



Stantec Consulting Services Inc.
5 Dartmouth Drive, Suite 200
Auburn NH 03032
Tel: (603) 669-8672
Fax: (603) 669-7636

September 19, 2025

File: 195601412

Ms. Marlen Salazar
Assistant Engineer
Division of Environmental Remediation – Region 2
New York State Department of Environmental Conservation
Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5401

**Reference: 2025 Annual Sub-Slab Depressurization System OM&M Report
Belle Harbor Shopping Center, 112-15 Beach Channel Drive, Far Rockaway, NY
NYSDEC BCP Site # C241048**

Dear Ms. Salazar:

Stantec Consulting Services Inc. (Stantec) is pleased to submit this report on the operation, maintenance, and monitoring (OM&M) inspection of the sub-slab depressurization system (SSDS) within the Sofia's Nail Salon (former Bell Boy Dry Cleaner) lease unit (i.e., the "subject lease unit" or "subject unit") located at 112-15 Beach Channel Drive in the Far Rockaway section of Queens, New York (the "Site", see Figure 1). This work was conducted in accordance with the March 11, 2014, New York State Department of Environmental Conservation/New York State Department of Health (NYSDEC/NYSDOH) approval of an OM&M plan for an SSDS at this Site and NYSDCE/NYSDOH Comment Letter dated February 14, 2025. During this OM&M inspection event, Stantec also collected indoor air (IA) and sub slab soil gas (SSSG) samples consistent with Stantec's draft Supplemental Remedial Investigation Workplan (SRIWP) dated November 9, 2023, and subsequently revised (based on NYSDCE and NYSDOH comments) in a version dated February 13, 2025.

BACKGROUND

Stantec submitted an Interim Remedial Measures-Construction Completion Report (IRM-CCR) on behalf of the now former Great Atlantic & Pacific Tea Company, Inc. (A&P) to the NYSDCE on July 2, 2013. The IRM-CCR described remedial activities conducted within the subject unit. These activities included excavating soils impacted with chlorinated volatile organic compounds (cVOCs) and installing an SSDS in this subject unit in December 2011. As shown on Figure 2 and 2A, the SSDS consists of slotted (20-slot) 4-inch diameter polyvinyl chloride (PVC) piping installed below the slab that is connected to solid 4-inch diameter PVC piping that extends along the outside wall to above the roof line. A radon fan (Fantech Model FR-200) is located on the exterior piping.



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Additional activities included installing permanent SSSG points, or probes, in the two tenant units located adjacent to Sofia's Nail Salon (Ciro's Pizza to the north and a vacant unit to the south), and in the Citibank unit located on the north side of Ciro's Pizza. SSSG and indoor air quality samples were also collected from these four tenant units in March 2012, approximately three months after the impacted soils were excavated and the initial start-up of the SSDS. The IRM-CCR also described repairs to the SSDS that were conducted from January to March 2013 due to damage caused by Hurricane Sandy.

NYSDEC and NYSDOH subsequently reviewed the IRM-CCR and responded with a comment letter dated July 25, 2013. This letter, along with subsequent conversations (via email and telephone) between Stantec and NYSDOH, indicated that four additional SSSG probes were to be installed within the subject unit itself and that quantitative pressure field readings be performed on all SSSG probes to document the SSDS range of influence. The results of this work, which was conducted on October 30, 2013, were submitted to NYSDOH in an Addendum to the IRM-CCR, dated January 23, 2014.

NYSDEC and NYSDOH subsequently reviewed the Addendum to the IRM-CCR and responded with a comment letter dated March 11, 2014. This letter indicated that NYSDOH and NYSDOH accepted the IRM-CCR and recommendations, which were to conduct annual OM&M on the SSDS during the period of November 1 to March 31. The OM&M would include inspecting the SSDS, field testing the SSSG probes in each store unit to evaluate vacuum conditions and collecting indoor air and sub-slab soil gas samples. Note that the vacant store unit mentioned above was renovated in January 2014 and is now doing business as the Liquor & Wine Warehouse.

The 2015 annual OM&M was conducted by Stantec in March 2015 and the results reported to NYSDOH on April 15, 2015. In July 2015, A&P filed for Chapter 11 bankruptcy protection. Subsequent phases of bankruptcy transactional proceedings associated with A&P, the bankruptcy court, and the property owner occurred that gave way to an auction purchase of the A&P operations by Ahold U.S.A (Ahold) of Quincy, Massachusetts. The grocery store re-opened as a Stop & Shop. Ahold and the NYSDOH subsequently entered the Site into the Brownfields Cleanup Program (BCP) on December 8, 2017. Ahold/Stop & Shop subsequently retained Stantec as the environmental professional for this Site.

Also in April 2015, GEI Consultants, Inc. (GEI) conducted a vapor intrusion (VI) investigation inside the grocery store in accordance with NYSDOH and NYSDOH requirements. GEI collected vapor intrusion samples from three sub-slab vapor points (identified as SV-101 to SV-103) and from three indoor air locations (identified as IA-101 to IA-103). The results showed that, due to elevated levels of tetrachloroethene (aka, perchloroethene or PCE) in the sub-slab point at the IA-103/SV-103 location, mitigation would likely be necessary. As mentioned above, since work had not been conducted since 2015, Stantec recommended that re-sampling at the IA-103/SV-103 location be



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conducted. Unfortunately, the sub-slab soil gas point (SSGP) that GEI installed (SV-103) was removed after the initial sampling in April 2015. Therefore, re-sampling at this location required installing a permanent SSGP, which was performed by Stantec in January 2018.

In August 2020, Stantec conducted additional VI work, in accordance with a NYSDEC approved IRM-VI Remedial Action Work Plan (RAWP). This work included installing additional sub-slab soil gas probes inside the grocery store (identified as SVP-201 and SVP-202), in the apron in front of the store (SVP-203 and SVP-204), and two replacement probes (SV-101 and SV-104) inside the nail salon unit (See Figure 2).

As mentioned, the IRM-CCR called for an annual OM&M inspection to be conducted during the period of November 1 to March 31 each year to evaluate the SSDS and to determine whether the system is operating as intended and installed. A description of the work performed, and the results of this work, which certify the work conducted from March 2024 to March 2025, are described below.

WORK PERFORMED

Prior to mobilizing to the Site, Stantec conducted a Site visit on February 4, 2025 to speak with the various tenants about the upcoming work and to inspect the current conditions. During this Site visit, Stantec observed that the radon fan was not working. Therefore, On February 13, 2025, Stantec and an SSDS contractor, Radon Mitigation Corporation of America (RMCA) inspected the fan and noted that the external electrical outlet had been opened, and the radon fan was unplugged. RMCA subsequently plugged in the fan, re-adjusted the electrical cord, and observed that the fan was operating normally.

One week after the fan was plugged back in, Stantec mobilized to the Site and worked with Stop & Shop to notify the owners and/or managers of the five tenant spaces about the upcoming work. These units include Citibank, Ciro's Pizza, Sofia's Nail Salon, Liquor Warehouse, and Stop & Shop. On February 19, 2025, Stantec returned to the Site and inspected the floor within the subject unit, as well as the SSDS discharge piping, fan, and manometer. A NYSDOH Indoor Air Quality Questionnaire and Building Inventory Center for Environmental Health form for the nail salon was completed. A copy of this questionnaire, along with a few photographs, is presented in Attachment 1.

During the February 19, 2025, Site visit, Stantec collected indoor air (IA) samples from inside each of the five tenant spaces. The IA samples were located at previously sampled locations and collected over 8 hours using appropriate pre-evacuated 6-liter Summa canisters. The sample locations are shown on the attached Figure 2 and are identified as follows:



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<u>Unit</u>	<u>Sample ID</u>
Citibank	IA-7
Ciro's Pizza	IA-11
Sofia's Nail Salon	IAQ-1
Liquor Warehouse	IA-9
Stop & Shop	IA-201, IA-202, IA-203

One outside ambient air sample was also collected over 8 hours at the western end of the parking lot.

Over the course of the sampling activities, periodic readings of the following parameters were recorded on Air Sample Logs:

- Cannister Pressure,
- Temperature,
- Relative Humidity,
- Photoionization Detector (PID) readings, and
- Barometric Pressure.

Copies of the Air Sample Logs are presented in Attachment 2.

While inspecting the summa canister for IAQ-1 in the Sofia's Nail Salon unit, Stantec observed an audible leak when the pressure reader was turned on and that the pressure began to drop rapidly, from approximately -10 inHg to -7.87 inHg. Stantec therefore decided to terminate this sample after 6 hours.

On February 19, 2025, Stantec also recorded differential pressure readings (in-H₂O) with an Infiltec DM-1 digital micro-manometer at the probe in the Citibank (SVP-6), in Ciro's Pizza (SVP-11), at the four probes in Sofia's Nail Salon (SV-101, SV-102, SV-103, and SV-104), at the two probes in the Liquor Warehouse (SVP-9 and SVP-10), at the three probes inside the Stop & Shop (SVP-103, SVP-201, and SVP-202), and at one of the two probes in the apron outside the Stop & Shop (SVP-204). Stantec was unable to collect a differential pressure reading at the other probe located in the apron outside the Stop & Shop (SVP-203), as the cover and probe were frozen closed.

On February 19, 2025, Stantec also collected SSSG samples from select probes in Ciro's Pizza (SVP-11), the Liquor Warehouse (SVP-9 and SVP-10), inside the Stop & Shop (SVP-103), and in the apron outside the Stop & Shop (SVP-204). Note that since SVP-203 was frozen and unable to be sampled, Stantec collected an SSSG sample from SVP-10. Each SSSG probe was leak-tested using a helium



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shroud technique prior to sampling. The SSSG samples were then collected over a ten-minute duration into pre-evacuated 2.7-liter Summa canisters. Before and after each SSSG sample was collected, differential pressure readings were recorded at each point using the micro-manometer to measure/evaluate cross-slab pressures. Over the course of the ten-minute sampling period, periodic canister vacuum readings were recorded on Sub-Slab Soil Vapor Sample Collection Logs. In addition, an air sample was collected from the SSDS exhaust pipe on the roof. This sample was collected over a ten-minute interval and is identified as "Stack." Copies of these sample collection logs are presented in Attachment 1.

A review of the field readings, including IAQ-1, revealed that the Site conditions and sample collection procedures were acceptable and did not alter the usability of the results.

The IA and SSSG samples were collected, secured, and sent to Alpha Analytical (now Pace Analytical) laboratories in Mansfield, Massachusetts and analyzed for VOCs via Low Level TO-15 analysis in New York State (NYS) Category B data deliverable format. A qualified third-party, independent reviewer from the laboratory performing the analysis then conducted data validation and prepared a Data Usability Summary Report (DUSR) for the results. The laboratory report and DUSR for the February 2025 event are included in Attachments 3 and 4, respectively.

RESULTS

Stantec's observation of the floor within Sofia's Nail Salon indicated that, although there were several floor tiles that were cracked, there were no holes, cracks, or other penetrations identified in the slab. The manometer was showing a negative pressure (vacuum), and the fan was operating. There were no holes or obstructions observed in the discharge piping. Observations at the rooftop indicated that there were no apparent intakes (existing or new) near the discharge stack.

The differential pressure readings measured on February 19, 2025, are presented on the attached Table 1 and on Figure 2A. As shown, the reading at SVP-6 in the Citibank unit was -1.194 in-H₂O. The reading at SVP-11 in the adjacent Ciro's Pizza unit was -0.130 in-H₂O. The readings at the four points within the Sofia's Nail Salon unit were -0.049 in-H₂O at SV-101, -0.348 in-H₂O at SV-102, -0.084 in-H₂O at SV-103, and -0.008 in-H₂O at SV-104. The readings in the Liquor Warehouse were -0.004 in-H₂O at SVP-9 and -0.002 in-H₂O at SVP-10. These readings are similar to previous measurements at the Site (see Table 1).

The readings at the points within the Stop & Shop were -0.017 in-H₂O at SVP-103, -0.012 in-H₂O at SVP-201, and -0.009 in-H₂O at SVP-202. The reading at the point in the apron outside the Stop & Shop was -0.006 in-H₂O at SVP-204. These readings are similar to previous measurements at the Site (see Table 1). Again, readings were not measured at SVP-203 due to the cover for this point being frozen closed.



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Results of the air samples from February 19, 2025, are presented in Table 2. As shown, concentrations of VOCs were detected in each of the IA, SSSG, Stack, and ambient air samples. The highest IA concentration reported was for acetone in the sample from within Sofia's Nail Salon (49,200 J micrograms per cubic meter [$\mu\text{g}/\text{m}^3$] in IAQ-1, where "J" indicates an estimated concentration). An elevated level of toluene ($50.1 \mu\text{g}/\text{m}^3$) was also reported in IAQ-1. These relatively high concentrations are likely due to the products (nail polish, polish remover, hair spray, etc.) being used in this business, many of which have acetone and toluene as components.

In terms of the contaminants of concern, levels of trichloroethene (TCE) were reported in sub-slab samples from the Stop & Shop ($1,170 \mu\text{g}/\text{m}^3$ in SVP-103), in one of the two SSSG samples from the Liquor Warehouse ($2.20 \mu\text{g}/\text{m}^3$ in SVP-10), and in the SSSG sample from Ciro's Pizza ($1.45 \mu\text{g}/\text{m}^3$ in SV-11). TCE was not reported above laboratory reporting limits (RLs) in the SSSG sample from the Stop & Shop apron (SVP-204), and in the second SSSG sample from the Liquor Warehouse (SVP-9).

Sub-slab concentrations of PCE were reported in the samples from the Liquor Warehouse ($70.5 \mu\text{g}/\text{m}^3$ in SVP-9 and $121 \mu\text{g}/\text{m}^3$ in SVP-10), Ciro's Pizza ($172 \mu\text{g}/\text{m}^3$ in SV-11), the Stop & Shop ($395,000 \mu\text{g}/\text{m}^3$ in SVP-103), and from the apron in front of the Stop & Shop ($70.5 \mu\text{g}/\text{m}^3$ in SVP-204).

Results of the IA samples (Table 2) also show levels of VOCs in each IA sample. TCE was not detected in any of the IA samples collected from Citibank, Ciro's Pizza, Sophia's Nail Salon, Liquor Warehouse, and Stop & Shop. TCE was not detected from the sample collected from the Stack but was reported in the ambient air sample at $1.20 \mu\text{g}/\text{m}^3$.

PCE was reported at low levels in the IA samples from Citibank ($0.217 \mu\text{g}/\text{m}^3$ in IA-7), Ciro's Pizza ($0.325 \mu\text{g}/\text{m}^3$ in IA-11), Sofia's Nail Salon ($0.353 \mu\text{g}/\text{m}^3$ in IAQ-1), Liquor Warehouse ($0.231 \mu\text{g}/\text{m}^3$ in IA-9), and in the Stop & Shop ($3.38 \mu\text{g}/\text{m}^3$ in IA-201, $2.08 \mu\text{g}/\text{m}^3$ in IA-202, and $2.88 \mu\text{g}/\text{m}^3$ in IA-203). PCE was reported in the sample collected from the Stack ($45.9 \mu\text{g}/\text{m}^3$). PCE was also reported in the ambient air sample at $13.4 \mu\text{g}/\text{m}^3$, which may be an influence on the VOC levels in the IA samples from inside the various lease units.

A Spider Map showing the results from 2020 to 2025 is presented as Figure 3. Please note that only those VOCs that have an associated NYSDOH Vapor Intrusion Matrix value and had detected concentrations are shown. For instance, although 1,1,1-trichloroethane is included in Matrix B it has always been reported as "non-detect" and so it is not shown on Figure 3. The overall data for the indoor air quality testing identified that, although the potential for vapor intrusion is present, there are no apparent significant indoor air quality impacts at the grocery store, the liquor store, the pizza restaurant, nail salon, or the bank related to cVOCs. Other VOCs exist in air and soil vapor but are not likely from the dry cleaner release (for instance acetone and toluene in the nail salon). The indoor air quality within the former Bell Boy Cleaners space (currently occupied by Sofia Nails) is addressed by the operation and performance of the SSDS. Evaluating the results in terms of the



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Decision Matrices indicates that, due to levels of PCE and TCE in sub-slab vapor in the grocery store (SVP-103) and the apron (SVP-204), continued mitigation at this Site is necessary.

CONCLUSIONS AND RECOMMENDATIONS

The observations and differential pressure readings indicate that the SSDS is creating a vacuum beneath the slab at the Sofia's Nail Salon unit, which extends to the Ciro's Pizza unit and Citibank unit to the north and to the Liquor & Wine Warehouse to the south. The data also indicate the influence extends to the front portion of the Stop & Shop. Based on these data, the range of influence of the operating SSDS is estimated at approximately 50 to 75 feet.

Upon review of these results, Stantec concludes that the SSDS is operating as intended and installed.

It is recommended that annual OM&M, including indoor air and sub-slab soil gas sampling, continue during the winter heating season (November 1 to March 31).

We trust that this information meets your needs.

Sincerely

STANTEC CONSULTING SERVICES INC.

Donald F. Moore, P.G.
Associate
Tel: (603) 669-8672
Cell: (603) 498-3244
Donald.moore2@stantec.com

Alexander J. DeNadai, P.E., PMP, LEED AP
Senior Associate
Tel: (610) 840-2550
Cell: (610) 506-9026
alexander.denadai@stantec.com

Tables 1 and 2
Figures 1 - 3
Attachments 1 - 4

cc: R. Ruth, Esq. Sherin Lodgen
J. Connely, Esq. Sherin Lodgen
Z. Drench, Esq. Sherin Lodgen
J. Morgan, Ahold USA, Inc.
J. Salvetti, CEC, Inc.





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CERTIFICATION

I, Alexander J. DeNadai, certify that I am a qualified professional engineer in the State of New York as defined in 6 NYCRR Part 375, and that this 2025 Annual Operation, Maintenance, and Monitoring of Sub-Slab Depressurization System Report was prepared in accordance with the applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



Signature

9/19/2025

Date

TABLES

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2013 - 2025
Belle Harbor Shopping Center
Belle Harbor, New York

Store Location	Measuring Point Location	Date Installed	Date Measured	Measured Differential Pressure	
				(in-H ₂ O)	(in-Hg)
Citibank	SVP-6	Mar 2012	10/31/2013	-0.005	-0.0004
			3/18/2014	-0.002	-0.0002
			3/31/2015	-0.008	-0.0006
			1/31/2018	-0.303	-0.0223
			8/4/2020	NM	NM
			3/31/2022	-0.209	-0.0154
			3/30/2023	-0.634	-0.0466
			3/13/2024	-0.120	-0.0088
			2/19/2025	-1.194	-0.0878
Ciros Pizza	SVP-11	Mar 2012	10/31/2013	-2.871	-0.2110
			3/18/2014	-0.254	-0.0187
			3/31/2015	-0.222	-0.0163
			1/31/2018	-0.214	-0.0157
			8/4/2020	NM	NM
			3/31/2022	-0.194	-0.0143
			3/30/2023	-0.148	-0.0109
			3/13/2024	-0.009	-0.0007
			2/19/2025	-0.130	-0.0096
Former Bell Boy Cleaner/ Sofias Nail Salon	SV-101	Oct 2013	10/31/2013	-0.041	-0.0030
		Aug 2020	3/18/2014	-0.041	-0.0030
			3/31/2015	-0.041	-0.0030
			1/31/2018	NM	NM
			8/4/2020	-0.800	-0.0588
			3/31/2022	-0.076	-0.0056
			3/30/2023	-0.048	-0.0035
			3/13/2024	-0.076	-0.0056
			2/19/2025	-0.049	-0.0036
Former Bell Boy Cleaner/ Sofias Nail Salon	SV-102	Oct 2013	10/31/2013	-6.546	-0.4810
			3/18/2014	-0.558	-0.0410
			3/31/2015	-0.558	-0.0410
			1/31/2018	-0.472	-0.0347
			8/4/2020	NM	NM
			3/31/2022	NM	NM
			3/30/2023	NM	NM
			3/13/2024	-0.087	-0.0064
			2/19/2025	-0.348	-0.0256

TABLE 1
Summary of Differential Pressure Readings: Sub-Slab Soil Gas Probes: 2013 - 2025
Belle Harbor Shopping Center
Belle Harbor, New York

Store Location	Measuring Point Location	Date Installed	Date Measured	Measured Differential Pressure	
				(in-H ₂ O)	(in-Hg)
Former Bell Boy Cleaner/ Sofias Nail Salon	SV-103	Oct 2013	10/31/2013	-0.166	-0.0122
			3/18/2014	-1.007	-0.0740
			3/31/2015	-0.109	-0.0080
			1/31/2018	-0.118	-0.0087
			8/4/2020	-0.114	-0.0084
			3/31/2022	-0.090	-0.0066
			3/30/2023	-0.085	-0.0062
			3/13/2024	-0.002	-0.0001
			2/19/2025	-0.084	-0.0062
Former Bell Boy Cleaner/ Sofias Nail Salon	SV-104	Oct 2013 Aug 2020	10/31/2013	-1.021	-0.0750
			3/18/2014	-0.084	-0.0062
			3/31/2015	-0.052	-0.0038
			1/31/2018	NM	NM
			8/4/2020	-0.020	-0.0015
			3/31/2022	-0.019	-0.0014
			3/30/2023	-0.010	-0.0007
			3/13/2024	-0.003	-0.0002
			2/19/2025	-0.008	-0.0006
Vacant Unit/ Liquor Warehouse	SVP-9	Mar 2012	10/31/2013	NM	NM
			3/18/2014	-0.010	-0.0007
			3/31/2015	-0.022	-0.0016
			1/31/2018	-0.016	-0.0012
			8/4/2020	-0.021	-0.0015
			3/31/2022	-0.011	-0.0008
			3/30/2023	-0.007	-0.0005
			3/13/2024	-0.014	-0.0010
			2/19/2025	-0.004	-0.0003
Vacant Unit/ Liquor Warehouse	SVP-10	Mar 2012	10/31/2013	NM	NM
			3/18/2014	-0.008	-0.0006
			3/31/2015	-0.014	-0.0010
			1/31/2018	-0.011	-0.0008
			8/4/2020	-0.041	-0.0030
			3/31/2022	-0.013	-0.0010
			3/30/2023	-0.080	-0.0059
			3/13/2024	-0.100	-0.0073
			2/19/2025	-0.002	-0.0001

TABLE 1
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Belle Harbor Shopping Center
Belle Harbor, New York

Store Location	Measuring Point Location	Date Installed	Date Measured	Measured Differential Pressure	
				(in-H ₂ O)	(in-Hg)
Stop & Shop Grocery Store	SVP-103	Jan 2018	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	-0.007	-0.0005
			8/4/2020	-0.007	-0.0005
			3/31/2022	-0.012	-0.0009
			3/30/2023	-0.005	-0.0004
			3/13/2024	-0.002	-0.0001
			2/19/2025	-0.017	-0.0013
Stop & Shop Grocery Store	SVP-201	Aug 2020	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	-0.013	-0.0010
			3/31/2022	-0.014	-0.0010
			3/30/2023	-0.008	-0.0006
			3/13/2024	-0.011	-0.0008
			2/19/2025	-0.012	-0.0009
Stop & Shop Grocery Store	SVP-202	Aug 2020	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	-0.012	-0.0009
			3/31/2022	-0.014	-0.0010
			3/30/2023	-0.005	-0.0004
			3/13/2024	-0.007	-0.0005
			2/19/2025	-0.009	-0.0007
Stop & Shop Grocery Apron	SVP-203	Aug 2020	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	-0.045	-0.0033
			3/31/2022	-0.042	-0.0031
			3/30/2023	-0.030	-0.0022
			3/13/2024	-0.002	-0.0001
			2/19/2025	NM - Probe frozen	

TABLE 1
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Belle Harbor Shopping Center
Belle Harbor, New York

Store Location	Measuring Point Location	Date Installed	Date Measured	Measured Differential Pressure	
				(in-H ₂ O)	(in-Hg)
Stop & Shop Grocery Apron	SVP-204	Aug 2020	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	-0.006	-0.0004
			3/31/2022	-0.006	-0.0004
			3/30/2023	-0.002	-0.0001
			3/13/2024	-0.001	-0.0001
			2/19/2025	-0.006	-0.0004

SSSG = Sub-slab soil gas probe

in-H₂O = inches of water

in-Hg = inches of mercury

NM = Not Measured, store and/or location not accessible.

NI = Not Installed.

SVP-103 was installed as a temp point in Apr 2015 by GEI, and then as a perm point in Jan 2018 by Stantec

SV-101 and SV-104 were initially installed in Oct 2013 and replaced in Aug 2020 due to damage from new flooring installed in the Nail Salon.

TABLE 2
Summary of Sub-Slab Vapor and Indoor Air Analytical Results: February 2025
Belle Harbor Shopping Center
Belle Harbor, New York

Sample Location	NYSDOH Standards ¹		Citibank	Ciros Pizza	Ciros Pizza	Sofias Nail Salon	Liquor Warehouse	Liquor Warehouse	Liquor Warehouse	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stack	Ambient
	Subsurface Vapors	Indoor Air	Indoor Air	Sub-slab Vapor	Indoor Air	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Sub-Slab Vapor	Sub-Slab Vapor	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Outdoor Air
Sample ID			IA-7	SV-11	IA-11	IAQ-1 *	SVP-9	SVP-10	IA-9	SVP-103 **	SVP-203	SVP-204	IA-201	IA-202	IA-203	Stack	AMB-1
Collection Date			02/19/25	02/19/25	02/19/25	02/19/25	02/19/25	02/19/25		02/19/25	02/19/25	02/19/25	02/19/25	02/19/25	02/19/25	02/19/25	02/19/25
Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Analyte																	
1,1,1-Trichloroethane	NS	NS	< 0.109	< 1.09	< 0.109	< 0.109	< 1.09	< 1.09	< 0.109	< 1180		< 0.109	< 0.109	< 0.109	< 0.109	< 2.73	< 0.109
1,1,2,2-Tetrachloroethane	NS	NS	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1490		< 1.37	< 1.37	< 1.37	< 1.37	< 3.43	< 1.37
1,1,2Trichloro-1,2,2-trifluoroethane	NS	NS	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1.53	< 1660		< 1.53	< 1.53	< 1.53	< 1.53	< 3.83	< 1.53
1,1-Dichloroethane	NS	NS	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 878	Not Sampled Point Frozen	< 0.809	< 0.809	< 0.809	< 0.809	< 2.02	< 0.809
1,1-Dichloroethene	NS	NS	< 0.079	< 0.793	0.163	< 0.079	< 0.793	< 0.793	< 0.079	< 860		< 0.079	< 0.079	< 0.079	< 0.079	< 1.98	< 0.079
1,2,4-Trimethylbenzene	NS	NS	< 0.983	5.01	< 0.983	< 0.983	5.46 J	8.26	< 0.983	< 1070		2.28	< 0.983	< 0.983	< 0.983	90.9	< 0.983
1,2-Dichloroethane	NS	NS	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 878		< 0.809	< 0.809	< 0.809	< 0.809	< 2.02	< 0.809
1,3,5-Trimethylbenzene	NS	NS	< 0.983	1.04	< 0.983	< 0.983	< 0.983	1.27	< 0.983	< 1070		< 0.983	< 0.983	< 0.983	< 0.983	27.6	< 0.983
1,3-Butadiene	NS	NS	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 480		< 0.442	< 0.442	< 0.442	< 0.442	< 1.11	< 0.442
1,4-Dichlorobenzene	NS	NS	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1.20	< 1300		< 1.20	< 1.20	< 1.20	< 1.20	< 3.01	< 1.20
1,4-Dioxane	NS	NS	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 782		< 0.721	< 0.721	< 0.721	< 0.721	< 1.80	< 0.721
2,2,4-Trimethylpentane	NS	NS	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 1010		< 0.934	< 0.934	< 0.934	< 0.934	4.47	< 0.934
2-Butanone (MEK)	NS	NS	< 1.47	3.27	< 1.47	1.89 J	1.70	1.74	< 1.47	< 1600		< 1.47	< 1.47	< 1.47	< 1.47	< 3.69	< 1.47
2-Hexanone (MBK)	NS	NS	< 0.820		< 0.820	< 0.820	< 0.820	< 0.820	< 0.820	< 889		< 0.820	< 0.820	< 0.820	< 0.820	< 2.05	< 0.820
2-Propanol (Isopropanol)	NS	NS	7.96 J	25.6	327	3,320 J	7.05	7.94	11.1	< 2680		4.52	50.6	57.8	241	565	< 2.46
4-Ethyltoluene	NS	NS	< 0.983	1.26	< 0.983	< 0.983	1.22	2.31	< 0.983	< 1070		< 0.983	< 0.983	< 0.983	< 0.983	19.1	< 0.983
4-Methyl-2-pentanone (MIBK)	NS	NS	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2230		< 2.05	< 2.05	< 2.05	< 2.05	< 5.12	< 2.05
Acetone	NS	NS	20.3 J	1720 J	6,150 J	49,200 J	7.39 J	96.0	58.4	< 2590		10.4	41.8	29.2	53.0	6,530 J	11.8
Benzene	NS	NS	0.677	2.38	1.27	0.770	1.50	2.35	< 0.639	< 693		0.664	0.684	0.728	0.725	8.50	1.08
Bromodichloromethane	NS	NS	< 1.34		< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1450		< 1.34	< 1.34	< 1.34	< 1.34	< 3.35	< 1.34
Carbon Disulfide	NS	NS	< 0.623	3.67	< 0.623	< 0.623	< 0.623	4.42	< 0.623	< 676		< 0.623	< 0.623	< 0.623	< 0.623	< 1.56	< 0.623
Carbon Tetrachloride	NS	NS	0.717	< 1.26	0.736	0.547	< 1.26	< 1.26	0.698	< 1370		< 1.26	0.667	0.717	0.667	< 3.15	0.692
Chloroethane	NS	NS	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	0.554	< 0.528	< 573		< 0.528	< 0.528	< 0.528	< 0.528	< 1.32	< 0.528
Chloroform	NS	NS	< 0.977	7.62	1.29	1.87	2.00	8.16	< 0.977	< 1060		10.8	< 0.977	< 0.977	< 0.977	14.8	< 0.977
Chloromethane	NS	NS	1.60	1.15	1.60	1.55	< 0.413		1.47	< 448		< 0.413	1.55	1.60	1.61	< 1.03	1.36
cis-1,2-Dichloroethene	NS	NS	< 0.079	< 0.793	< 0.079	< 0.079	< 0.793	< 0.793	< 0.079	< 860		< 0.079	< 0.079	< 0.079	< 0.079	< 1.98	< 0.079
Cyclohexane	NS	NS	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 0.688	< 747		< 0.688	< 0.688	< 0.688	< 0.688	2.70	< 0.688
Dichlorodifluoromethane (Freon 12)	NS	NS	4.34	32.6	3.92	3.12	7.37	9.99	3.25	< 1070		3.16	3.65	3.54	3.52	30.1	3.170
Ethanol (Ethyl Alcohol)	NS	NS	75.0 J	56.9	418	935	<9.42	15.7	194	< 10300		10.4	335	428	503	313	< 9.42
Ethyl Acetate	NS	NS	< 1.80	24.3	205	2,120 J	< 1.80	4.61	2.66	< 1960		< 1.80	4.18	4.40	6.05	151	< 1.80
Ethyl Benzene	NS	NS	< 0.869	2.70	< 0.869	< 0.869	1.97	3.15	< 0.869	< 943		0.890	< 0.869	< 0.869	< 0.869	22.8	< 0.869
Heptane	NS	NS	< 0.820	3.68	< 0.820	1.16 J	< 0.820	< 0.820	< 0.820	< 889		< 0.820	< 0.820	< 0.820	< 0.820	< 2.05	< 0.820
Hexane	NS	NS	< 0.705	3.56	< 0.705	< 0.705	2.77 J	1.62	< 0.705	< 765		0.846	< 0.705	< 0.705	< 0.705	10.4	0.765
Methylene Chloride	NS	60	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1890		< 1.74	< 1.74	< 1.74	< 1.74	< 4.34	< 1.74
m,p-Xylene	NS	NS	< 1.74	10.4	< 1.74	< 1.74	9.69	15.6	< 1.74	< 1890		3.78	< 1.74	< 1.74	< 1.74	90.3	< 1.74
o-Xylene	NS	NS	< 0.869	2.91	< 0.869	1.05	2.32	3.86	< 0.869	< 943		1.05	< 0.869	< 0.869	< 0.869	50.8	< 0.869
Naphthalene	NS	NS	< 0.996	< 0.996	< 0.996	< 0.996	< 0.996	< 0.996	< 0.996	< 1080		< 0.996	< 0.996	< 0.996	< 0.996	< 2.49	< 0.996
Styrene	NS	NS	< 0.852	5.28	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 924		< 0.852	< 0.852	< 0.852	< 0.852	< 2.13	< 0.852
Tert-butyl Alcohol	NS	NS	< 1.52	< 1.52	< 1.52	3.27 J	< 1.52	< 1.52	< 1.52	< 1650		< 1.52	< 1.52	< 1.52	< 1.52	< 3.79	< 1.52
Tetrachloroethene (PCE)	NS	30	0.217	172	0.325	0.353	70.5	121	0.231	395,000		70.5	3.38	2.08	2.88	45.9	13.4
Tetrahydrofuran	NS	NS	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1600		< 1.47	< 1.47	< 1.47	< 1.47	< 3.69	< 1.47
Toluene	NS	NS	< 0.754	12.9	3.92	50.1	7.12	11.3	< 0.754	< 818		2.96	0.980	0.882	0.882	45.6	< 0.754
trans-1,2-Dichloroethene	NS	NS	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 860		< 0.793	< 0.793	< 0.793	< 0.793	< 1.98	< 0.793
Trichloroethene (TCE)	NS	2	< 0.107	1.45	< 0.107	< 0.107	< 1.07	2.20	< 0.107	1,170		< 1.07	< 0.107	< 0.107	< 0.107	< 2.69	1.20
Trichlorofluoromethane (Freon 11)	NS	NS	1.37	1.70	1.39	1.50	1.21	1.31	1.33	< 1220		1.26	1.70	1.52	1.42	< 2.81	1.24
Vinyl Chloride	NS	NS	< 0.051	< 0.051	< 0.051	< 0.051	<0.511	<0.511	< 0.051	< 555		< 0.511	< 0.051	< 0.051	< 0.051	< 1.28	< 0.051
Total VOCs			112.2	2101.4	7114.6	55,642	129.3	323.3	273.1	396,170		124	444.2	530.5	814.8	8023.0	34.7

Notes:
¹ Standards from Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, NYSDOH October 2006 and Updates
NS = No Standard
ug/m3 = micrograms per cubic meter (aka part per billion)
Only those analytes detected in one or more samples are presented above
Bold = Concentration exceeds Standards

Laboratory Qualifiers
< = Concentration less than noted reporting limits

Validator Qualifiers
J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

* Sample IAQ-1 diluted by factor of 91 ** Sample SVP-103 diluted by factor of 1087

FIGURES



MAP SOURCE:

DeLORME 3D TOPOQUADS

USGS FAR ROCKAWAY [NY] QUAD

1992

40.34.923°N, 73.34.923°W (NAD83/WGS84)



NEW YORK

2000 0 2000



Scale in feet

Stantec Consulting Services Inc.



STANTEC OFFICE LOCATION
AUBURN, NEW HAMPSHIRE

DATE PREPARED: 8-02-12	DESIGNED BY: JJW	DRAWN BY: JJW	CHECKED BY: DFM	REVIEWED BY: DFM
REVISION DATE:	REVISION NO:	DRAWN BY:	CHECKED BY:	REVIEWED BY:

PROJECT NAME/FILE NAME:
A&P ALOCUS

PROJECT NUMBER/PHASE:
191710624

SCALE:
1:24000

DRAWING TITLE:

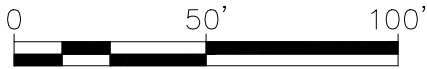
SITE LOCATION

BELLE HARBOR SHOPPING CENTER
112-15 BEACH CHANNEL DRIVE
BELLE HARBOR, NY

PREPARED FOR:
A&P

FIGURE NO.

1

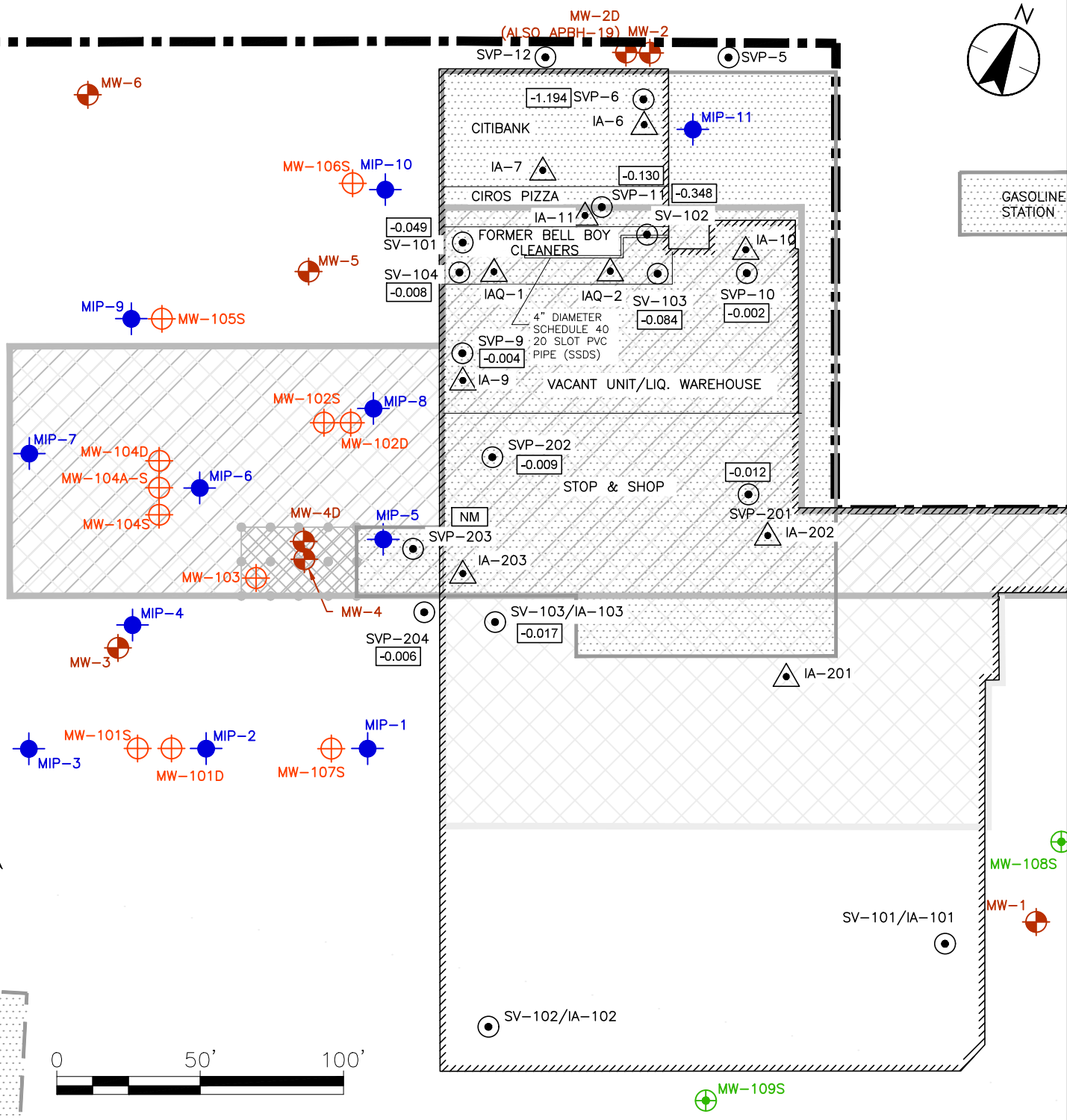


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GASOLINE
STATION



LEGEND

	MONITORING WELL (INSTALLED BY WHITESTONE)		MIP GEOPROBE		PRE CIRCA 1954		BCP BOUNDARY
	MONITORING WELL (INSTALLED BY STANTEC)		SOIL VAPOR PROBE LOCATION		PRE CIRCA 1966		MEASURED PRESSURE IN -H2O
	MONITORING WELL (INSTALLED BY GEI)		INDOOR AIR SAMPLE LOCATION		PRE CIRCA 1980		NOT MEASURED



Stantec Consulting Services Inc.
5 Dartmouth Drive Suite 200
Auburn NH 03032-3984
Tel: (603) 669-8672
www.stantec.com

Client/Project
BELLE HARBOR SHOPPING CENTER
112-15 BEACH CHANNEL DRIVE, QUEENS (FAR ROCKAWAY), NEW YORK

Project No.
195601412

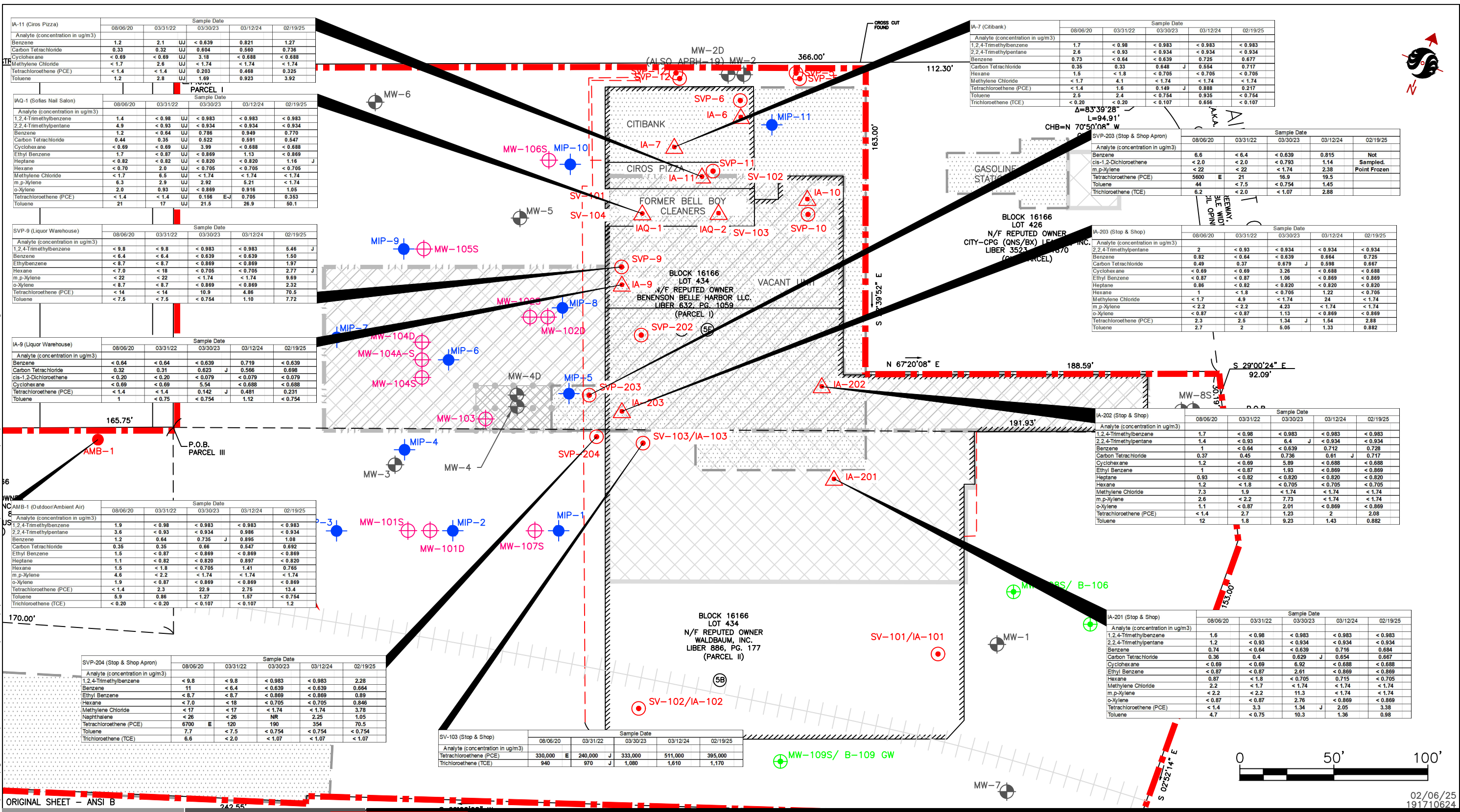
Title
MEASURED DIFFERENTIAL PRESSURES - FEBRUARY 2025

Revision	Date
	2025.09.04
Reference Sheet	Figure No.
	2A

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ATTACHMENT 1

NYSDOH Indoor Air Quality Questionnaire and Building Inventory Center for Environmental Health Form And Photographs

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Jennifer Nair Date/Time Prepared 2/19/25 / 1700

Preparer's Affiliation Stantec Phone No. _____

Purpose of Investigation _____

1. OCCUPANT: Sophia Wang Nails & Spa

Interviewed: Y / ☒ N

Last Name: Wei First Name: Ding

Address: 113-13 Beach Channel Drive

County: _____

Home Phone: _____ Office Phone: (718) 318-8663

Number of Occupants/persons at this location _____ Age of Occupants _____ occupancy/limits unknown

2. OWNER OR LANDLORD: (Check if same as occupant ☐)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Nail Salon + Spa

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1

Building age 40 +/-

Is the building insulated? (Y) / N

How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

none

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other none
- c. Basement floor: concrete dirt stone other N/A
- d. Basement floor: uncovered covered covered with N/A
- e. Concrete floor: unsealed sealed sealed with Tiled/grooved
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with unknown
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished N/A
- j. Sump present? Y N
- k. Water in sump? Y / N / not applicable

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

flooring is 2x2ft tile, several tiles are cracked

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

<u>Hot air circulation</u>	Heat pump	Hot water baseboard
Space Heaters	Stream radiation	Radiant floor
Electric baseboard	Wood stove	Outdoor wood boiler Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene	<u>unknown</u>
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: Natural gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present?

(Y) N

above tile dropped ceiling

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Duct openings/vents visible in ceiling, ceiling is suspended no way to determine where ducts lead

7. OCCUPANCY

Is basement/lowest level occupied?

Full-time

Occasionally

Seldom

Almost Never

N/A

Level

General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement

None

1st Floor

Nail salon / spa

2nd Floor

None

3rd Floor

||

4th Floor

||

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / (N)

b. Does the garage have a separate heating unit?

Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N / (NA)

Please specify _____

d. Has the building ever had a fire?

Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present?

Y / (N) Where? _____

f. Is there a workshop or hobby/craft area?

Y (N) Where & Type? Nail salon / spa

g. Is there smoking in the building?

Y (N) How frequently? _____

h. Have cleaning products been used recently? *active*

(Y) N When & Type? Laundry detergent

i. Have cosmetic products been used recently? *salon*

(Y) N When & Type? Nail polish / remover

j. Has painting/staining been done in the last 6 months? Y / N Where & When? unknown

k. Is there new carpet, drapes or other textiles? Y / N Where & When? unknown

l. Have air fresheners been used recently?

No real soft furnishings → front window has blinds

Y / N When & Type? _____

m. Is there a kitchen exhaust fan?

☒ Y / ☐ N If yes, where vented? _____

n. Is there a bathroom exhaust fan?

☒ Y / ☐ N If yes, where vented? _____

o. Is there a clothes dryer?

☒ Y / ☐ N If yes, is it vented outside? Y / N *just washer*

p. Has there been a pesticide application?

Y / N When & Type? unknown

Are there odors in the building?

If yes, please describe: Nail polish, spa soaps

Do any of the building occupants use solvents at work? Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used?

Nail polish remover → acetone

If yes, are their clothes washed at work?

Y / N unknown

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

☒ No

☐ Unknown

Is there a radon mitigation system for the building/structure? ☒ Y / ☐ N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:

☒ Public Water

☐ Drilled Well

☐ Driven Well

☐ Dug Well

Other: _____

Sewage Disposal:

☒ Public Sewer

☐ Septic Tank

☐ Leach Field

☐ Dry Well

Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

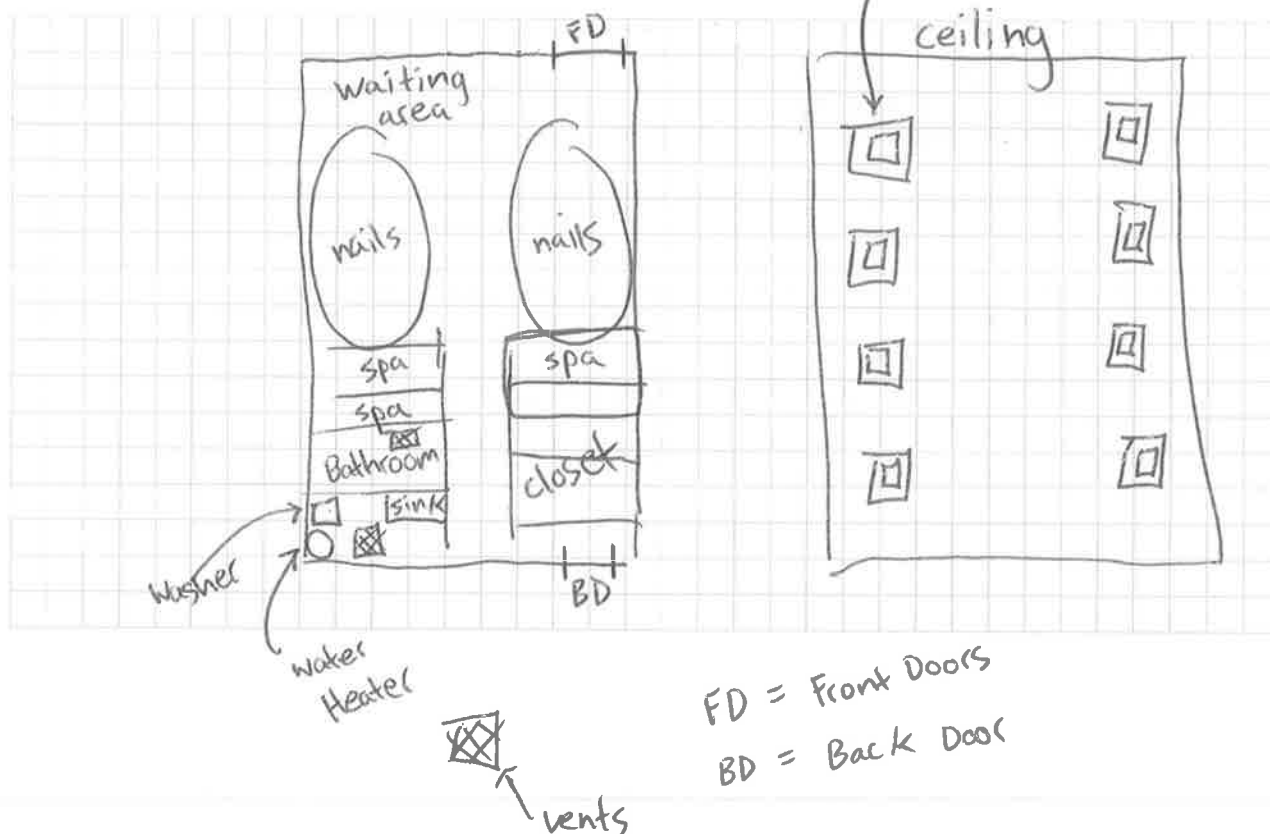
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

no basement

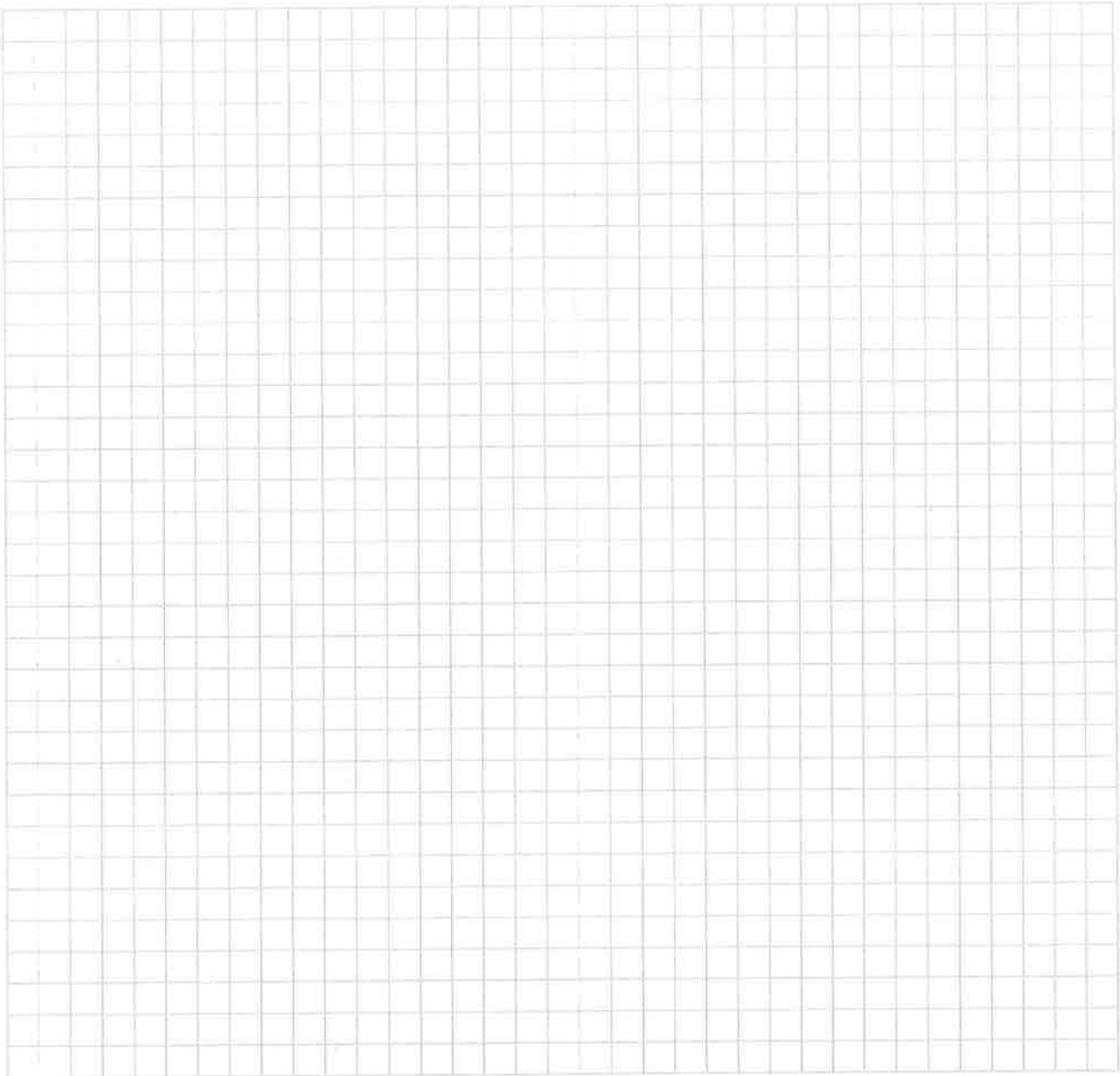
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

[illegible]

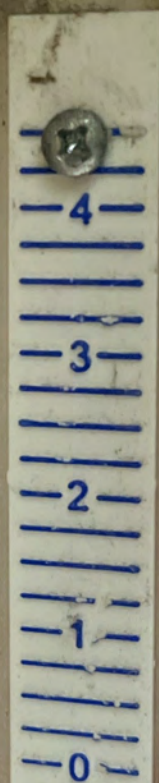
* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

**** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.**

Feb 13, 2025 at 1:29:16 PM



Feb 19, 2025 at 10:16:40 AM



System Monitor

Feb 19, 2025 at 4:58:05 PM



Feb 19, 2025 at 5:00:35 PM



ATTACHMENT 2

Vapor Intrusion Sample Logs: February 2025 Sampling Event



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID #	IA-7	Building:	Citibank	Date:	2/19/25			
Barometric Pressure	Start: -30.78	End: -10.30	Wind Speed/Direction:	16mph WNW				
Canister #	~~0161~~ 2717	Flow Controller #	0161	Start:	0940	End:	1555	
Field Instrument	PID:	MiniRAE 3000 (PGM 7320)	IAQ Meter:	N/A				
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
1039	-27.34	-	-	24	51	0.0	30.33	
1158	-22.99	-	-	26	49	0.0	30.32	
1258	-19.76	-	-	28	48	0.0	30.29	
1351	-16.90	-	-	29	48	0.0	30.25	
1455	-13.52	-	-	30	48	0	30.22	
1555	-10.30	-	-	30	48	0	30.22	Bank was at 4pm closing

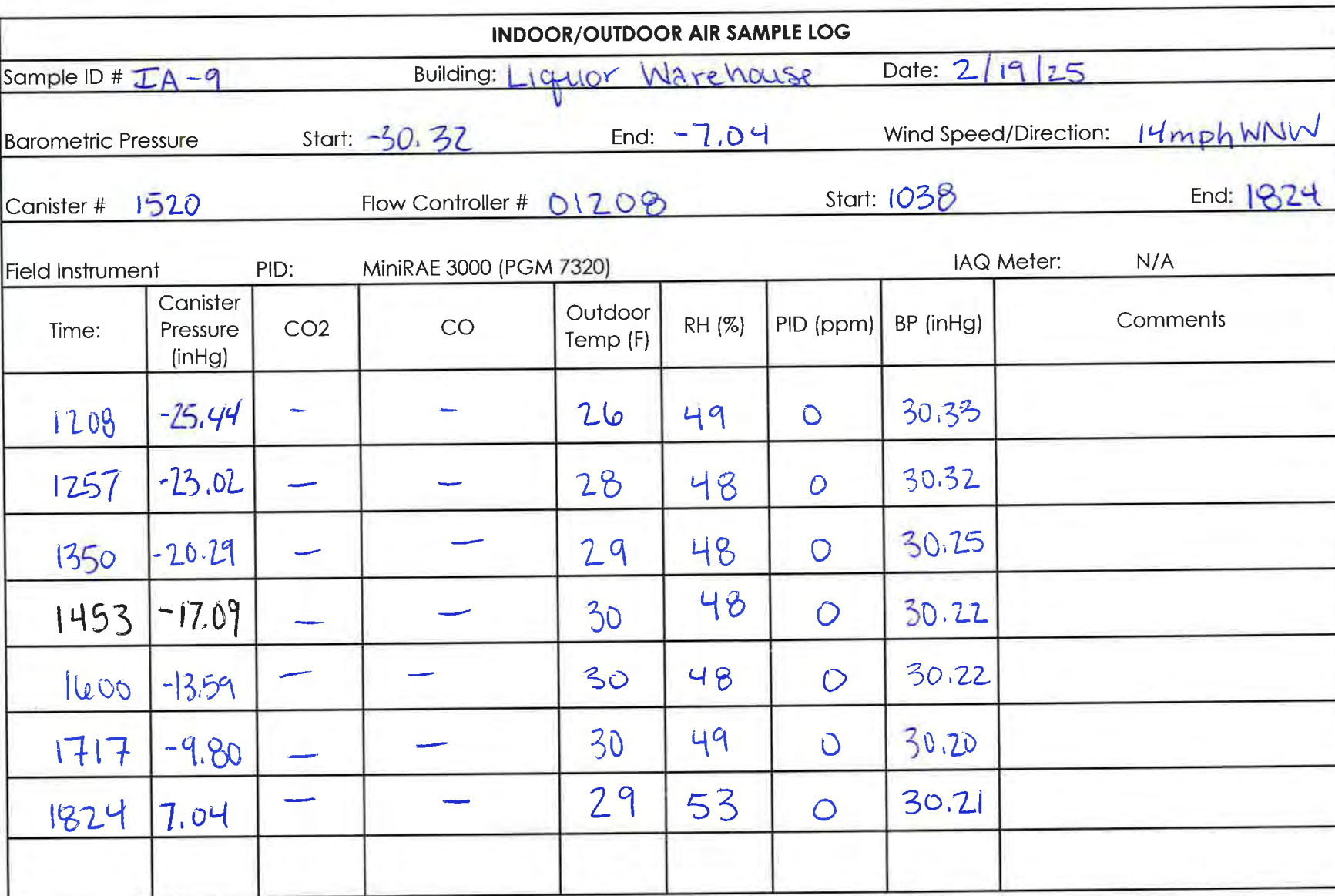


INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IAQ-1 Building: Nail Salon Date: 2/19/25Barometric Pressure Start: -30.45 End: -7.87 Wind Speed/Direction: 16 mph WNWCanister # 5180 Flow Controller # 0478 Start: 0957 End: 1652

Field Instrument PID: MiniRAE 3000 (PGM 7320) IAQ Meter: N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
1108	-26.87	—	—	25	51	0.0	30.33	
1159	-24.38	—	—	26	49	0.0	30.32	
1300	-21.41	—	—	28	48	0.0	30.29	
1457	-15.99	—	—	30	48	0.0	30.22	
1601	-13.21	—	—	30	48	0.0	30.22	
1652	-7.87	—	—	30	49	0.0	30.20	Audible Leak occurred when turning on pressure reader
								I closed the valve to end the sample.
								pressure was dropping rapidly. It started at around 10 in Hg before dropping.





INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID #	IA-201	Building:	Stop & Shop	Date:	2/19/25			
Barometric Pressure	Start: -30.91	End: -6.99 1632	Wind Speed/Direction:	16 mph WNW				
Canister #	4756	Flow Controller #	02213	Start:	0832	End:	1632	
Field Instrument	PID:	MiniRAE 3000 (PGM 7320)	IAQ Meter:	N/A				
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0925	-28.00	-	-	22	55	0.0	30.36	
1008	-25.80	-	-	22	53	0	30.35	
1114 ~~1113~~	-22.44 ~~22.73~~	-	-	24	51	0	30.33	
1206	-19.89	-	-	26	49	0	30.32	
1306	-16.89	-	-	28	48	0	30.29	
1359	-14.19	-	-	29	48	0	30.25	
1503	-11.01	-	-	30	48	0	30.22	
1632	-6.99	-	-	30	48	0	30.22	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-202Building: Stop & ShopDate: 2/19/25

Barometric Pressure

Start: -31.15End: ~~1626~~ -7.72Wind Speed/Direction: 16 mph WNWCanister # 2694Flow Controller # 0129Start: 0826End: 1626

Field Instrument

PID:

MiniRAE 3000 (PGM 7320)

IAQ Meter:

N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0924	-28.15	-	-	21	55	0	30.36	
1006	-26.04	-	-	22	53	0	30.35	
1113	-22.73	-	-	24	51	0	30.33	
1205	-20.12	-	-	26	49	0	30.32	
1305	-16.22	-	-	28	48	0	30.29	
1358	-13.69	-	-	29	48	0	30.25	
1502	-10.92	-	-	30	48	0	30.22	
1626	-7.72	-	-	30	48	0	30.22	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-203 Building: 24912 Stop & Shop Date: 2/19/25
Barometric Pressure Start: -29.44 ~~-28.82~~ End: -6.70 Wind Speed/Direction: 16 mph WNW
Canister # 1819 Flow Controller # 0158 Start: 0820 End: 1610

Field Instrument PID: MiniRAE 3000 (PGM 7320) IAQ Meter: N/A

Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0921	-25.93	-	-	21 F	55	0	30.36	
1004	-23.82	-	-	22	53	0	30.35	
1112	-20.30	-	-	24	51	0	~~30.33~~ ~~30.32~~	
1204	-17.70	-	-	26	49	0	~~30.32~~ ~~30.29~~	
1252	-15.15	-	-	28	48	0	~~30.29~~ ~~30.25~~	
1357	-12.00	-	-	29	48	0	~~30.25~~ ~~30~~	
1501	-9.17	-	-	30	48	0	30.22	
1610	-6.70	-	-	30	48	0	30.22	



INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID #	AMB-1		Building:	Fence		Date:	2/19/25	
Barometric Pressure	Start:	-30.55		End:	-4.20		Wind Speed/Direction:	16 mph WNW
Canister #	3083		Flow Controller #	D1790		Start:	0758	
End:	1605							
Field Instrument	PID:	MiniRAE 3000 (PGM 7320)					IAQ Meter:	N/A
Time:	Canister Pressure (inHg)	CO2	CO	Outdoor Temp (F)	RH (%)	PID (ppm)	BP (inHg)	Comments
0914	-27.35	—	—	21F	55	0	30.36	
1001	-24.67	—	—	22	53	0	30.35	
1110	-20.73	—	—	24	~~51~~ 49	0	30.33	
1202	-17.75	—	—	25	50	0	30.33	
1302	-14.19	—	—	28	48	0	30.29	
1355	-11.06	—	—	29	48	0	30.25	
1459	-7.55	—	—	30	48	0	30.22	
1605	-4.20	—	—	30	48	0	30.22	

**Stantec**

5 Dartmouth Drive, Suite 200
Auburn, NH
(603) 496-4674

Sub-Slab Soil Vapor Sample Collection LogSample ID: SVP-11

Client:	<u>Stantec</u>	Date:	<u>2/19/25</u>
Project:	<u>Belle Harbor</u>	Weather:	<u>Cloudy</u>
Project #:	<u>1956014</u>	Temperature/Pressure:	<u>25F, 30.33" Hg</u>
Location:	<u>Rockaway, NY</u>	Wind Speed/Direction:	<u>14mph, 50% humidity</u>
Sampler(s):	<u>JN + BG</u>	Equipment:	<u>Summa canister, Dielectric</u>
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:Size: 2.7LCanister ID: 535Flow Controller ID: 01236Pressure Reported by Laboratory: -29.6**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0.0</u>	<u>0.0</u>	<u>18.71</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>19.4%</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>- 0.128</u>	<u>- 0.122</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1133</u>	<u>-30.33</u>
Check #1	<u>1135</u>	<u>-25.46</u>
Check #2	<u>1137</u>	<u>-21.30</u>
Check #3	<u>1140</u>	<u>-14.07</u>
Check #4	<u>1142</u>	<u>-9.76</u>
Stop	<u>1144</u>	<u>-5.57</u>

**Stantec**5 Dartmouth Drive, Suite 200
Auburn, NH
(603) 496-4674**Sub-Slab Soil Vapor Sample Collection Log**Sample ID: SVP-9

Client:	<u>Stantec</u>	Date:	<u>2/19/25</u>
Project:	<u>Belle Harbor</u>	Weather:	<u>Cloudy</u>
Project #:	<u>1956014</u>	Temperature/Pressure:	<u>24 F / 30.33" Hg</u>
Location:	<u>Rockaway, NY</u>	Wind Speed/Direction:	<u>14mph WNW</u>
Sampler(s):	<u>JN #89</u>	Equipment:	<u>Summa canister, infitec, dielectric</u>
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:Size: 2.7LCanister ID: 147Flow Controller ID: 02569Pressure Reported by Laboratory: -29.2**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0.0</u>	<u>0.0</u>	<u>19.31</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>19.71</u>	<u>0.0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>0.008</u>	

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1051</u>	<u>-29.55</u>
Check #1	<u>1053</u>	<u>-26.76</u>
Check #2	<u>1055</u>	<u>-20.12</u>
Check #3	<u>1057</u>	<u>-16.15</u>
Check #4	<u>1059</u>	<u>-11.89</u>
Stop	<u>1102</u>	<u>-5.23</u>

 Stantec 5 Dartmouth Drive, Suite 200 Auburn, NH (603) 496-4674		Sub-Slab Soil Vapor Sample Collection Log	
		Sample ID: <u>SVP ~~203~~ 10</u>	
Client:	<u>Stantec</u>	Date:	<u>2/19/25</u>
Project:	<u>Belle Harbor</u>	Weather:	<u>Cloudy</u>
Project #:	<u>1956014</u>	Temperature/Pressure:	<u>27F, 30.30" Hg</u>
Location:	<u>Rockaway NY</u>	Wind Speed/Direction:	<u>14mph WNW</u>
Sampler(s):	<u>JN + BG</u>	Equipment:	<u>Summa canister, dielectric helium detector</u>
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 3746

Flow Controller ID: 02037

Pressure Reported by Laboratory: -29.3

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0.0</u>	<u>0.0</u>	<u>15.8%</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>13.9%</u>	<u>0.0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.003</u>	<u>-0.004</u>

Sampling Information:

	Time	Pressure (inHg)
Start	<u>1317</u>	<u>-29.14</u>
Check #1	<u>1319</u>	<u>-26.13</u>
Check #2	<u>1321</u>	<u>-21.40</u>
Check #3	<u>1324</u>	<u>-13.55</u>
Check #4	<u>1326</u>	<u>-8.05</u>
Stop	<u>1327</u>	<u>-5.78</u>

**Stantec**

5 Dartmouth Drive, Suite 200
Auburn, NH
(603) 496-4674

Sub-Slab Soil Vapor Sample Collection LogSample ID: SV-103

Client:	Stantec	Date:	2/19/25
Project:	Belle Harbor	Weather:	21F, cloudy, 55% hum
Project #:	195601412	Temperature/Pressure:	21F, 30.36" Hg
Location:	Rockaway, NY	Wind Speed/Direction:	16 mph WNW
Sampler(s):	JN + BG	Equipment:	Summa canister, Infiltec, dielectric
Background PID Ambient Air Reading:	0.0		

SUMMA Canister Information:Size: 2.7LCanister ID: 3221Flow Controller ID: 01955Pressure Reported by Laboratory: -29.3**Tracer Gas Testing:**

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
0.0	0.0	16.3%	0.0	0.0	0.0	15.9%	0.0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.024	-0.02

Sampling Information:

	Time	Pressure (inHg)
Start	0853	-29.42
Check #1	0855	-24.66
Check #2	0857	-19.69
Check #3	0859	-13.93
Check #4	0901	-10.00
Stop	0903	-5.81

**Stantec**5 Dartmouth Drive, Suite 200
Auburn, NH
(603) 496-4674**Sub-Slab Soil Vapor Sample Collection Log**Sample ID: SVP-204

Client:	<u>Stanter</u>	Date:	<u>2/19/25</u>
Project:	<u>Belle Harbor</u>	Weather:	<u>Cloudy</u>
Project #:	<u>1956014</u>	Temperature/Pressure:	<u>27F, 30.30" Hg</u>
Location:	<u>Hickam, NY</u>	Wind Speed/Direction:	<u>14mph WNW</u>
Sampler(s):	<u>JN-BG</u>	Equipment:	<u>Summa canister, dielectric helium detector</u>
Background PID Ambient Air Reading:	<u>0.0</u>		

SUMMA Canister Information:

Size: 2.7

Canister ID: 3019

Flow Controller ID: 01416

Pressure Reported by Laboratory: -29.2

Tracer Gas Testing:

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)
<u>0.0</u>	<u>0.0</u>	<u>11.0%</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>13.7%</u>	<u>0.0</u>

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
<u>-0.008</u>	<u>-0.013</u>

Sampling Information:

	Time	Pressure (InHg)
Start	<u>- 1220</u>	<u>-29.90</u>
Check #1	<u>1222</u>	<u>-25.68</u>
Check #2	<u>1224</u>	<u>-22.22</u>
Check #3	<u>1226</u>	<u>-17.22</u>
Check #4	<u>1228</u>	<u>-12.25</u>
Stop	<u>1231</u>	<u>-5.88</u>

 Stantec 5 Dartmouth Drive, Suite 200 Auburn, NH (603) 496-4674		~~Sub-Slab Soil Vapor~~ Stack Sample Collection Log	
		Sample ID: Stack	
Client:	stantec	Date:	2/19/25
Project:	Belle Harbor	Weather:	cloudy
Project #:	195601412	Temperature/Pressure:	30°F, 30.30" Hg
Location:	Rockaway, NY	Wind Speed/Direction:	14mph WNW
Sampler(s):	JN + BG	Equipment:	Summa canister dielectric helium detector
Background PID Ambient Air Reading:	0.0		

SUMMA Canister Information:

Size: 2.7L
 Canister ID: 373
 Flow Controller ID: 0598
 Pressure Reported by Laboratory: -29.3

Tracer Gas Testing:

N/A

Test 1 (before sample collection)				Test 2 (after sample collection)			
Pre-Helium enrichment		Post-Helium enrichment		Pre-Helium enrichment		Post-Helium enrichment	
Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)	Ambient He (ppm)	Downhole He (ppm)

Differential Pressure Testing:

N/A

Test 1 (before sample collection)	Test 2 (after sample collection)

Sampling Information:

	Time	Pressure (inHg)
Start	1518	-29.33
Check #1	1520	-29.49
Check #2	1522	-19.90
Check #3	1524	-15.28
Check #4	1527	-9.27
Stop	1529	-5.28

ATTACHMENT 3

Laboratory Report: February 2025 Sampling Event



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2509499

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Project Name: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2509499-01	AMB-1	AIR	FAR ROCKAWAY, NY	02/19/25 16:05	02/20/25
L2509499-02	IA-203	AIR	FAR ROCKAWAY, NY	02/19/25 16:10	02/20/25
L2509499-03	IA-202	AIR	FAR ROCKAWAY, NY	02/19/25 16:26	02/20/25
L2509499-04	IA-201	AIR	FAR ROCKAWAY, NY	02/19/25 16:32	02/20/25
L2509499-05	IA-7	AIR	FAR ROCKAWAY, NY	02/19/25 15:55	02/20/25
L2509499-06	IAQ-1	AIR	FAR ROCKAWAY, NY	02/19/25 16:52	02/20/25
L2509499-07	IA-11	AIR	FAR ROCKAWAY, NY	02/19/25 18:26	02/20/25
L2509499-08	IA-9	AIR	FAR ROCKAWAY, NY	02/19/25 18:24	02/20/25
L2509499-09	STACK	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 15:29	02/20/25
L2509499-10	SV-103	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 09:03	02/20/25
L2509499-11	SV-9	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 11:02	02/20/25
L2509499-12	SV-11	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 11:44	02/20/25
L2509499-13	SV-204	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 12:31	02/20/25
L2509499-14	SV-10	SOIL_VAPOR	FAR ROCKAWAY, NY	02/19/25 13:27	02/20/25
L2509499-15	UNUSED CAN #3453	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY		02/20/25
L2509499-16	UNUSED CAN #3969	AIR	FAR ROCKAWAY, QUEENS, NY		02/20/25

Project Name: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

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: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on February 13, 2025. The canister certification data is provided as an addendum.

L2509499-06,-07,-09D,-12: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2509499-06D,-07D,-09D2,-10D,-12D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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: 
Title: Technical Director/Representative

Report Date: 03/07/25

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



Project Name: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

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: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

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 : L2509499

Received : 20-FEB-2025

Account Name : Stantec

Reviewer : Christopher J Anderson

Project Number : 195601412

Project Name : BELLE HARBOR

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?	NO
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
Mar 07 2025, 06:41 pm

Login Number: L2509499

Account: STANTEC-NH-AEL StantecProject: 195601412

Received: 20FEB25 Due Date: 06MAR25

Sample #	Client ID	Mat PR Collected
L2509499-01 AMB-1		10 S0 19FEB25 16:05
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs ASP-B Package Due Date: 03/06/25		
ASP-B, CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-02 IA-203		10 S0 19FEB25 16:10
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-03 IA-202		10 S0 19FEB25 16:26
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-04 IA-201		10 S0 19FEB25 16:32
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-05 IA-7		10 S0 19FEB25 15:55
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-06 IAQ-1		10 S0 19FEB25 16:52
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL, T015-SIM		
L2509499-07 IA-11		10 S0 19FEB25 18:26
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 07 2025, 06:41 pm

Login Number: L2509499

Account: STANTEC-NH-AEL StantecProject: 195601412

Received: 20FEB25 Due Date: 06MAR25

Sample # Client ID Mat PR Collected

CAN-RENT, FLOW-RENT, T015-LL, T015-SIM

L2509499-08 IA-9

10 S0 19FEB25 18:24

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL, T015-SIM

L2509499-09 STACK

11 S0 19FEB25 15:29

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL

L2509499-10 SV-103

11 S0 19FEB25 09:03

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL

L2509499-11 SV-9

11 S0 19FEB25 11:02

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL

L2509499-12 SV-11

11 S0 19FEB25 11:44

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL

L2509499-13 SV-204

11 S0 19FEB25 12:31

No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25

CAN-RENT, FLOW-RENT, T015-LL

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 07 2025, 06:41 pm

Login Number: L2509499

Account: STANTEC-NH-AEL StantecProject: 195601412

Received: 20FEB25 Due Date: 06MAR25

Sample #	Client ID	Mat PR Collected
L2509499-14 SV-10		11 S0 19FEB25 13:27
No charge for trip blanks if 4 or more samples T015 SIM for 7 NYS DMCs Package Due Date: 03/06/25		
CAN-RENT, FLOW-RENT, T015-LL		
L2509499-15 UNUSED CAN #3453		11 S0
CAN-RENT, CLEAN-FEE, FLOW-RENT		
L2509499-16 UNUSED CAN #3969		10 S0
CAN-RENT, CLEAN-FEE, FLOW-RENT		



AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

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

Client Information

Client: Stantec
Address: 5 Dartmouth Drive Suite 200
Auburn, NH 03032
Phone: 603-669-8672
Fax:
Email: Donald.Moore2@stantec.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: Belle Harbor
Project Location: Far Rockaway, NY
Project #: 195601412
Project Manager: Don Moore
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Date Rec'd in Lab: 2/21/25

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

ALPHA Job #: L2509499

Billing Information

☒ Same as Client info PO # 195601412

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

☐

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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 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
09499-01	AMB-1	2/19/25	0758	1605	-30.55	-4.20	AA	JN	6L	3083	01790	X						
02	IA-203	2/19/25	0820	1610	-29.44	-6.70	AA	JN	6L	1819	0158	X						
03	IA-202	2/19/25	0826	1626	-31.15	-7.72	AA	JN	6L	2694	0129	X						
04	IA-201	2/19/25	0832	1632	-30.91	-6.99	AA	JN	6L	4756	02213	X						
05	IA-7	2/19/25	0940	1555	-30.78	-10.30	AA	JN	6L	2717	0161	X						
06	IAQ-1	2/19/25	0957	1652	-30.45	-7.87	AA	JN	6L	5180	0478	X						
07	IA-11	2/19/25	1030	1826	-30.42	-6.60	AA	JN	6L	3629	02623	X						
08	IA-9	2/19/25	1038	1824	-30.32	-7.04	AA	JN	6L	1520	01208	X						
09	Stack	2/19/25	1518	1529	-29.33	-5.28	Other	JN	2.7L	373	0598	X						Other = From roof fan
10	SV-103	2/19/25	0853	0903	-29.42	-5.81	SV	JN	2.7L	3221	01955	X						

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time

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.

Don Moore
2/20/25 10:30
2/20/25 10:34
2/20/25 04:40

Chris Pace
2/20/25 10:37
2/20/25 20:15
2/24/25 01:40

Supporting Documentation

Project Name: BELLE HARBOR

Lab Number: L2509499

Project Number: 195601412

Report Date: 03/07/25

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
L2509499-01	AMB-1	01790	Flow 4	02/13/25	504461		-	-	-	Pass	10.0	9.9	1
L2509499-01	AMB-1	3083	6.0L Can	02/13/25	504461	L2507631-02	Pass	-29.6	-2.2	-	-	-	-
L2509499-02	IA-203	0158	Flow 5	02/13/25	504461		-	-	-	Pass	10.2	8.6	17
L2509499-02	IA-203	1819	6.0L Can	02/13/25	504461	L2507313-04	Pass	-29.5	-5.7	-	-	-	-
L2509499-03	IA-202	0129	Flow 5	02/13/25	504461		-	-	-	Pass	10.0	9.8	2
L2509499-03	IA-202	2694	6.0L Can	02/13/25	504461	L2507313-04	Pass	-29.5	-7.0	-	-	-	-
L2509499-04	IA-201	02213	Flow 5	02/13/25	504461		-	-	-	Pass	10.0	10.0	0
L2509499-04	IA-201	4756	6.0L Can	02/13/25	504461	L2507313-04	Pass	-30.1	-6.0	-	-	-	-
L2509499-05	IA-7	0161	Flow 4	02/13/25	504461		-	-	-	Pass	10.0	9.5	5
L2509499-05	IA-7	2717	6.0L Can	02/13/25	504461	L2507313-03	Pass	-29.7	-9.9	-	-	-	-
L2509499-06	IAQ-1	0478	Flow 5	02/13/25	504461		-	-	-	Pass	10.0	9.0	11
L2509499-06	IAQ-1	5180	6.0L Can	02/13/25	504461	L2507631-02	Pass	-29.6	-6.5	-	-	-	-
L2509499-07	IA-11	02123	Flow 4	02/13/25	504461		-	-	-	Pass	10.0	10.1	1
L2509499-07	IA-11	3629	6.0L Can	02/13/25	504461	L2507313-04	Pass	-29.4	-5.7	-	-	-	-
L2509499-08	IA-9	01208	Flow 5	02/13/25	504461		-	-	-	Pass	10.1	10.2	1

Project Name: BELLE HARBOR

Lab Number: L2509499

Project Number: 195601412

Report Date: 03/07/25

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
L2509499-08	IA-9	1520	6.0L Can	02/13/25	504461	L2507313-04	Pass	-29.4	-6.4	-	-	-	-
L2509499-09	STACK	0598	SV200	02/13/25	504461		-	-	-	Pass	216	208	4
L2509499-09	STACK	373	2.7L Can	02/13/25	504461	L2504347-02	Pass	-29.3	-3.8	-	-	-	-
L2509499-10	SV-103	01955	SV200	02/13/25	504461		-	-	-	Pass	222	219	1
L2509499-10	SV-103	3221	2.7L Can	02/13/25	504461	L2505616-02	Pass	-29.3	-4.9	-	-	-	-
L2509499-11	SV-9	02569	SV200	02/13/25	504461		-	-	-	Pass	225	222	1
L2509499-11	SV-9	147	2.7L Can	02/13/25	504461	L2504347-02	Pass	-29.2	-4.1	-	-	-	-
L2509499-12	SV-11	01236	SV200	02/13/25	504461		-	-	-	Pass	221	220	0
L2509499-12	SV-11	535	2.7L Can	02/13/25	504461	L2504543-02	Pass	-29.6	-4.6	-	-	-	-
L2509499-13	SV-204	01196	SV200	02/13/25	504461		-	-	-	Pass	220	212	4
L2509499-13	SV-204	3019	2.7L Can	02/13/25	504461	L2504347-02	Pass	-29.2	-3.1	-	-	-	-
L2509499-14	SV-10	02037	SV200	02/13/25	504461		-	-	-	Pass	222	219	1
L2509499-14	SV-10	3746	2.7L Can	02/13/25	504461	L2504347-02	Pass	-29.3	-5.1	-	-	-	-
L2509499-15	UNUSED CAN #3453	01324	SV200	02/13/25	504461		-	-	-	Pass	222	220	1
L2509499-15	UNUSED CAN #3453	3453	2.7L Can	02/13/25	504461	L2504347-02	Pass	-29.4	-29.1	-	-	-	-

Project Name: BELLE HARBOR
Project Number: 195601412

Lab Number: L2509499
Report Date: 03/07/25

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
L2509499-16	UNUSED CAN #3969	02155	Flow 5	02/13/25	504461		-	-	-	Pass	9.8	9.8	0
L2509499-16	UNUSED CAN #3969	3969	6.0L Can	02/13/25	504461	L2507313-04	Pass	-29.7	-29.1	-	-	-	-



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

Lab Number: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/26/25 19:34
Analyst: KJD

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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	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	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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
 Client ID: CAN 3227 SHELF 76
 Sample Location:

Date Collected: 01/25/25 07:00
 Date Received: 01/25/25
 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	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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140



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

Lab Number: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/26/25 19:34
Analyst: KJD

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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
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	0.055	0.020	--	0.269	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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
 Client ID: CAN 3227 SHELF 76
 Sample Location:

Date Collected: 01/25/25 07:00
 Date Received: 01/25/25
 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	0.043	0.020	--	0.292	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
1,1,2,2-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: L2504347
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504347-02
Client ID: CAN 3227 SHELF 76
Sample Location:

Date Collected: 01/25/25 07:00
Date Received: 01/25/25
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-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	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/29/25 01:25
Analyst: TPH

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
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	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	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: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
 Client ID: CAN 3877 SHELF 79
 Sample Location:

Date Collected: 01/27/25 18:00
 Date Received: 01/28/25
 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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
 Client ID: CAN 3877 SHELF 79
 Sample Location:

Date Collected: 01/27/25 18:00
 Date Received: 01/28/25
 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: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
 Client ID: CAN 3877 SHELF 79
 Sample Location:

Date Collected: 01/27/25 18:00
 Date Received: 01/28/25
 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	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					
Silanol, Trimethyl-	1.6	NJ	ppbV		1



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
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	109		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	107		60-140



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 01/29/25 20:33
Analyst: JFI

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air								
Ethanol	ND	5.00	--	ND	9.42	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Isopropanol	ND	1.00	--	ND	2.46	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	101		60-140



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/29/25 01:25
Analyst: TPH

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
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
Acrolein	ND	0.050	--	ND	0.115	--		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
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
 Client ID: CAN 3877 SHELF 79
 Sample Location:

Date Collected: 01/27/25 18:00
 Date Received: 01/28/25
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
1,4-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-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



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
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	116		60-140
bromochloromethane	116		60-140
chlorobenzene-d5	113		60-140



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

Lab Number: L2504543
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2504543-02
Client ID: CAN 3877 SHELF 79
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 01/29/25 20:33
Analyst: JFI

Date Collected: 01/27/25 18:00
Date Received: 01/28/25
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM								
Acetone	ND	1.00	--	ND	2.38	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
Client ID: CAN 3184 SHELF 16
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/02/25 19:25
Analyst: JFI

Date Collected: 02/01/25 07:00
Date Received: 02/01/25
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	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	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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
 Client ID: CAN 3184 SHELF 16
 Sample Location:

Date Collected: 02/01/25 07:00
 Date Received: 02/01/25
 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
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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
Client ID: CAN 3184 SHELF 16
Sample Location:

Date Collected: 02/01/25 07:00
Date Received: 02/01/25
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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
 Client ID: CAN 3184 SHELF 16
 Sample Location:

Date Collected: 02/01/25 07:00
 Date Received: 02/01/25
 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	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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
Client ID: CAN 3184 SHELF 16
Sample Location:

Date Collected: 02/01/25 07:00
Date Received: 02/01/25
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	105		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	108		60-140



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

Lab Number: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
Client ID: CAN 3184 SHELF 16
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/02/25 19:25
Analyst: JFI

Date Collected: 02/01/25 07:00
Date Received: 02/01/25
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
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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
 Client ID: CAN 3184 SHELF 16
 Sample Location:

Date Collected: 02/01/25 07:00
 Date Received: 02/01/25
 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
1,1,2,2-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: L2505616
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2505616-02
Client ID: CAN 3184 SHELF 16
Sample Location:

Date Collected: 02/01/25 07:00
Date Received: 02/01/25
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-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	109		60-140
bromochloromethane	114		60-140
chlorobenzene-d5	111		60-140



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

Lab Number: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
Client ID: CAN 1783 SHELF 46
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/11/25 22:20
Analyst: KJD

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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	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	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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
 Client ID: CAN 1783 SHELF 46
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
Client ID: CAN 1783 SHELF 46
Sample Location:

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
 Client ID: CAN 1783 SHELF 46
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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	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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03 Date Collected: 02/10/25 17:00
Client ID: CAN 1783 SHELF 46 Date Received: 02/11/25
Sample Location: 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	89		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



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

Lab Number: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
 Client ID: CAN 1783 SHELF 46
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/11/25 22:20
 Analyst: KJD

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
 Client ID: CAN 1783 SHELF 46
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
1,1,2,2-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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-03
Client ID: CAN 1783 SHELF 46
Sample Location:

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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-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	89		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140



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

Lab Number: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
Client ID: CAN 4766 SHELF 47
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/11/25 22:58
Analyst: KJD

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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	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	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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
 Client ID: CAN 4766 SHELF 47
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
Client ID: CAN 4766 SHELF 47
Sample Location:

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
 Client ID: CAN 4766 SHELF 47
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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	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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
Client ID: CAN 4766 SHELF 47
Sample Location:

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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	89		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



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

Lab Number: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
 Client ID: CAN 4766 SHELF 47
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/11/25 22:58
 Analyst: KJD

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
 Client ID: CAN 4766 SHELF 47
 Sample Location:

Date Collected: 02/10/25 17:00
 Date Received: 02/11/25
 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
1,1,2,2-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: L2507313
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507313-04
Client ID: CAN 4766 SHELF 47
Sample Location:

Date Collected: 02/10/25 17:00
Date Received: 02/11/25
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-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	89		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
Client ID: CAN 5191 SHELF 52
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/12/25 04:02
Analyst: KJD

Date Collected: 02/11/25 12:00
Date Received: 02/11/25
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	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	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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
 Client ID: CAN 5191 SHELF 52
 Sample Location:

Date Collected: 02/11/25 12:00
 Date Received: 02/11/25
 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
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
 Client ID: CAN 5191 SHELF 52
 Sample Location:

Date Collected: 02/11/25 12:00
 Date Received: 02/11/25
 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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
 Client ID: CAN 5191 SHELF 52
 Sample Location:

Date Collected: 02/11/25 12:00
 Date Received: 02/11/25
 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	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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
Client ID: CAN 5191 SHELF 52
Sample Location:

Date Collected: 02/11/25 12:00
Date Received: 02/11/25
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	89		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	91		60-140



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

Lab Number: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
 Client ID: CAN 5191 SHELF 52
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 02/12/25 04:02
 Analyst: KJD

Date Collected: 02/11/25 12:00
 Date Received: 02/11/25
 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
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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
 Client ID: CAN 5191 SHELF 52
 Sample Location:

Date Collected: 02/11/25 12:00
 Date Received: 02/11/25
 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
1,1,2,2-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: L2507631
Report Date: 03/07/25

Air Canister Certification Results

Lab ID: L2507631-02
Client ID: CAN 5191 SHELF 52
Sample Location:

Date Collected: 02/11/25 12:00
Date Received: 02/11/25
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-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	88		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140



Organics

Volatile Organics in Air TO-15 Low Level

Volatiles QC Summary

Lab Duplicate Sample Summary

Form 3

Air Volatiles

Client	: Stantec	Lab Number	: L2509499
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-9	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2509499-08	Analysis Date	: 03/07/25 00:42
Lab File ID	: R1747494	DUP File ID	: r1747495
Dup Sample ID	: WG2037508-5	DUP Analysis Date	: 03/07/25 01:21

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Dichlorodifluoromethane	0.658	0.690	5	25
Chloromethane	0.712	0.738	4	25
Freon-114	ND	ND	NC	25
1,3-Butadiene	ND	ND	NC	25
Bromomethane	ND	ND	NC	25
Chloroethane	ND	ND	NC	25
Ethanol	103	102	1	25
Vinyl bromide	ND	ND	NC	25
Acetone	24.6	22.4	9	25
Trichlorofluoromethane	0.236	0.249	5	25
Isopropanol	4.50	4.02	11	25
Tertiary butyl Alcohol	ND	ND	NC	25
Methylene chloride	ND	ND	NC	25
3-Chloropropene	ND	ND	NC	25
Carbon disulfide	ND	ND	NC	25
Freon-113	ND	ND	NC	25
trans-1,2-Dichloroethene	ND	ND	NC	25
1,1-Dichloroethane	ND	ND	NC	25
Methyl tert butyl ether	ND	ND	NC	25
2-Butanone	ND	ND	NC	25
Ethyl Acetate	0.739	0.737	0	25
Chloroform	ND	ND	NC	25
Tetrahydrofuran	ND	ND	NC	25
1,2-Dichloroethane	ND	ND	NC	25
n-Hexane	0.203	0.204	0	25



Lab Duplicate Sample Summary

Form 3

Air Volatiles

Client	: Stantec	Lab Number	: L2509499
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-9	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2509499-08	Analysis Date	: 03/07/25 00:42
Lab File ID	: R1747494	DUP File ID	: r1747495
Dup Sample ID	: WG2037508-5	DUP Analysis Date	: 03/07/25 01:21

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Benzene	ND	ND	NC	25
Cyclohexane	ND	ND	NC	25
1,2-Dichloropropane	ND	ND	NC	25
Bromodichloromethane	ND	ND	NC	25
1,4-Dioxane	ND	ND	NC	25
2,2,4-Trimethylpentane	ND	ND	NC	25
Heptane	ND	ND	NC	25
cis-1,3-Dichloropropene	ND	ND	NC	25
4-Methyl-2-pentanone	ND	ND	NC	25
trans-1,3-Dichloropropene	ND	ND	NC	25
1,1,2-Trichloroethane	ND	ND	NC	25
Toluene	ND	ND	NC	25
2-Hexanone	ND	ND	NC	25
Dibromochloromethane	ND	ND	NC	25
1,2-Dibromoethane	ND	ND	NC	25
Chlorobenzene	ND	ND	NC	25
Ethylbenzene	ND	ND	NC	25
p/m-Xylene	ND	ND	NC	25
Bromoform	ND	ND	NC	25
Styrene	ND	ND	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	NC	25
o-Xylene	ND	ND	NC	25
4-Ethyltoluene	ND	ND	NC	25
1,3,5-Trimethylbenzene	ND	ND	NC	25
1,2,4-Trimethylbenzene	ND	ND	NC	25



Lab Duplicate Sample Summary

Form 3

Air Volatiles

Client	: Stantec	Lab Number	: L2509499
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-9	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2509499-08	Analysis Date	: 03/07/25 00:42
Lab File ID	: R1747494	DUP File ID	: r1747495
Dup Sample ID	: WG2037508-5	DUP Analysis Date	: 03/07/25 01:21

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Benzyl chloride	ND	ND	NC	25
1,3-Dichlorobenzene	ND	ND	NC	25
1,4-Dichlorobenzene	ND	ND	NC	25
1,2-Dichlorobenzene	ND	ND	NC	25
1,2,4-Trichlorobenzene	ND	ND	NC	25
Naphthalene	ND	ND	NC	25
Hexachlorobutadiene	ND	ND	NC	25



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Matrix (Level) : AIR (LOW)
 LCS Sample ID : WG2037508-3
 LCSD Sample ID :

Lab Number : L2509499
 Project Number : 195601412
 Analysis Date : 03/06/25 16:48
 File ID : r1747483
 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	10.4	104				-	70-130	-
Chloromethane	10	9.41	94				-	70-130	-
Freon-114	10	10.4	104				-	70-130	-
Vinyl chloride	10	10.2	102				-	70-130	-
1,3-Butadiene	10	9.11	91				-	70-130	-
Bromomethane	10	10.5	105				-	70-130	-
Chloroethane	10	10.2	102				-	70-130	-
Ethanol	50	37.5	75				-	40-160	-
Vinyl bromide	10	9.82	98				-	70-130	-
Acetone	50	45.2	90				-	40-160	-
Trichlorofluoromethane	10	8.51	85				-	70-130	-
Isopropanol	25	25.4	102				-	40-160	-
1,1-Dichloroethene	10	12.7	127				-	70-130	-
Tertiary butyl Alcohol	10	11.0	110				-	70-130	-
Methylene chloride	10	10.0	100				-	70-130	-
3-Chloropropene	10	11.3	113				-	70-130	-
Carbon disulfide	10	10.1	101				-	70-130	-
Freon-113	10	11.2	112				-	70-130	-
trans-1,2-Dichloroethene	10	11.6	116				-	70-130	-
1,1-Dichloroethane	10	11.9	119				-	70-130	-
Methyl tert butyl ether	10	9.60	96				-	70-130	-
2-Butanone	10	10.1	101				-	70-130	-
cis-1,2-Dichloroethene	10	12.1	121				-	70-130	-
Ethyl Acetate	10	12.8	128				-	70-130	-
Chloroform	10	11.7	117				-	70-130	-
Tetrahydrofuran	10	9.78	98				-	70-130	-



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Matrix (Level) : AIR (LOW)
 LCS Sample ID : WG2037508-3
 LCSD Sample ID :

Lab Number : L2509499
 Project Number : 195601412
 Analysis Date : 03/06/25 16:48
 File ID : r1747483
 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	12.2	122				-	70-130	-
n-Hexane	10	12.4	124				-	70-130	-
1,1,1-Trichloroethane	10	10.7	107				-	70-130	-
Benzene	10	10.2	102				-	70-130	-
Carbon tetrachloride	10	12.2	122				-	70-130	-
Cyclohexane	10	11.0	110				-	70-130	-
1,2-Dichloropropane	10	11.4	114				-	70-130	-
Bromodichloromethane	10	12.0	120				-	70-130	-
1,4-Dioxane	10	11.0	110				-	70-130	-
Trichloroethene	10	10.7	107				-	70-130	-
2,2,4-Trimethylpentane	10	11.6	116				-	70-130	-
Heptane	10	10.1	101				-	70-130	-
cis-1,3-Dichloropropene	10	10.7	107				-	70-130	-
4-Methyl-2-pentanone	10	10.2	102				-	70-130	-
trans-1,3-Dichloropropene	10	11.3	113				-	70-130	-
1,1,2-Trichloroethane	10	10.6	106				-	70-130	-
Toluene	10	10.1	101				-	70-130	-
2-Hexanone	10	9.02	90				-	70-130	-
Dibromochloromethane	10	11.7	117				-	70-130	-
1,2-Dibromoethane	10	10.4	104				-	70-130	-
Tetrachloroethene	10	9.92	99				-	70-130	-
Chlorobenzene	10	10.1	101				-	70-130	-
Ethylbenzene	10	9.69	97				-	70-130	-
p/m-Xylene	20	20.7	104				-	70-130	-
Bromoform	10	12.2	122				-	70-130	-
Styrene	10	9.88	99				-	70-130	-



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Matrix (Level) : AIR (LOW)
 LCS Sample ID : WG2037508-3 Analysis Date : 03/06/25 16:48 File ID : r1747483
 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	11.6	116				-	70-130	-
o-Xylene	10	10.6	106				-	70-130	-
4-Ethyltoluene	10	10.2	102				-	70-130	-
1,3,5-Trimethylbenzene	10	10.6	106				-	70-130	-
1,2,4-Trimethylbenzene	10	10.8	108				-	70-130	-
Benzyl chloride	10	10.8	108				-	70-130	-
1,3-Dichlorobenzene	10	10.9	109				-	70-130	-
1,4-Dichlorobenzene	10	11.1	111				-	70-130	-
1,2-Dichlorobenzene	10	10.5	105				-	70-130	-
1,2,4-Trichlorobenzene	10	9.46	95				-	70-130	-
Naphthalene	10	10.1	101				-	70-130	-
Hexachlorobutadiene	10	9.92	99				-	70-130	-



Method Blank Summary

Form 4

Air Volatiles

Client	: Stantec	Lab Number	: L2509499
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab Sample ID	: WG2037508-4	Lab File ID	: r1747485
Instrument ID	: AIRLAB17		
Matrix	: AIR	Analysis Date	: 03/06/25 18:59

Client Sample No.	Lab Sample ID	Analysis Date
WG2037508-3LCS	WG2037508-3	03/06/25 16:48
AMB-1	L2509499-01	03/06/25 20:15
IAQ-1	L2509499-06	03/06/25 20:53
IA-203	L2509499-02	03/06/25 21:31
IA-202	L2509499-03	03/06/25 22:10
IA-201	L2509499-04	03/06/25 22:48
IA-7	L2509499-05	03/06/25 23:26
IA-11	L2509499-07	03/07/25 00:04
IA-9	L2509499-08	03/07/25 00:42
IA-9DUP	WG2037508-5	03/07/25 01:21
STACK	L2509499-09D	03/07/25 04:30
SV-103	L2509499-10D	03/07/25 05:06
SV-9	L2509499-11	03/07/25 05:44
SV-11	L2509499-12	03/07/25 06:23
SV-204	L2509499-13	03/07/25 07:02
SV-10	L2509499-14	03/07/25 07:40
IA-11	L2509499-07D	03/07/25 08:57
STACK	L2509499-09D2	03/07/25 10:08
SV-11	L2509499-12D	03/07/25 10:43
IAQ-1	L2509499-06D	03/07/25 11:19



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : Stantec	Lab Number : L2509499
Project Name : BELLE HARBOR	Project Number : 195601412
Instrument ID : AIRLAB17	Analysis Date : 12/20/24 19:59
Tune Standard : WG2012830-1	Tune File ID : r1745949_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	35.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	63.7
175	4.0 - 9.0% of mass 174	4.5 (7.1)1
176	93.0 - 101% of mass 174	61.7 (96.8)1
177	5.0 - 9.0% of mass 176	4 (6.5)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	R1914763-1	R1745953	12/21/24 03:40
STD0.5	R1914763-2	R1745954	12/21/24 04:18
STD1.0	R1914763-3	R1745955	12/21/24 04:58
STD5.0	R1914763-4	R1745956	12/21/24 05:37
STD010	R1914763-6	R1745957	12/21/24 06:18
STD020	R1914763-5	R1745958	12/21/24 06:54
STD050	R1914763-7	R1745959	12/21/24 07:33
STD100	R1914763-8	R1745960	12/21/24 08:14
ICV QUANT	R1914763-9	R1745963	12/21/24 12:27



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : Stantec	Lab Number : L2509499
Project Name : BELLE HARBOR	Project Number : 195601412
Instrument ID : AIRLAB17	Analysis Date : 03/06/25 16:08
Tune Standard : WG2037508-1	Tune File ID : r1747482_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	15.5
75	30.0 - 66.0% of mass 95	37.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.5)1
174	50.0 - 120.0% of mass 95	64.9
175	4.0 - 9.0% of mass 174	4.6 (7.1)1
176	93.0 - 101% of mass 174	63.8 (98.3)1
177	5.0 - 9.0% of mass 176	4.2 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037508-2CCAL	WG2037508-2	R1747483	03/06/25 16:48
WG2037508-3LCS	WG2037508-3	R1747483	03/06/25 16:48
WG2037508-4BLANK	WG2037508-4	R1747485	03/06/25 18:59
AMB-1	L2509499-01	R1747487	03/06/25 20:15
IAQ-1	L2509499-06	R1747488	03/06/25 20:53
IA-203	L2509499-02	R1747489	03/06/25 21:31
IA-202	L2509499-03	R1747490	03/06/25 22:10
IA-201	L2509499-04	R1747491	03/06/25 22:48
IA-7	L2509499-05	R1747492	03/06/25 23:26
IA-11	L2509499-07	R1747493	03/07/25 00:04
IA-9	L2509499-08	R1747494	03/07/25 00:42
WG2037508-5DUP	WG2037508-5	R1747495	03/07/25 01:21
STACK	L2509499-09D	R1747500	03/07/25 04:30
SV-103	L2509499-10D	R1747501	03/07/25 05:06
SV-9	L2509499-11	R1747502	03/07/25 05:44
SV-11	L2509499-12	R1747503	03/07/25 06:23
SV-204	L2509499-13	R1747504	03/07/25 07:02
SV-10	L2509499-14	R1747505	03/07/25 07:40
IA-11	L2509499-07D	R1747506	03/07/25 08:57
STACK	L2509499-09D2	R1747508	03/07/25 10:08
SV-11	L2509499-12D	R1747509	03/07/25 10:43
IAQ-1	L2509499-06D	R1747510	03/07/25 11:19



Internal Standard Area and RT Summary

Form 8a

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Sample No : WG2037508-2

Lab Number : L2509499
 Project Number : 195601412
 Analysis Date : 03/06/25 16:48:00
 Lab File ID : R1747483

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2037508-2	259437	8.88	706449	11.09	106378	15.84
Upper Limit	363212	9.21	989029	11.42	148929	16.17
Lower Limit	155662	8.55	423869	10.76	63827	15.51
Sample ID						
WG2037508-3 LCS	259437	8.88	706449	11.09	106378	15.84
WG2037508-4 BLANK	249192	8.88	643228	11.09	96717	15.84
AMB-1	238741	8.88	608073	11.09	95383	15.84
IAQ-1	248414	8.89	679992	11.09	105641	15.83
IA-203	234406	8.88	599660	11.08	95242	15.83
IA-202	230023	8.88	584143	11.08	93316	15.83
IA-201	239274	8.87	623504	11.08	99324	15.83
IA-7	226541	8.87	543111	11.08	88750	15.83
IA-11	232191	8.88	588530	11.08	93882	15.83
IA-9	237746	8.87	616195	11.08	96229	15.83
IA-9 DUP	231277	8.88	583313	11.08	91014	15.83
STACK	244734	8.88	649689	11.08	104102	15.83
SV-103	253625	8.87	645556	11.08	105161	15.83
SV-9	241562	8.87	623168	11.08	100501	15.83
SV-11	243500	8.87	642732	11.08	103938	15.83
SV-204	238028	8.86	613215	11.07	99776	15.83
SV-10	238401	8.86	622262	11.07	98031	15.83
IA-11	225597	8.86	562493	11.07	88752	15.83
STACK	236221	8.86	608320	11.07	97959	15.83
SV-11	236556	8.86	595366	11.07	95388	15.83
IAQ-1	247880	8.86	631891	11.07	99712	15.83

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



Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container / Sample Preservation: 1 - Canister - 2.7 Liter

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			
Benzothiophene	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 the laboratory.

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container / Sample Preservation: 1 - Canister - 2.7 Liter

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	GCDAl06	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	0.5	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	0.2	0.078	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 the laboratory.

Volatile Organics in Air: TO-15 (AIR)

Holding Time: 30 days
Container / Sample Preservation: 1 - Canister - 2.7 Liter

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 the laboratory.

Volatiles Sample Data

Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : L2509499-01
Client ID : AMB-1
Sample Location : FAR ROCKAWAY, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747487
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 16:05
Date Received : 02/20/25
Date Analyzed : 03/06/25 20:15
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.642	0.200	--	3.17	0.989	--	
74-87-3	Chloromethane	0.658	0.200	--	1.36	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	4.96	1.00	--	11.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.220	0.200	--	1.24	1.12	--	
67-63-0	Isopropanol	ND	1.00	--	ND	2.46	--	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
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
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.217	0.200	--	0.765	0.705	--	
71-43-2	Benzene	0.337	0.200	--	1.08	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-01
 Client ID : AMB-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747487
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:05
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:15
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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	0.358	0.200	--	1.35	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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-01
 Client ID : AMB-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747487
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:05
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:15
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-02
 Client ID : IA-203
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747489
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:10
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 21:31
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.712	0.200	--	3.52	0.989	--	
74-87-3	Chloromethane	0.778	0.200	--	1.61	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	267	5.00	--	503	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	22.3	1.00	--	53.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	97.9	1.00	--	241	2.46	--	
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
141-78-6	Ethyl Acetate	1.68	0.500	--	6.05	1.80	--	
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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.227	0.200	--	0.725	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-02
 Client ID : IA-203
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747489
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:10
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 21:31
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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	0.234	0.200	--	0.882	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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-02
 Client ID : IA-203
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747489
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:10
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 21:31
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-03
 Client ID : IA-202
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747490
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:26
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:10
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.716	0.200	--	3.54	0.989	--	
74-87-3	Chloromethane	0.773	0.200	--	1.60	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	227	5.00	--	428	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.3	1.00	--	29.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.270	0.200	--	1.52	1.12	--	
67-63-0	Isopropanol	23.5	1.00	--	57.8	2.46	--	
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
141-78-6	Ethyl Acetate	1.22	0.500	--	4.40	1.80	--	
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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.228	0.200	--	0.728	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-03
 Client ID : IA-202
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747490
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:26
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:10
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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	0.234	0.200	--	0.882	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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-03
 Client ID : IA-202
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747490
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:26
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:10
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-04
 Client ID : IA-201
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747491
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:32
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:48
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.739	0.200	--	3.65	0.989	--	
74-87-3	Chloromethane	0.752	0.200	--	1.55	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	178	5.00	--	335	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	17.6	1.00	--	41.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.302	0.200	--	1.70	1.12	--	
67-63-0	Isopropanol	20.6	1.00	--	50.6	2.46	--	
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	0.242	0.200	--	1.85	1.53	--	
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
141-78-6	Ethyl Acetate	1.16	0.500	--	4.18	1.80	--	
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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.214	0.200	--	0.684	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-04
 Client ID : IA-201
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747491
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:32
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:48
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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	0.260	0.200	--	0.980	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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-04
 Client ID : IA-201
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747491
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:32
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:48
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-05
 Client ID : IA-7
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747492
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:55
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 23:26
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.877	0.200	--	4.34	0.989	--	
74-87-3	Chloromethane	0.774	0.200	--	1.60	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	39.8	5.00	--	75.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	8.56	1.00	--	20.3	2.38	--	
75-69-4	Trichlorofluoromethane	0.244	0.200	--	1.37	1.12	--	
67-63-0	Isopropanol	3.24	1.00	--	7.96	2.46	--	
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
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
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
71-43-2	Benzene	0.212	0.200	--	0.677	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-05
 Client ID : IA-7
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747492
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:55
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 23:26
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-05
 Client ID : IA-7
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747492
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:55
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 23:26
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-06
 Client ID : IAQ-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747488
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:52
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:53
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.631	0.200	--	3.12	0.989	--	
74-87-3	Chloromethane	0.753	0.200	--	1.55	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	496	5.00	--	935	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3540	1.00	--	8410	2.38	--	E
75-69-4	Trichlorofluoromethane	0.267	0.200	--	1.50	1.12	--	
67-63-0	Isopropanol	1060	1.00	--	2610	2.46	--	E
75-65-0	Tertiary butyl Alcohol	1.08	0.500	--	3.27	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	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	0.642	0.500	--	1.89	1.47	--	
141-78-6	Ethyl Acetate	684	0.500	--	2460	1.80	--	E
67-66-3	Chloroform	0.382	0.200	--	1.87	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.241	0.200	--	0.770	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-06
 Client ID : IAQ-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747488
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:52
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:53
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.282	0.200	--	1.16	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	13.3	0.200	--	50.1	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
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
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.241	0.200	--	1.05	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	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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-06
 Client ID : IAQ-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747488
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:52
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:53
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-06D
 Client ID : IAQ-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747510
 Sample Amount : 2.74 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:52
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 11:19
 Dilution Factor : 91.24
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-64-1	Acetone	20700	91.2	--	49200	217	--	
67-63-0	Isopropanol	1350	91.2	--	3320	224	--	
141-78-6	Ethyl Acetate	589	45.6	--	2120	164	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : L2509499-07
Client ID : IA-11
Sample Location : FAR ROCKAWAY, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747493
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 18:26
Date Received : 02/20/25
Date Analyzed : 03/07/25 00:04
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.792	0.200	--	3.92	0.989	--	
74-87-3	Chloromethane	0.776	0.200	--	1.60	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	222	5.00	--	418	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1210	1.00	--	2870	2.38	--	E
75-69-4	Trichlorofluoromethane	0.247	0.200	--	1.39	1.12	--	
67-63-0	Isopropanol	133	1.00	--	327	2.46	--	
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
141-78-6	Ethyl Acetate	56.8	0.500	--	205	1.80	--	
67-66-3	Chloroform	0.265	0.200	--	1.29	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	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	0.396	0.200	--	1.27	0.639	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-07
 Client ID : IA-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747493
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:26
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:04
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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	1.04	0.200	--	3.92	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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-07
 Client ID : IA-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747493
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:26
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:04
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-07D
 Client ID : IA-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747506
 Sample Amount : 25.0 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:26
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 08:57
 Dilution Factor : 10
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-64-1	Acetone	2590	10.0	--	6150	23.8	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-08
 Client ID : IA-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747494
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:42
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.658	0.200	--	3.25	0.989	--	
74-87-3	Chloromethane	0.712	0.200	--	1.47	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	103	5.00	--	194	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	24.6	1.00	--	58.4	2.38	--	
75-69-4	Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--	
67-63-0	Isopropanol	4.50	1.00	--	11.1	2.46	--	
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
141-78-6	Ethyl Acetate	0.739	0.500	--	2.66	1.80	--	
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	0.203	0.200	--	0.715	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : L2509499-08
Client ID : IA-9
Sample Location : FAR ROCKAWAY, NY
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747494
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 18:24
Date Received : 02/20/25
Date Analyzed : 03/07/25 00:42
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-08
 Client ID : IA-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747494
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:42
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-09D
 Client ID : STACK
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747500
 Sample Amount : 100 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:29
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 04:30
 Dilution Factor : 2.5
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	6.09	0.500	--	30.1	2.47	--	
74-87-3	Chloromethane	ND	0.500	--	ND	1.03	--	U
76-14-2	Freon-114	ND	0.500	--	ND	3.49	--	U
75-01-4	Vinyl chloride	ND	0.500	--	ND	1.28	--	U
106-99-0	1,3-Butadiene	ND	0.500	--	ND	1.11	--	U
74-83-9	Bromomethane	ND	0.500	--	ND	1.94	--	U
75-00-3	Chloroethane	ND	0.500	--	ND	1.32	--	U
64-17-5	Ethanol	166	12.5	--	313	23.6	--	
593-60-2	Vinyl bromide	ND	0.500	--	ND	2.19	--	U
67-64-1	Acetone	1810	2.50	--	4300	5.94	--	E
75-69-4	Trichlorofluoromethane	ND	0.500	--	ND	2.81	--	U
67-63-0	Isopropanol	230	2.50	--	565	6.15	--	
75-35-4	1,1-Dichloroethene	ND	0.500	--	ND	1.98	--	U
75-65-0	Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--	U
75-09-2	Methylene chloride	ND	1.25	--	ND	4.34	--	U
107-05-1	3-Chloropropene	ND	0.500	--	ND	1.57	--	U
75-15-0	Carbon disulfide	ND	0.500	--	ND	1.56	--	U
76-13-1	Freon-113	ND	0.500	--	ND	3.83	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--	U
75-34-3	1,1-Dichloroethane	ND	0.500	--	ND	2.02	--	U
1634-04-4	Methyl tert butyl ether	ND	0.500	--	ND	1.80	--	U
78-93-3	2-Butanone	ND	1.25	--	ND	3.69	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--	U
141-78-6	Ethyl Acetate	41.8	1.25	--	151	4.50	--	
67-66-3	Chloroform	3.03	0.500	--	14.8	2.44	--	
109-99-9	Tetrahydrofuran	ND	1.25	--	ND	3.69	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-09D
 Client ID : STACK
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747500
 Sample Amount : 100 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:29
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 04:30
 Dilution Factor : 2.5
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.500	--	ND	2.02	--	U
110-54-3	n-Hexane	2.94	0.500	--	10.4	1.76	--	
71-55-6	1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--	U
71-43-2	Benzene	2.66	0.500	--	8.50	1.60	--	
56-23-5	Carbon tetrachloride	ND	0.500	--	ND	3.15	--	U
110-82-7	Cyclohexane	0.785	0.500	--	2.70	1.72	--	
78-87-5	1,2-Dichloropropane	ND	0.500	--	ND	2.31	--	U
75-27-4	Bromodichloromethane	ND	0.500	--	ND	3.35	--	U
123-91-1	1,4-Dioxane	ND	0.500	--	ND	1.80	--	U
79-01-6	Trichloroethene	ND	0.500	--	ND	2.69	--	U
540-84-1	2,2,4-Trimethylpentane	0.958	0.500	--	4.47	2.34	--	
142-82-5	Heptane	ND	0.500	--	ND	2.05	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--	U
108-88-3	Toluene	12.1	0.500	--	45.6	1.88	--	
591-78-6	2-Hexanone	ND	0.500	--	ND	2.05	--	U
124-48-1	Dibromochloromethane	ND	0.500	--	ND	4.26	--	U
106-93-4	1,2-Dibromoethane	ND	0.500	--	ND	3.84	--	U
127-18-4	Tetrachloroethene	6.77	0.500	--	45.9	3.39	--	
108-90-7	Chlorobenzene	ND	0.500	--	ND	2.30	--	U
100-41-4	Ethylbenzene	5.26	0.500	--	22.8	2.17	--	
179601-23-1	p/m-Xylene	20.8	1.00	--	90.3	4.34	--	
75-25-2	Bromoform	ND	0.500	--	ND	5.17	--	U
100-42-5	Styrene	ND	0.500	--	ND	2.13	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-09D
 Client ID : STACK
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747500
 Sample Amount : 100 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:29
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 04:30
 Dilution Factor : 2.5
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.500	--	ND	3.43	--	U
95-47-6	o-Xylene	11.7	0.500	--	50.8	2.17	--	
622-96-8	4-Ethyltoluene	3.88	0.500	--	19.1	2.46	--	
108-67-8	1,3,5-Trimethylbenzene	5.62	0.500	--	27.6	2.46	--	
95-63-6	1,2,4-Trimethylbenzene	18.5	0.500	--	90.9	2.46	--	
100-44-7	Benzyl chloride	ND	0.500	--	ND	2.59	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--	U
91-20-3	Naphthalene	ND	0.475	--	ND	2.49	--	U
87-68-3	Hexachlorobutadiene	ND	0.500	--	ND	5.33	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-09D2
 Client ID : STACK
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747508
 Sample Amount : 25.0 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:29
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 10:08
 Dilution Factor : 10
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-64-1	Acetone	2750	10.0	--	6530	23.8	--	



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : L2509499-10D
Client ID : SV-103
Sample Location : FAR ROCKAWAY, NY
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1747501
Sample Amount : 0.230 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 09:03
Date Received : 02/20/25
Date Analyzed : 03/07/25 05:06
Dilution Factor : 1087
Analyst : TPH
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	217	--	ND	1070	--	U
74-87-3	Chloromethane	ND	217	--	ND	448.	--	U
76-14-2	Freon-114	ND	217	--	ND	1520	--	U
75-01-4	Vinyl chloride	ND	217	--	ND	555.	--	U
106-99-0	1,3-Butadiene	ND	217	--	ND	480.	--	U
74-83-9	Bromomethane	ND	217	--	ND	843.	--	U
75-00-3	Chloroethane	ND	217	--	ND	573.	--	U
64-17-5	Ethanol	ND	5440	--	ND	10300	--	U
593-60-2	Vinyl bromide	ND	217	--	ND	949.	--	U
67-64-1	Acetone	ND	1090	--	ND	2590	--	U
75-69-4	Trichlorofluoromethane	ND	217	--	ND	1220	--	U
67-63-0	Isopropanol	1230	1090	--	3020	2680	--	
75-35-4	1,1-Dichloroethene	ND	217	--	ND	860.	--	U
75-65-0	Tertiary butyl Alcohol	ND	544	--	ND	1650	--	U
75-09-2	Methylene chloride	ND	544	--	ND	1890	--	U
107-05-1	3-Chloropropene	ND	217	--	ND	679.	--	U
75-15-0	Carbon disulfide	ND	217	--	ND	676.	--	U
76-13-1	Freon-113	ND	217	--	ND	1660	--	U
156-60-5	trans-1,2-Dichloroethene	ND	217	--	ND	860	--	U
75-34-3	1,1-Dichloroethane	ND	217	--	ND	878.	--	U
1634-04-4	Methyl tert butyl ether	ND	217	--	ND	782.	--	U
78-93-3	2-Butanone	ND	544	--	ND	1600	--	U
156-59-2	cis-1,2-Dichloroethene	ND	217	--	ND	860.	--	U
141-78-6	Ethyl Acetate	ND	544	--	ND	1960	--	U
67-66-3	Chloroform	ND	217	--	ND	1060	--	U
109-99-9	Tetrahydrofuran	ND	544	--	ND	1600	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-10D
 Client ID : SV-103
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747501
 Sample Amount : 0.230 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 09:03
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 05:06
 Dilution Factor : 1087
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	217	--	ND	878.	--	U
110-54-3	n-Hexane	ND	217	--	ND	765	--	U
71-55-6	1,1,1-Trichloroethane	ND	217	--	ND	1180	--	U
71-43-2	Benzene	ND	217	--	ND	693.	--	U
56-23-5	Carbon tetrachloride	ND	217	--	ND	1370	--	U
110-82-7	Cyclohexane	ND	217	--	ND	747.	--	U
78-87-5	1,2-Dichloropropane	ND	217	--	ND	1000	--	U
75-27-4	Bromodichloromethane	ND	217	--	ND	1450	--	U
123-91-1	1,4-Dioxane	ND	217	--	ND	782.	--	U
79-01-6	Trichloroethene	217	217	--	1170	1170	--	
540-84-1	2,2,4-Trimethylpentane	ND	217	--	ND	1010	--	U
142-82-5	Heptane	ND	217	--	ND	889.	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	217	--	ND	985.	--	U
108-10-1	4-Methyl-2-pentanone	ND	544	--	ND	2230	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	217	--	ND	985.	--	U
79-00-5	1,1,2-Trichloroethane	ND	217	--	ND	1180	--	U
108-88-3	Toluene	ND	217	--	ND	818.	--	U
591-78-6	2-Hexanone	ND	217	--	ND	889.	--	U
124-48-1	Dibromochloromethane	ND	217	--	ND	1850	--	U
106-93-4	1,2-Dibromoethane	ND	217	--	ND	1670	--	U
127-18-4	Tetrachloroethene	58300	217	--	395000	1470	--	
108-90-7	Chlorobenzene	ND	217	--	ND	999.	--	U
100-41-4	Ethylbenzene	ND	217	--	ND	943.	--	U
179601-23-1	p/m-Xylene	ND	435	--	ND	1890	--	U
75-25-2	Bromoform	ND	217	--	ND	2240	--	U
100-42-5	Styrene	ND	217	--	ND	924.	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-10D
 Client ID : SV-103
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747501
 Sample Amount : 0.230 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 09:03
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 05:06
 Dilution Factor : 1087
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	217	--	ND	1490	--	U
95-47-6	o-Xylene	ND	217	--	ND	943.	--	U
622-96-8	4-Ethyltoluene	ND	217	--	ND	1070	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	217	--	ND	1070	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	217	--	ND	1070	--	U
100-44-7	Benzyl chloride	ND	217	--	ND	1120	--	U
541-73-1	1,3-Dichlorobenzene	ND	217	--	ND	1300	--	U
106-46-7	1,4-Dichlorobenzene	ND	217	--	ND	1300	--	U
95-50-1	1,2-Dichlorobenzene	ND	217	--	ND	1300	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	217	--	ND	1610	--	U
91-20-3	Naphthalene	ND	206	--	ND	1080	--	U
87-68-3	Hexachlorobutadiene	ND	217	--	ND	2310	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-11
 Client ID : SV-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747502
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:02
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 05:44
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	1.49	0.200	--	7.37	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	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	3.11	1.00	--	7.39	2.38	--	
75-69-4	Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--	
67-63-0	Isopropanol	2.87	1.00	--	7.05	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	0.576	0.500	--	1.70	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
67-66-3	Chloroform	0.409	0.200	--	2.00	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-11
 Client ID : SV-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747502
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:02
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 05:44
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.787	0.200	--	2.77	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.469	0.200	--	1.50	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	1.89	0.200	--	7.12	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	10.4	0.200	--	70.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.453	0.200	--	1.97	0.869	--	
179601-23-1	p/m-Xylene	2.23	0.400	--	9.69	1.74	--	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-11
 Client ID : SV-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747502
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:02
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 05:44
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.534	0.200	--	2.32	0.869	--	
622-96-8	4-Ethyltoluene	0.248	0.200	--	1.22	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	1.11	0.200	--	5.46	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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-12
 Client ID : SV-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747503
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:44
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 06:23
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	6.60	0.200	--	32.6	0.989	--	
74-87-3	Chloromethane	0.558	0.200	--	1.15	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	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	30.2	5.00	--	56.9	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	607	1.00	--	1440	2.38	--	E
75-69-4	Trichlorofluoromethane	0.303	0.200	--	1.70	1.12	--	
67-63-0	Isopropanol	10.4	1.00	--	25.6	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	1.18	0.200	--	3.67	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	1.11	0.500	--	3.27	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	6.75	0.500	--	24.3	1.80	--	
67-66-3	Chloroform	1.56	0.200	--	7.62	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-12
 Client ID : SV-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747503
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:44
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 06:23
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	1.01	0.200	--	3.56	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.746	0.200	--	2.38	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	0.269	0.200	--	1.45	1.07	--	
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	0.897	0.200	--	3.68	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	3.43	0.200	--	12.9	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	25.3	0.200	--	172	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.621	0.200	--	2.70	0.869	--	
179601-23-1	p/m-Xylene	2.39	0.400	--	10.4	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.24	0.200	--	5.28	0.852	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-12
 Client ID : SV-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747503
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:44
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 06:23
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.670	0.200	--	2.91	0.869	--	
622-96-8	4-Ethyltoluene	0.256	0.200	--	1.26	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.211	0.200	--	1.04	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.02	0.200	--	5.01	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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-12D
 Client ID : SV-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747509
 Sample Amount : 50.0 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 11:44
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 10:43
 Dilution Factor : 5
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-64-1	Acetone	725	5.00	--	1720	11.9	--	



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-13
 Client ID : SV-204
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747504
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 12:31
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 07:02
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.640	0.200	--	3.16	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	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	5.54	5.00	--	10.4	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.39	1.00	--	10.4	2.38	--	
75-69-4	Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--	
67-63-0	Isopropanol	1.84	1.00	--	4.52	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	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	2.22	0.200	--	10.8	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : L2509499-13
Client ID : SV-204
Sample Location : FAR ROCKAWAY, NY
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15
Lab File ID : R1747504
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 12:31
Date Received : 02/20/25
Date Analyzed : 03/07/25 07:02
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
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	0.240	0.200	--	0.846	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.208	0.200	--	0.664	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	0.785	0.200	--	2.96	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	10.4	0.200	--	70.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.205	0.200	--	0.890	0.869	--	
179601-23-1	p/m-Xylene	0.871	0.400	--	3.78	1.74	--	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-13
 Client ID : SV-204
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747504
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 12:31
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 07:02
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.241	0.200	--	1.05	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	0.464	0.200	--	2.28	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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-14
 Client ID : SV-10
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747505
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 13:27
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 07:40
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	2.02	0.200	--	9.99	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	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	0.210	0.200	--	0.554	0.528	--	
64-17-5	Ethanol	8.33	5.00	--	15.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	40.4	1.00	--	96.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.234	0.200	--	1.31	1.12	--	
67-63-0	Isopropanol	3.23	1.00	--	7.94	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	1.42	0.200	--	4.42	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	0.591	0.500	--	1.74	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	1.28	0.500	--	4.61	1.80	--	
67-66-3	Chloroform	1.67	0.200	--	8.16	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-14
 Client ID : SV-10
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747505
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 13:27
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 07:40
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.461	0.200	--	1.62	0.705	--	
71-55-6	1,1,1-Trichloroethane	0.271	0.200	--	1.48	1.09	--	
71-43-2	Benzene	0.736	0.200	--	2.35	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	0.409	0.200	--	2.20	1.07	--	
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	3.00	0.200	--	11.3	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	17.8	0.200	--	121	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.725	0.200	--	3.15	0.869	--	
179601-23-1	p/m-Xylene	3.59	0.400	--	15.6	1.74	--	
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-14
 Client ID : SV-10
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15
 Lab File ID : R1747505
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 13:27
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 07:40
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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	0.888	0.200	--	3.86	0.869	--	
622-96-8	4-Ethyltoluene	0.469	0.200	--	2.31	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.259	0.200	--	1.27	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.68	0.200	--	8.26	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 : Stantec
Project Name : BELLE HARBOR
Lab ID : WG2037508-4
Client ID : WG2037508-4BLANK
Sample Location :
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747485
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : NA
Date Received : NA
Date Analyzed : 03/06/25 18:59
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
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 : Stantec
Project Name : BELLE HARBOR
Lab ID : WG2037508-4
Client ID : WG2037508-4BLANK
Sample Location :
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747485
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : NA
Date Received : NA
Date Analyzed : 03/06/25 18:59
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
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 : Stantec
 Project Name : BELLE HARBOR
 Lab ID : WG2037508-4
 Client ID : WG2037508-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747485
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/06/25 18:59
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : WG2037508-5
 Client ID : IA-9DUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747495
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 01:21
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.690	0.200	--	3.41	0.989	--	
74-87-3	Chloromethane	0.738	0.200	--	1.52	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	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	102	5.00	--	192	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	22.4	1.00	--	53.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.249	0.200	--	1.40	1.12	--	
67-63-0	Isopropanol	4.02	1.00	--	9.88	2.46	--	
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
141-78-6	Ethyl Acetate	0.737	0.500	--	2.66	1.80	--	
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	0.204	0.200	--	0.719	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary Form 1 Volatile Organics in Air

Client : Stantec
Project Name : BELLE HARBOR
Lab ID : WG2037508-5
Client ID : IA-9DUP
Sample Location :
Sample Matrix : AIR
Analytical Method : 48,TO-15
Lab File ID : R1747495
Sample Amount : 250 ml

Lab Number : L2509499
Project Number : 195601412
Date Collected : 02/19/25 18:24
Date Received : 02/20/25
Date Analyzed : 03/07/25 01:21
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB17
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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
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
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
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



Results Summary

Form 1

Volatile Organics in Air

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : WG2037508-5
 Client ID : IA-9DUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1747495
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 01:21
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
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\Airlab17\2025\03\0306T\
 Data File : r1747487.D
 Acq On : 6 Mar 2025 8:15 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-01,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:38:41 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.875	49	238741	10.000	ppbV	0.06
Standard Area = 259437			Recovery =		92.02%	
43) 1,4-difluorobenzene	11.090	114	608073	10.000	ppbV	0.06
Standard Area = 706449			Recovery =		86.07%	
67) chlorobenzene-D5	15.842	54	95383	10.000	ppbV	0.05
Standard Area = 106378			Recovery =		89.66%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.910	85	15309	0.642	ppbV	94
6) chloromethane	4.066	50	8495	0.658	ppbV	100
7) Freon-114	4.168		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.990	31	43952	4.894	ppbV #	84
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.500	43	90914m	4.959	ppbV	
21) trichlorofluoromethane	5.683	101	4645	0.220	ppbV	98
22) isopropyl alcohol	5.773	45	21975	0.948	ppbV #	97
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.504	49	2669	0.159	ppbV #	81
29) 3-chloropropene	6.552		0	N.D.		
30) carbon disulfide	6.810		0	N.D.		
31) Freon 113	6.804	101	2298	0.093	ppbV #	86
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	8.217	43	4883	0.157	ppbV #	95
38) Ethyl Acetate	8.983	61	444	0.105	ppbV #	1
39) chloroform	9.025		0	N.D.		
40) Tetrahydrofuran	9.500		0	N.D.		
42) 1,2-dichloroethane	9.858		0	N.D.		
44) hexane	8.950	57	4265	0.217	ppbV #	1
50) benzene	10.663	78	14378	0.337	ppbV	95
53) cyclohexane	10.983	56	1040	0.050	ppbV	87
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747487.D
 Acq On : 6 Mar 2025 8:15 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-01,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:38:41 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.943	57	11422	0.181	ppbV #	93
62) heptane	12.257	43	2488	0.084	ppbV #	76
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	13.000		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	14.050	91	19436	0.358	ppbV	97
72) 2-hexanone	14.283		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.242	91	3937	0.057	ppbV	99
83) m+p-xylene	16.392	91	8890	0.161	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.733		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.825	91	3500	0.063	ppbV	90
96) 4-ethyl toluene	17.875		0	N.D.		
97) 1,3,5-trimethylbenzene	17.975		0	N.D.		
99) 1,2,4-trimethylbenzene	18.325	105	4240m	0.068	ppbV	
101) Benzyl Chloride	18.325		0	N.D.		
102) 1,3-dichlorobenzene	18.508		0	N.D.		
103) 1,4-dichlorobenzene	18.508		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.400		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747487.D

Acq On : 6 Mar 2025 8:15 PM

Operator : AIRLAB17:TPH

Sample : L2509499-01,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

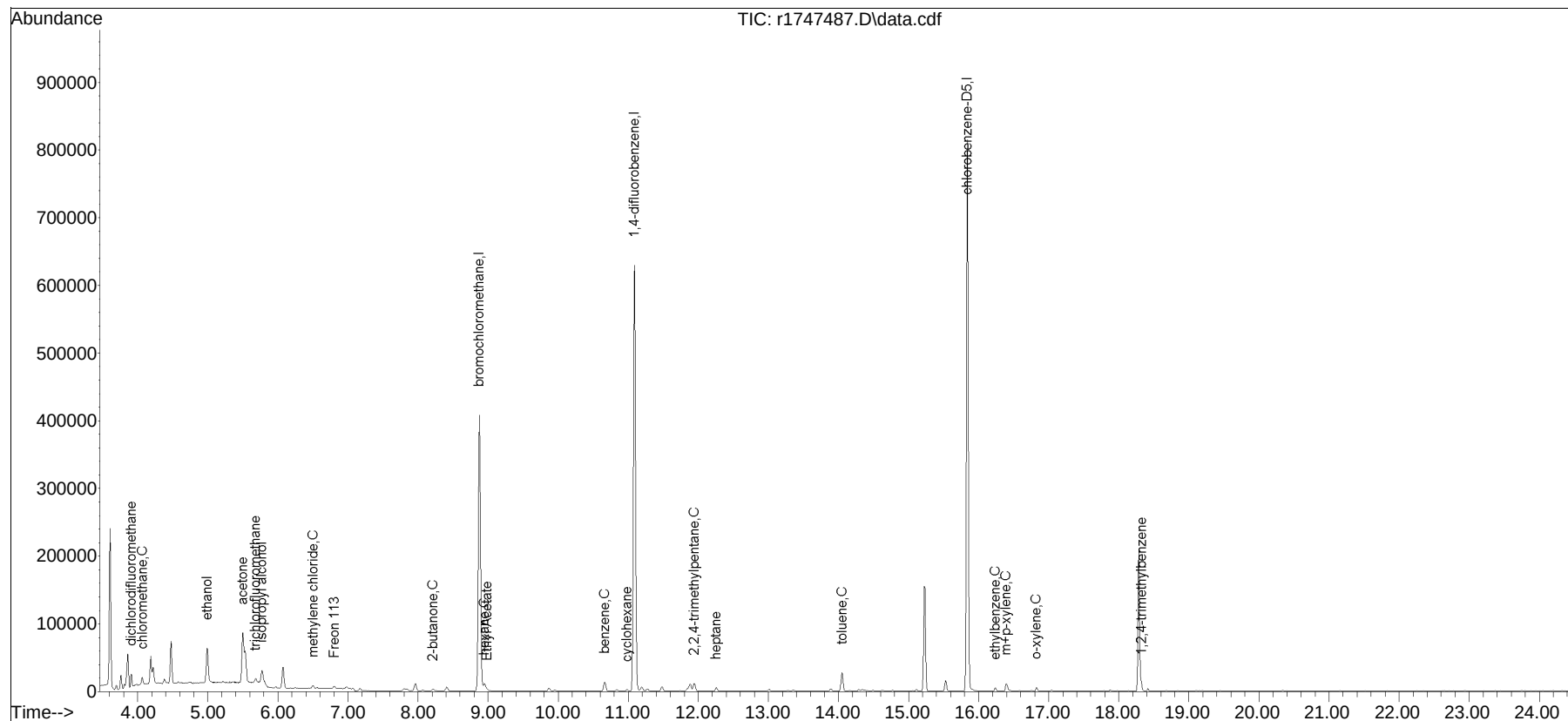
Quant Time: Mar 07 07:38:41 2025

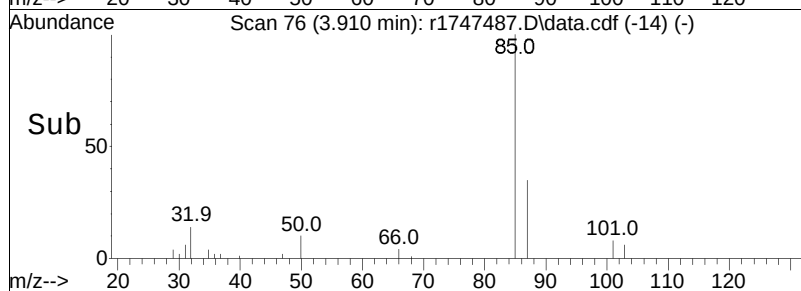
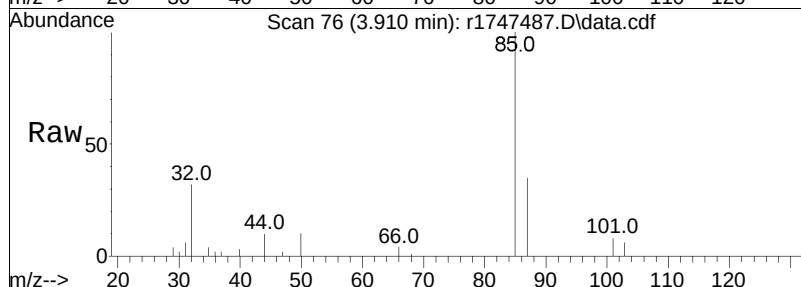
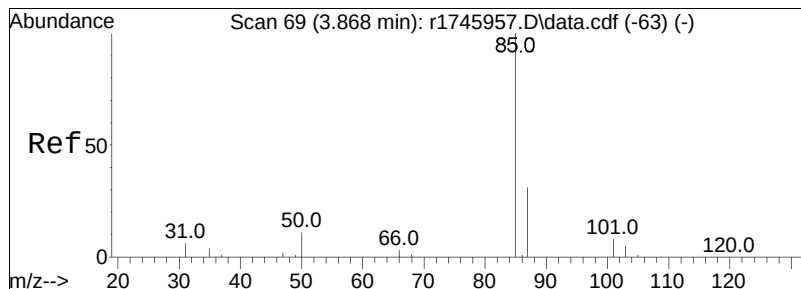
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Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis

QLast Update : Mon Dec 23 13:55:18 2024

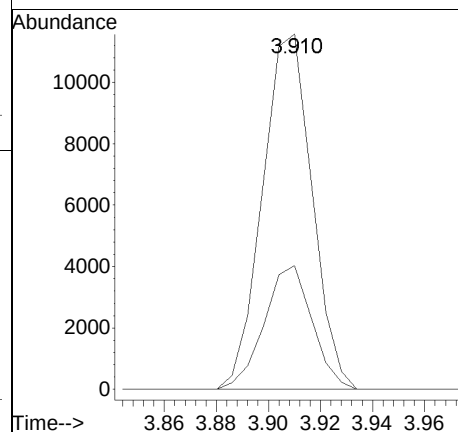
Response via : Initial Calibration

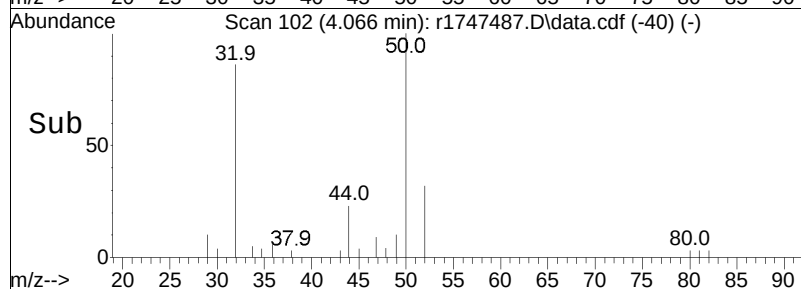
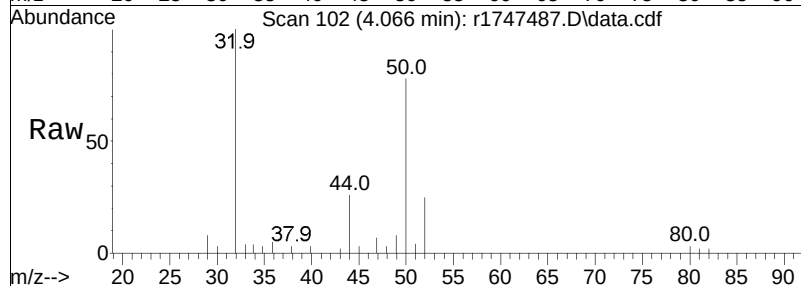
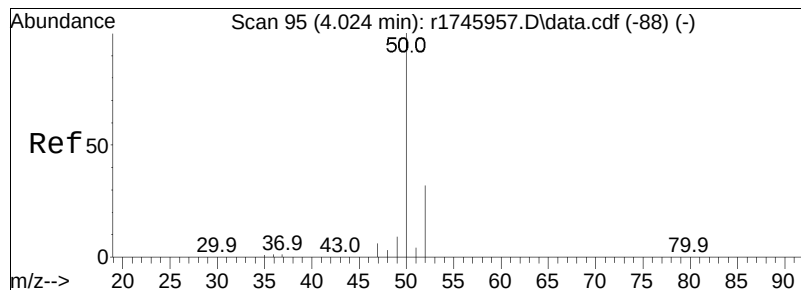




#5
dichlorodifluoromethane
Concen: 0.64 ppbV
RT: 3.910 min Scan# 76
Delta R.T. 0.042 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

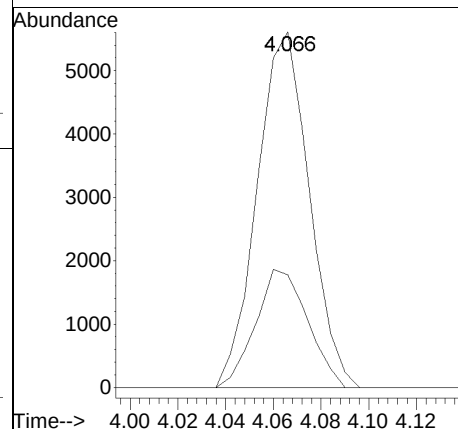
Tgt Ion: 85 Resp: 15309
Ion Ratio Lower Upper
85 100
87 34.8 25.2 37.8

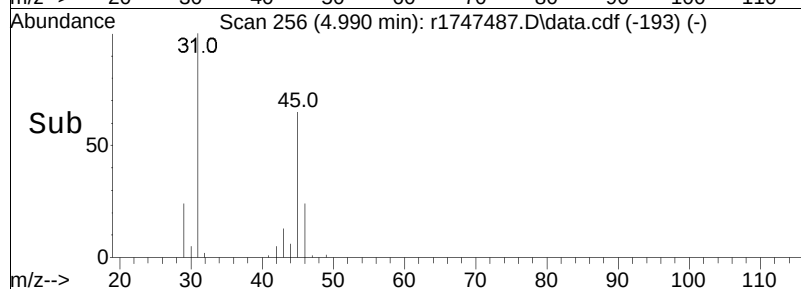
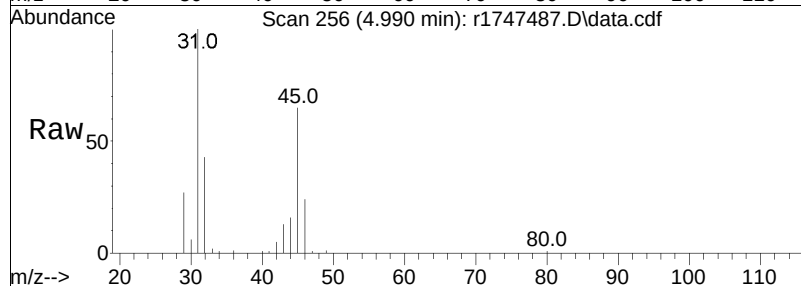
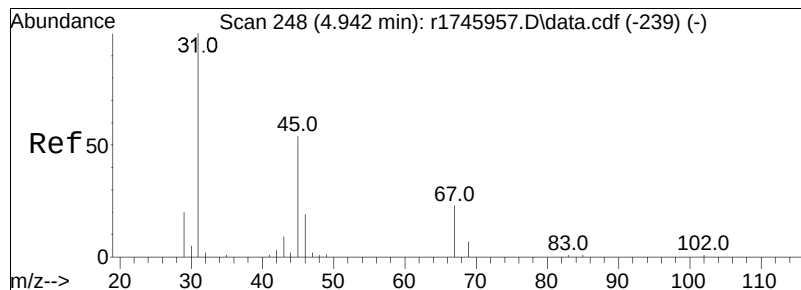




#6
chloromethane
Concen: 0.66 ppbV
RT: 4.066 min Scan# 102
Delta R.T. 0.042 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

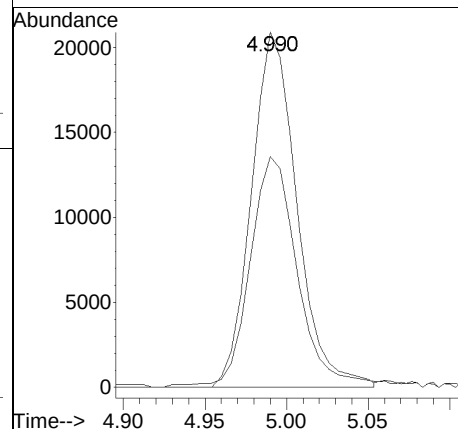
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.4	38.2

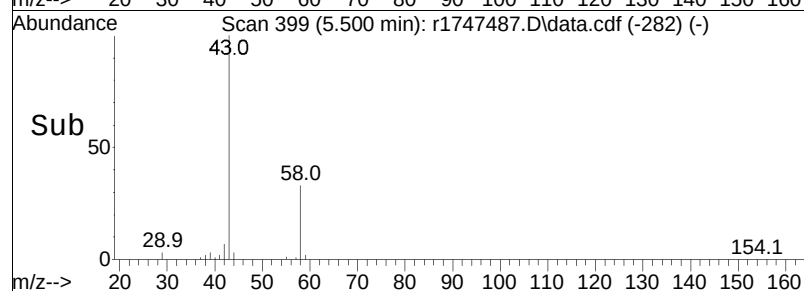
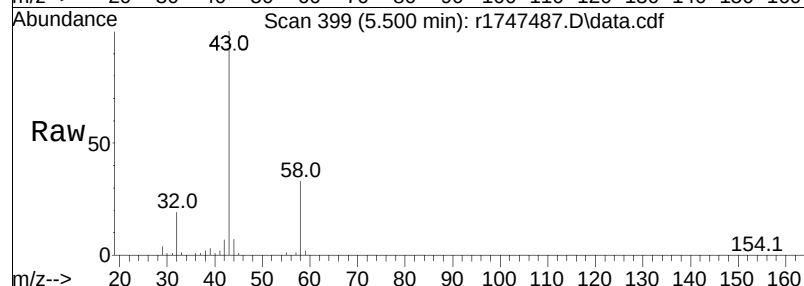
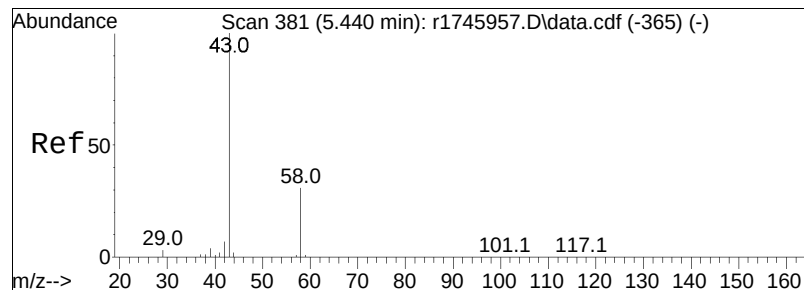




#15
ethanol
Concen: 4.89 ppbV
RT: 4.990 min Scan# 256
Delta R.T. 0.048 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

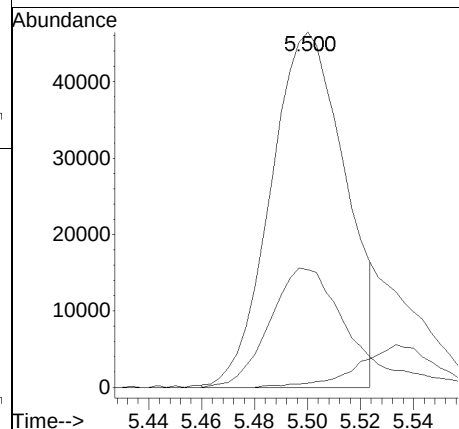
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	64.9	43.0	64.6#	

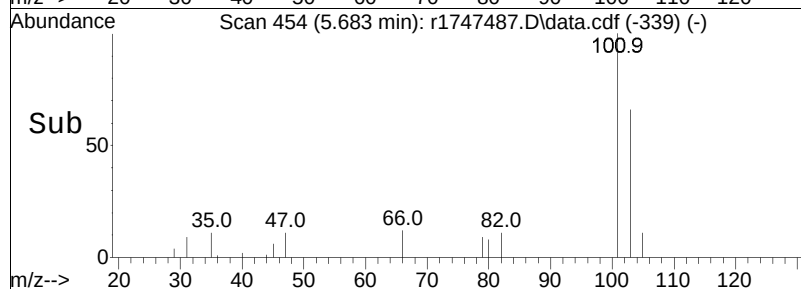
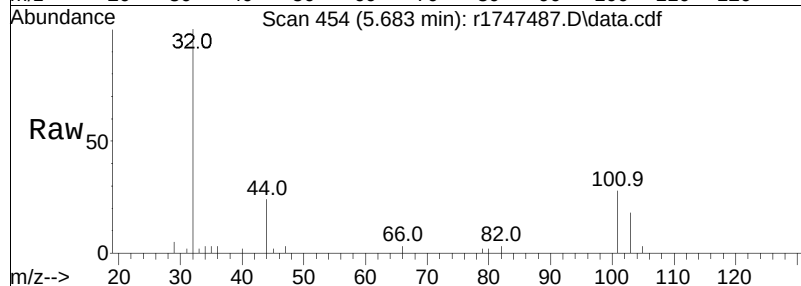
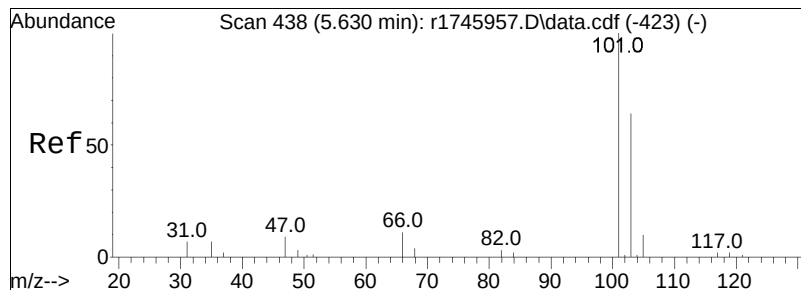




#19
acetone
Concen: 4.96 ppbV m
RT: 5.500 min Scan# 399
Delta R.T. 0.060 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

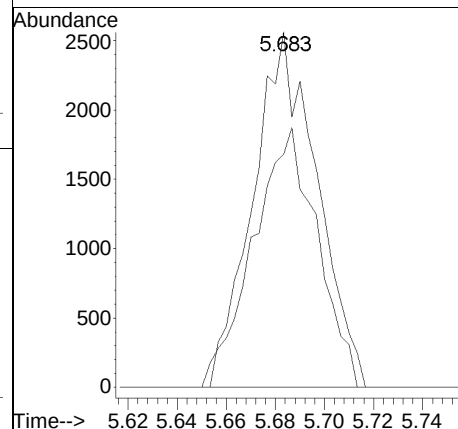
Tgt Ion:	43	58	57	Ratio	Lower	Upper	Resp:
43	100						90914
58	33.1	24.7				37.1	
57	1.2	0.6				0.8#	

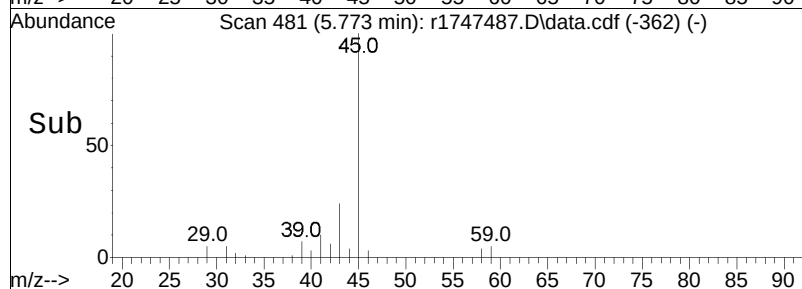
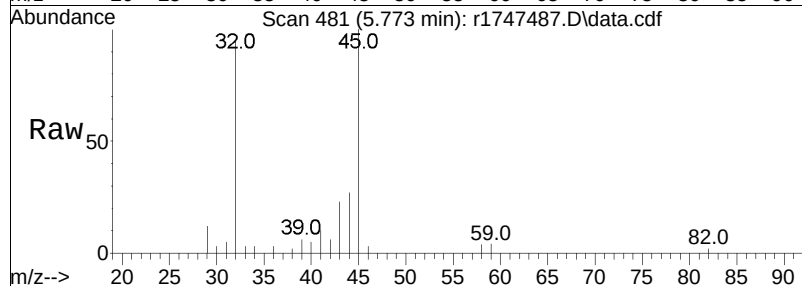
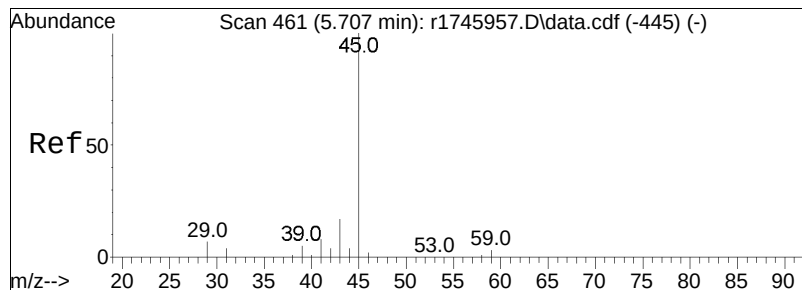




#21
trichlorofluoromethane
Concen: 0.22 ppbV
RT: 5.683 min Scan# 454
Delta R.T. 0.053 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

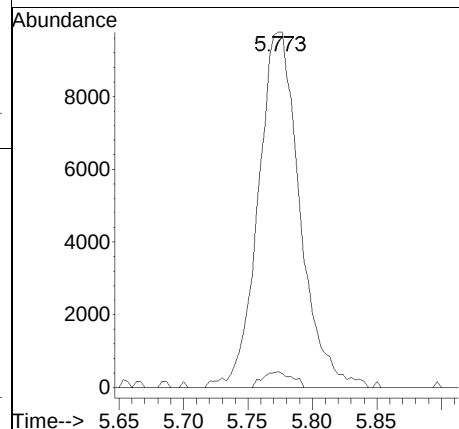
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3

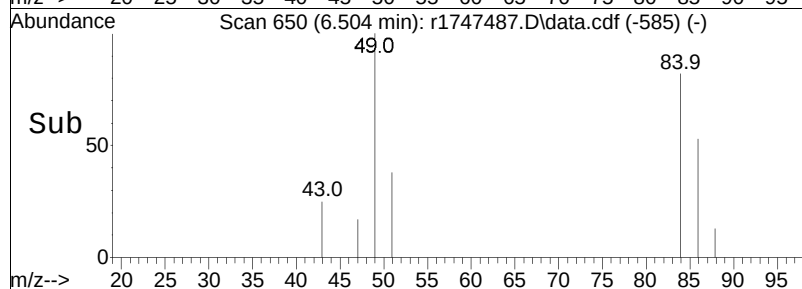
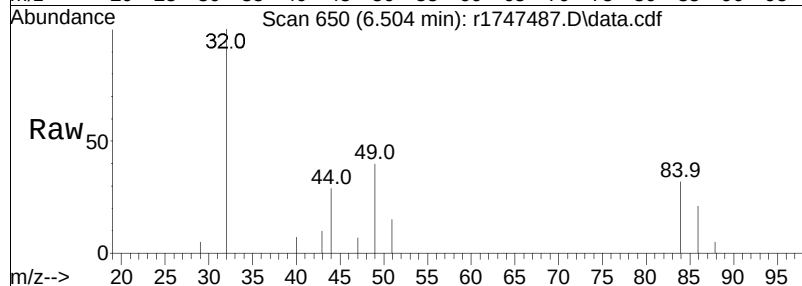
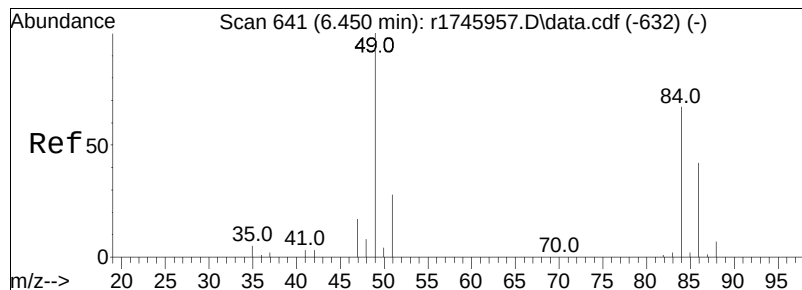




#22
isopropyl alcohol
Concen: 0.95 ppbV
RT: 5.773 min Scan# 481
Delta R.T. 0.067 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

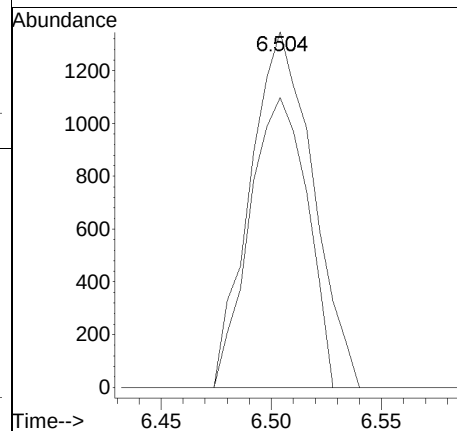
Tgt Ion:	45	59	Ratio	100	4.4	Resp:	21975	Lower	2.6	Upper	4.0#

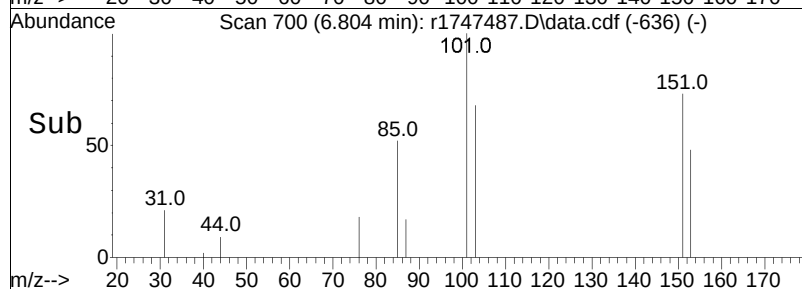
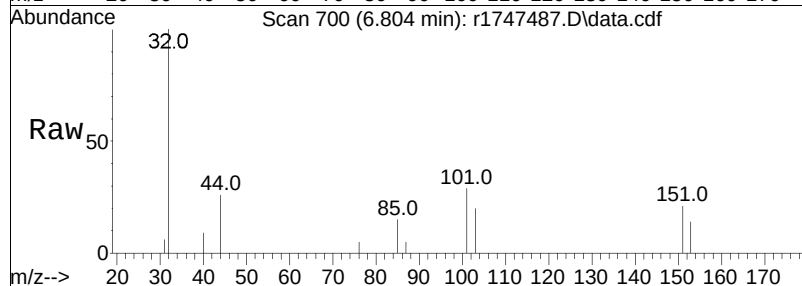
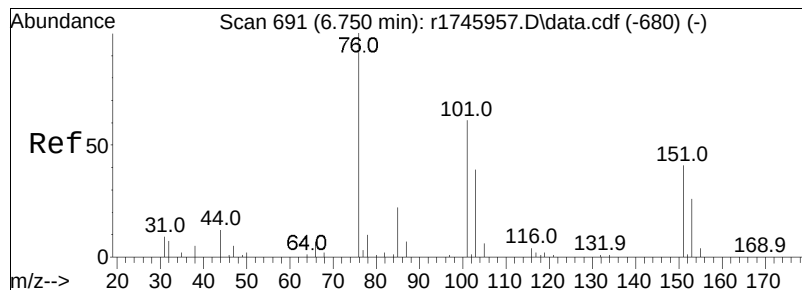




#28
methylene chloride
Concen: 0.16 ppbV
RT: 6.504 min Scan# 650
Delta R.T. 0.054 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

Tgt Ion:	49	84	Ratio	100	81.6	Resp:	2669	Lower	53.4	Upper	80.0#





#31

Freon 113

Concen: 0.09 ppbV

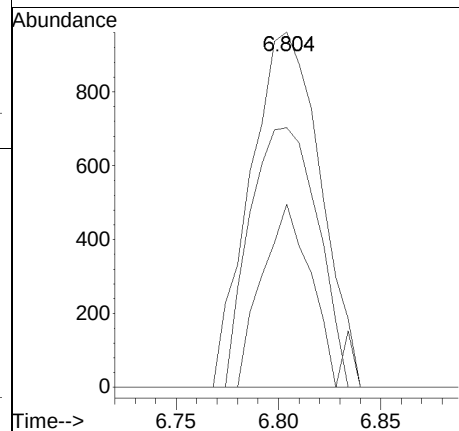
RT: 6.804 min Scan# 700

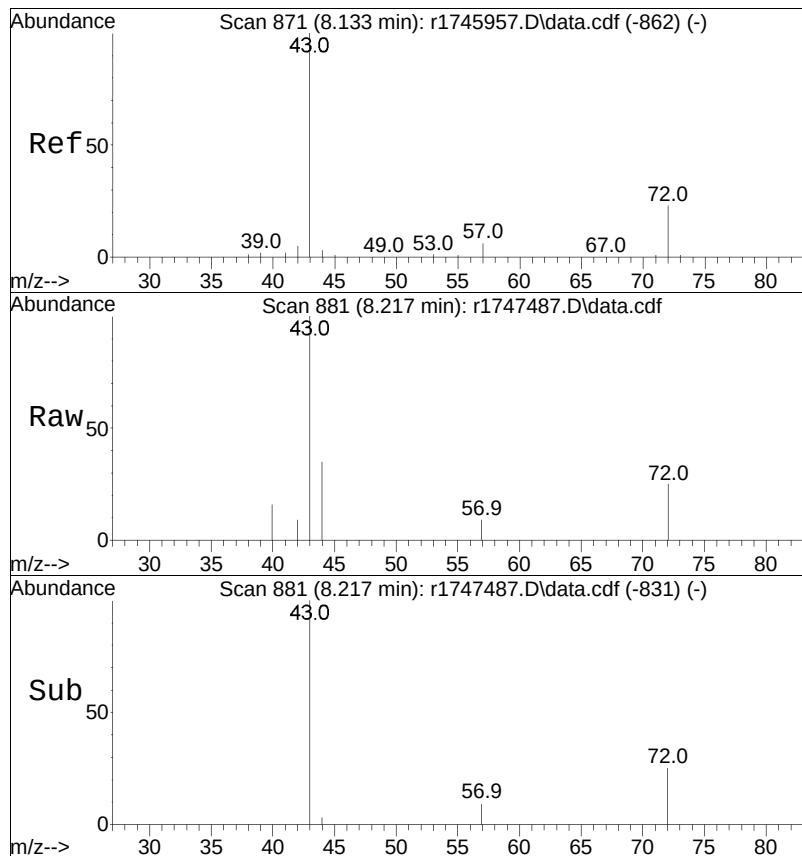
Delta R.T. 0.054 min

Lab File: r1747487.D

Acq: 6 Mar 2025 8:15 PM

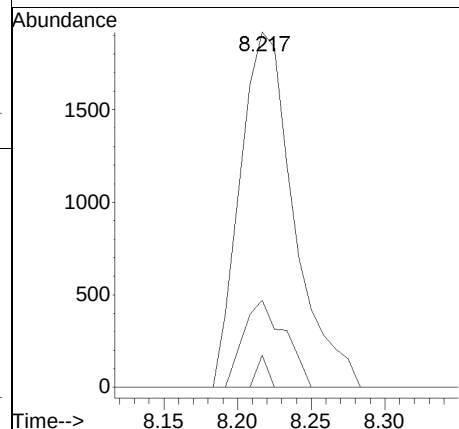
Tgt Ion:	101	Resp:	2298
Ion Ratio	Lower	Upper	
101	100		
85	51.6	29.0	43.4#
151	73.1	53.6	80.4

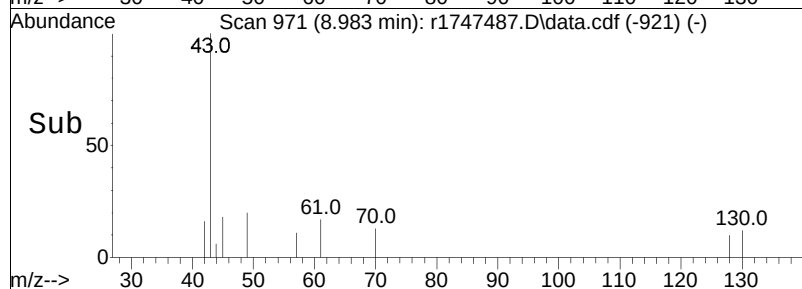
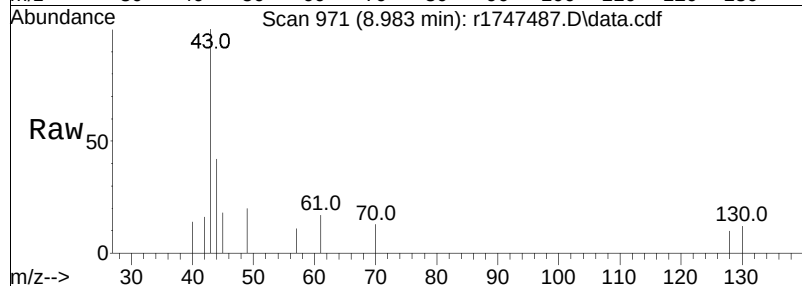
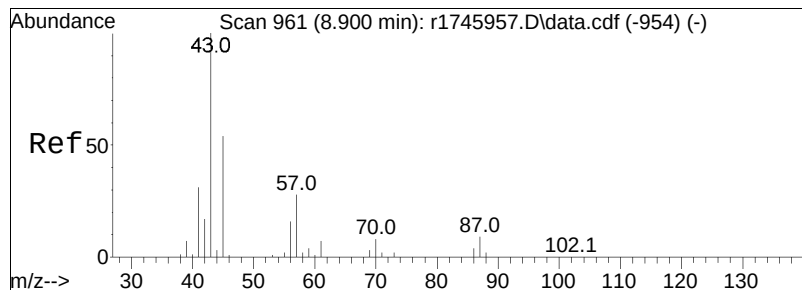




#36
 2-butanone
 Concen: 0.16 ppbV
 RT: 8.217 min Scan# 881
 Delta R.T. 0.083 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

Tgt Ion:	43	Resp:	4883
Ion Ratio	Lower	Upper	
43	100		
72	24.5	18.1	27.1
57	9.1	4.6	6.8#





#38

Ethyl Acetate

Concen: 0.10 ppbV

RT: 8.983 min Scan# 971

Delta R.T. 0.083 min

Lab File: r1747487.D

Acq: 6 Mar 2025 8:15 PM

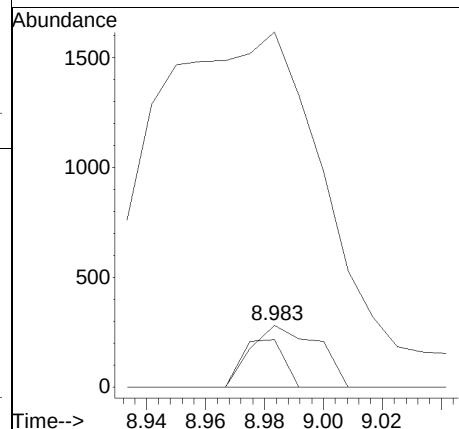
Tgt Ion: 61 Resp: 444

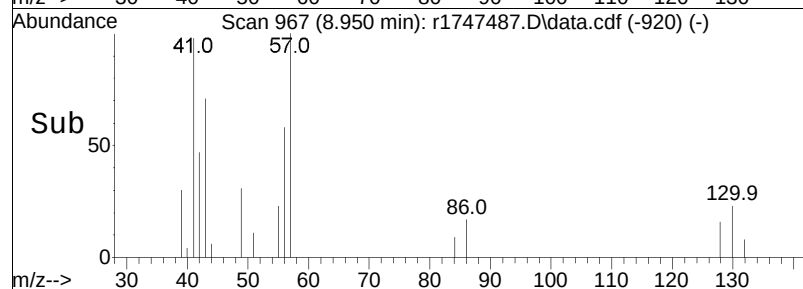
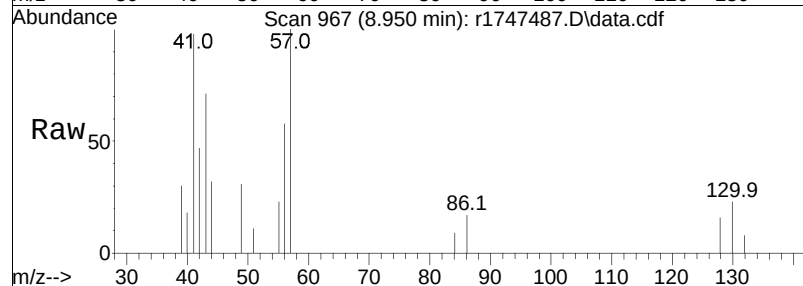
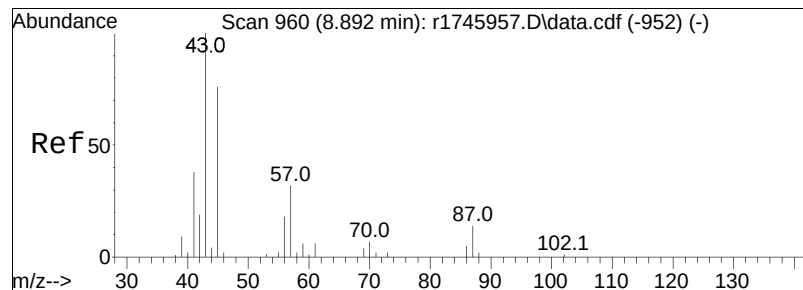
Ion Ratio Lower Upper

61 100

70 77.0 85.8 128.8#

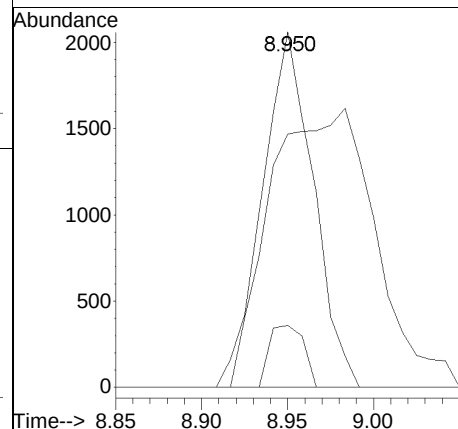
43 573.4 1077.6 1616.4#

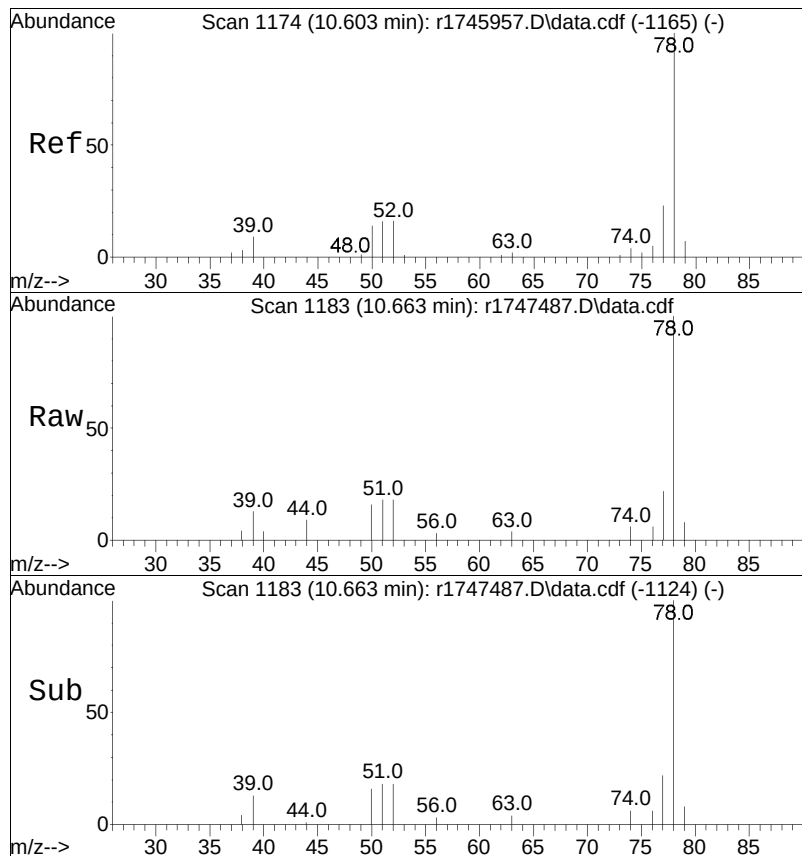




#44
hexane
Concen: 0.22 ppbV
RT: 8.950 min Scan# 967
Delta R.T. 0.058 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

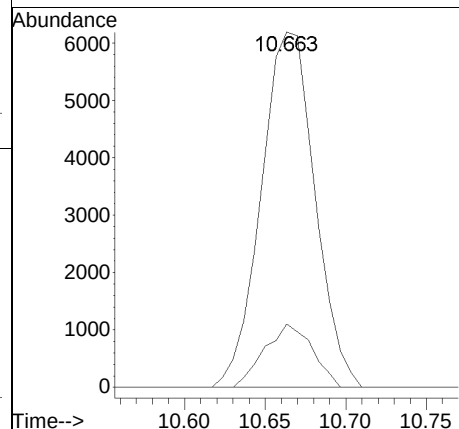
Tgt Ion	Ratio	Lower	Upper
57	100		
43	71.3	247.4	371.0#
86	17.4	12.9	19.3

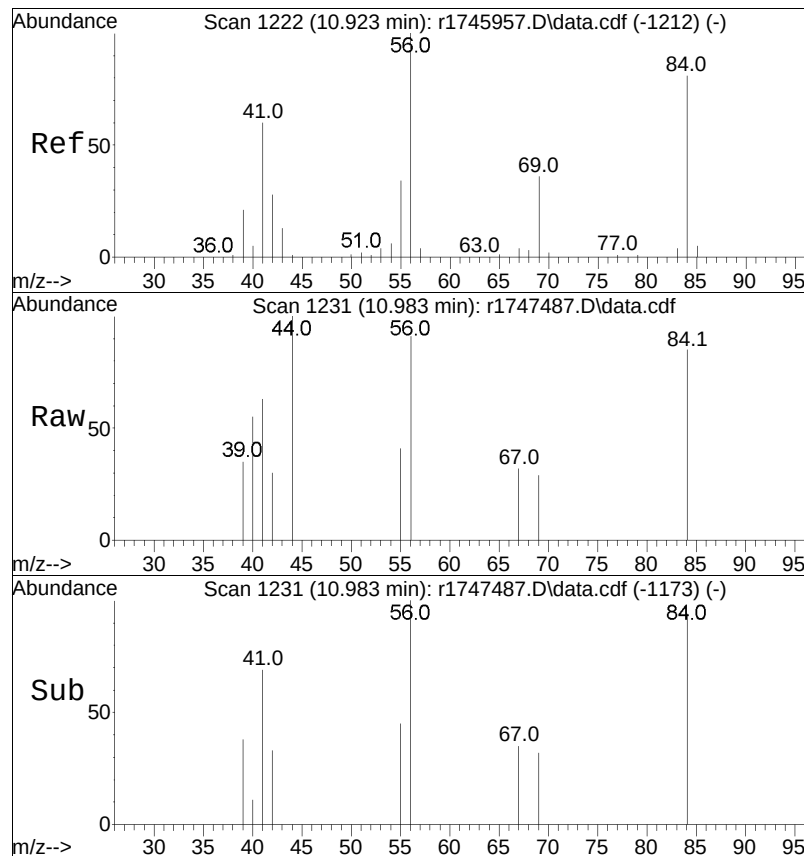




#50
benzene
Concen: 0.34 ppbV
RT: 10.663 min Scan# 1183
Delta R.T. 0.060 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

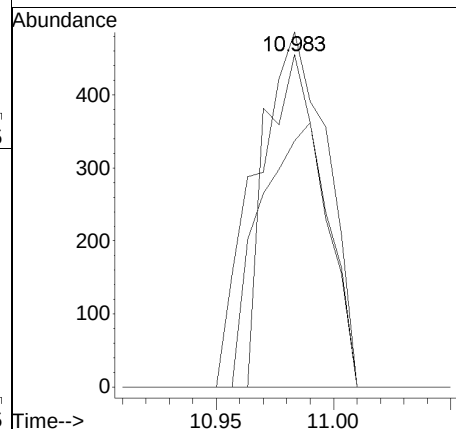
Tgt Ion	Ratio	Lower	Upper
78	100		
52	17.9	12.5	18.7

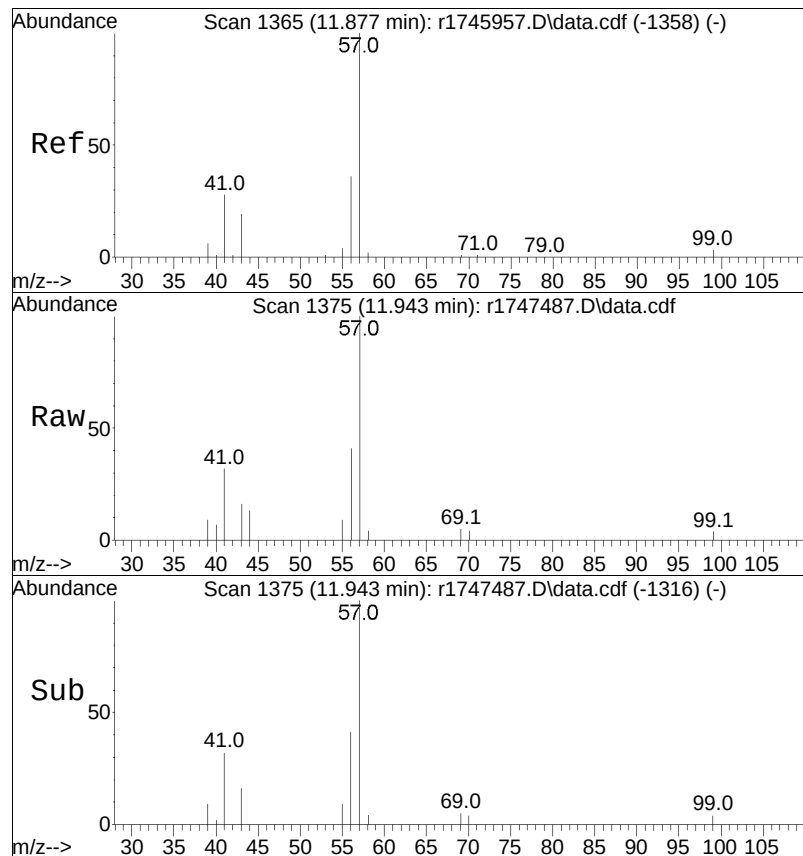




#53
cyclohexane
Concen: 0.05 ppbV
RT: 10.983 min Scan# 1231
Delta R.T. 0.060 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

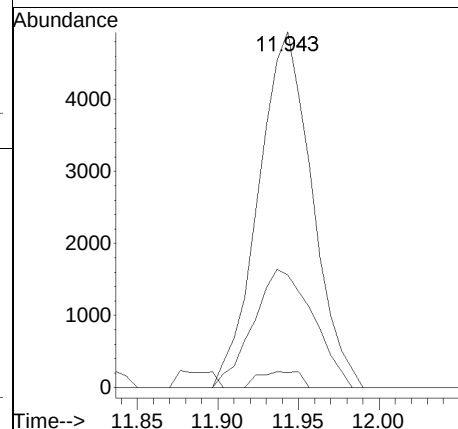
Tgt	Ion: 56	Resp:	1040
Ion	Ratio	Lower	Upper
56	100		
84	93.6	65.4	98.0
41	69.3	48.2	72.4

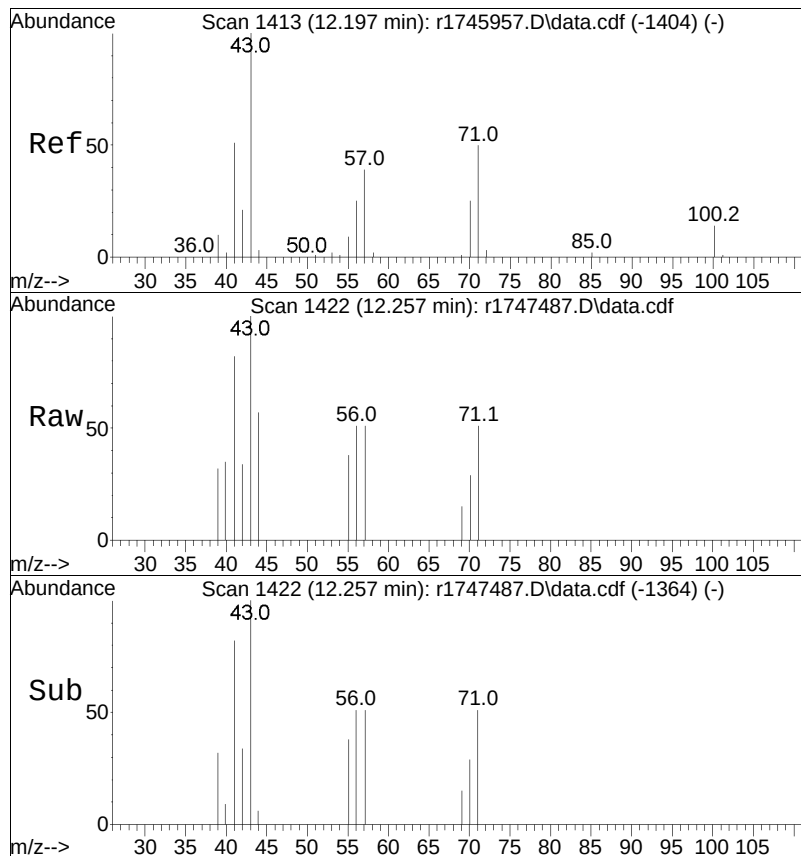




#60
 2,2,4-trimethylpentane
 Concen: 0.18 ppbV
 RT: 11.943 min Scan# 1375
 Delta R.T. 0.067 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

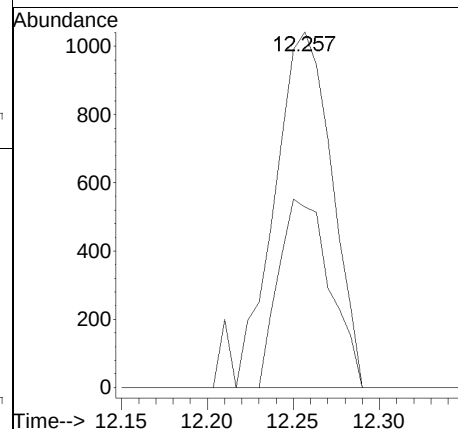
Tgt Ion:	57	Resp:	11422
Ion Ratio	Lower	Upper	
57	100		
99	4.2	4.6	6.8#
41	31.7	22.3	33.5

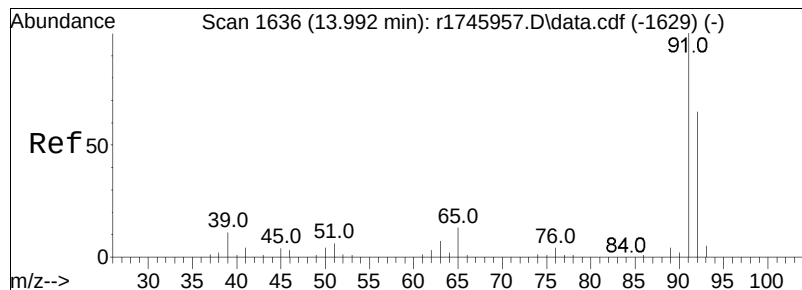




#62
 heptane
 Concen: 0.08 ppbV
 RT: 12.257 min Scan# 1422
 Delta R.T. 0.060 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

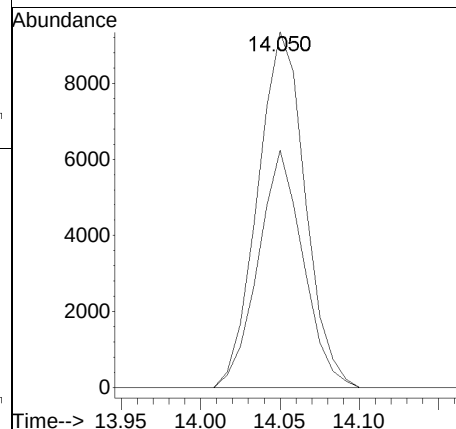
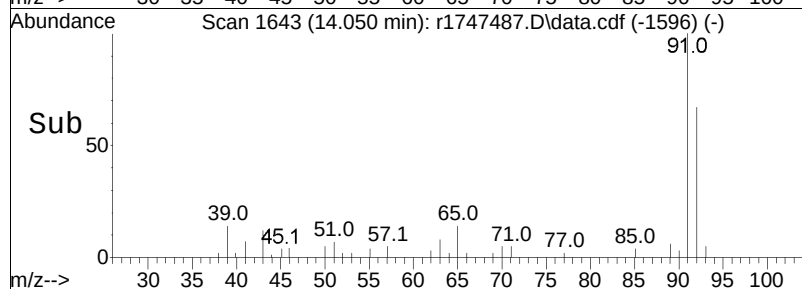
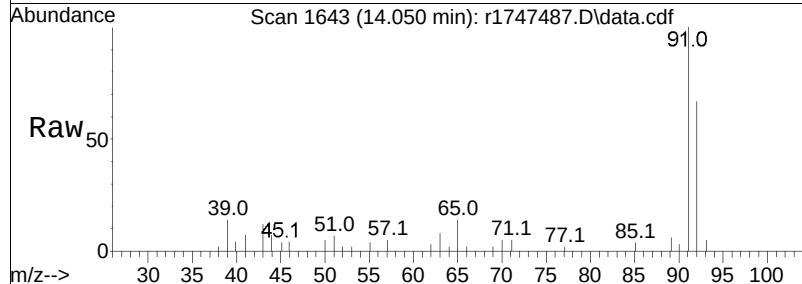
Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.8	31.1	46.7#
100	0.0	11.4	17.2#

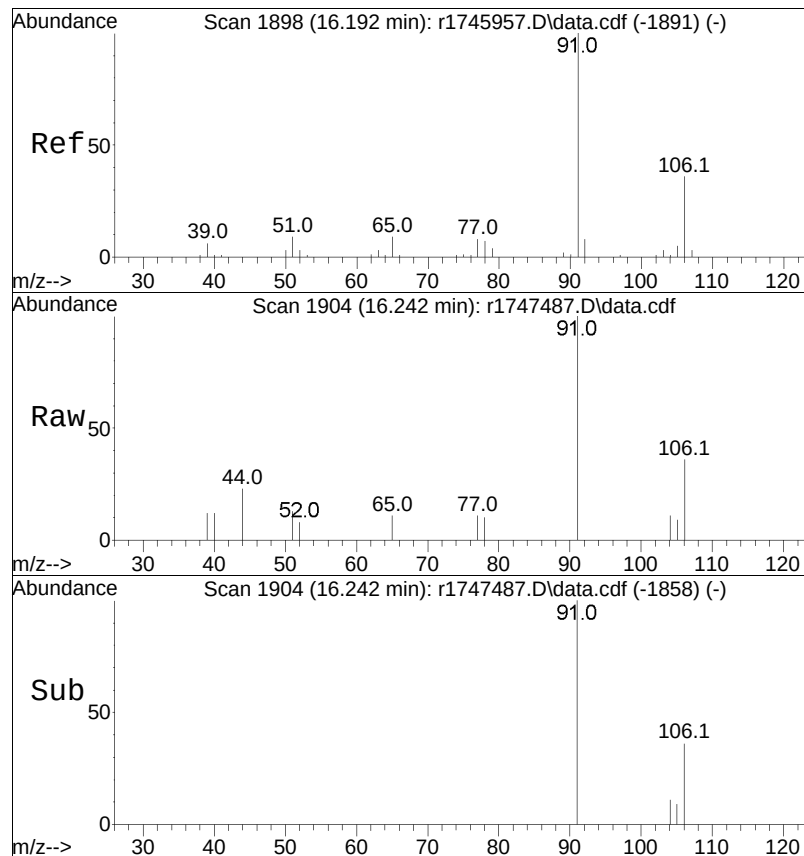




#68
toluene
Concen: 0.36 ppbV
RT: 14.050 min Scan# 1643
Delta R.T. 0.058 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

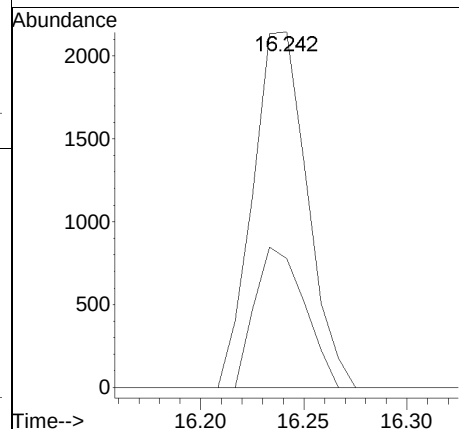
Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.8	51.7	77.5

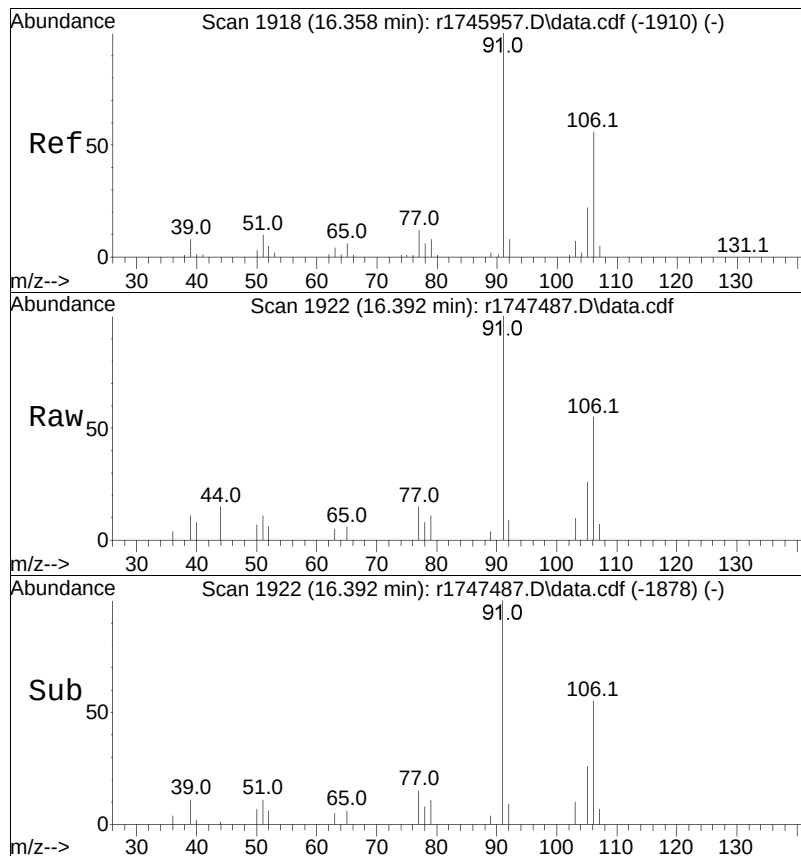




#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.242 min Scan# 1904
Delta R.T. 0.050 min
Lab File: r1747487.D
Acq: 6 Mar 2025 8:15 PM

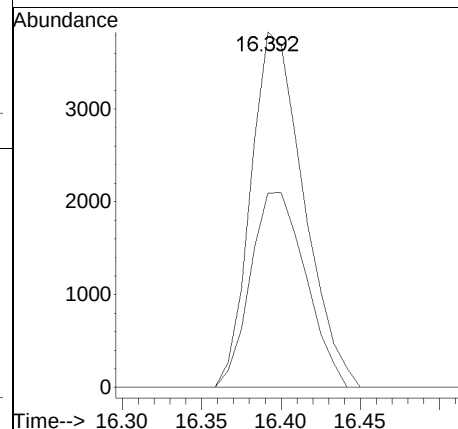
Tgt	Ion	Resp	Lower	Upper
91	100	3937		
106	36.2	28.5	42.7	

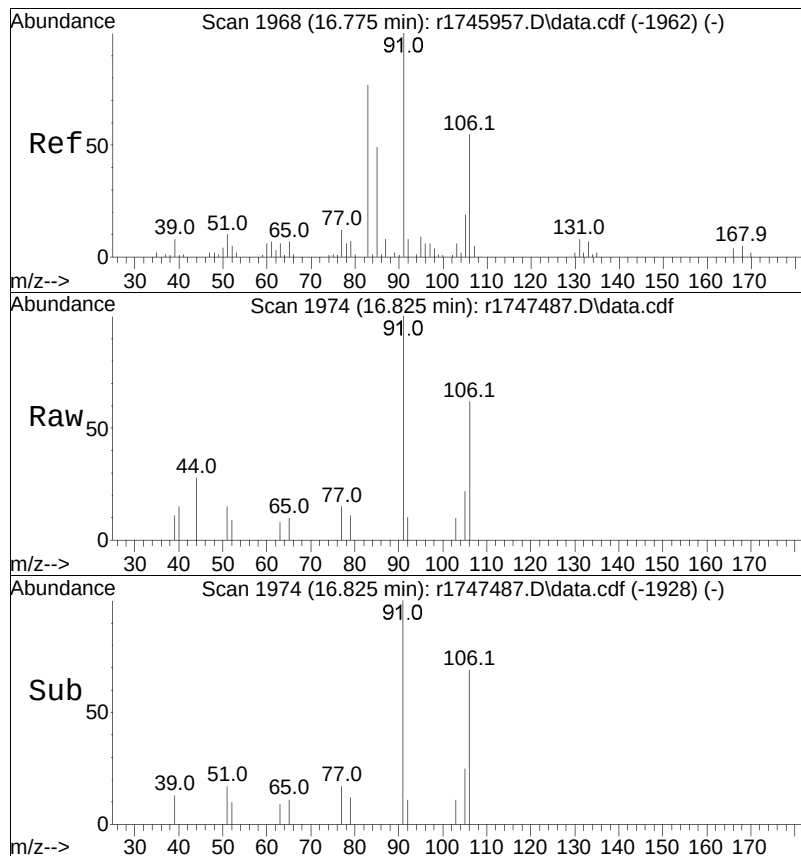




#83
 m+p-xylene
 Concen: 0.16 ppbV
 RT: 16.392 min Scan# 1922
 Delta R.T. 0.033 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

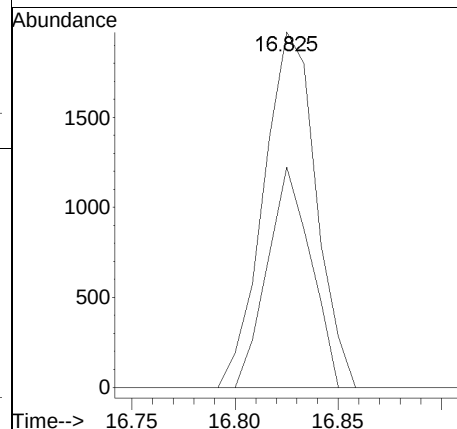
Tgt Ion	Ratio	Lower	Upper
91	100		
106	54.7	44.7	67.1

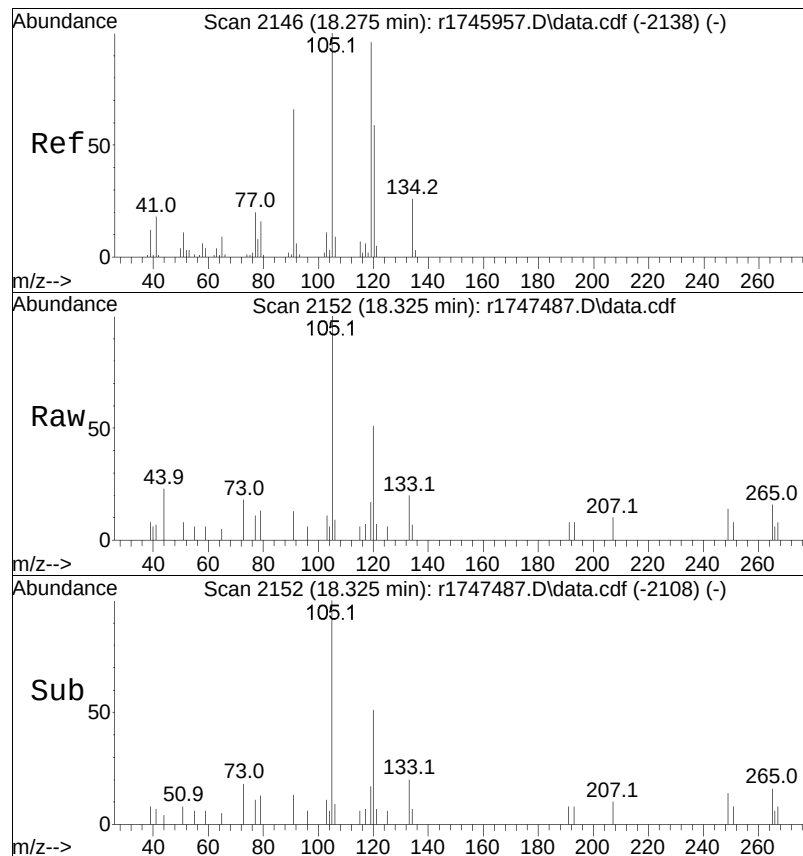




#87
 o-xylene
 Concen: 0.06 ppbV
 RT: 16.825 min Scan# 1974
 Delta R.T. 0.050 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

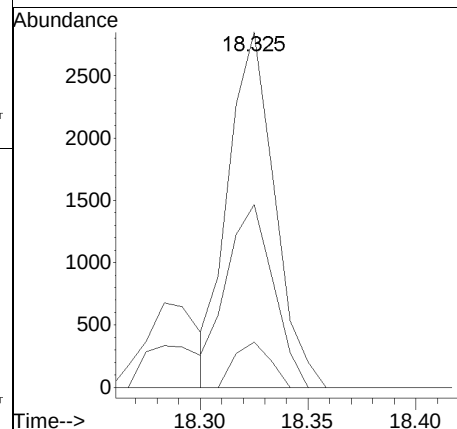
Tgt Ion	Ratio	Lower	Upper
91	100		
106	62.0	43.9	65.9





#99
 1,2,4-trimethylbenzene
 Concen: 0.07 ppbV m
 RT: 18.325 min Scan# 2152
 Delta R.T. 0.050 min
 Lab File: r1747487.D
 Acq: 6 Mar 2025 8:15 PM

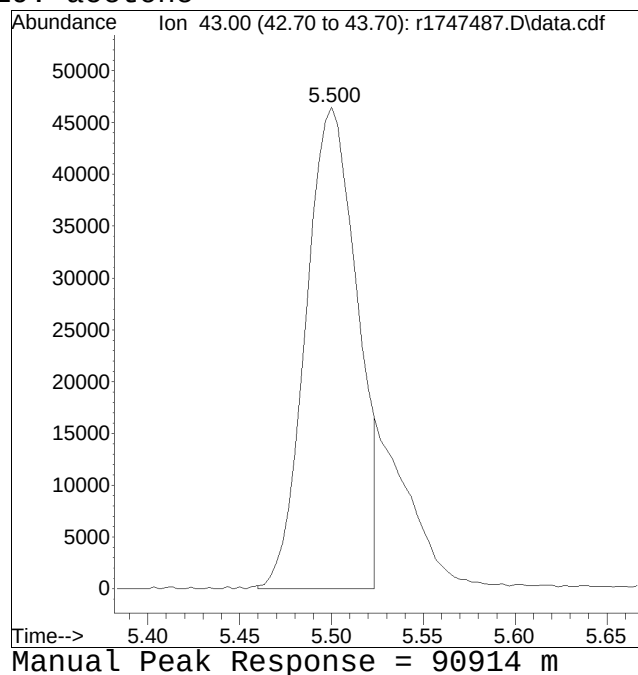
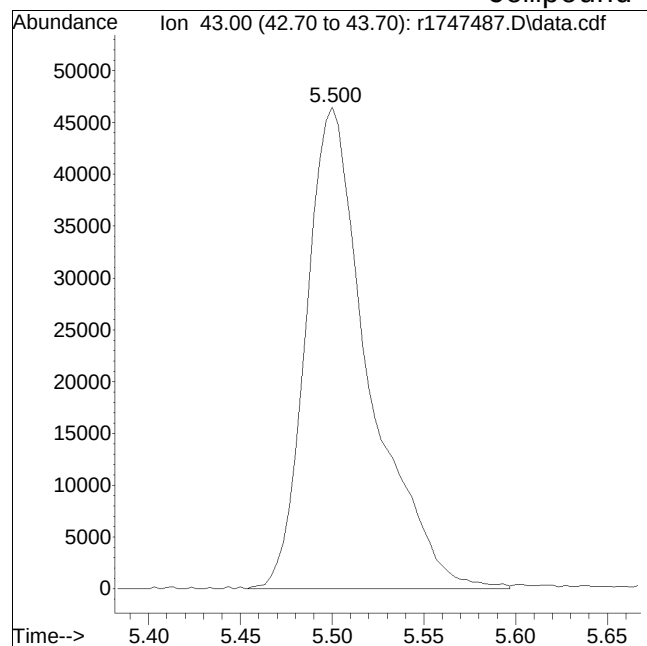
Tgt Ion:	105	Resp:	4240
Ion Ratio	Lower	Upper	
105	100		
120	51.4	47.1	70.7
91	12.8	53.0	79.4#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747487.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:15 PM Instrument :
Sample : L2509499-01,3,250,250 Quant Date : 3/7/2025 7:38 am

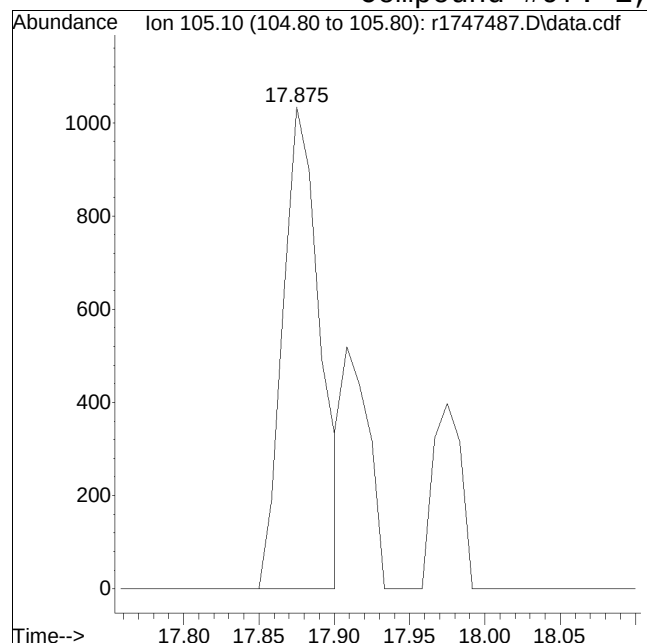
Compound #19: acetone



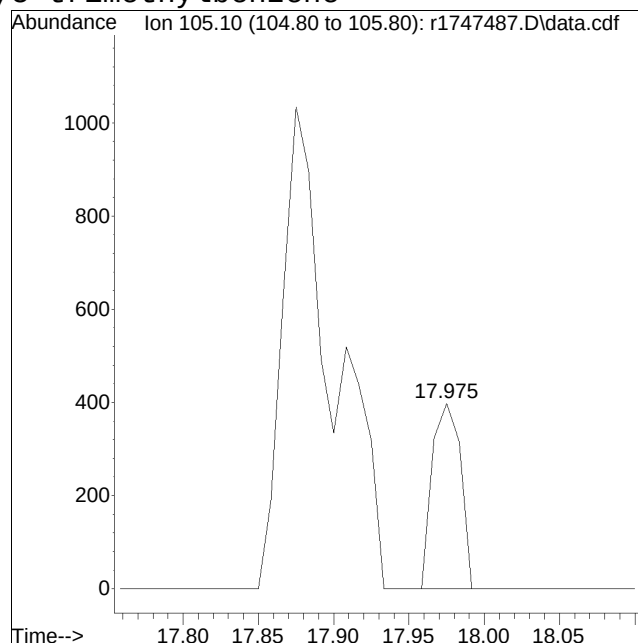
Manual Integration Report

Data Path : X:\AirLab\Data\AirLab17\200Method : TFS17_241220.M
Data File : r1747487.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:15 PM Instrument :
Sample : L2509499-01,3,250,250 Quant Date : 3/7/2025 7:38 am

Compound #97: 1,3,5-trimethylbenzene



Original Peak Response = 1792

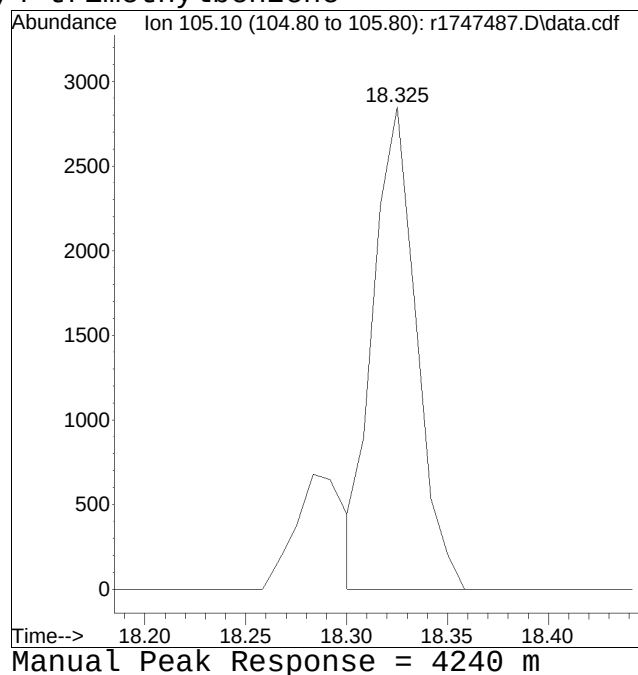
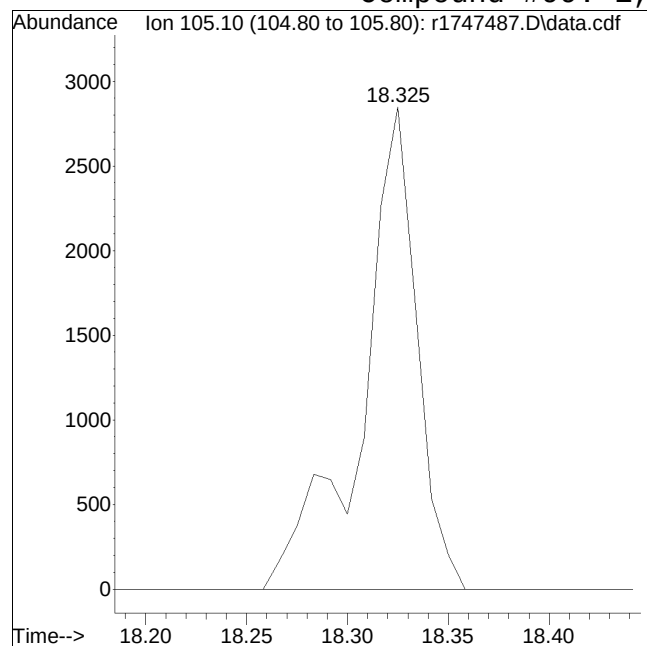


Manual Peak Response = 519 m

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747487.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:15 PM Instrument :
Sample : L2509499-01,3,250,250 Quant Date : 3/7/2025 7:38 am

Compound #99: 1,2,4-trimethylbenzene



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747488.D
 Acq On : 6 Mar 2025 8:53 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-06,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:39:17 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.892	49	248414	10.000	ppbV	0.07
Standard Area = 259437			Recovery =	95.75%		
43) 1,4-difluorobenzene	11.090	114	679992	10.000	ppbV	0.06
Standard Area = 706449			Recovery =	96.25%		
67) chlorobenzene-D5	15.833	54	105641	10.000	ppbV	0.04
Standard Area = 106378			Recovery =	99.31%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	15673	0.631	ppbV	95
6) chloromethane	4.060	50	10119	0.753	ppbV	95
7) Freon-114	4.162		0	N.D.		
10) 1,3-butadiene	4.414		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.032	31	4638875	496.387	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.580	43	67528034m	3539.880	ppbV	
21) trichlorofluoromethane	5.667	101	5875m	0.267	ppbV	
22) isopropyl alcohol	5.813	45	25538026	1059.068	ppbV #	91
27) tertiary butyl alcohol	6.420	59	21251	1.078	ppbV #	36
28) methylene chloride	6.522	49	3126	0.179	ppbV #	75
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	0.000		0	N.D.	d	
31) Freon 113	6.792	101	2265	0.088	ppbV	96
32) trans-1,2-dichloroethene	7.542	61	569	0.032	ppbV	89
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.825		0	N.D.		
36) 2-butanone	8.200	43	20765	0.642	ppbV #	90
38) Ethyl Acetate	8.967	61	3013061	683.725	ppbV #	1
39) chloroform	9.050	83	9034	0.382	ppbV	95
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.867	62	832	0.059	ppbV #	57
44) hexane	0.000		0	N.D.	d	
50) benzene	10.670	78	11520	0.241	ppbV	98
53) cyclohexane	10.977	56	990	0.042	ppbV #	75
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747488.D
 Acq On : 6 Mar 2025 8:53 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-06,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:39:17 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.843		0	N.D.		
58) 1,4-dioxane	11.703		0	N.D.		
60) 2,2,4-trimethylpentane	11.930	57	3678	0.052	ppbV #	65
62) heptane	12.243	43	9328m	0.282	ppbV	
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.850		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	14.042	91	799504	13.299	ppbV	99
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.		
80) chlorobenzene	15.883		0	N.D.		
81) ethylbenzene	16.233	91	7497	0.097	ppbV	97
83) m+p-xylene	16.383	91	24013	0.394	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.725	104	2393	0.048	ppbV #	91
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.817	91	14763	0.241	ppbV	96
96) 4-ethyl toluene	17.900		0	N.D.		
97) 1,3,5-trimethylbenzene	17.967	105	2530	0.036	ppbV #	91
99) 1,2,4-trimethylbenzene	18.317	105	11842m	0.171	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.500		0	N.D.		
103) 1,4-dichlorobenzene	18.500		0	N.D.		
107) 1,2-dichlorobenzene	18.792		0	N.D.		
115) 1,2,4-trichlorobenzene	20.275		0	N.D.		
116) naphthalene	20.392	128	2848	0.034	ppbV #	79
119) hexachlorobutadiene	20.708		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747488.D

Acq On : 6 Mar 2025 8:53 PM

Operator : AIRLAB17:TPH

Sample : L2509499-06,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

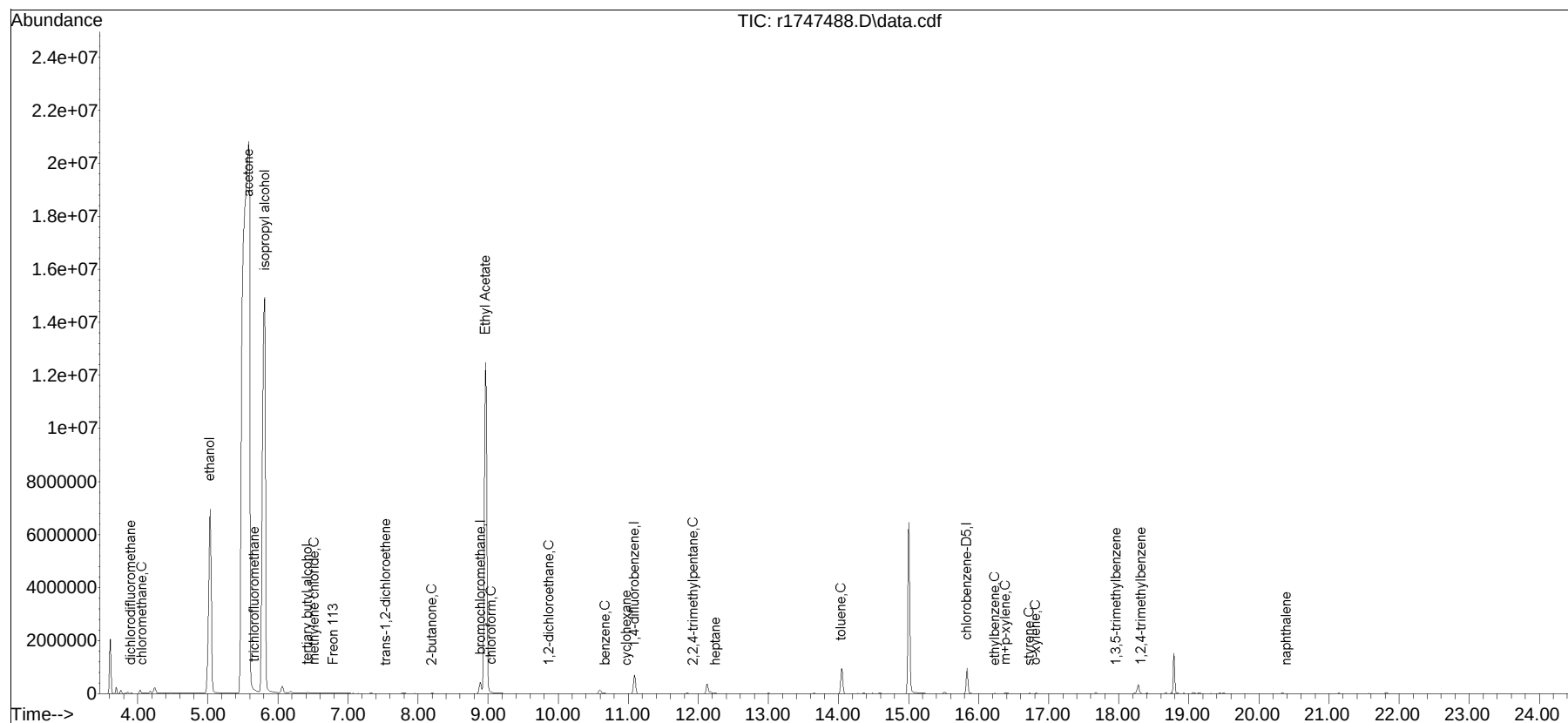
Quant Time: Mar 07 07:39:17 2025

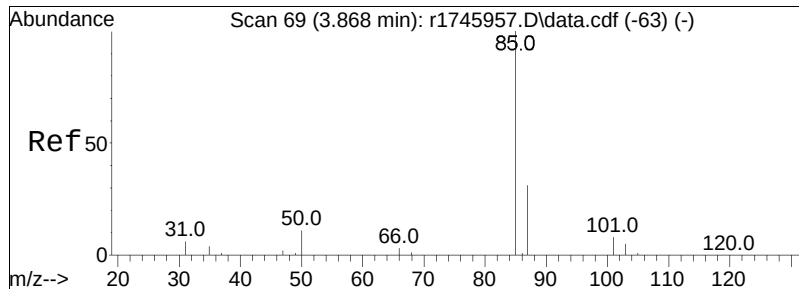
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

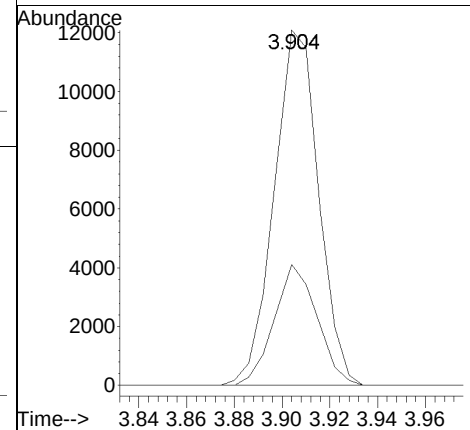
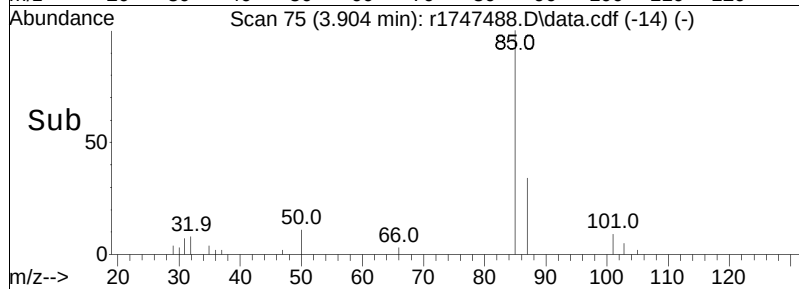
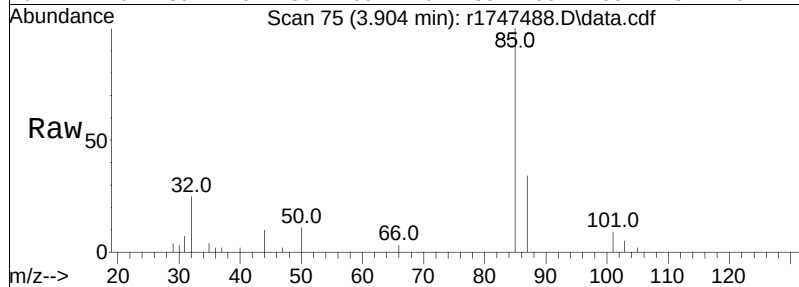
Response via : Initial Calibration

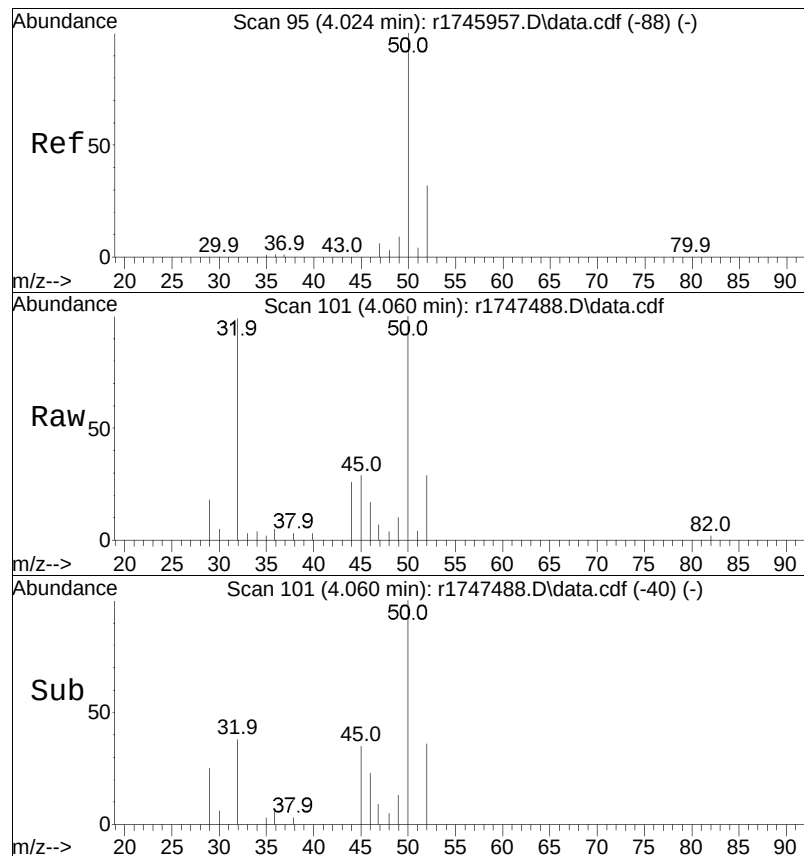




#5
dichlorodifluoromethane
Concen: 0.63 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

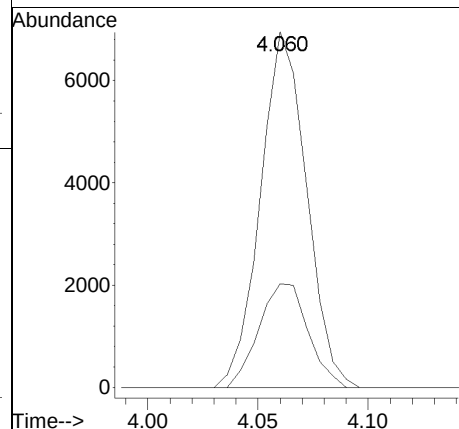
Tgt Ion: 85 Resp: 15673
Ion Ratio Lower Upper
85 100
87 34.0 25.2 37.8

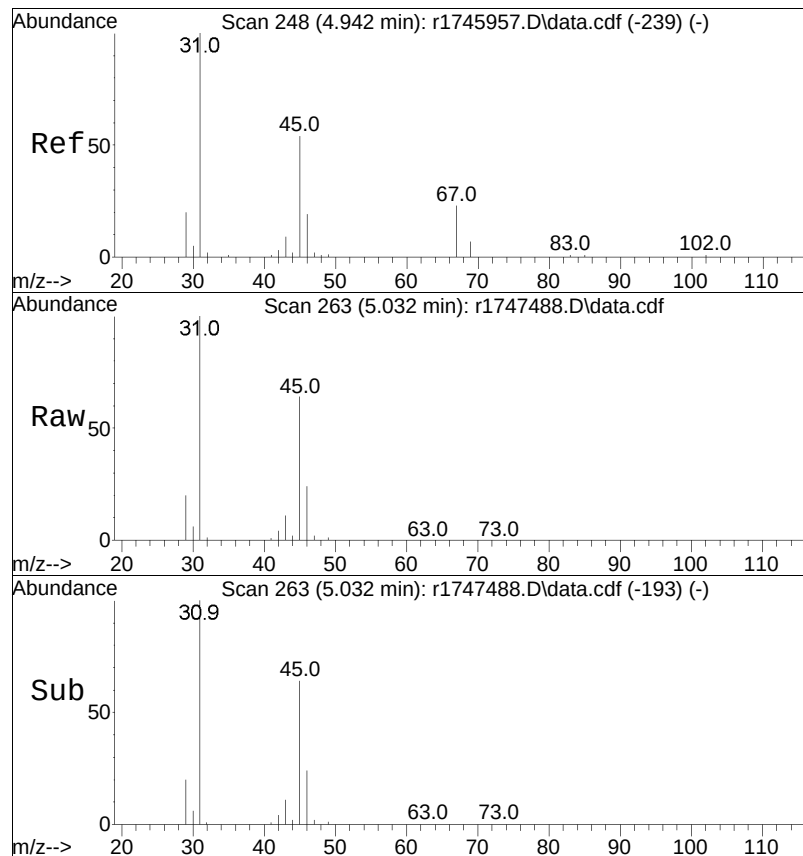




#6
 chloromethane
 Concen: 0.75 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

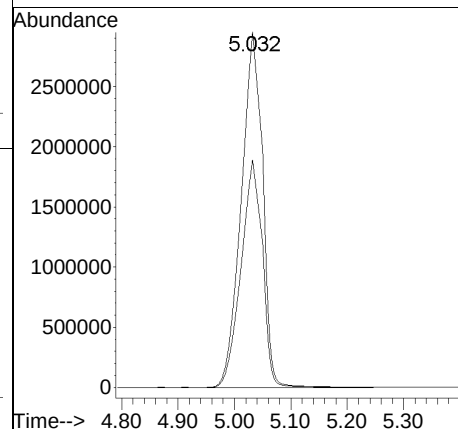
Tgt Ion:	50	Resp:	10119
Ion Ratio	Lower	Upper	
50	100		
52	29.1	25.4	38.2

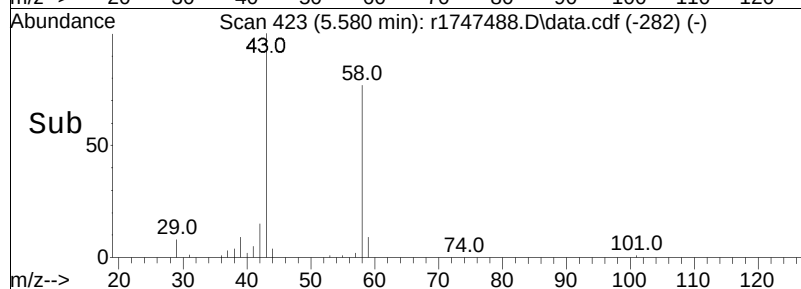
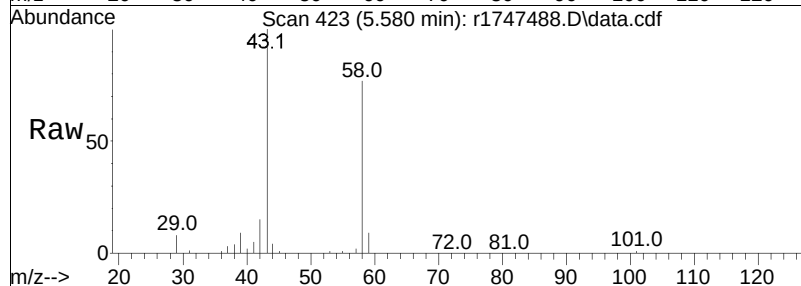
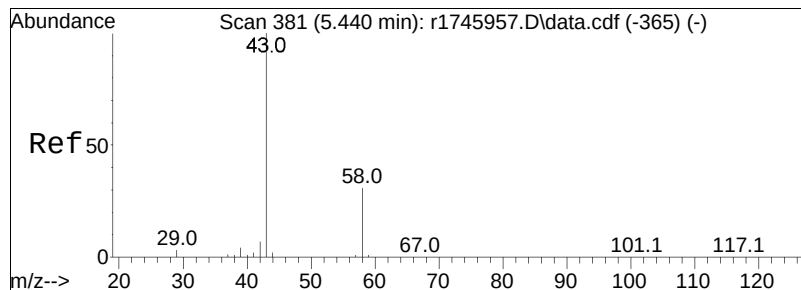




#15
 ethanol
 Concen: 496.39 ppbV
 RT: 5.032 min Scan# 263
 Delta R.T. 0.090 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

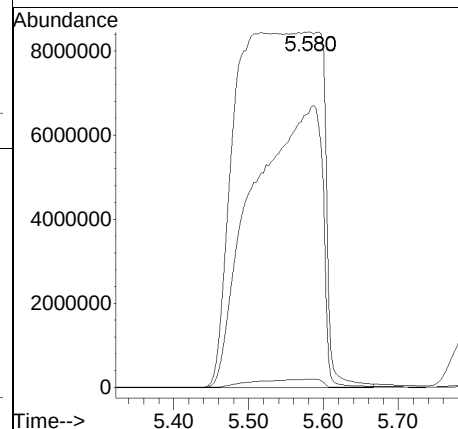
Tgt Ion:	31	Resp:	4638875
Ion Ratio	Lower	Upper	
31	100		
45	64.1	43.0	64.6

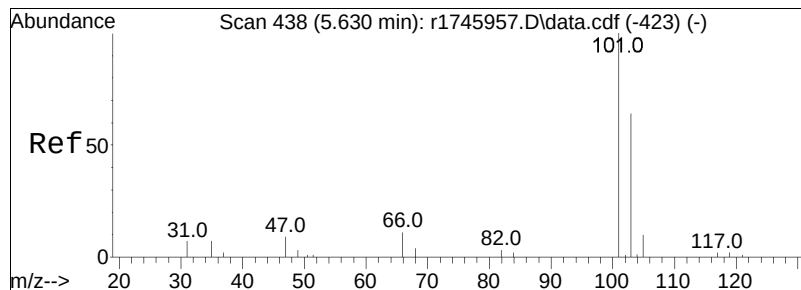




#19
acetone
Concen: 3539.88 ppbV m
RT: 5.580 min Scan# 423
Delta R.T. 0.140 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

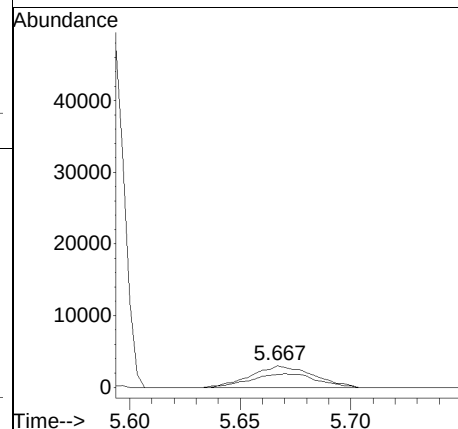
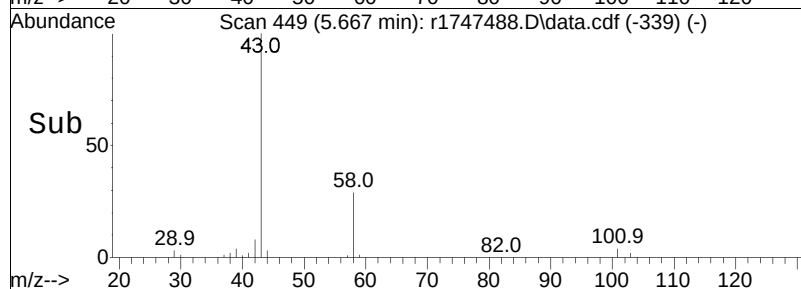
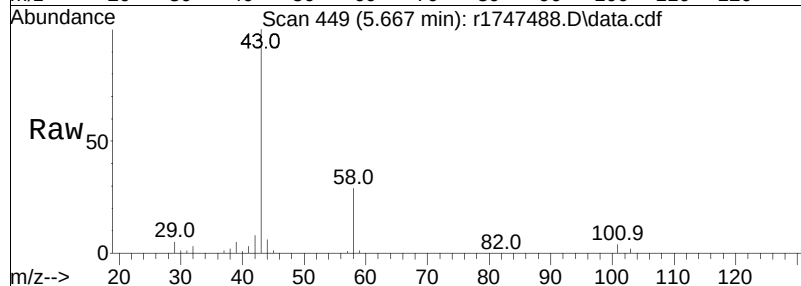
Tgt Ion: 43 Resp:67528034
Ion Ratio Lower Upper
43 100
58 77.1 24.7 37.1#
57 2.3 0.6 0.8#

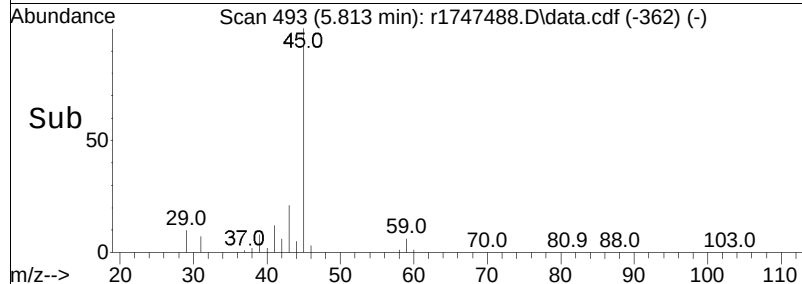
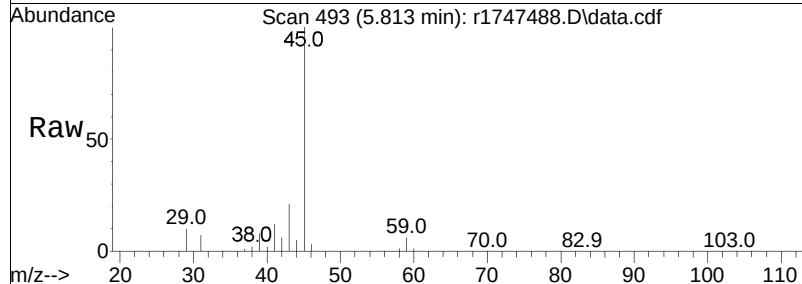
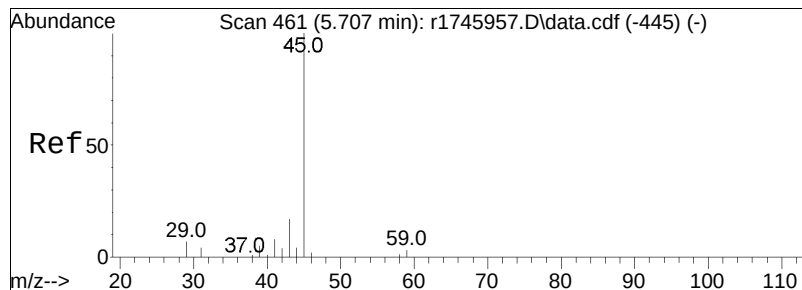




#21
trichlorofluoromethane
Concen: 0.27 ppbV m
RT: 5.667 min Scan# 449
Delta R.T. 0.037 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

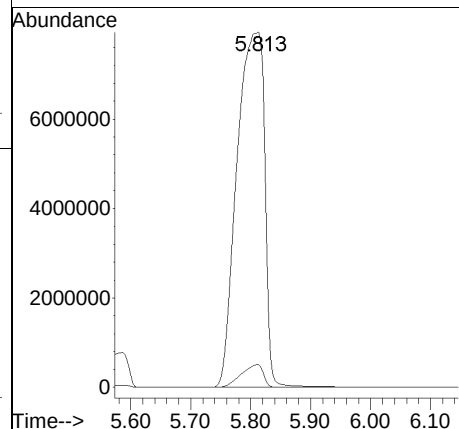
Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.0	50.9	76.3

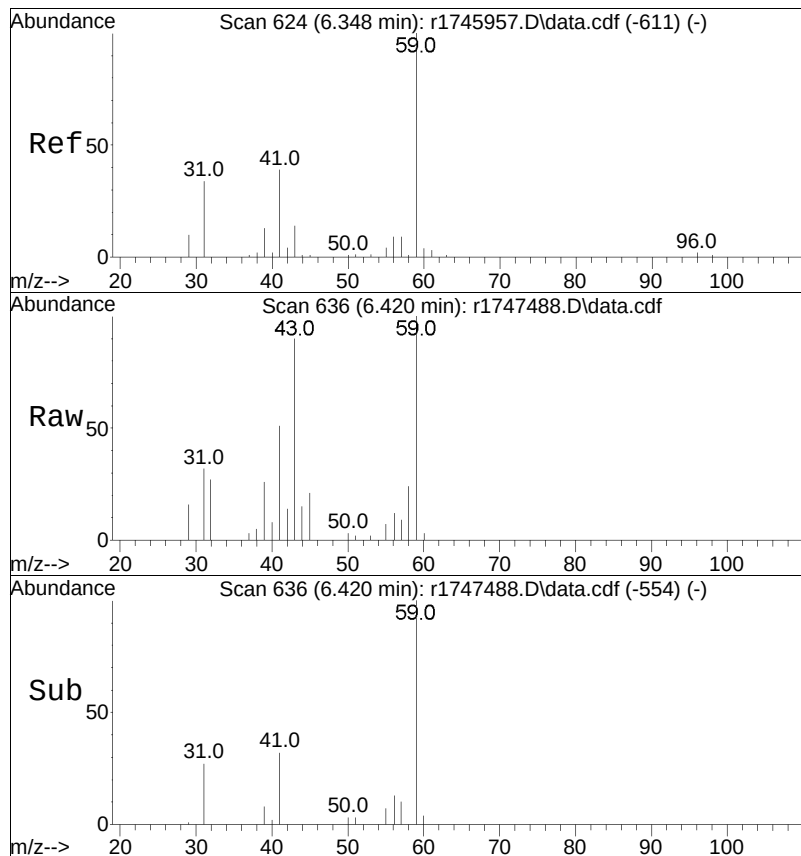




#22
isopropyl alcohol
Concen: 1059.07 ppbV
RT: 5.813 min Scan# 493
Delta R.T. 0.107 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

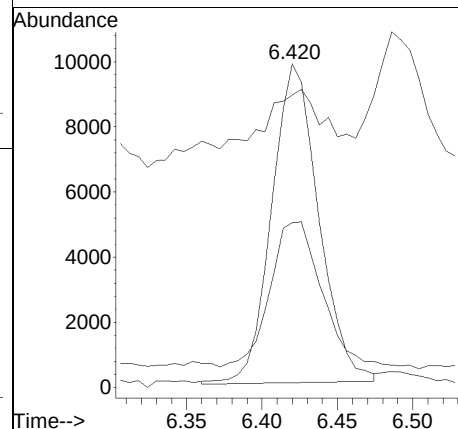
Tgt Ion: 45 Resp: 25538026
Ion Ratio Lower Upper
45 100
59 6.4 2.6 4.0#

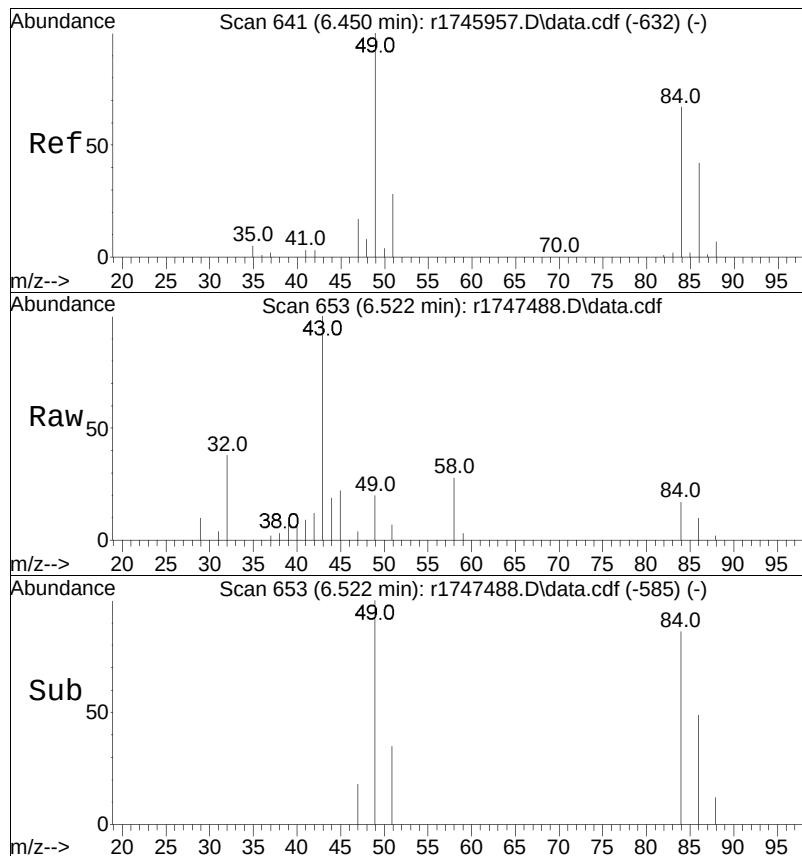




#27
 tertiary butyl alcohol
 Concen: 1.08 ppbV
 RT: 6.420 min Scan# 636
 Delta R.T. 0.072 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

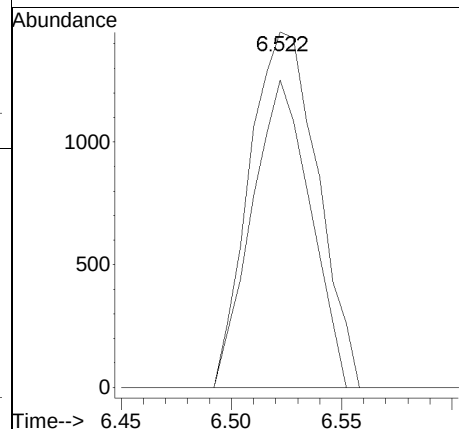
Tgt Ion	Ratio	Lower	Upper
59	100		
41	50.9	31.1	46.7#
43	90.3	11.7	17.5#

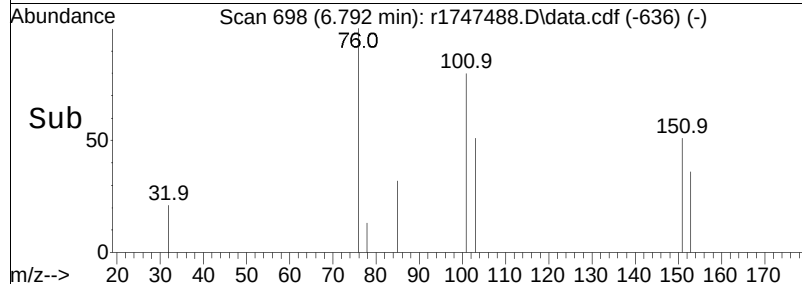
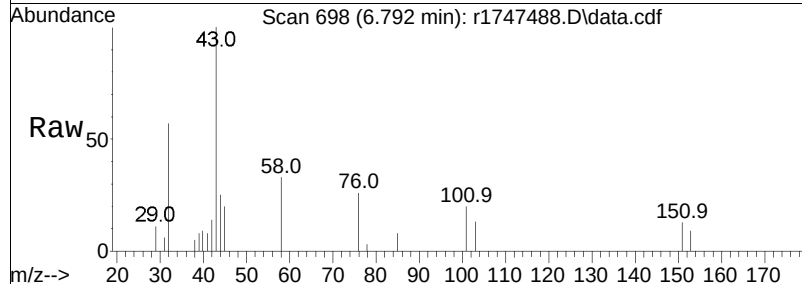
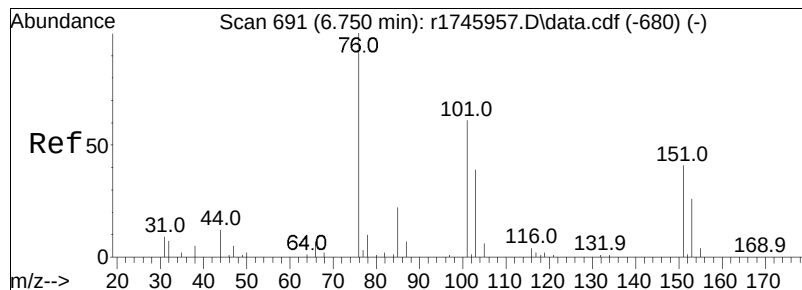




#28
 methylene chloride
 Concen: 0.18 ppbV
 RT: 6.522 min Scan# 653
 Delta R.T. 0.072 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

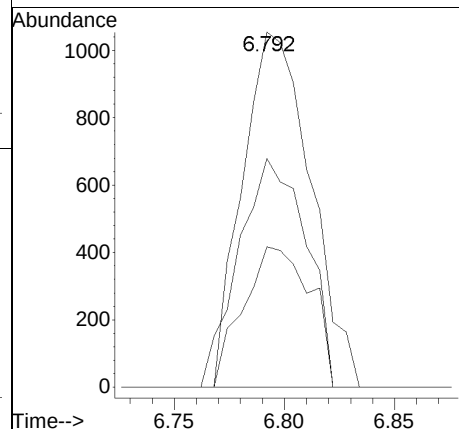
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	3126				
Ion Ratio	100	86.5			
			53.4		80.0#

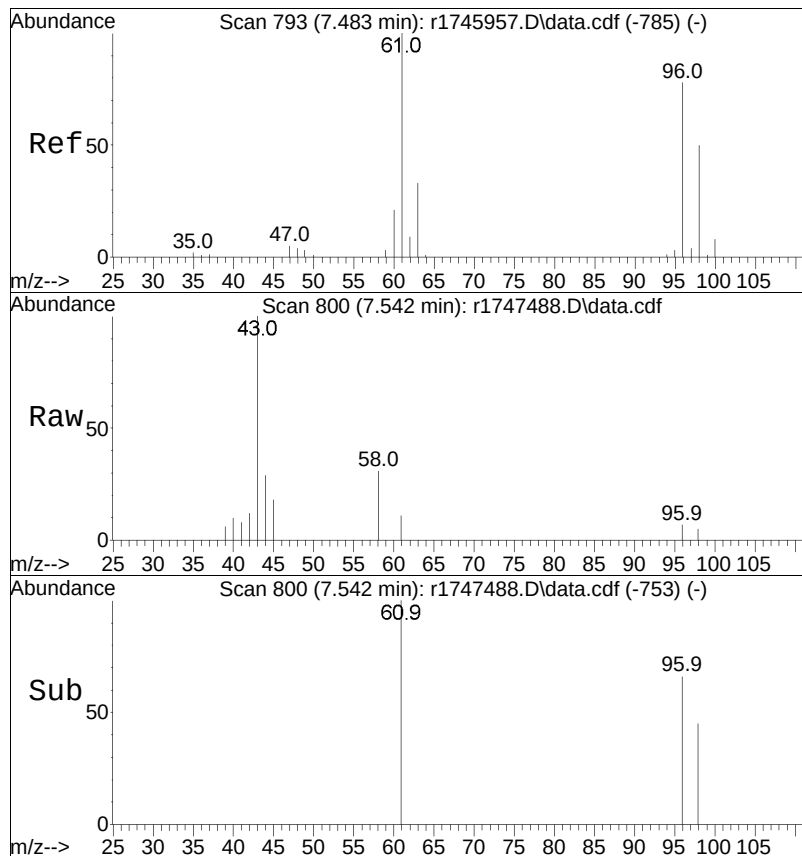




#31
 Freon 113
 Concen: 0.09 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.042 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

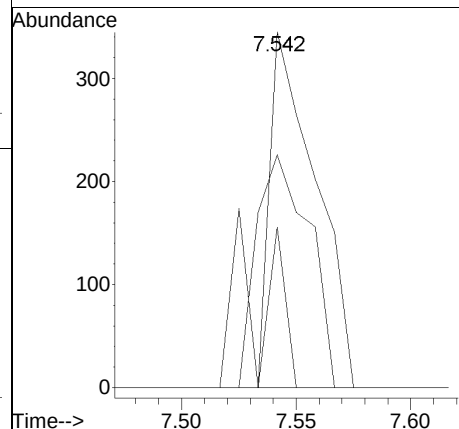
Tgt Ion	Ratio	Lower	Upper
101	100		
85	39.6	29.0	43.4
151	64.4	53.6	80.4

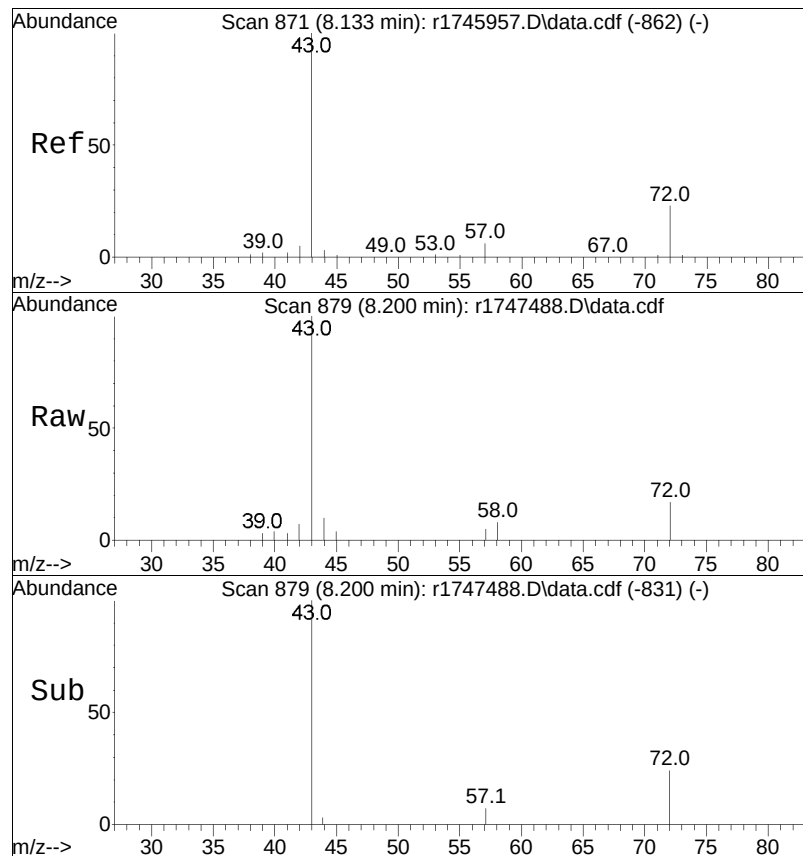




#32
 trans-1,2-dichloroethene
 Concen: 0.03 ppbV
 RT: 7.542 min Scan# 800
 Delta R.T. 0.058 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

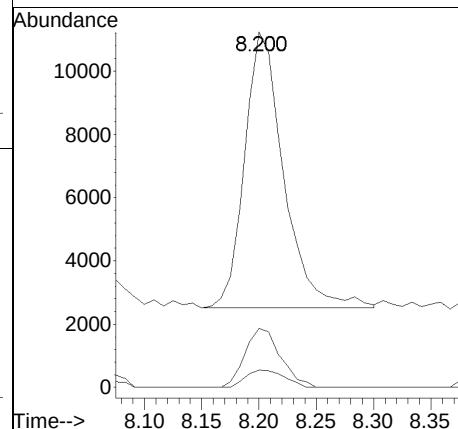
Tgt Ion: 61	Resp: 569
Ion Ratio	Lower Upper
61 100	
96 65.5	62.1 93.1
98 45.2	40.0 60.0

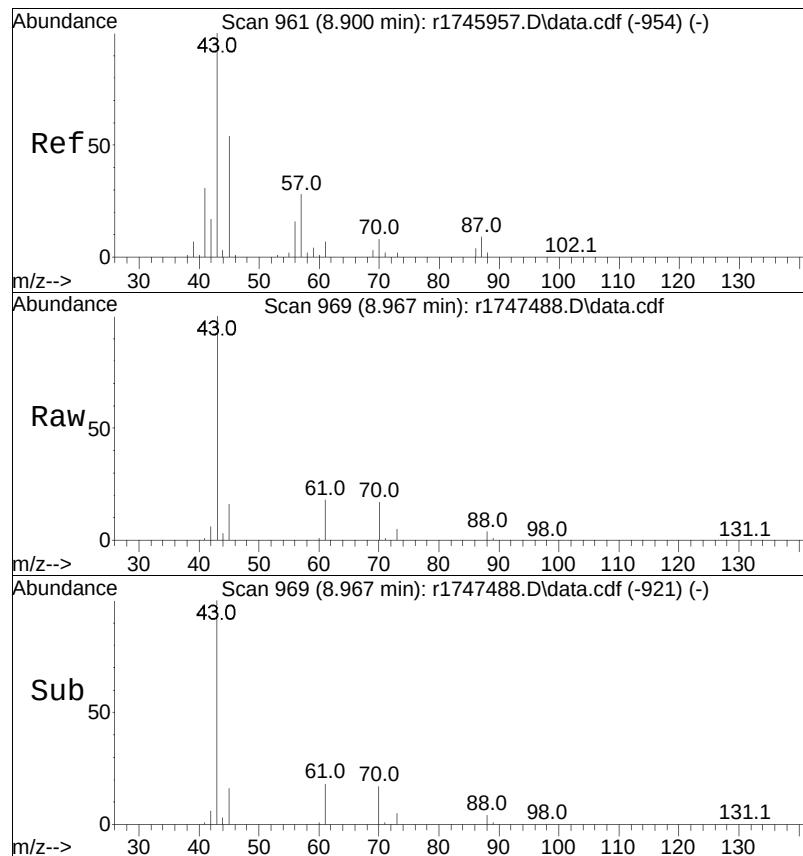




#36
 2-butanone
 Concen: 0.64 ppbV
 RT: 8.200 min Scan# 879
 Delta R.T. 0.067 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

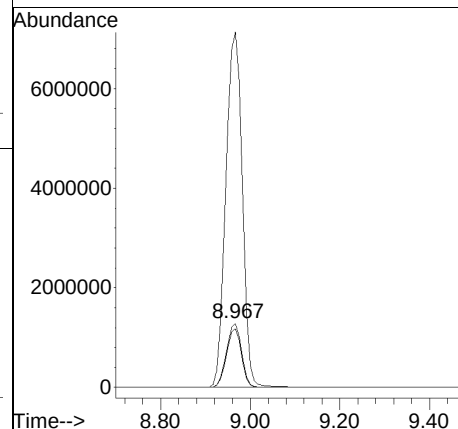
Tgt Ion:	43	Resp:	20765
Ion Ratio	Lower	Upper	
43	100		
72	16.6	18.1	27.1#
57	4.9	4.6	6.8

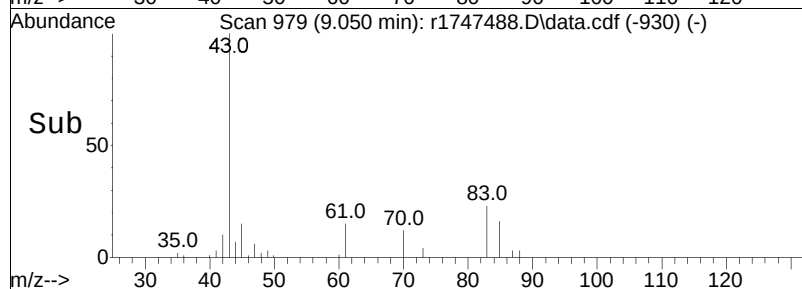
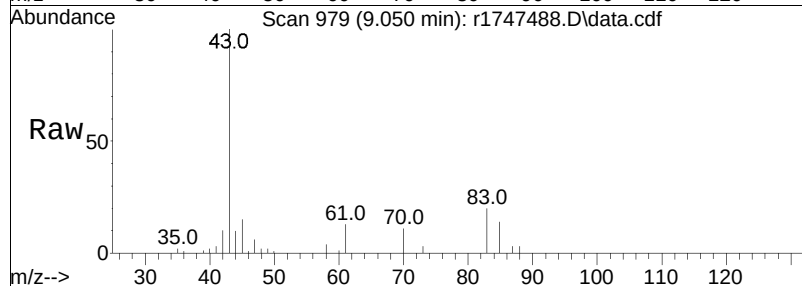
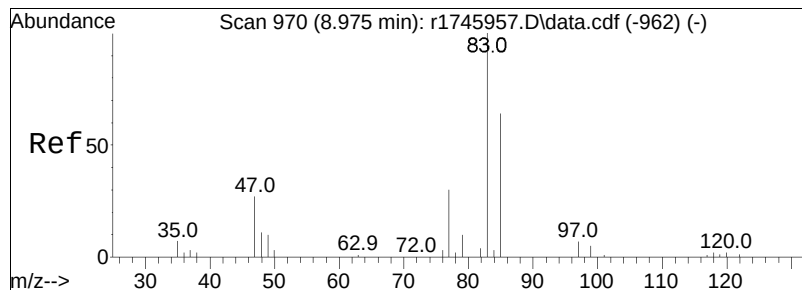




#38
 Ethyl Acetate
 Concen: 683.72 ppbV
 RT: 8.967 min Scan# 969
 Delta R.T. 0.067 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

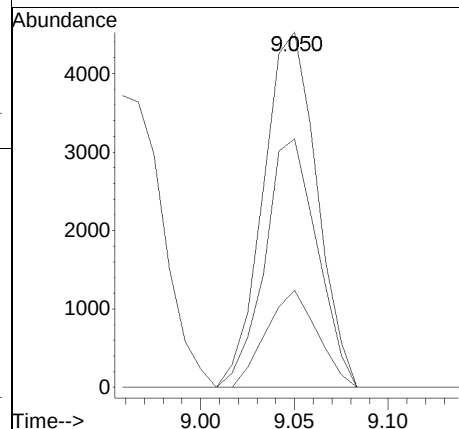
Tgt Ion	Ratio	Lower	Upper
61	100		
70	92.3	85.8	128.8
43	557.2	1077.6	1616.4#

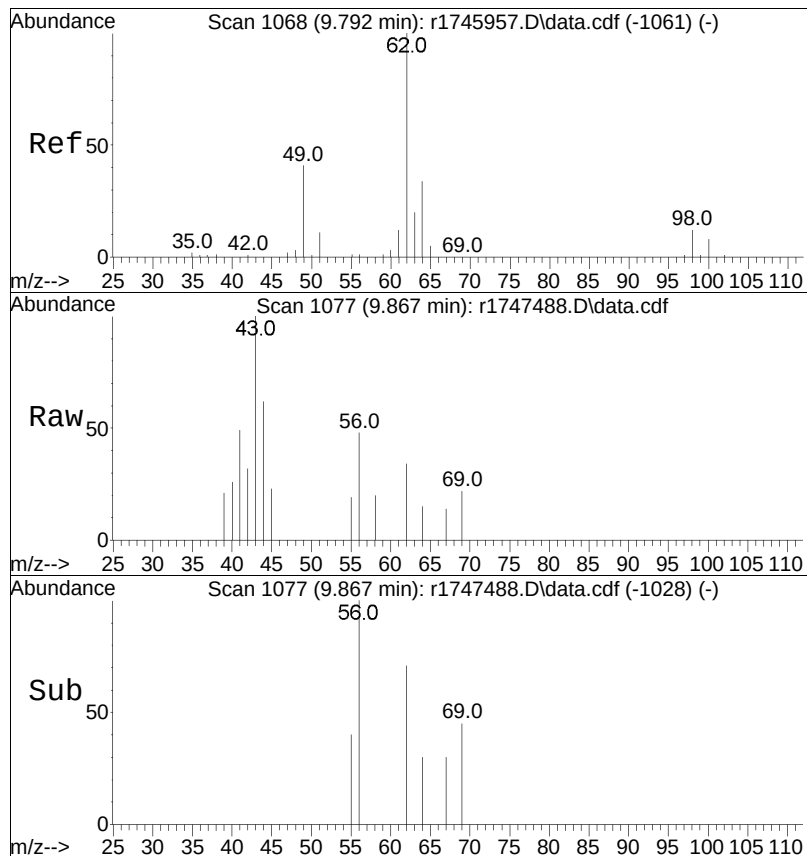




#39
chloroform
Concen: 0.38 ppbV
RT: 9.050 min Scan# 979
Delta R.T. 0.075 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

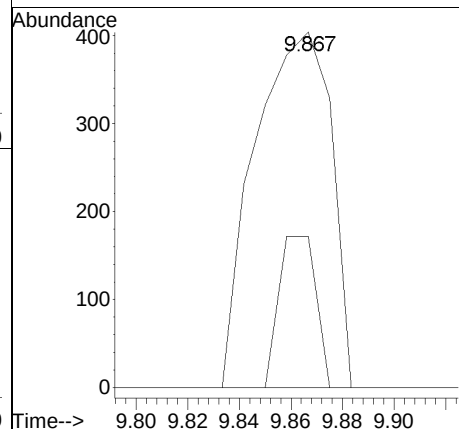
Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	51.6	77.4
47	27.3	21.4	32.2

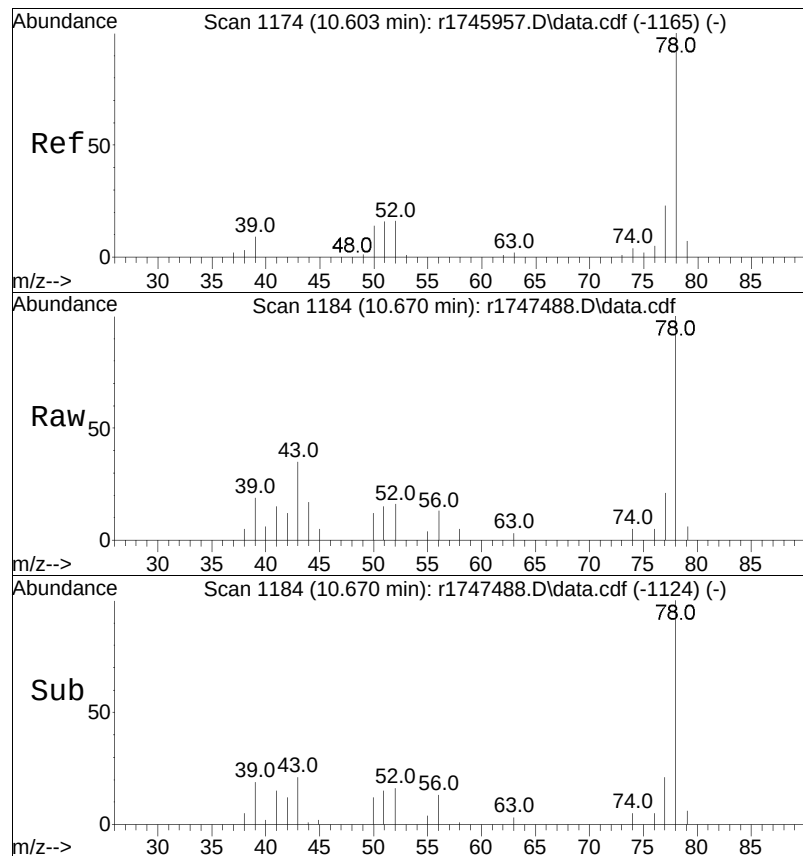




#42
 1,2-dichloroethane
 Concen: 0.06 ppbV
 RT: 9.867 min Scan# 1077
 Delta R.T. 0.075 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

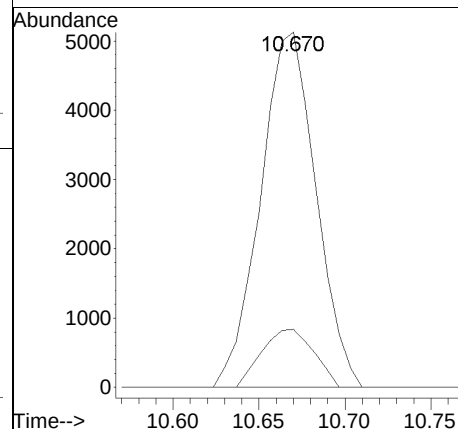
Tgt Ion:	62	Resp:	832
Ion Ratio	Lower	Upper	
62	100		
64	42.6	27.0	40.4#
49	0.0	32.5	48.7#
63	0.0	15.8	23.6#

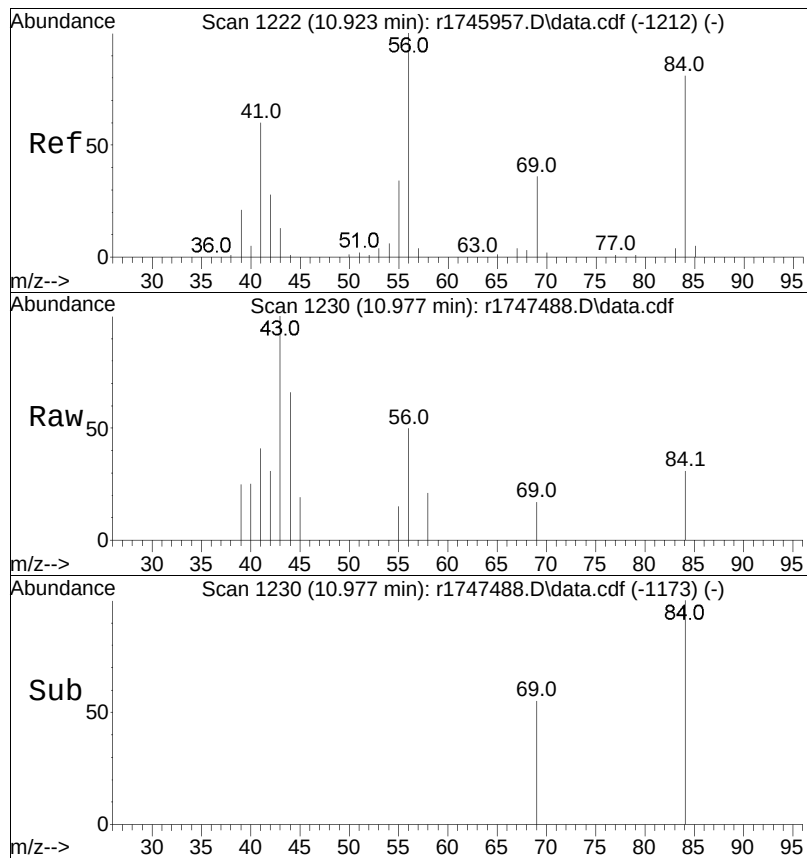




#50
benzene
Concen: 0.24 ppbV
RT: 10.670 min Scan# 1184
Delta R.T. 0.067 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

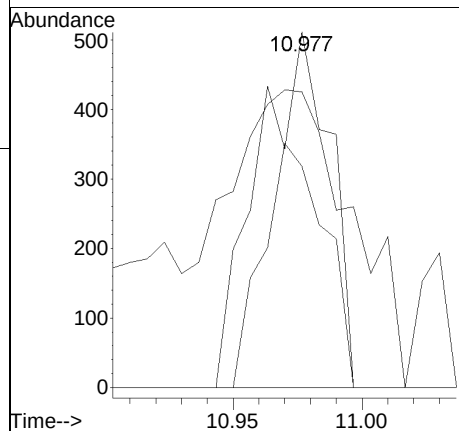
Tgt Ion	Ratio	Lower	Upper
78	100		
52	16.3	12.5	18.7

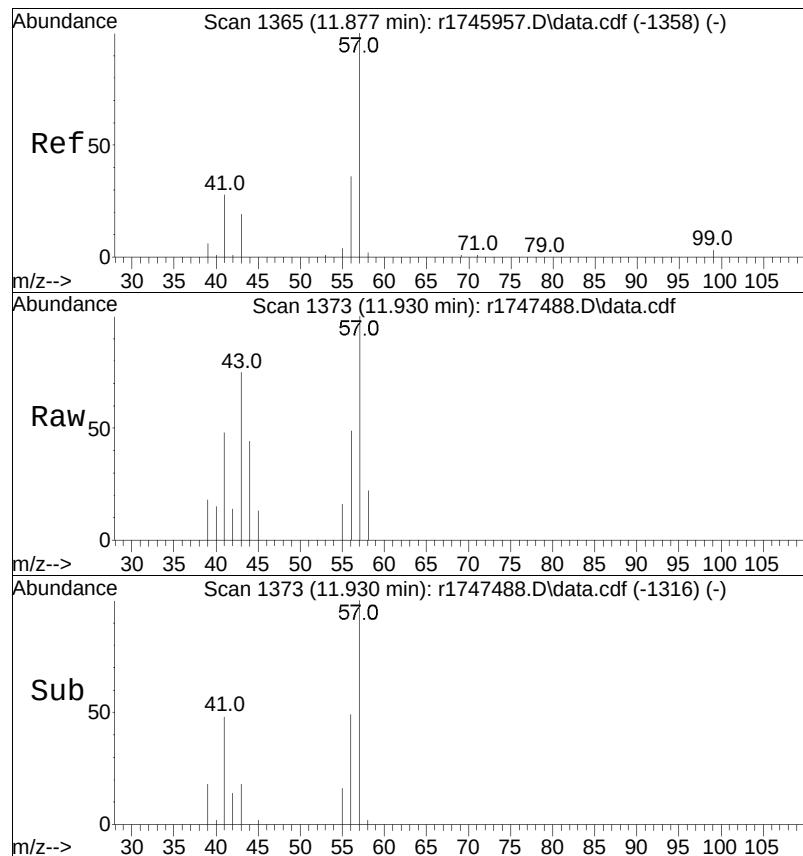




#53
cyclohexane
Concen: 0.04 ppbV
RT: 10.977 min Scan# 1230
Delta R.T. 0.053 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

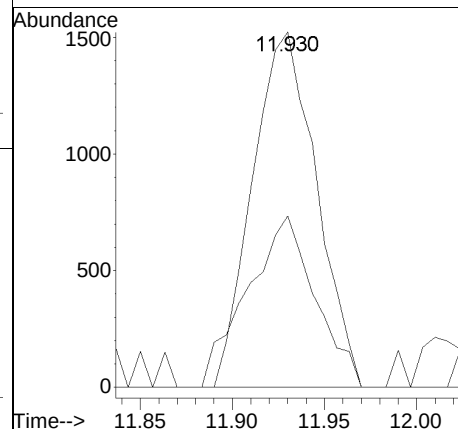
Tgt Ion: 56	Resp: 990
Ion Ratio	Lower Upper
56 100	
84 62.2	65.4 98.0#
41 83.2	48.2 72.4#

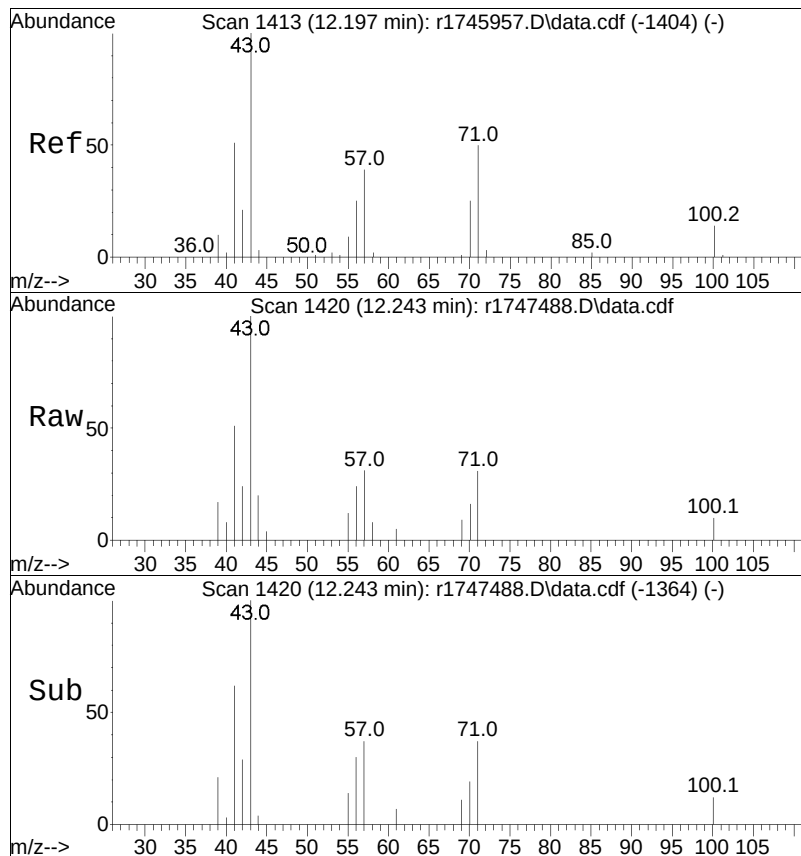




#60
 2,2,4-trimethylpentane
 Concen: 0.05 ppbV
 RT: 11.930 min Scan# 1373
 Delta R.T. 0.053 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

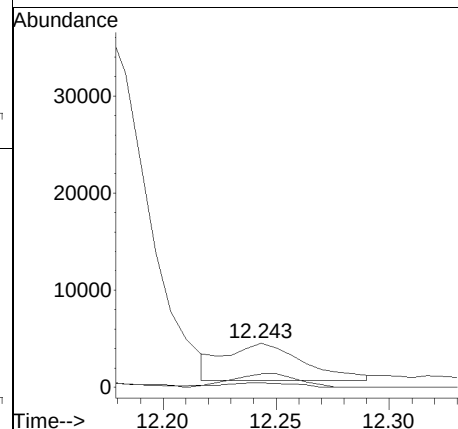
Tgt Ion:	57	Resp:	3678
Ion Ratio	Lower	Upper	
57	100		
99	0.0	4.6	6.8#
41	48.3	22.3	33.5#

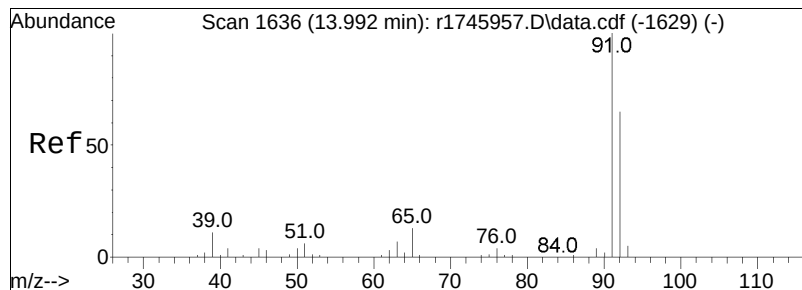




#62
 heptane
 Concen: 0.28 ppbV m
 RT: 12.243 min Scan# 1420
 Delta R.T. 0.047 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

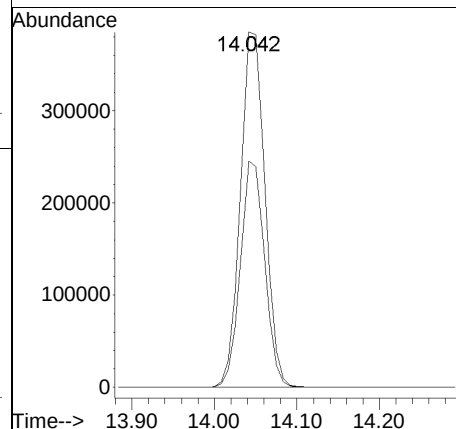
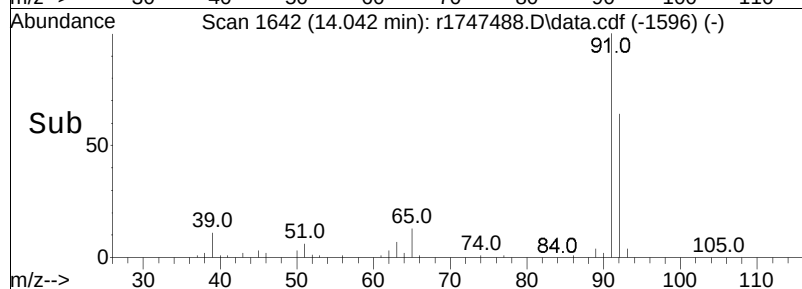
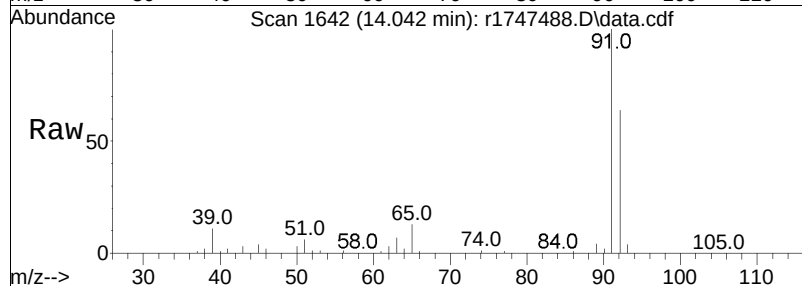
Tgt Ion:	43	Resp:	9328
Ion Ratio	Lower	Upper	
43	100		
57	30.6	31.1	46.7#
100	10.3	11.4	17.2#

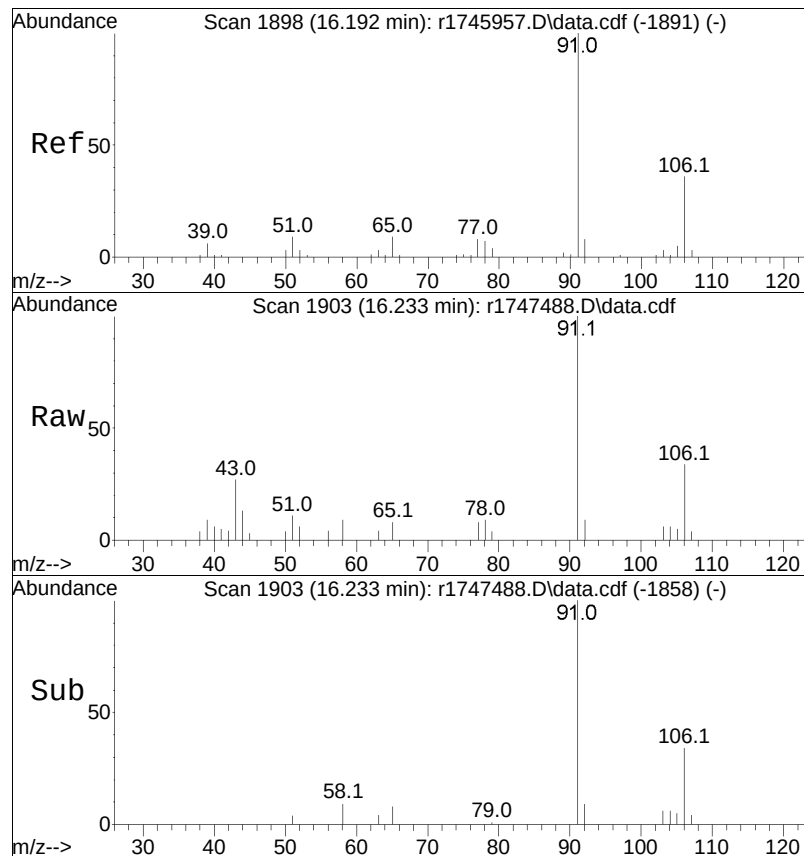




#68
toluene
Concen: 13.30 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

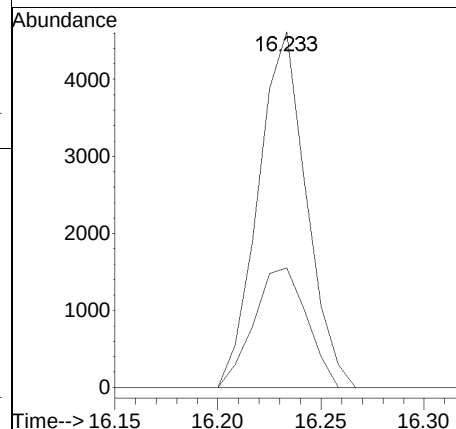
Tgt	Ion	Resp	Lower	Upper
91	100	799504		
92	63.7	51.7	77.5	

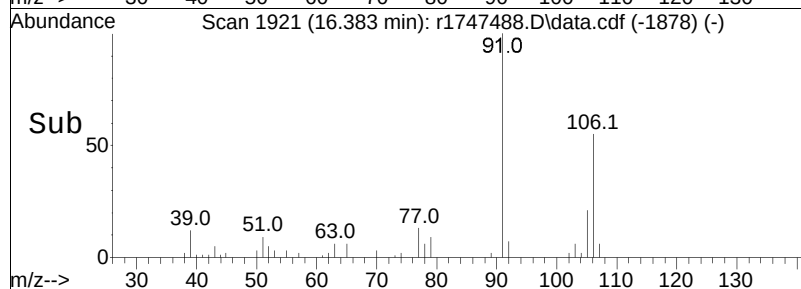
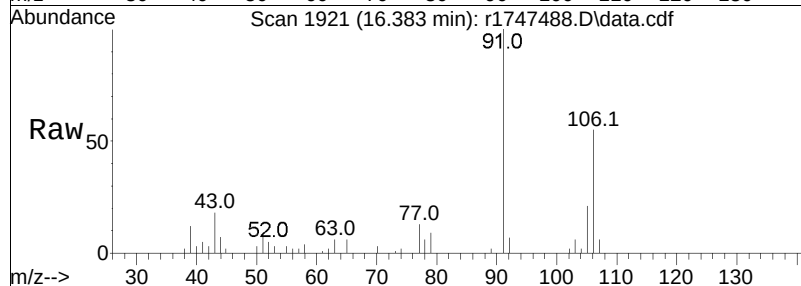
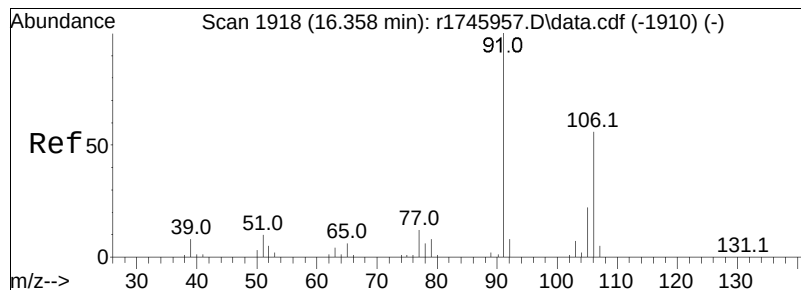




#81
ethylbenzene
Concen: 0.10 ppbV
RT: 16.233 min Scan# 1903
Delta R.T. 0.042 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

Tgt	Ion	Resp	Lower	Upper
91	100	7497		
106	33.7	28.5	42.7	





#83

m+p-xylene

Concen: 0.39 ppbV

RT: 16.383 min Scan# 1921

Delta R.T. 0.025 min

Lab File: r1747488.D

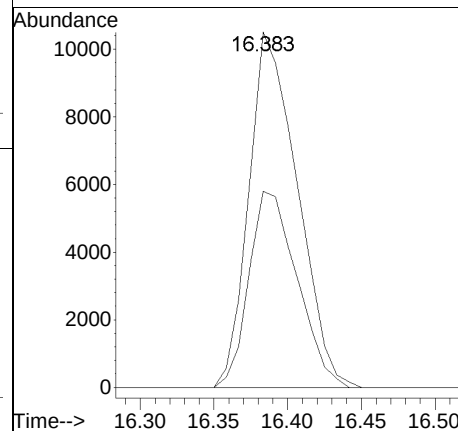
Acq: 6 Mar 2025 8:53 PM

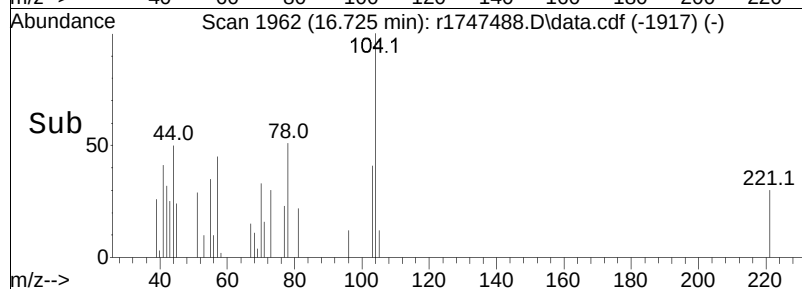
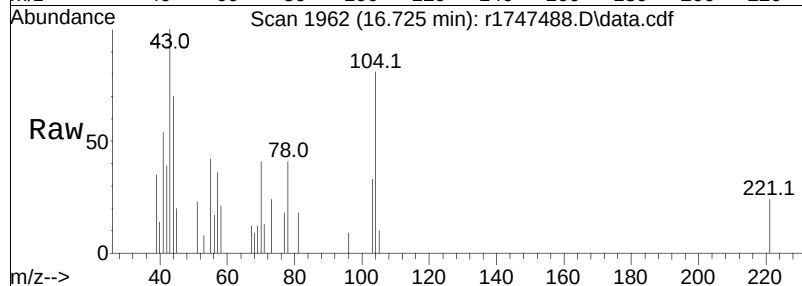
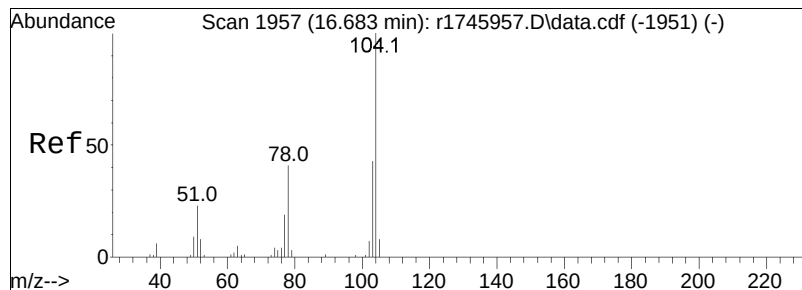
Tgt Ion: 91 Resp: 24013

Ion Ratio Lower Upper

91 100

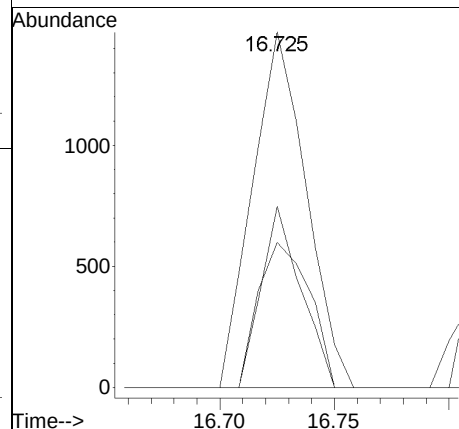
106 55.2 44.7 67.1

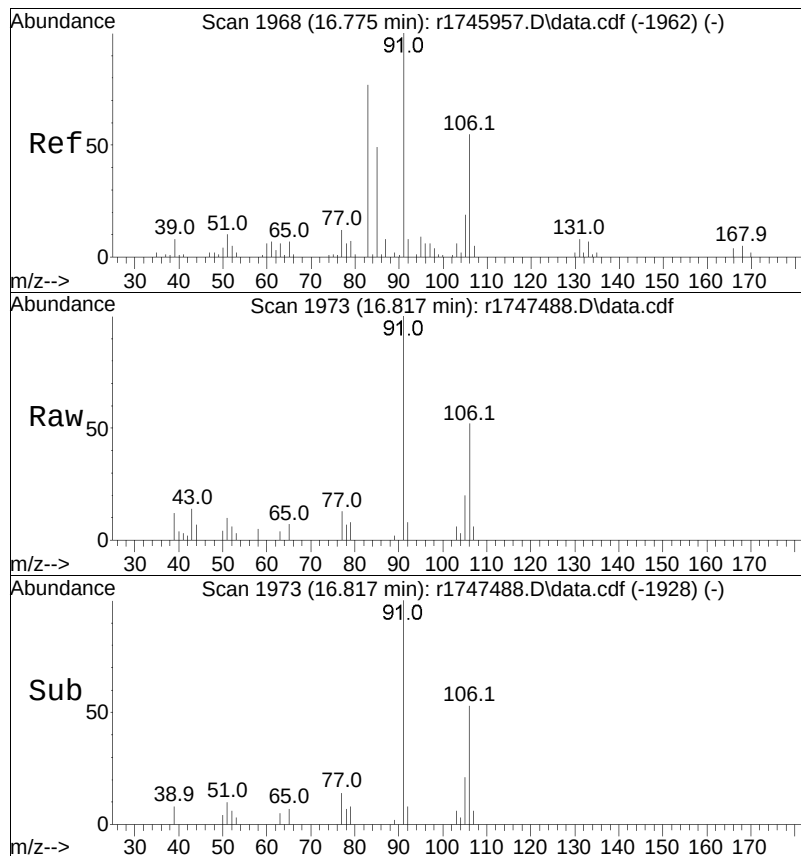




#85
styrene
Concen: 0.05 ppbV
RT: 16.725 min Scan# 1962
Delta R.T. 0.042 min
Lab File: r1747488.D
Acq: 6 Mar 2025 8:53 PM

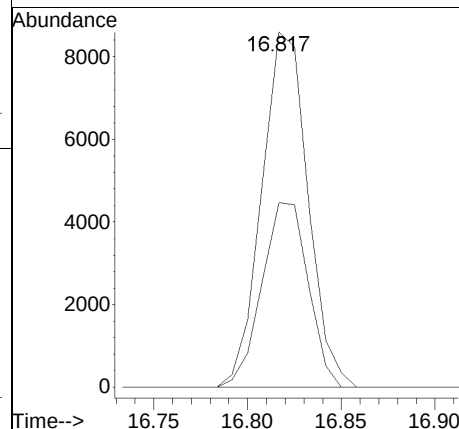
Tgt Ion	Ratio	Lower	Upper
104	100		
103	40.8	34.1	51.1
78	51.0	32.7	49.1#

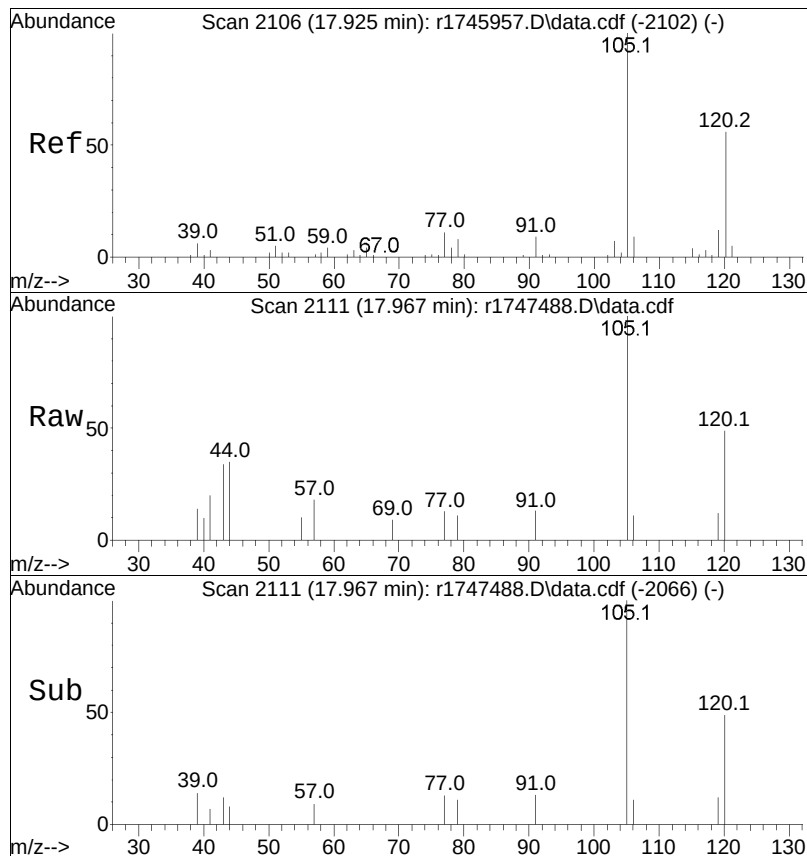




#87
 o-xylene
 Concen: 0.24 ppbV
 RT: 16.817 min Scan# 1973
 Delta R.T. 0.042 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

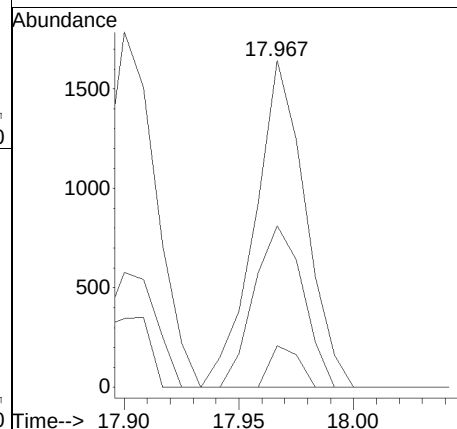
Tgt Ion:	91	Resp:	14763
Ion Ratio	Lower	Upper	
91	100		
106	52.0	43.9	65.9

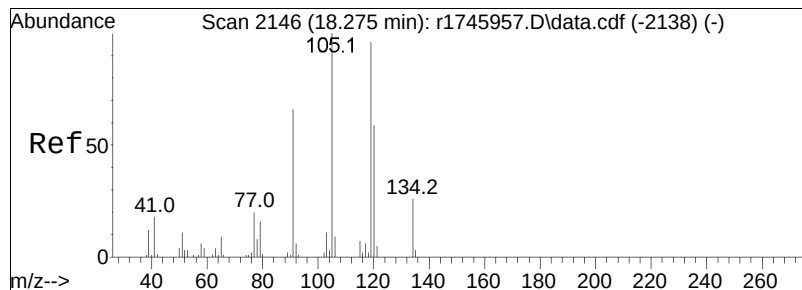




#97
 1,3,5-trimethylbenzene
 Concen: 0.04 ppbV
 RT: 17.967 min Scan# 2111
 Delta R.T. 0.042 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

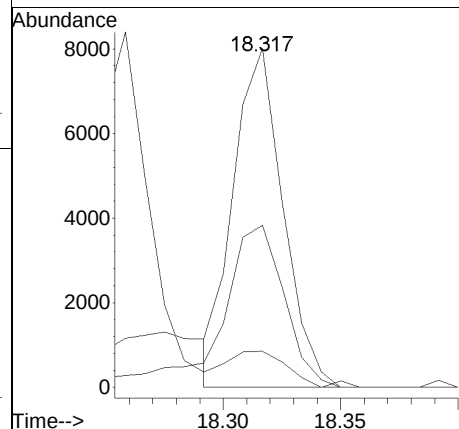
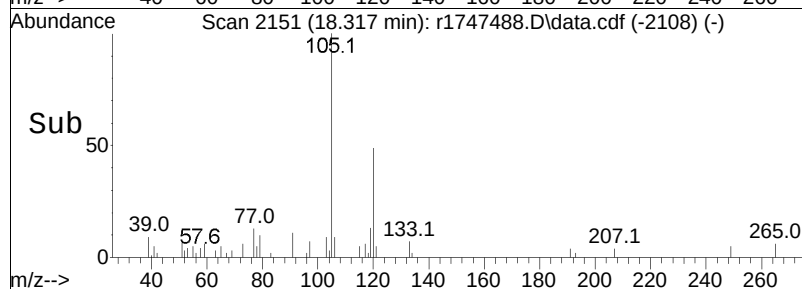
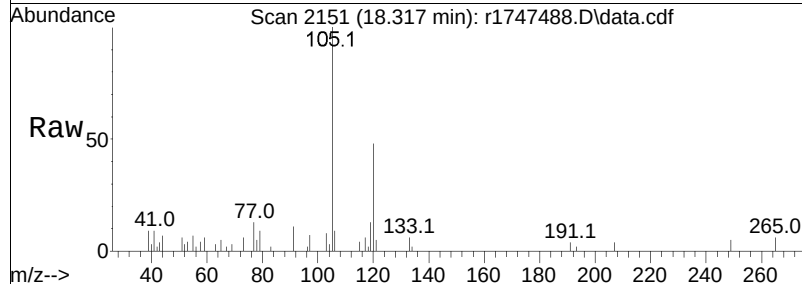
Tgt Ion:	105	Resp:	2530
Ion Ratio	Lower	Upper	
105	100		
120	49.4	44.6	66.8
91	12.7	7.4	11.0#

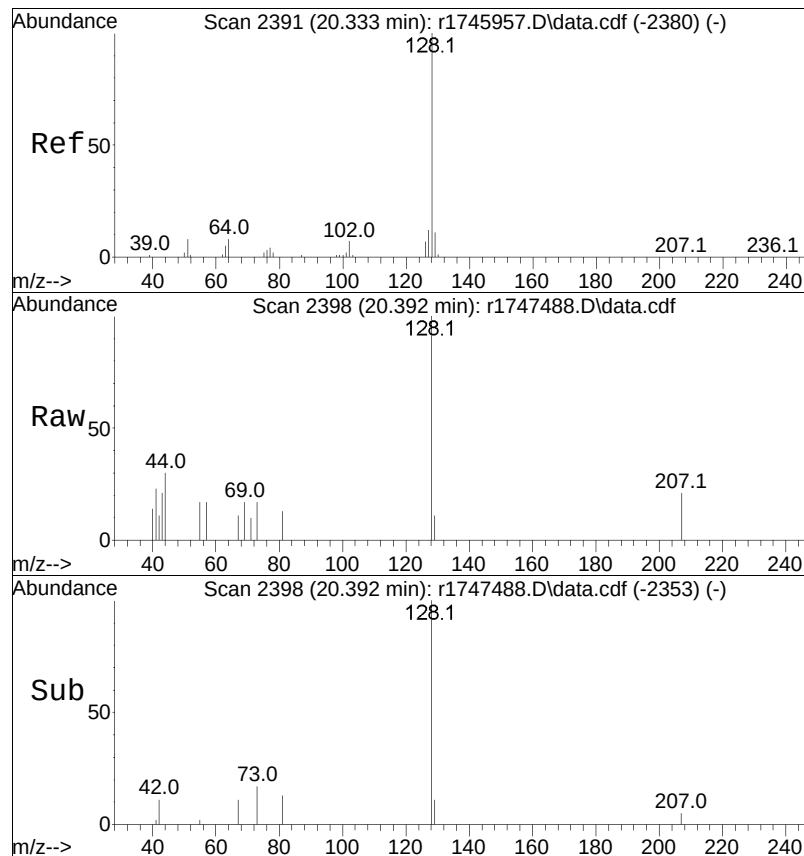




#99
 1,2,4-trimethylbenzene
 Concen: 0.17 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

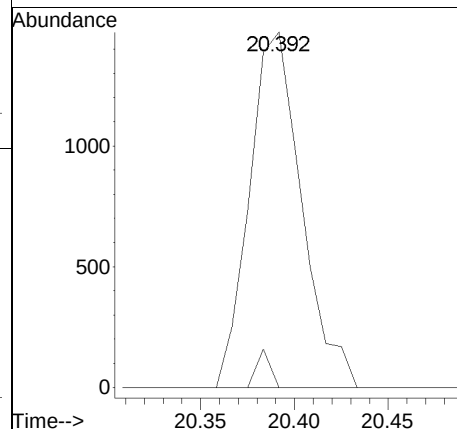
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	47.1	70.7
91	10.7	53.0	79.4#





#116
 naphthalene
 Concen: 0.03 ppbV
 RT: 20.392 min Scan# 2398
 Delta R.T. 0.058 min
 Lab File: r1747488.D
 Acq: 6 Mar 2025 8:53 PM

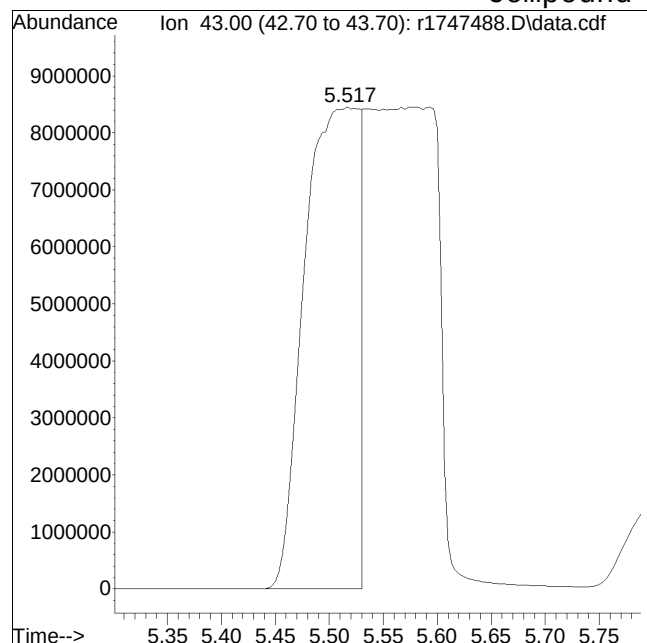
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		2848		
102	0.0		5.9		8.9#



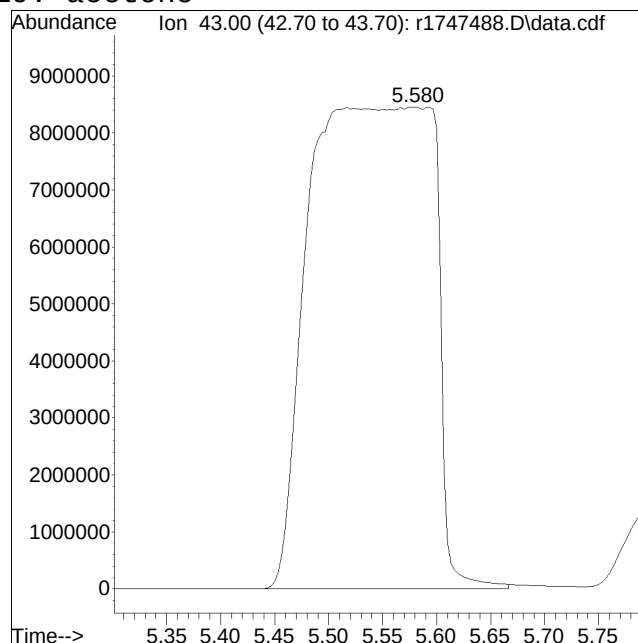
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747488.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:53 PM Instrument :
Sample : L2509499-06,3,250,250 Quant Date : 3/7/2025 7:39 am

Compound #19: acetone



Original Peak Response = 29949064

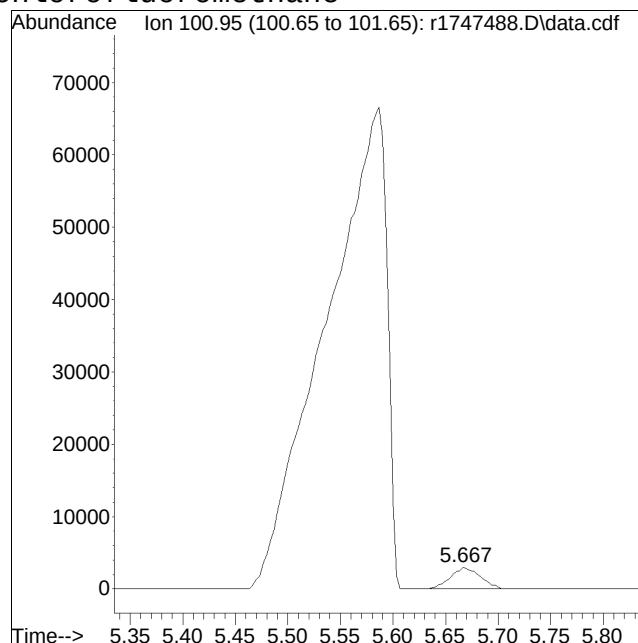
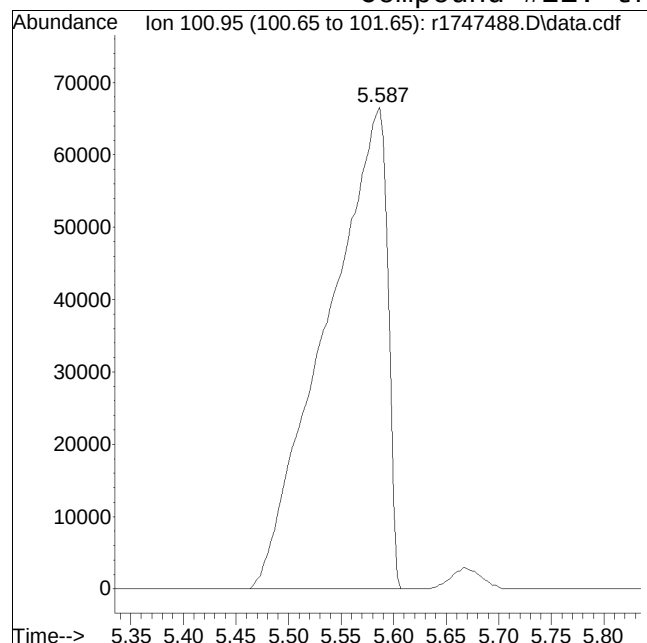


Manual Peak Response = 67528034 m

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747488.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:53 PM Instrument :
Sample : L2509499-06,3,250,250 Quant Date : 3/7/2025 7:39 am

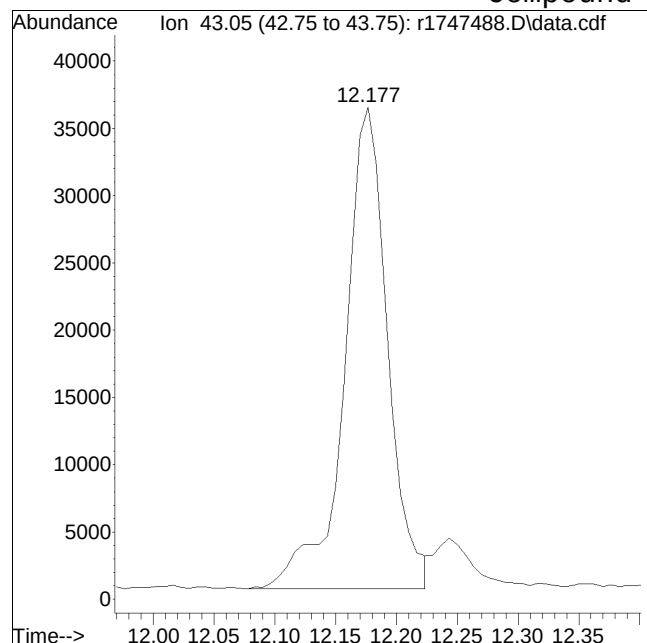
Compound #21: trichlorofluoromethane



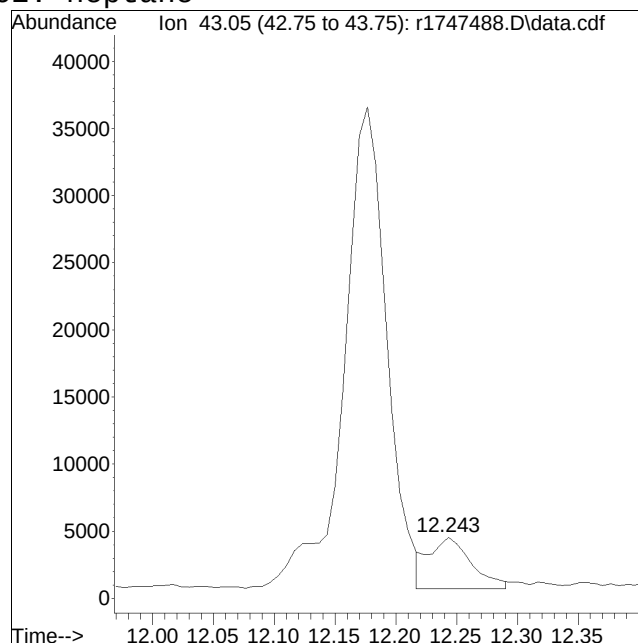
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747488.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:53 PM Instrument :
Sample : L2509499-06,3,250,250 Quant Date : 3/7/2025 7:39 am

Compound #62: heptane



Original Peak Response = 88264

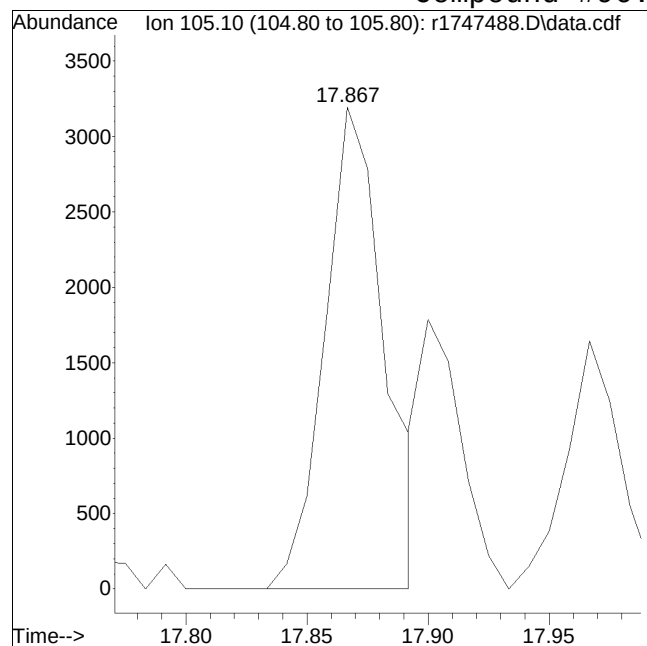


Manual Peak Response = 9328 m

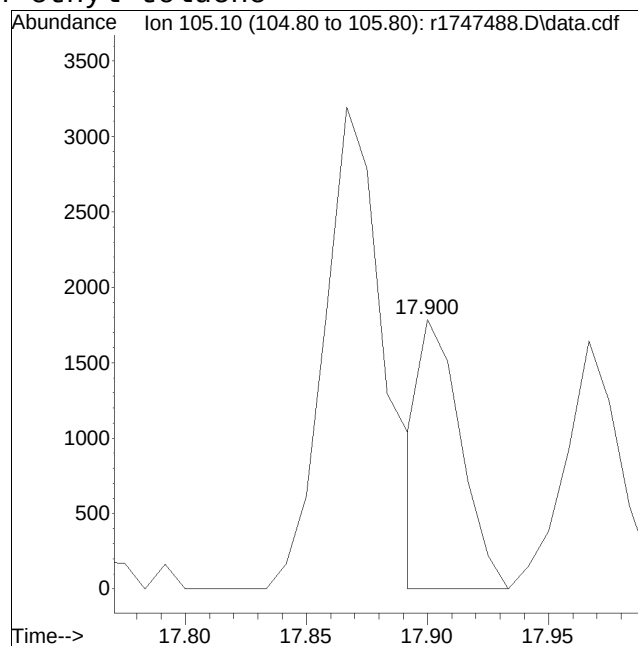
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747488.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:53 PM Instrument :
Sample : L2509499-06,3,250,250 Quant Date : 3/7/2025 7:39 am

Compound #96: 4-ethyl toluene



Original Peak Response = 5472

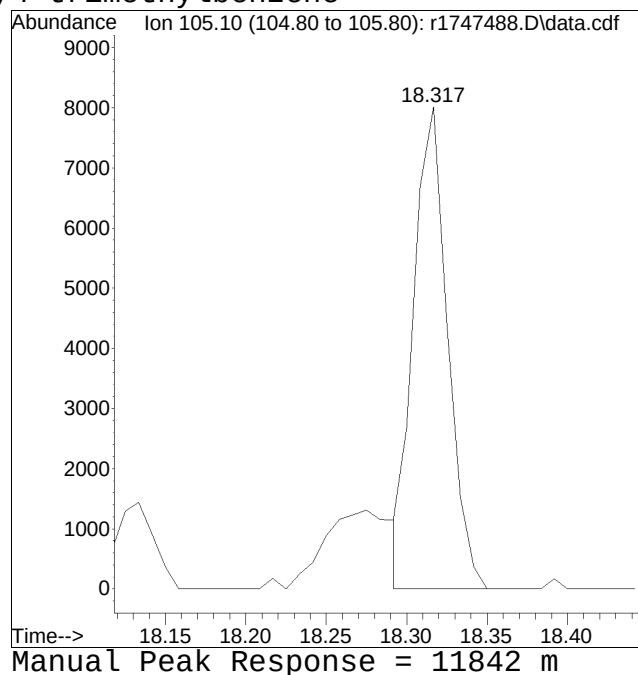
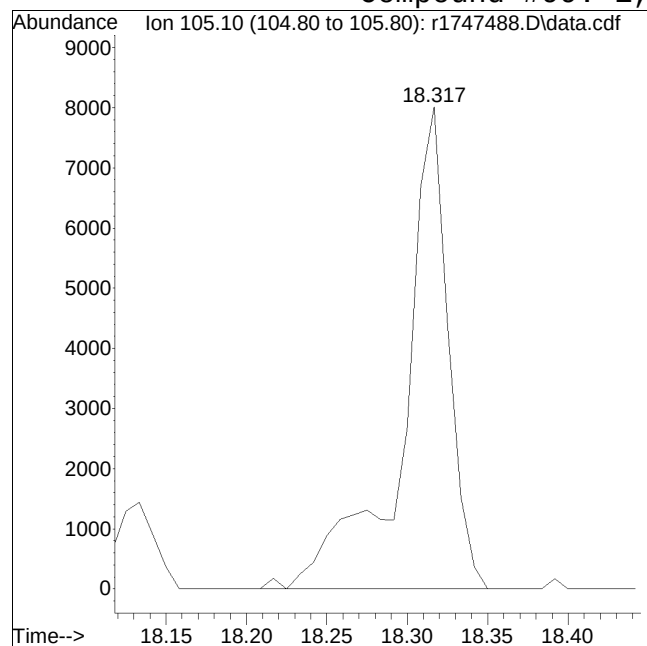


Manual Peak Response = 2116 m

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747488.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 8:53 PM Instrument :
Sample : L2509499-06,3,250,250 Quant Date : 3/7/2025 7:39 am

Compound #99: 1,2,4-trimethylbenzene



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747489.D
 Acq On : 6 Mar 2025 9:31 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-02,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:41:41 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.875	49	234406	10.000	ppbV	0.06
Standard Area = 259437			Recovery =		90.35%	
43) 1,4-difluorobenzene	11.083	114	599660	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		84.88%	
67) chlorobenzene-D5	15.833	54	95242	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		89.53%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	16674	0.712	ppbV	96
6) chloromethane	4.060	50	9860	0.778	ppbV	97
7) Freon-114	4.162		0	N.D.		
10) 1,3-butadiene	4.414		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.990	31	2353797	266.922	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	402207M6	22.344	ppbV	
21) trichlorofluoromethane	5.683	101	5240	0.252	ppbV	100
22) isopropyl alcohol	5.760	45	2227055	97.876	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.504	49	2704	0.164	ppbV #	76
29) 3-chloropropene	6.552		0	N.D.		
30) carbon disulfide	6.798		0	N.D.		
31) Freon 113	6.804	101	2849	0.118	ppbV	93
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.783		0	N.D.		
36) 2-butanone	8.192	43	7962	0.261	ppbV	98
38) Ethyl Acetate	8.958	61	6990	1.681	ppbV #	1
39) chloroform	9.025	83	2103	0.094	ppbV	97
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	0.000		0	N.D.	d	
50) benzene	10.657	78	9563	0.227	ppbV	98
53) cyclohexane	10.983		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747489.D
 Acq On : 6 Mar 2025 9:31 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-02,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:41:41 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	11.883		0	N.D.		
60) 2,2,4-trimethylpentane	11.937	57	2914	0.047	ppbV #	82
62) heptane	12.257	43	1724M3	0.059	ppbV	
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.975		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	14.050	91	12687	0.234	ppbV	96
72) 2-hexanone	14.275		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233	91	2986	0.043	ppbV	90
83) m+p-xylene	16.392	91	7614	0.138	ppbV	96
84) bromoform	0.000		0	N.D.		
85) styrene	16.733		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.825	91	3630	0.066	ppbV	94
96) 4-ethyl toluene	17.875		0	N.D.		
97) 1,3,5-trimethylbenzene	17.875		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317	105	2141M6	0.034	ppbV	
101) Benzyl Chloride	18.317		0	N.D.		
102) 1,3-dichlorobenzene	18.508		0	N.D.		
103) 1,4-dichlorobenzene	18.508		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.392		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747489.D

Acq On : 6 Mar 2025 9:31 PM

Operator : AIRLAB17:TPH

Sample : L2509499-02,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

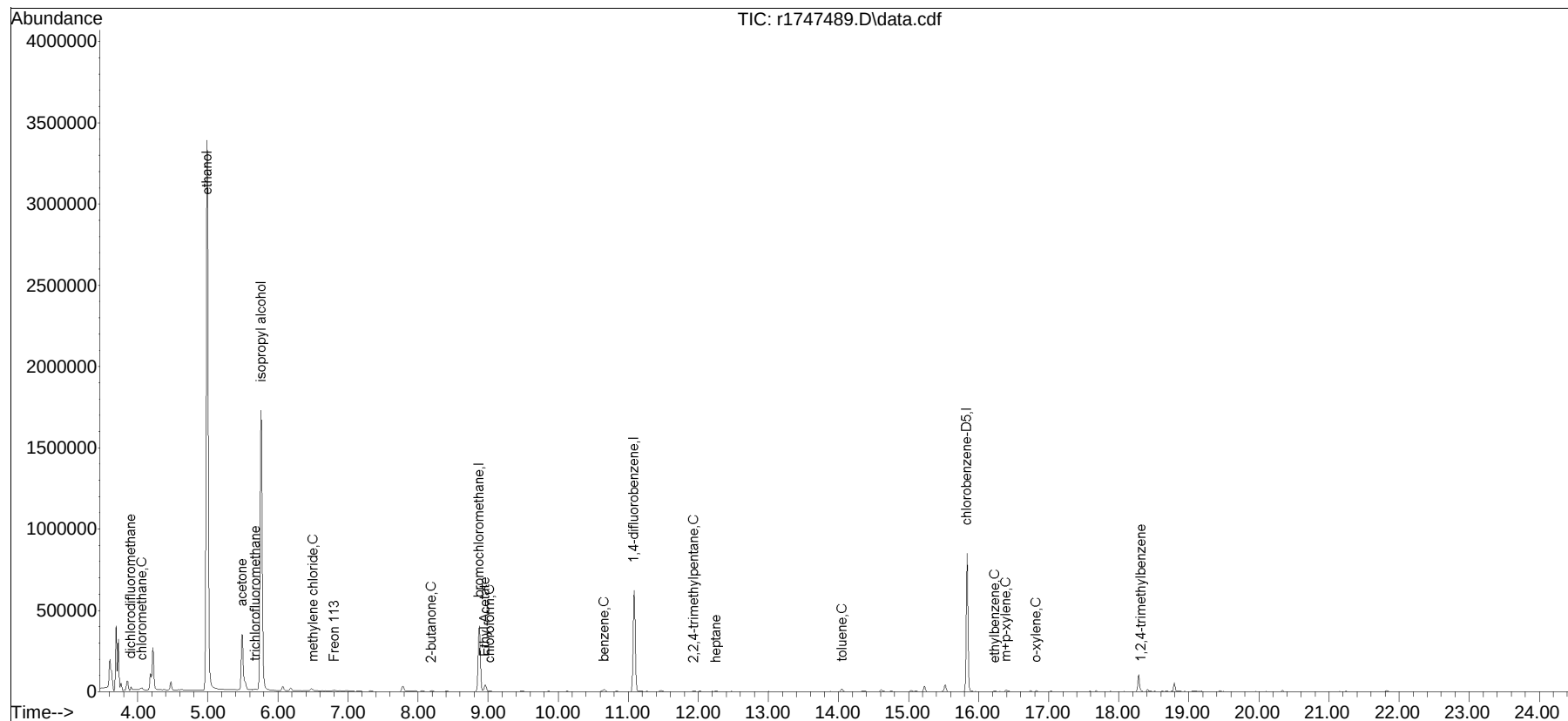
Quant Time: Mar 07 07:41:41 2025

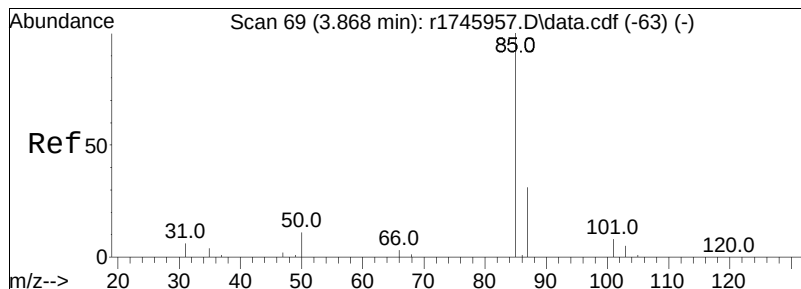
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

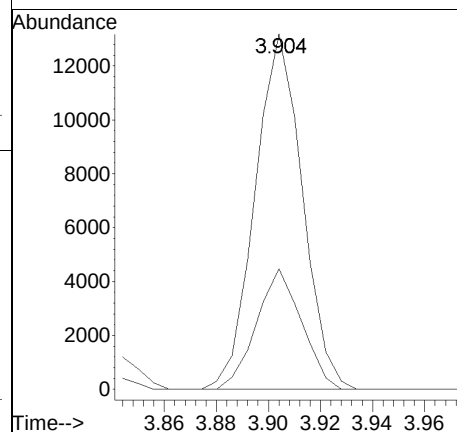
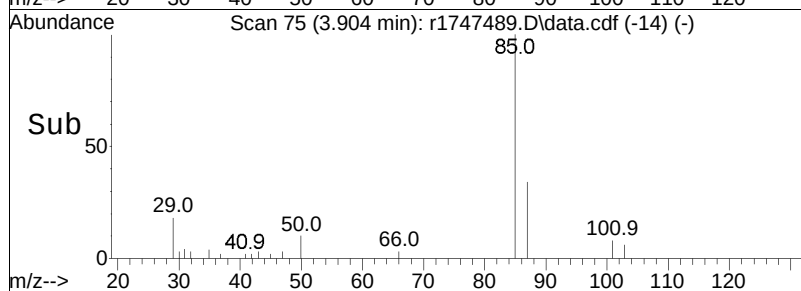
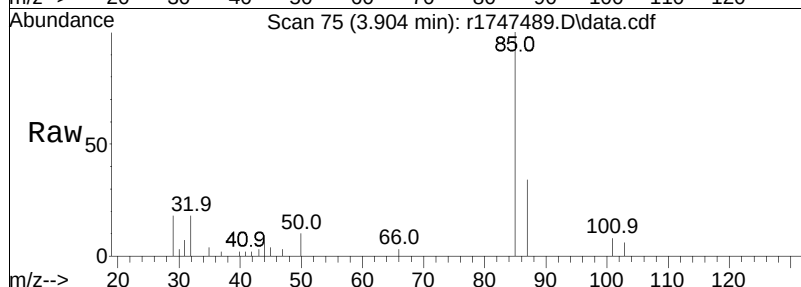
Response via : Initial Calibration

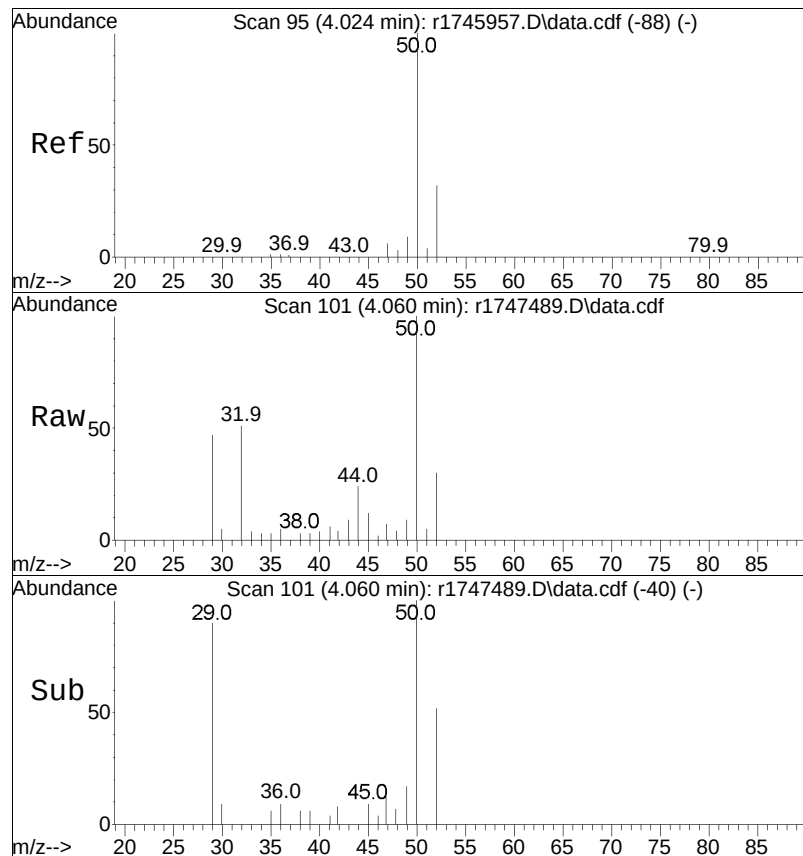




#5
 dichlorodifluoromethane
 Concen: 0.71 ppbV
 RT: 3.904 min Scan# 75
 Delta R.T. 0.036 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

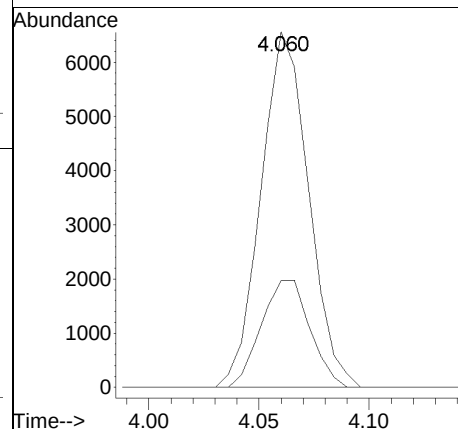
Tgt Ion: 85 Resp: 16674
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.2 37.8

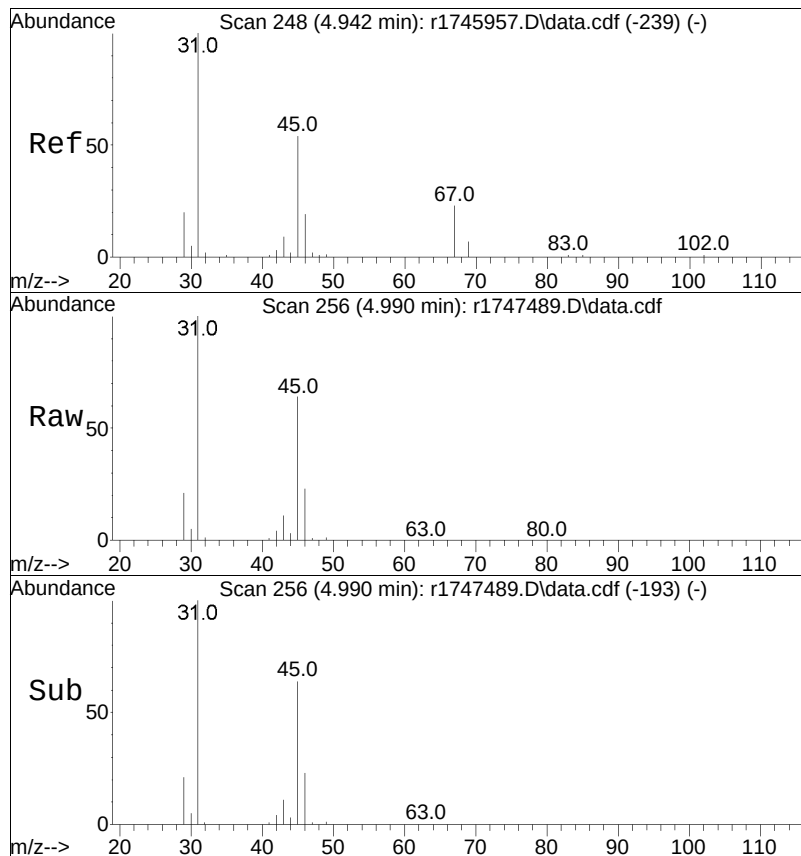




#6
 chloromethane
 Concen: 0.78 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

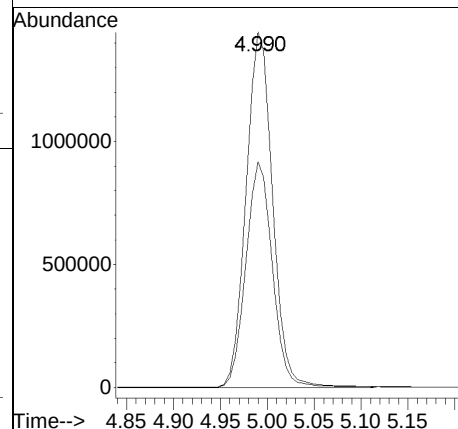
Tgt	Ion	Ratio	Lower	Upper
50	100			
52	30.1	25.4	38.2	

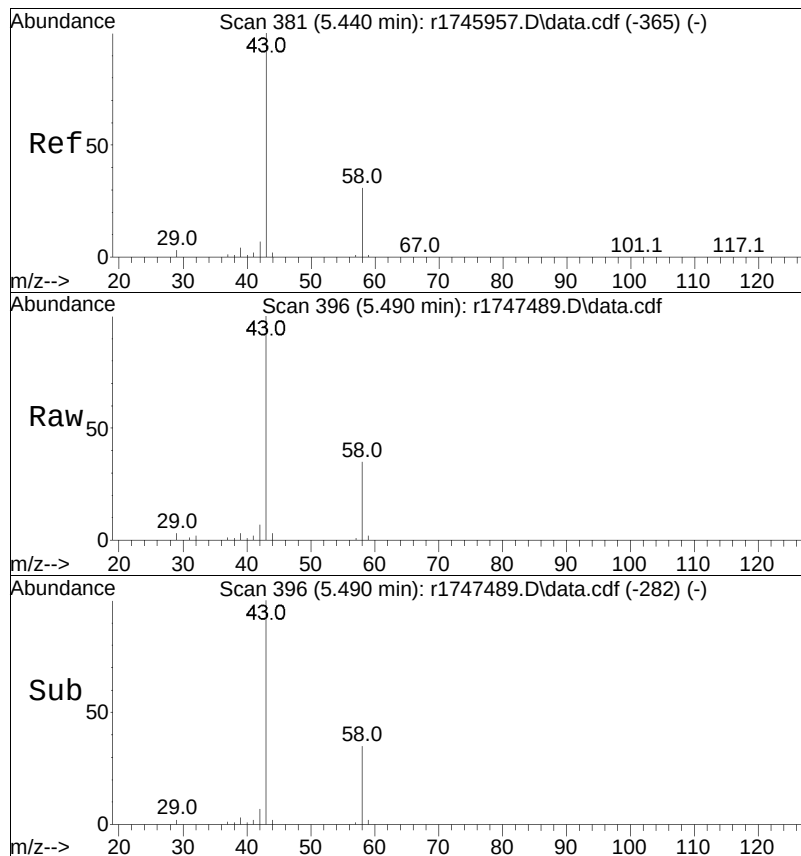




#15
 ethanol
 Concen: 266.92 ppbV
 RT: 4.990 min Scan# 256
 Delta R.T. 0.048 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

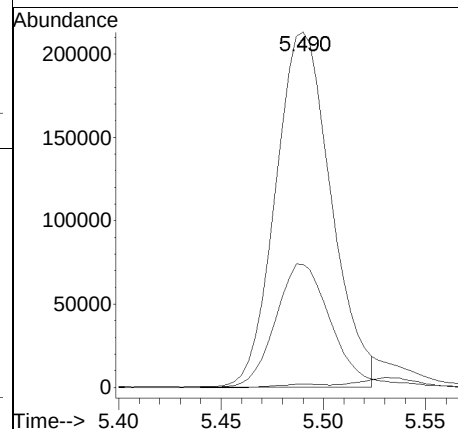
Tgt Ion	Ratio	Lower	Upper
31	100		
45	63.5	43.0	64.6

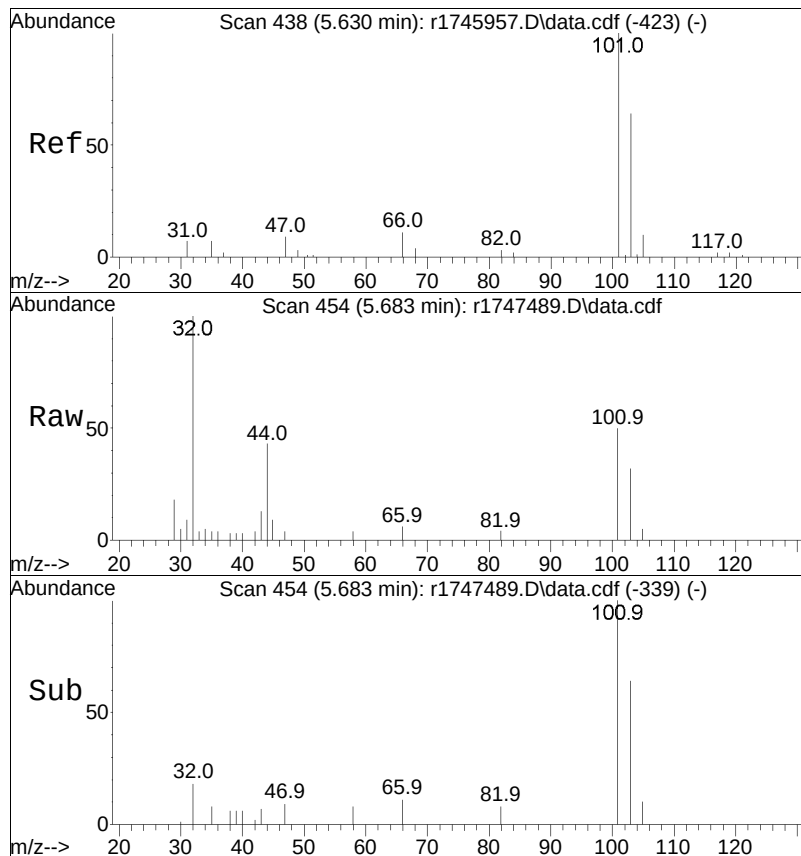




#19
acetone
Concen: 22.34 ppbV m
RT: 5.490 min Scan# 396
Delta R.T. 0.050 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

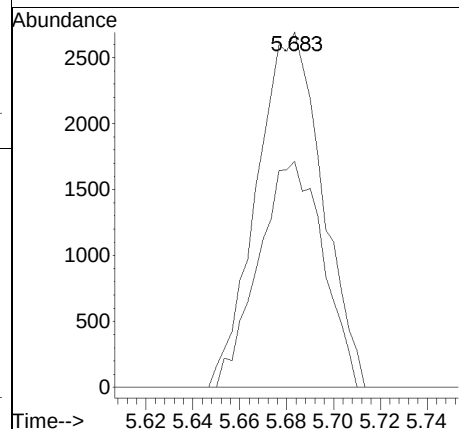
Tgt	Ion: 43	Resp: 402207
Ion	Ratio	Lower Upper
43	100	
58	34.6	24.7 37.1
57	0.9	0.6 0.8#

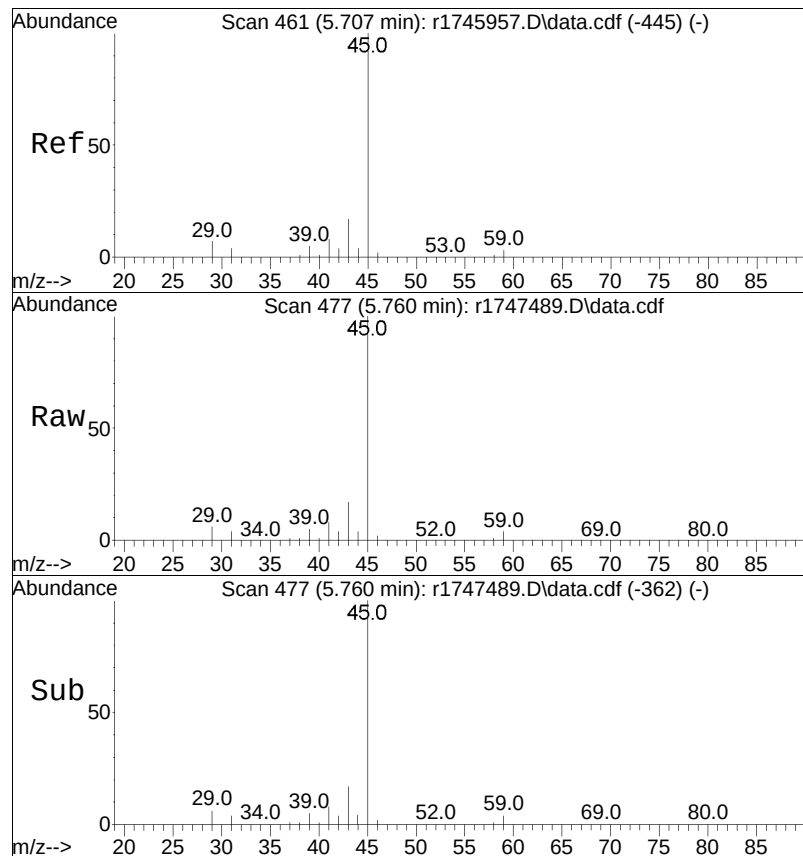




#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.683 min Scan# 454
Delta R.T. 0.053 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

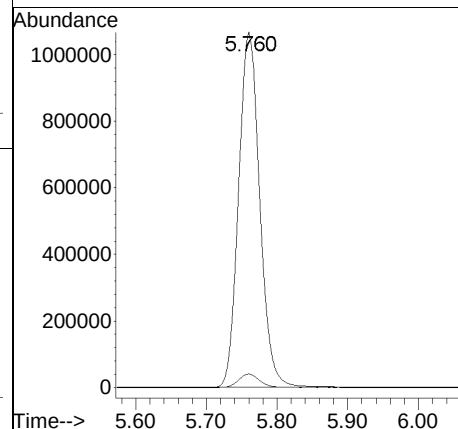
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	63.6	50.9	76.3	

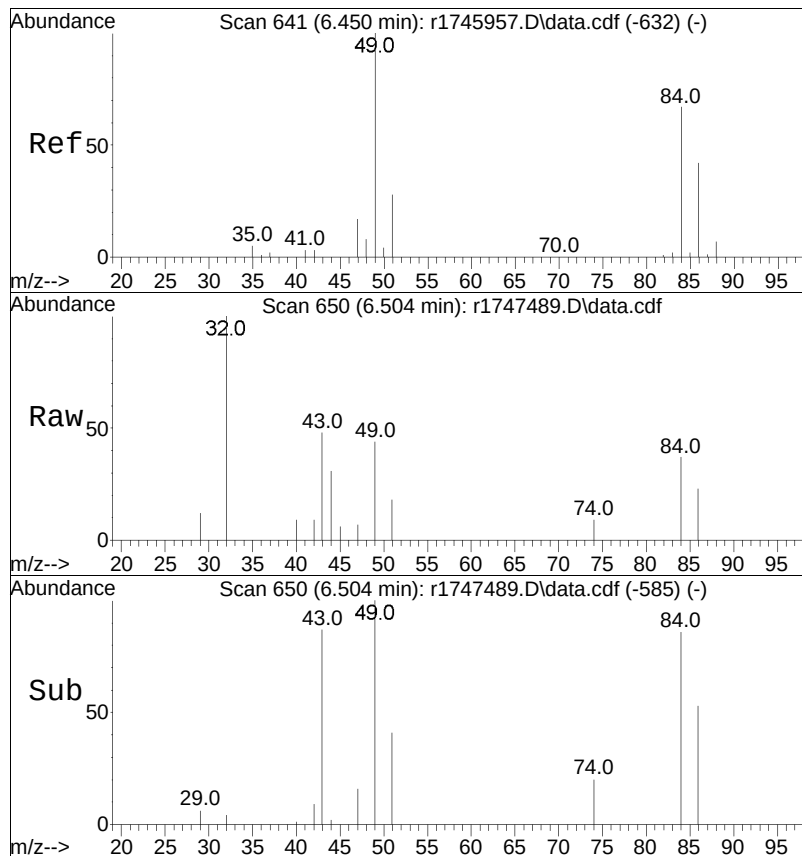




#22
 isopropyl alcohol
 Concen: 97.88 ppbV
 RT: 5.760 min Scan# 477
 Delta R.T. 0.053 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

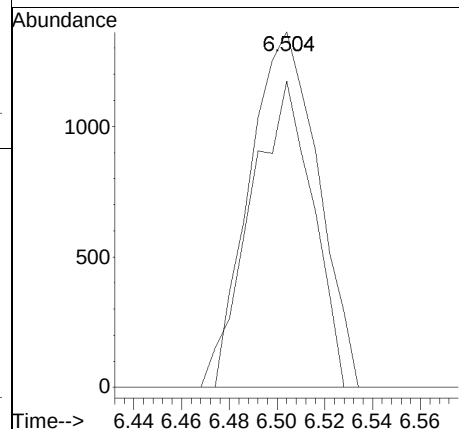
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.8	2.6	4.0

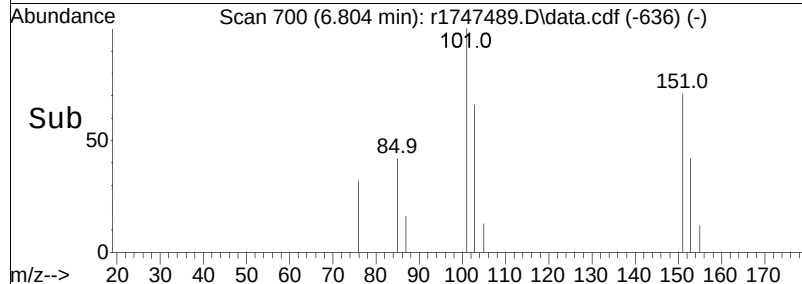
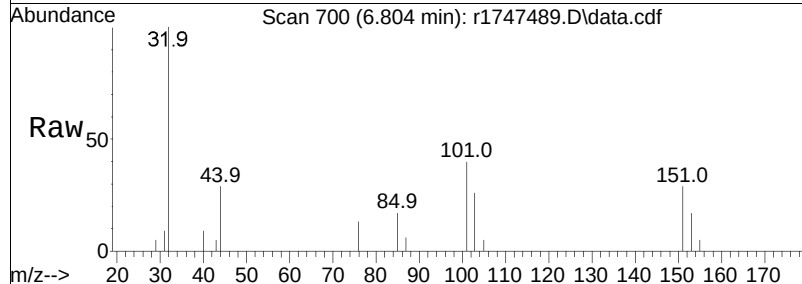
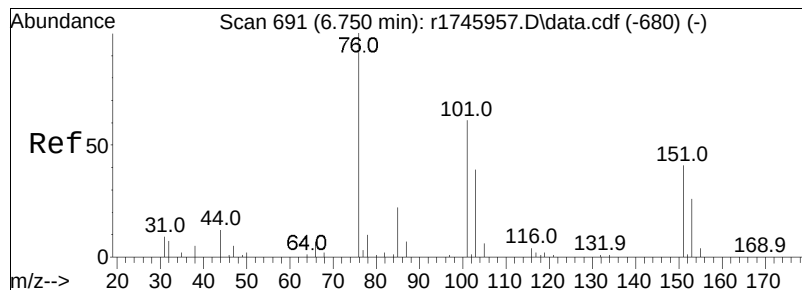




#28
 methylene chloride
 Concen: 0.16 ppbV
 RT: 6.504 min Scan# 650
 Delta R.T. 0.054 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

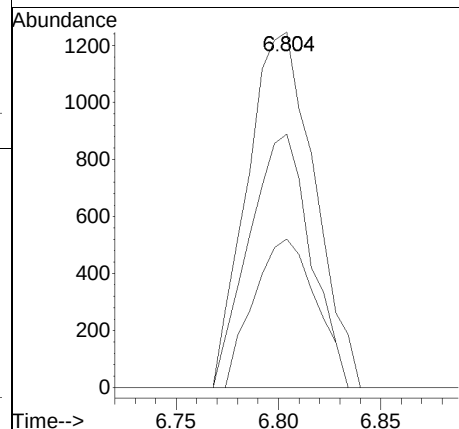
Tgt Ion:	49	84	Resp:	2704
Ion Ratio	100	86.1	Lower	Upper
			53.4	80.0#

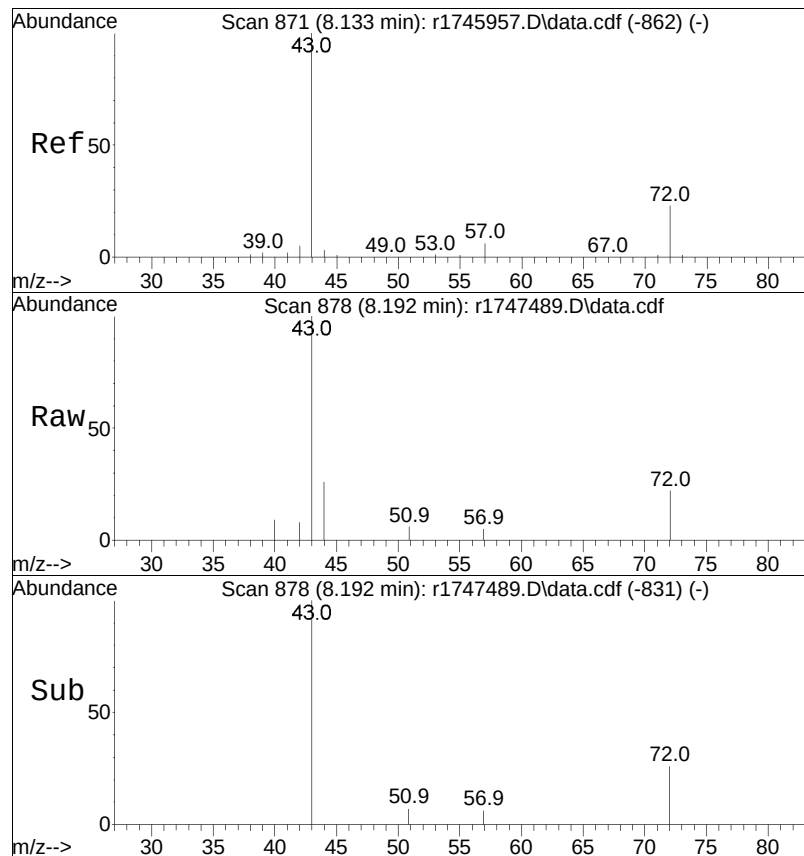




#31
 Freon 113
 Concen: 0.12 ppbV
 RT: 6.804 min Scan# 700
 Delta R.T. 0.054 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

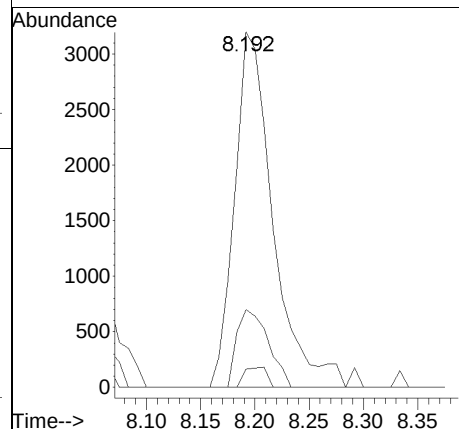
Tgt Ion:	101	Resp:	2849
Ion Ratio	Lower	Upper	
101	100		
85	41.8	29.0	43.4
151	71.3	53.6	80.4

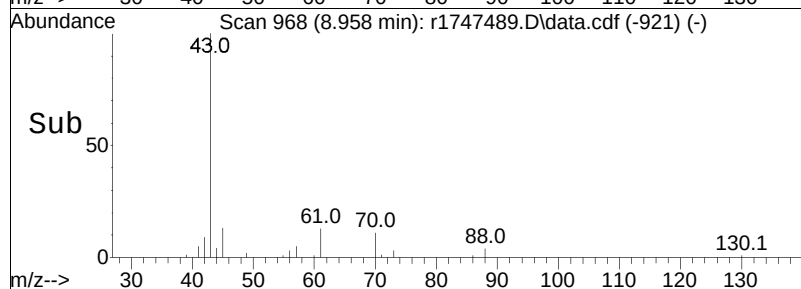
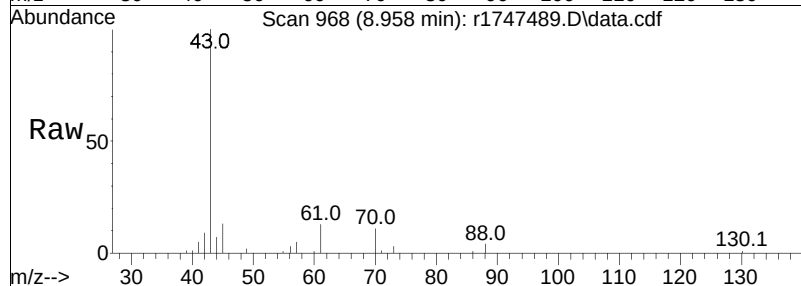
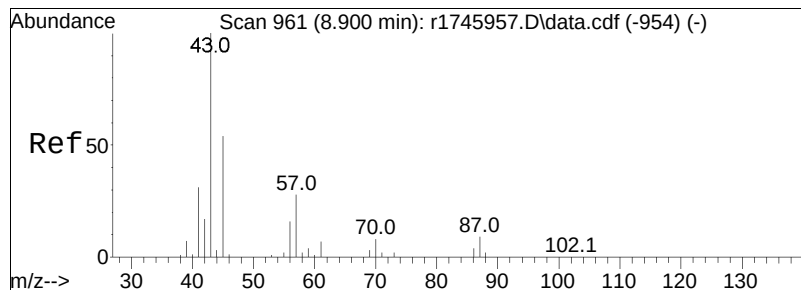




#36
 2-butanone
 Concen: 0.26 ppbV
 RT: 8.192 min Scan# 878
 Delta R.T. 0.058 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

Tgt Ion:	43	Resp:	7962
Ion Ratio	Lower	Upper	
43	100		
72	21.9	18.1	27.1
57	5.1	4.6	6.8





#38

Ethyl Acetate

Concen: 1.68 ppbV

RT: 8.958 min Scan# 968

Delta R.T. 0.058 min

Lab File: r1747489.D

Acq: 6 Mar 2025 9:31 PM

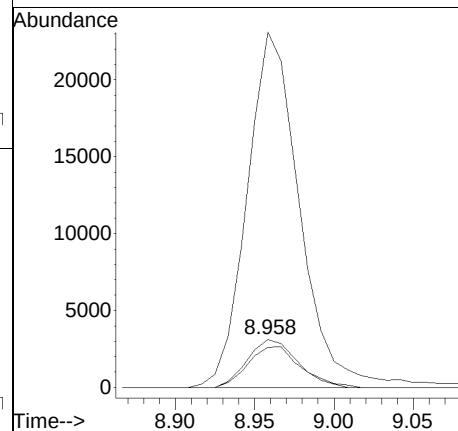
Tgt Ion: 61 Resp: 6990

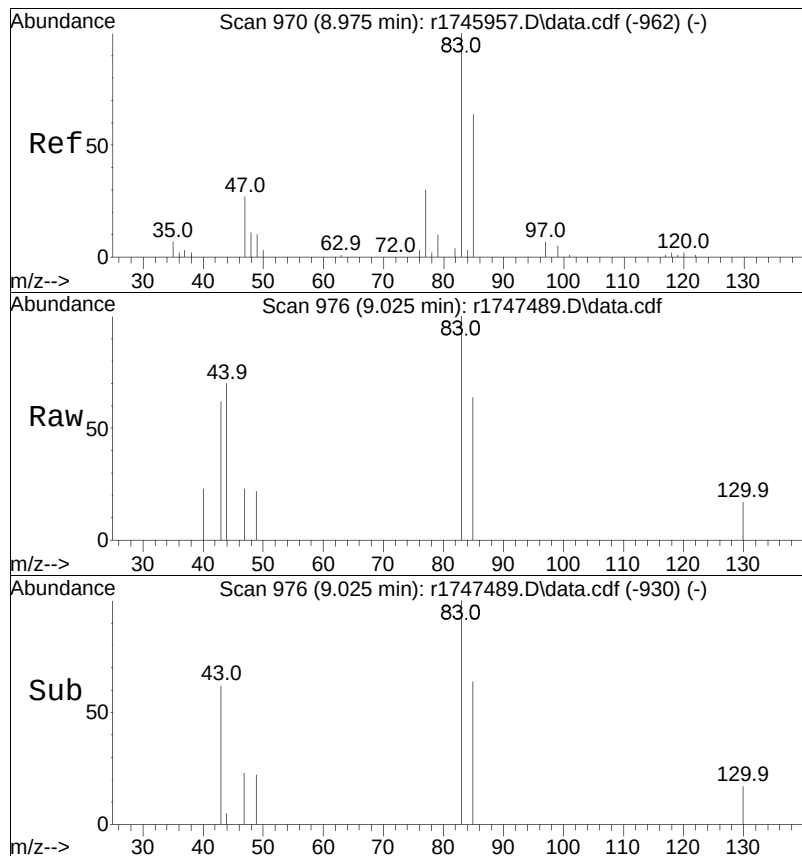
Ion Ratio Lower Upper

61 100

70 83.8 85.8 128.8#

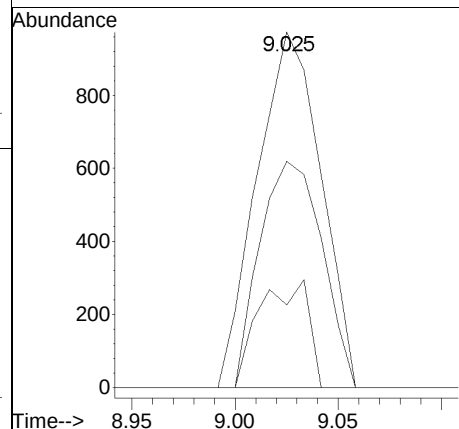
43 743.2 1077.6 1616.4#

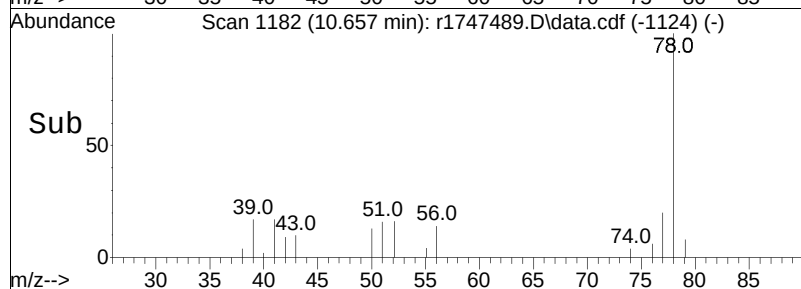
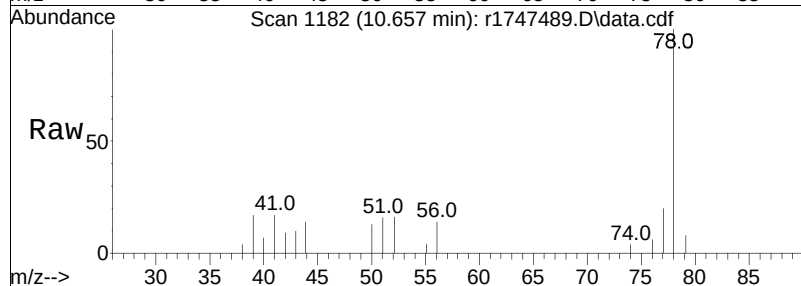
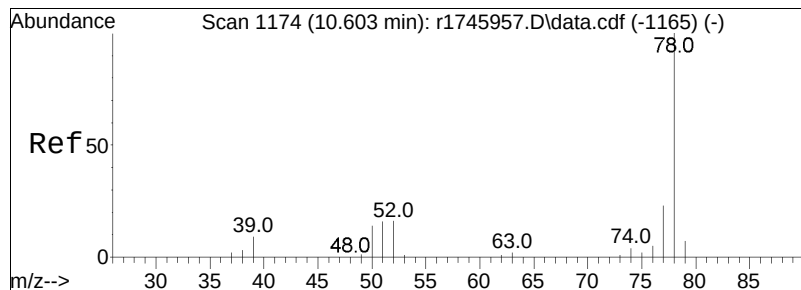




#39
chloroform
Concen: 0.09 ppbV
RT: 9.025 min Scan# 976
Delta R.T. 0.050 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

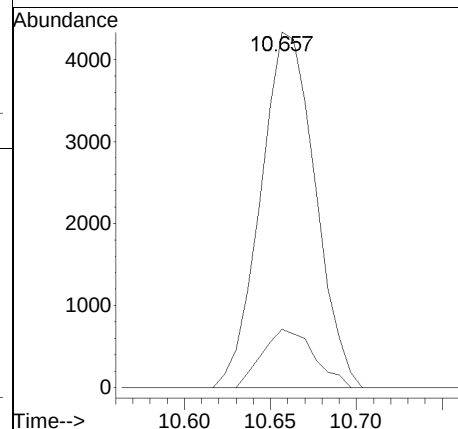
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4
47	23.2	21.4	32.2

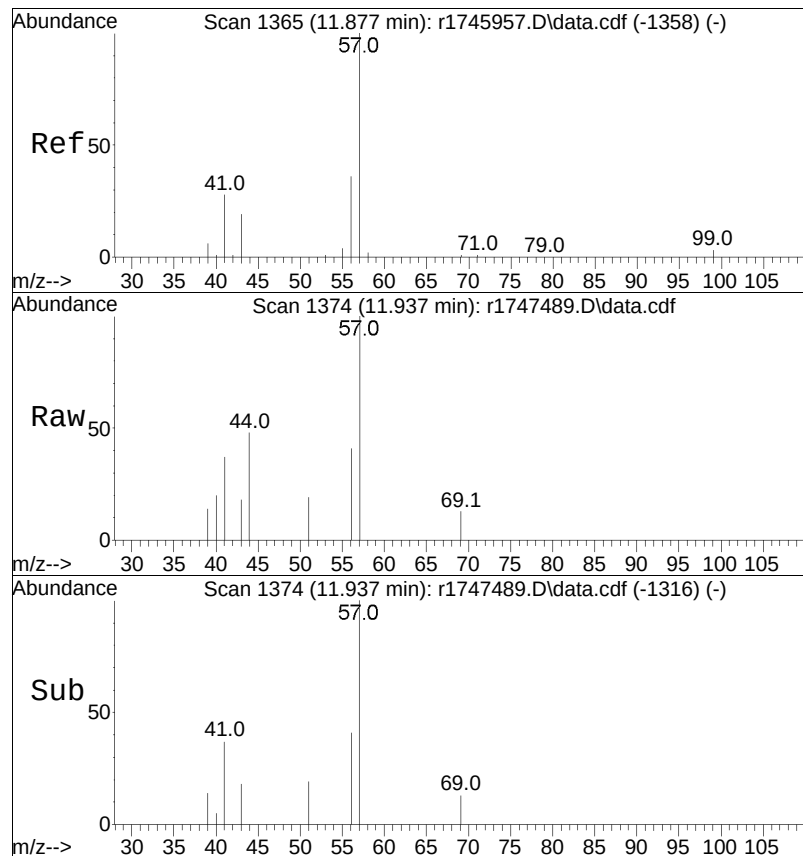




#50
benzene
Concen: 0.23 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

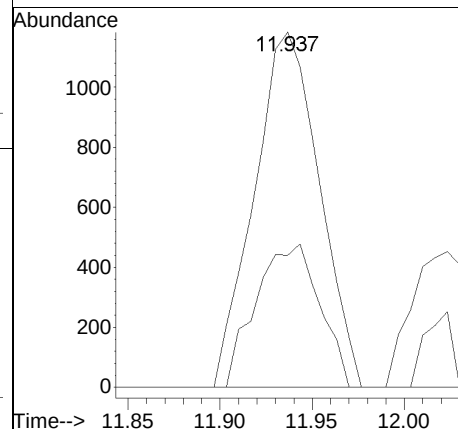
Tgt Ion	Ratio	Lower	Upper
78	100		
52	16.4	12.5	18.7

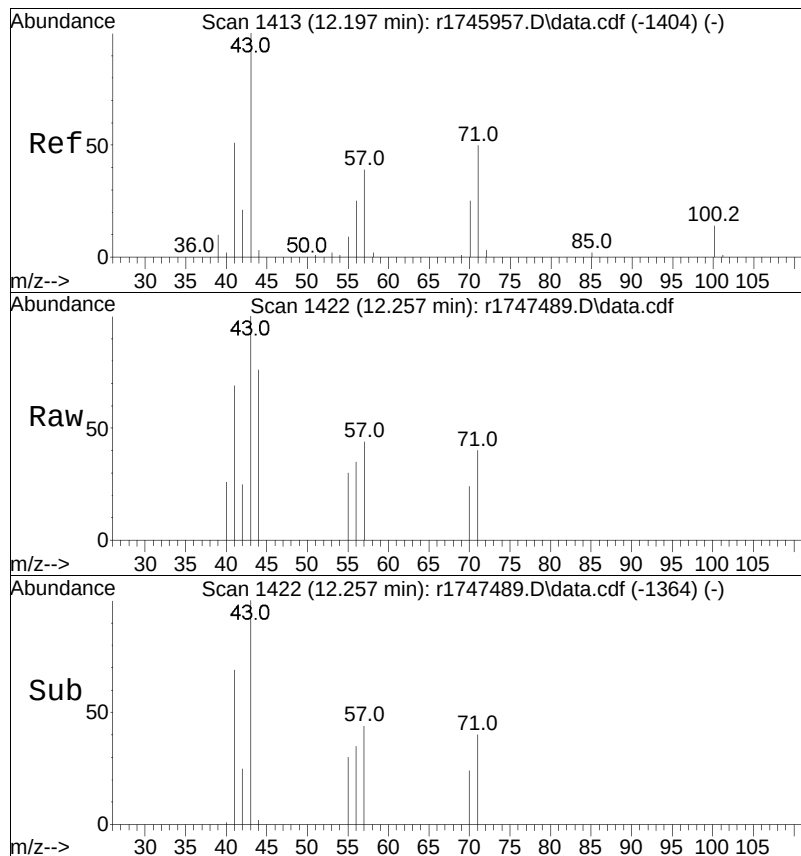




#60
 2,2,4-trimethylpentane
 Concen: 0.05 ppbV
 RT: 11.937 min Scan# 1374
 Delta R.T. 0.060 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

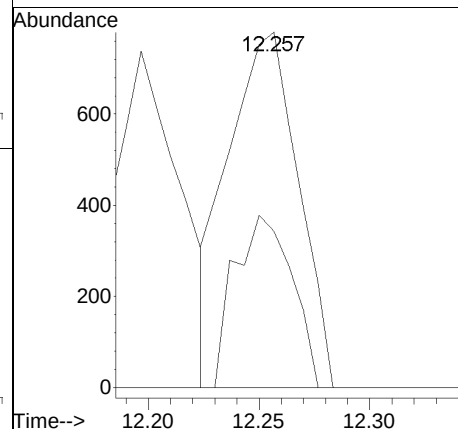
Tgt Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	6.8#
41	37.2	22.3	33.5#

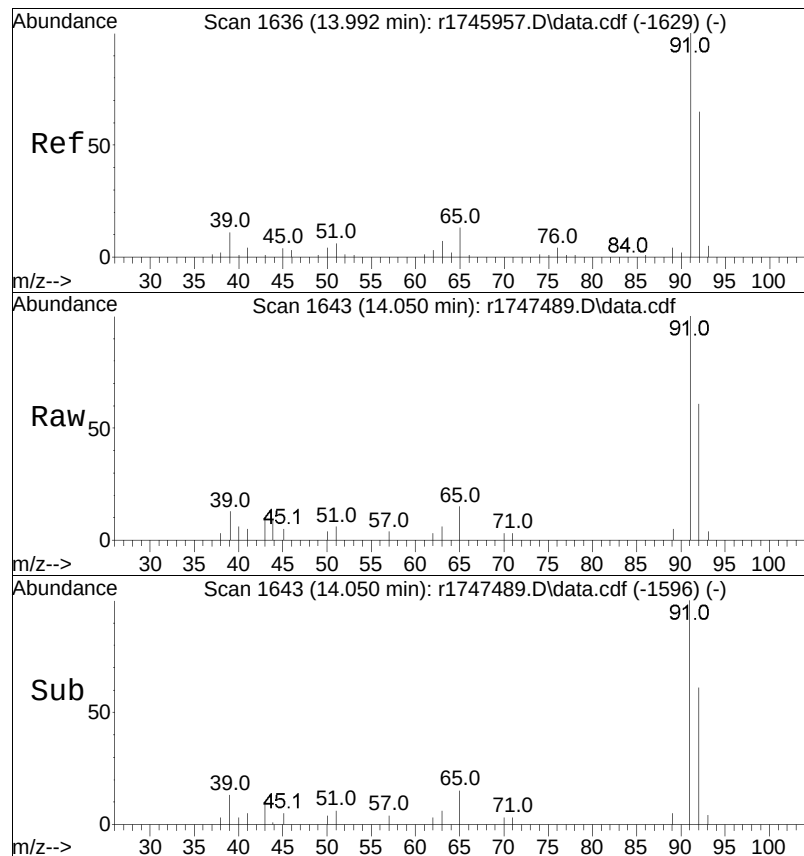




#62
 heptane
 Concen: 0.06 ppbV m
 RT: 12.257 min Scan# 1422
 Delta R.T. 0.060 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

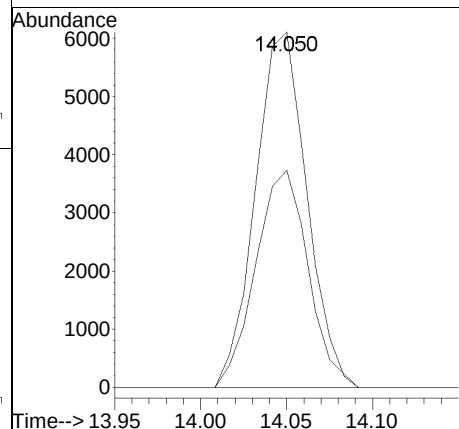
Tgt Ion:	43	Resp:	1724
Ion Ratio	Lower	Upper	
43	100		
57	44.0	31.1	46.7
100	0.0	11.4	17.2#

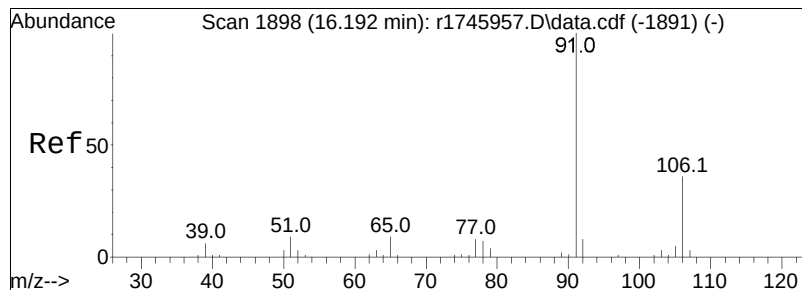




#68
toluene
Concen: 0.23 ppbV
RT: 14.050 min Scan# 1643
Delta R.T. 0.058 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

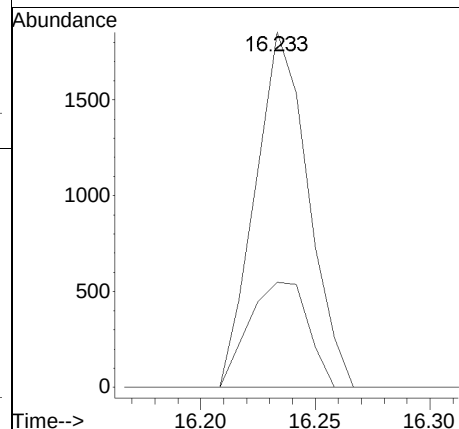
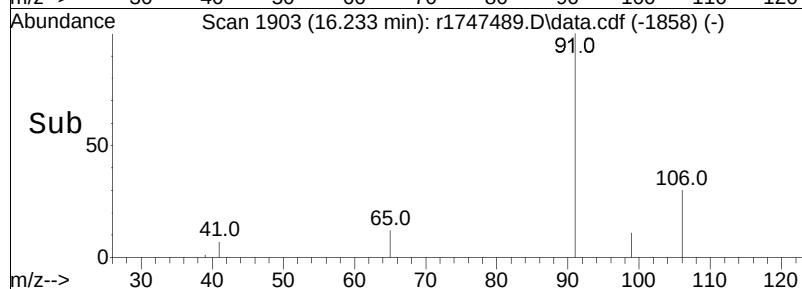
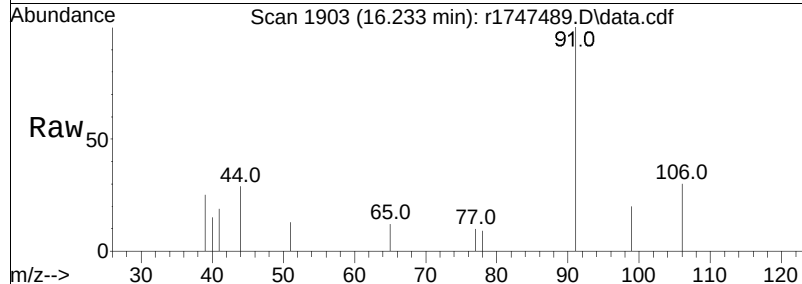
Tgt	Ion	Resp	Lower	Upper
91	100	12687		
92	61.1	51.7	77.5	

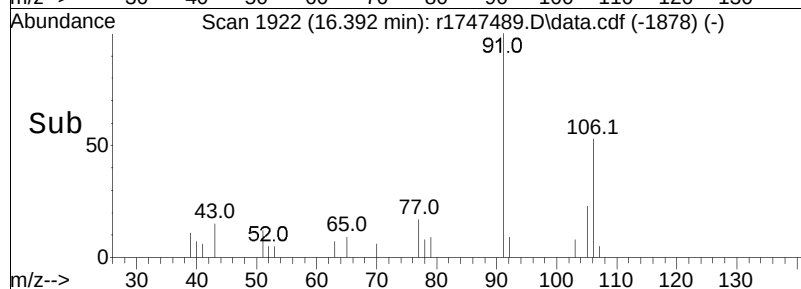
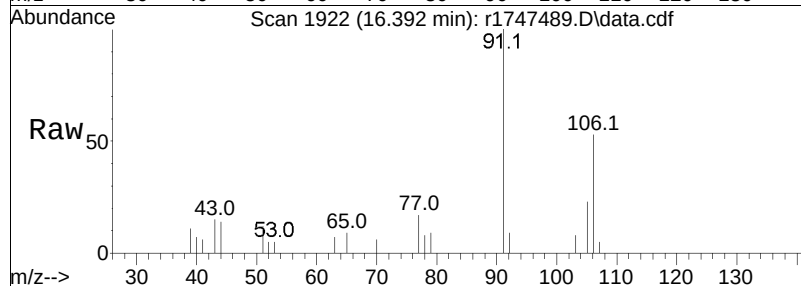
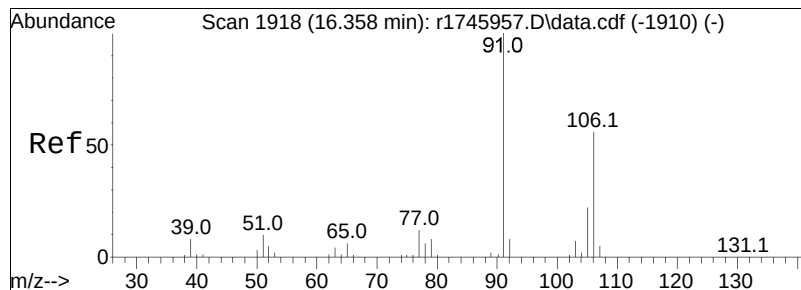




#81
ethylbenzene
Concen: 0.04 ppbV
RT: 16.233 min Scan# 1903
Delta R.T. 0.042 min
Lab File: r1747489.D
Acq: 6 Mar 2025 9:31 PM

Tgt	Ion	Resp	Lower	Upper
91	100	2986		
106	29.6	28.5	42.7	





#83

m+p-xylene

Concen: 0.14 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747489.D

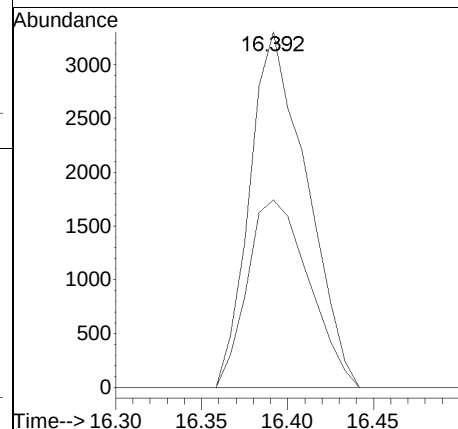
Acq: 6 Mar 2025 9:31 PM

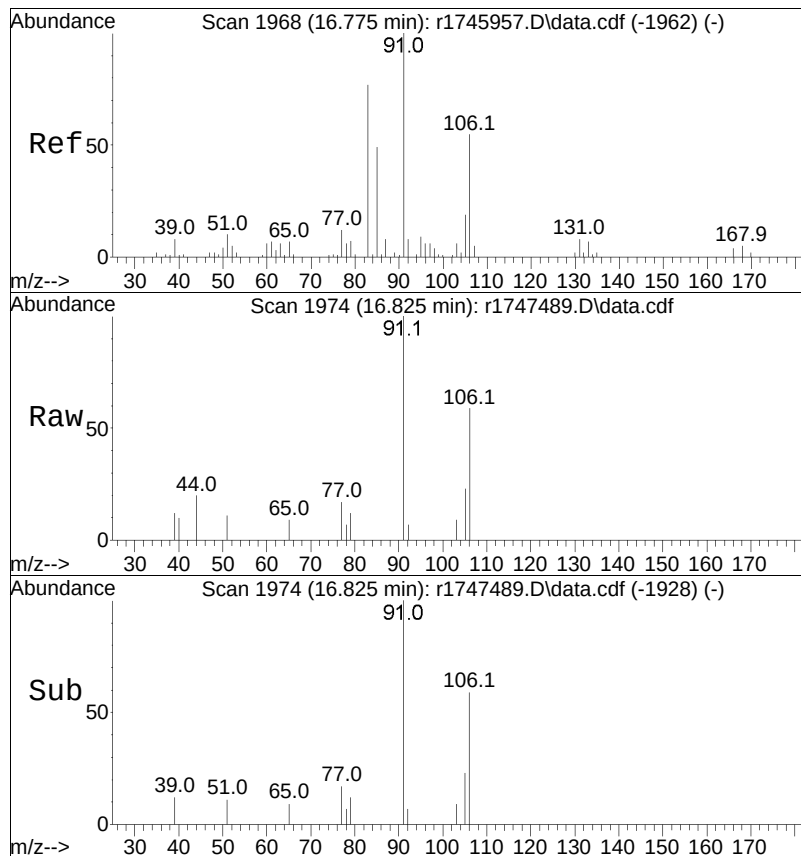
Tgt Ion: 91 Resp: 7614

Ion Ratio Lower Upper

91 100

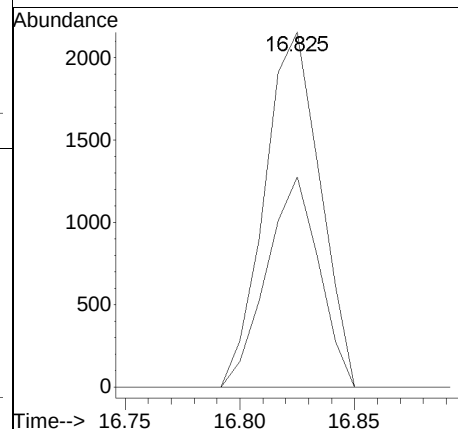
106 52.8 44.7 67.1

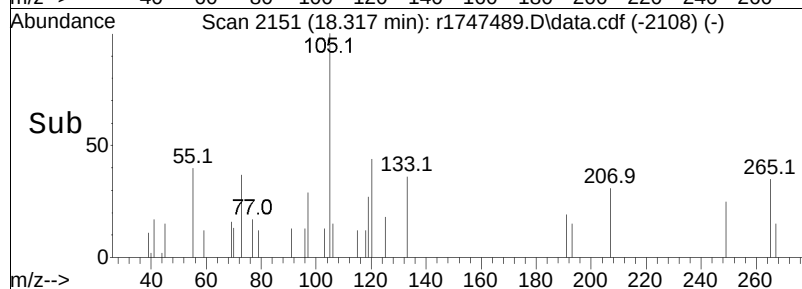
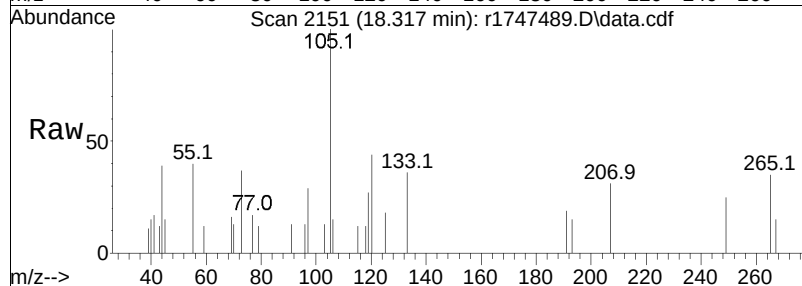
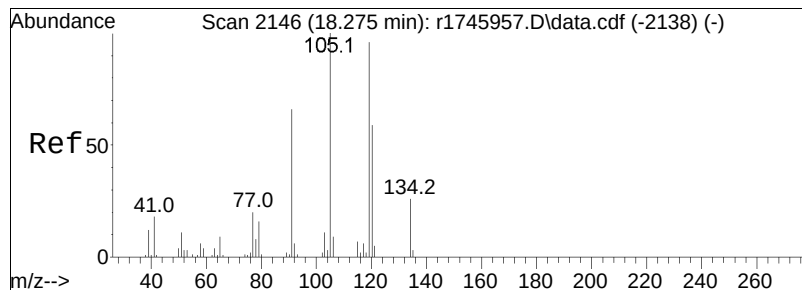




#87
 o-xylene
 Concen: 0.07 ppbV
 RT: 16.825 min Scan# 1974
 Delta R.T. 0.050 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

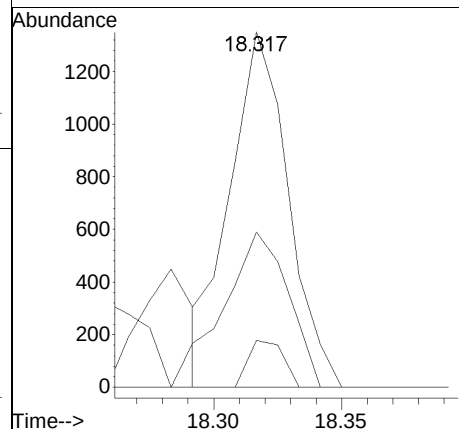
Tgt Ion:	91	Resp:	3630
Ion Ratio	Lower	Upper	
91	100		
106	59.2	43.9	65.9





#99
 1,2,4-trimethylbenzene
 Concen: 0.03 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747489.D
 Acq: 6 Mar 2025 9:31 PM

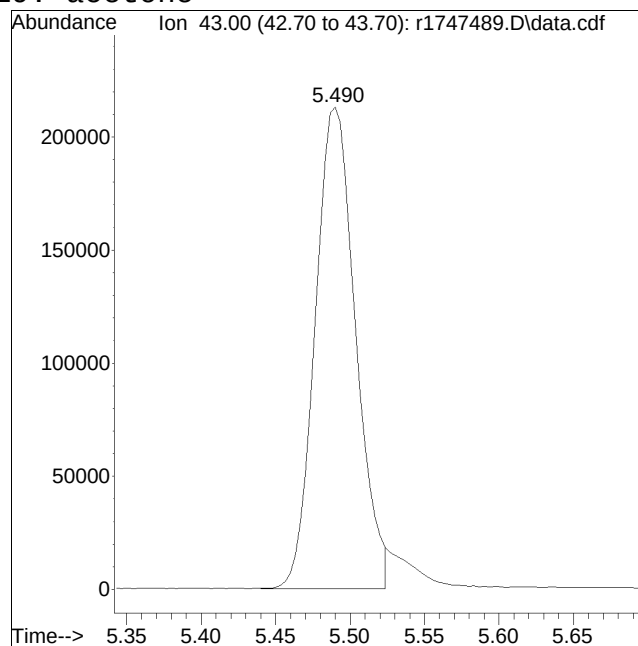
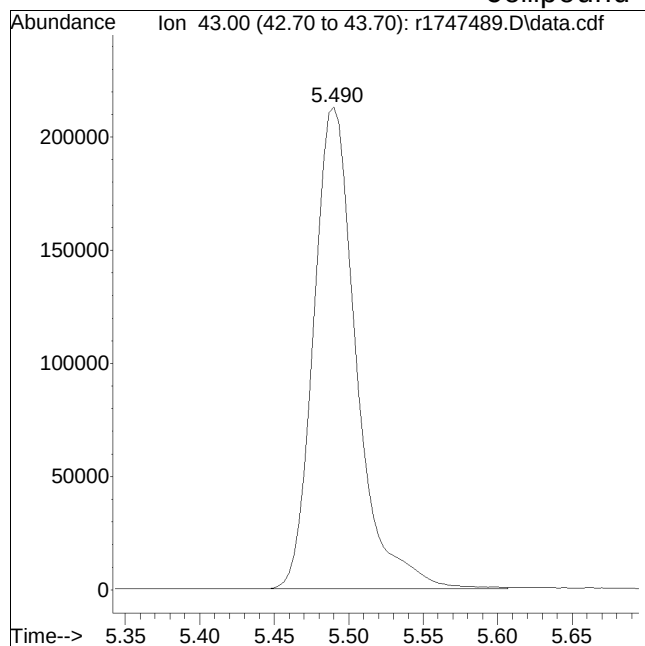
Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	47.1	70.7#
91	13.2	53.0	79.4#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747489.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 9:31 PM Instrument :
Sample : L2509499-02,3,250,250 Quant Date : 3/7/2025 7:41 am

Compound #19: acetone



Original Peak Response = 424627

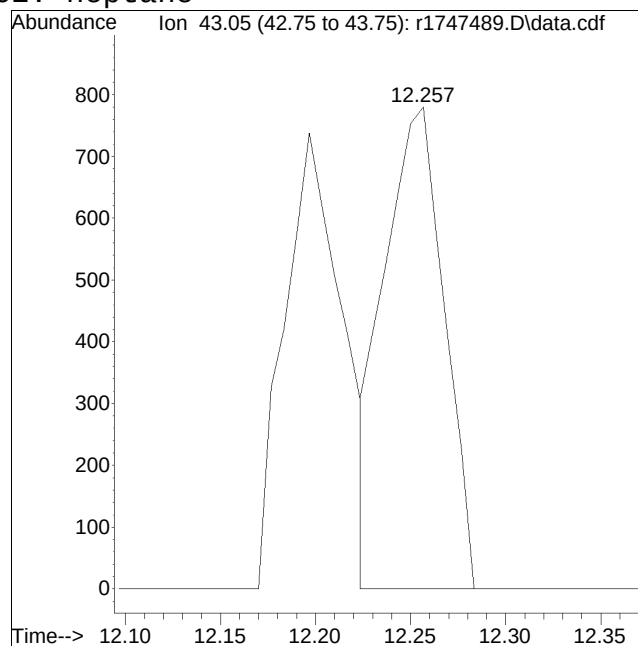
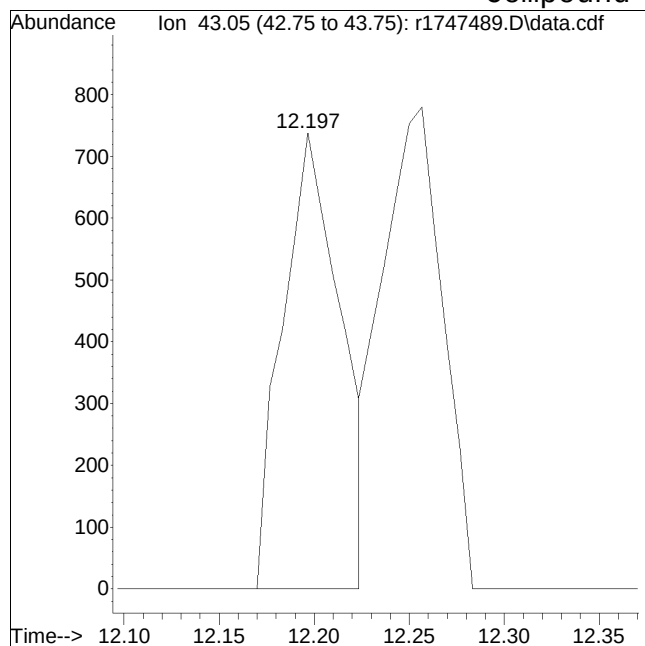
Manual Peak Response = 402207 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747489.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 9:31 PM Instrument :
Sample : L2509499-02,3,250,250 Quant Date : 3/7/2025 7:41 am

Compound #62: heptane



Original Peak Response = 1562

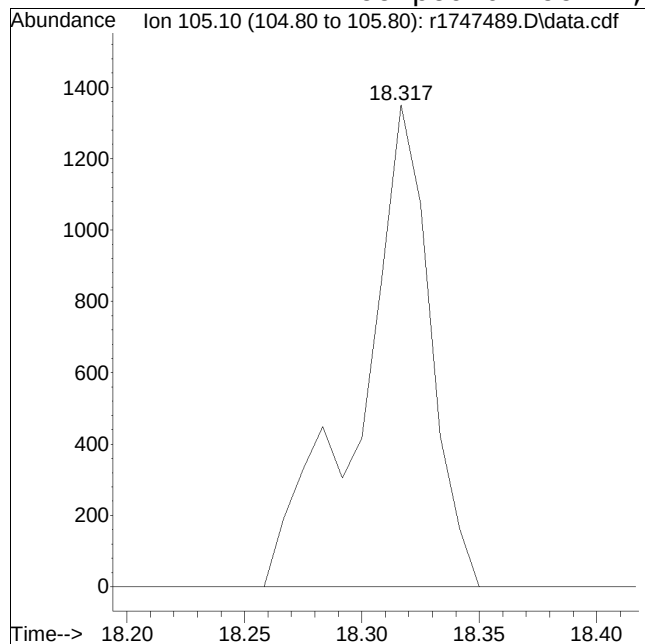
Manual Peak Response = 1724 M3

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

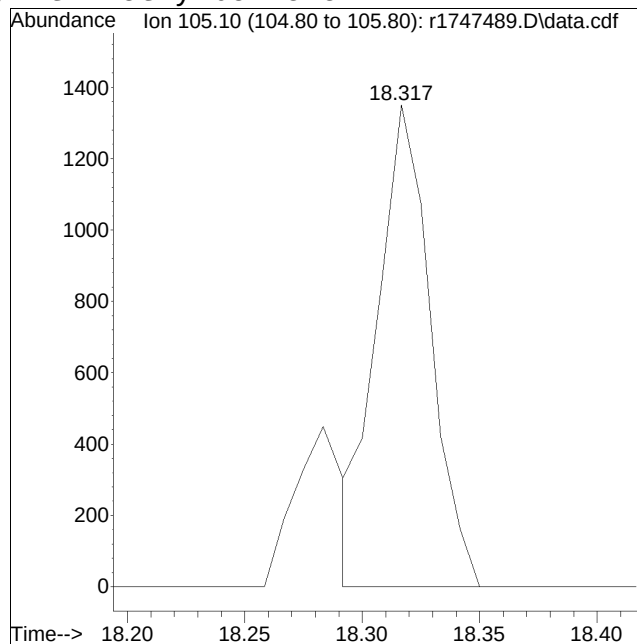
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747489.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 9:31 PM Instrument :
Sample : L2509499-02,3,250,250 Quant Date : 3/7/2025 7:41 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 2779

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



Manual Peak Response = 2141 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747490.D
 Acq On : 6 Mar 2025 10:10 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-03,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:42:15 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.875	49	230023	10.000	ppbV	0.06
Standard Area = 259437			Recovery =	88.66%		
43) 1,4-difluorobenzene	11.083	114	584143	10.000	ppbV	0.05
Standard Area = 706449			Recovery =	82.69%		
67) chlorobenzene-D5	15.833	54	93316	10.000	ppbV	0.04
Standard Area = 106378			Recovery =	87.72%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.910	85	16453	0.716	ppbV	96
6) chloromethane	4.066	50	9615	0.773	ppbV	95
7) Freon-114	4.174		0	N.D.		
10) 1,3-butadiene	4.420		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.990	31	1965856	227.177	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	217898M6	12.336	ppbV	
21) trichlorofluoromethane	5.680	101	5500	0.270	ppbV	93
22) isopropyl alcohol	5.760	45	523884	23.463	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.504	49	2946	0.182	ppbV	92
29) 3-chloropropene	6.498		0	N.D.		
30) carbon disulfide	6.798		0	N.D.		
31) Freon 113	6.798	101	2554	0.107	ppbV	98
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	8.192	43	6619	0.221	ppbV #	95
38) Ethyl Acetate	8.958	61	4999	1.225	ppbV #	1
39) chloroform	9.025	83	1566	0.072	ppbV #	77
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.850		0	N.D.		
44) hexane	0.000		0	N.D.	d	
50) benzene	10.657	78	9366	0.228	ppbV	100
53) cyclohexane	10.977		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747490.D
 Acq On : 6 Mar 2025 10:10 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-03,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:42:15 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.937	57	2788	0.046	ppbV #	86
62) heptane	12.250	43	1311M3	0.046	ppbV	
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917		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	14.042	91	12407	0.234	ppbV	99
72) 2-hexanone	14.292		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233	91	2243	0.033	ppbV	99
83) m+p-xylene	16.392	91	5269	0.098	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.825	91	2338	0.043	ppbV	94
96) 4-ethyl toluene	17.867		0	N.D.		
97) 1,3,5-trimethylbenzene	17.975		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317	105	1929M6	0.032	ppbV	
101) Benzyl Chloride	18.317		0	N.D.		
102) 1,3-dichlorobenzene	18.500		0	N.D.		
103) 1,4-dichlorobenzene	18.500		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.392		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747490.D

Acq On : 6 Mar 2025 10:10 PM

Operator : AIRLAB17:TPH

Sample : L2509499-03,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

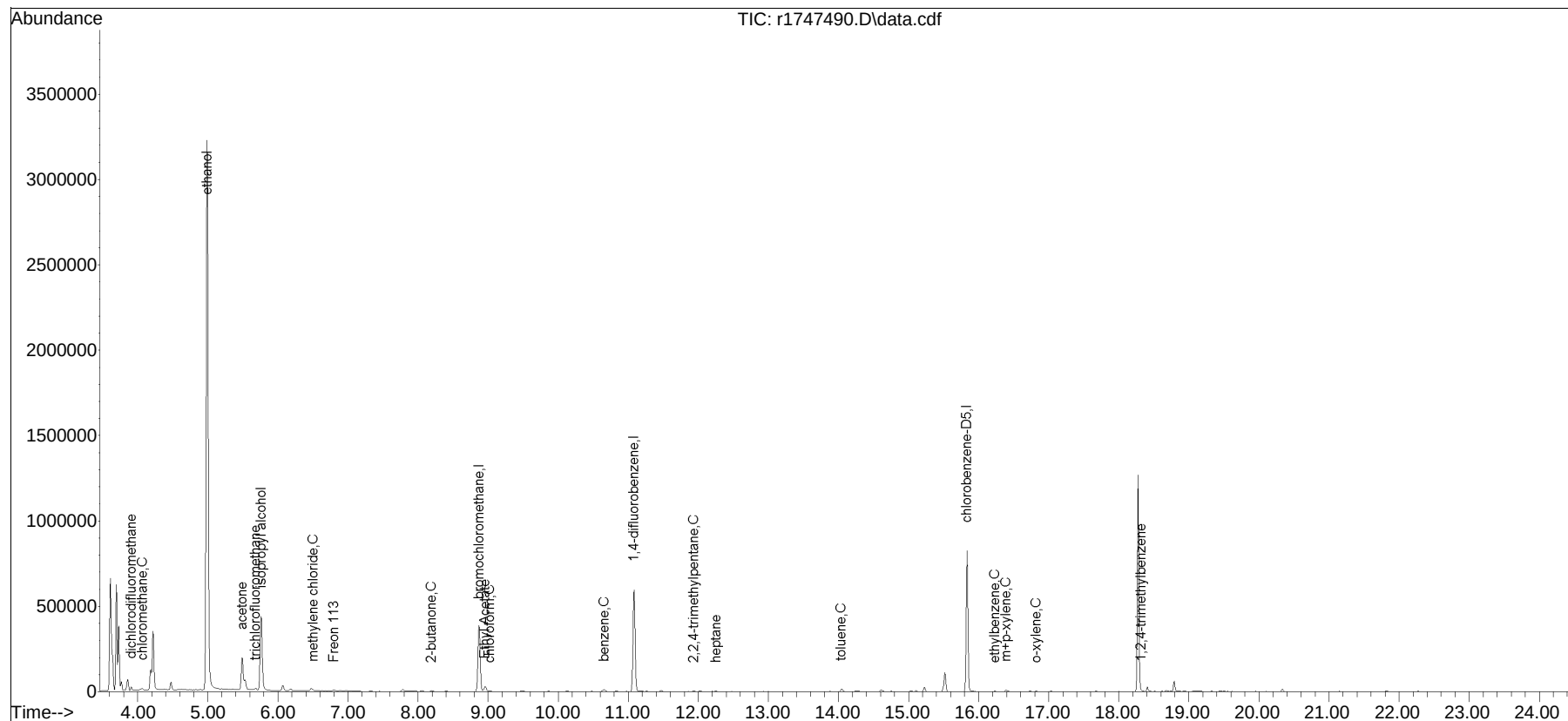
Quant Time: Mar 07 07:42:15 2025

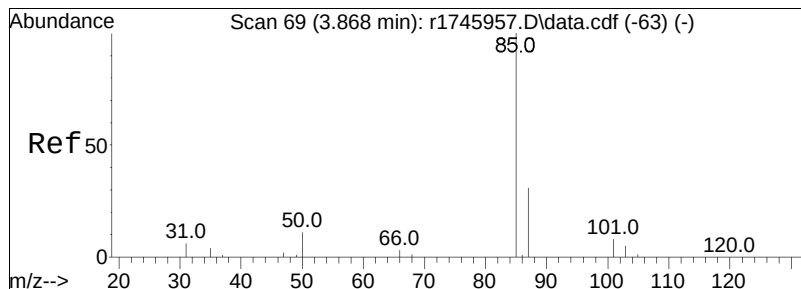
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

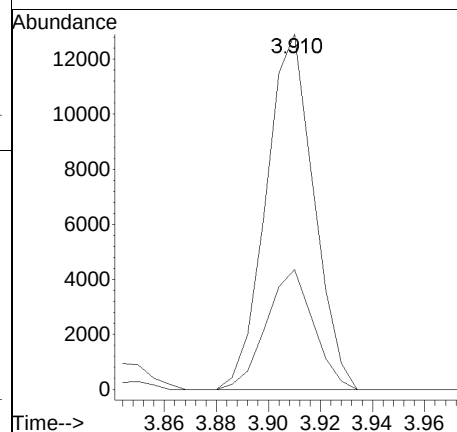
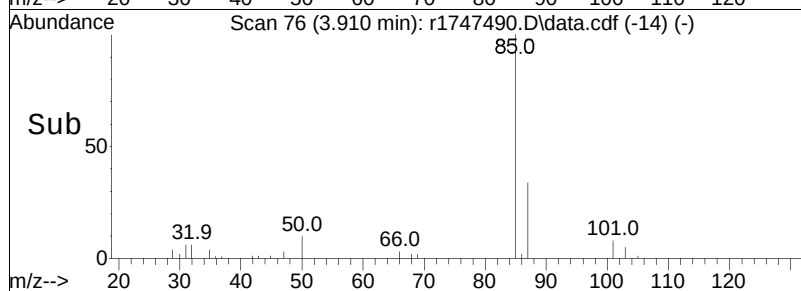
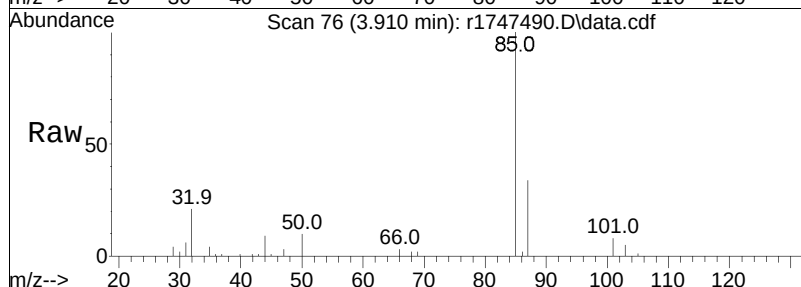
Response via : Initial Calibration

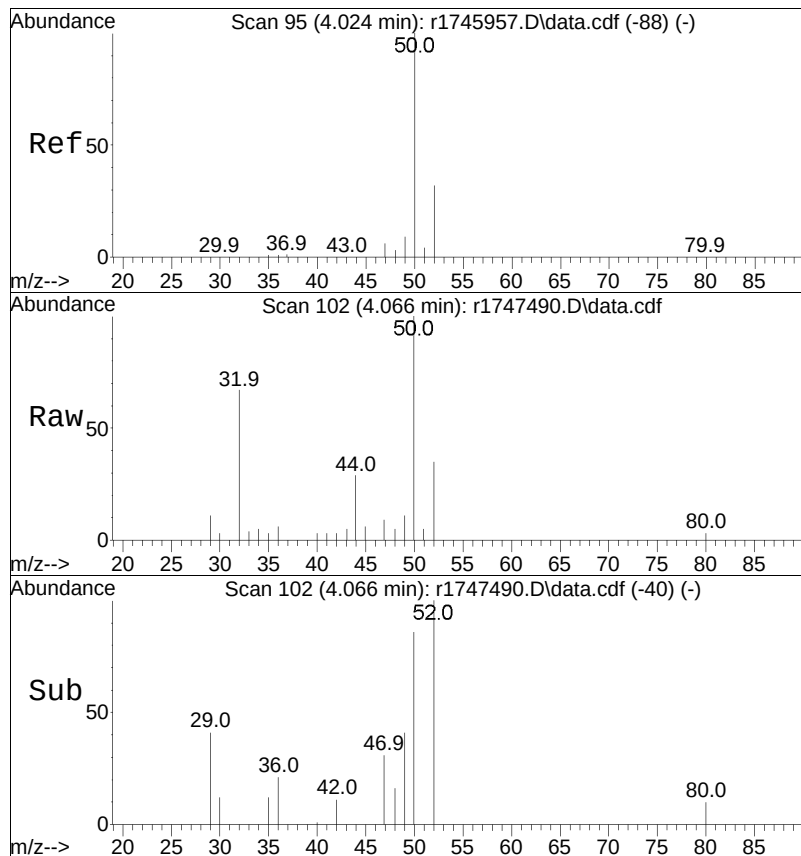




#5
 dichlorodifluoromethane
 Concen: 0.72 ppbV
 RT: 3.910 min Scan# 76
 Delta R.T. 0.042 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

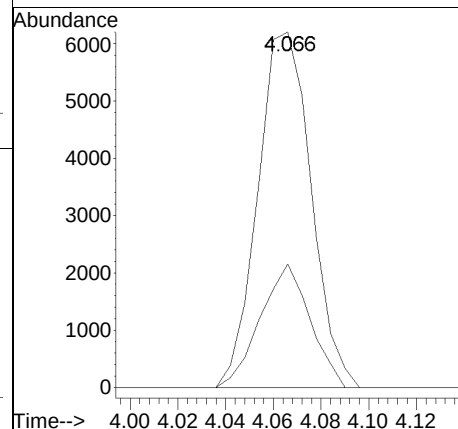
Tgt Ion: 85 Resp: 16453
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.2 37.8

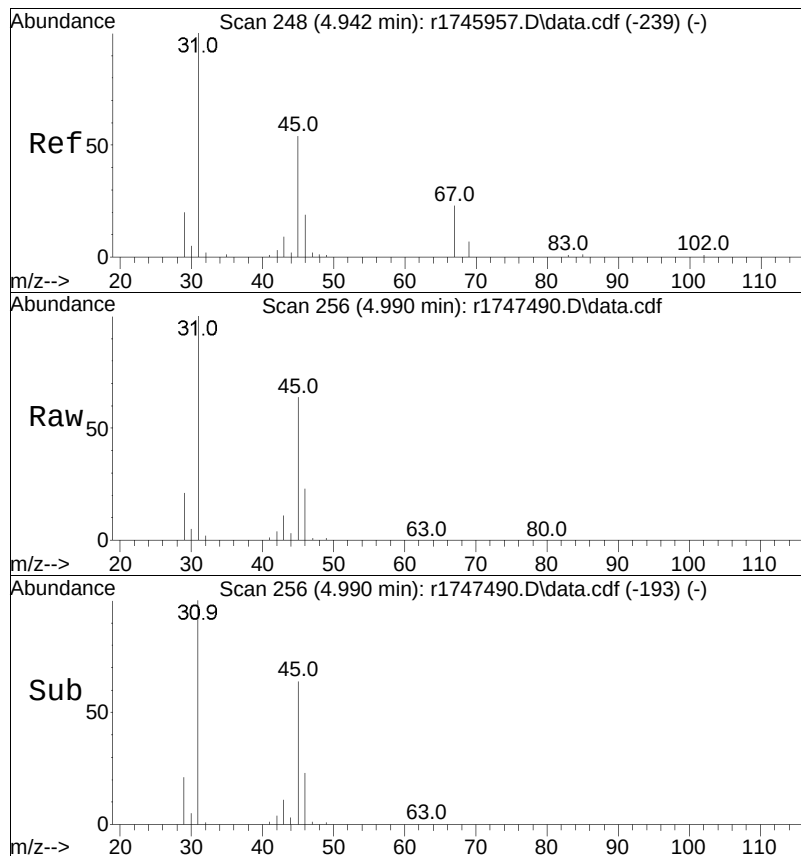




#6
 chloromethane
 Concen: 0.77 ppbV
 RT: 4.066 min Scan# 102
 Delta R.T. 0.042 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

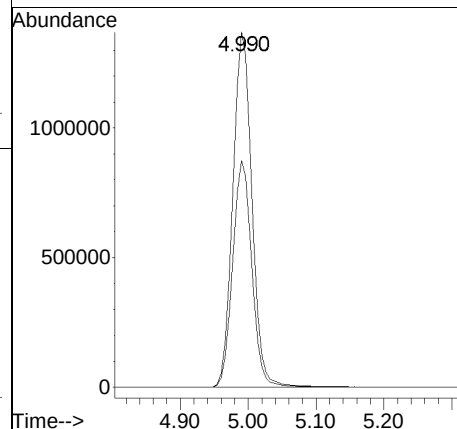
Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.4	38.2

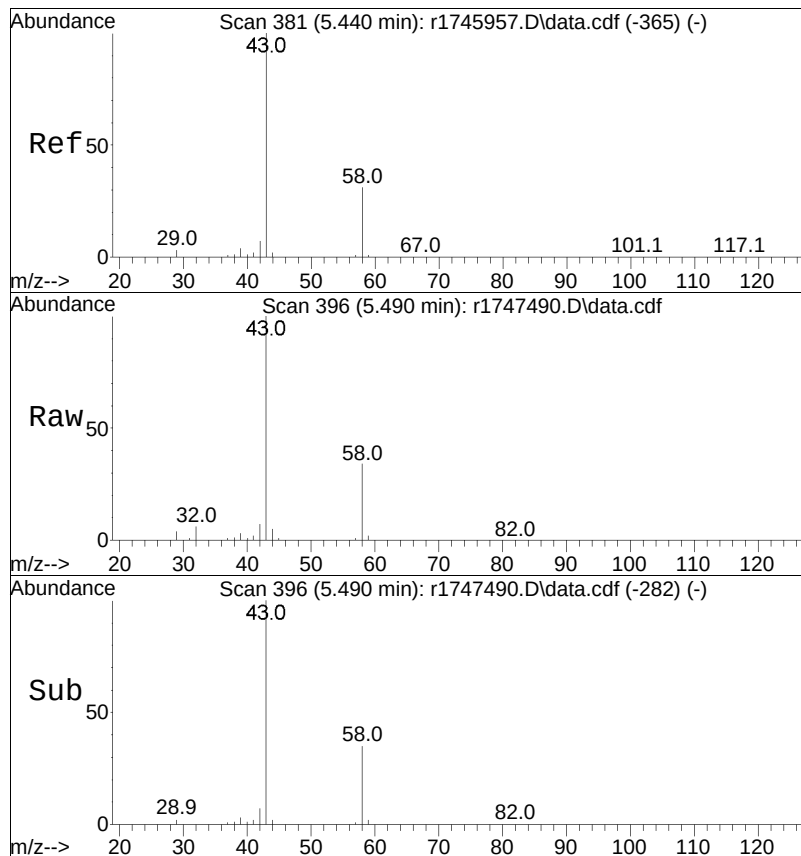




#15
 ethanol
 Concen: 227.18 ppbV
 RT: 4.990 min Scan# 256
 Delta R.T. 0.048 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

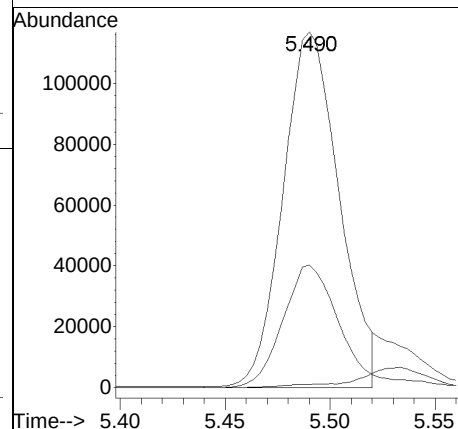
Tgt Ion	Ratio	Lower	Upper
31	100		
45	63.9	43.0	64.6

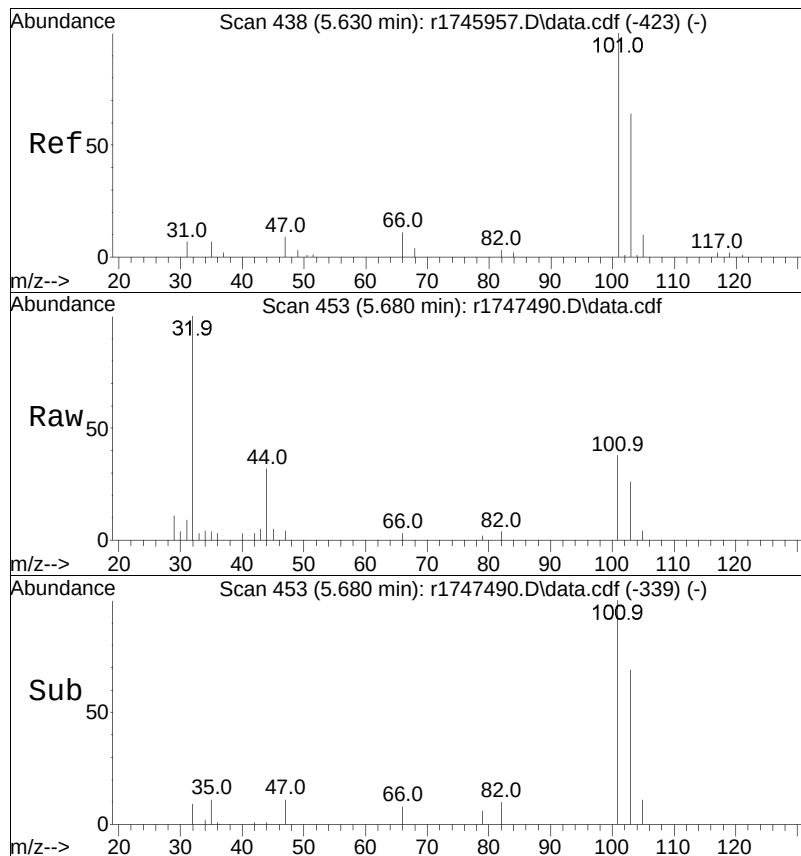




#19
 acetone
 Concen: 12.34 ppbV m
 RT: 5.490 min Scan# 396
 Delta R.T. 0.050 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

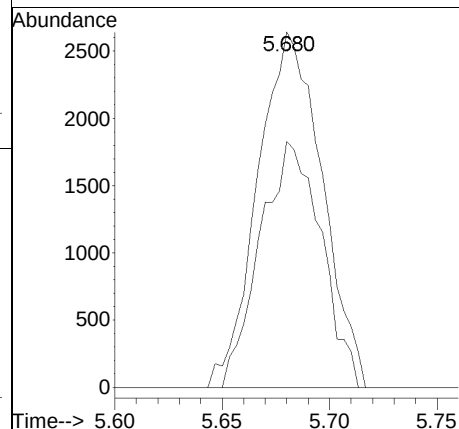
Tgt	Ion: 43	Resp:	217898
Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.7	37.1
57	0.8	0.6	0.8#

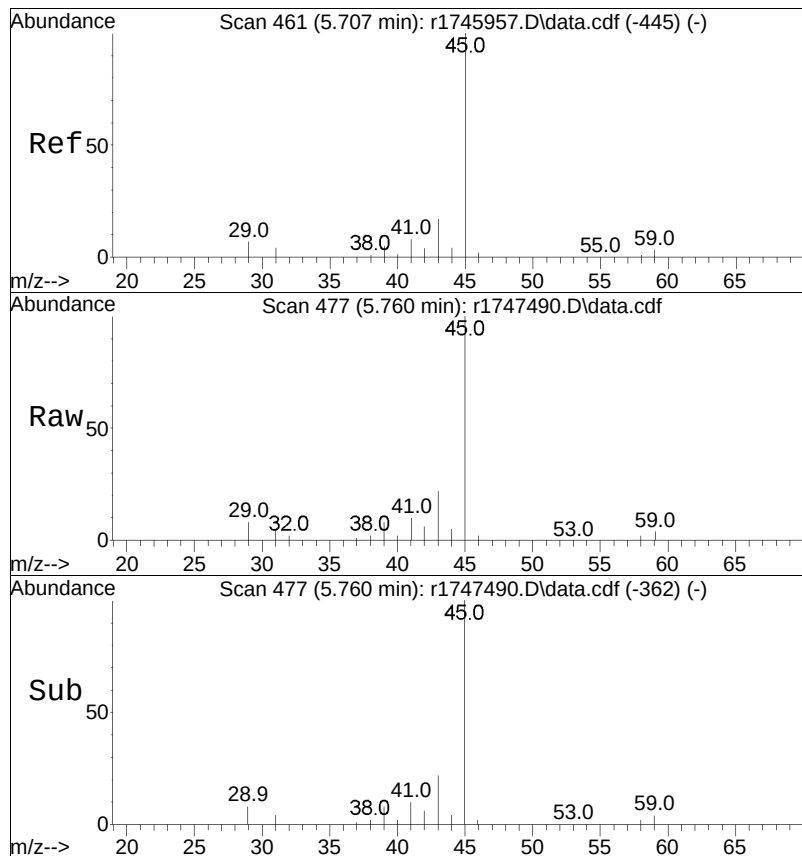




#21
 trichlorofluoromethane
 Concen: 0.27 ppbV
 RT: 5.680 min Scan# 453
 Delta R.T. 0.050 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

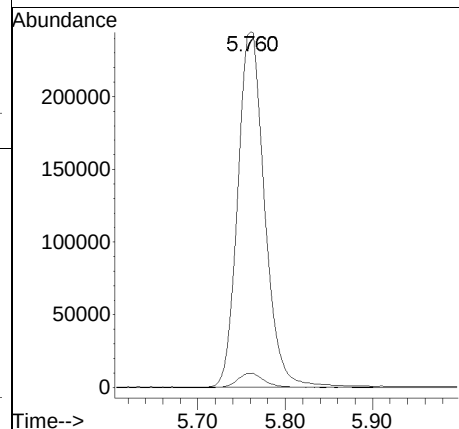
Tgt Ion	Ratio	Lower	Upper
101	100		
103	69.3	50.9	76.3

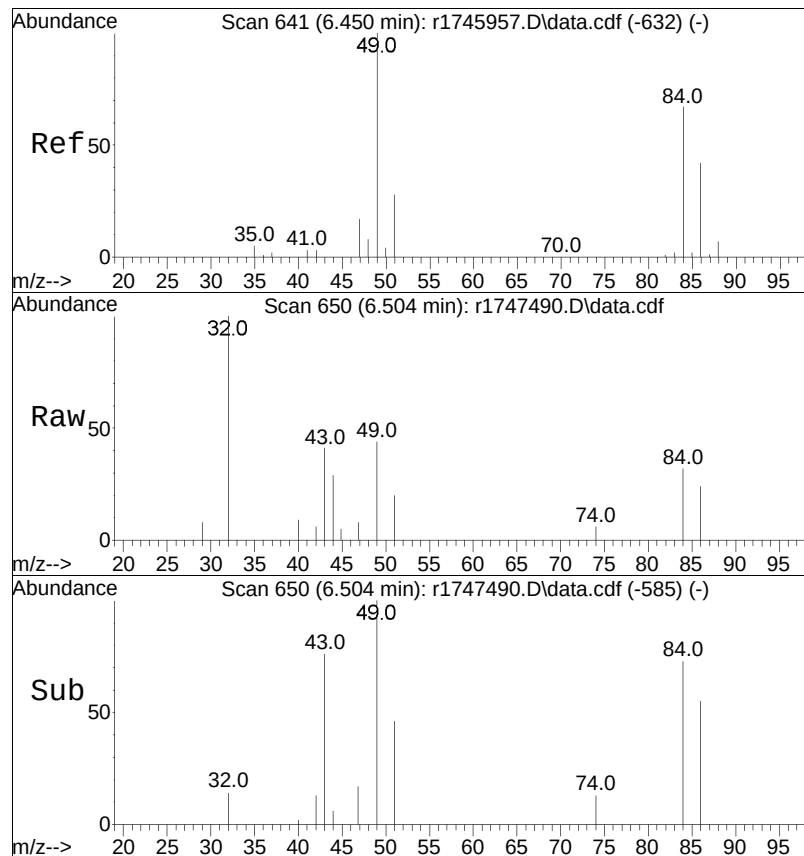




#22
 isopropyl alcohol
 Concen: 23.46 ppbV
 RT: 5.760 min Scan# 477
 Delta R.T. 0.053 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

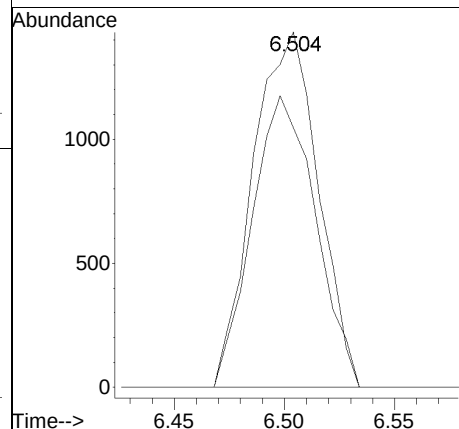
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.9	2.6	4.0

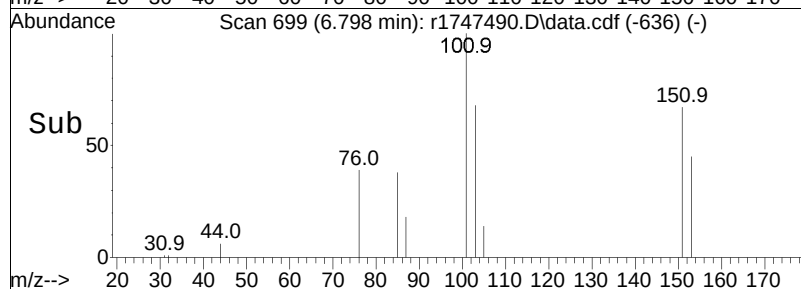
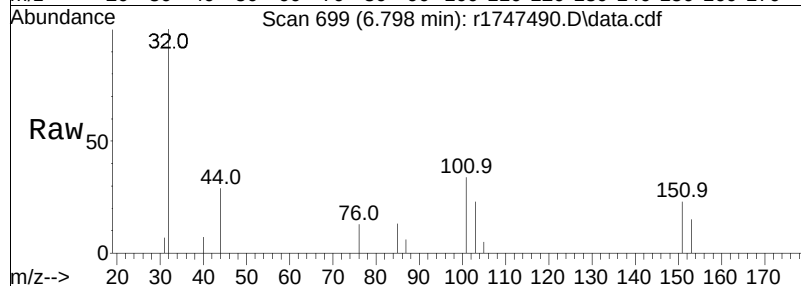
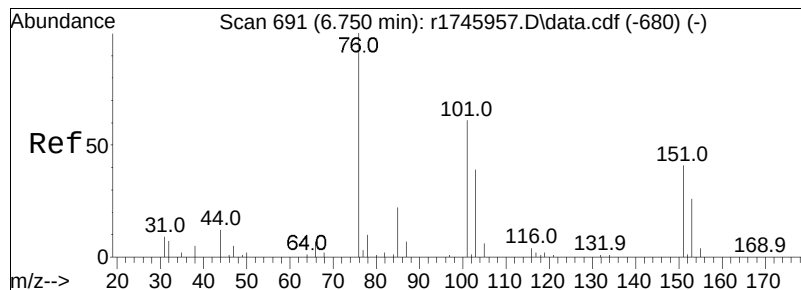




#28
 methylene chloride
 Concen: 0.18 ppbV
 RT: 6.504 min Scan# 650
 Delta R.T. 0.054 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

Tgt Ion:	49	Resp:	2946
Ion Ratio	Lower	Upper	
49	100		
84	73.0	53.4	80.0





#31

Freon 113

Concen: 0.11 ppbV

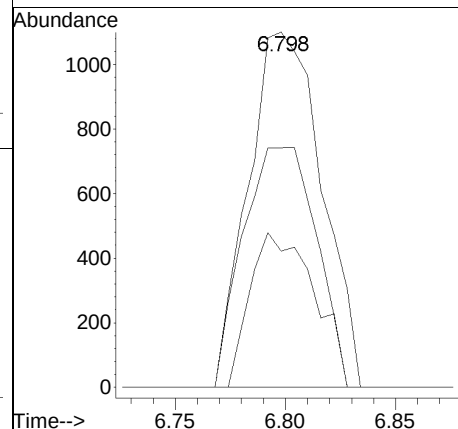
RT: 6.798 min Scan# 699

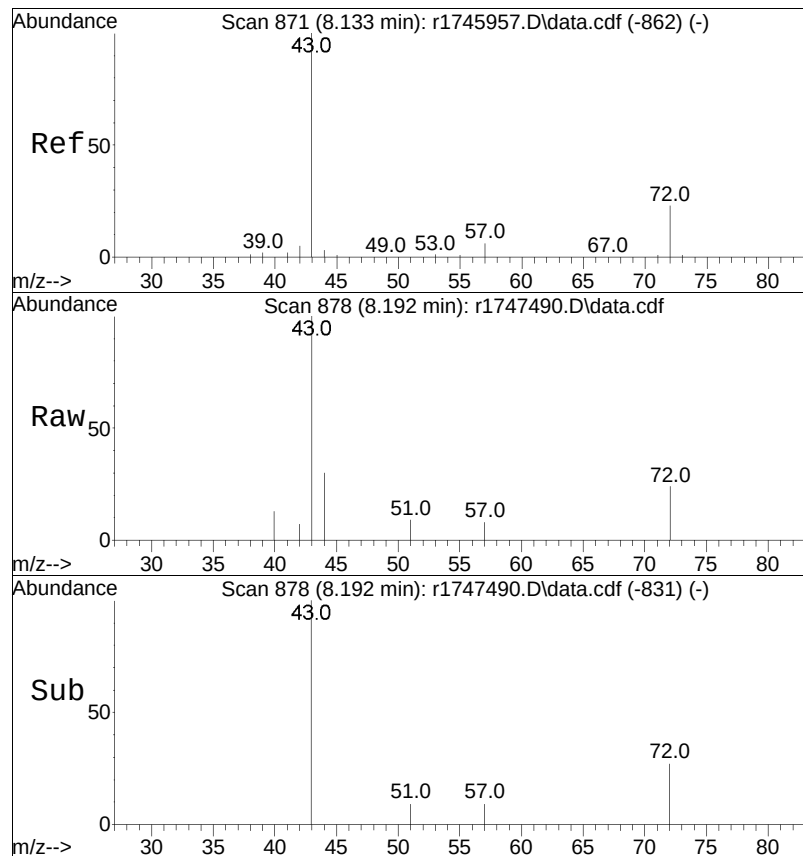
Delta R.T. 0.048 min

Lab File: r1747490.D

Acq: 6 Mar 2025 10:10 PM

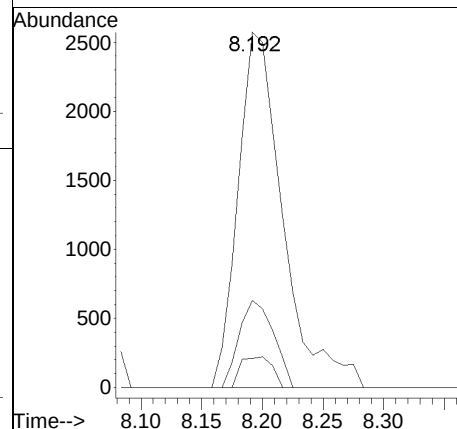
Tgt Ion:	101	Resp:	2554
Ion Ratio	Lower	Upper	
101	100		
85	38.4	29.0	43.4
151	67.5	53.6	80.4

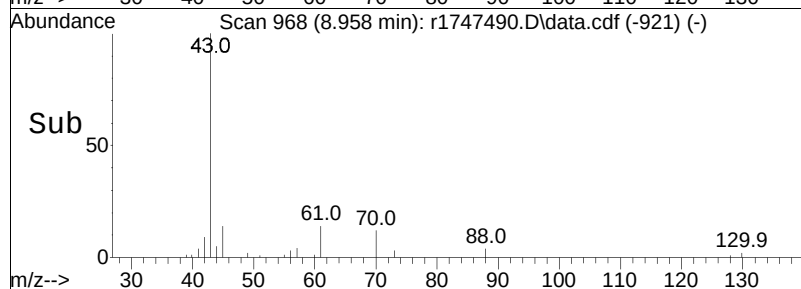
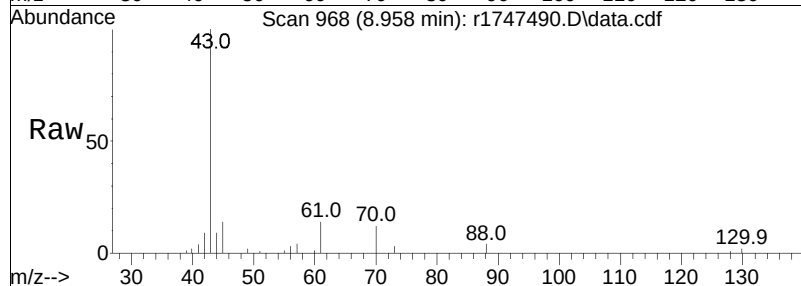
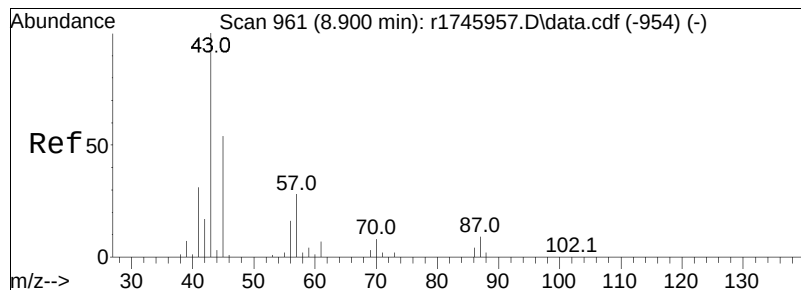




#36
 2-butanone
 Concen: 0.22 ppbV
 RT: 8.192 min Scan# 878
 Delta R.T. 0.058 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

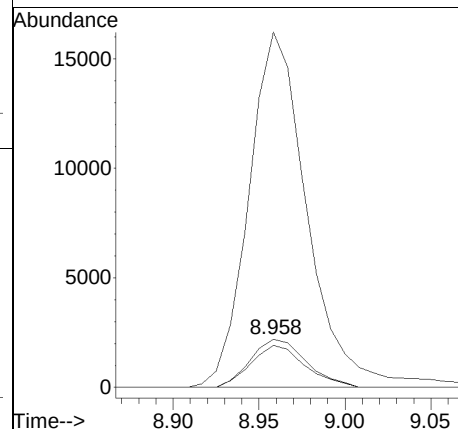
Tgt Ion:	43	Resp:	6619
Ion Ratio	Lower	Upper	
43	100		
72	24.5	18.1	27.1
57	8.2	4.6	6.8#

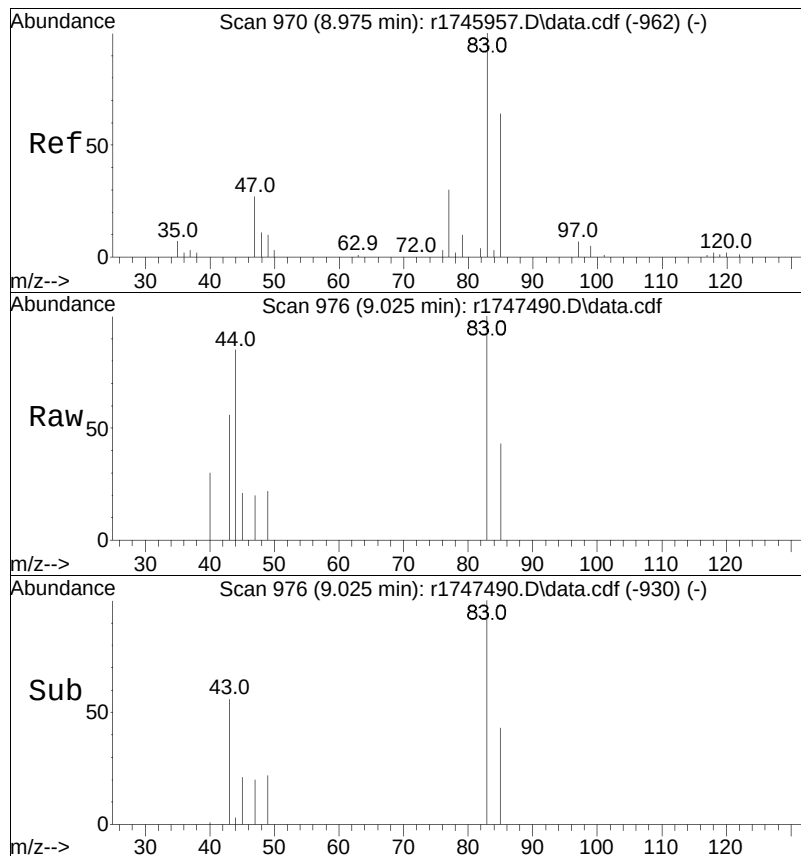




#38
Ethyl Acetate
Concen: 1.23 ppbV
RT: 8.958 min Scan# 968
Delta R.T. 0.058 min
Lab File: r1747490.D
Acq: 6 Mar 2025 10:10 PM

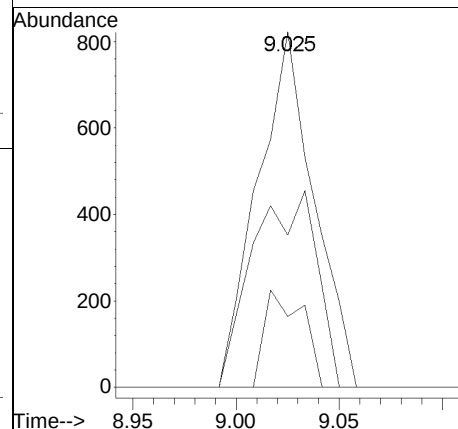
Tgt Ion	Ratio	Lower	Upper
61	100		
70	87.4	85.8	128.8
43	738.1	1077.6	1616.4#

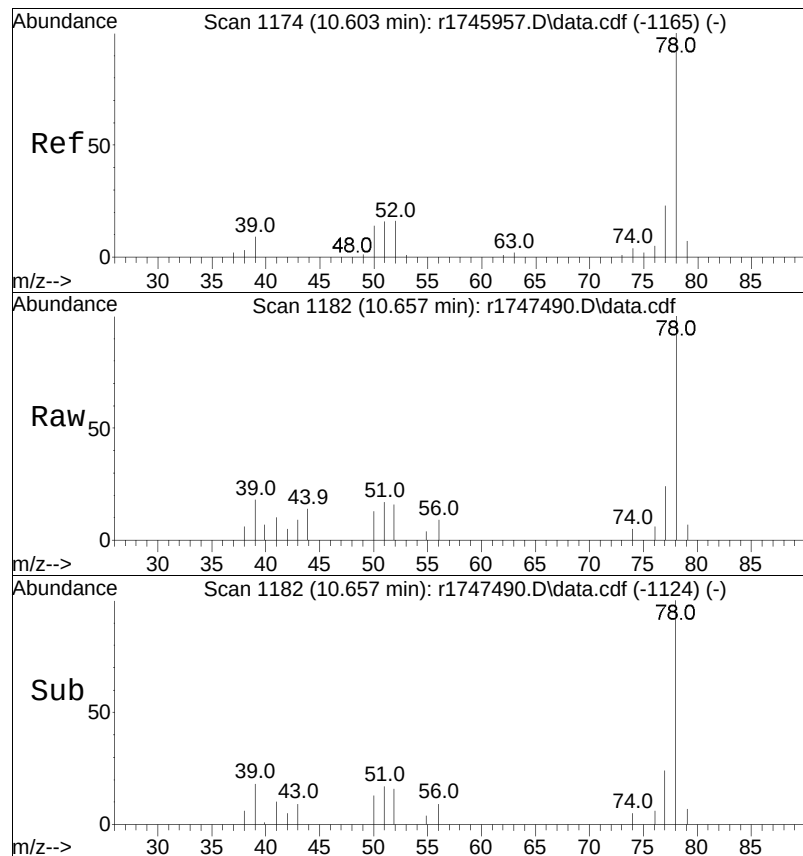




#39
chloroform
Concen: 0.07 ppbV
RT: 9.025 min Scan# 976
Delta R.T. 0.050 min
Lab File: r1747490.D
Acq: 6 Mar 2025 10:10 PM

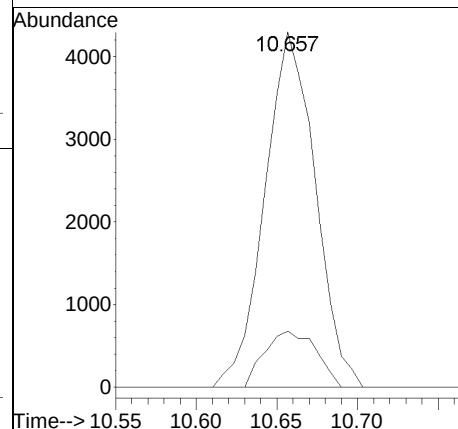
Tgt	Ion	Ratio	Lower	Upper
83	100			
85	42.8	51.6	77.4#	
47	20.0	21.4	32.2#	

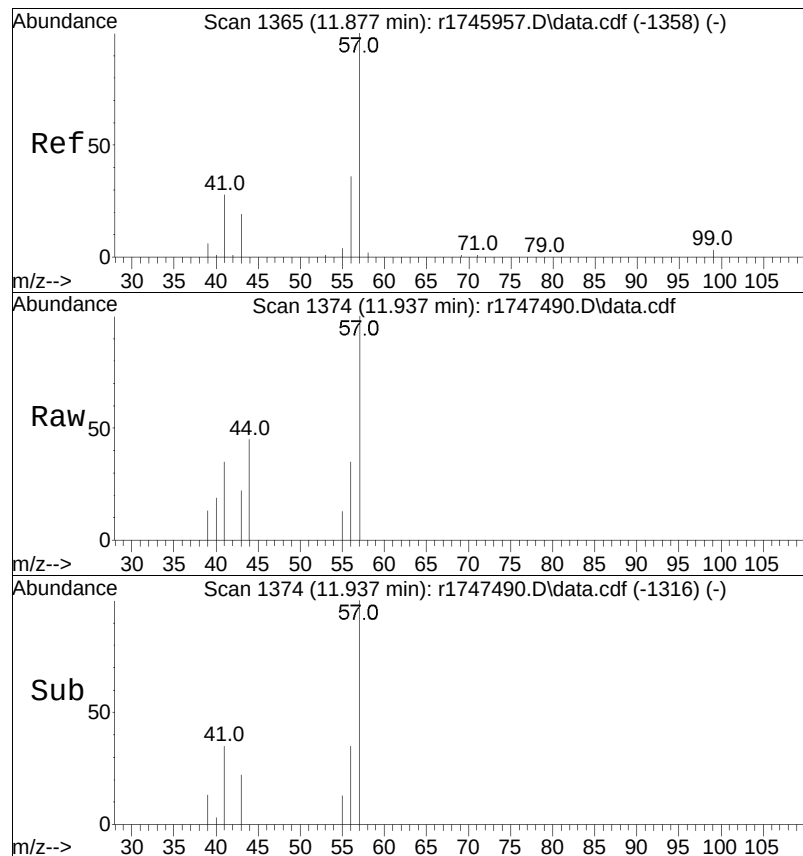




#50
benzene
Concen: 0.23 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747490.D
Acq: 6 Mar 2025 10:10 PM

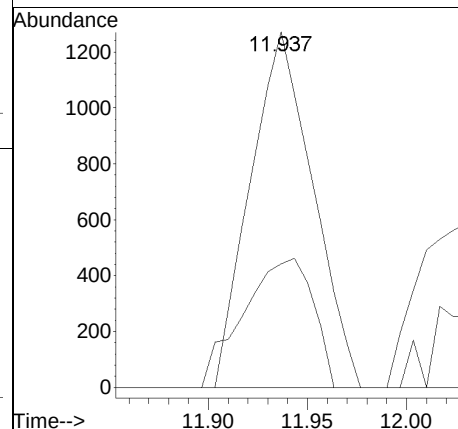
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.8	12.5	18.7

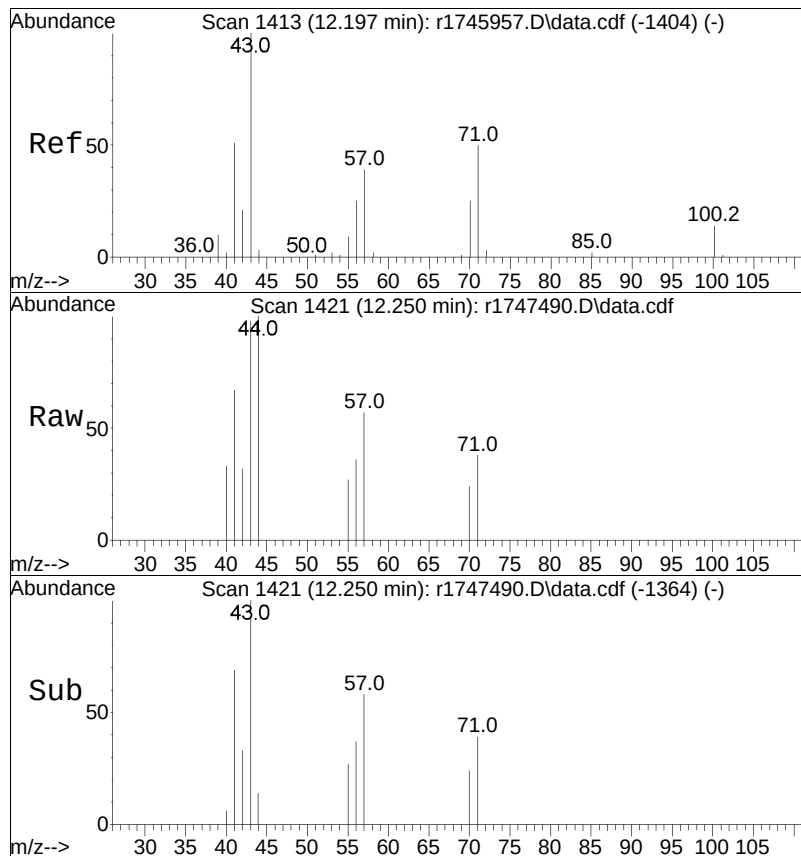




#60
 2,2,4-trimethylpentane
 Concen: 0.05 ppbV
 RT: 11.937 min Scan# 1374
 Delta R.T. 0.060 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

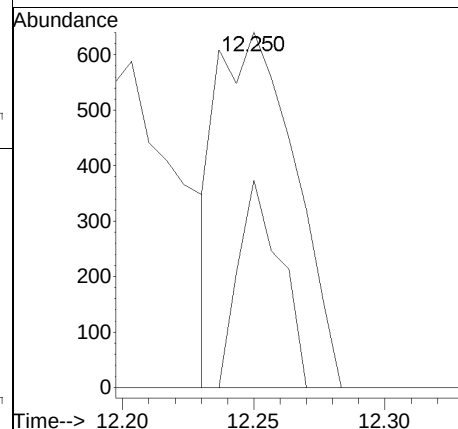
Tgt Ion:	57	Resp:	2788
Ion Ratio	Lower	Upper	
57	100		
99	0.0	4.6	6.8#
41	34.8	22.3	33.5#

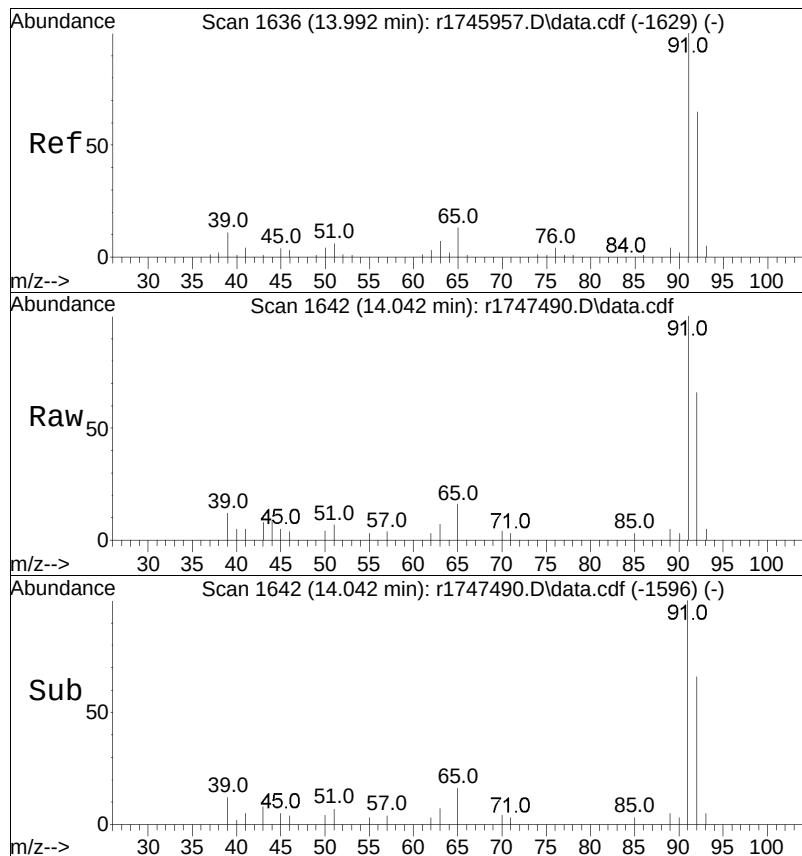




#62
 heptane
 Concen: 0.05 ppbV m
 RT: 12.250 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

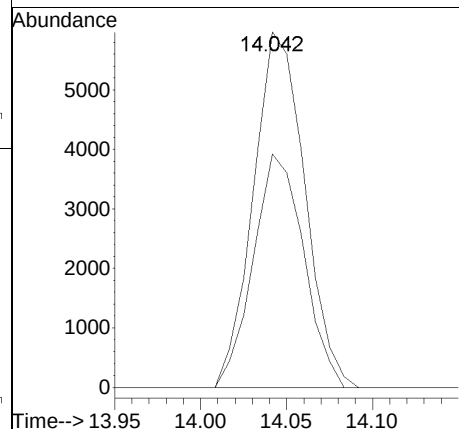
Tgt Ion	Ratio	Lower	Upper
43	100		
57	58.3	31.1	46.7#
100	0.0	11.4	17.2#

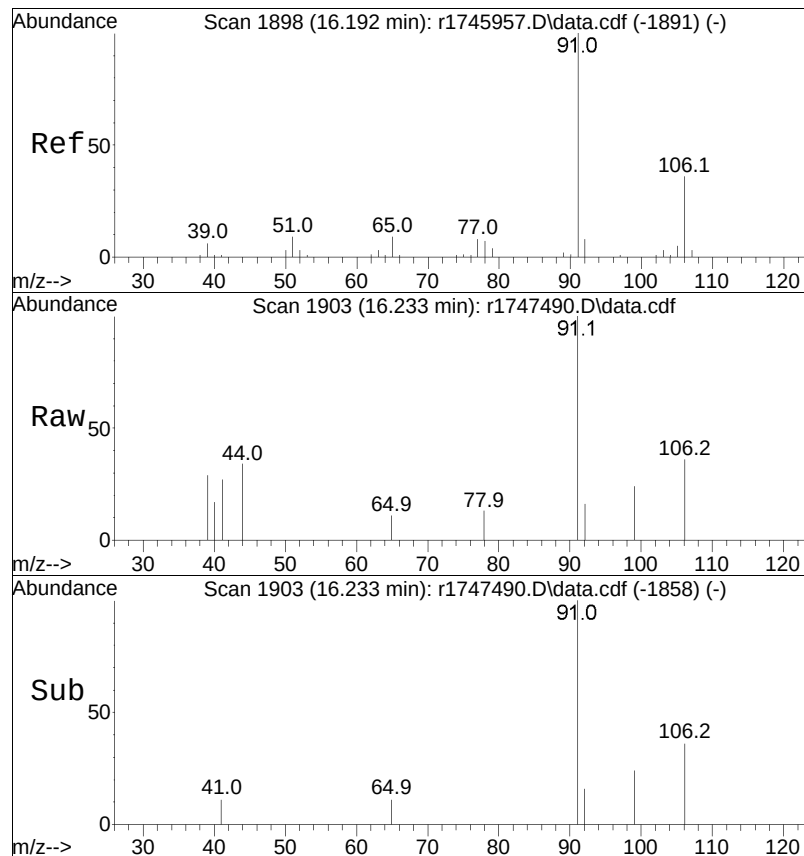




#68
toluene
Concen: 0.23 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747490.D
Acq: 6 Mar 2025 10:10 PM

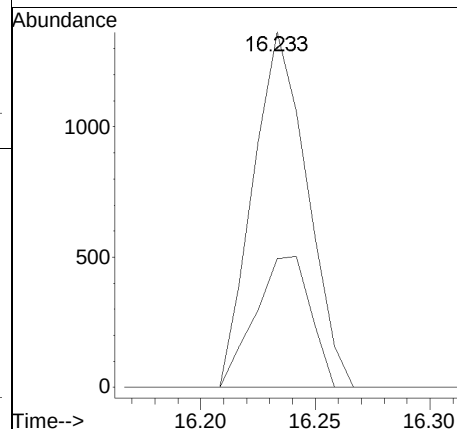
Tgt	Ion	Resp	Lower	Upper
91	100	12407		
92	65.7	51.7	77.5	

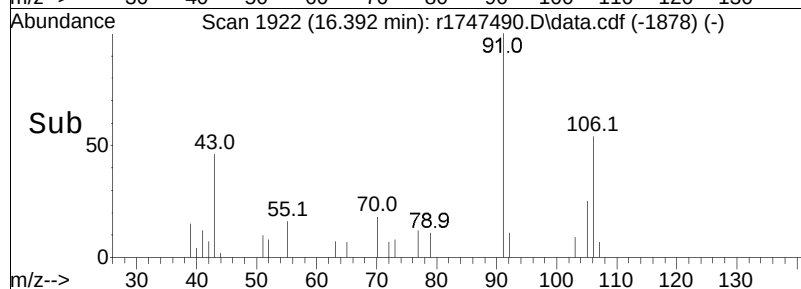
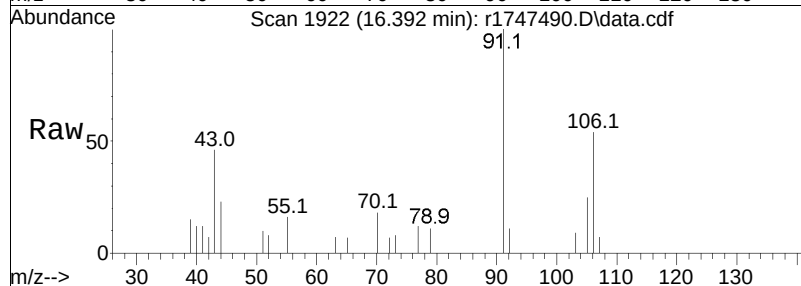
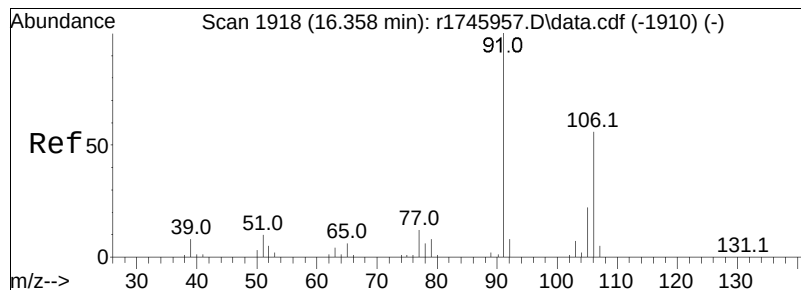




#81
ethylbenzene
Concen: 0.03 ppbV
RT: 16.233 min Scan# 1903
Delta R.T. 0.042 min
Lab File: r1747490.D
Acq: 6 Mar 2025 10:10 PM

Tgt	Ion	Resp	Lower	Upper
91	100	2243		
106	36.2	28.5	42.7	





#83

m+p-xylene

Concen: 0.10 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747490.D

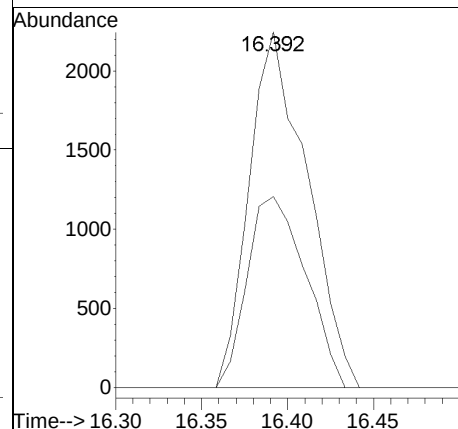
Acq: 6 Mar 2025 10:10 PM

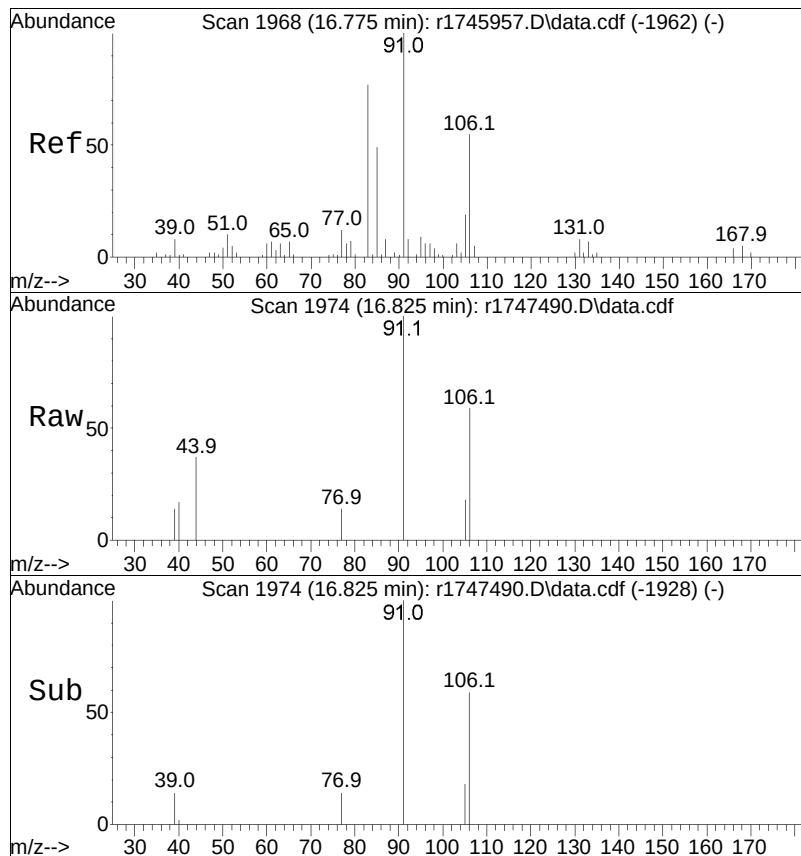
Tgt Ion: 91 Resp: 5269

Ion Ratio Lower Upper

91 100

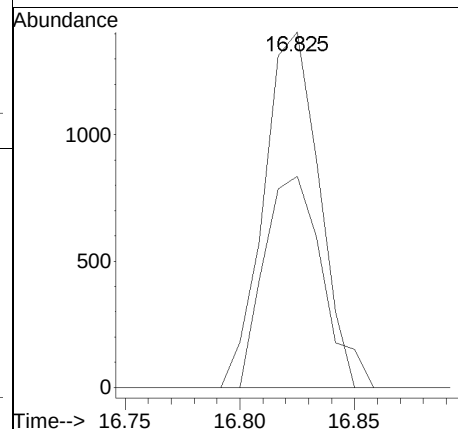
106 53.7 44.7 67.1

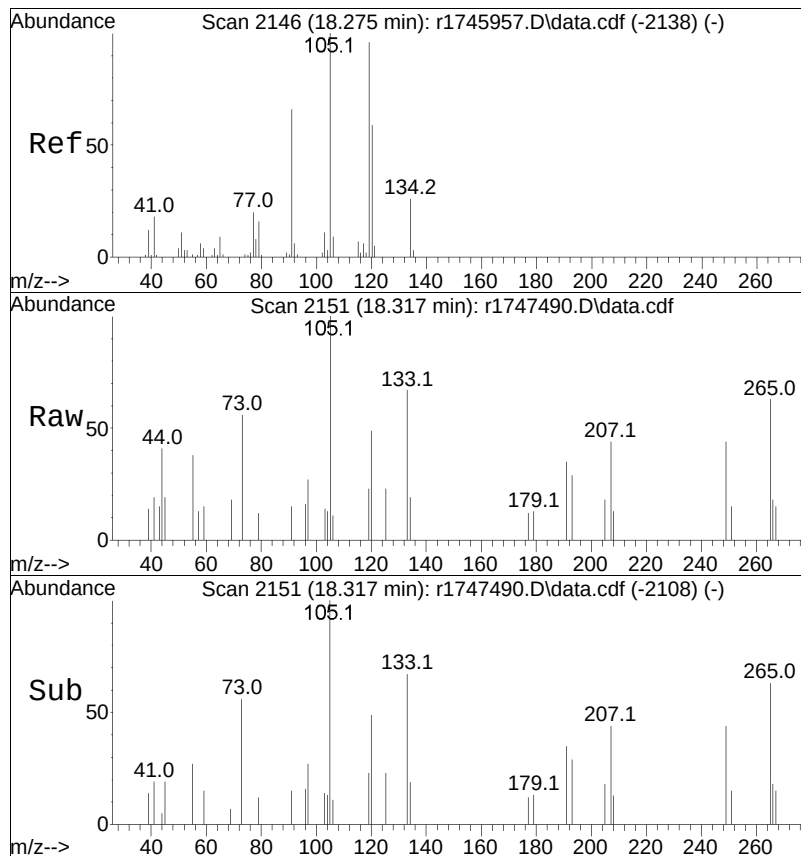




#87
 o-xylene
 Concen: 0.04 ppbV
 RT: 16.825 min Scan# 1974
 Delta R.T. 0.050 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

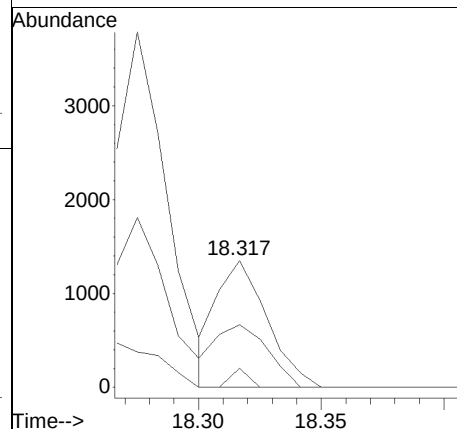
Tgt Ion:	91	Resp:	2338
Ion Ratio	Lower	Upper	
91	100		
106	59.4	43.9	65.9





#99
 1,2,4-trimethylbenzene
 Concen: 0.03 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747490.D
 Acq: 6 Mar 2025 10:10 PM

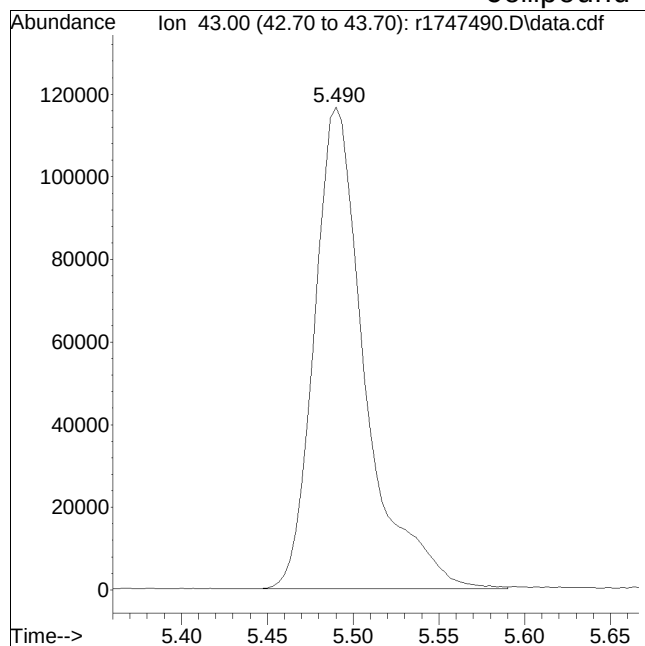
Tgt Ion:	105	Resp:	1929
Ion Ratio	Lower	Upper	
105	100		
120	49.5	47.1	70.7
91	15.1	53.0	79.4#



Manual Integration Report

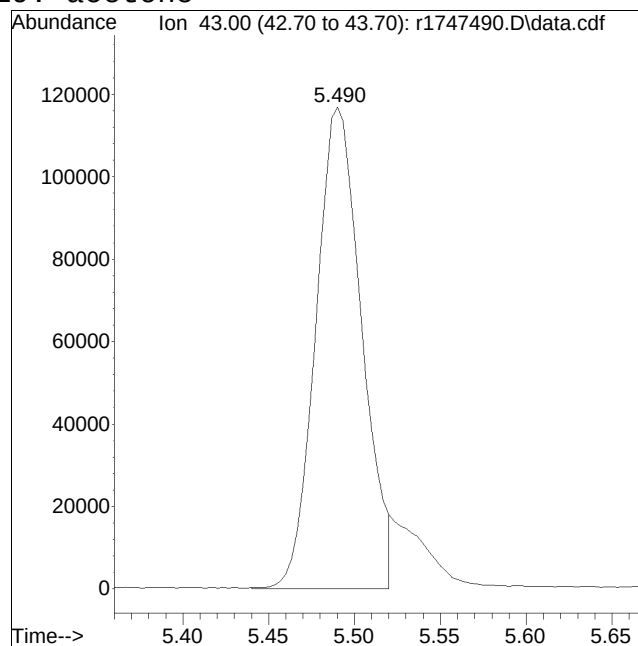
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747490.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:10 PM Instrument :
Sample : L2509499-03,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #19: acetone



Original Peak Response = 240580

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



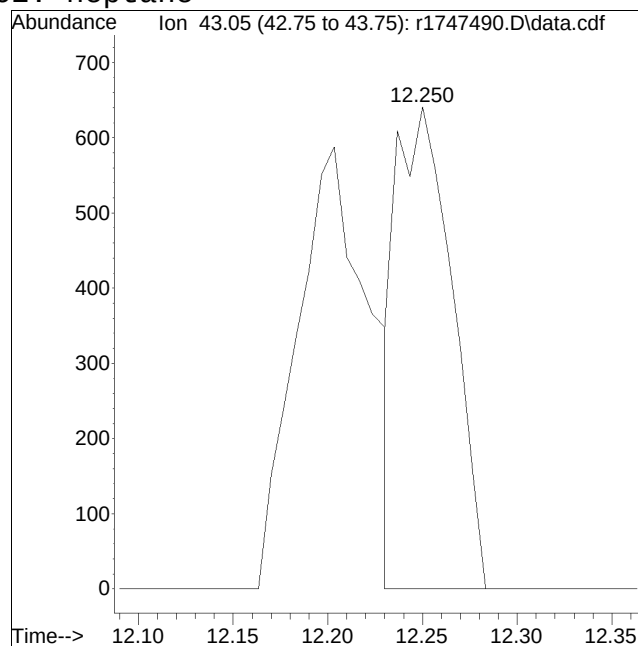
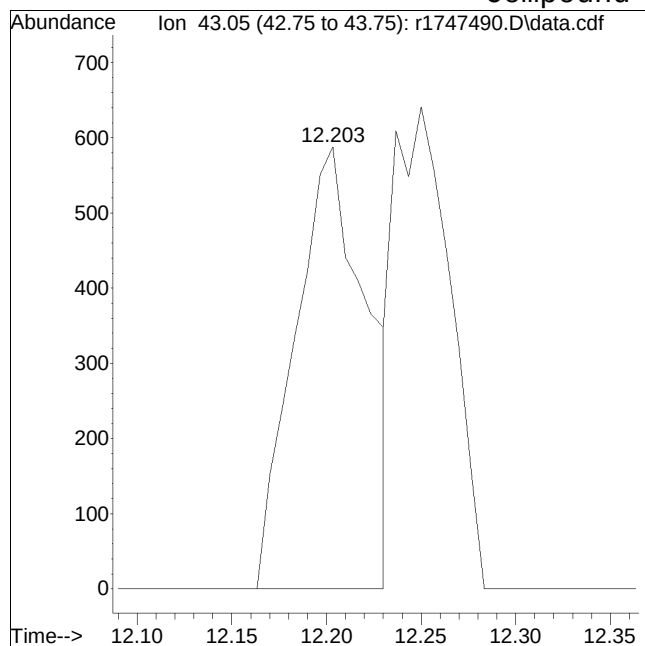
Manual Peak Response = 217898 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747490.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:10 PM Instrument :
Sample : L2509499-03,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #62: heptane



Original Peak Response = 1542

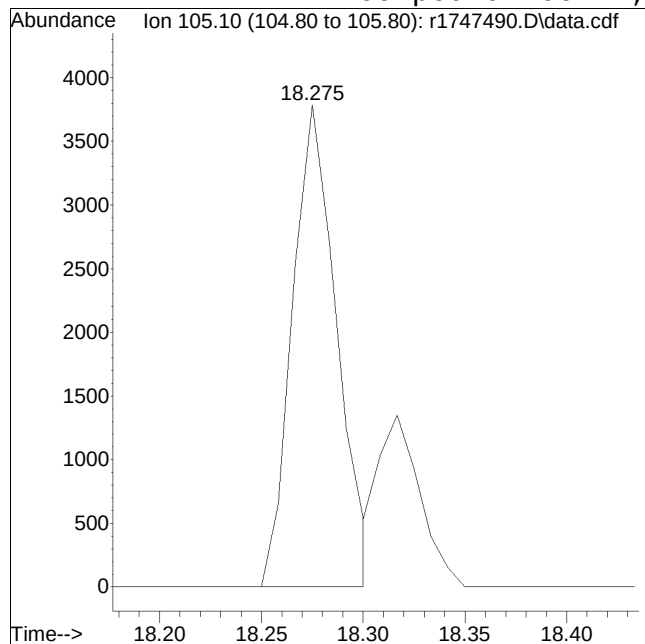
Manual Peak Response = 1311 M3

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

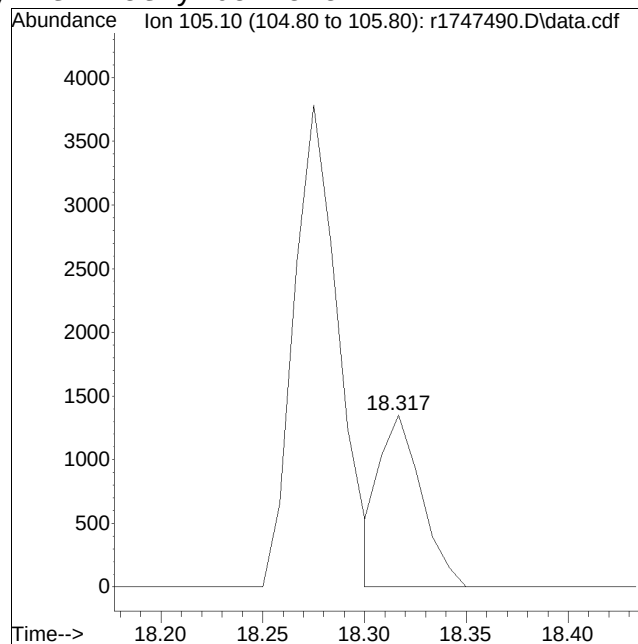
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747490.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:10 PM Instrument :
Sample : L2509499-03,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 5739

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



Manual Peak Response = 1929 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747491.D
 Acq On : 6 Mar 2025 10:48 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-04,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:42:47 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.867	49	239274	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		92.23%	
43) 1,4-difluorobenzene	11.077	114	623504	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		88.26%	
67) chlorobenzene-D5	15.833	54	99324	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		93.37%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	17664	0.739	ppbV	100
6) chloromethane	4.060	50	9733	0.752	ppbV	99
7) Freon-114	0.000		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	4.684		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.984	31	1601510	177.917	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.483	43	323334M6	17.597	ppbV	
21) trichlorofluoromethane	5.680	101	6394	0.302	ppbV	91
22) isopropyl alcohol	5.757	45	479552	20.647	ppbV	99
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.498	49	2877	0.171	ppbV	92
29) 3-chloropropene	6.486		0	N.D.		
30) carbon disulfide	6.792		0	N.D.		
31) Freon 113	6.798	101	5984	0.242	ppbV	96
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	7.775		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.192	43	8724	0.280	ppbV	96
38) Ethyl Acetate	8.958	61	4904	1.155	ppbV #	1
39) chloroform	9.025	83	2735	0.120	ppbV	92
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.842		0	N.D.		
44) hexane	0.000		0	N.D.	d	
50) benzene	10.657	78	9380	0.214	ppbV	100
53) cyclohexane	10.970		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747491.D
 Acq On : 6 Mar 2025 10:48 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-04,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:42:47 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0		N.D.	
58) 1,4-dioxane	0.000		0		N.D.	
60) 2,2,4-trimethylpentane	11.930	57	2898	0.045	ppbV #	85
62) heptane	12.250	43	1979M3	0.065	ppbV	
63) cis-1,3-dichloropropene	0.000		0		N.D.	
64) 4-methyl-2-pentanone	12.917		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	14.042	91	14689	0.260	ppbV	94
72) 2-hexanone	14.283		0		N.D.	
74) dibromochloromethane	0.000		0		N.D.	
75) 1,2-dibromoethane	0.000		0		N.D.	
80) chlorobenzene	0.000		0		N.D.	
81) ethylbenzene	16.233	91	2925	0.040	ppbV	100
83) m+p-xylene	16.392	91	7149	0.125	ppbV	96
84) bromoform	0.000		0		N.D.	
85) styrene	16.725	104	1540	0.033	ppbV #	83
86) 1,1,2,2-tetrachloroethane	0.000		0		N.D.	
87) o-xylene	16.825	91	3650	0.063	ppbV	98
96) 4-ethyl toluene	17.867		0		N.D.	
97) 1,3,5-trimethylbenzene	17.908		0		N.D.	
99) 1,2,4-trimethylbenzene	18.317	105	2417M3	0.037	ppbV	
101) Benzyl Chloride	18.317		0		N.D.	
102) 1,3-dichlorobenzene	18.500		0		N.D.	
103) 1,4-dichlorobenzene	18.500		0		N.D.	
107) 1,2-dichlorobenzene	0.000		0		N.D.	
115) 1,2,4-trichlorobenzene	0.000		0		N.D.	
116) naphthalene	20.392		0		N.D.	
119) hexachlorobutadiene	0.000		0		N.D.	

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747491.D

Acq On : 6 Mar 2025 10:48 PM

Operator : AIRLAB17:TPH

Sample : L2509499-04,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

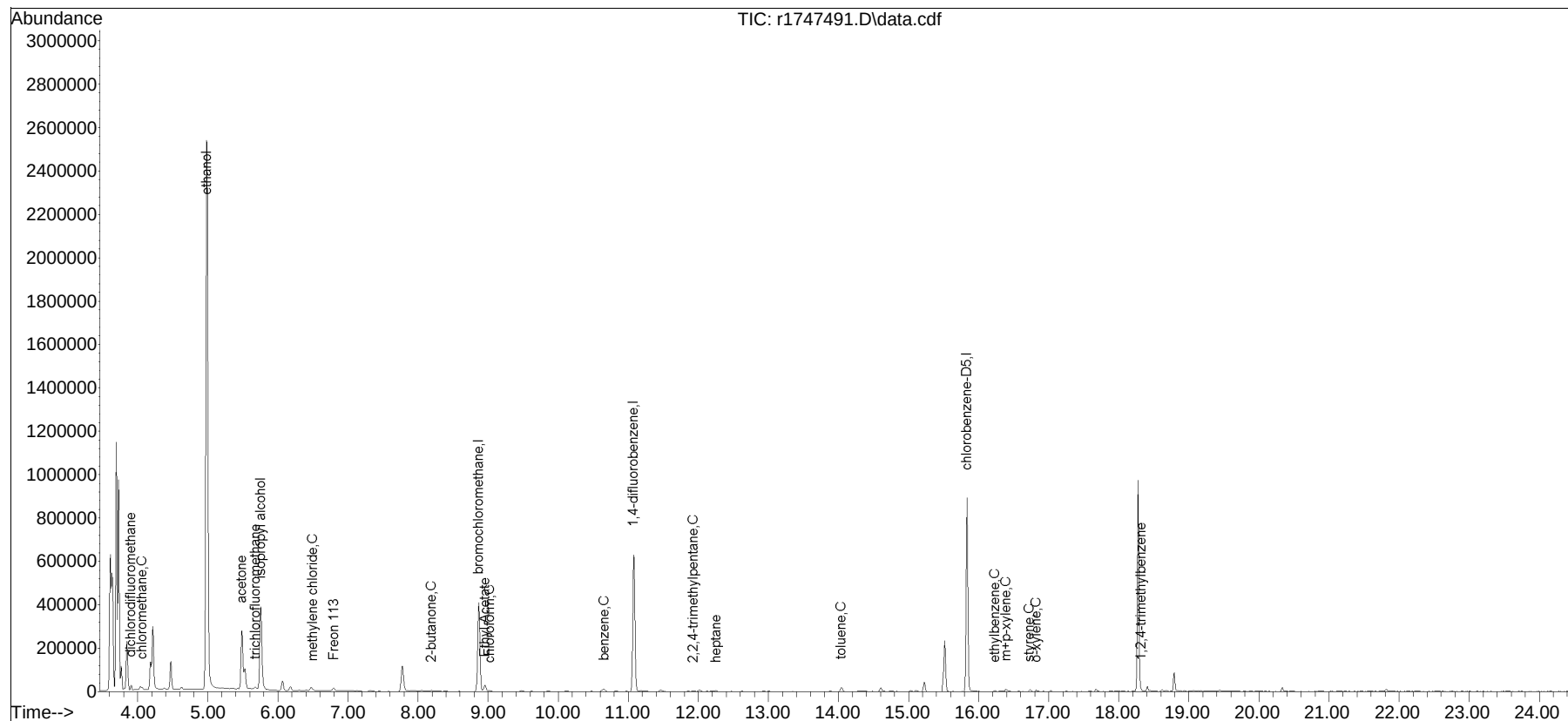
Quant Time: Mar 07 07:42:47 2025

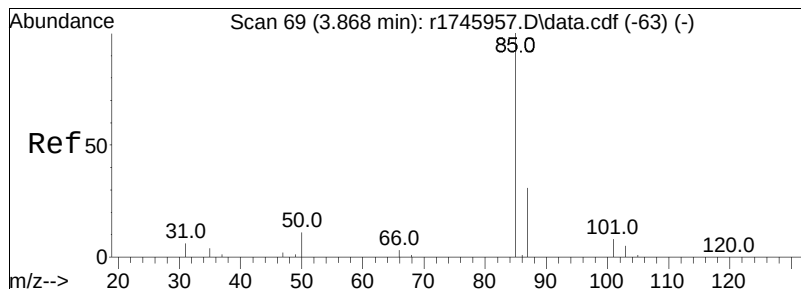
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

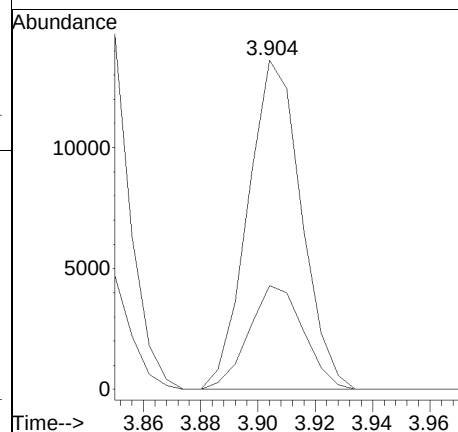
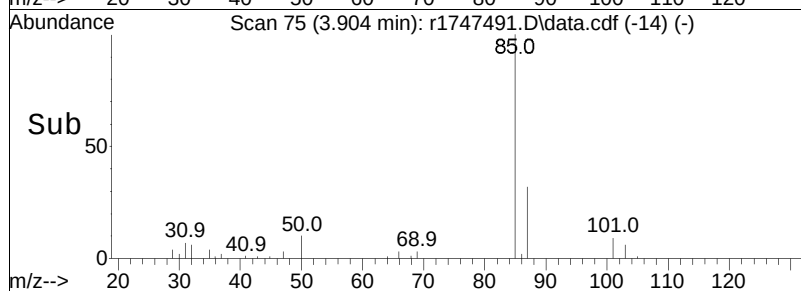
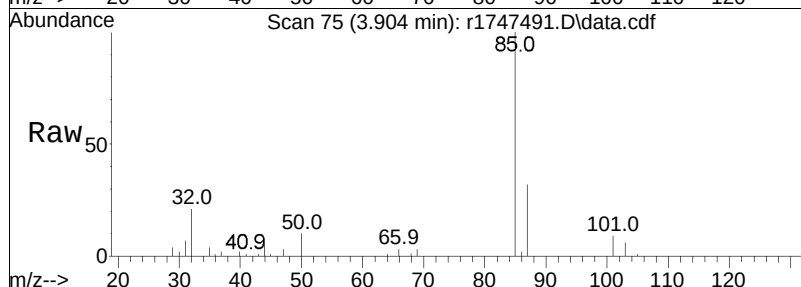
Response via : Initial Calibration

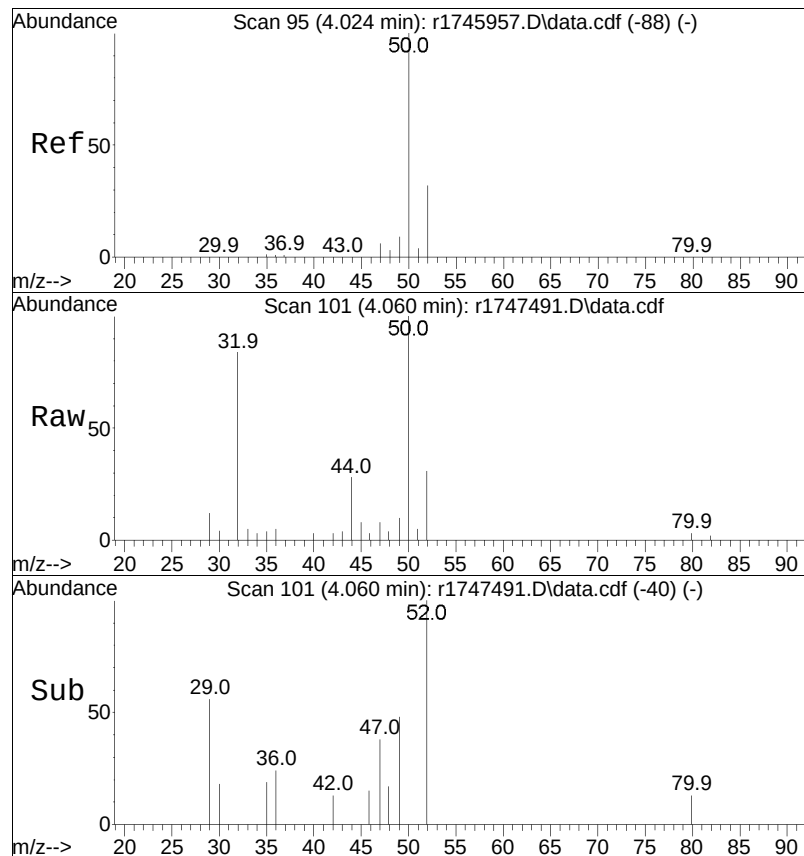




#5
dichlorodifluoromethane
Concen: 0.74 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

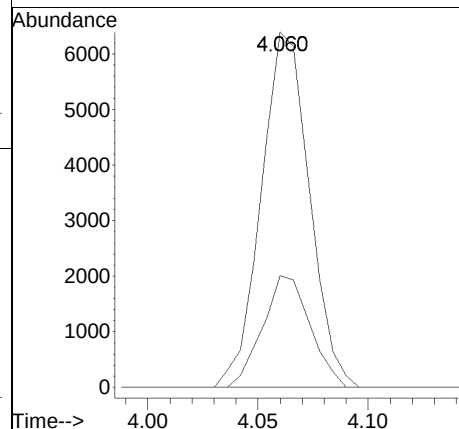
Tgt Ion: 85 Resp: 17664
Ion Ratio Lower Upper
85 100
87 31.5 25.2 37.8

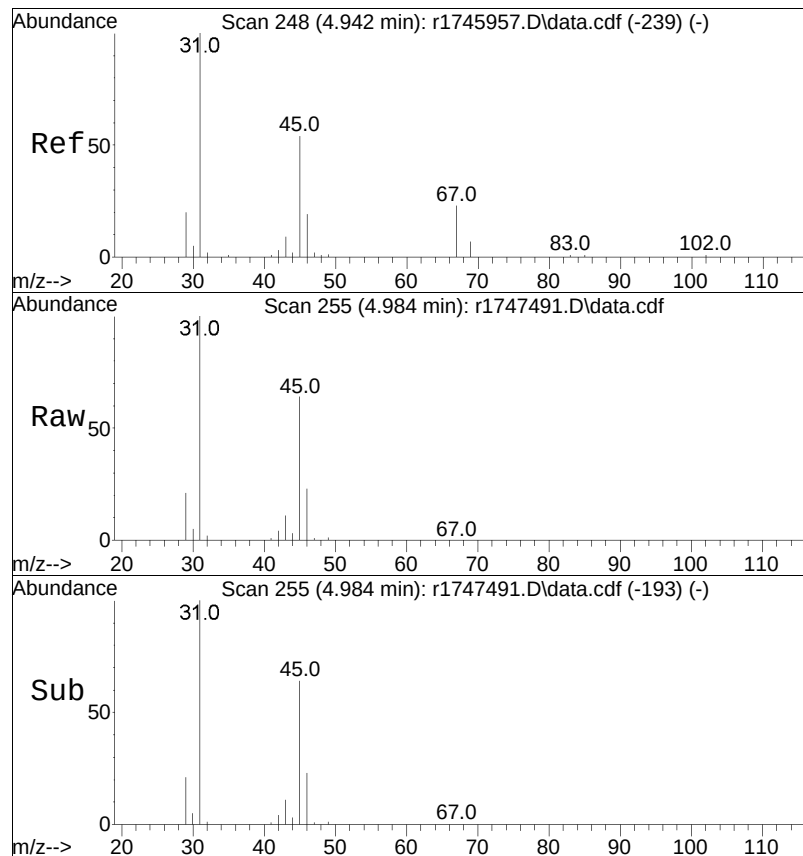




#6
 chloromethane
 Concen: 0.75 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

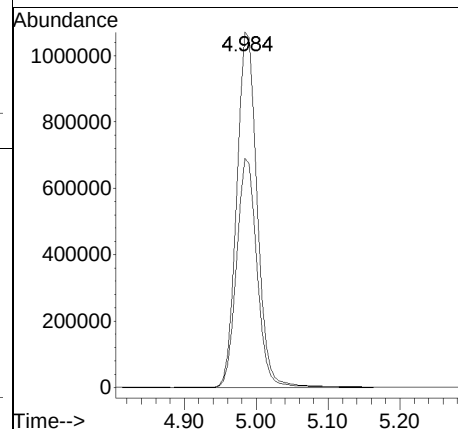
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.4	38.2

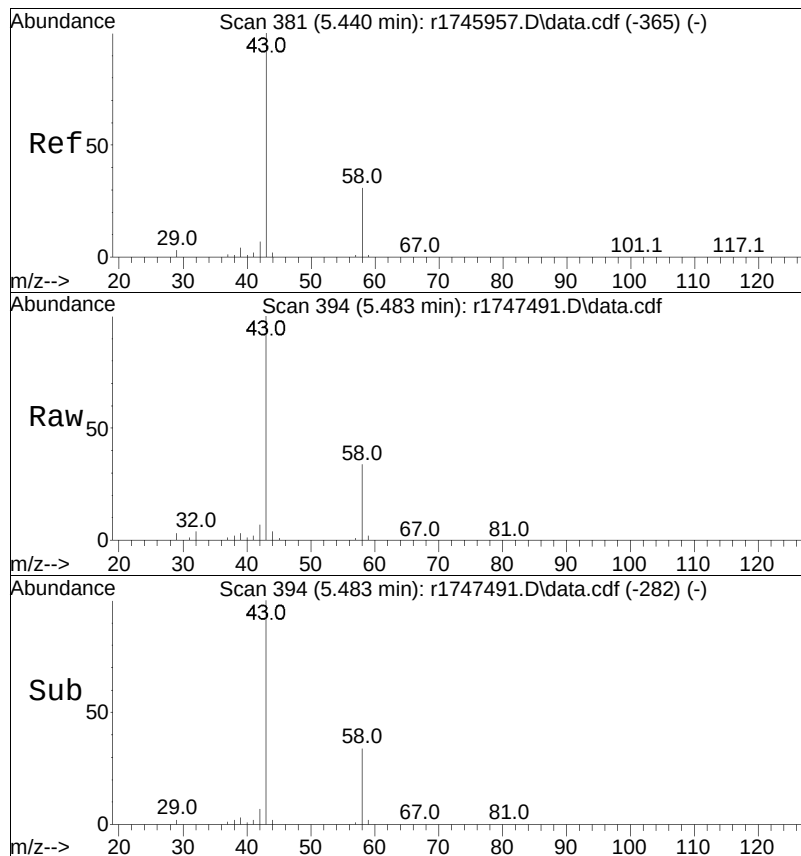




#15
 ethanol
 Concen: 177.92 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

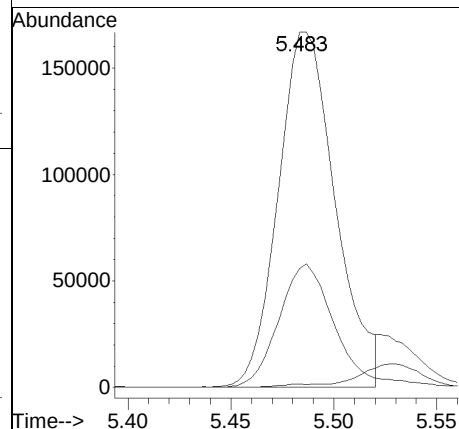
Tgt Ion	Ratio	Lower	Upper
31	100		
45	64.4	43.0	64.6

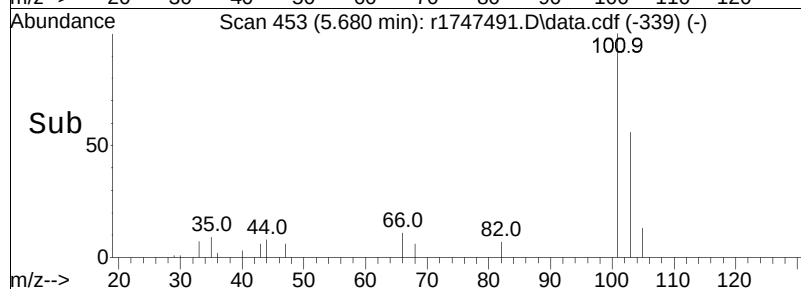
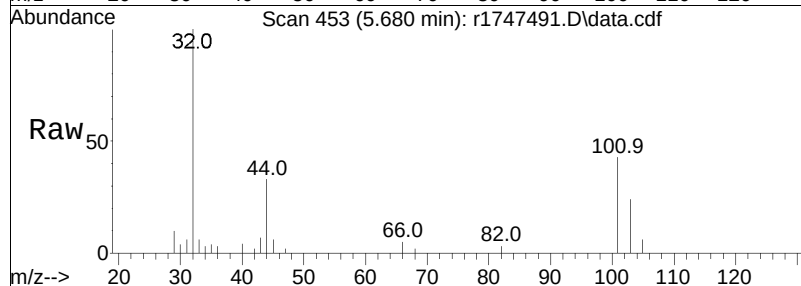
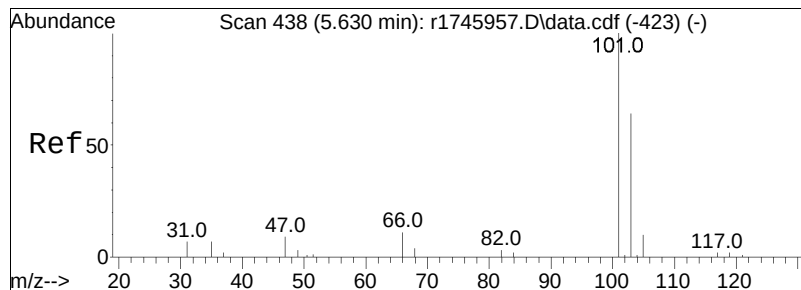




#19
 acetone
 Concen: 17.60 ppbV m
 RT: 5.483 min Scan# 394
 Delta R.T. 0.043 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

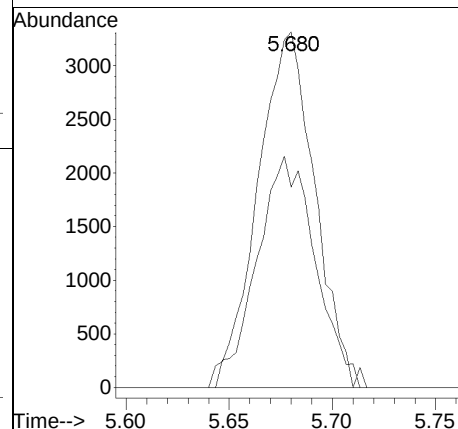
Tgt	Ion: 43	Resp: 323334
Ion	Ratio	Lower Upper
43	100	
58	33.5	24.7 37.1
57	0.9	0.6 0.8#

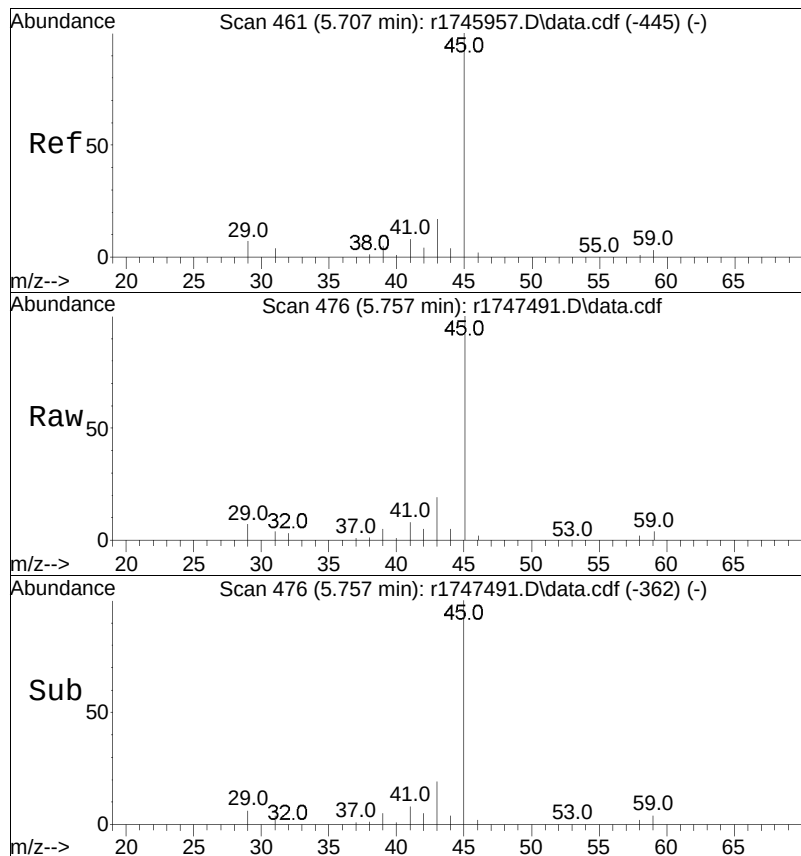




#21
trichlorofluoromethane
Concen: 0.30 ppbV
RT: 5.680 min Scan# 453
Delta R.T. 0.050 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

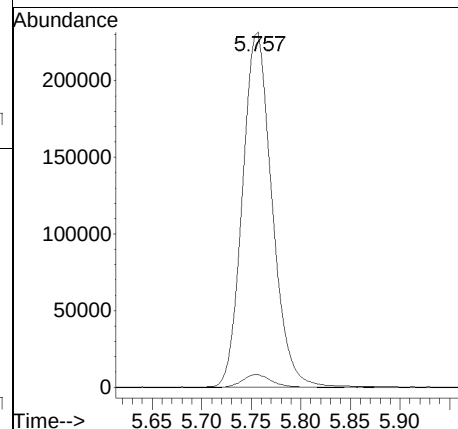
Tgt Ion	Ratio	Lower	Upper
101	100		
103	56.4	50.9	76.3

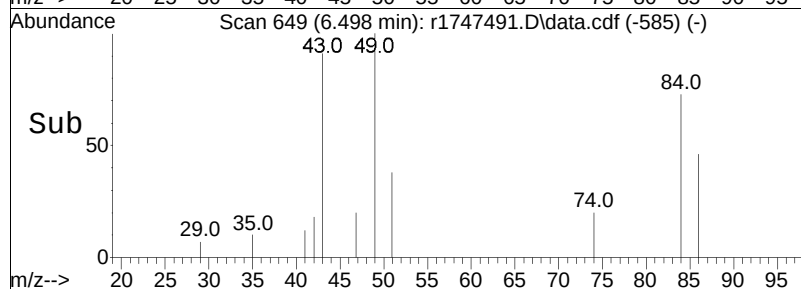
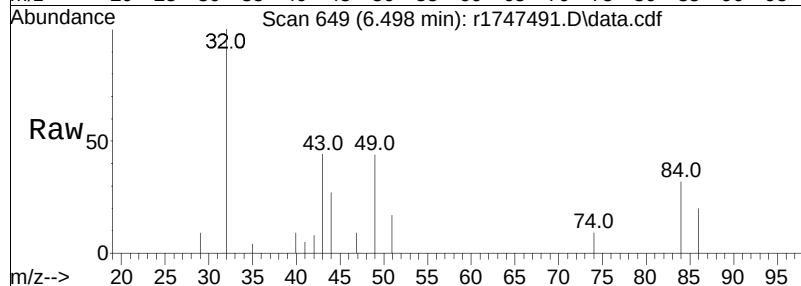
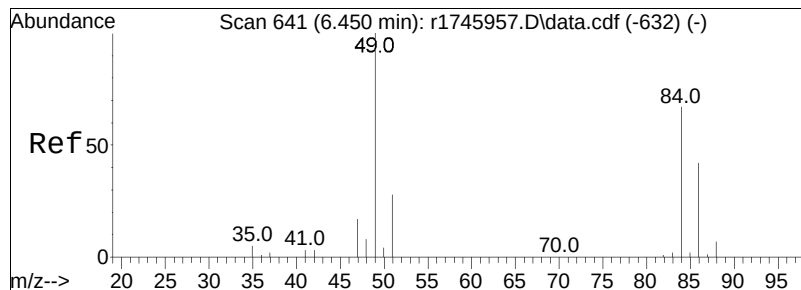




#22
 isopropyl alcohol
 Concen: 20.65 ppbV
 RT: 5.757 min Scan# 476
 Delta R.T. 0.050 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

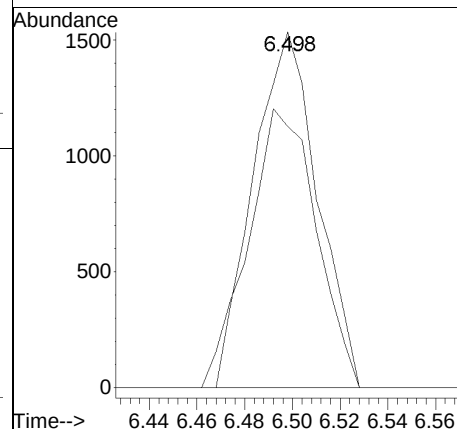
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.7	2.6	4.0

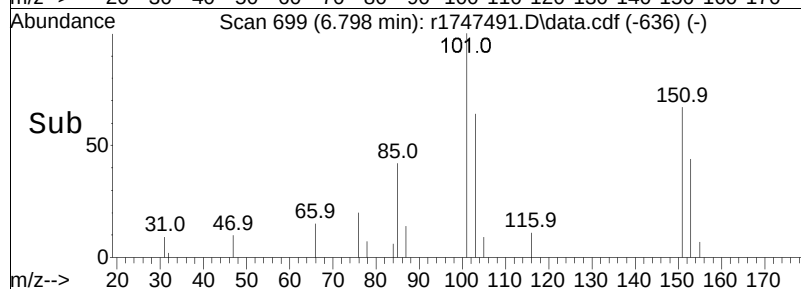
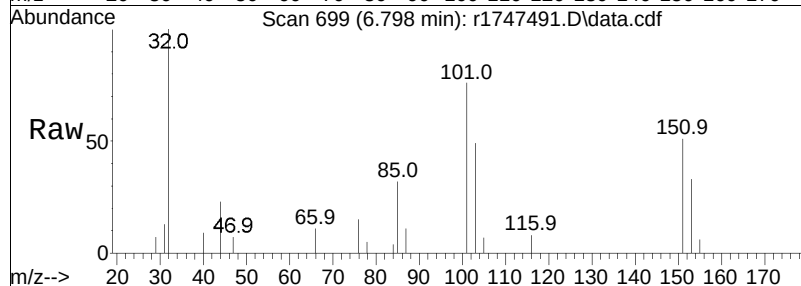
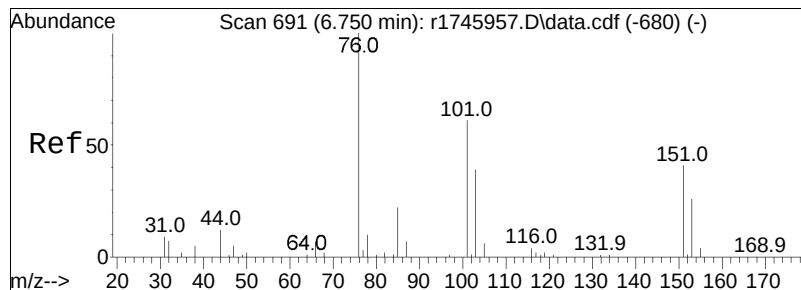




#28
methylene chloride
Concen: 0.17 ppbV
RT: 6.498 min Scan# 649
Delta R.T. 0.048 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

Tgt	Ion	Resp	Lower	Upper
49	100			
84	73.4	53.4	80.0	





#31

Freon 113

Concen: 0.24 ppbV

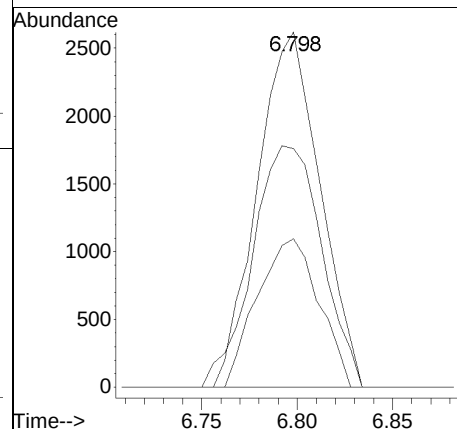
RT: 6.798 min Scan# 699

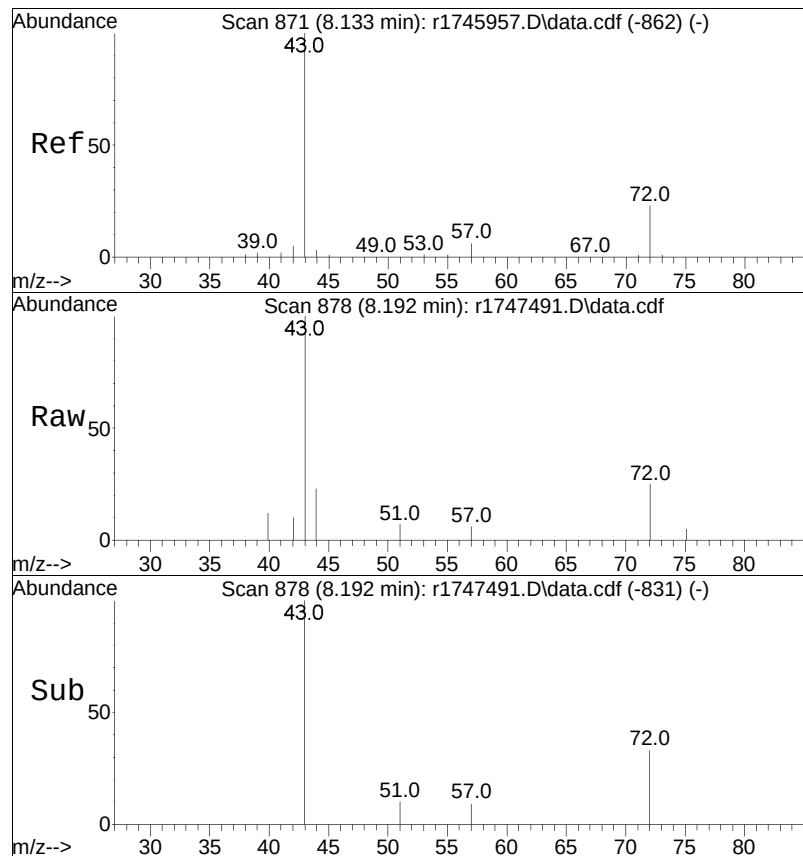
Delta R.T. 0.048 min

Lab File: r1747491.D

Acq: 6 Mar 2025 10:48 PM

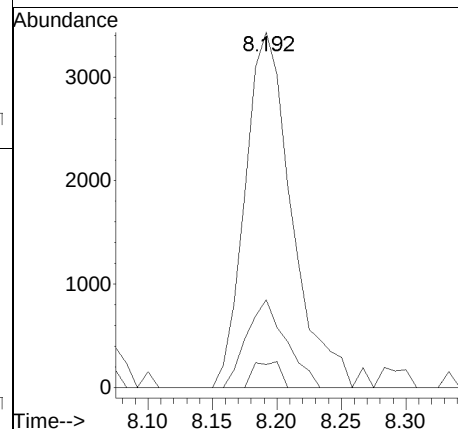
Tgt Ion:	101	Resp:	5984
Ion Ratio	Lower	Upper	
101	100		
85	41.8	29.0	43.4
151	67.2	53.6	80.4

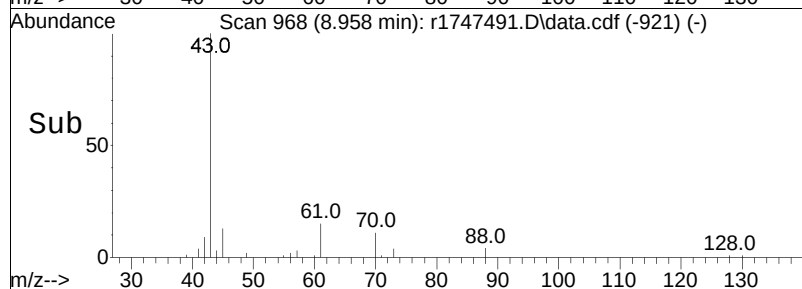
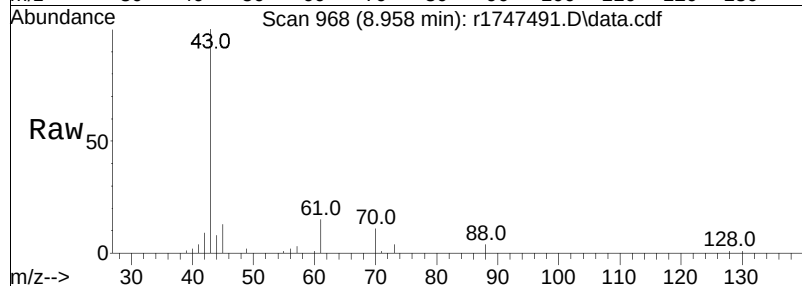
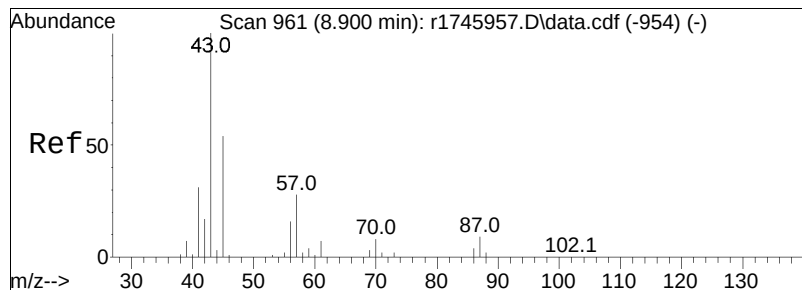




#36
 2-butanone
 Concen: 0.28 ppbV
 RT: 8.192 min Scan# 878
 Delta R.T. 0.058 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

Tgt Ion:	43	Resp:	8724
Ion Ratio	Lower	Upper	
43	100		
72	24.7	18.1	27.1
57	6.5	4.6	6.8





#38

Ethyl Acetate

Concen: 1.16 ppbV

RT: 8.958 min Scan# 968

Delta R.T. 0.058 min

Lab File: r1747491.D

Acq: 6 Mar 2025 10:48 PM

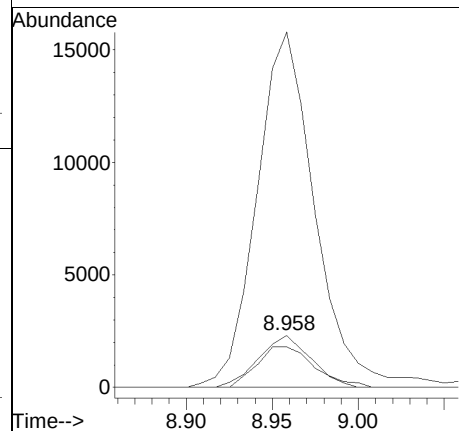
Tgt Ion: 61 Resp: 4904

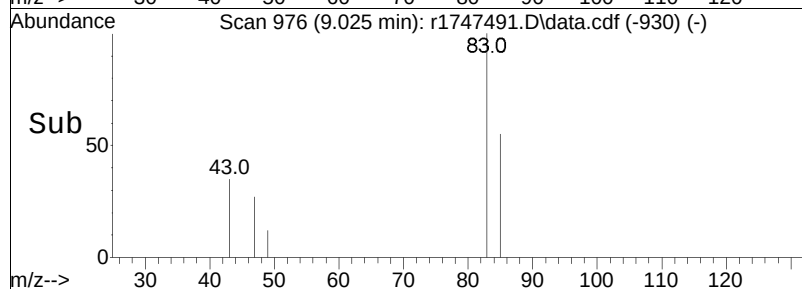
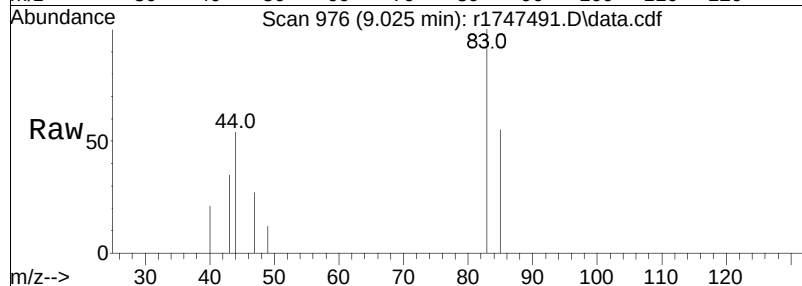
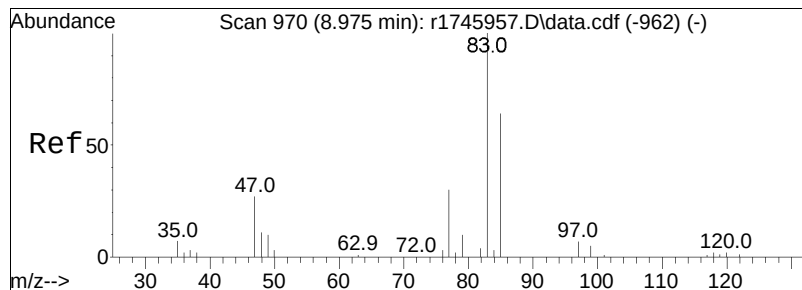
Ion Ratio Lower Upper

61 100

70 77.7 85.8 128.8#

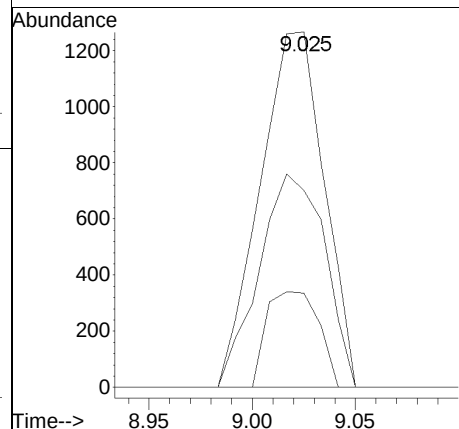
43 683.0 1077.6 1616.4#

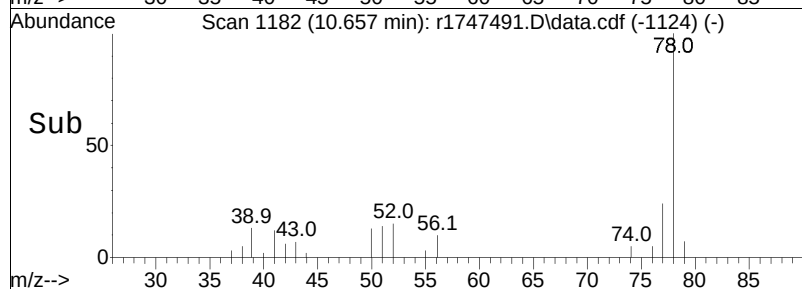
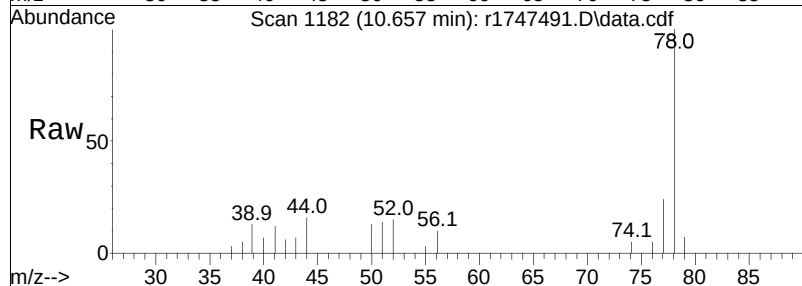
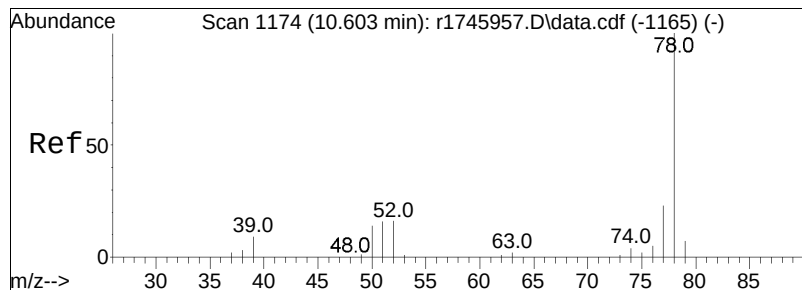




#39
chloroform
Concen: 0.12 ppbV
RT: 9.025 min Scan# 976
Delta R.T. 0.050 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

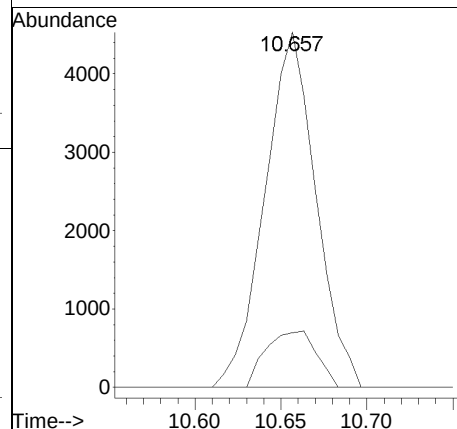
Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.4	51.6	77.4
47	26.5	21.4	32.2

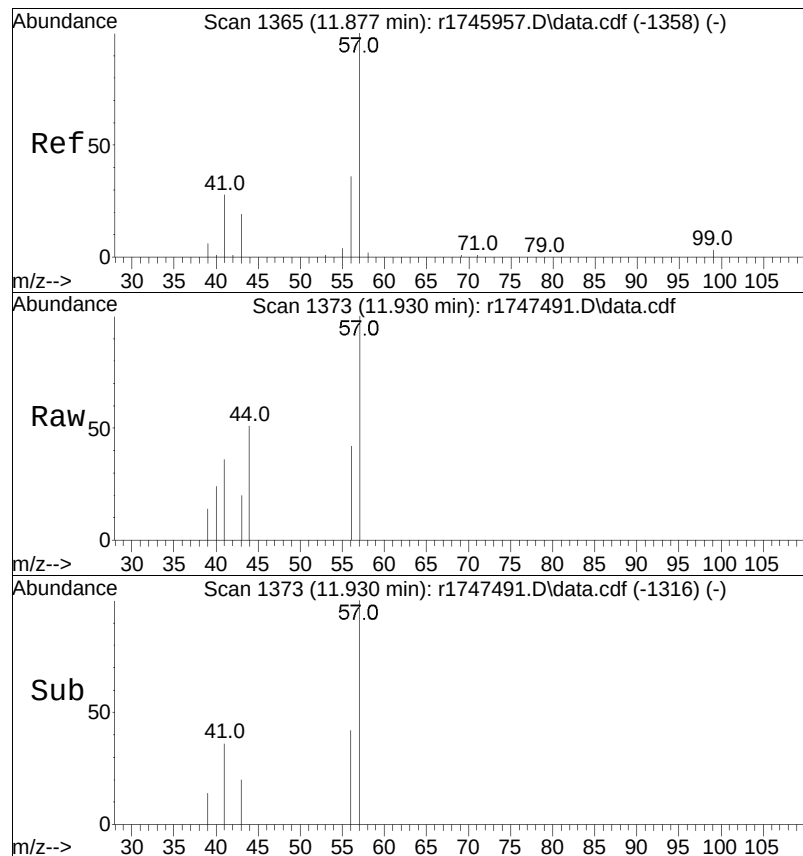




#50
benzene
Concen: 0.21 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

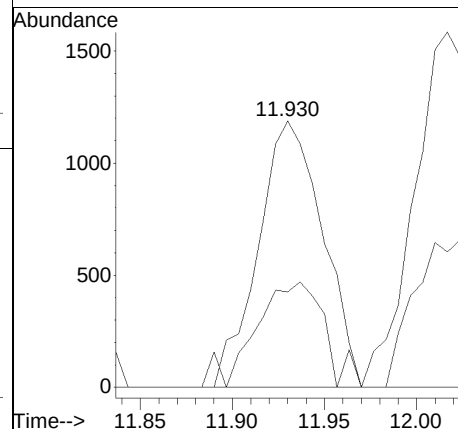
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.4	12.5	18.7

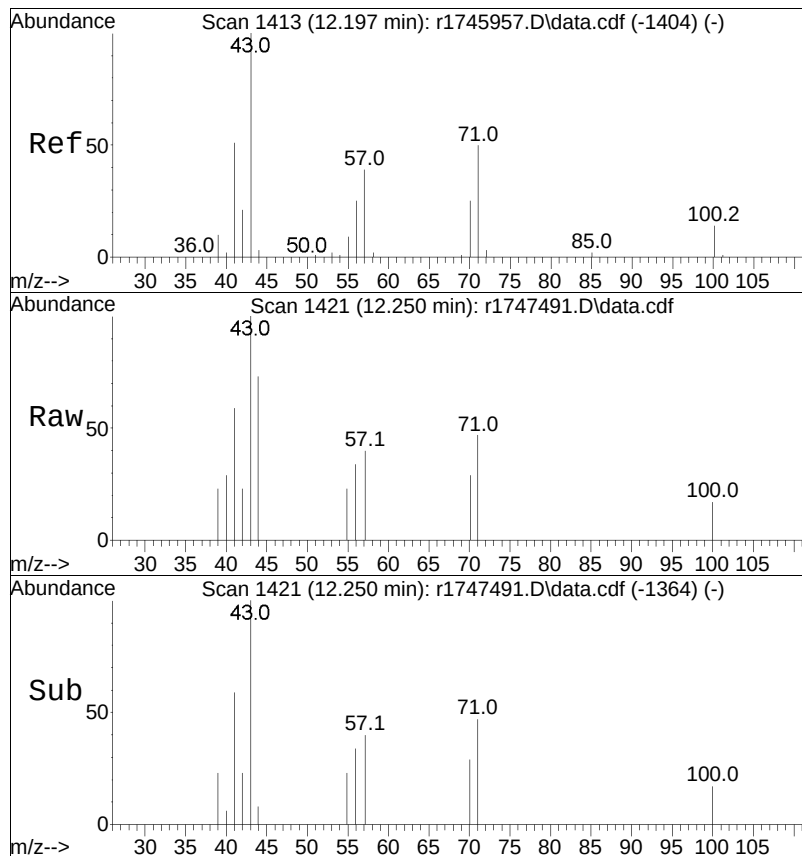




#60
 2,2,4-trimethylpentane
 Concen: 0.04 ppbV
 RT: 11.930 min Scan# 1373
 Delta R.T. 0.053 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

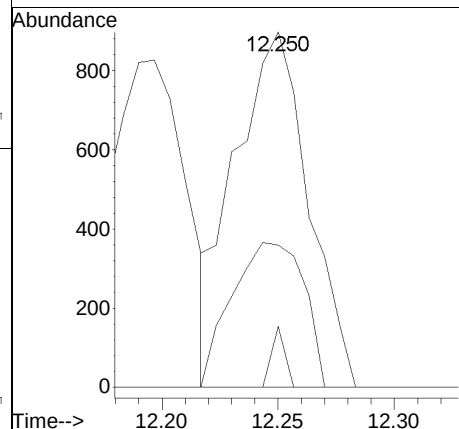
Tgt	Ion	Ratio	Lower	Upper
57	100			
99	0.0	4.6	6.8#	
41	35.9	22.3	33.5#	

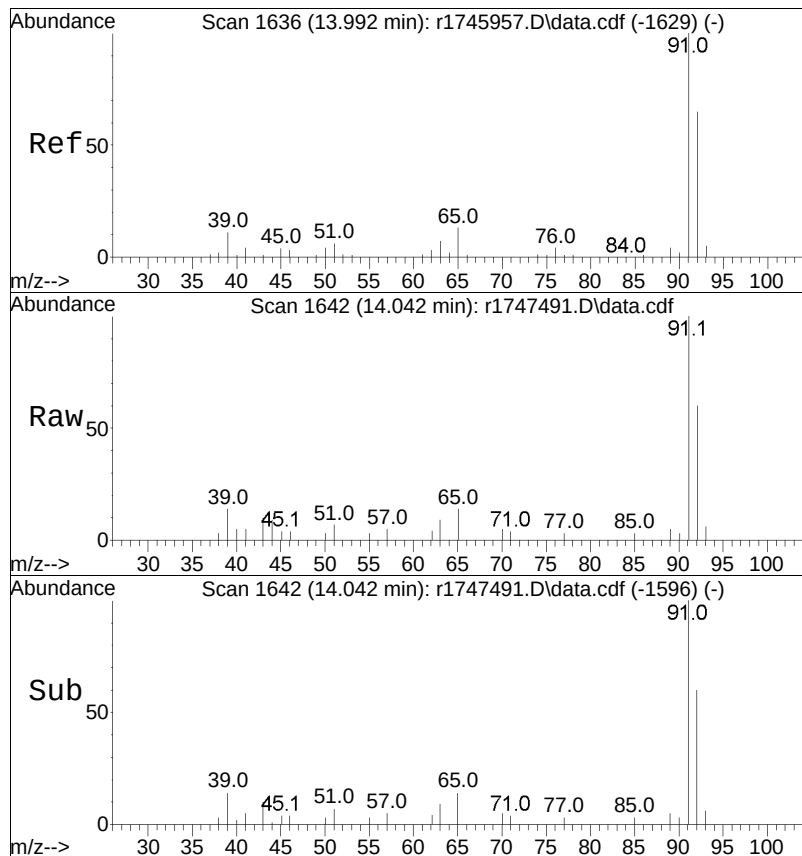




#62
 heptane
 Concen: 0.07 ppbV m
 RT: 12.250 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

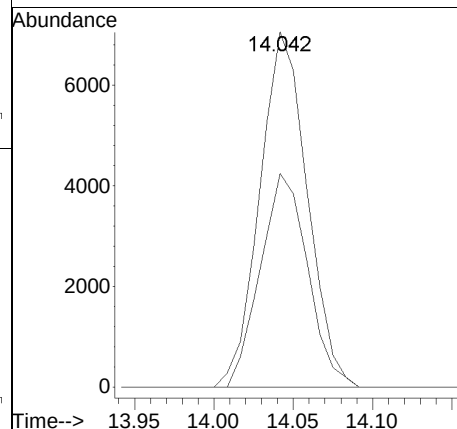
Tgt Ion: 43	Resp: 1979
Ion Ratio	Lower Upper
43 100	
57 40.0	31.1 46.7
100 17.2	11.4 17.2#

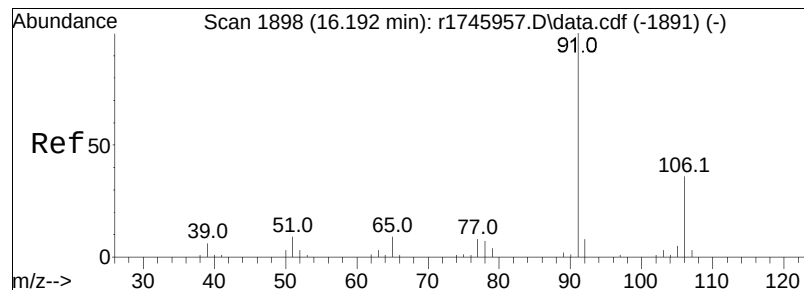




#68
 toluene
 Concen: 0.26 ppbV
 RT: 14.042 min Scan# 1642
 Delta R.T. 0.050 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

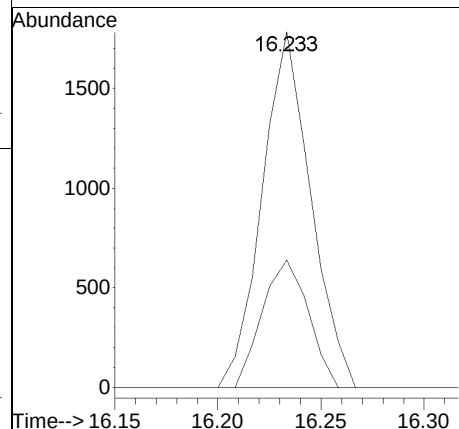
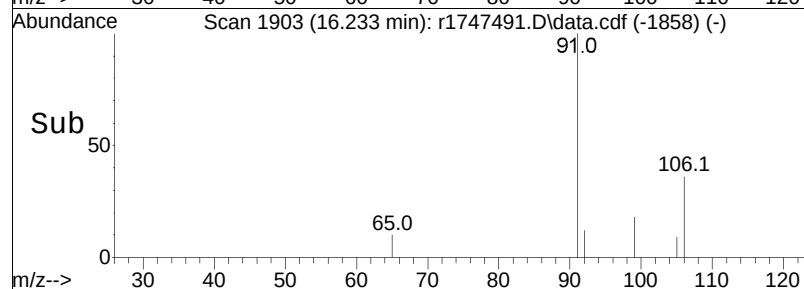
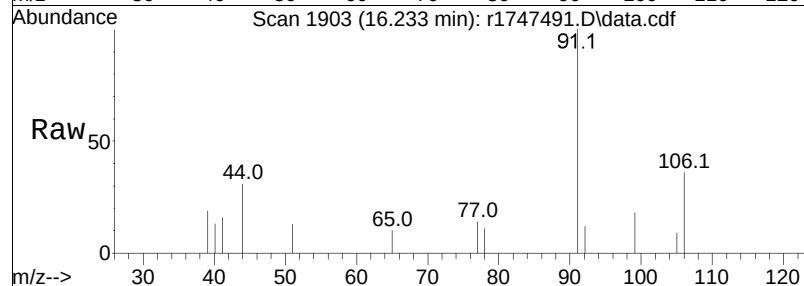
Tgt Ion:	91	Resp:	14689
Ion Ratio	Lower	Upper	
91	100		
92	60.2	51.7	77.5

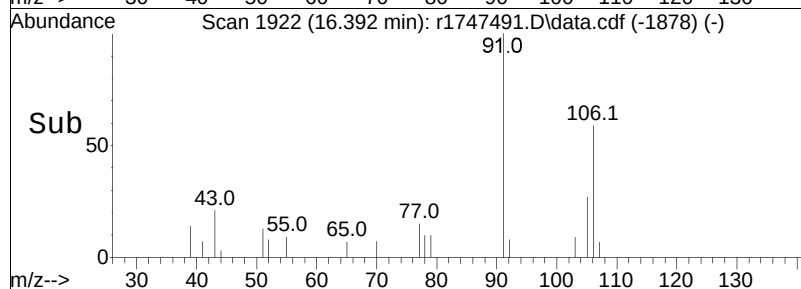
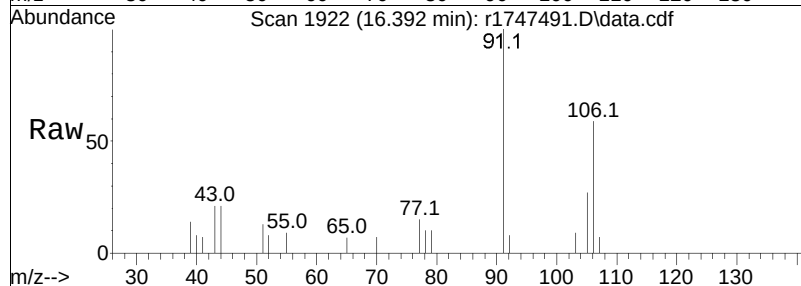
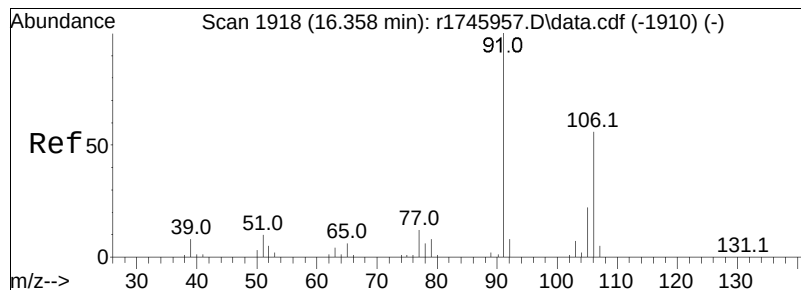




#81
ethylbenzene
Concen: 0.04 ppbV
RT: 16.233 min Scan# 1903
Delta R.T. 0.042 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.8	28.5	42.7





#83

m+p-xylene

Concen: 0.12 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747491.D

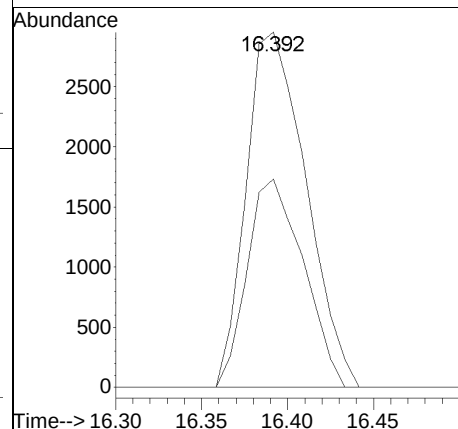
Acq: 6 Mar 2025 10:48 PM

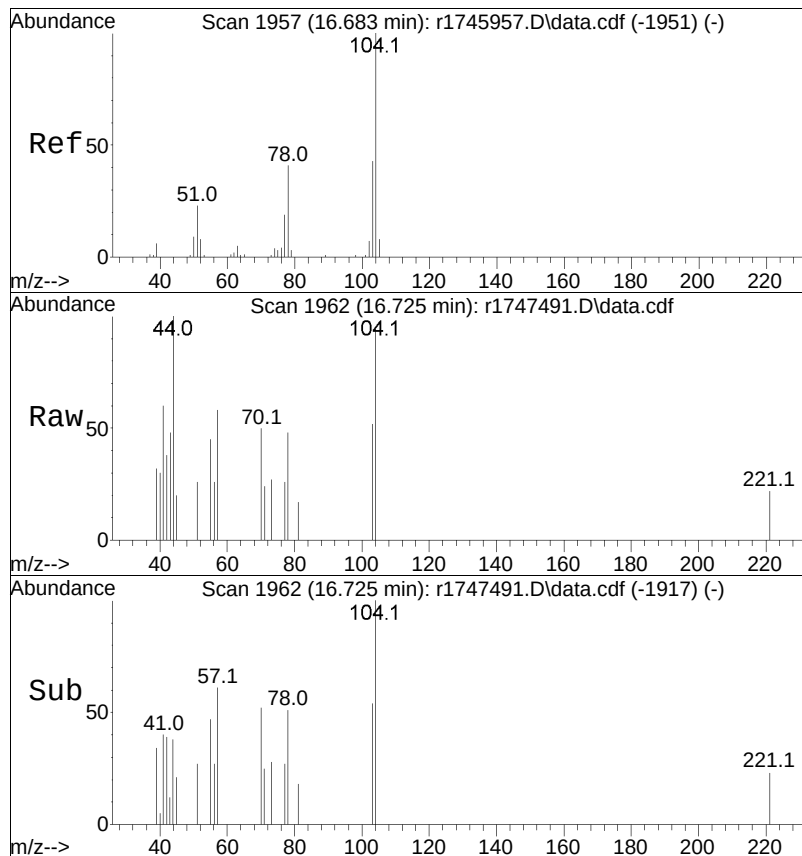
Tgt Ion: 91 Resp: 7149

Ion Ratio Lower Upper

91 100

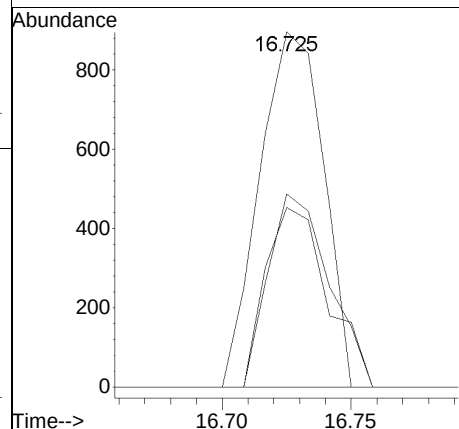
106 58.6 44.7 67.1

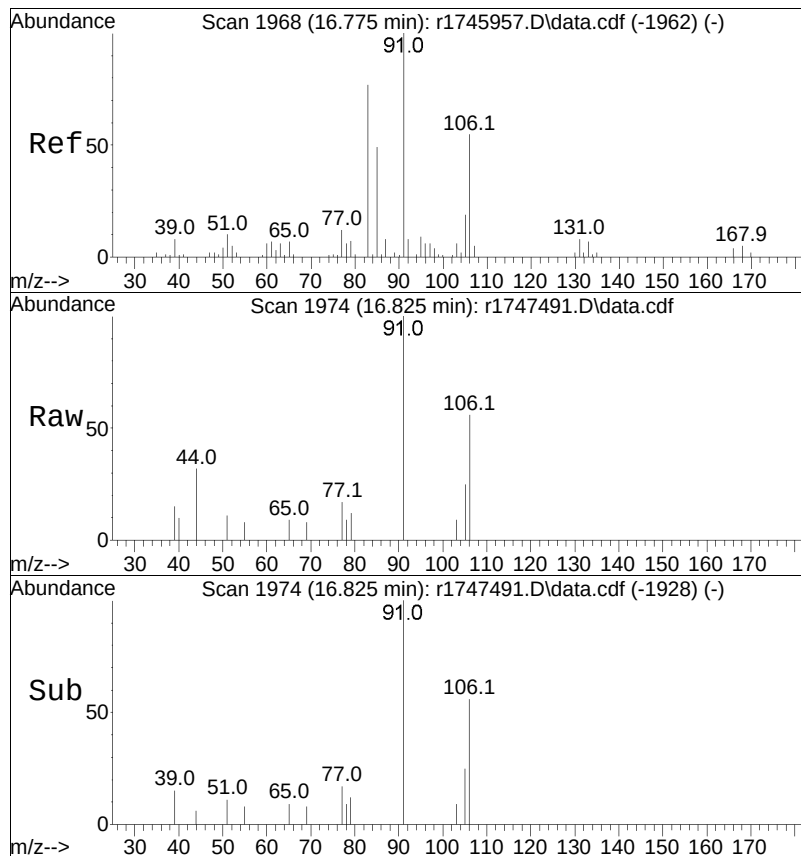




#85
styrene
Concen: 0.03 ppbV
RT: 16.725 min Scan# 1962
Delta R.T. 0.042 min
Lab File: r1747491.D
Acq: 6 Mar 2025 10:48 PM

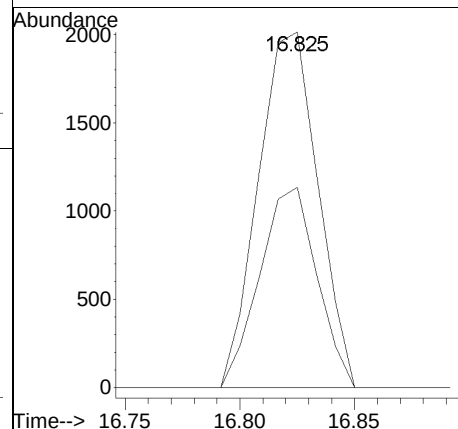
Tgt Ion	Ratio	Lower	Upper
104	100		
103	54.4	34.1	51.1#
78	50.6	32.7	49.1#

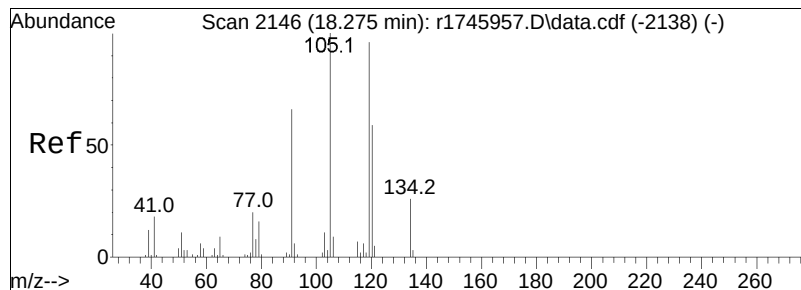




#87
 o-xylene
 Concen: 0.06 ppbV
 RT: 16.825 min Scan# 1974
 Delta R.T. 0.050 min
 Lab File: r1747491.D
 Acq: 6 Mar 2025 10:48 PM

Tgt Ion	Ratio	Lower	Upper
91	100		
106	56.3	43.9	65.9





#99

1,2,4-trimethylbenzene

Concen: 0.04 ppbV m

RT: 18.317 min Scan# 2151

Delta R.T. 0.042 min

Lab File: r1747491.D

Acq: 6 Mar 2025 10:48 PM

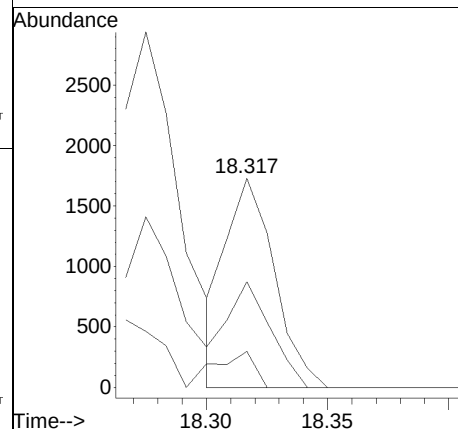
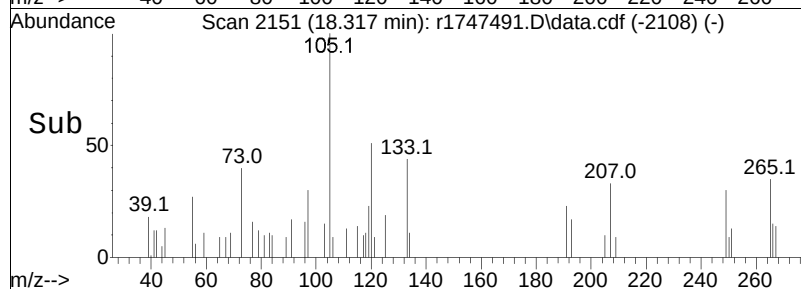
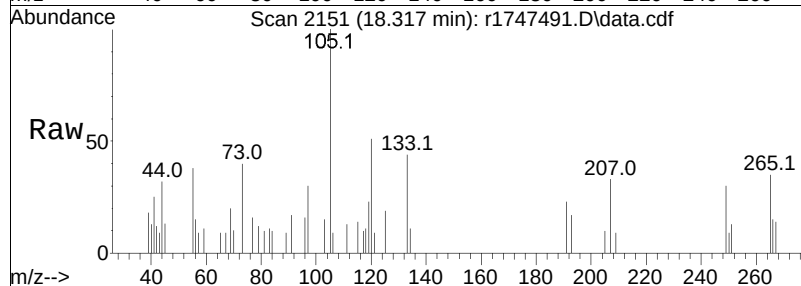
Tgt Ion:105 Resp: 2417

Ion Ratio Lower Upper

105 100

120 50.5 47.1 70.7

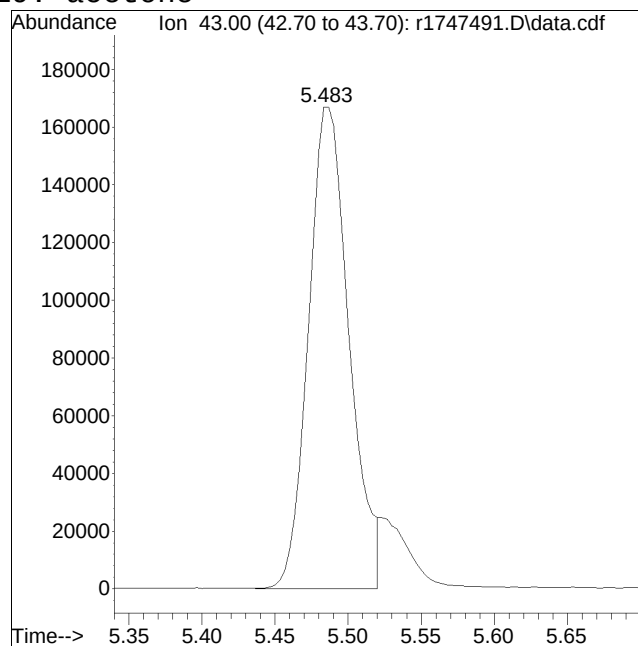
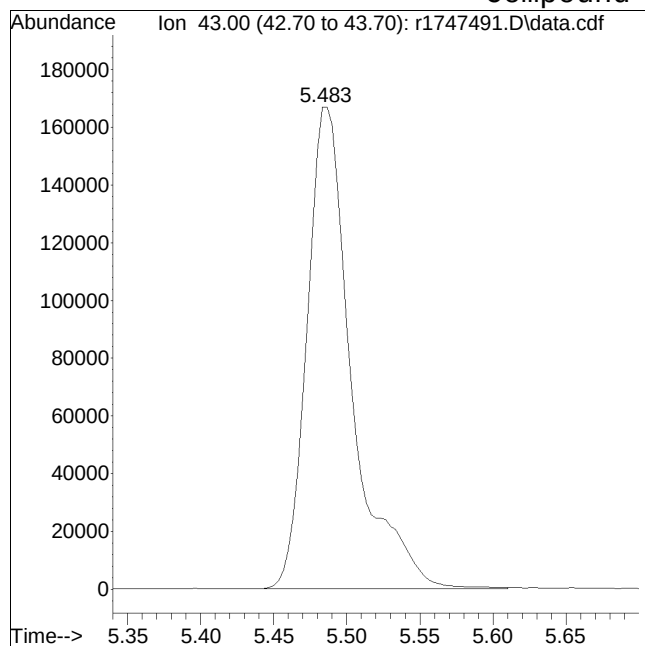
91 17.2 53.0 79.4#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747491.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:48 PM Instrument :
Sample : L2509499-04,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #19: acetone



Original Peak Response = 356558

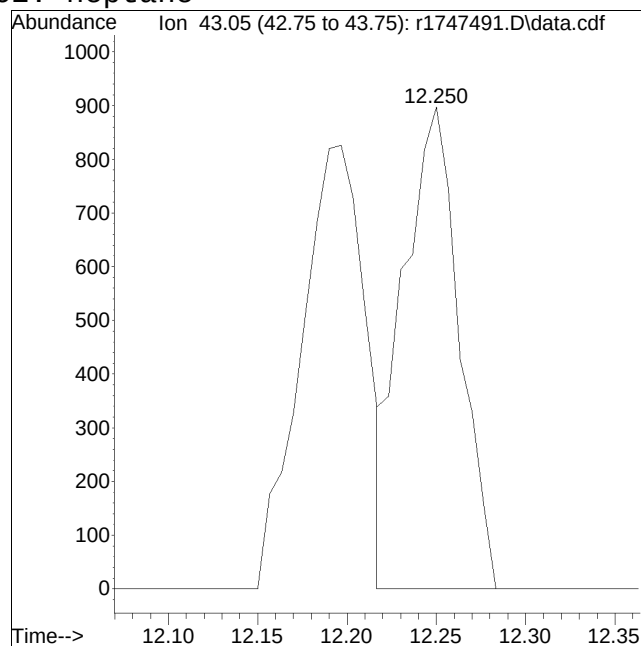
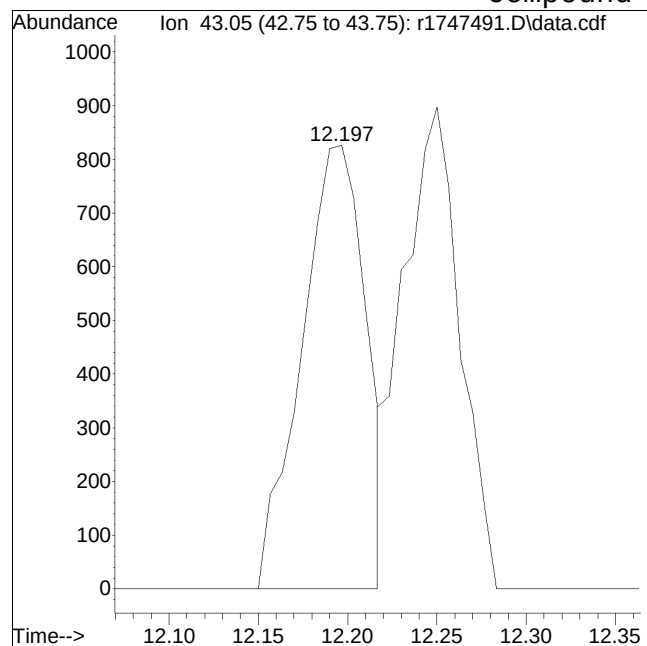
Manual Peak Response = 323334 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747491.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:48 PM Instrument :
Sample : L2509499-04,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #62: heptane



Original Peak Response = 2062

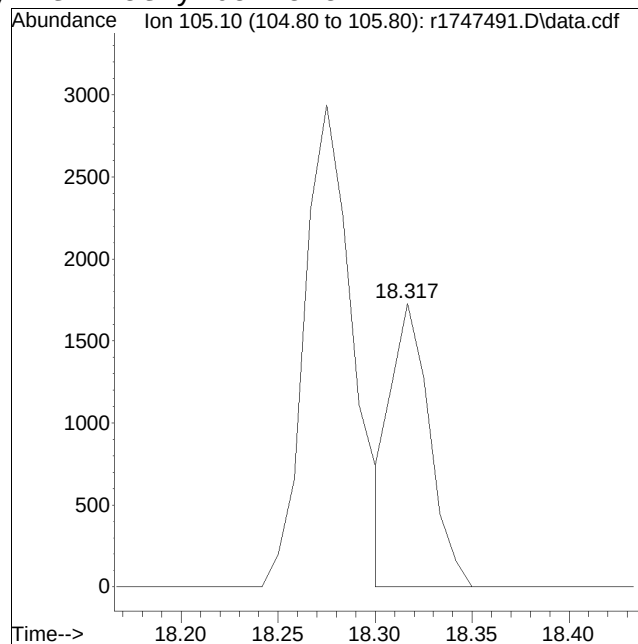
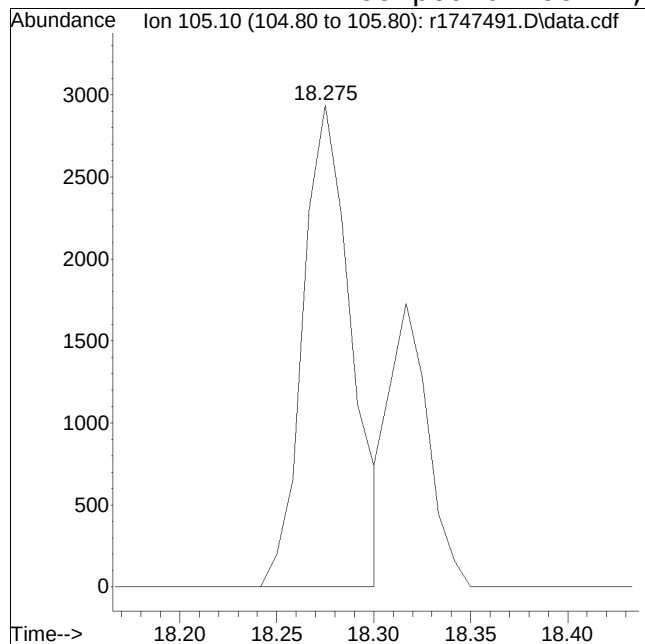
Manual Peak Response = 1979 M3

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\Airlab17\200Method : TFS17_241220.M
Data File : r1747491.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 10:48 PM Instrument :
Sample : L2509499-04,3,250,250 Quant Date : 3/7/2025 7:42 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 5106

Manual Peak Response = 2417 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\Airlab17\2025\03\0306T\
 Data File : r1747492.D
 Acq On : 6 Mar 2025 11:26 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-05,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:43:24 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.867	49	226541	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		87.32%	
43) 1,4-difluorobenzene	11.083	114	543111	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		76.88%	
67) chlorobenzene-D5	15.833	54	88750	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		83.43%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	19847	0.877	ppbV	100
6) chloromethane	4.060	50	9486	0.774	ppbV	100
7) Freon-114	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	4.984	31	339013	39.779	ppbV #	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.487	43	148887M6	8.558	ppbV	
21) trichlorofluoromethane	5.677	101	4904M4	0.244	ppbV	
22) isopropyl alcohol	5.757	45	71320	3.243	ppbV	99
27) tertiary butyl alcohol	6.420		0	N.D.		
28) methylene chloride	6.498	49	2696	0.169	ppbV	88
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.792		0	N.D.		
31) Freon 113	6.792	101	2404	0.103	ppbV	90
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	8.200	43	5829	0.198	ppbV #	94
38) Ethyl Acetate	8.975	61	490	0.122	ppbV #	1
39) chloroform	9.017		0	N.D.		
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.842		0	N.D.		
44) hexane	8.942	57	1880	0.107	ppbV #	4
50) benzene	10.657	78	8097	0.212	ppbV	96
53) cyclohexane	10.970		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747492.D
 Acq On : 6 Mar 2025 11:26 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-05,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:43:24 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.937	57	2452	0.043	ppbV #	83
62) heptane	12.203		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.958		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	14.042	91	8992	0.178	ppbV	97
72) 2-hexanone	14.275		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233		0	N.D.		
83) m+p-xylene	16.392	91	4015	0.078	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.825	91	1804	0.035	ppbV	99
96) 4-ethyl toluene	17.867		0	N.D.		
97) 1,3,5-trimethylbenzene	17.908		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317	105	2470M3	0.043	ppbV	
101) Benzyl Chloride	18.317		0	N.D.		
102) 1,3-dichlorobenzene	18.500		0	N.D.		
103) 1,4-dichlorobenzene	18.500		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.392		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747492.D

Acq On : 6 Mar 2025 11:26 PM

Operator : AIRLAB17:TPH

Sample : L2509499-05,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

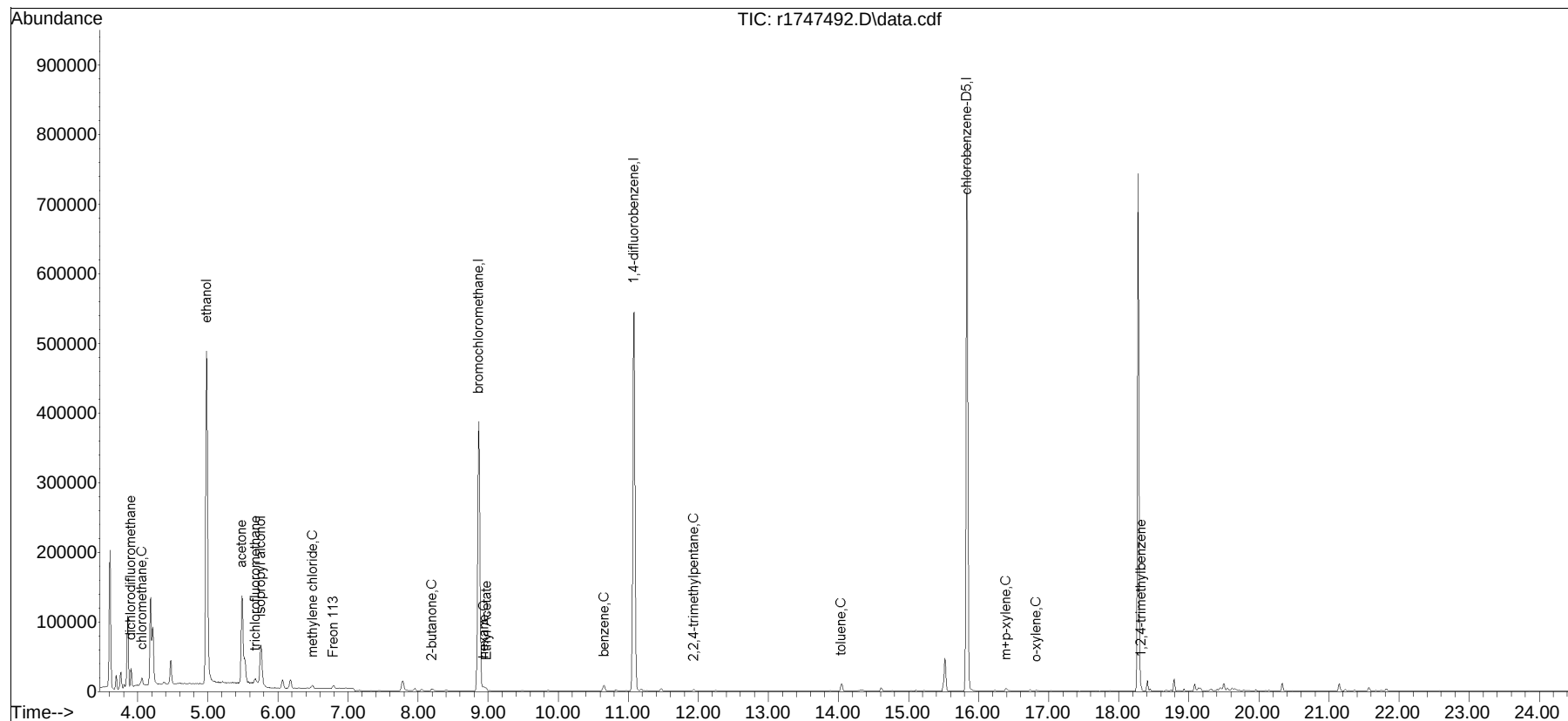
Quant Time: Mar 07 07:43:24 2025

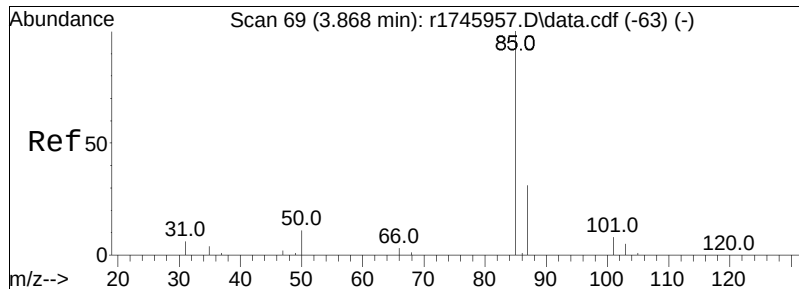
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

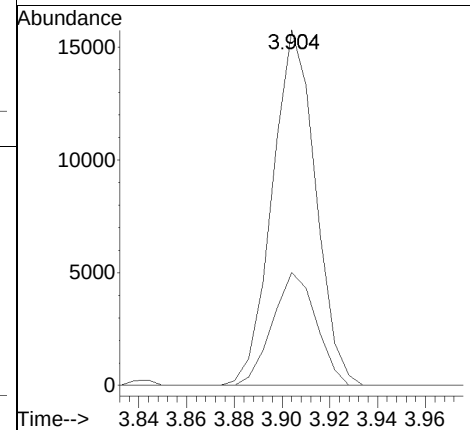
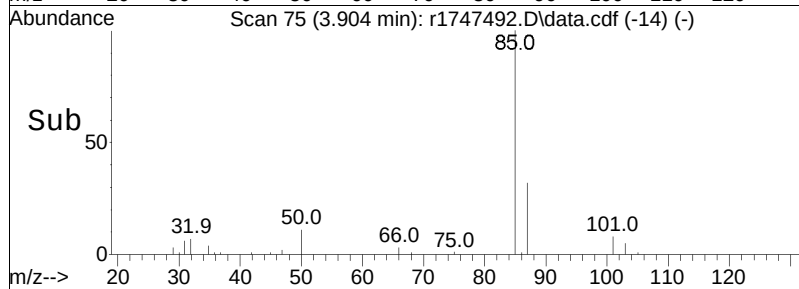
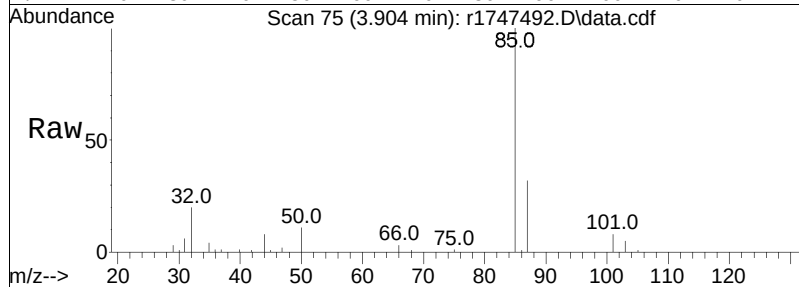
Response via : Initial Calibration

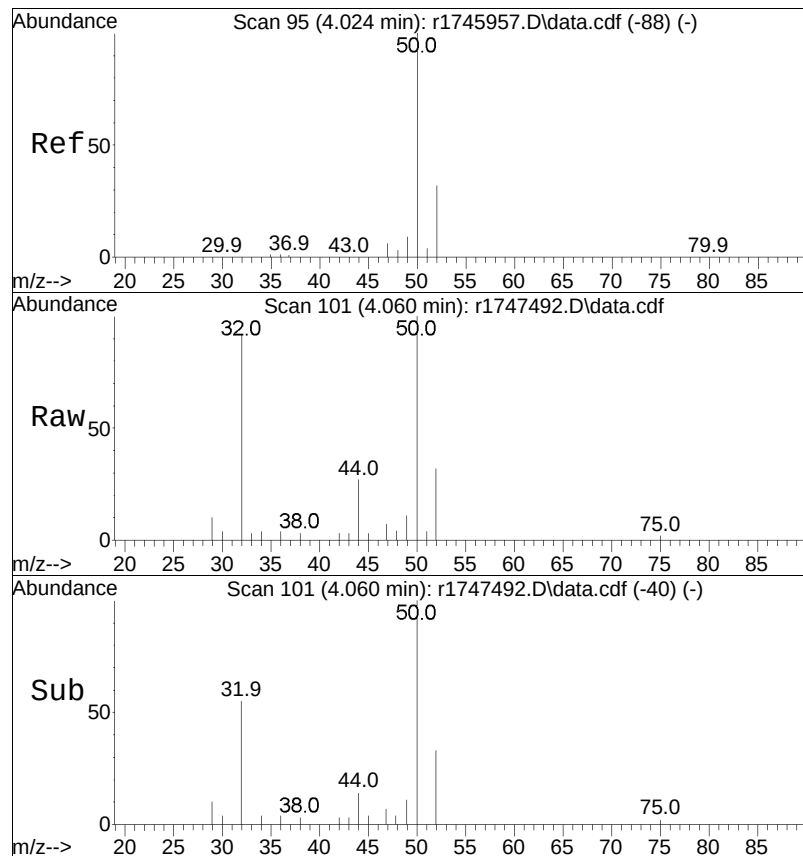




#5
dichlorodifluoromethane
Concen: 0.88 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747492.D
Acq: 6 Mar 2025 11:26 PM

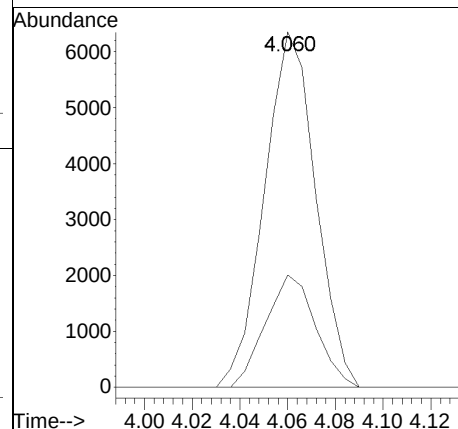
Tgt Ion: 85 Resp: 19847
Ion Ratio Lower Upper
85 100
87 31.8 25.2 37.8

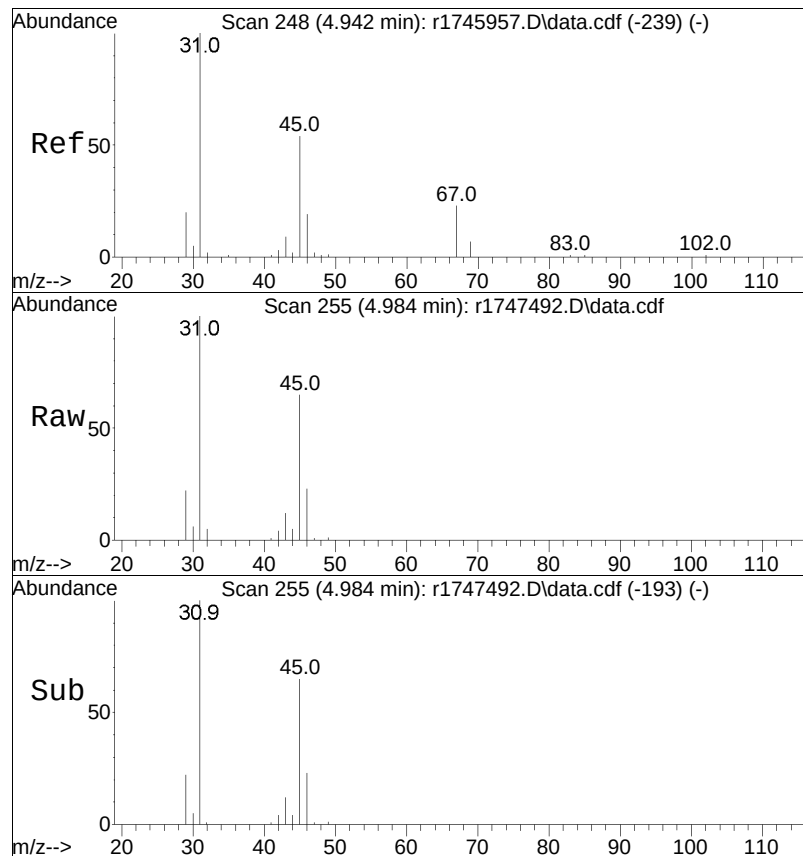




#6
 chloromethane
 Concen: 0.77 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

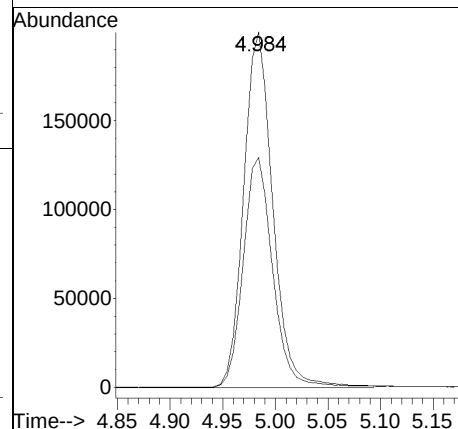
Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.4	38.2

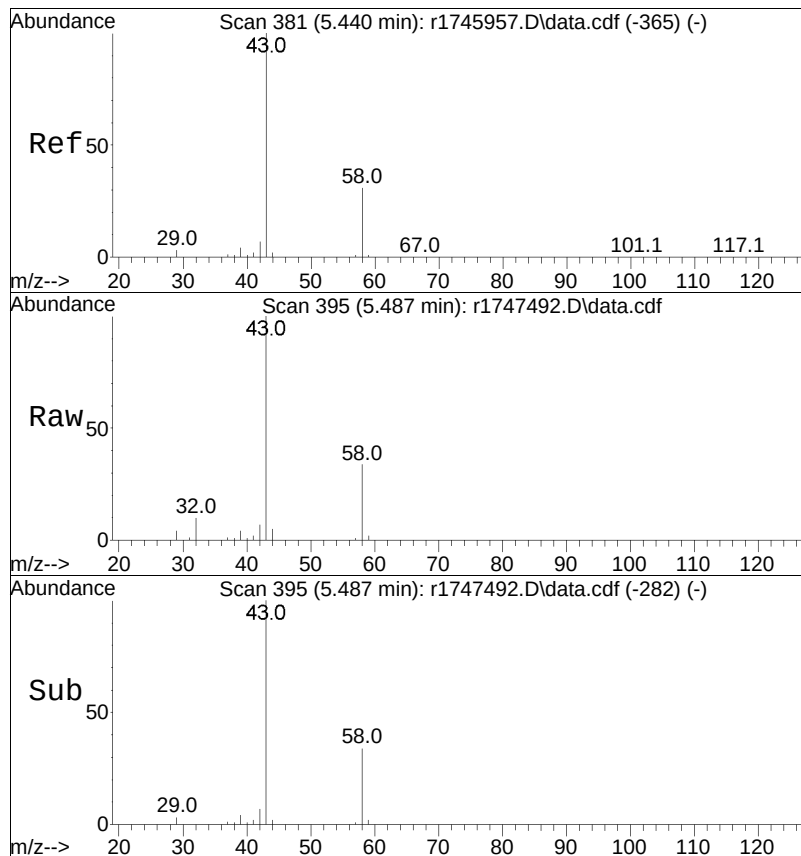




#15
 ethanol
 Concen: 39.78 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

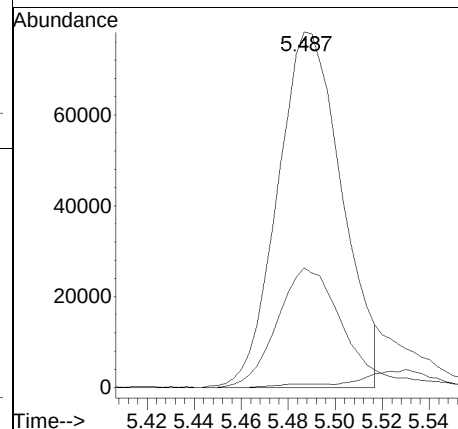
Tgt Ion	Ratio	Lower	Upper
31	100		
45	64.8	43.0	64.6#

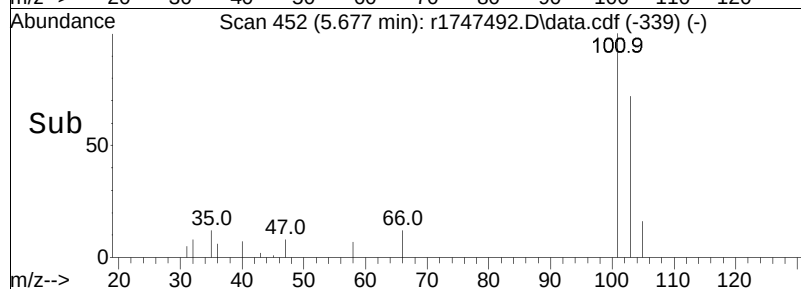
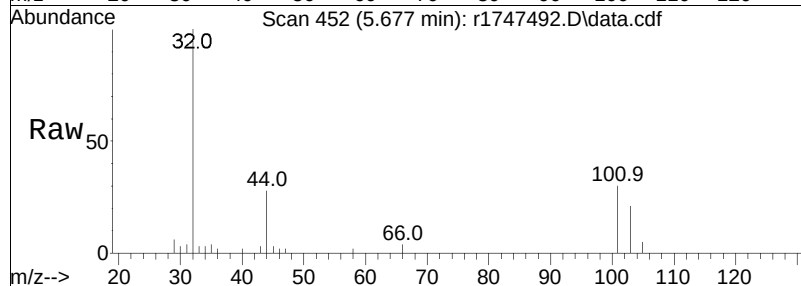
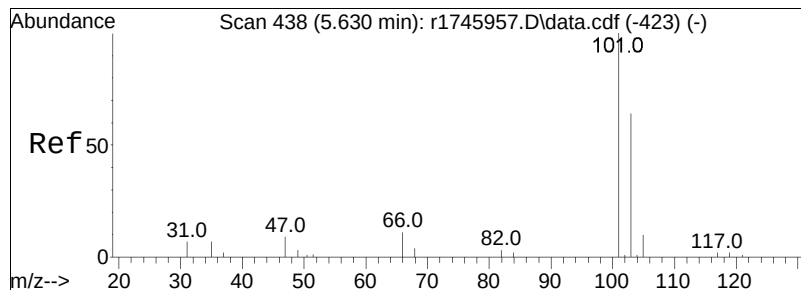




#19
 acetone
 Concen: 8.56 ppbV m
 RT: 5.487 min Scan# 395
 Delta R.T. 0.047 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

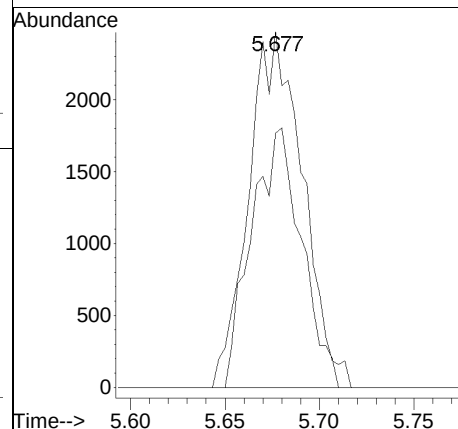
Tgt	Ion: 43	Resp:	148887
Ion	Ratio	Lower	Upper
43	100		
58	33.7	24.7	37.1
57	0.9	0.6	0.8#

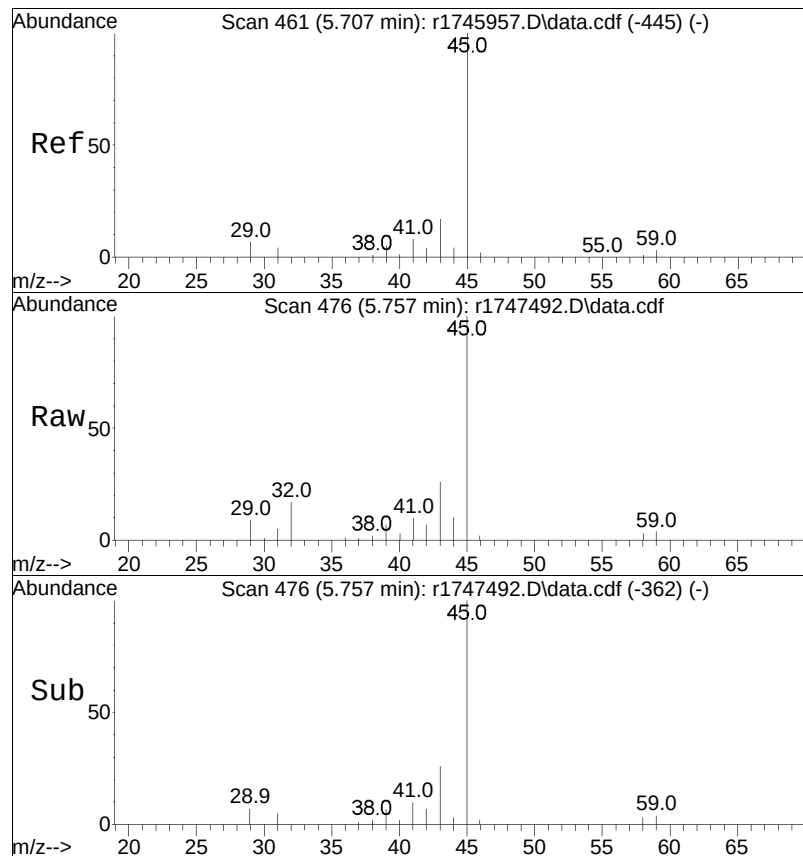




#21
trichlorofluoromethane
Concen: 0.24 ppbV m
RT: 5.677 min Scan# 452
Delta R.T. 0.047 min
Lab File: r1747492.D
Acq: 6 Mar 2025 11:26 PM

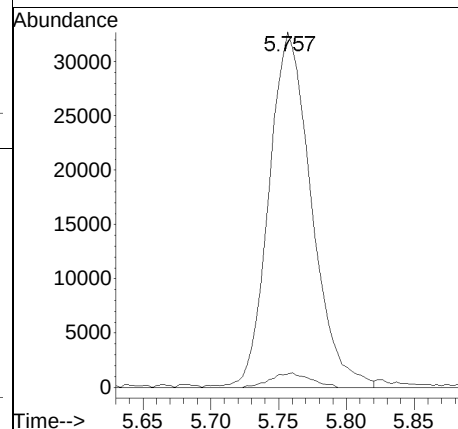
Tgt Ion	Ratio	Lower	Upper
101	100		
103	71.5	50.9	76.3

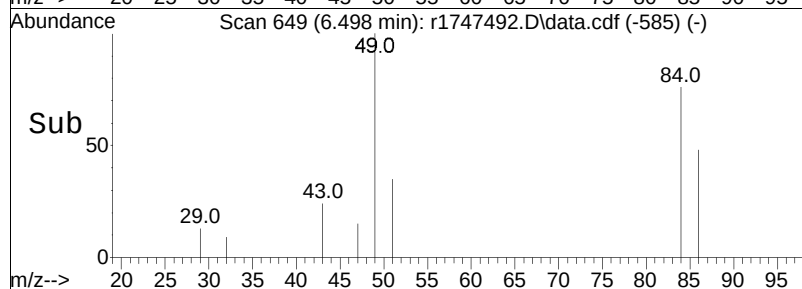
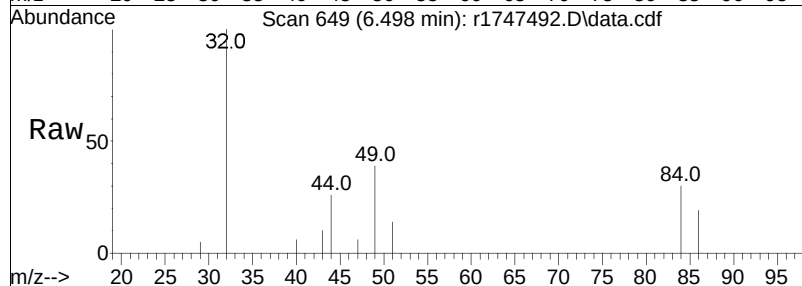
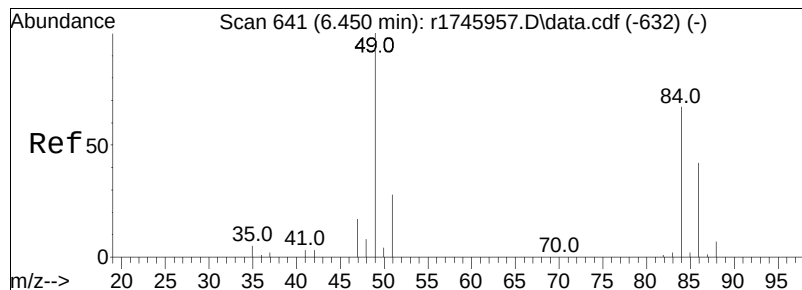




#22
 isopropyl alcohol
 Concen: 3.24 ppbV
 RT: 5.757 min Scan# 476
 Delta R.T. 0.050 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

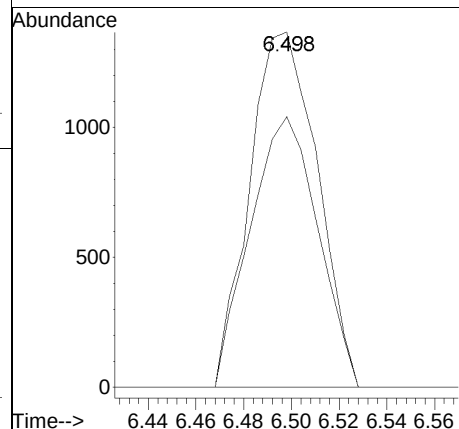
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.8	2.6	4.0

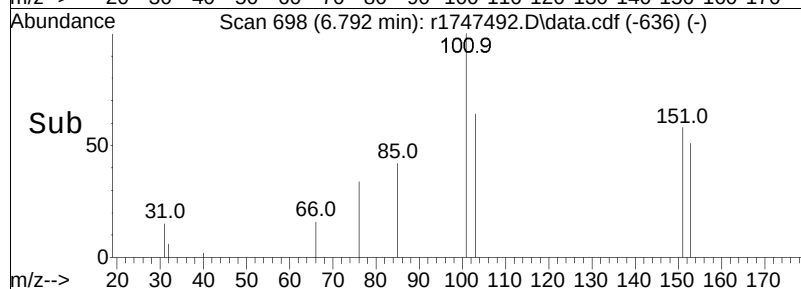
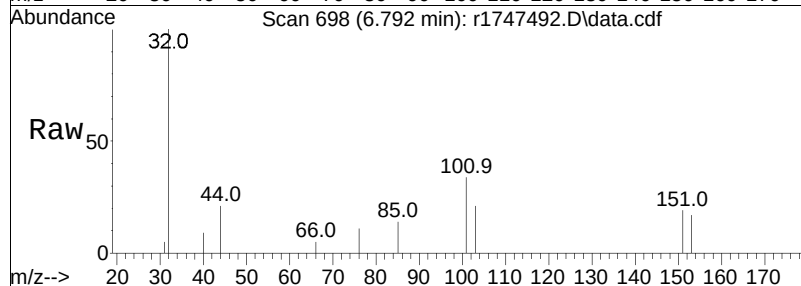
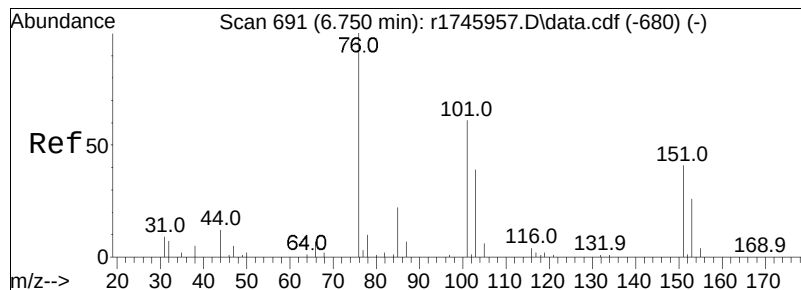




#28
 methylene chloride
 Concen: 0.17 ppbV
 RT: 6.498 min Scan# 649
 Delta R.T. 0.048 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

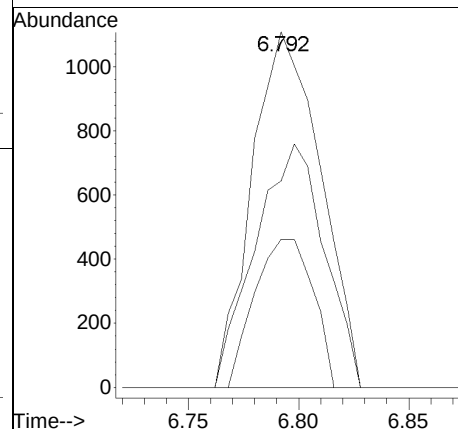
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	2696				
Ion Ratio	100	76.2			
			53.4	80.0	

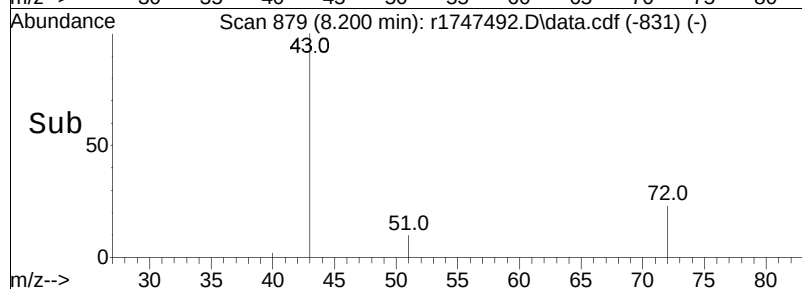
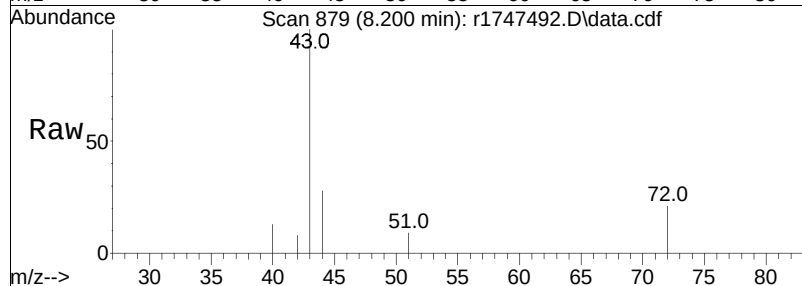
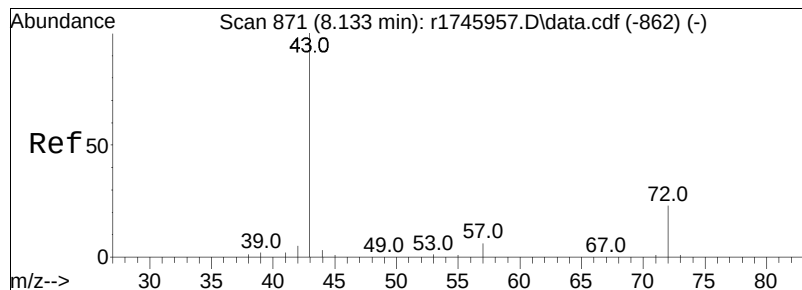




#31
 Freon 113
 Concen: 0.10 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.042 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

Tgt Ion:	101	Resp:	2404
Ion Ratio	Lower	Upper	
101	100		
85	41.7	29.0	43.4
151	58.1	53.6	80.4





#36

2-butanone

Concen: 0.20 ppbV

RT: 8.200 min Scan# 879

Delta R.T. 0.067 min

Lab File: r1747492.D

Acq: 6 Mar 2025 11:26 PM

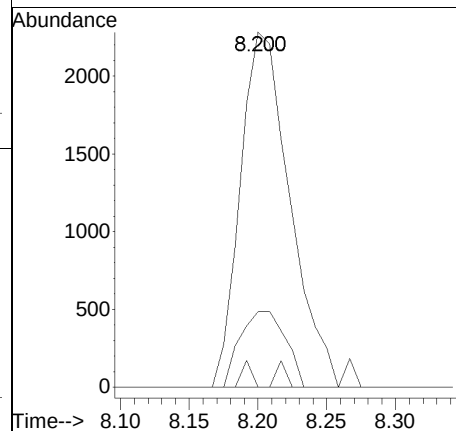
Tgt Ion: 43 Resp: 5829

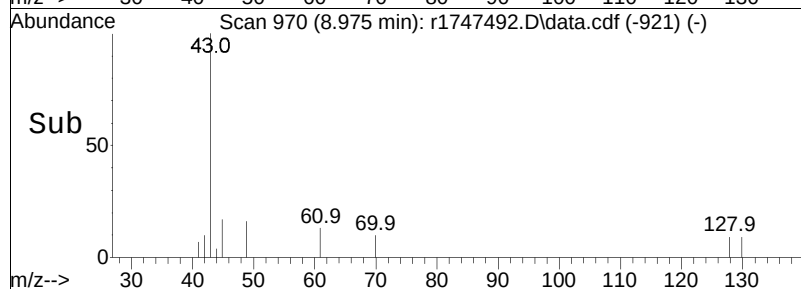
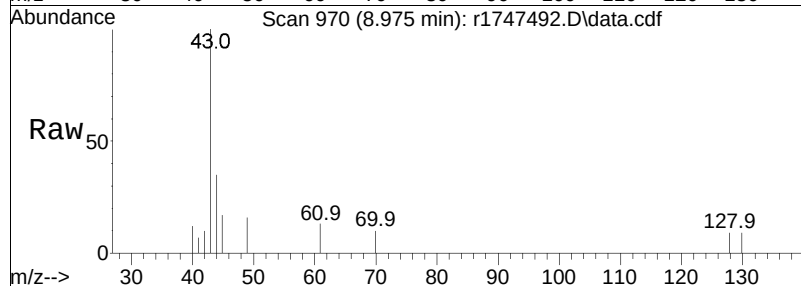
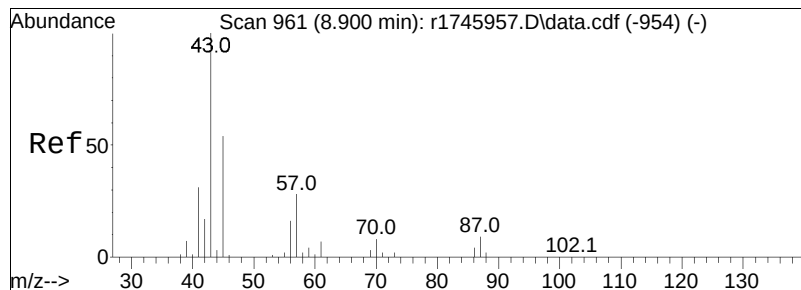
Ion Ratio Lower Upper

43 100

72 21.3 18.1 27.1

57 0.0 4.6 6.8#





#38

Ethyl Acetate

Concen: 0.12 ppbV

RT: 8.975 min Scan# 970

Delta R.T. 0.075 min

Lab File: r1747492.D

Acq: 6 Mar 2025 11:26 PM

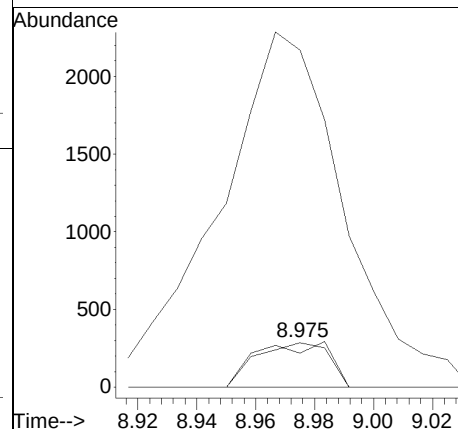
Tgt Ion: 61 Resp: 490

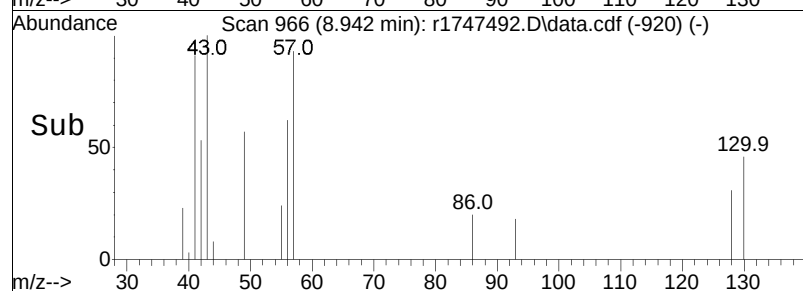
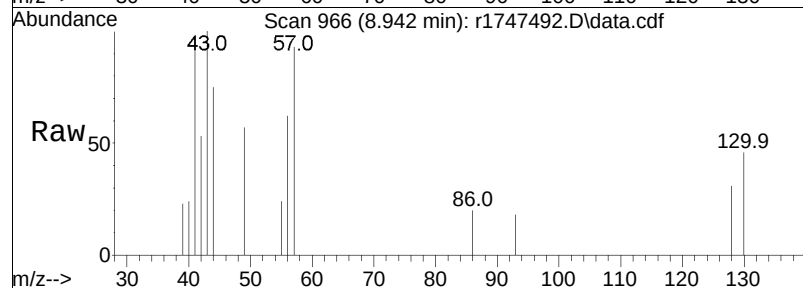
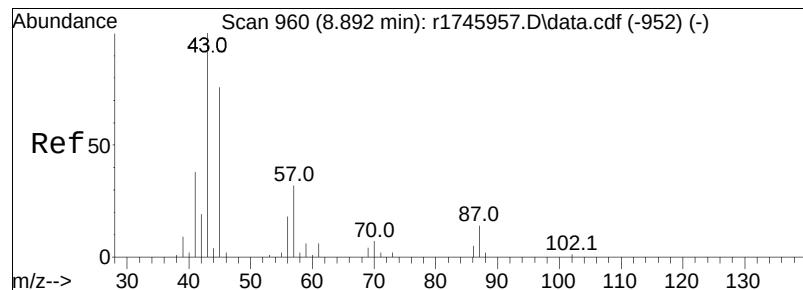
Ion Ratio Lower Upper

61 100

70 76.7 85.8 128.8#

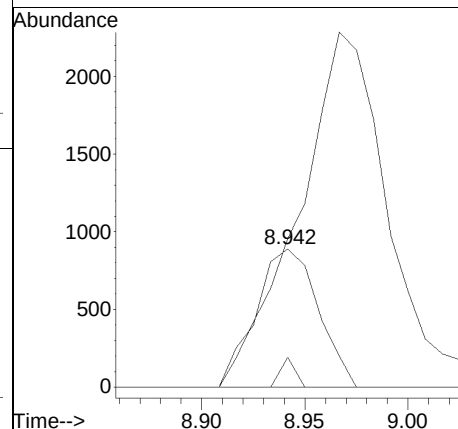
43 755.7 1077.6 1616.4#

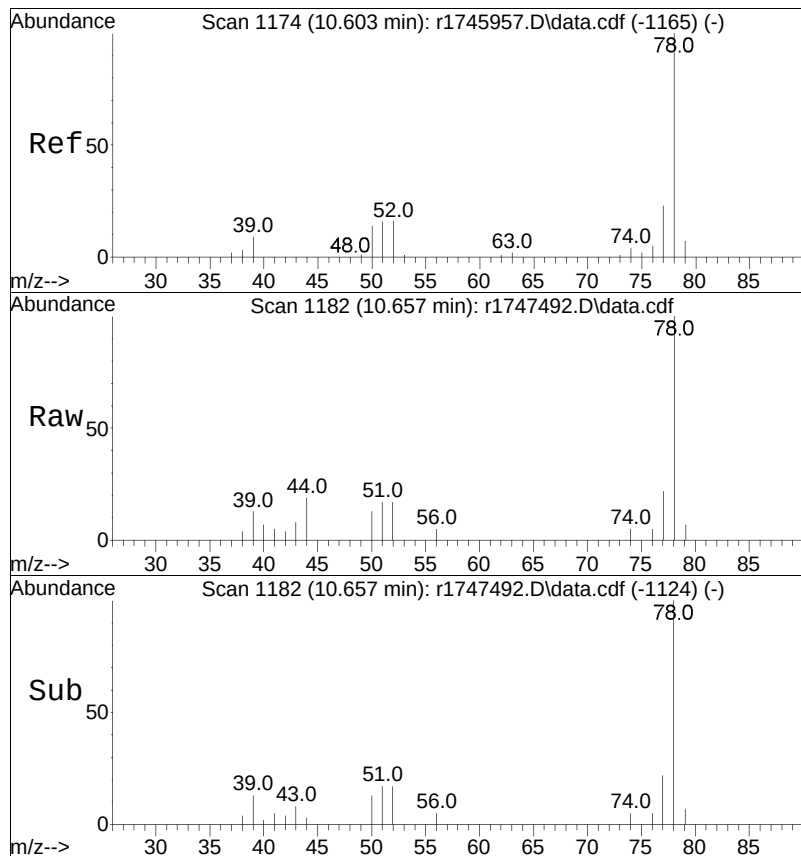




#44
hexane
Concen: 0.11 ppbV
RT: 8.942 min Scan# 966
Delta R.T. 0.050 min
Lab File: r1747492.D
Acq: 6 Mar 2025 11:26 PM

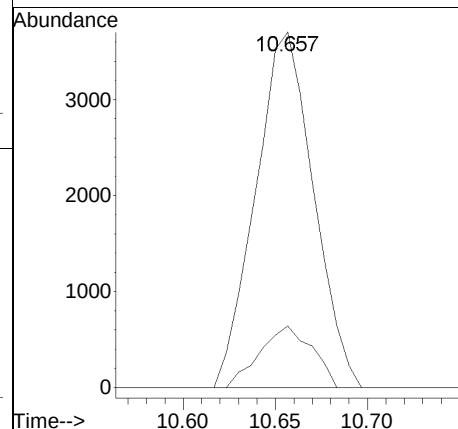
Tgt Ion	Ratio	Lower	Upper
57	100		
43	107.6	247.4	371.0#
86	21.7	12.9	19.3#

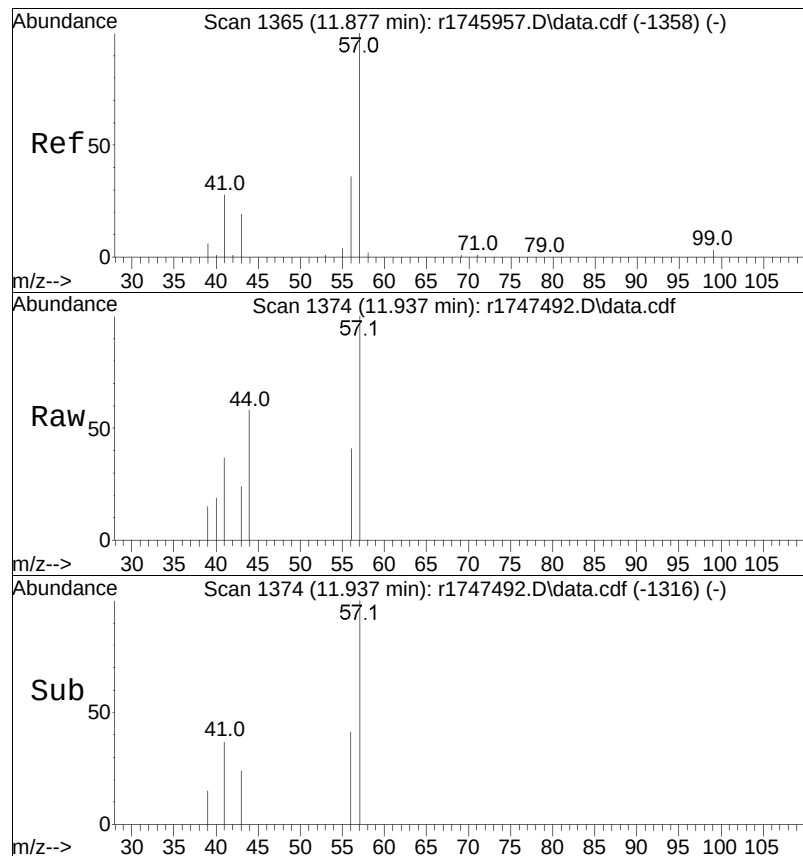




#50
benzene
Concen: 0.21 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747492.D
Acq: 6 Mar 2025 11:26 PM

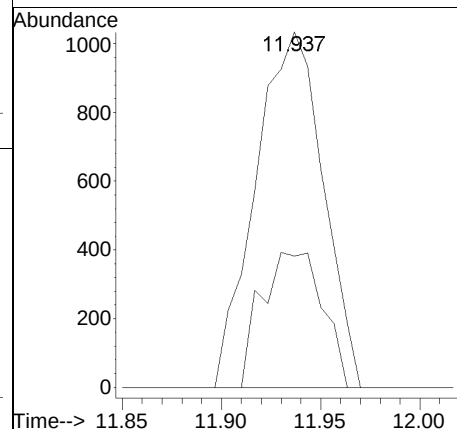
Tgt Ion	Ratio	Lower	Upper
78	100		
52	17.3	12.5	18.7

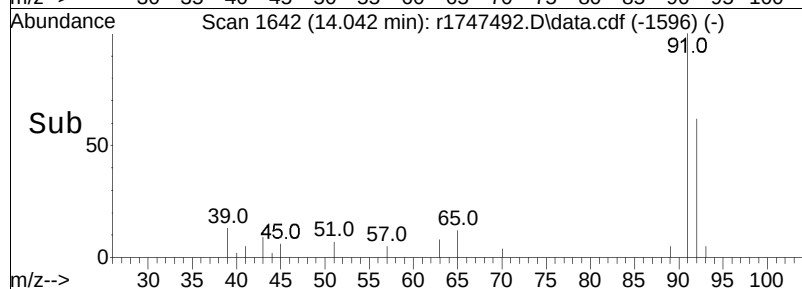
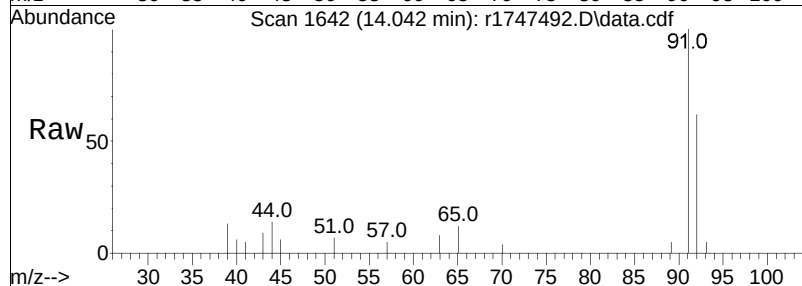
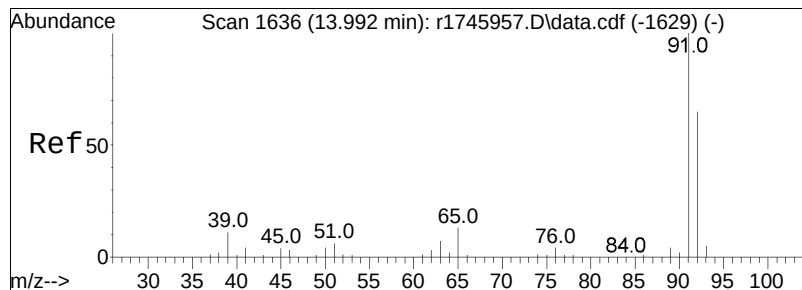




#60
 2,2,4-trimethylpentane
 Concen: 0.04 ppbV
 RT: 11.937 min Scan# 1374
 Delta R.T. 0.060 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

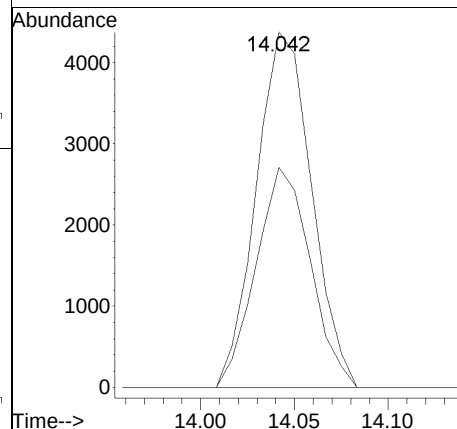
Tgt Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	6.8#
41	36.9	22.3	33.5#

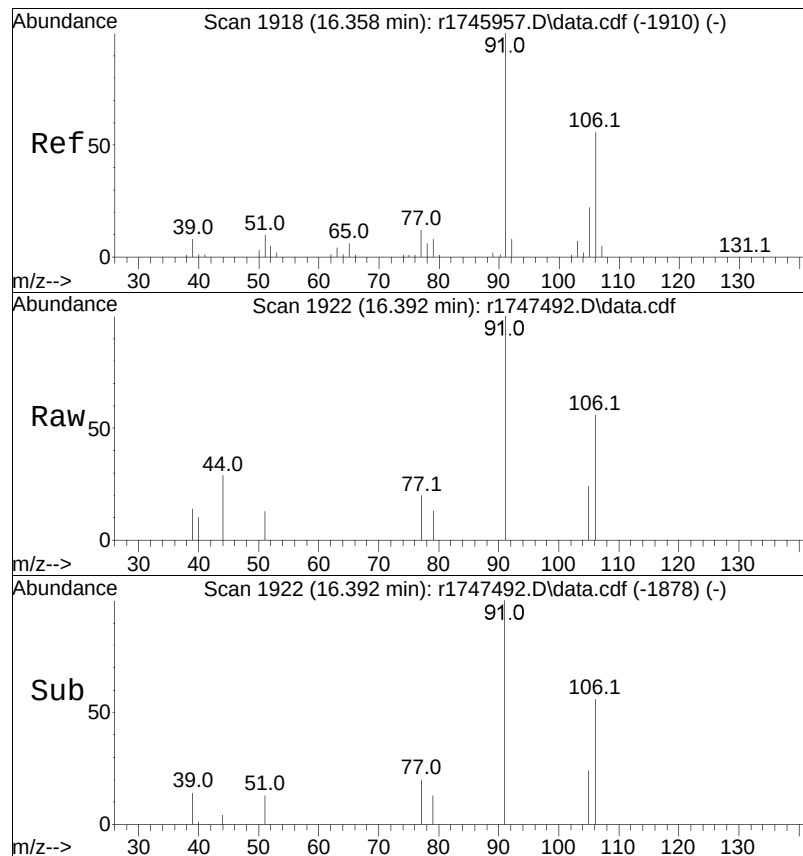




#68
toluene
Concen: 0.18 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747492.D
Acq: 6 Mar 2025 11:26 PM

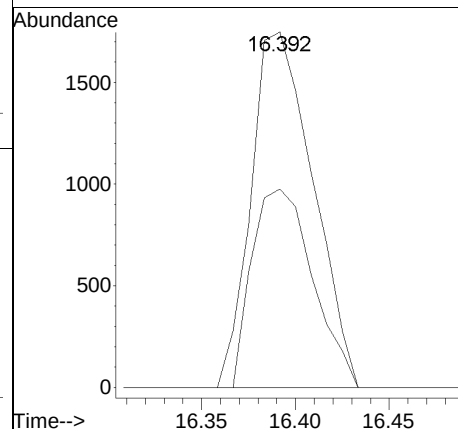
Tgt	Ion	Resp	Lower	Upper
91	100	8992		
92	61.9	51.7	77.5	

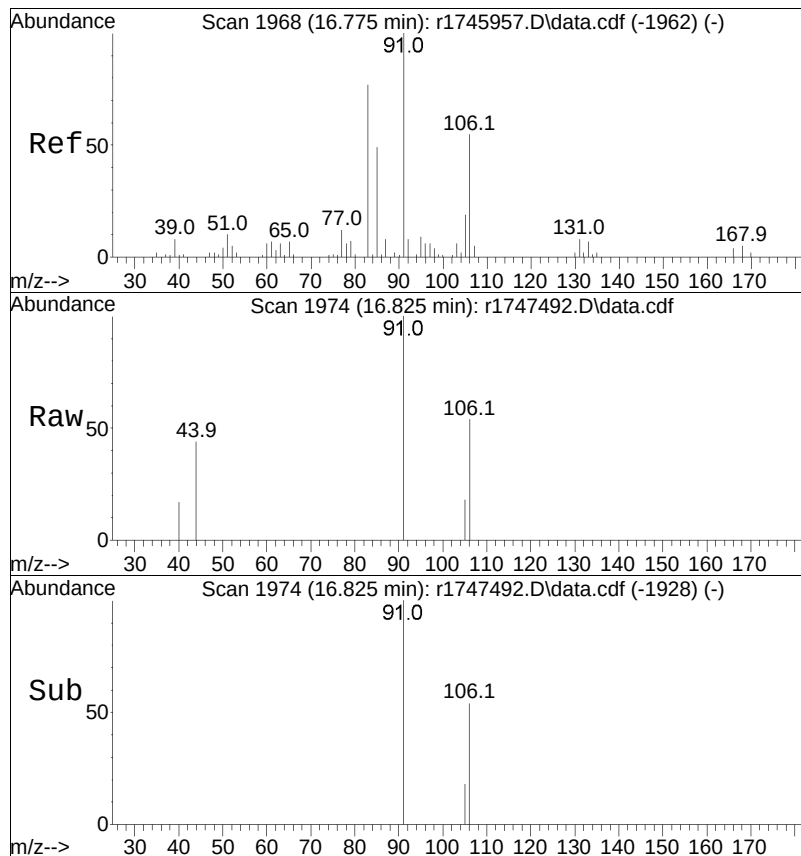




#83
 m+p-xylene
 Concen: 0.08 ppbV
 RT: 16.392 min Scan# 1922
 Delta R.T. 0.033 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

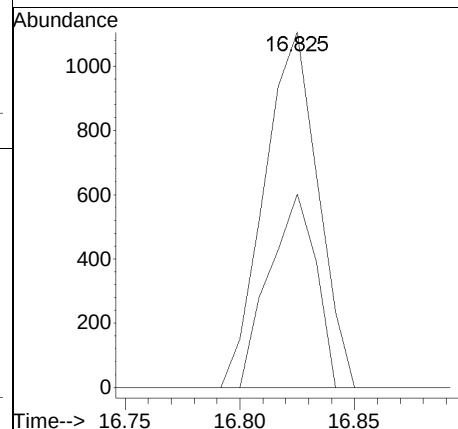
Tgt	Ion	Resp	Lower	Upper
91	100	4015		
106	55.8	44.7	67.1	

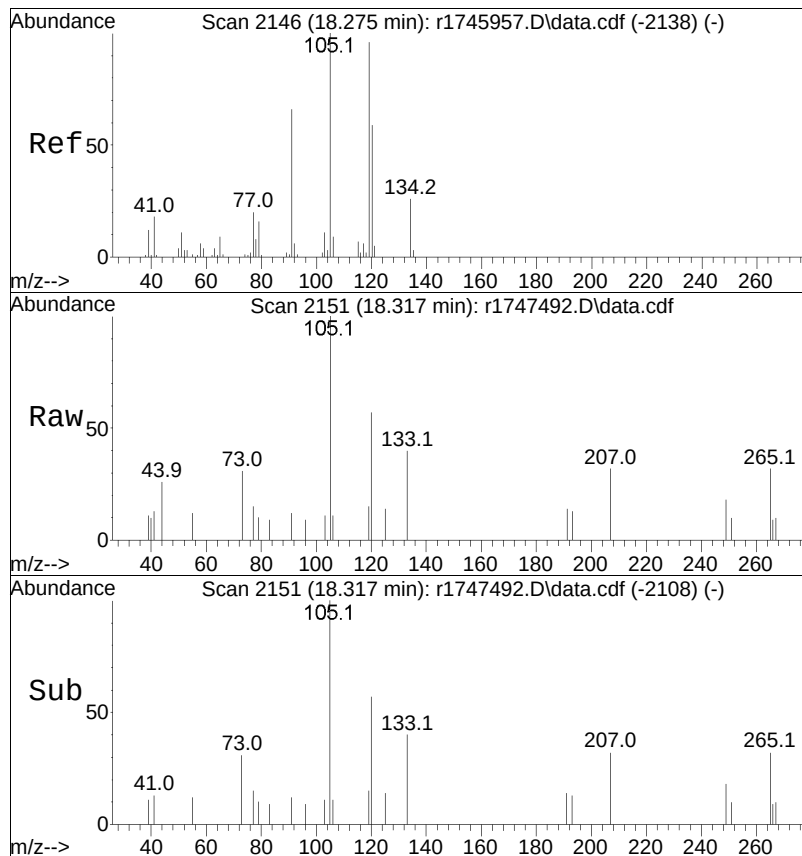




#87
 o-xylene
 Concen: 0.04 ppbV
 RT: 16.825 min Scan# 1974
 Delta R.T. 0.050 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

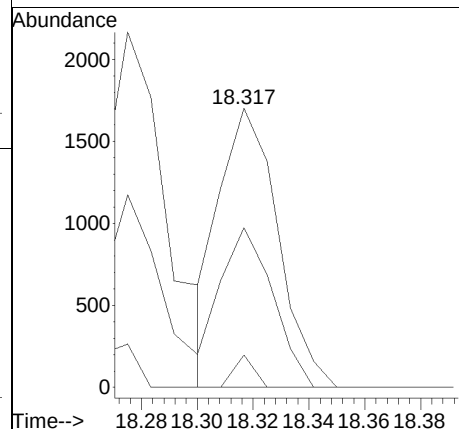
Tgt Ion	Ratio	Lower	Upper
91	100		
106	54.4	43.9	65.9





#99
 1,2,4-trimethylbenzene
 Concen: 0.04 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747492.D
 Acq: 6 Mar 2025 11:26 PM

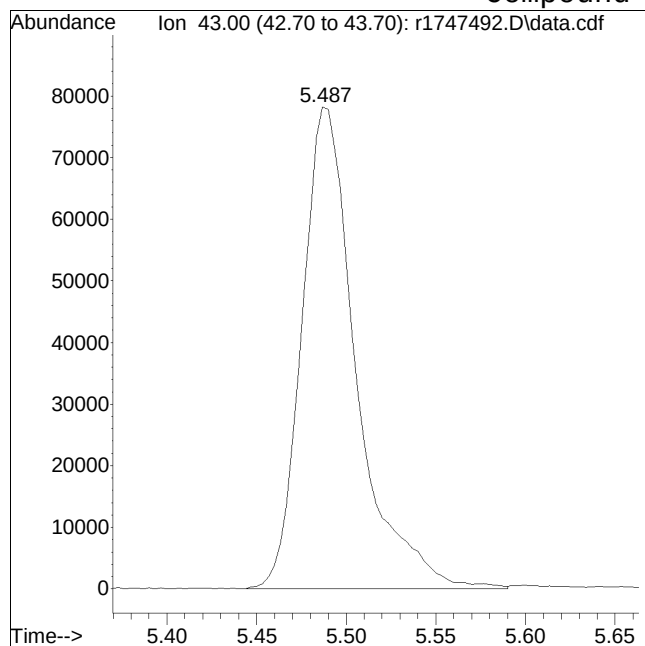
Tgt Ion	Ratio	Lower	Upper
105	100		
120	57.3	47.1	70.7
91	11.6	53.0	79.4#



Manual Integration Report

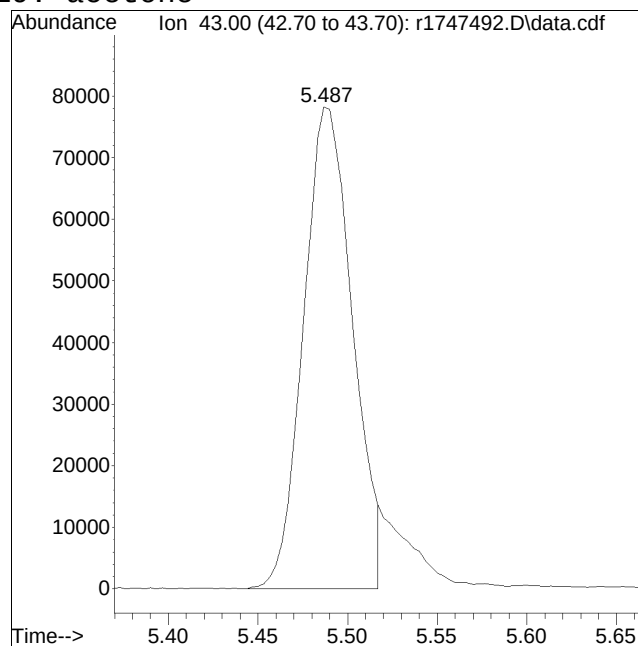
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747492.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 11:26 PM Instrument :
Sample : L2509499-05,3,250,250 Quant Date : 3/7/2025 7:43 am

Compound #19: acetone



Original Peak Response = 165535

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



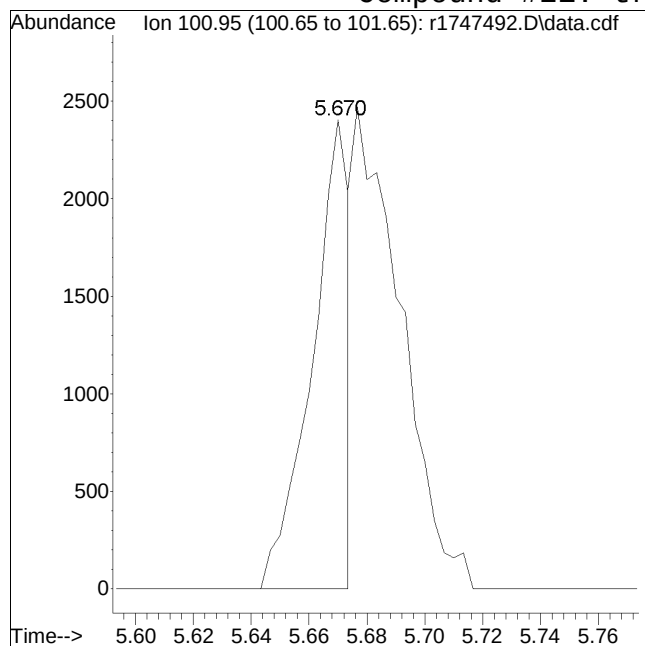
Manual Peak Response = 148887 M6

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

Manual Integration Report

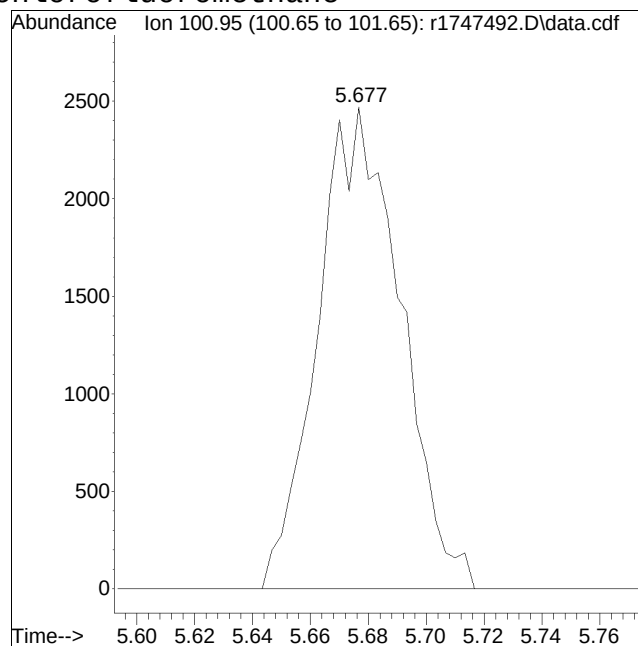
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747492.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 11:26 PM Instrument :
Sample : L2509499-05,3,250,250 Quant Date : 3/7/2025 7:43 am

Compound #21: trichlorofluoromethane



Original Peak Response = 2125

M4 = Poor automated baseline construction.

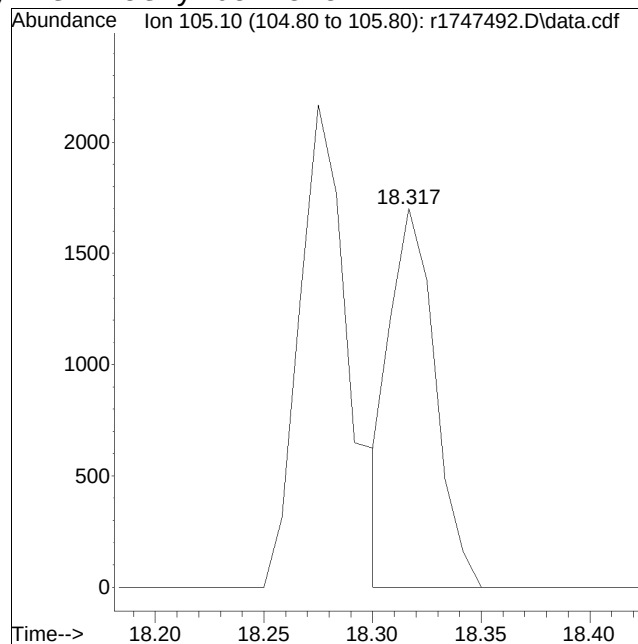
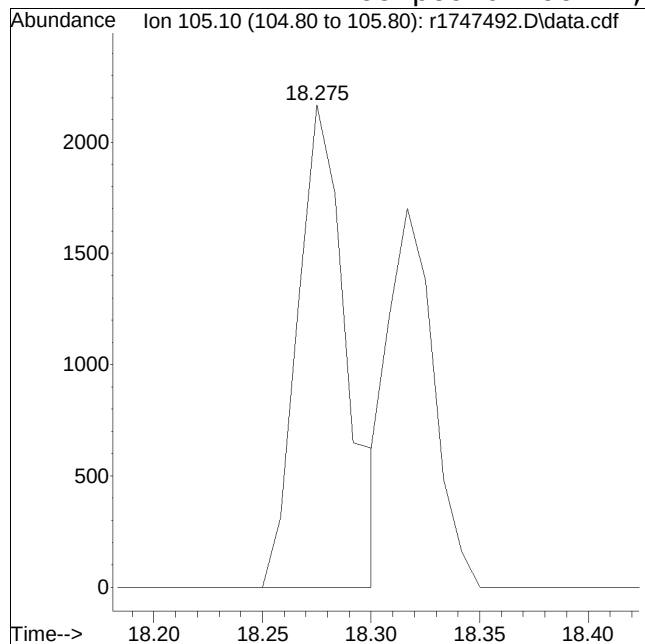


Manual Peak Response = 4904 M4

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747492.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 11:26 PM Instrument :
Sample : L2509499-05,3,250,250 Quant Date : 3/7/2025 7:43 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 3407

Manual Peak Response = 2470 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\Airlab17\2025\03\0306T\
 Data File : r1747493.D
 Acq On : 7 Mar 2025 12:04 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-07,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:43:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.875	49	232191	10.000	ppbV	0.06
Standard Area = 259437			Recovery =	89.50%		
43) 1,4-difluorobenzene	11.083	114	588530	10.000	ppbV	0.05
Standard Area = 706449			Recovery =	83.31%		
67) chlorobenzene-D5	15.833	54	93882	10.000	ppbV	0.04
Standard Area = 106378			Recovery =	88.25%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	18377	0.792	ppbV	99
6) chloromethane	4.060	50	9744	0.776	ppbV	96
7) Freon-114	4.162		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.990	31	1940807	222.188	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.500	43	21565288	1209.457	ppbV #	65
21) trichlorofluoromethane	5.673	101	5087	0.247	ppbV	96
22) isopropyl alcohol	5.757	45	3001391	133.165	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.510	49	2763	0.169	ppbV	89
29) 3-chloropropene	6.540		0	N.D.		
30) carbon disulfide	6.798		0	N.D.		
31) Freon 113	6.804	101	2717	0.113	ppbV	91
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	8.192	43	9824	0.325	ppbV #	94
38) Ethyl Acetate	8.950	61	234189	56.855	ppbV #	1
39) chloroform	9.033	83	5849	0.265	ppbV	95
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	0.000		0	N.D.	d	
44) hexane	0.000		0	N.D.	d	
50) benzene	10.657	78	16370	0.396	ppbV	99
53) cyclohexane	10.977		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747493.D
 Acq On : 7 Mar 2025 12:04 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-07,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:43:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.830		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.923	57	2754	0.045	ppbV #	90
62) heptane	12.243	43	2953	0.103	ppbV	97
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.042	91	55705	1.043	ppbV	98
72) 2-hexanone	14.275		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233		0	N.D.		
83) m+p-xylene	16.392	91	4556	0.084	ppbV	95
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.817	91	2358	0.043	ppbV	97
96) 4-ethyl toluene	17.867		0	N.D.		
97) 1,3,5-trimethylbenzene	17.975		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317	105	2692M6	0.044	ppbV	
101) Benzyl Chloride	18.317		0	N.D.		
102) 1,3-dichlorobenzene	18.508		0	N.D.		
103) 1,4-dichlorobenzene	18.508		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.392		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747493.D

Acq On : 7 Mar 2025 12:04 AM

Operator : AIRLAB17:TPH

Sample : L2509499-07,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

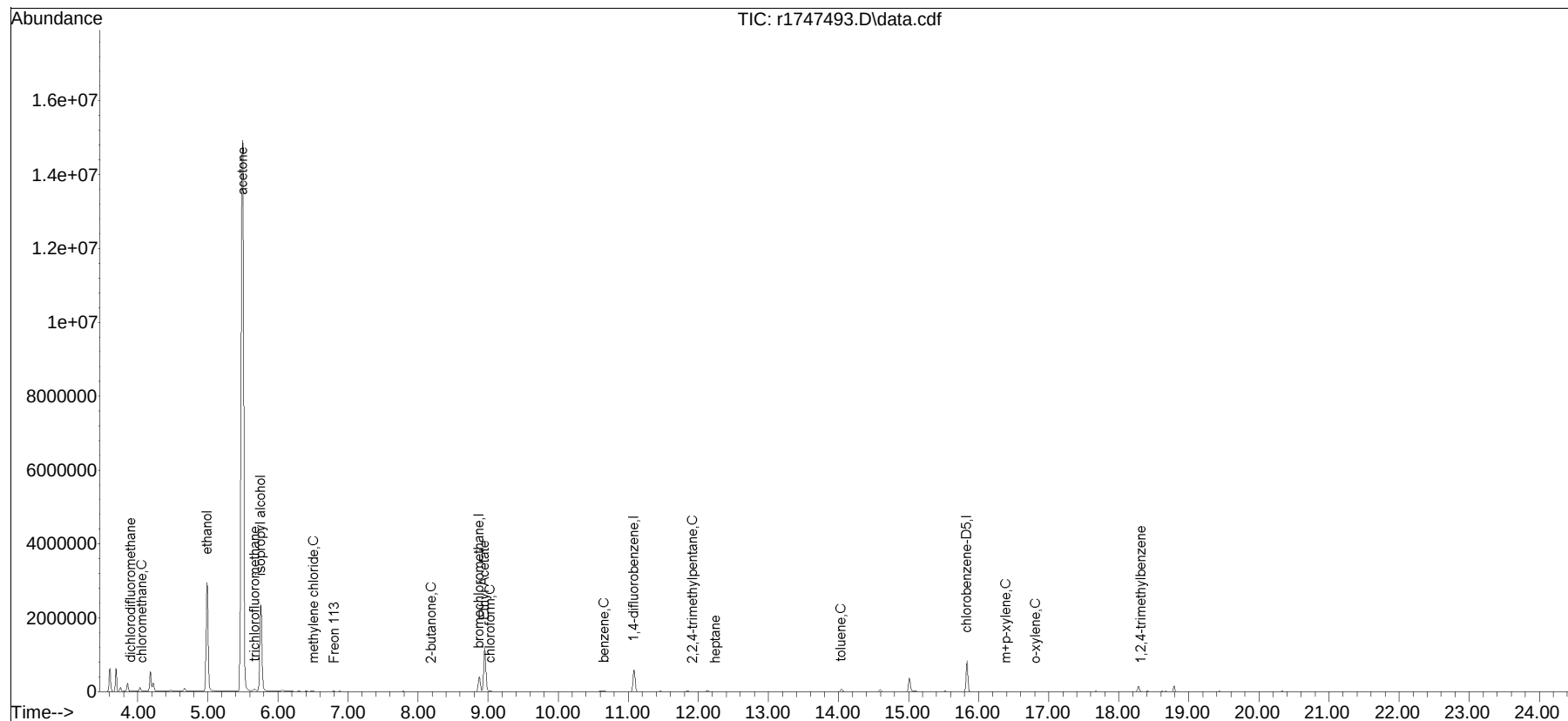
Quant Time: Mar 07 07:43:52 2025

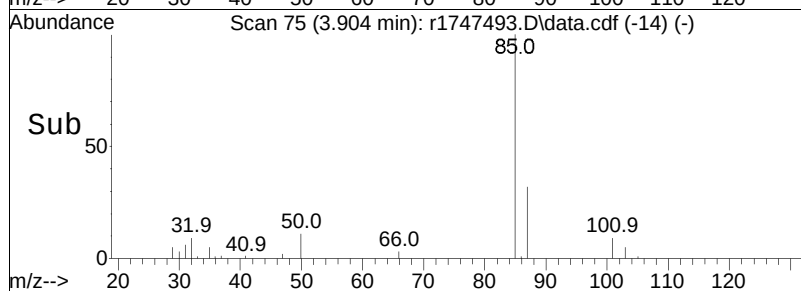
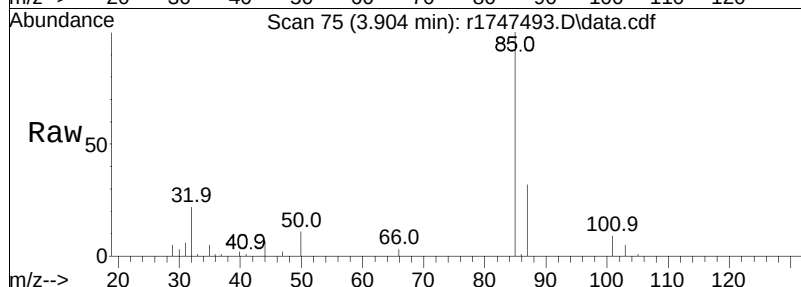
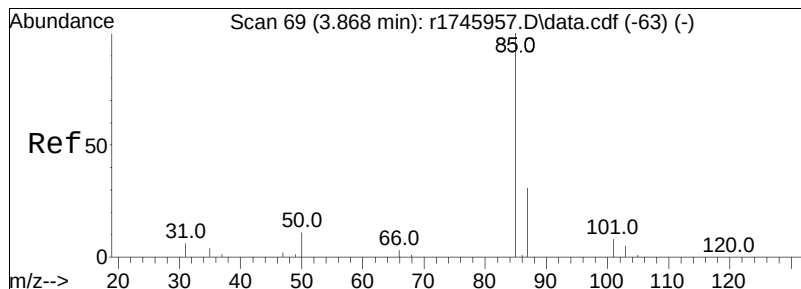
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

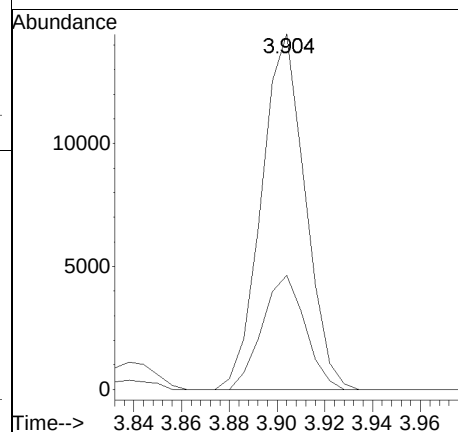
Response via : Initial Calibration

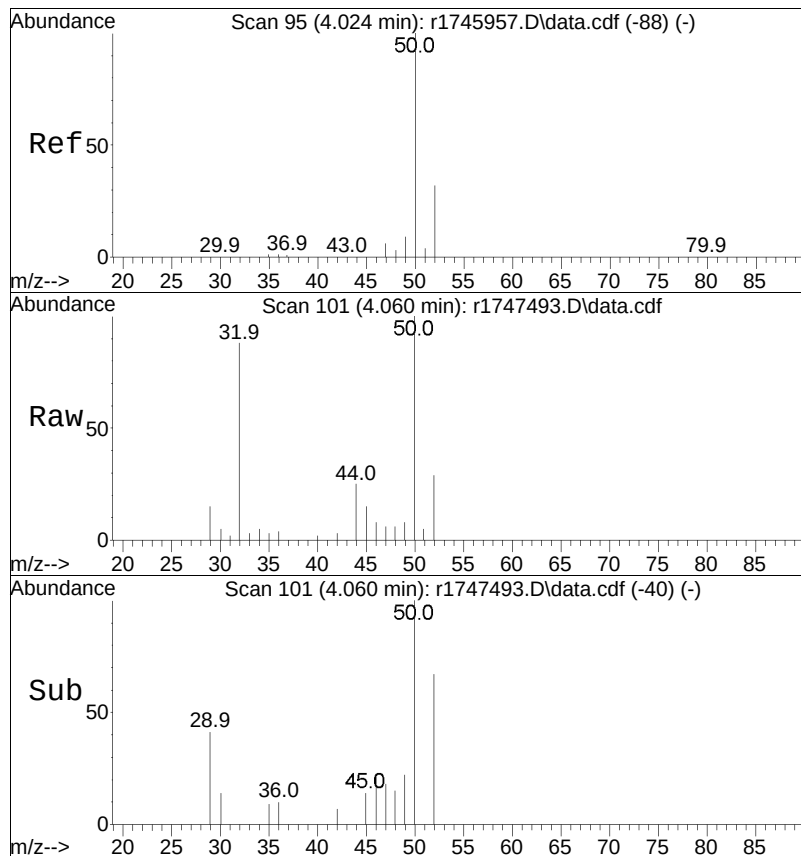




#5
dichlorodifluoromethane
Concen: 0.79 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

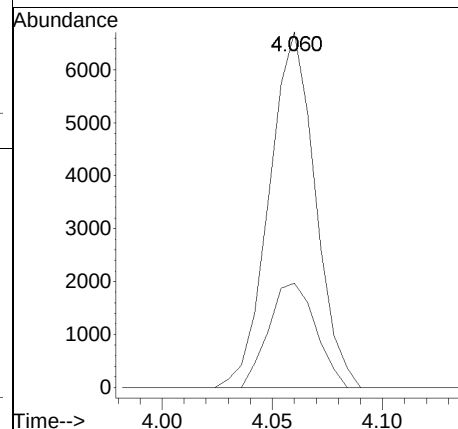
Tgt Ion: 85 Resp: 18377
Ion Ratio Lower Upper
85 100
87 32.1 25.2 37.8

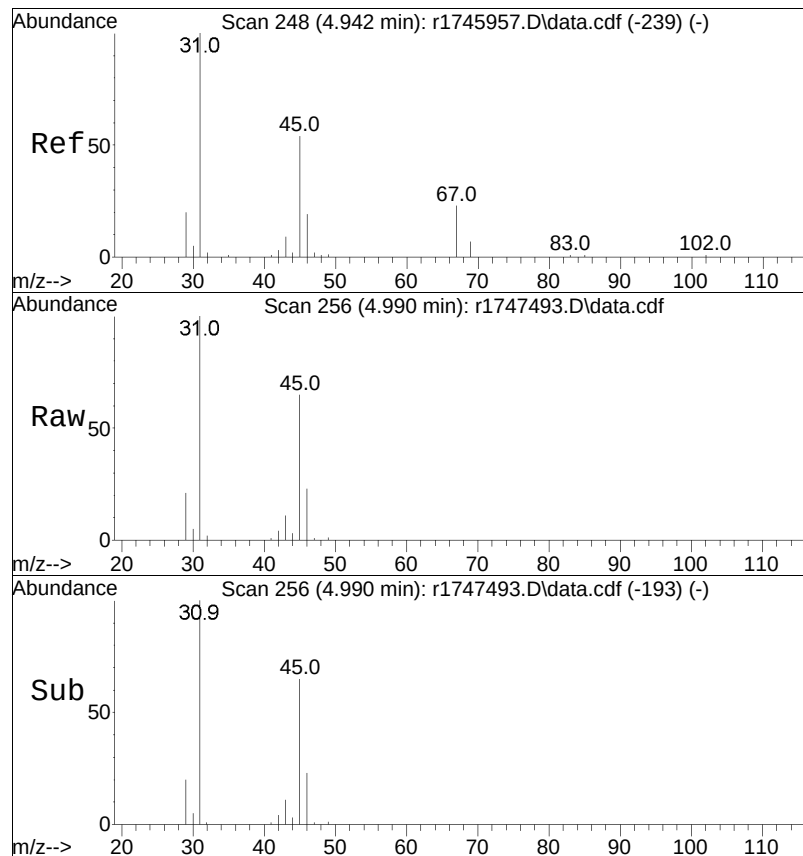




#6
 chloromethane
 Concen: 0.78 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

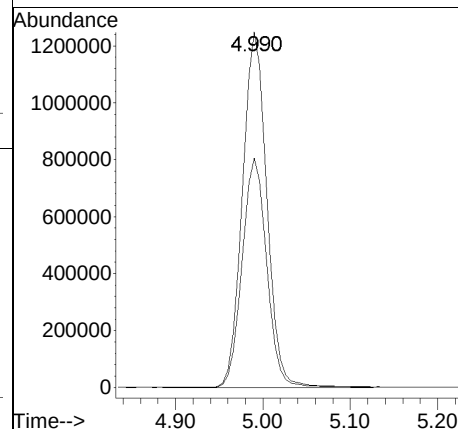
Tgt	Ion	Resp	Lower	Upper
50	100	9744		
52	29.3	25.4	38.2	

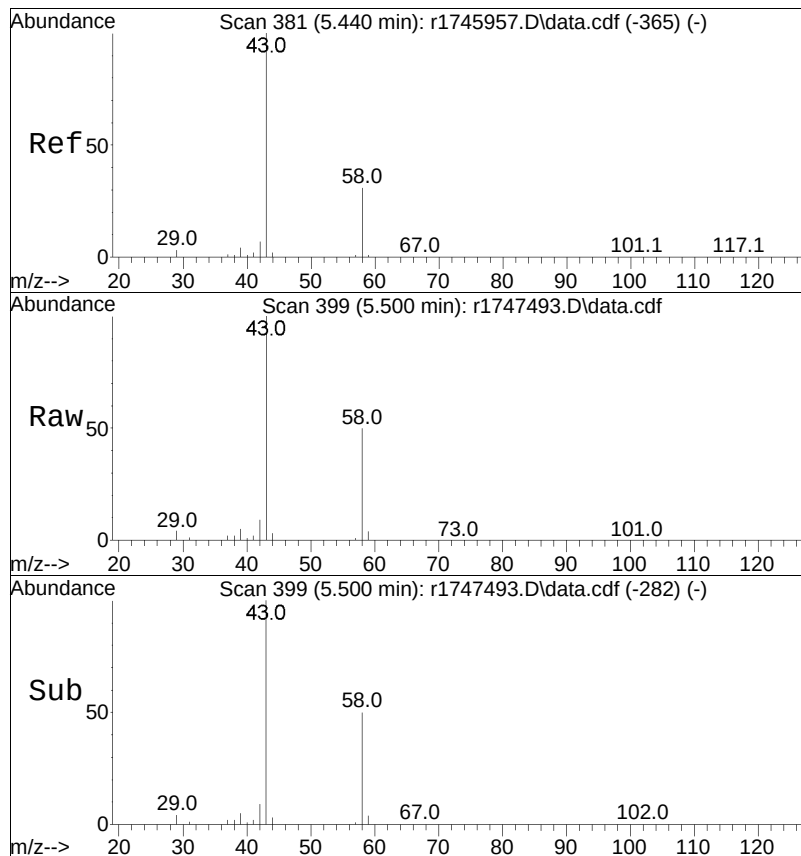




#15
 ethanol
 Concen: 222.19 ppbV
 RT: 4.990 min Scan# 256
 Delta R.T. 0.048 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

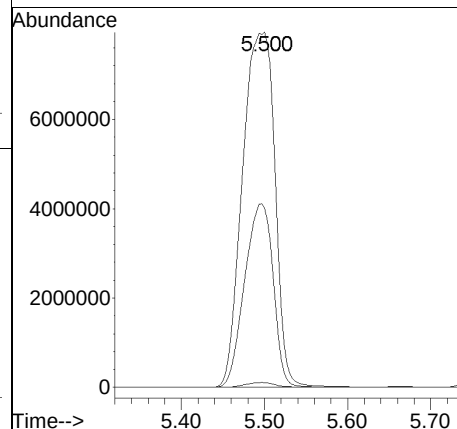
Tgt Ion	Ratio	Lower	Upper
31	100		
45	64.5	43.0	64.6

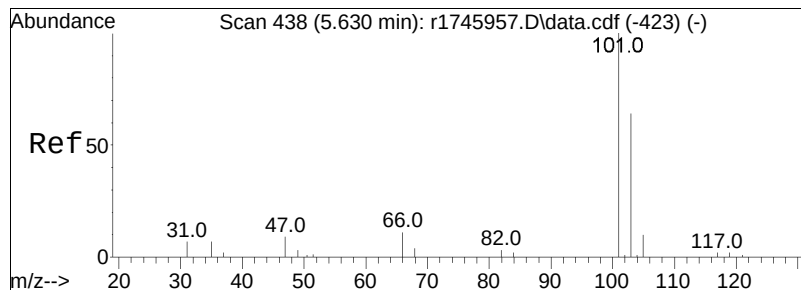




#19
 acetone
 Concen: 1209.46 ppbV
 RT: 5.500 min Scan# 399
 Delta R.T. 0.060 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

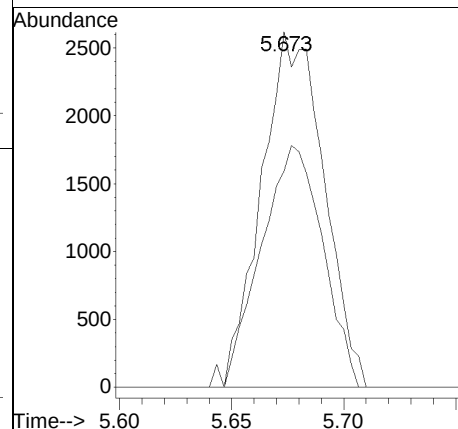
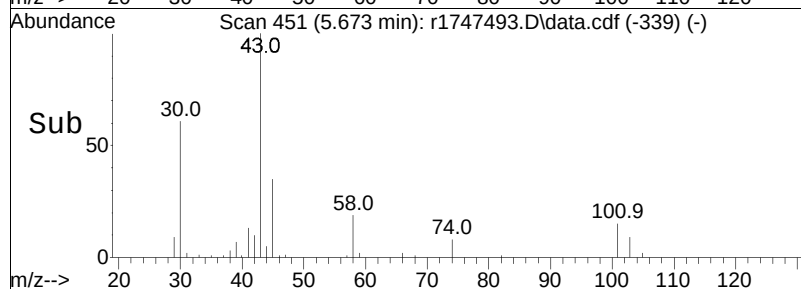
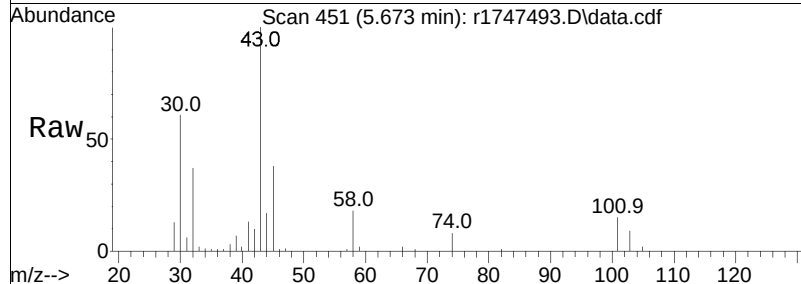
Tgt Ion:	43	Resp:	21565288
Ion Ratio	Lower	Upper	
43	100		
58	50.4	24.7	37.1#
57	1.4	0.6	0.8#

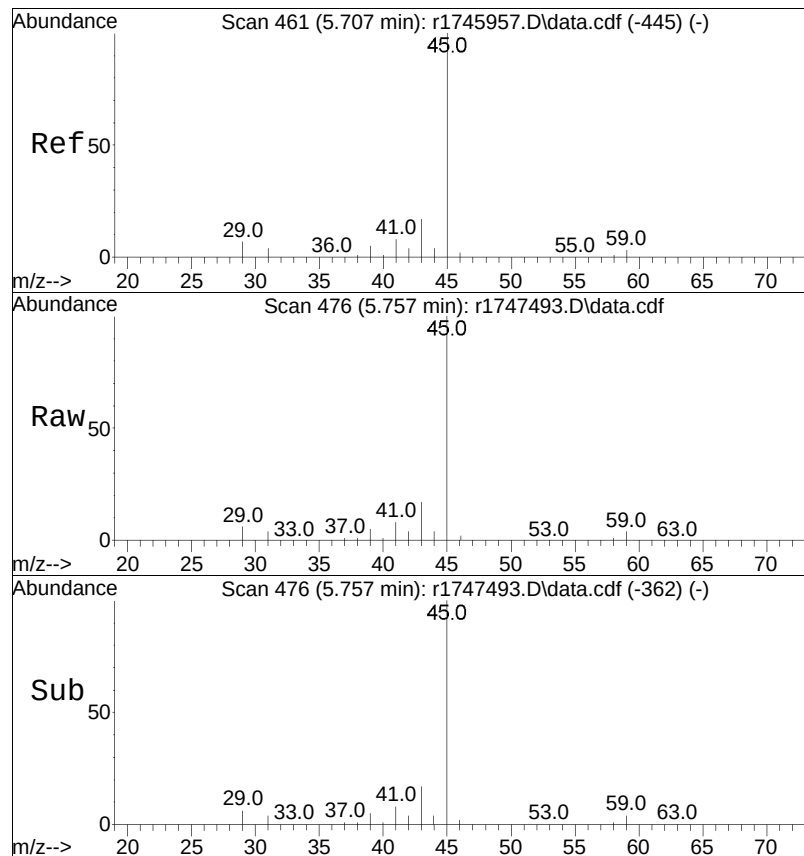




#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.673 min Scan# 451
Delta R.T. 0.043 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

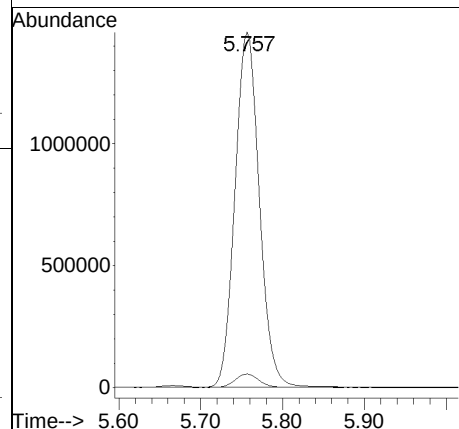
Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.8	50.9	76.3

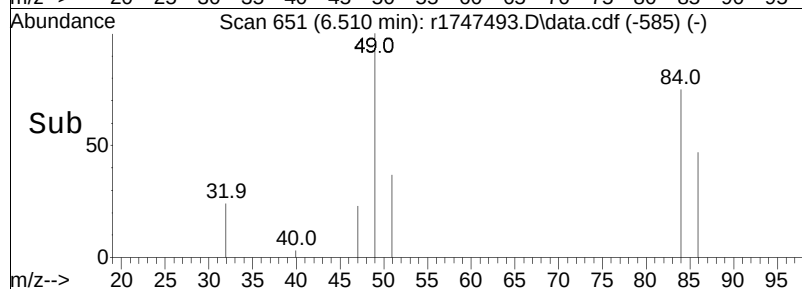
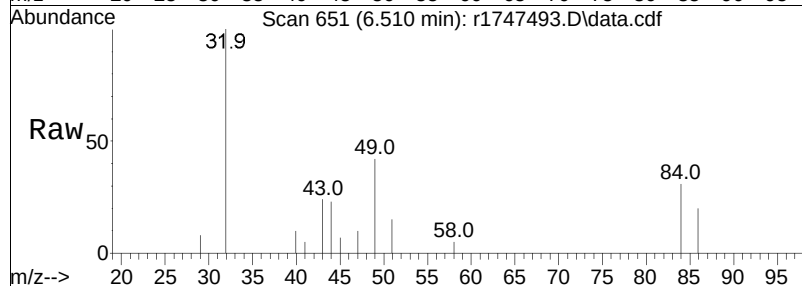
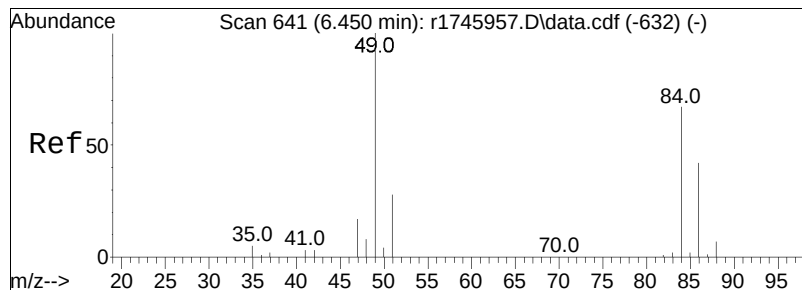




#22
 isopropyl alcohol
 Concen: 133.16 ppbV
 RT: 5.757 min Scan# 476
 Delta R.T. 0.050 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

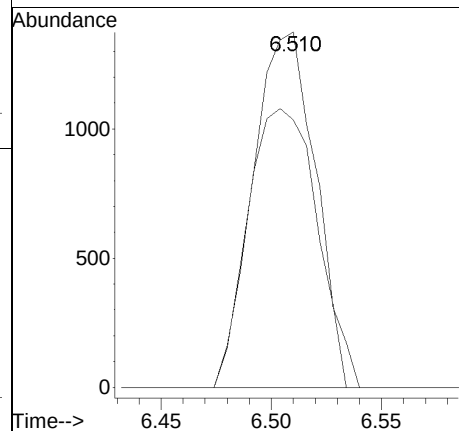
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.8	2.6	4.0

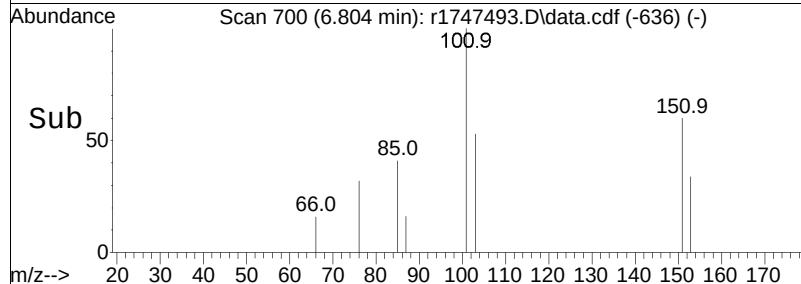
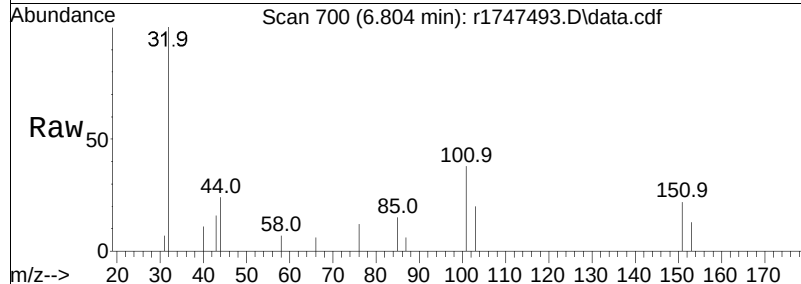
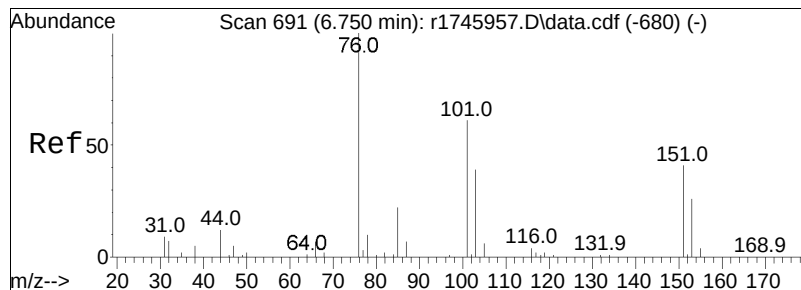




#28
 methylene chloride
 Concen: 0.17 ppbV
 RT: 6.510 min Scan# 651
 Delta R.T. 0.060 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

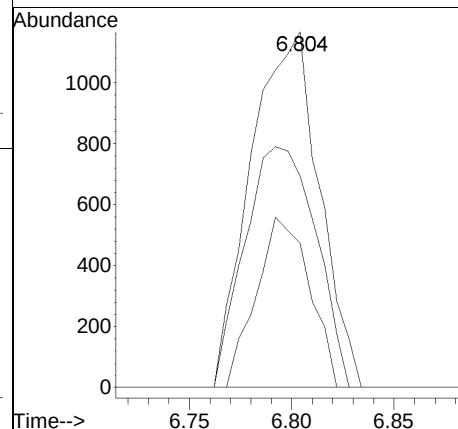
Tgt	Ion	Resp	Lower	Upper
49	100	2763		
84	75.3	53.4	80.0	

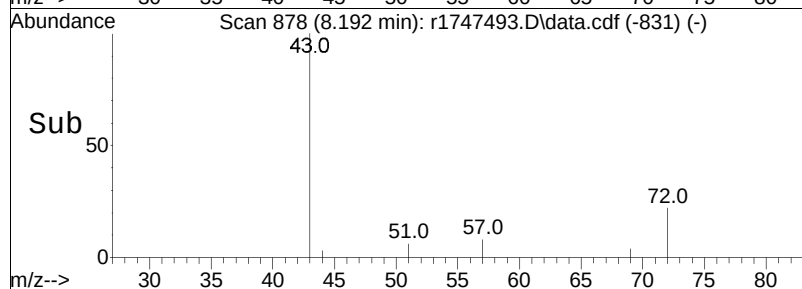
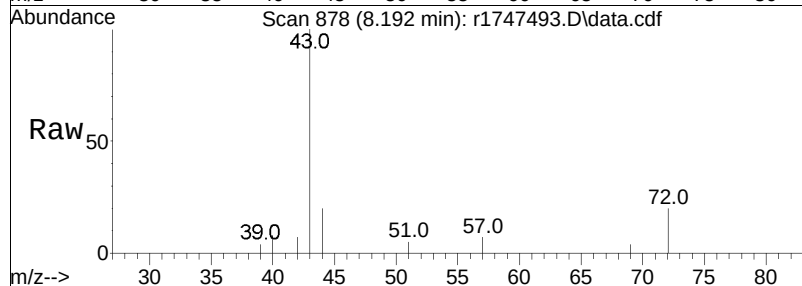
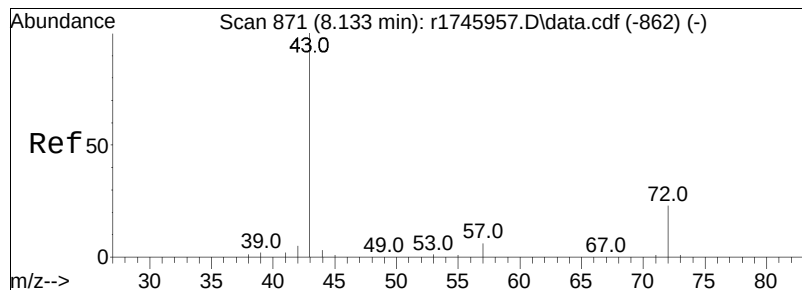




#31
 Freon 113
 Concen: 0.11 ppbV
 RT: 6.804 min Scan# 700
 Delta R.T. 0.054 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	2717		
85	40.7		29.0	43.4
151	59.6		53.6	80.4





#36

2-butanone

Concen: 0.33 ppbV

RT: 8.192 min Scan# 878

Delta R.T. 0.058 min

Lab File: r1747493.D

Acq: 7 Mar 2025 12:04 AM

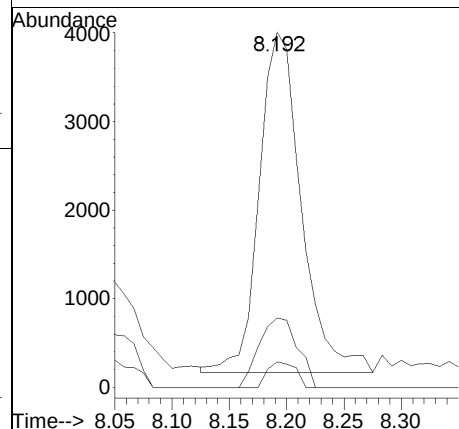
Tgt Ion: 43 Resp: 9824

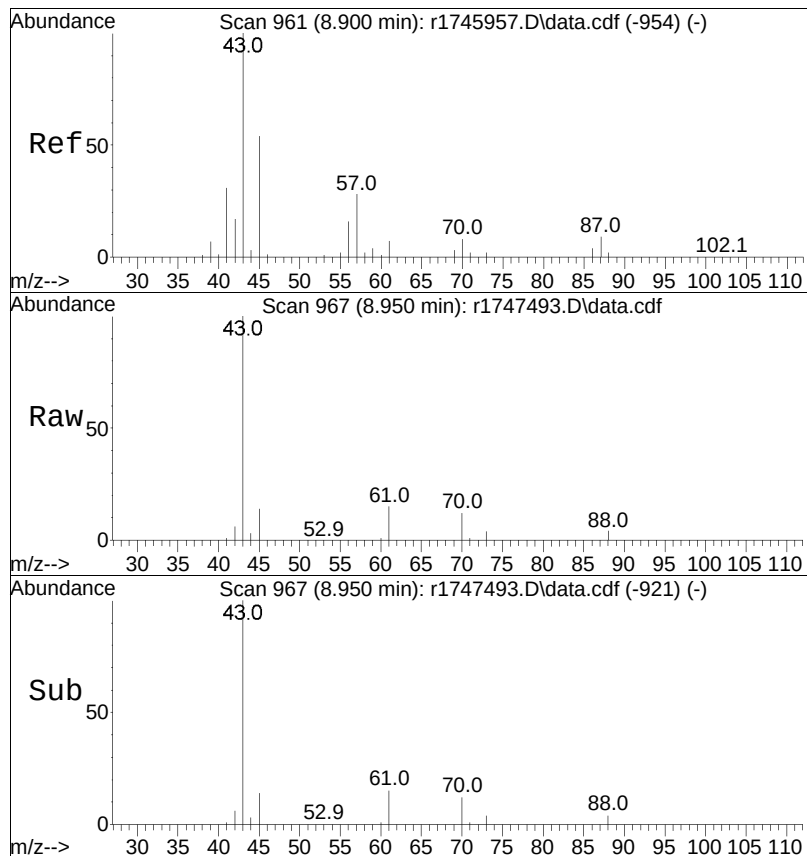
Ion Ratio Lower Upper

43 100

72 19.6 18.1 27.1

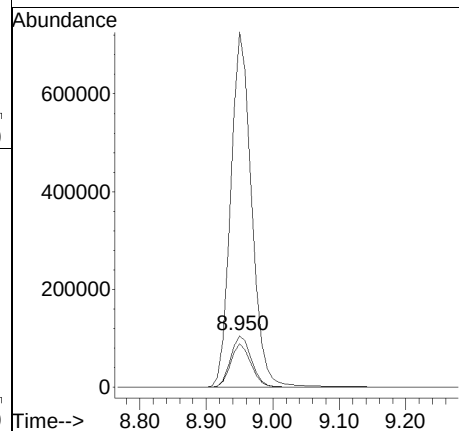
57 7.2 4.6 6.8#

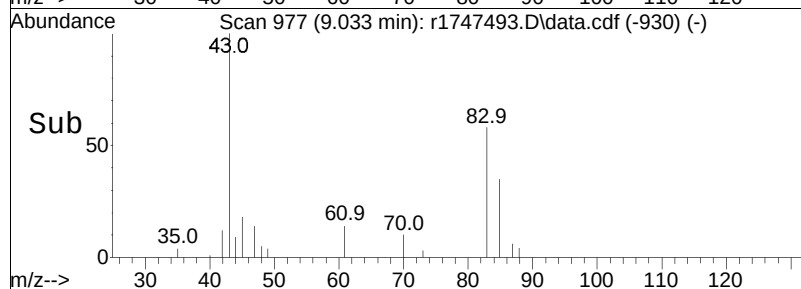
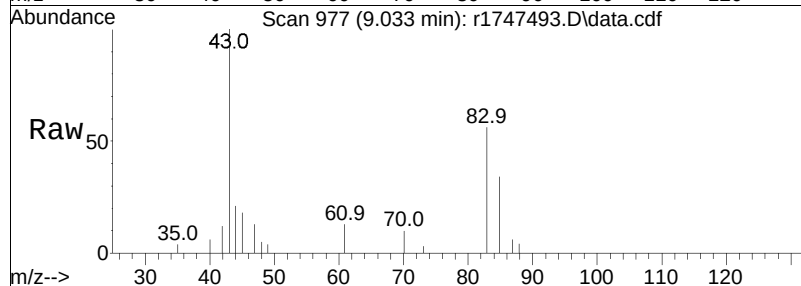
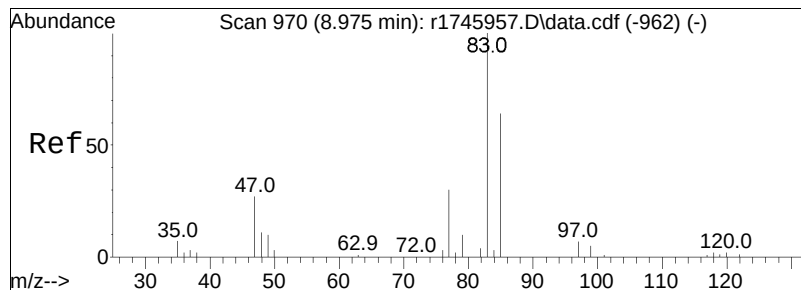




#38
Ethyl Acetate
Concen: 56.86 ppbV
RT: 8.950 min Scan# 967
Delta R.T. 0.050 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

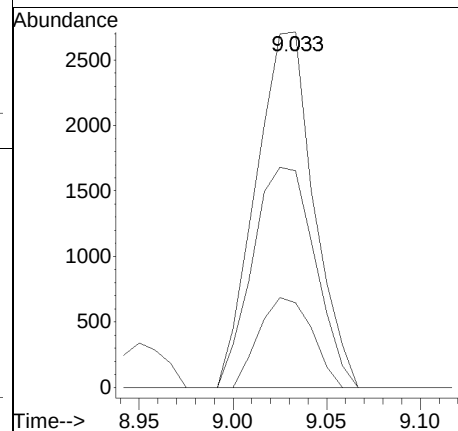
Tgt	Ion	Resp	Lower	Upper
61	100	234189		
70	84.9	85.8	128.8#	
43	689.0	1077.6	1616.4#	

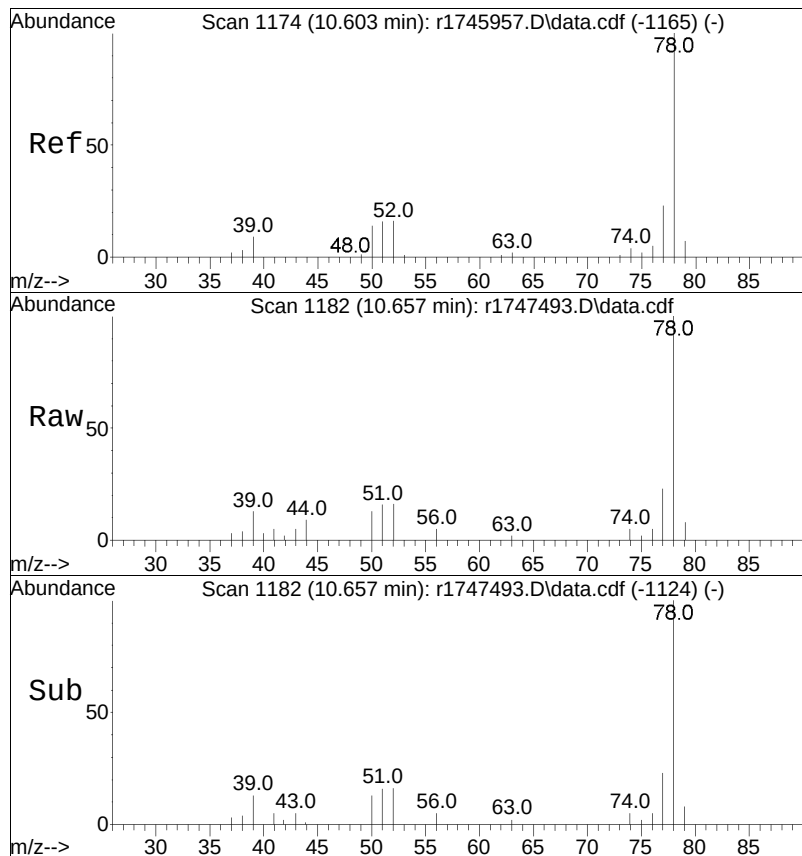




#39
chloroform
Concen: 0.26 ppbV
RT: 9.033 min Scan# 977
Delta R.T. 0.058 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

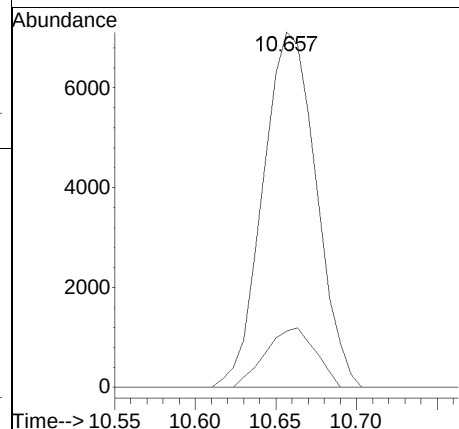
Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.6	77.4
47	23.8	21.4	32.2

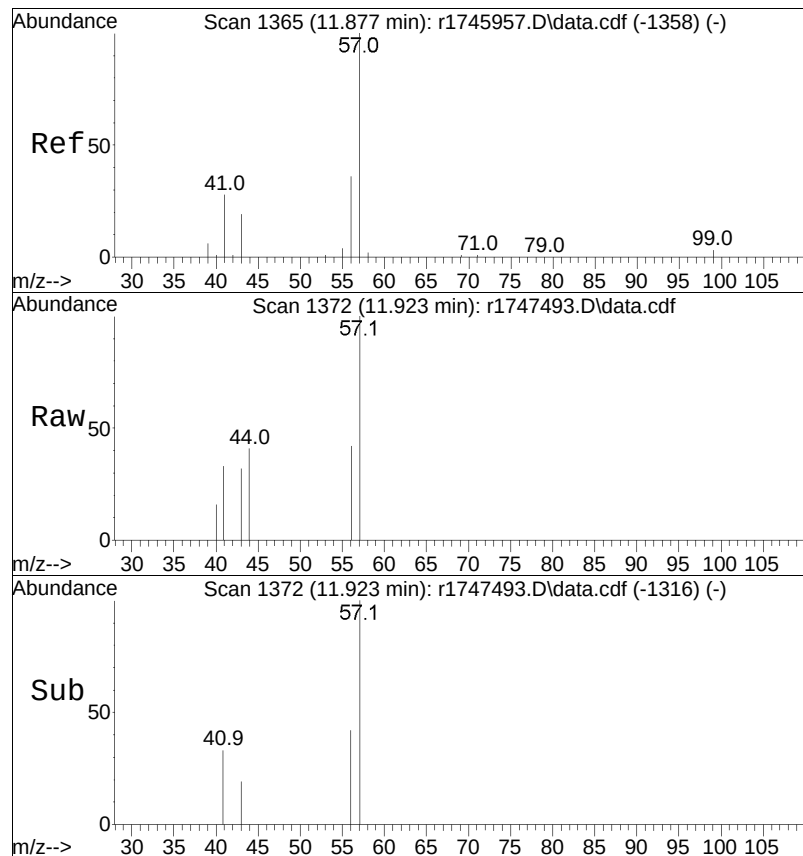




#50
benzene
Concen: 0.40 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

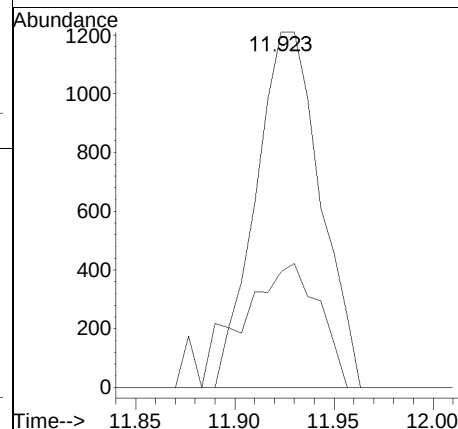
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.9	12.5	18.7

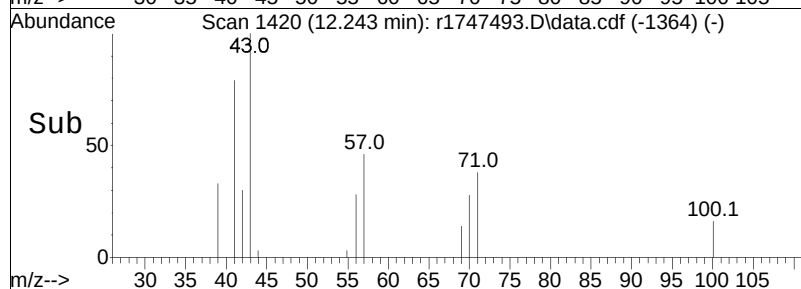
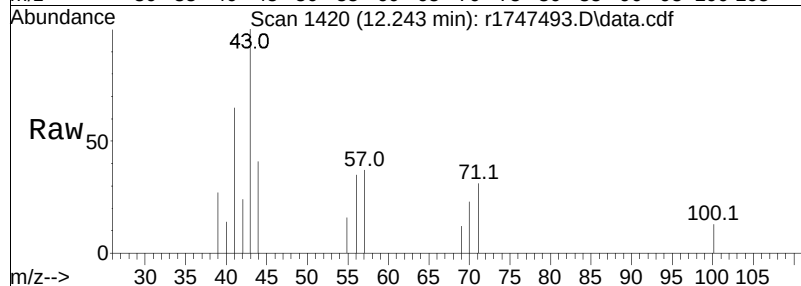
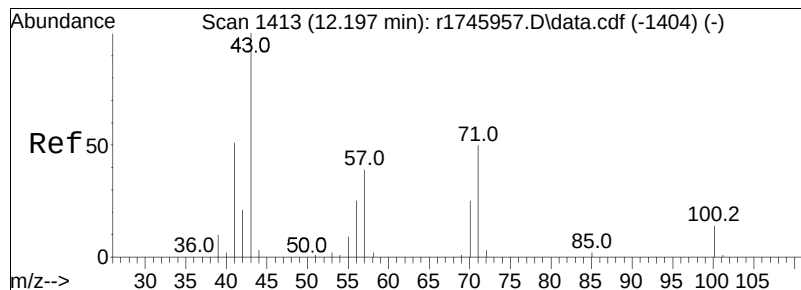




#60
 2,2,4-trimethylpentane
 Concen: 0.05 ppbV
 RT: 11.923 min Scan# 1372
 Delta R.T. 0.047 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

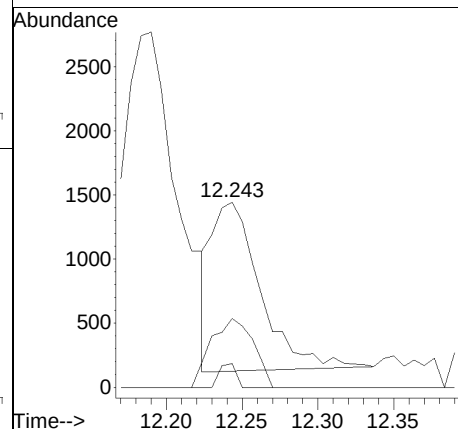
Tgt Ion:	57	Resp:	2754
Ion Ratio	Lower	Upper	
57	100		
99	0.0	4.6	6.8#
41	32.6	22.3	33.5

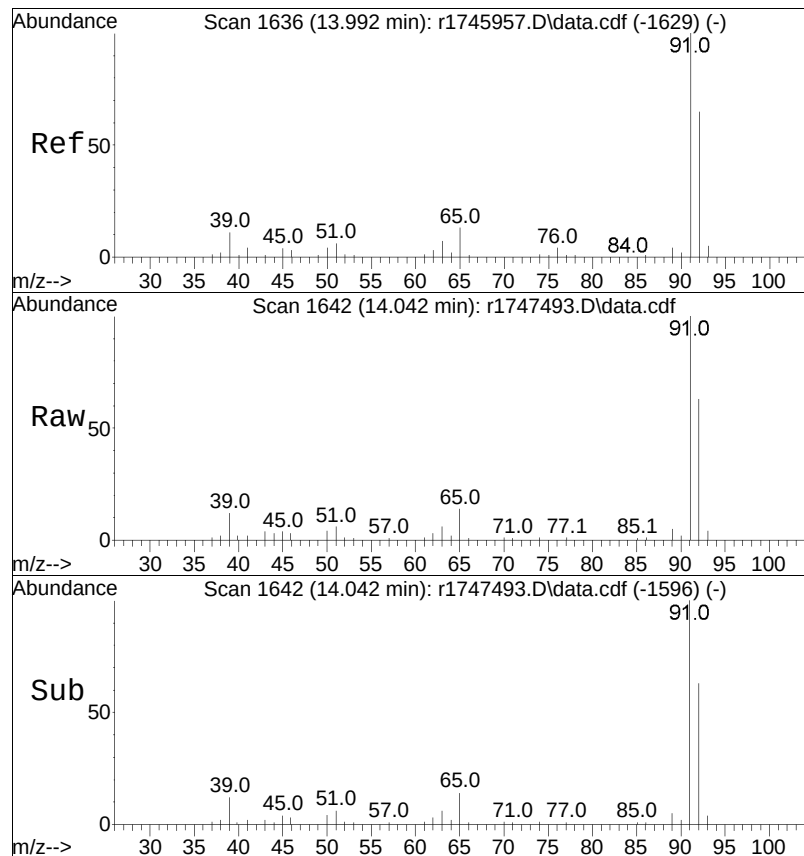




#62
 heptane
 Concen: 0.10 ppbV
 RT: 12.243 min Scan# 1420
 Delta R.T. 0.047 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

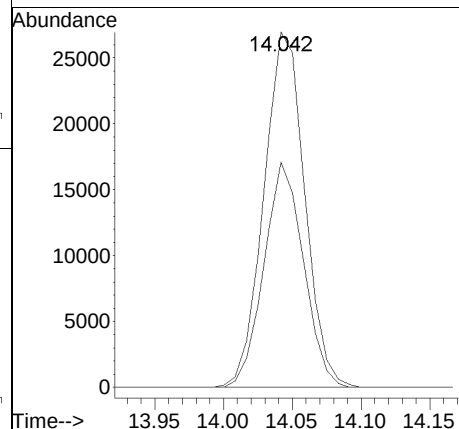
Tgt Ion	Ratio	Lower	Upper
43	100		
57	37.2	31.1	46.7
100	12.9	11.4	17.2

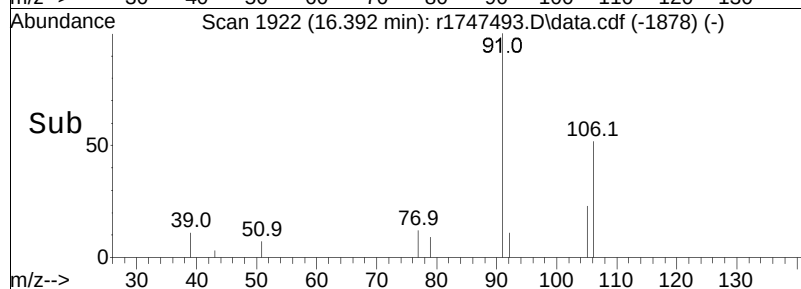
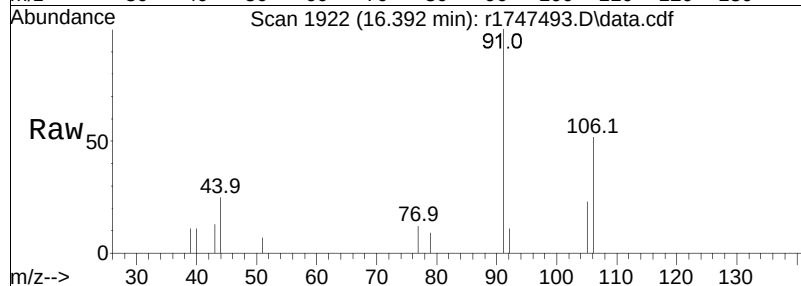
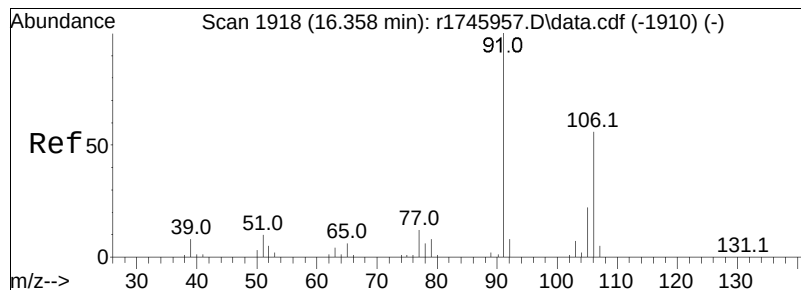




#68
toluene
Concen: 1.04 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

Tgt Ion:	91	Resp:	55705
Ion Ratio	Lower	Upper	
91	100		
92	63.4	51.7	77.5





#83

m+p-xylene

Concen: 0.08 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747493.D

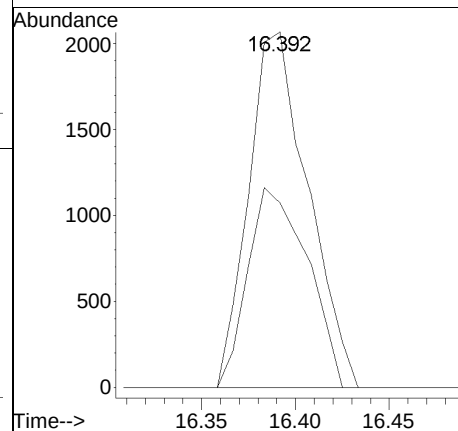
Acq: 7 Mar 2025 12:04 AM

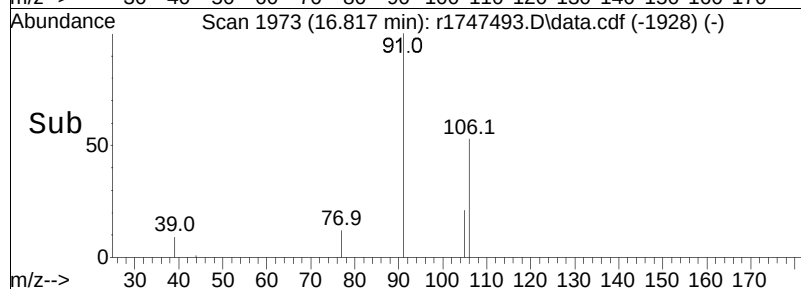
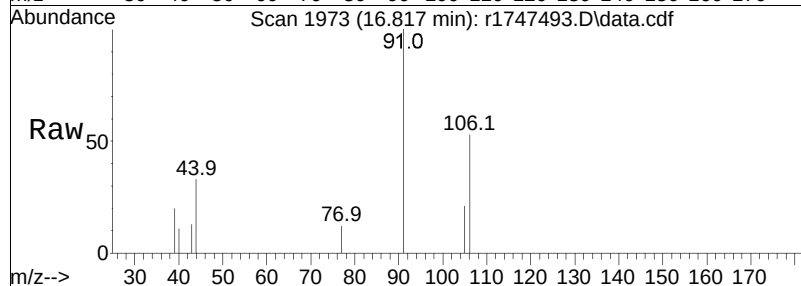
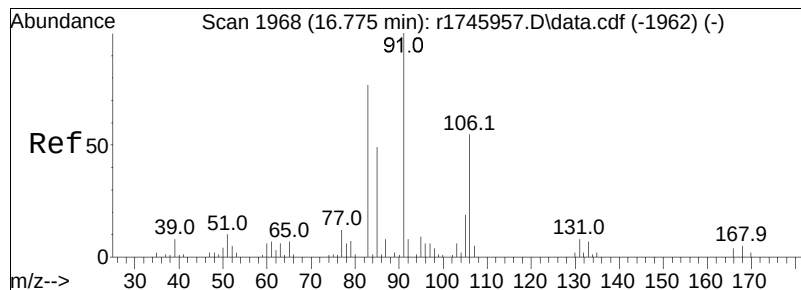
Tgt Ion: 91 Resp: 4556

Ion Ratio Lower Upper

91 100

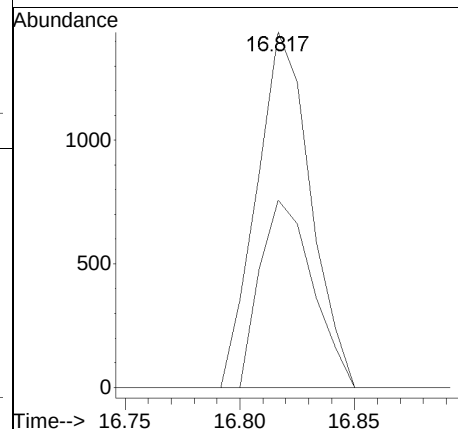
106 51.9 44.7 67.1

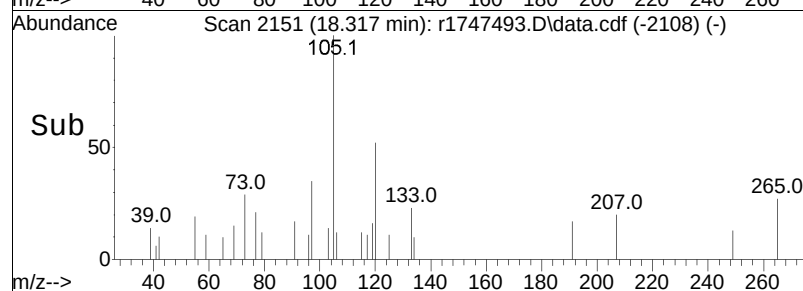
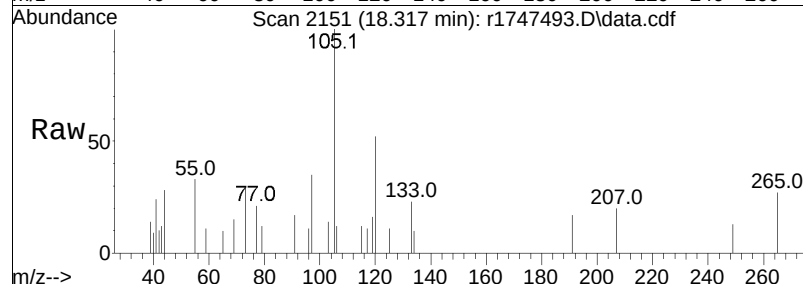
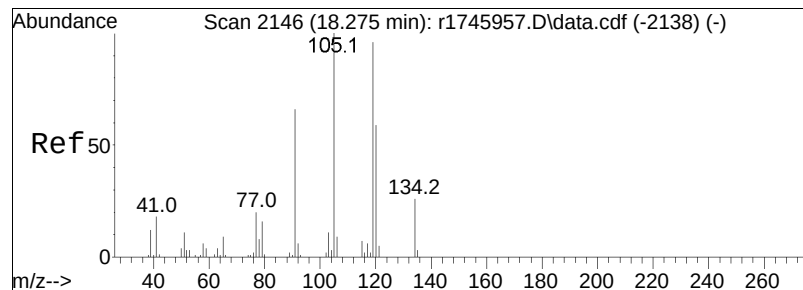




#87
o-xylene
Concen: 0.04 ppbV
RT: 16.817 min Scan# 1973
Delta R.T. 0.042 min
Lab File: r1747493.D
Acq: 7 Mar 2025 12:04 AM

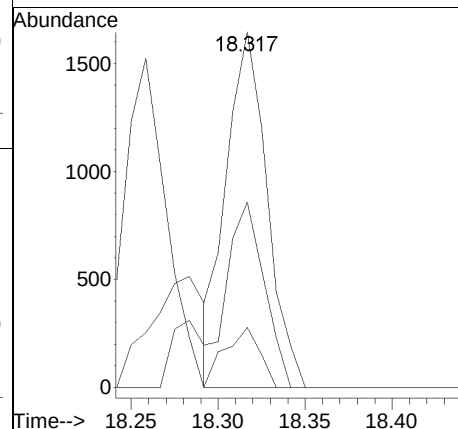
Tgt Ion	Ratio	Lower	Upper
91	100		
106	52.7	43.9	65.9





#99
 1,2,4-trimethylbenzene
 Concen: 0.04 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747493.D
 Acq: 7 Mar 2025 12:04 AM

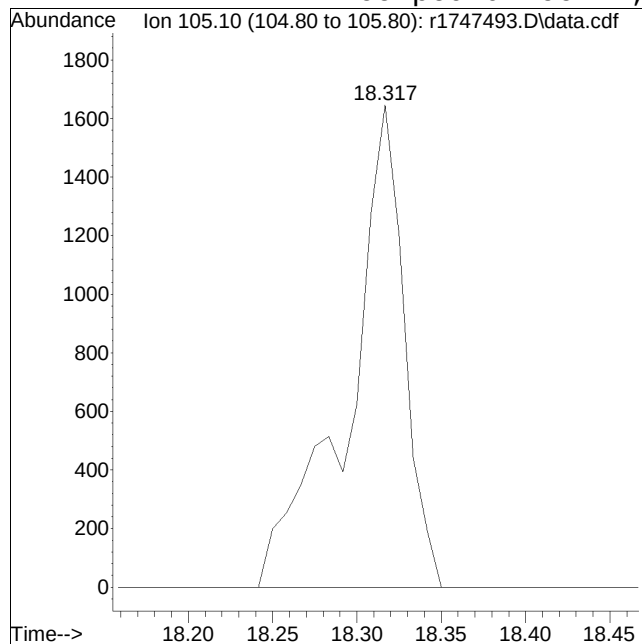
Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.2	47.1	70.7
91	16.9	53.0	79.4#



Manual Integration Report

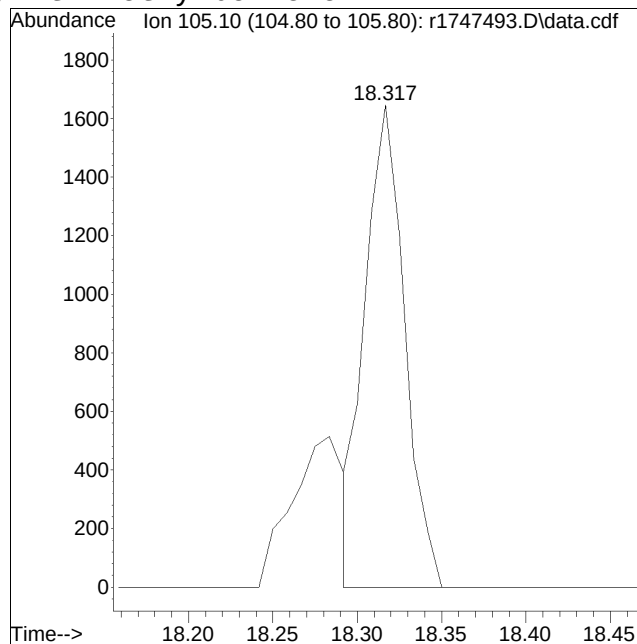
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747493.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 12:04 AM Instrument :
Sample : L2509499-07,3,250,250 Quant Date : 3/7/2025 7:43 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 3786

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



Manual Peak Response = 2692 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747494.D
 Acq On : 7 Mar 2025 12:42 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-08,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:44:25 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.867	49	237746	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		91.64%	
43) 1,4-difluorobenzene	11.083	114	616195	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		87.22%	
67) chlorobenzene-D5	15.833	54	96229	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		90.46%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	15639	0.658	ppbV	97
6) chloromethane	4.060	50	9151	0.712	ppbV	96
7) Freon-114	4.162		0	N.D.		
10) 1,3-butadiene	4.408		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.984	31	918816	102.730	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.487	43	448724	24.578	ppbV #	96
21) trichlorofluoromethane	5.673	101	4967	0.236	ppbV	93
22) isopropyl alcohol	5.757	45	103881	4.501	ppbV	99
27) tertiary butyl alcohol	6.420		0	N.D.		
28) methylene chloride	6.498	49	3081	0.184	ppbV #	82
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.786		0	N.D.		
31) Freon 113	6.804	101	2502	0.102	ppbV #	88
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	8.200	43	4958	0.160	ppbV #	96
38) Ethyl Acetate	8.967	61	3117	0.739	ppbV #	1
39) chloroform	9.017		0	N.D.		
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.858		0	N.D.		
44) hexane	8.942	57	4053	0.203	ppbV #	35
50) benzene	10.657	78	8411	0.194	ppbV	98
53) cyclohexane	10.970		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747494.D
 Acq On : 7 Mar 2025 12:42 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-08,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:44:25 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.937	57	2469	0.039	ppbV #	86
62) heptane	12.250		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.975		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	14.042	91	8698	0.159	ppbV	100
72) 2-hexanone	14.275		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233		0	N.D.		
83) m+p-xylene	16.392	91	3317	0.060	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.817		0	N.D.		
96) 4-ethyl toluene	17.875		0	N.D.		
97) 1,3,5-trimethylbenzene	17.967		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317	105	2153M6	0.034	ppbV	
101) Benzyl Chloride	18.317		0	N.D.		
102) 1,3-dichlorobenzene	18.508		0	N.D.		
103) 1,4-dichlorobenzene	18.508		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	0.000		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747494.D

Acq On : 7 Mar 2025 12:42 AM

Operator : AIRLAB17:TPH

Sample : L2509499-08,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

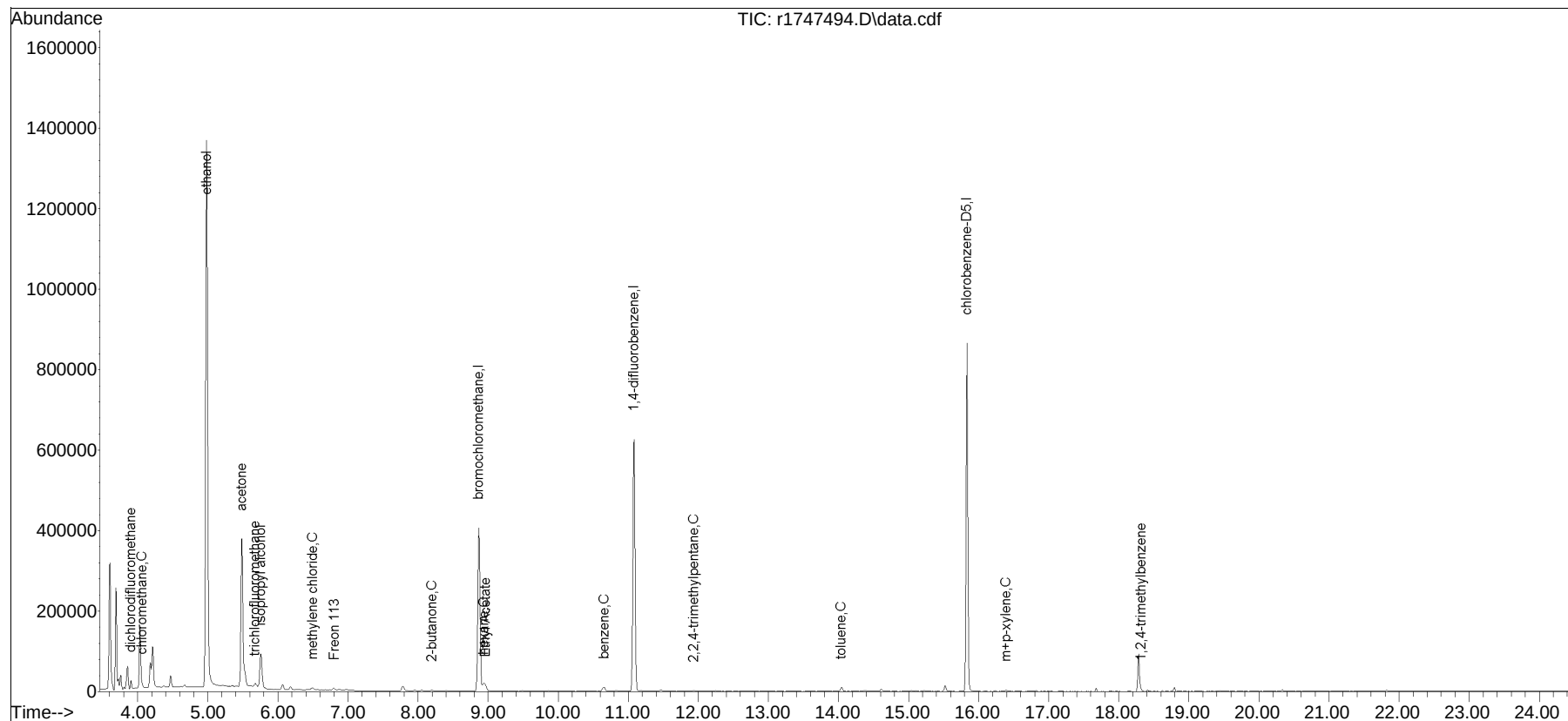
Quant Time: Mar 07 07:44:25 2025

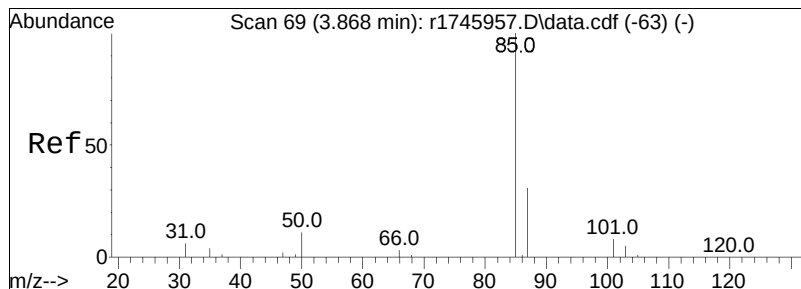
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

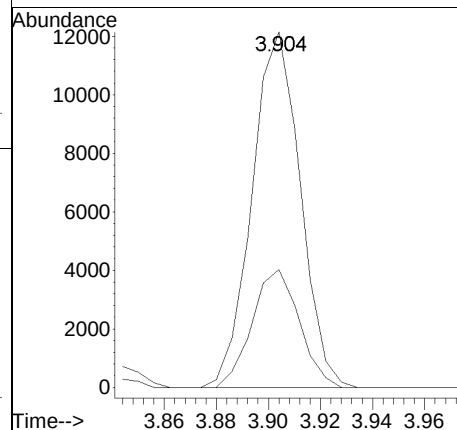
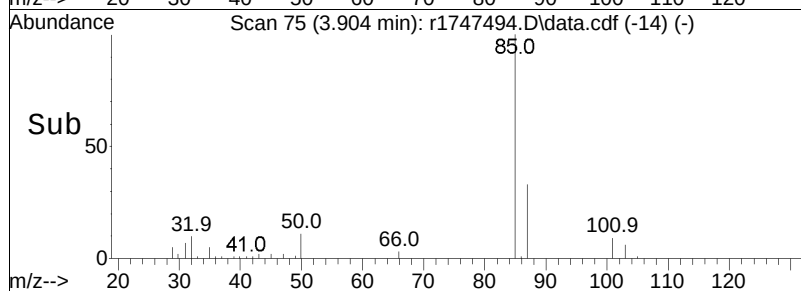
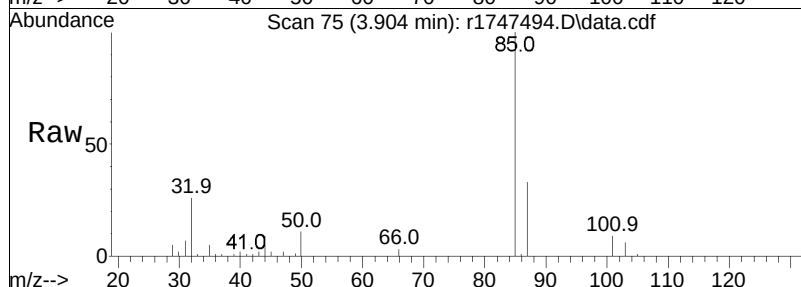
Response via : Initial Calibration

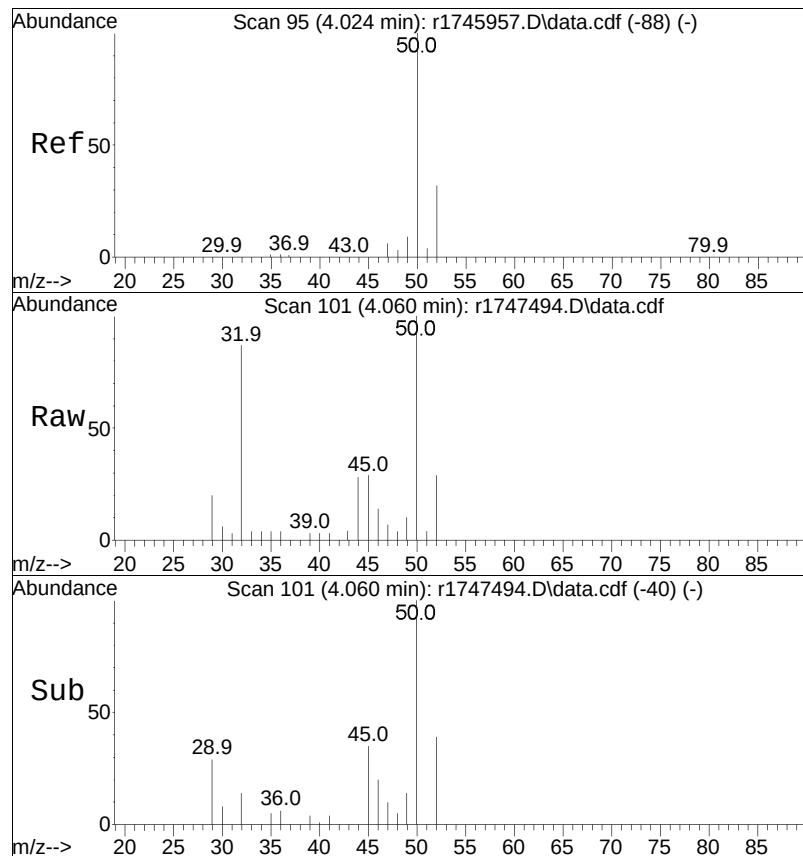




#5
dichlorodifluoromethane
Concen: 0.66 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747494.D
Acq: 7 Mar 2025 12:42 AM

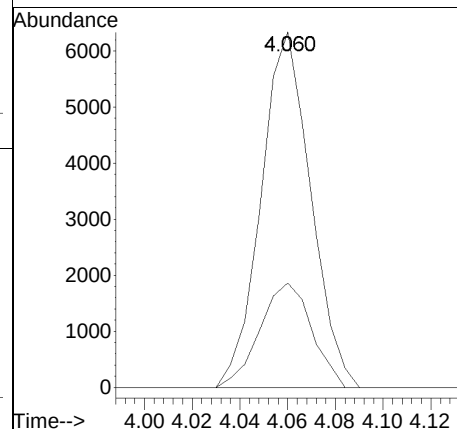
Tgt Ion: 85 Resp: 15639
Ion Ratio Lower Upper
85 100
87 33.2 25.2 37.8

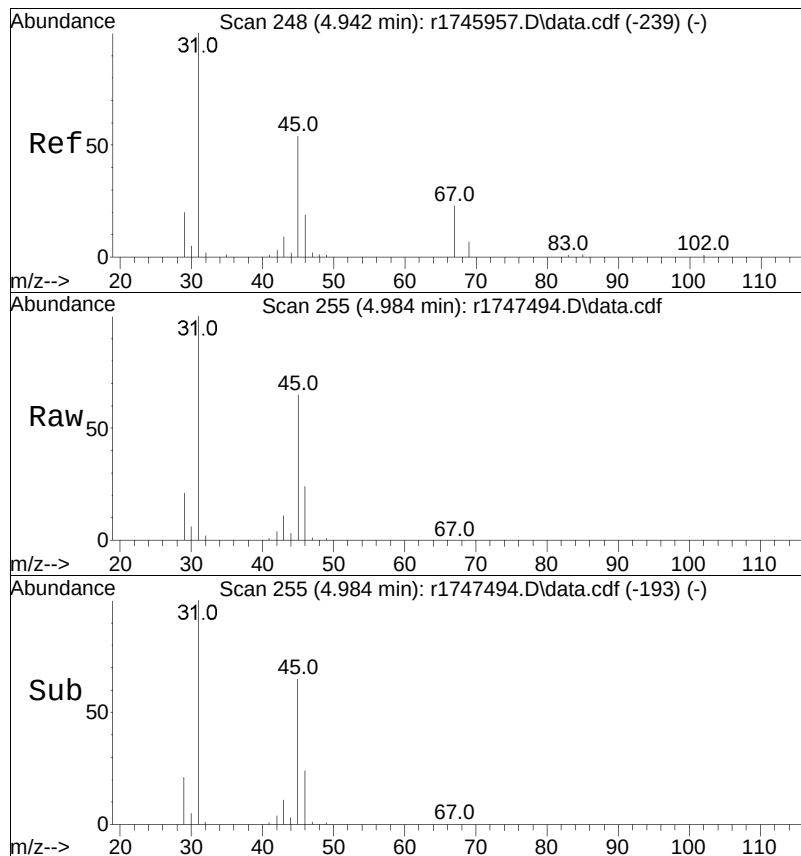




#6
 chloromethane
 Concen: 0.71 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

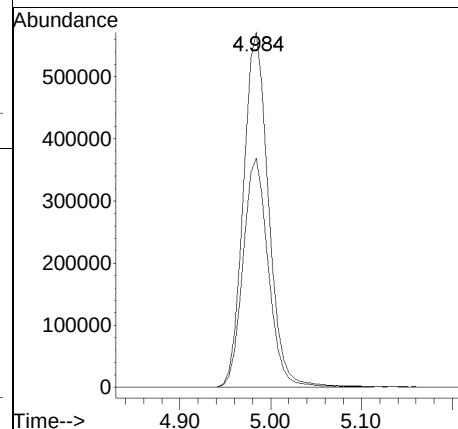
Tgt	Ion	Resp	Lower	Upper
50	100	9151		
52	29.4	25.4	38.2	

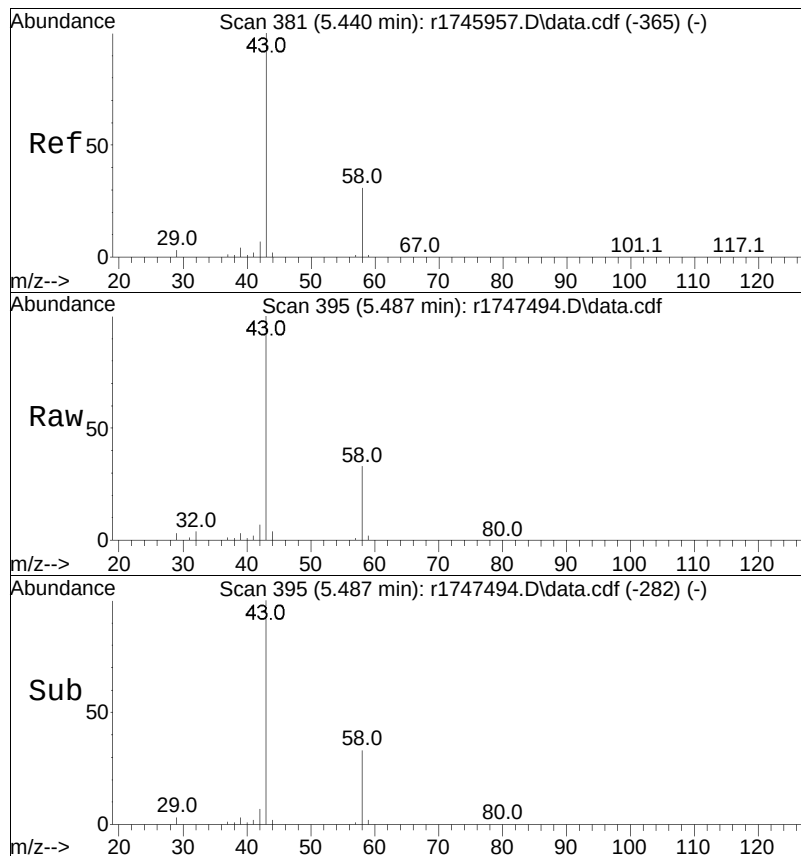




#15
 ethanol
 Concen: 102.73 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

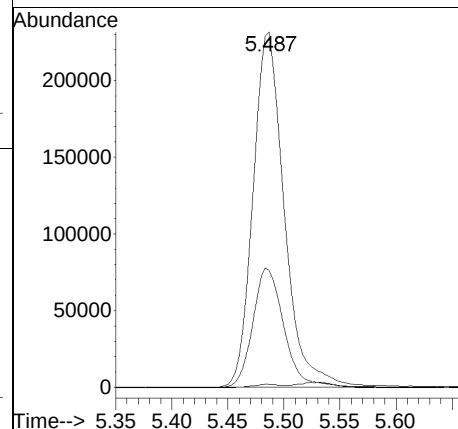
Tgt Ion	Ratio	Lower	Upper
31	100		
45	64.6	43.0	64.6

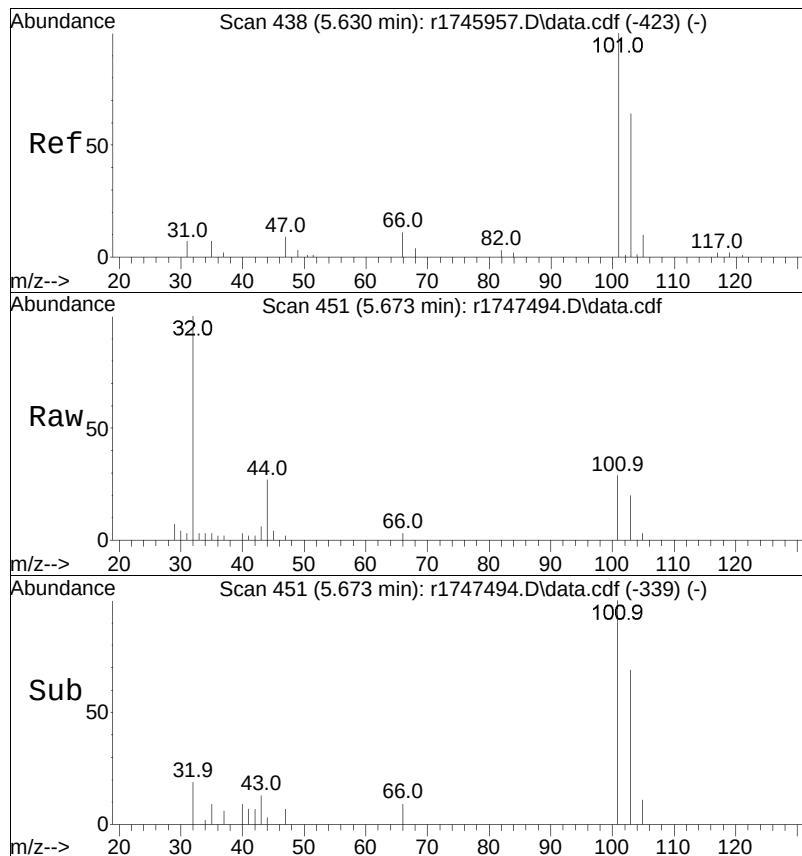




#19
 acetone
 Concen: 24.58 ppbV
 RT: 5.487 min Scan# 395
 Delta R.T. 0.047 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

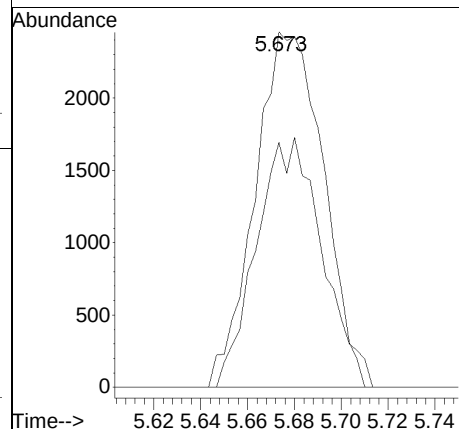
Tgt	Ion: 43	Resp: 448724
Ion	Ratio	Lower Upper
43	100	
58	32.9	24.7 37.1
57	0.9	0.6 0.8#

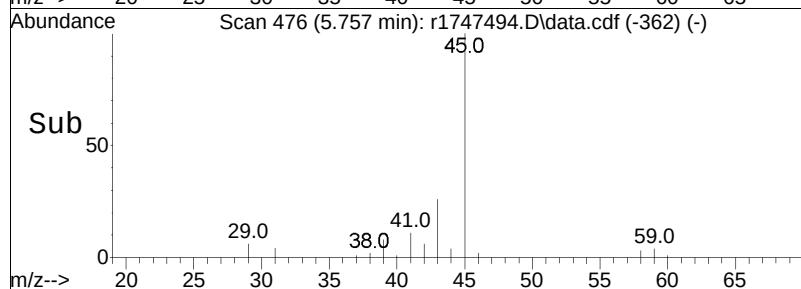
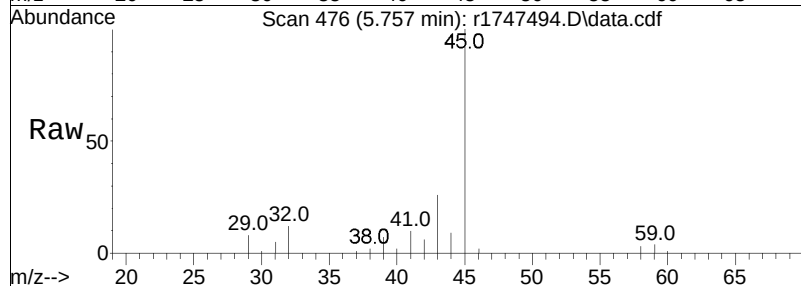
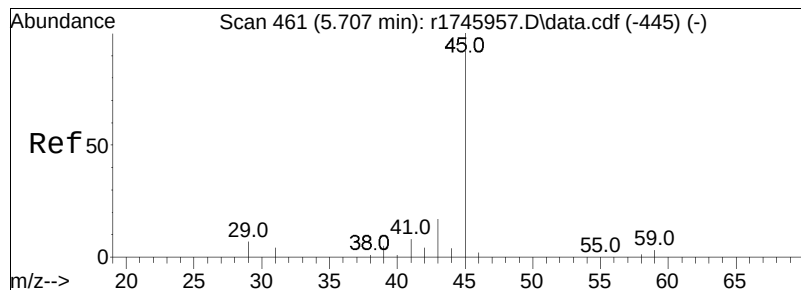




#21
 trichlorofluoromethane
 Concen: 0.24 ppbV
 RT: 5.673 min Scan# 451
 Delta R.T. 0.043 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

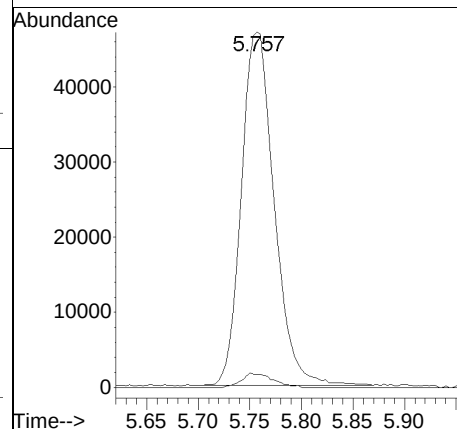
Tgt Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.9	76.3

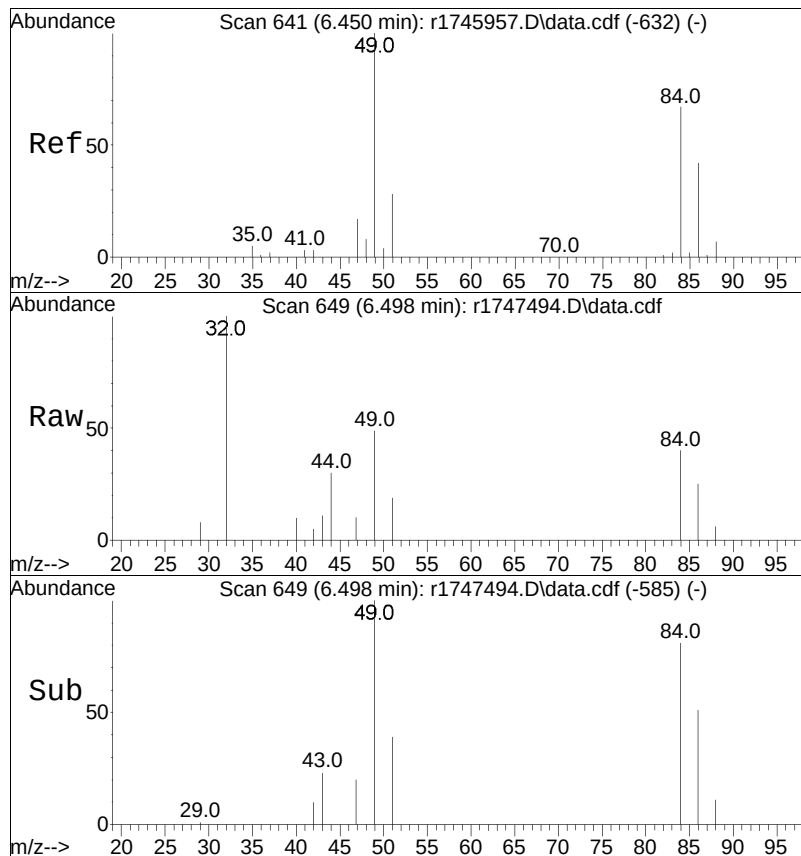




#22
isopropyl alcohol
Concen: 4.50 ppbV
RT: 5.757 min Scan# 476
Delta R.T. 0.050 min
Lab File: r1747494.D
Acq: 7 Mar 2025 12:42 AM

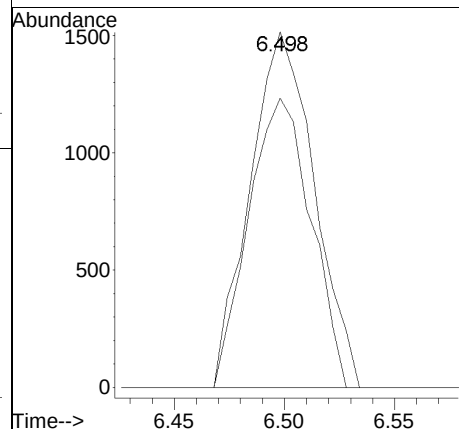
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.8	2.6	4.0

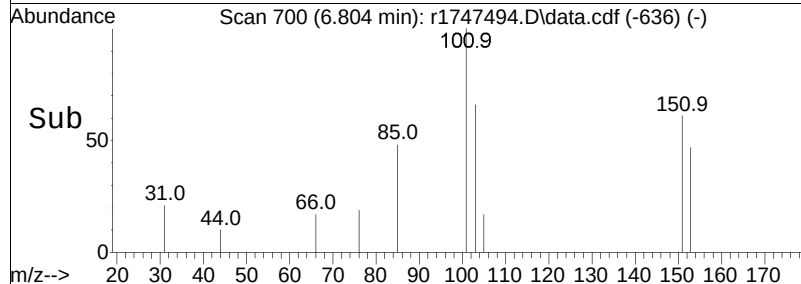
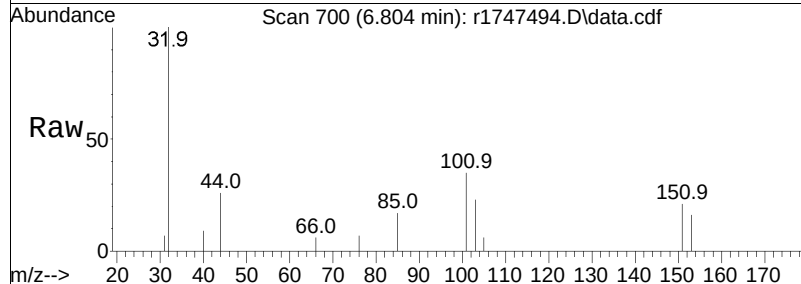
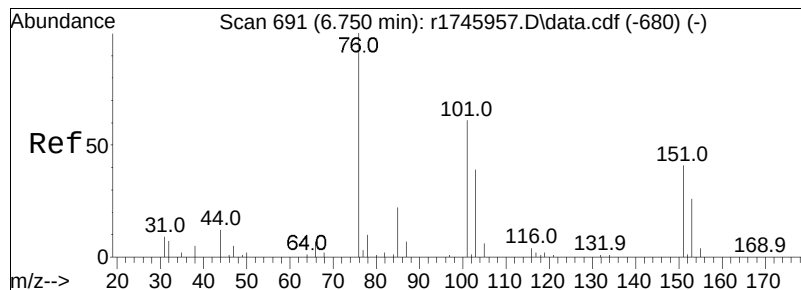




#28
 methylene chloride
 Concen: 0.18 ppbV
 RT: 6.498 min Scan# 649
 Delta R.T. 0.048 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

Tgt Ion:	49	84	Ratio	100	81.4	Resp:	3081	Lower	Upper
								53.4	80.0#





#31

Freon 113

Concen: 0.10 ppbV

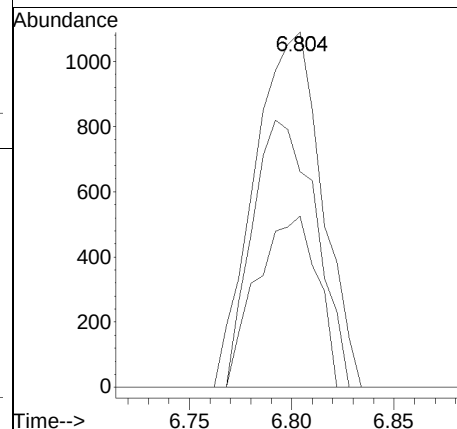
RT: 6.804 min Scan# 700

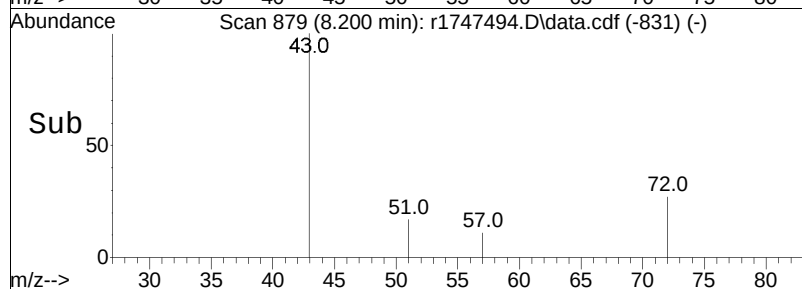
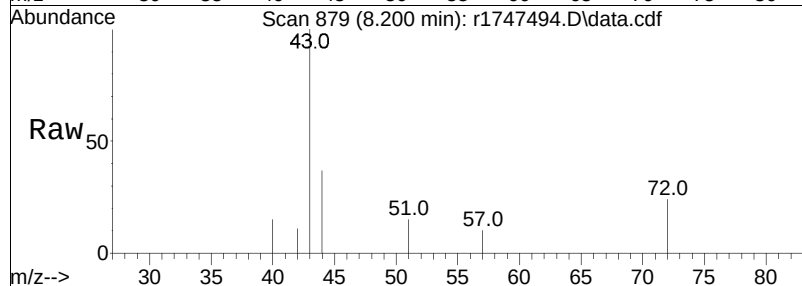
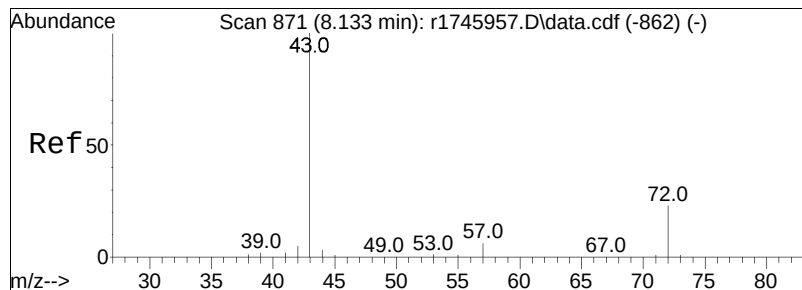
Delta R.T. 0.054 min

Lab File: r1747494.D

Acq: 7 Mar 2025 12:42 AM

Tgt Ion:101	Resp:	2502
Ion Ratio	Lower	Upper
101 100		
85 48.2	29.0	43.4#
151 60.7	53.6	80.4





#36

2-butanone

Concen: 0.16 ppbV

RT: 8.200 min Scan# 879

Delta R.T. 0.067 min

Lab File: r1747494.D

Acq: 7 Mar 2025 12:42 AM

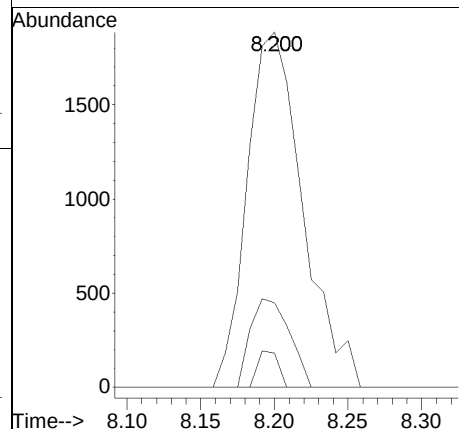
Tgt Ion: 43 Resp: 4958

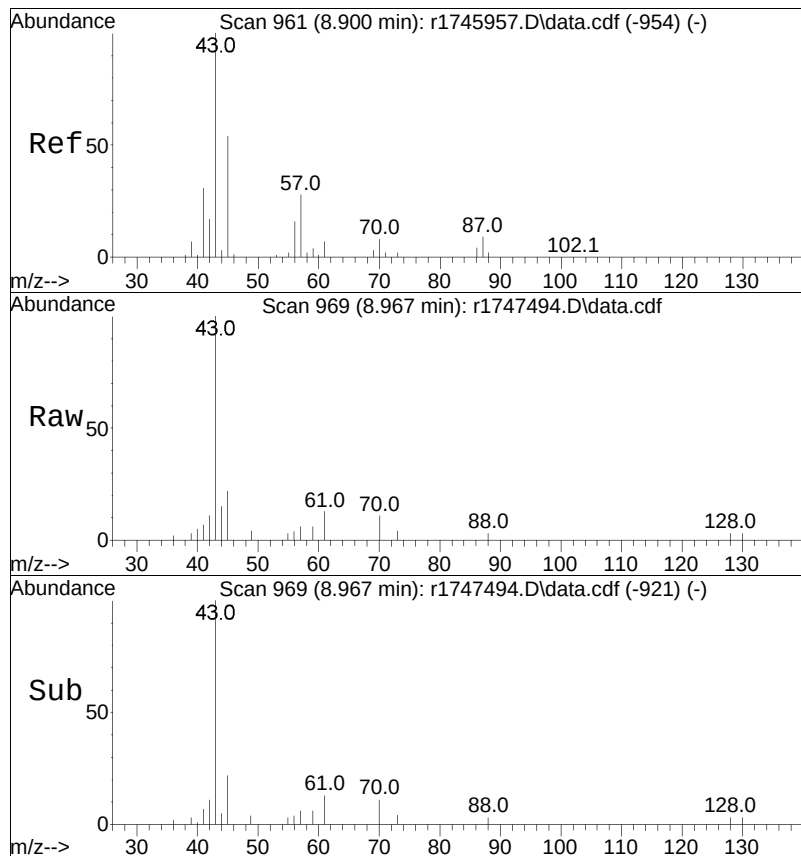
Ion Ratio Lower Upper

43 100

72 23.8 18.1 27.1

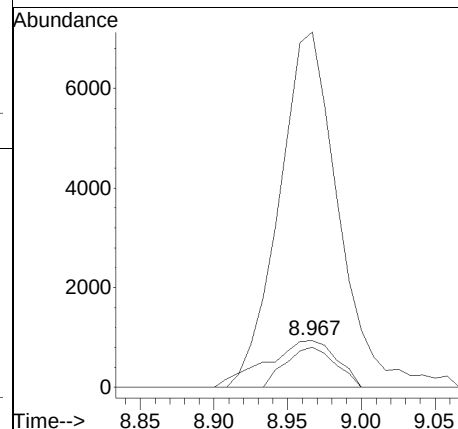
57 9.7 4.6 6.8#

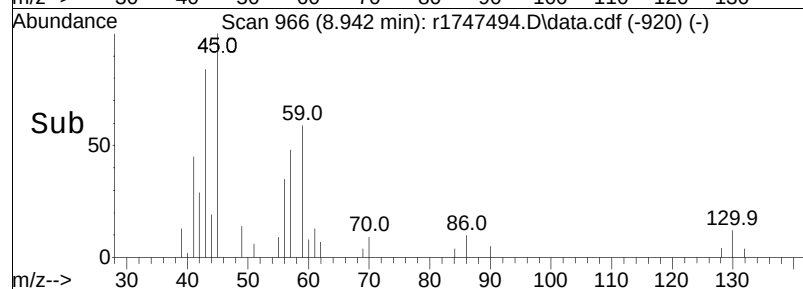
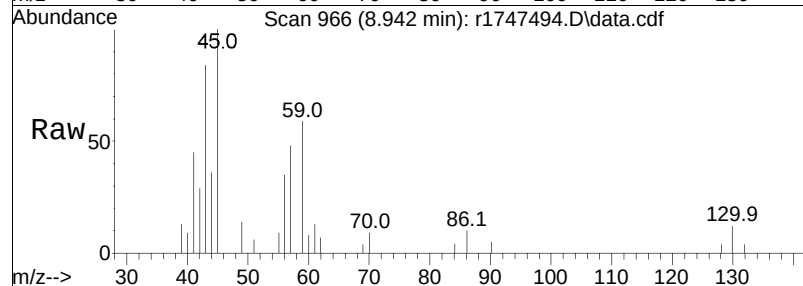
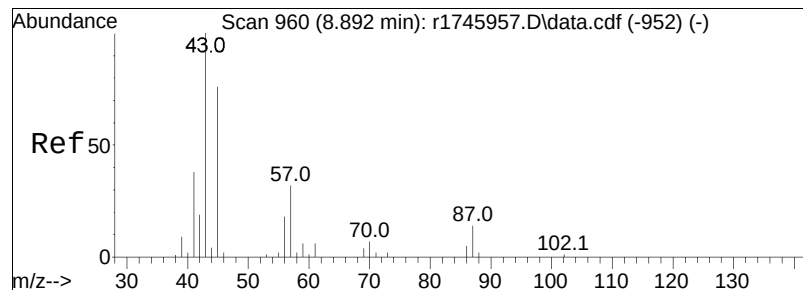




#38
 Ethyl Acetate
 Concen: 0.74 ppbV
 RT: 8.967 min Scan# 969
 Delta R.T. 0.067 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

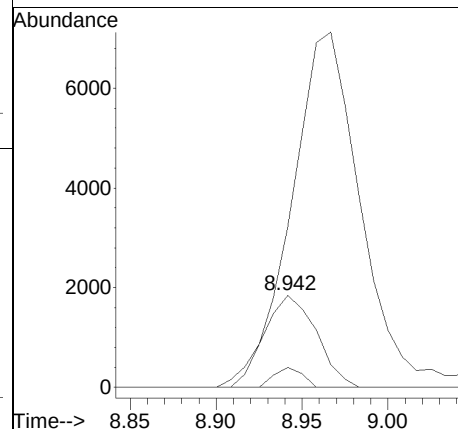
Tgt	Ion	Resp	Lower	Upper
61	100	3117		
70	86.2		85.8	128.8
43	760.6		1077.6	1616.4#

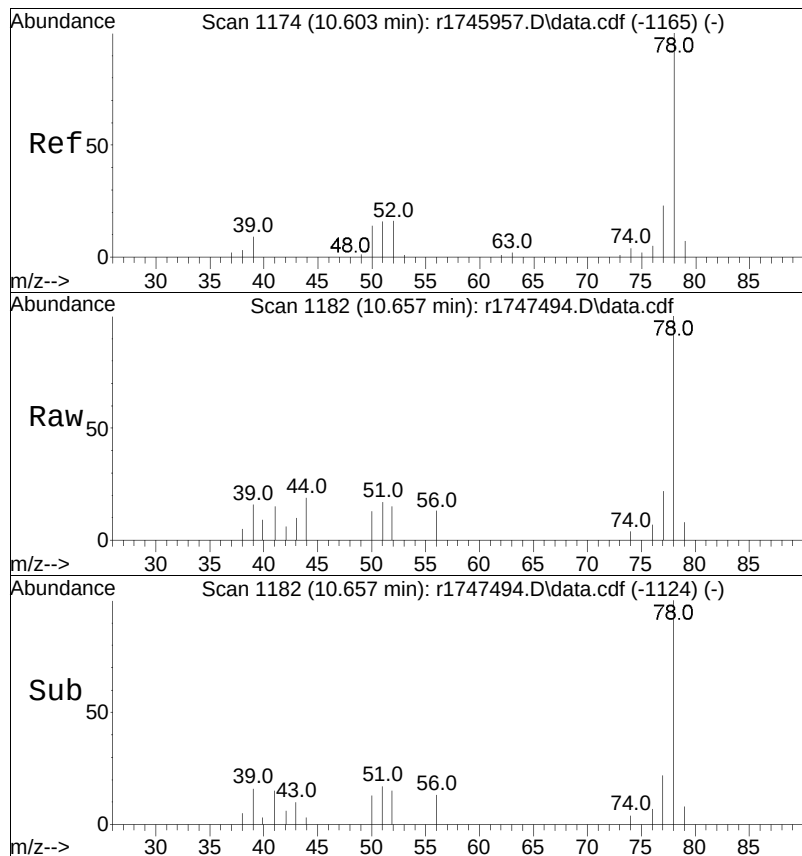




#44
hexane
Concen: 0.20 ppbV
RT: 8.942 min Scan# 966
Delta R.T. 0.050 min
Lab File: r1747494.D
Acq: 7 Mar 2025 12:42 AM

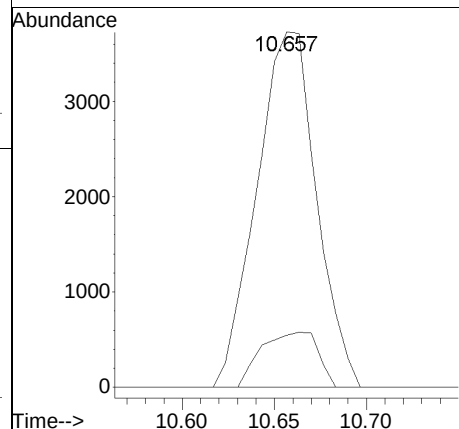
Tgt	Ion	Resp	Lower	Upper
57	100			
43	174.6	247.4	371.0#	
86	21.7	12.9	19.3#	

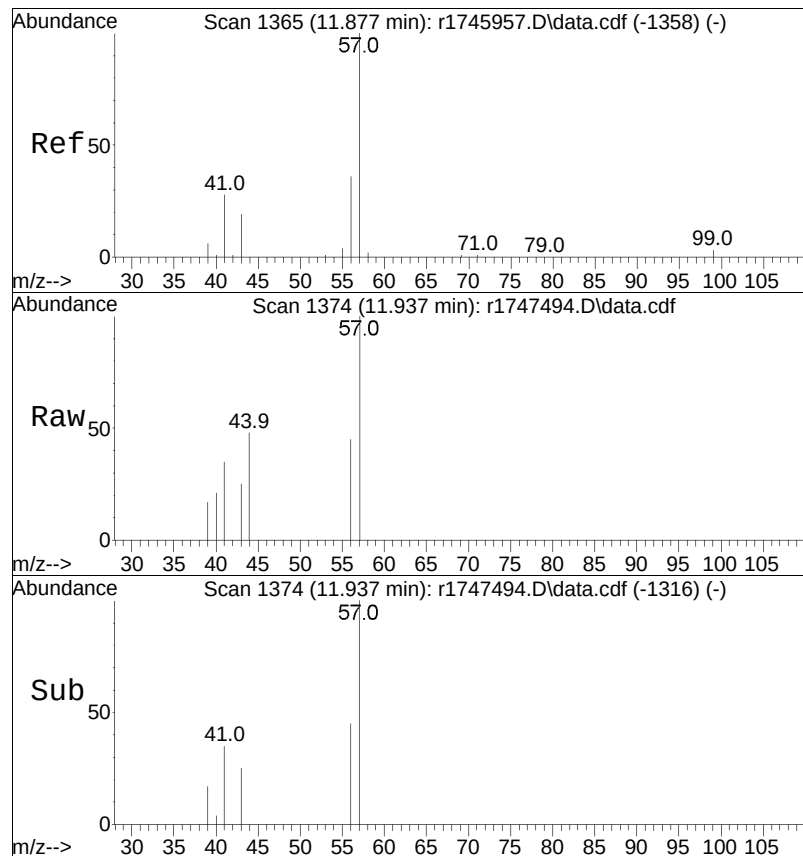




#50
benzene
Concen: 0.19 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747494.D
Acq: 7 Mar 2025 12:42 AM

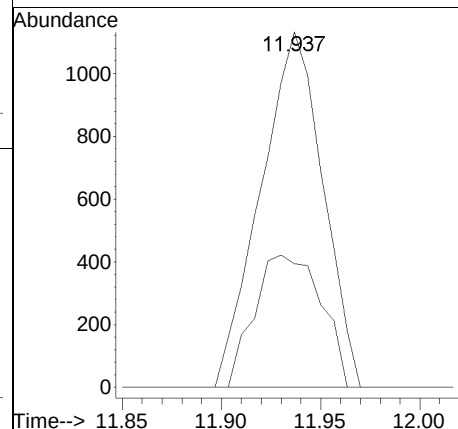
Tgt Ion	Ratio	Lower	Upper
78	100		
52	14.7	12.5	18.7

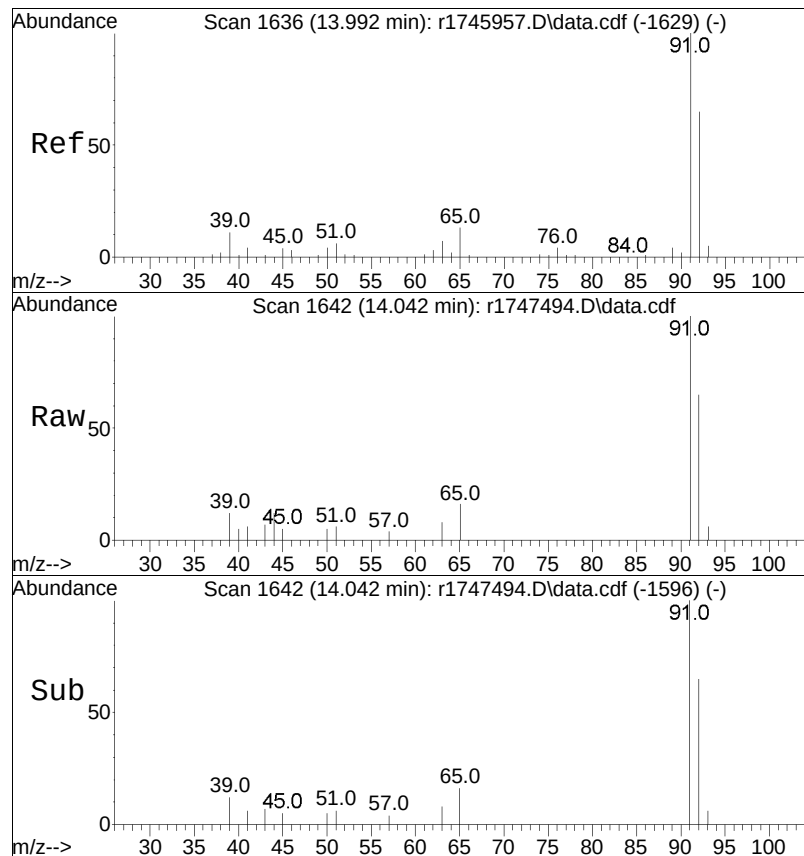




#60
 2,2,4-trimethylpentane
 Concen: 0.04 ppbV
 RT: 11.937 min Scan# 1374
 Delta R.T. 0.060 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

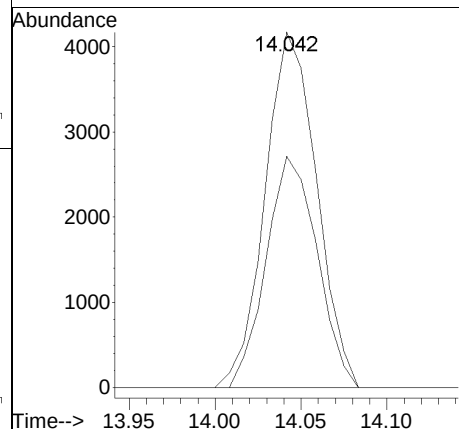
Tgt Ion:	57	Resp:	2469
Ion Ratio	Lower	Upper	
57	100		
99	0.0	4.6	6.8#
41	34.8	22.3	33.5#

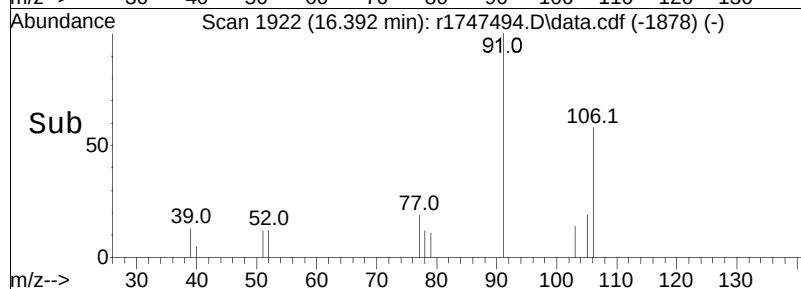
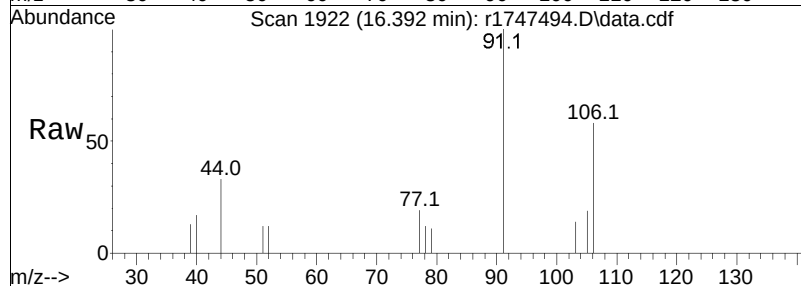
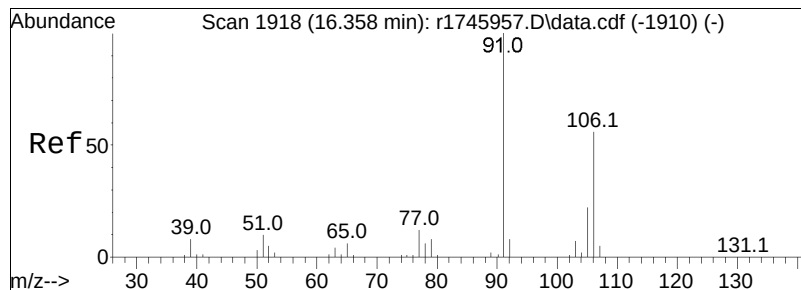




#68
toluene
Concen: 0.16 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747494.D
Acq: 7 Mar 2025 12:42 AM

Tgt Ion:	91	Resp:	8698
Ion Ratio	Lower	Upper	
91	100		
92	65.0	51.7	77.5





#83

m+p-xylene

Concen: 0.06 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747494.D

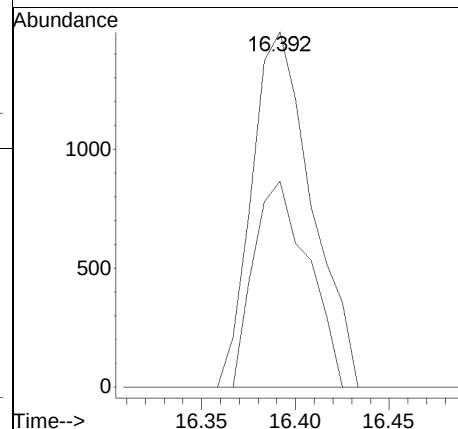
Acq: 7 Mar 2025 12:42 AM

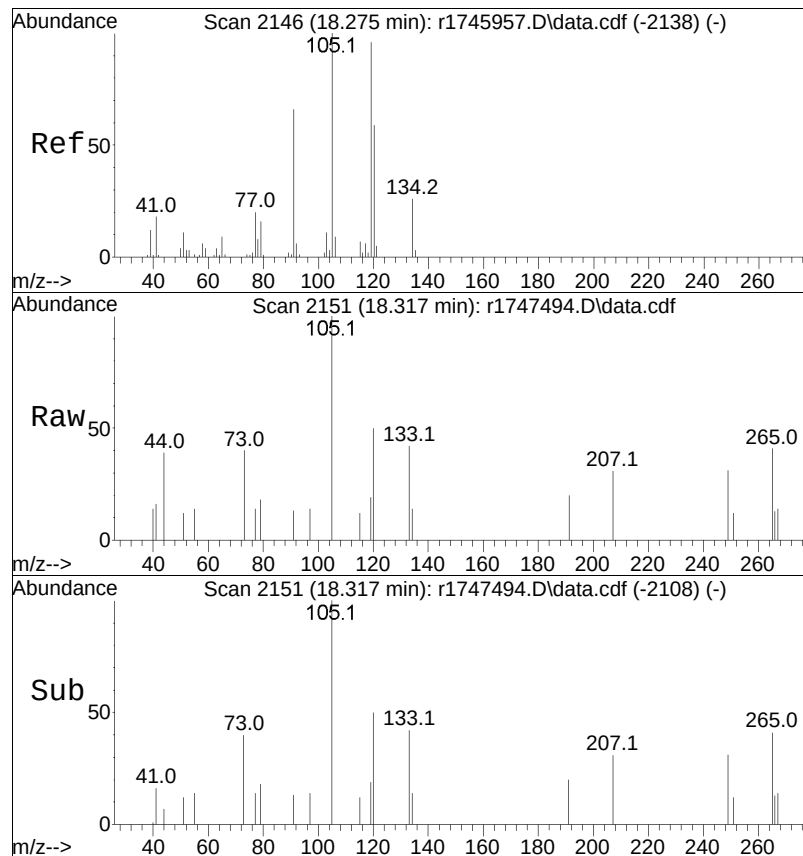
Tgt Ion: 91 Resp: 3317

Ion Ratio Lower Upper

91 100

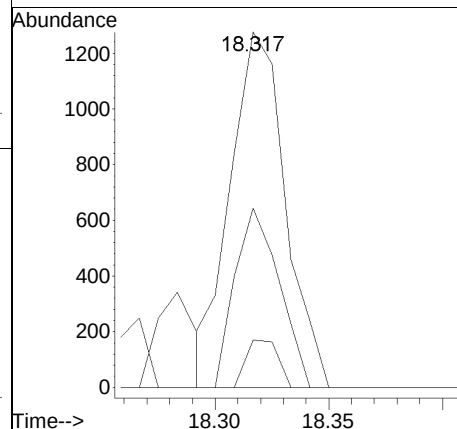
106 58.0 44.7 67.1





#99
 1,2,4-trimethylbenzene
 Concen: 0.03 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747494.D
 Acq: 7 Mar 2025 12:42 AM

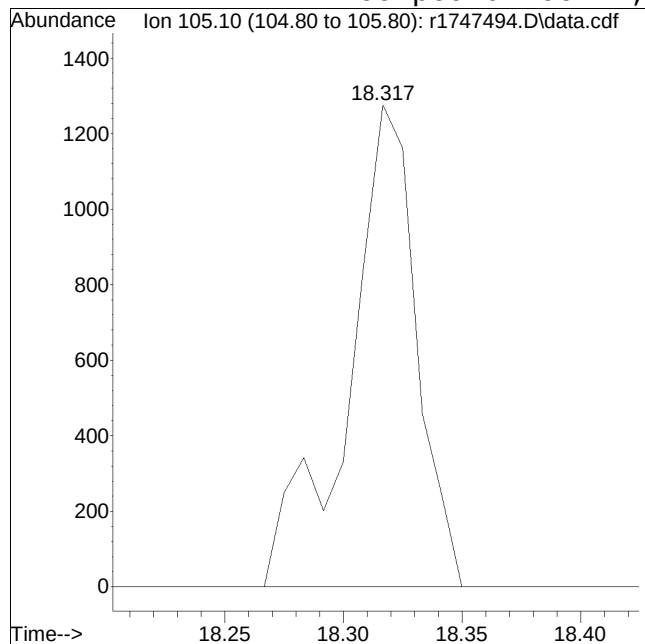
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	47.1	70.7
91	13.3	53.0	79.4#



Manual Integration Report

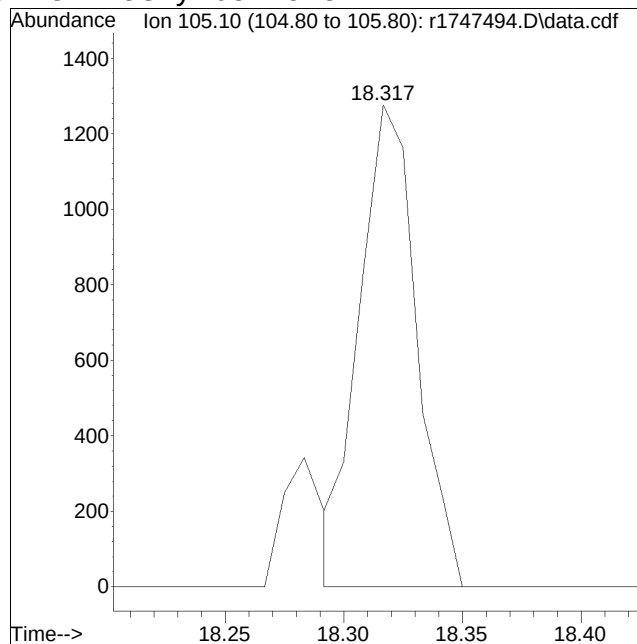
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747494.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 12:42 AM Instrument :
Sample : L2509499-08,3,250,250 Quant Date : 3/7/2025 7:44 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 2549

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



Manual Peak Response = 2153 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747500.D
 Acq On : 7 Mar 2025 4:30 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-09D,3,100,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:49:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.875	49	244734	10.000	ppbV	0.06
Standard Area = 259437			Recovery =		94.33%	
43) 1,4-difluorobenzene	11.077	114	649689	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		91.97%	
67) chlorobenzene-D5	15.833	54	104102	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		97.86%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	59561	2.435	ppbV	100
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.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.858		0	N.D.		
15) ethanol	4.984	31	610468	66.306	ppbV #	84
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	13621029	724.763	ppbV #	76
21) trichlorofluoromethane	5.677	101	2089	0.096	ppbV	92
22) isopropyl alcohol	5.753	45	2184233	91.943	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.504	49	1329	0.077	ppbV #	69
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.792	76	6818	0.172	ppbV #	30
31) Freon 113	6.798	101	993	0.039	ppbV #	58
32) trans-1,2-dichloroethene	0.000		0	N.D.	d	
33) 1,1-dichloroethane	7.733		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.192	43	10029	0.315	ppbV	96
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.950	61	72585	16.719	ppbV #	1
39) chloroform	9.025	83	28220	1.213	ppbV #	97
40) Tetrahydrofuran	9.467	42	1731	0.092	ppbV #	87
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.942	57	24728	1.177	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747500.D
 Acq On : 7 Mar 2025 4:30 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-09D,3,100,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:49:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	10.142		0	N.D.		
50) benzene	10.657	78	48455	1.062	ppbV	98
52) carbon tetrachloride	10.830	117	560	0.032	ppbV #	75
53) cyclohexane	10.970	56	7026	0.314	ppbV	94
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	11.877	130	2382	0.116	ppbV	96
60) 2,2,4-trimethylpentane	11.930	57	25840	0.383	ppbV #	89
62) heptane	12.183	43	1122	0.036	ppbV #	44
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.883		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	14.042	91	286364	4.834	ppbV	98
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	15.217	166	65665	2.707	ppbV	97
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.225	91	160178	2.106	ppbV	97
83) m+p-xylene	16.383	91	500674	8.330	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.717	104	1926	0.039	ppbV #	93
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.817	91	281150	4.665	ppbV	98
96) 4-ethyl toluene	17.900	105	126030M3	1.552	ppbV	
97) 1,3,5-trimethylbenzene	17.958	105	154763	2.247	ppbV	99
99) 1,2,4-trimethylbenzene	18.308	105	504300	7.399	ppbV #	59
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.275		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	20.383		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\Airlab17\2025\03\0306T\
 Data File : r1747500.D
 Acq On : 7 Mar 2025 4:30 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-09D,3,100,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:49:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747500.D

Acq On : 7 Mar 2025 4:30 AM

Operator : AIRLAB17:TPH

Sample : L2509499-09D,3,100,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

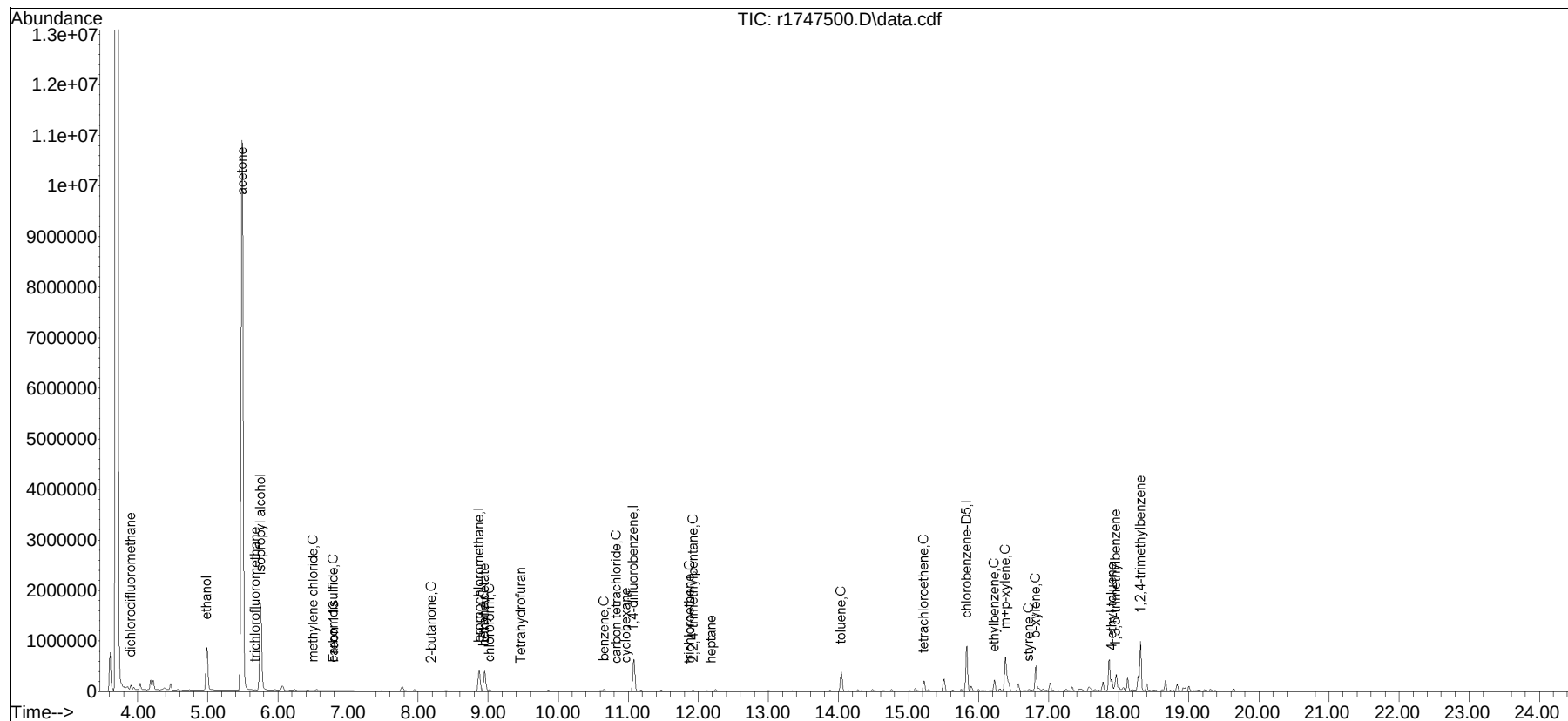
Quant Time: Mar 07 07:49:52 2025

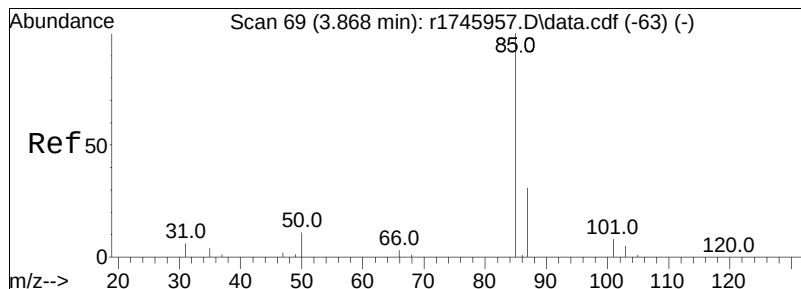
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

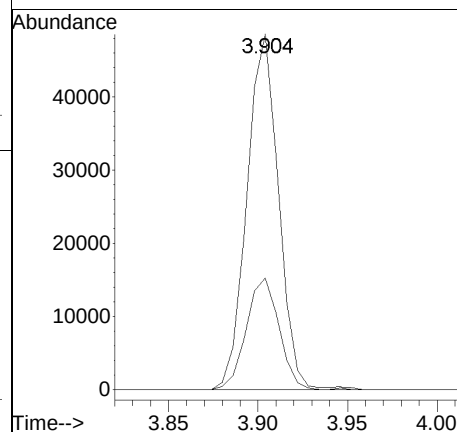
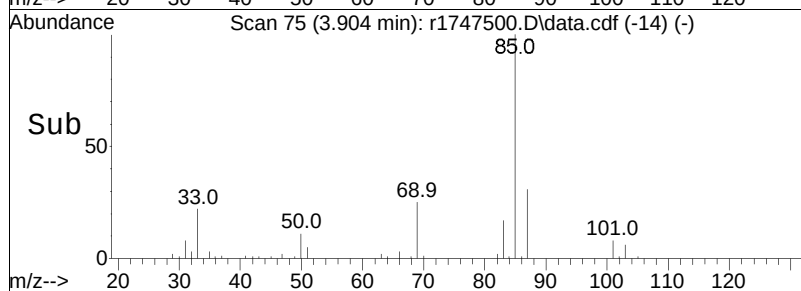
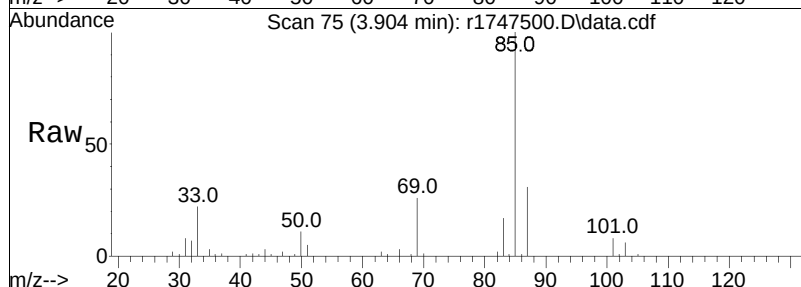
Response via : Initial Calibration

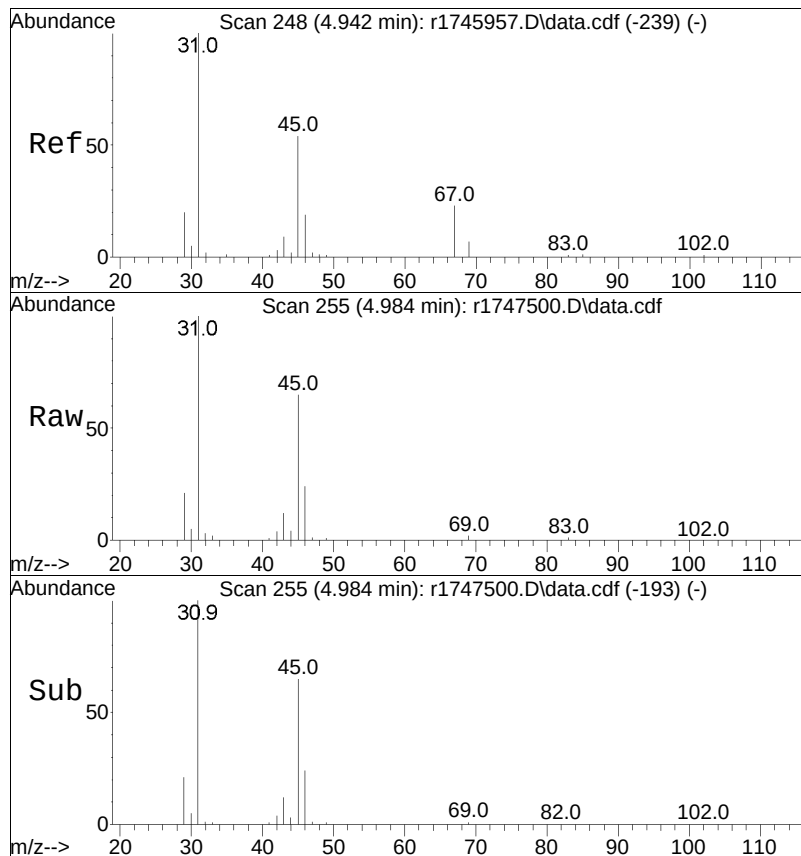




#5
 dichlorodifluoromethane
 Concen: 2.44 ppbV
 RT: 3.904 min Scan# 75
 Delta R.T. 0.036 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

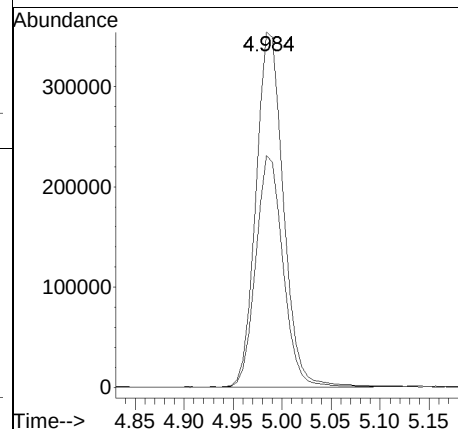
Tgt Ion: 85 Resp: 59561
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.2 37.8

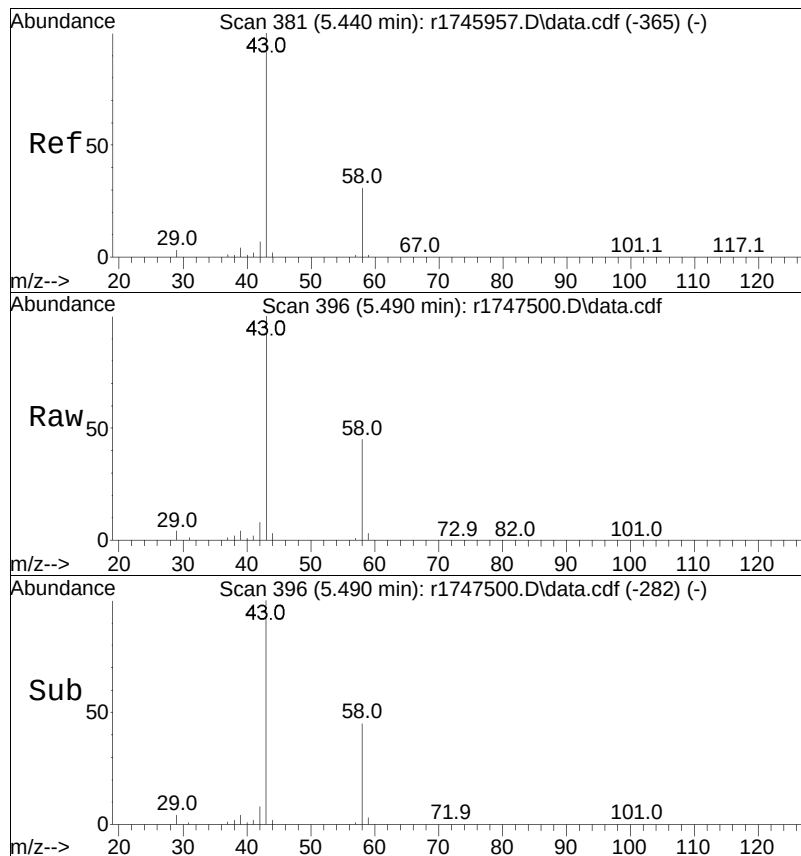




#15
 ethanol
 Concen: 66.31 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

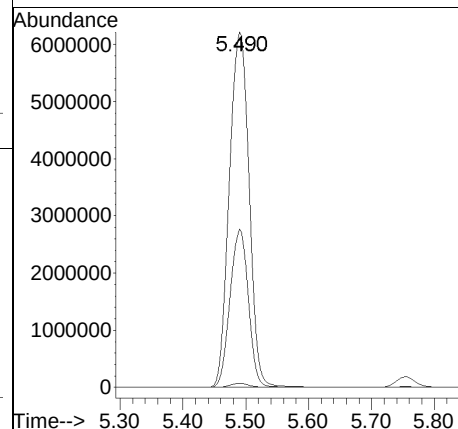
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	65.3	43.0	64.6#	

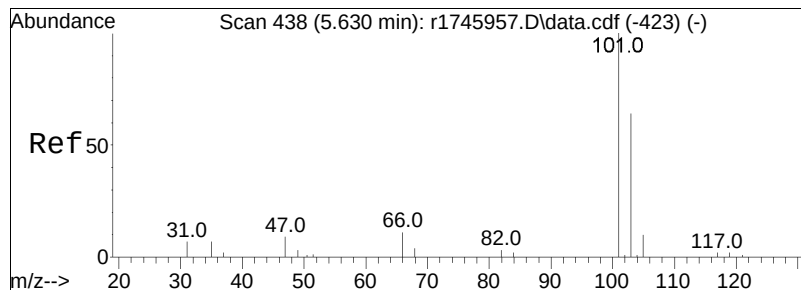




#19
 acetone
 Concen: 724.76 ppbV
 RT: 5.490 min Scan# 396
 Delta R.T. 0.050 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

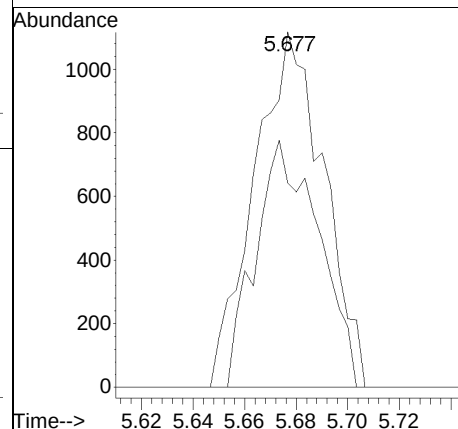
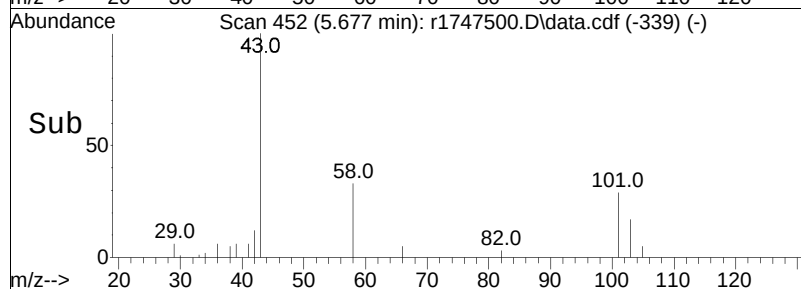
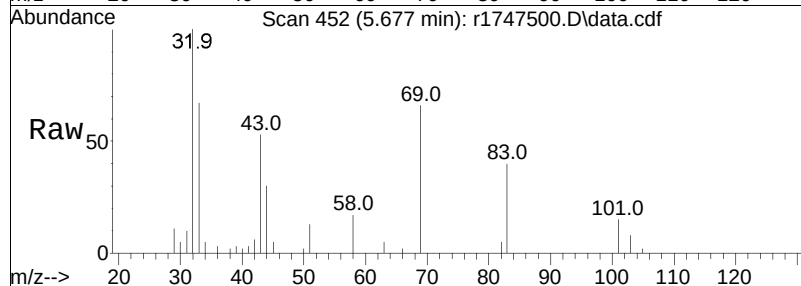
Tgt Ion: 43 Resp:13621029
 Ion Ratio Lower Upper
 43 100
 58 44.6 24.7 37.1#
 57 1.2 0.6 0.8#

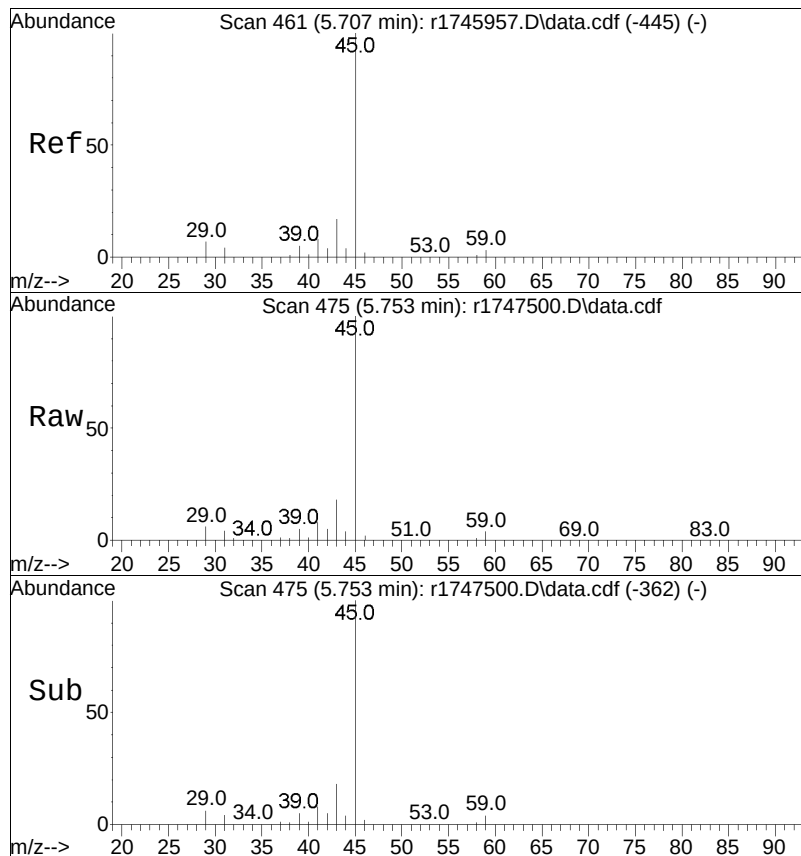




#21
trichlorofluoromethane
Concen: 0.10 ppbV
RT: 5.677 min Scan# 452
Delta R.T. 0.047 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

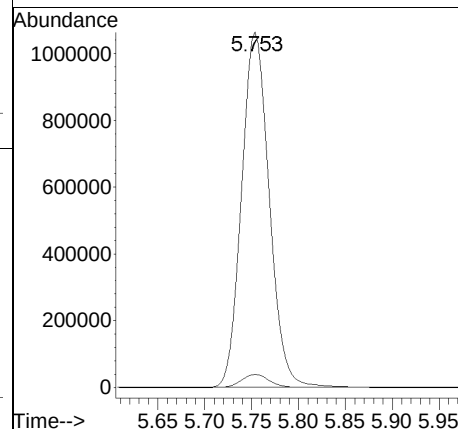
Tgt Ion	Ratio	Lower	Upper
101	100		
103	57.6	50.9	76.3

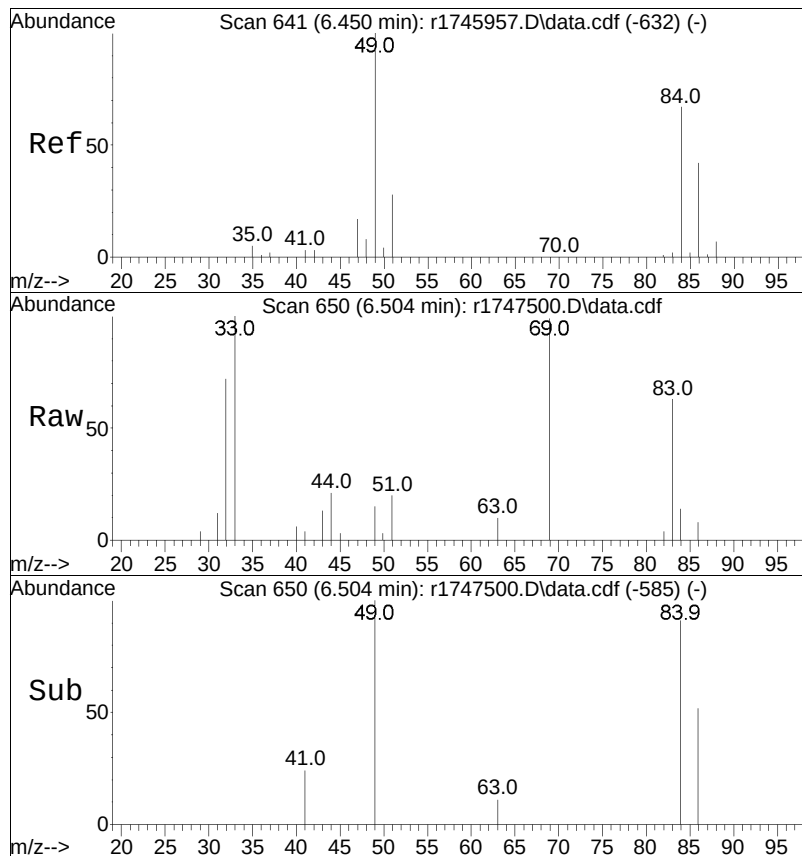




#22
isopropyl alcohol
Concen: 91.94 ppbV
RT: 5.753 min Scan# 475
Delta R.T. 0.047 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

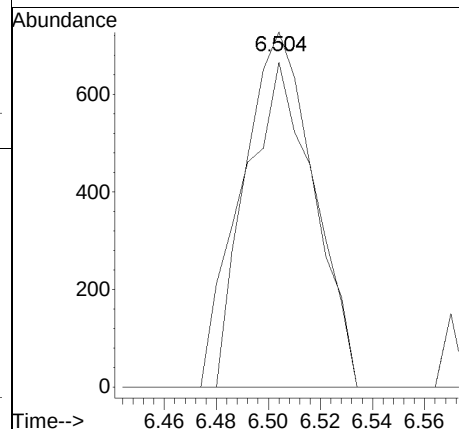
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.7	2.6	4.0

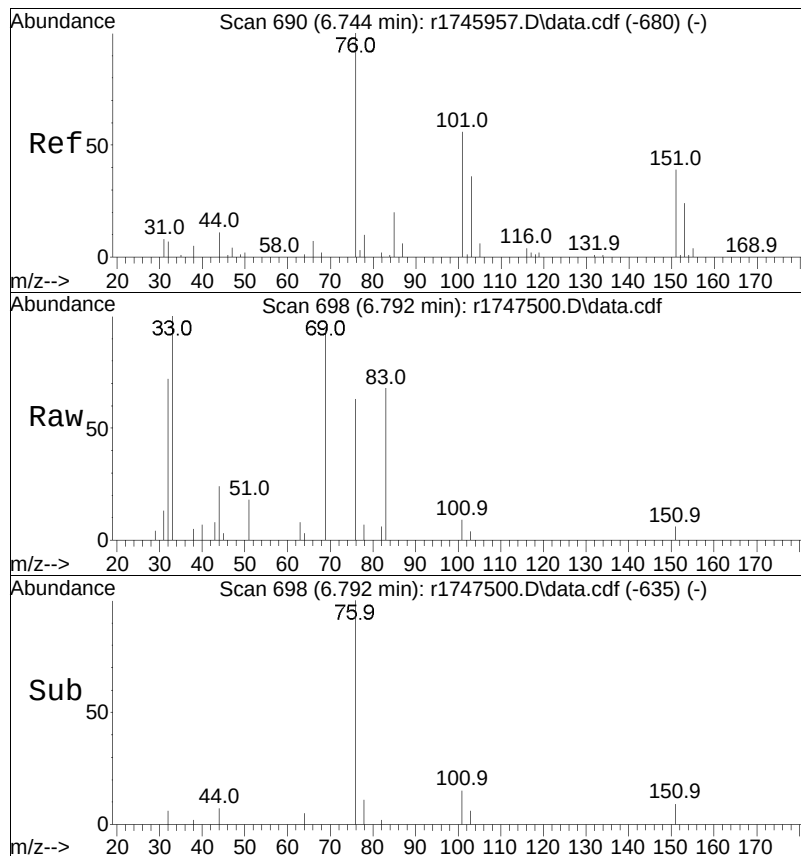




#28
 methylene chloride
 Concen: 0.08 ppbV
 RT: 6.504 min Scan# 650
 Delta R.T. 0.054 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

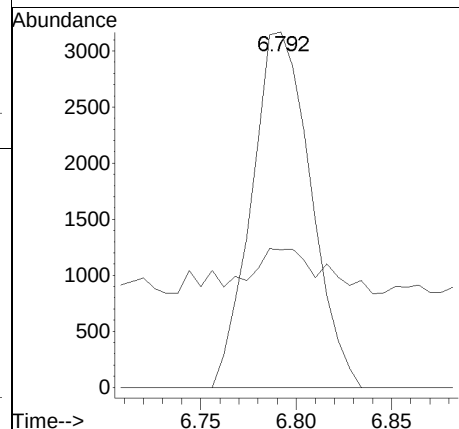
Tgt Ion:	49	84	Ratio	100	91.5	Resp:	1329	Lower	Upper
								53.4	80.0#

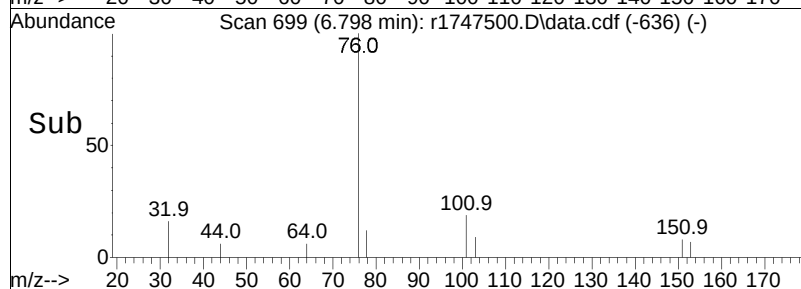
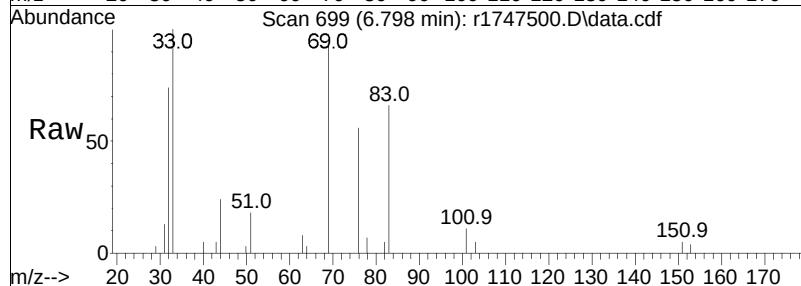
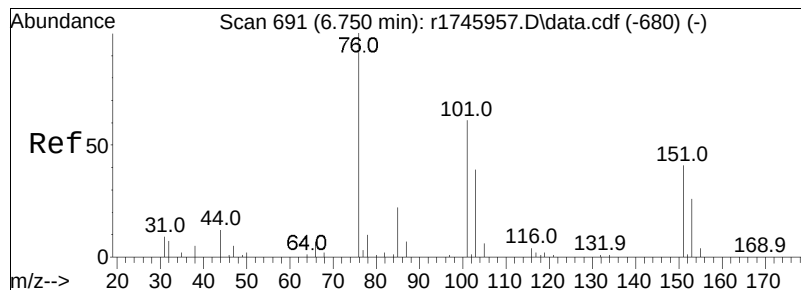




#30
 carbon disulfide
 Concen: 0.17 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.048 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

Tgt Ion	Ratio	Lower	Upper
76	100		
44	38.8	9.4	14.0#





#31

Freon 113

Concen: 0.04 ppbV

RT: 6.798 min Scan# 699

Delta R.T. 0.048 min

Lab File: r1747500.D

Acq: 7 Mar 2025 4:30 AM

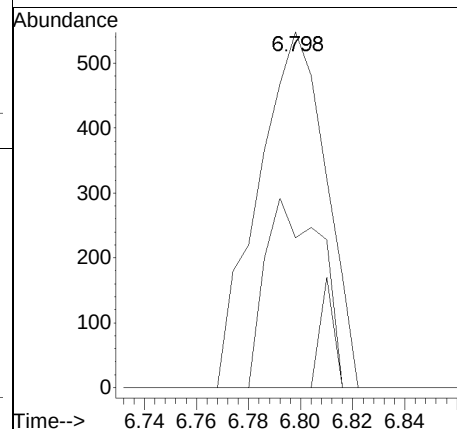
Tgt Ion:101 Resp: 993

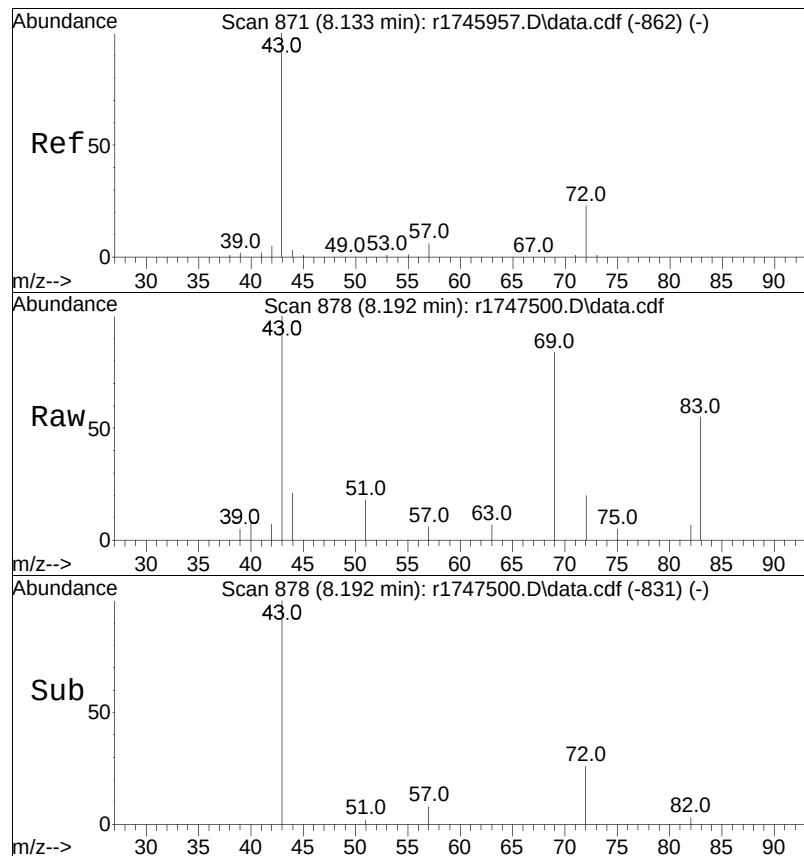
Ion Ratio Lower Upper

101 100

85 0.0 29.0 43.4#

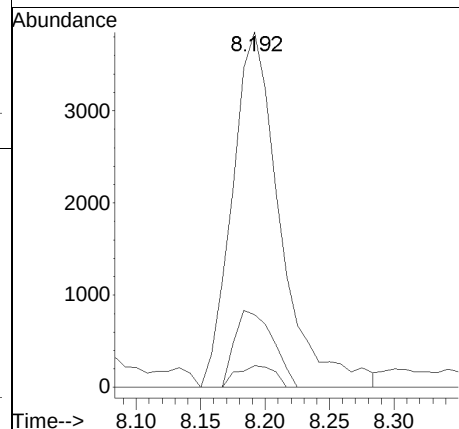
151 42.2 53.6 80.4#

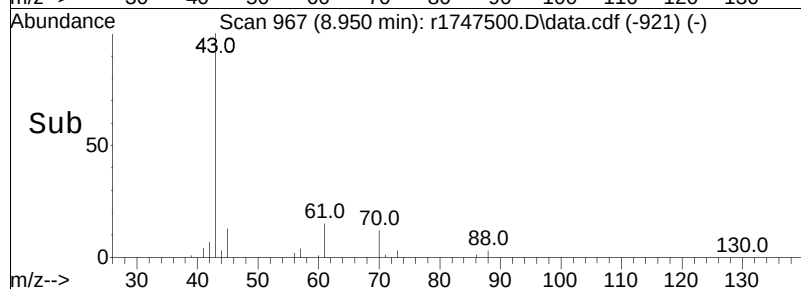
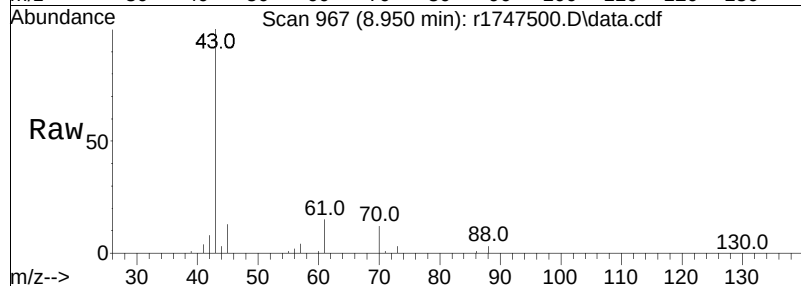
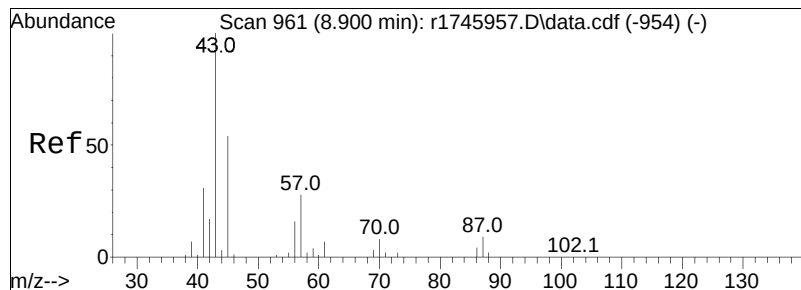




#36
 2-butanone
 Concen: 0.31 ppbV
 RT: 8.192 min Scan# 878
 Delta R.T. 0.058 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.5	18.1	27.1
57	6.1	4.6	6.8





#38

Ethyl Acetate

Concen: 16.72 ppbV

RT: 8.950 min Scan# 967

Delta R.T. 0.050 min

Lab File: r1747500.D

Acq: 7 Mar 2025 4:30 AM

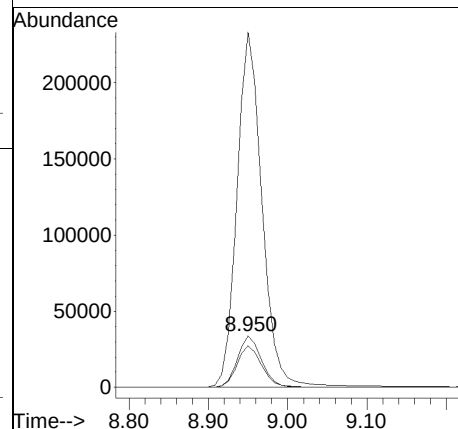
Tgt Ion: 61 Resp: 72585

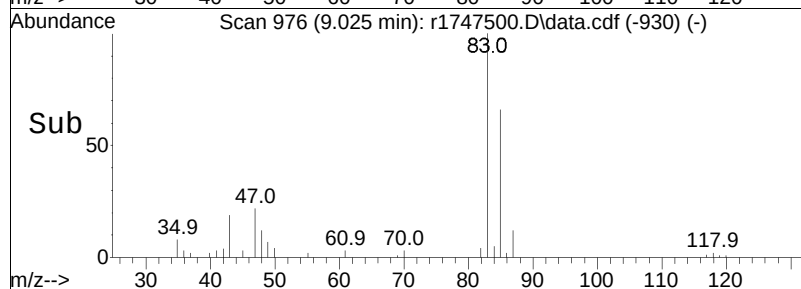
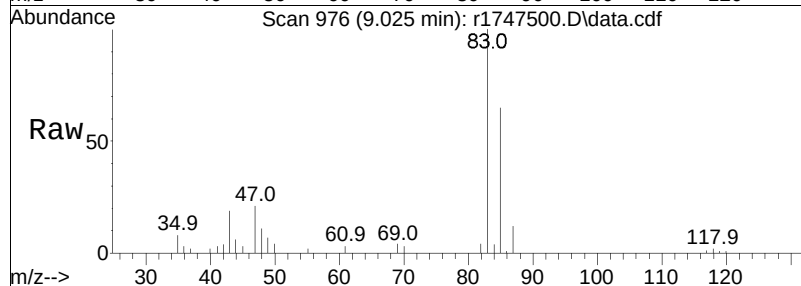
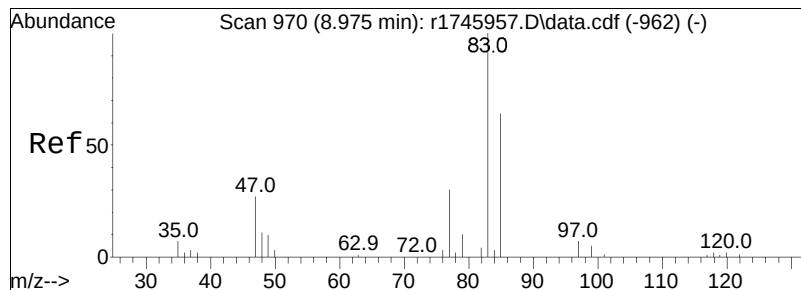
Ion Ratio Lower Upper

61 100

70 80.9 85.8 128.8#

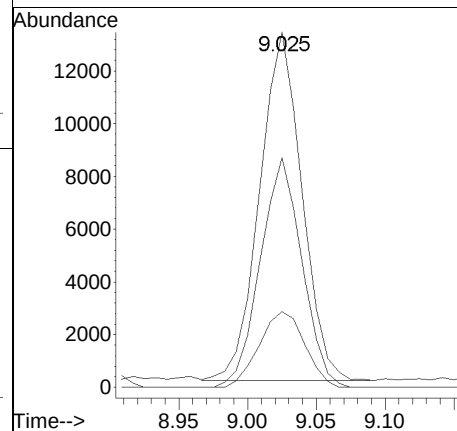
43 689.1 1077.6 1616.4#

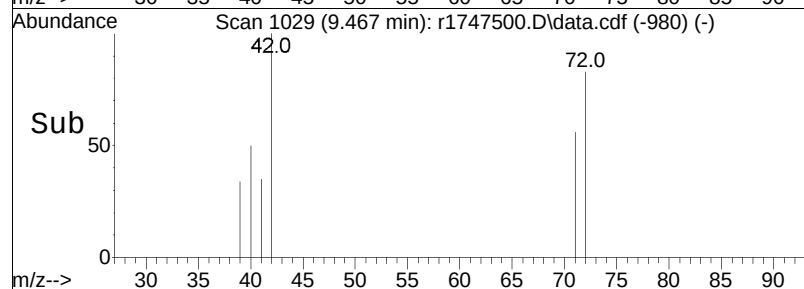
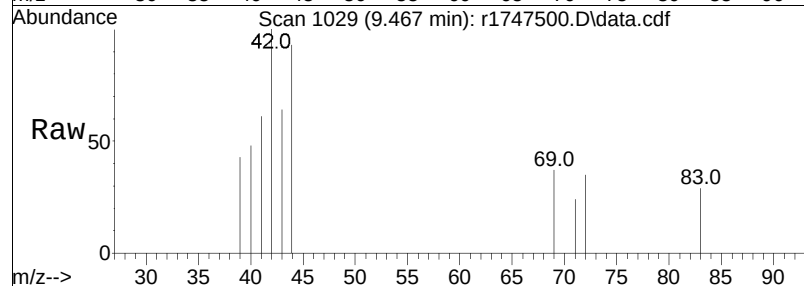
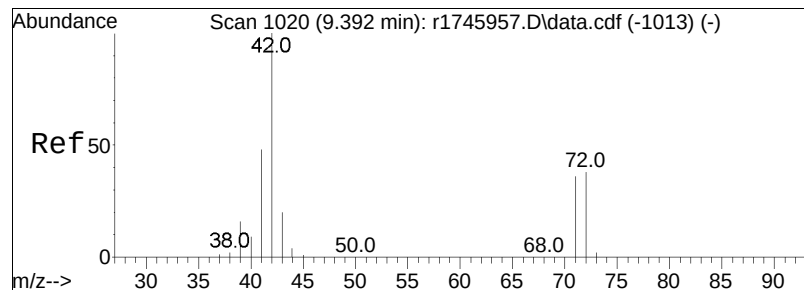




#39
chloroform
Concen: 1.21 ppbV
RT: 9.025 min Scan# 976
Delta R.T. 0.050 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

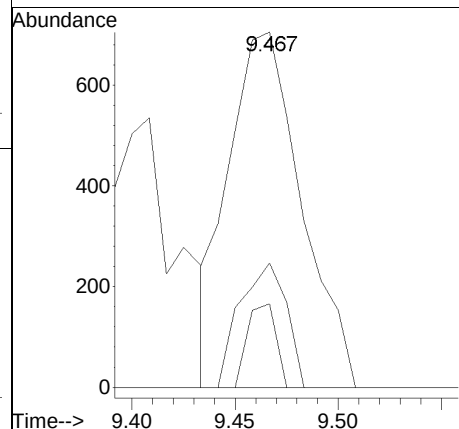
Tgt Ion:	83	Resp:	28220
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.6	77.4
47	21.3	21.4	32.2#

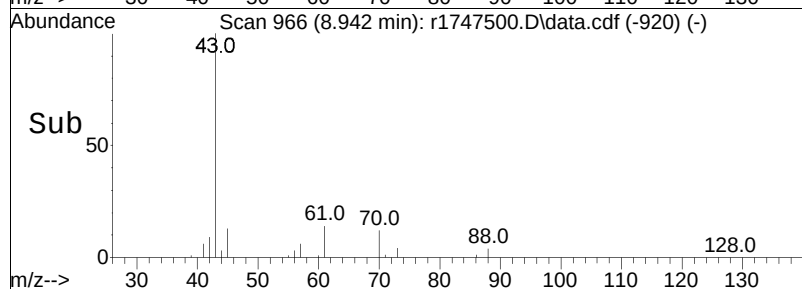
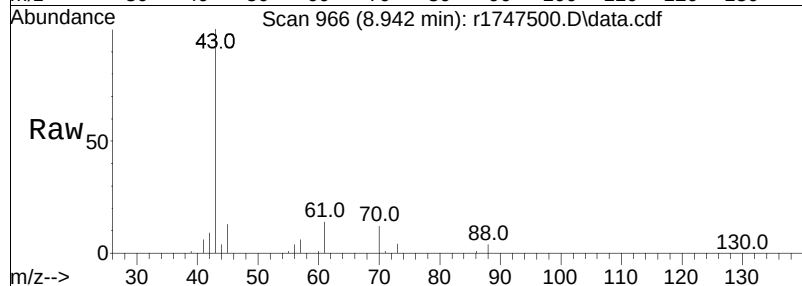
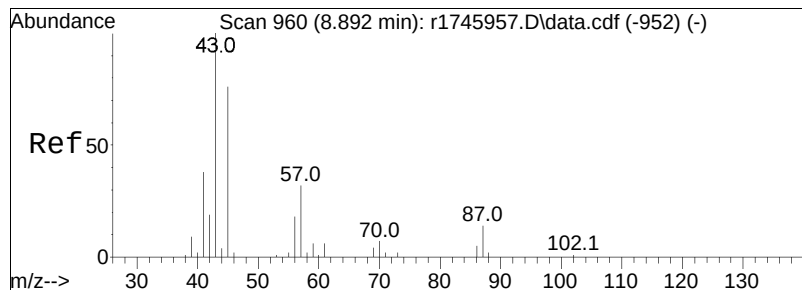




#40
Tetrahydrofuran
Concen: 0.09 ppbV
RT: 9.467 min Scan# 1029
Delta R.T. 0.075 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

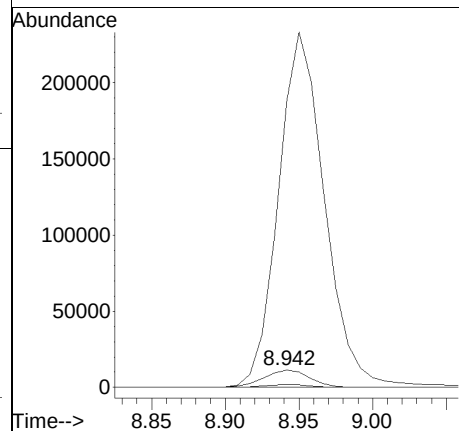
Tgt Ion:	42	Resp:	1731
Ion Ratio	Lower	Upper	
42	100		
71	23.5	28.9	43.3#
72	35.0	30.1	45.1

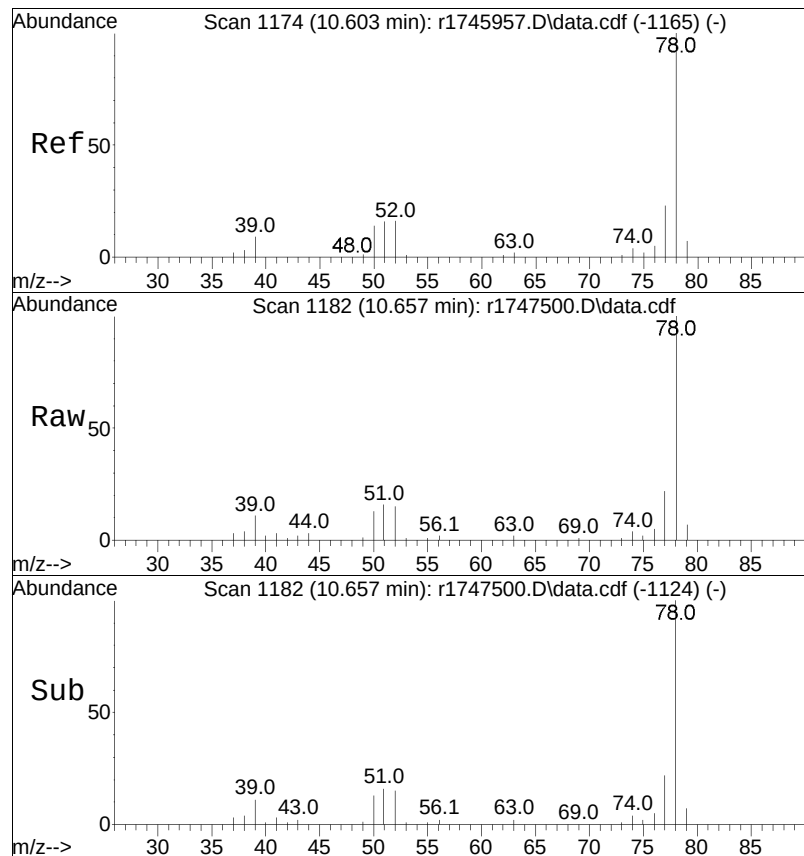




#44
hexane
Concen: 1.18 ppbV
RT: 8.942 min Scan# 966
Delta R.T. 0.050 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

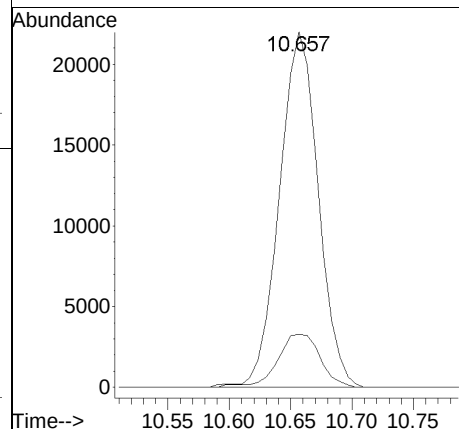
Tgt Ion	Ratio	Lower	Upper
57	100		
43	1644.3	247.4	371.0#
86	16.1	12.9	19.3

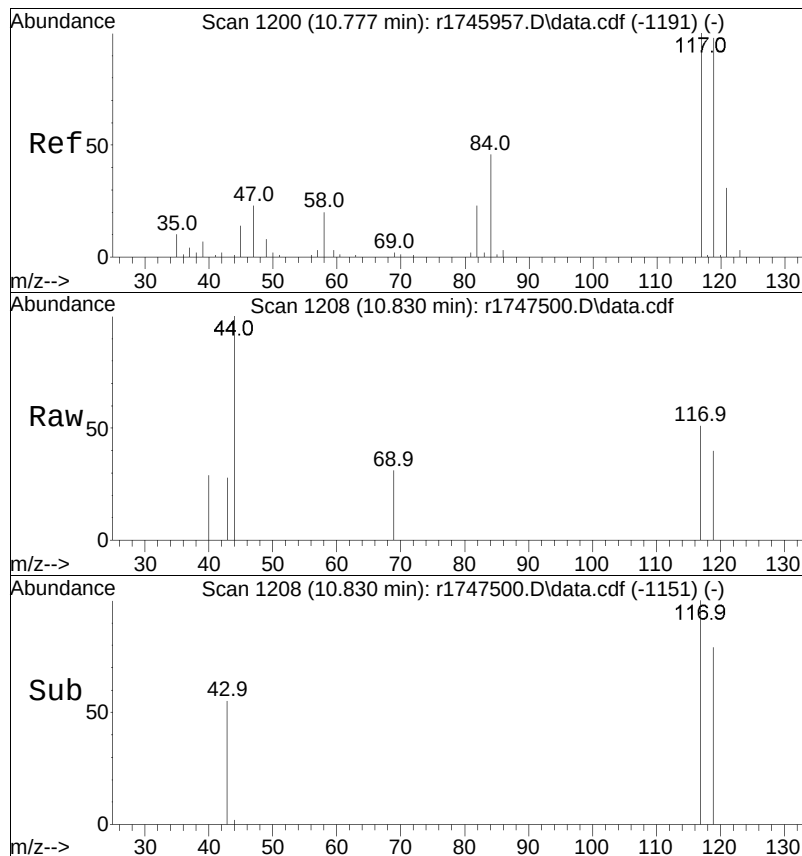




#50
benzene
Concen: 1.06 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

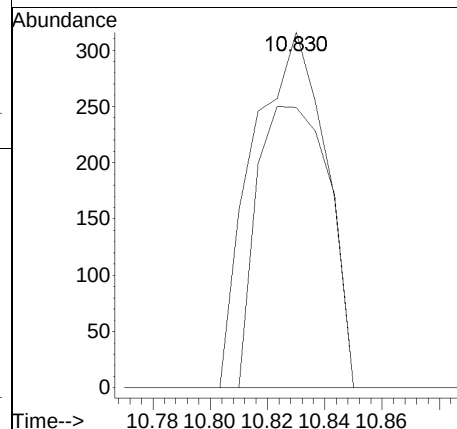
Tgt Ion	Ratio	Lower	Upper
78	100		
52	14.9	12.5	18.7

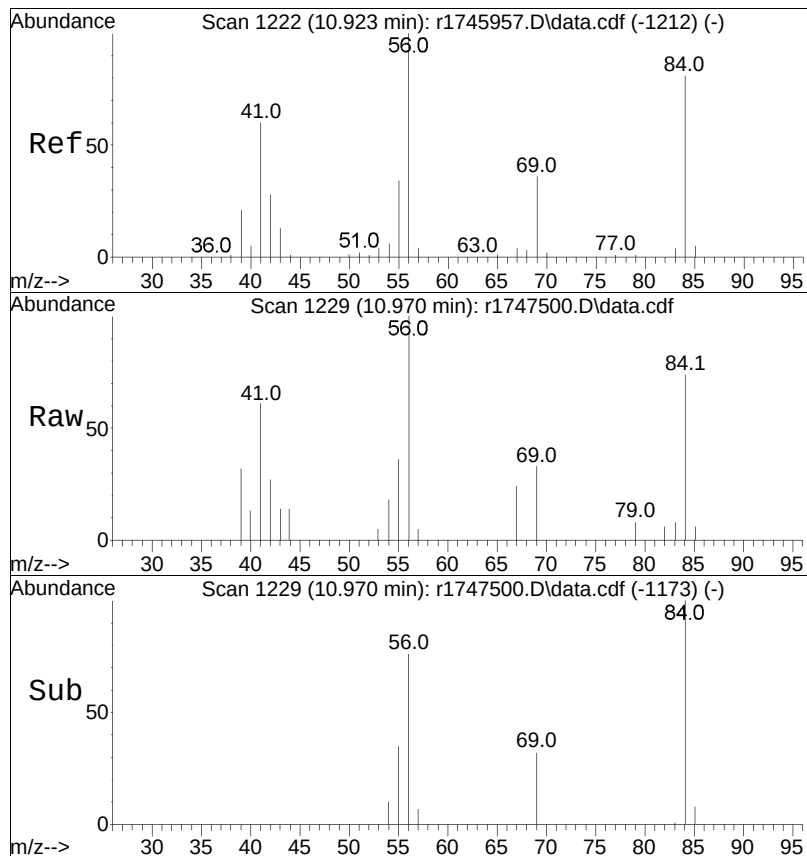




#52
 carbon tetrachloride
 Concen: 0.03 ppbV
 RT: 10.830 min Scan# 1208
 Delta R.T. 0.053 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

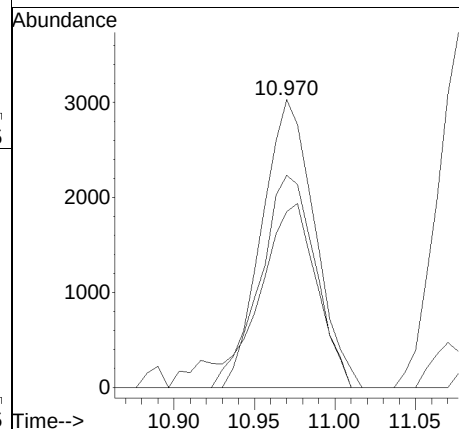
Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.8	78.2	117.2
82	0.0	18.6	28.0#

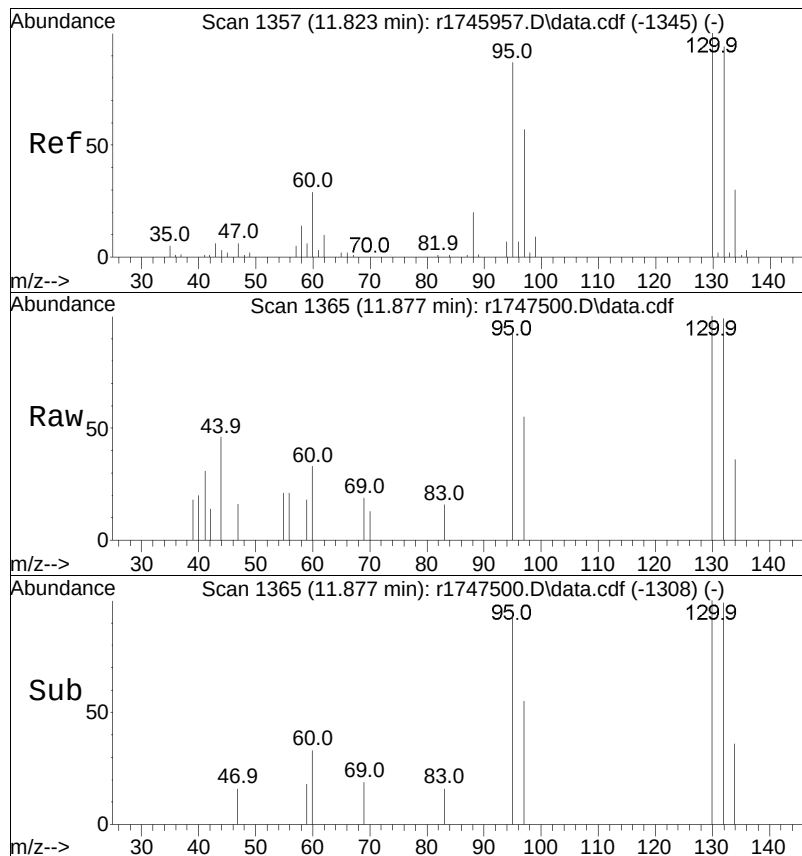




#53
cyclohexane
Concen: 0.31 ppbV
RT: 10.970 min Scan# 1229
Delta R.T. 0.047 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

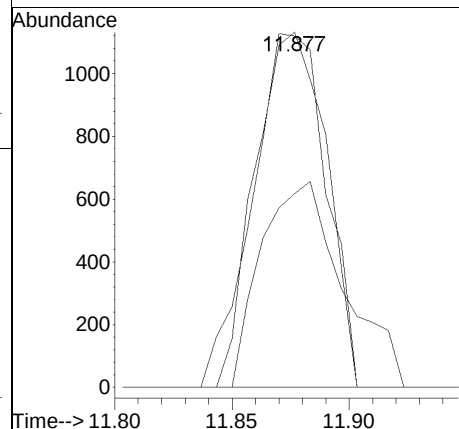
Tgt Ion	Ratio	Lower	Upper
56	100		
84	73.7	65.4	98.0
41	61.1	48.2	72.4

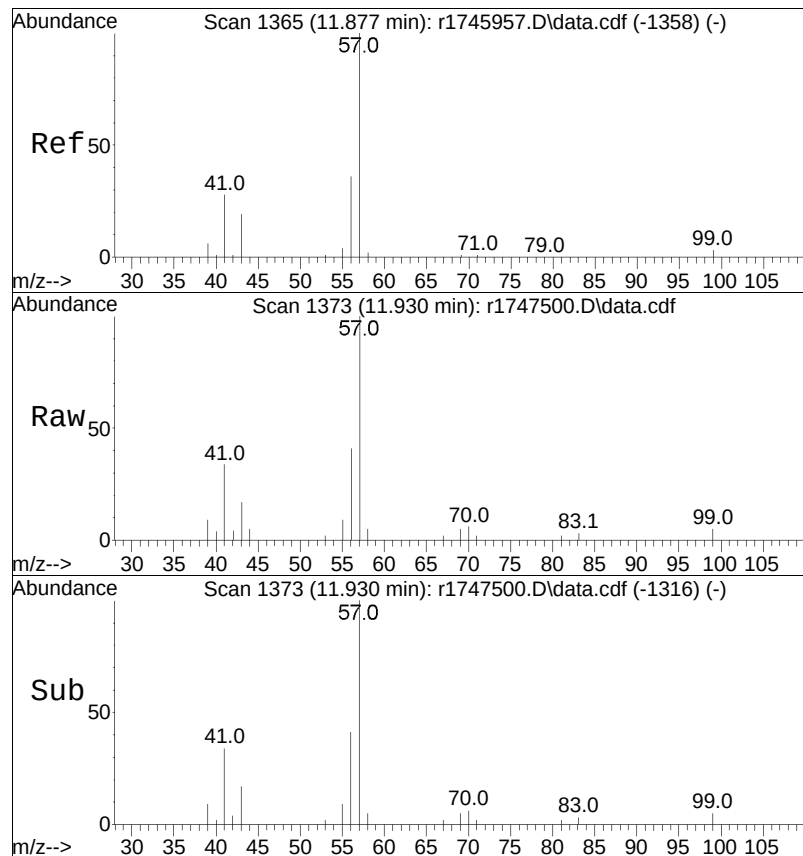




#59
 trichloroethene
 Concen: 0.12 ppbV
 RT: 11.877 min Scan# 1365
 Delta R.T. 0.053 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

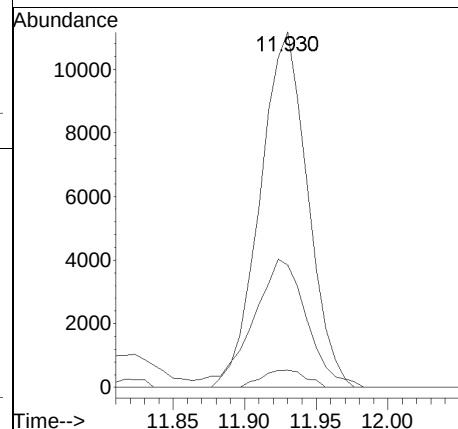
Tgt Ion:	130	Resp:	2382
Ion Ratio	Lower	Upper	
130	100		
132	98.9	75.5	113.3
97	54.5	45.9	68.9

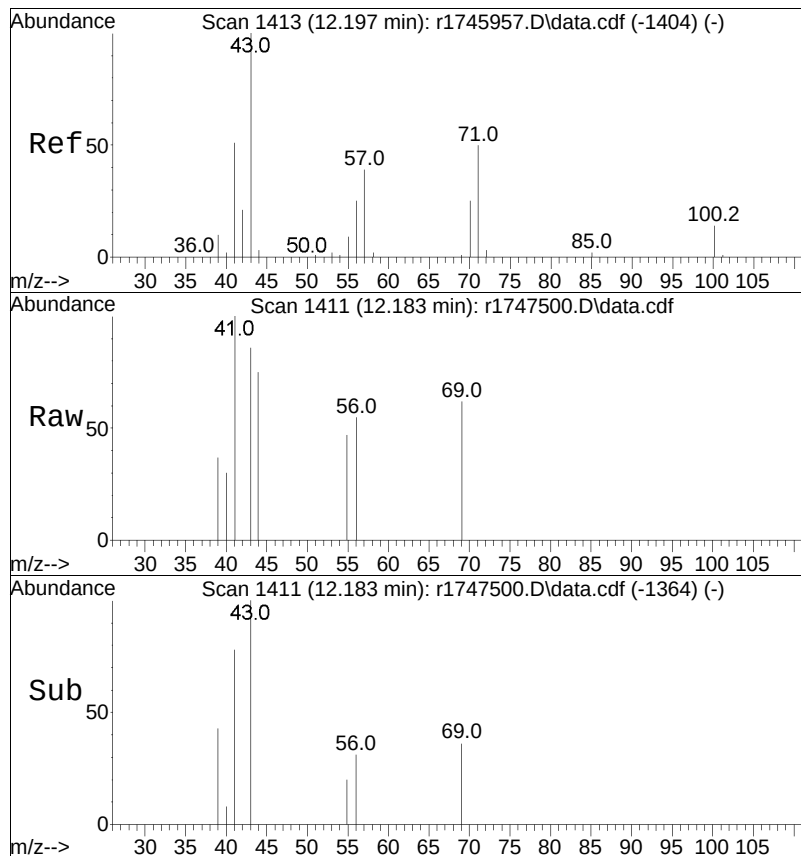




#60
 2,2,4-trimethylpentane
 Concen: 0.38 ppbV
 RT: 11.930 min Scan# 1373
 Delta R.T. 0.053 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

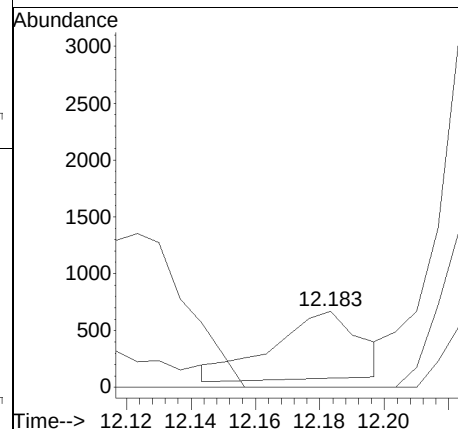
Tgt Ion:	57	Resp:	25840
Ion Ratio	Lower	Upper	
57	100		
99	4.8	4.6	6.8
41	34.4	22.3	33.5#

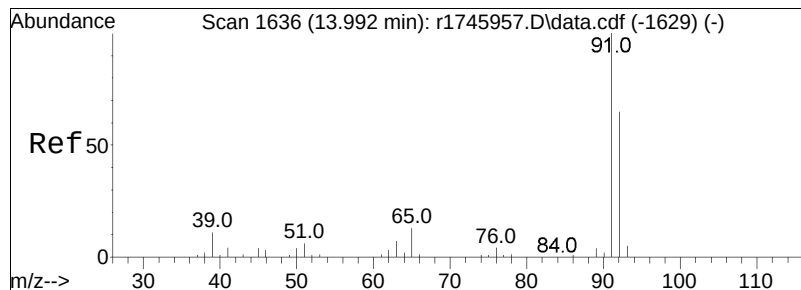




#62
 heptane
 Concen: 0.04 ppbV
 RT: 12.183 min Scan# 1411
 Delta R.T. -0.013 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

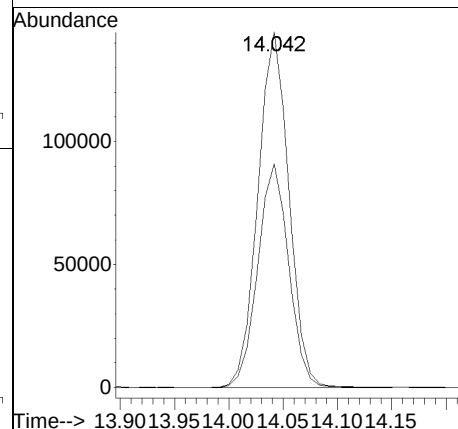
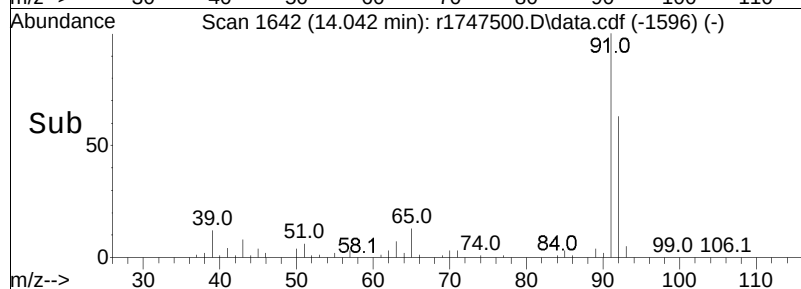
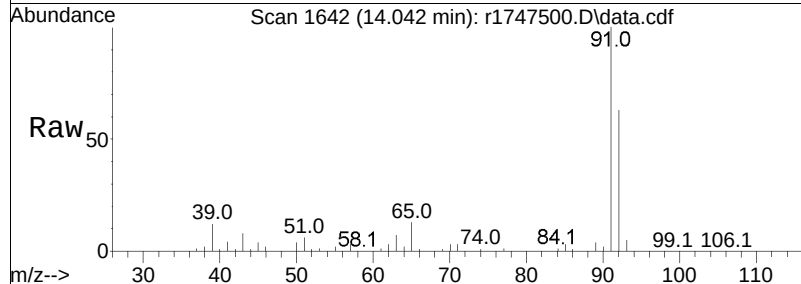
Tgt Ion:	43	Resp:	1122
Ion Ratio	Lower	Upper	
43	100		
57	0.0	31.1	46.7#
100	0.0	11.4	17.2#

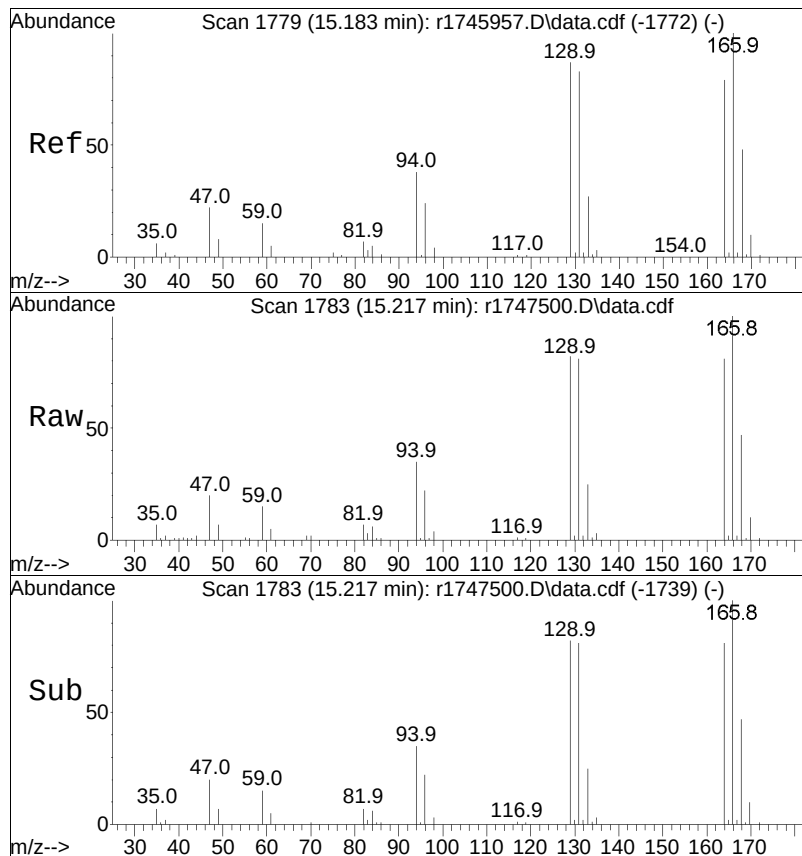




#68
toluene
Concen: 4.83 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

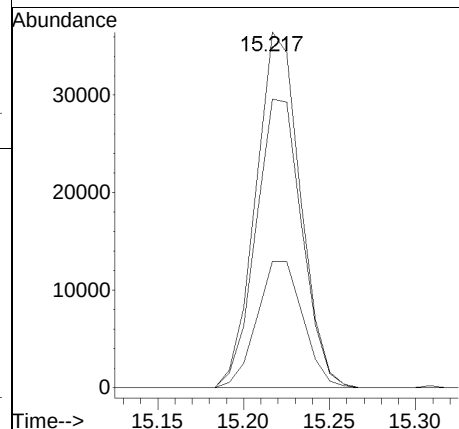
Tgt	Ion	Resp	Lower	Upper
91	100	286364		
92	63.0	51.7	77.5	

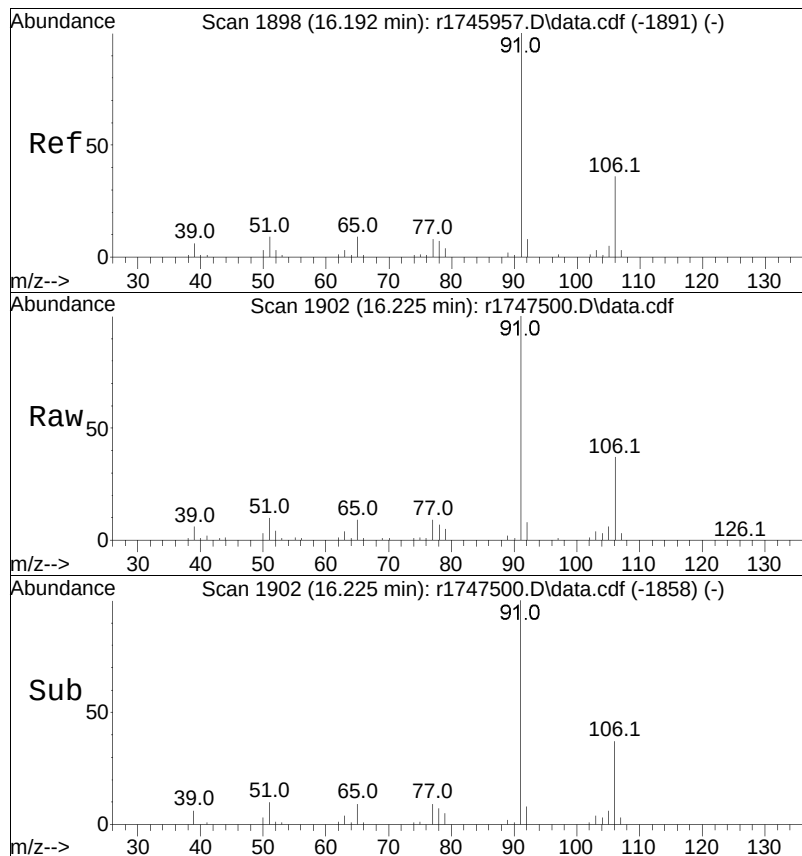




#78
 tetrachloroethene
 Concen: 2.71 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

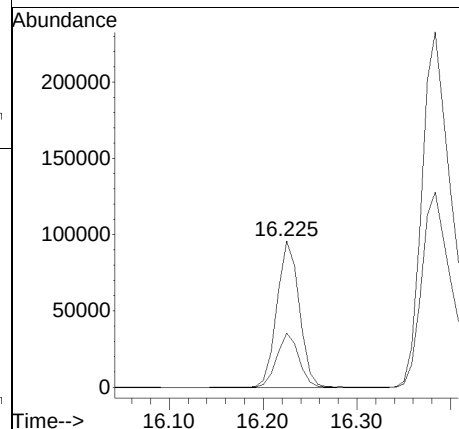
Tgt	Ion:166	Resp:	65665
Ion	Ratio	Lower	Upper
166	100		
131	81.1	66.4	99.6
94	35.4	30.1	45.1

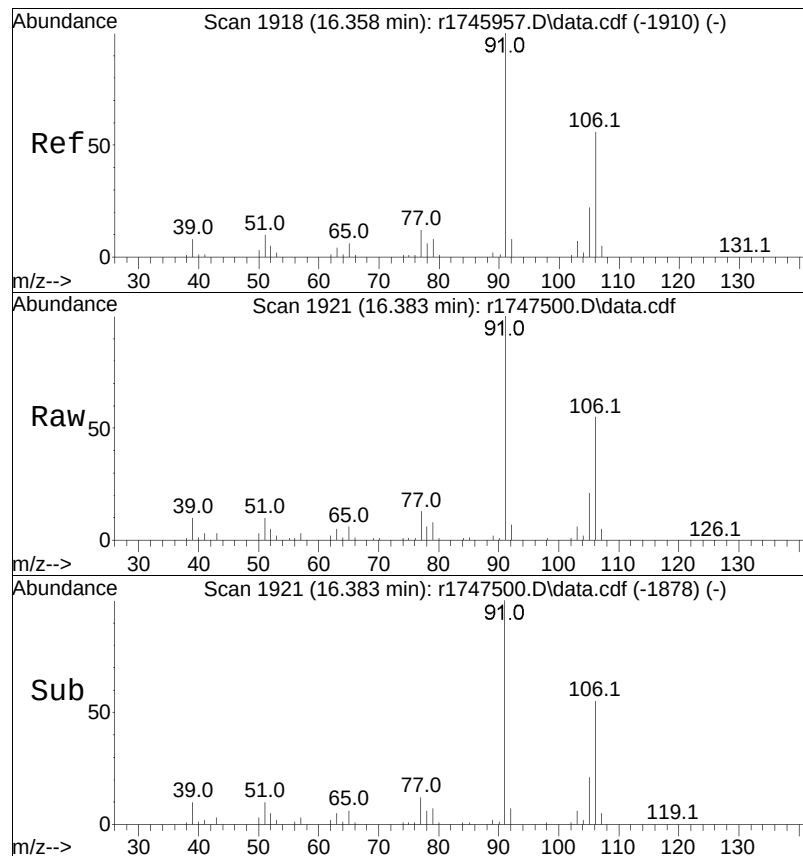




#81
ethylbenzene
Concen: 2.11 ppbV
RT: 16.225 min Scan# 1902
Delta R.T. 0.033 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

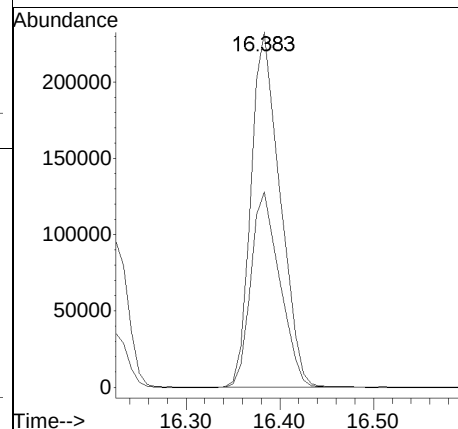
Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.1	28.5	42.7

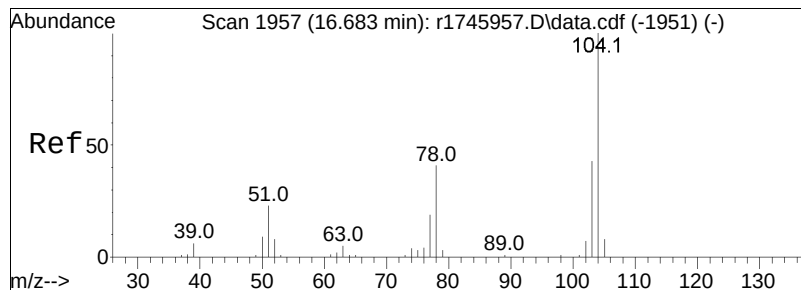




#83
 m+p-xylene
 Concen: 8.33 ppbV
 RT: 16.383 min Scan# 1921
 Delta R.T. 0.025 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

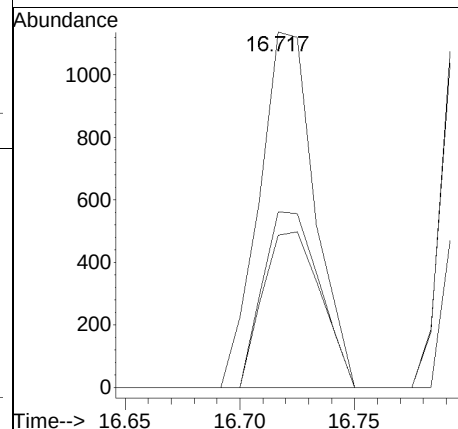
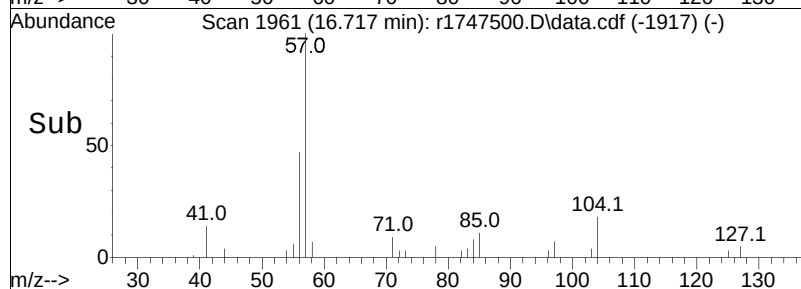
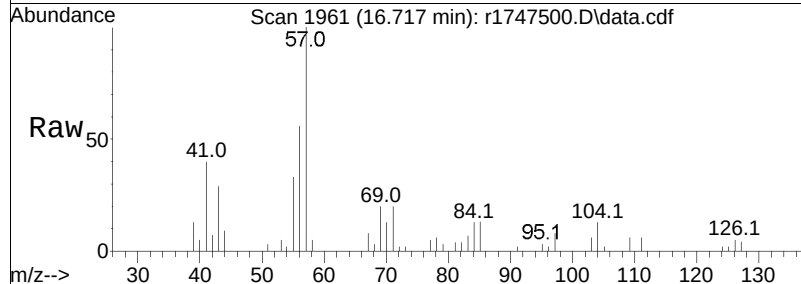
Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.0	44.7	67.1

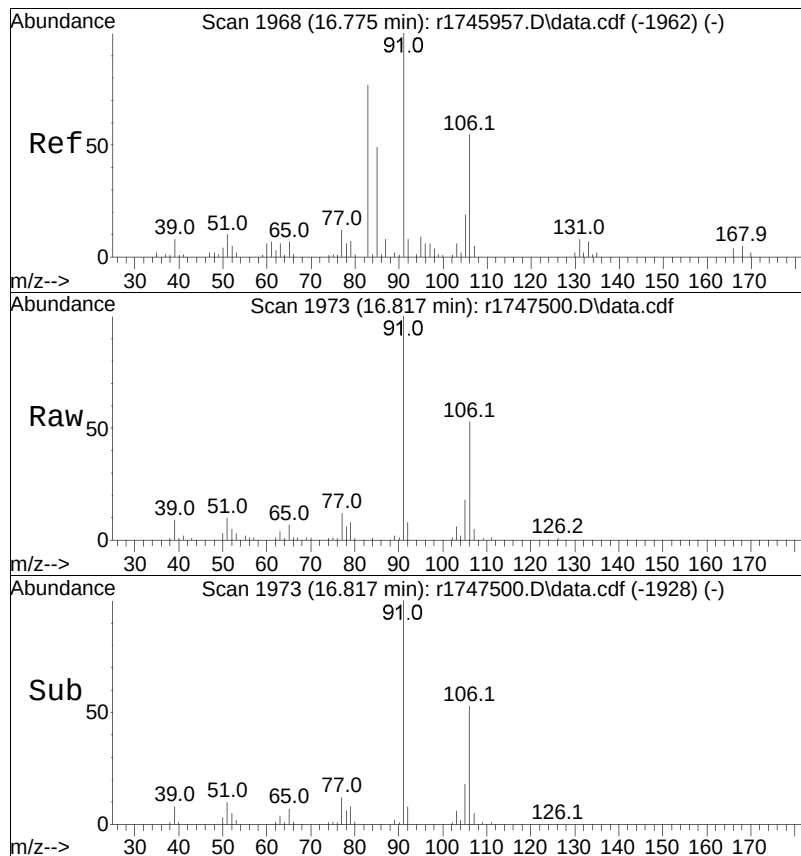




#85
styrene
Concen: 0.04 ppbV
RT: 16.717 min Scan# 1961
Delta R.T. 0.033 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

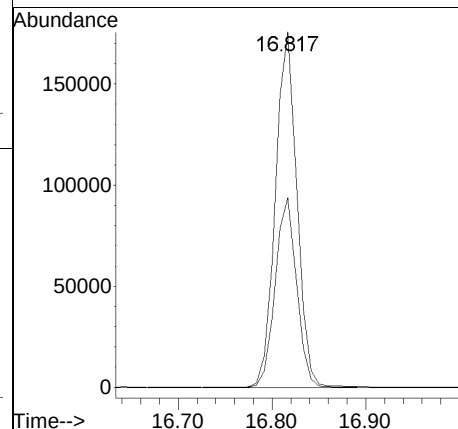
Tgt Ion	Ratio	Lower	Upper
104	100		
103	42.8	34.1	51.1
78	49.4	32.7	49.1#

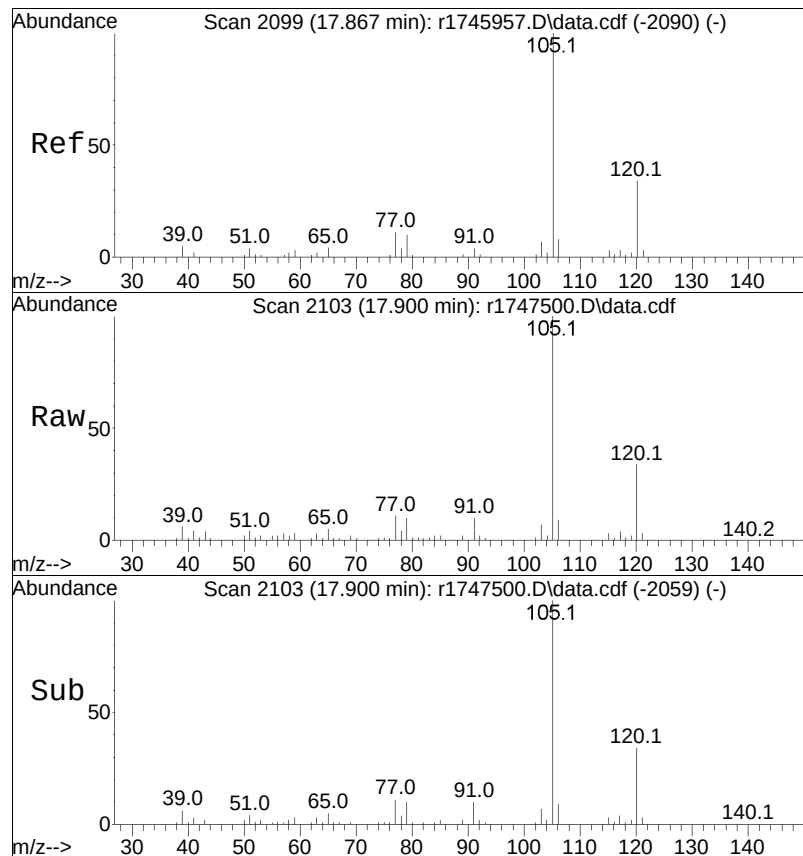




#87
o-xylene
Concen: 4.66 ppbV
RT: 16.817 min Scan# 1973
Delta R.T. 0.042 min
Lab File: r1747500.D
Acq: 7 Mar 2025 4:30 AM

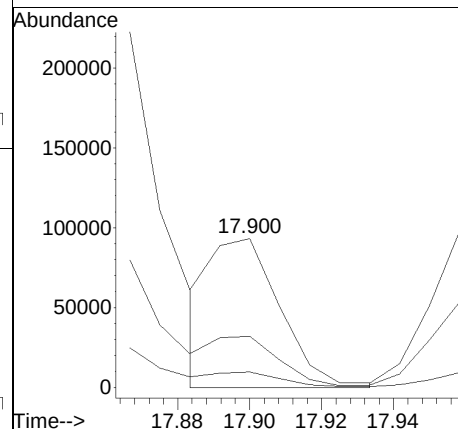
Tgt Ion	Ratio	Lower	Upper
91	100		
106	53.4	43.9	65.9

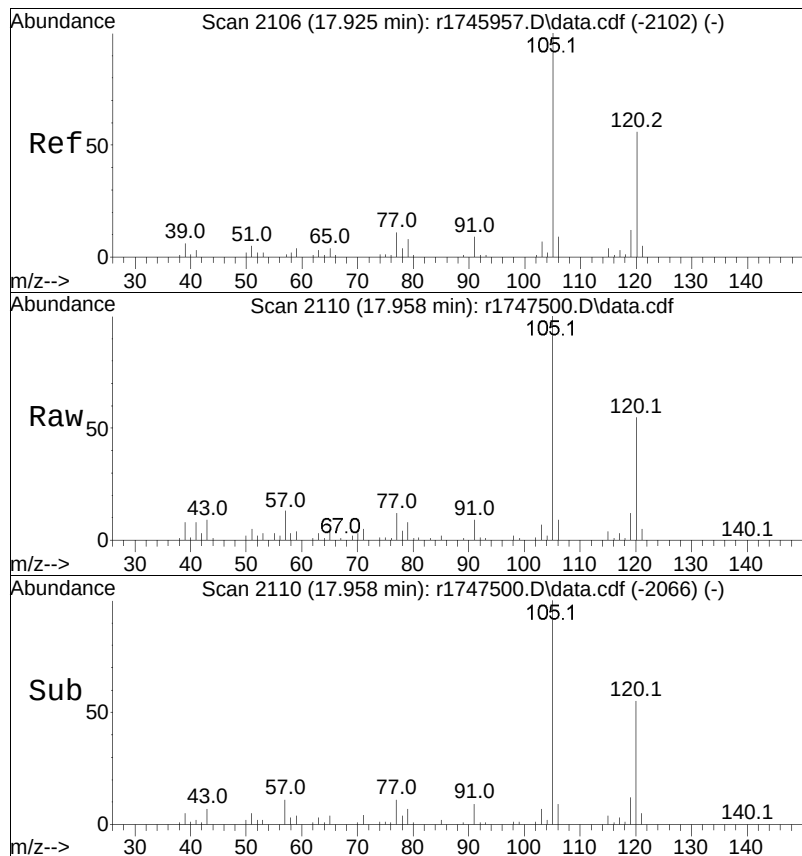




#96
 4-ethyl toluene
 Concen: 1.55 ppbV m
 RT: 17.900 min Scan# 2103
 Delta R.T. 0.033 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

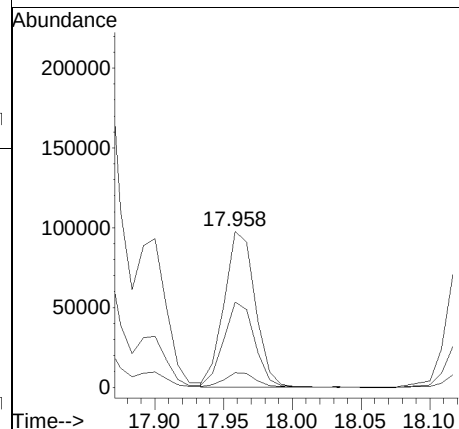
Tgt Ion:	105	Resp:	126030
Ion Ratio	Lower	Upper	
105	100		
120	34.4	26.9	40.3
91	10.4	7.8	11.6

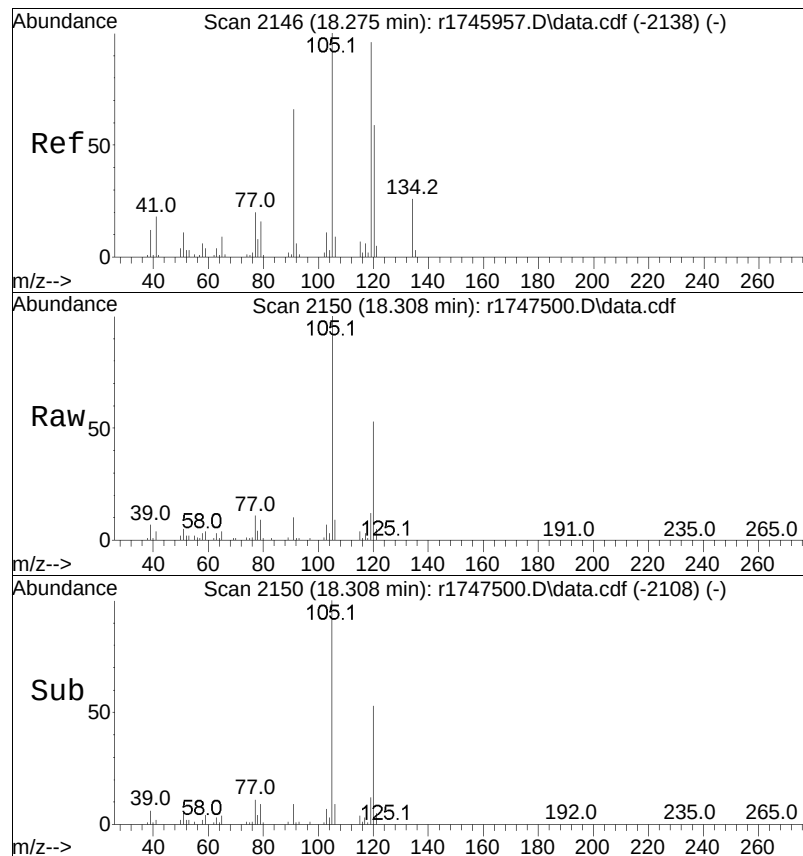




#97
 1,3,5-trimethylbenzene
 Concen: 2.25 ppbV
 RT: 17.958 min Scan# 2110
 Delta R.T. 0.033 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

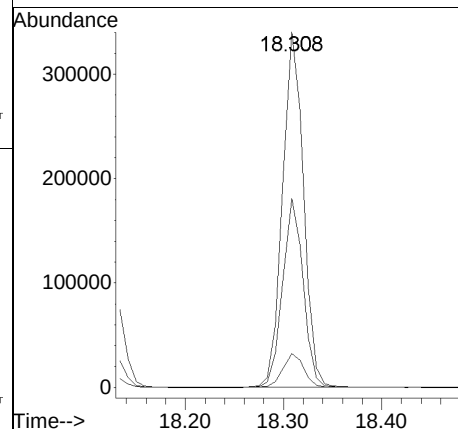
Tgt Ion:	105	Resp:	154763
Ion Ratio	Lower	Upper	
105	100		
120	54.7	44.6	66.8
91	9.5	7.4	11.0





#99
 1,2,4-trimethylbenzene
 Concen: 7.40 ppbV
 RT: 18.308 min Scan# 2150
 Delta R.T. 0.033 min
 Lab File: r1747500.D
 Acq: 7 Mar 2025 4:30 AM

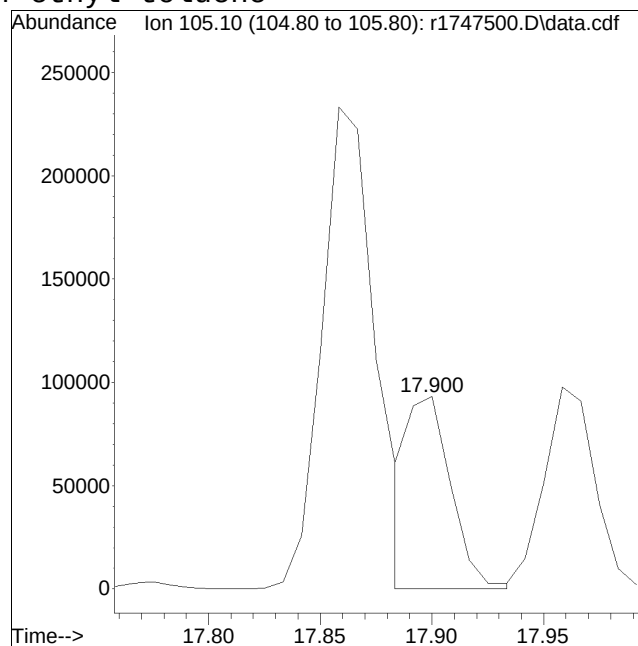
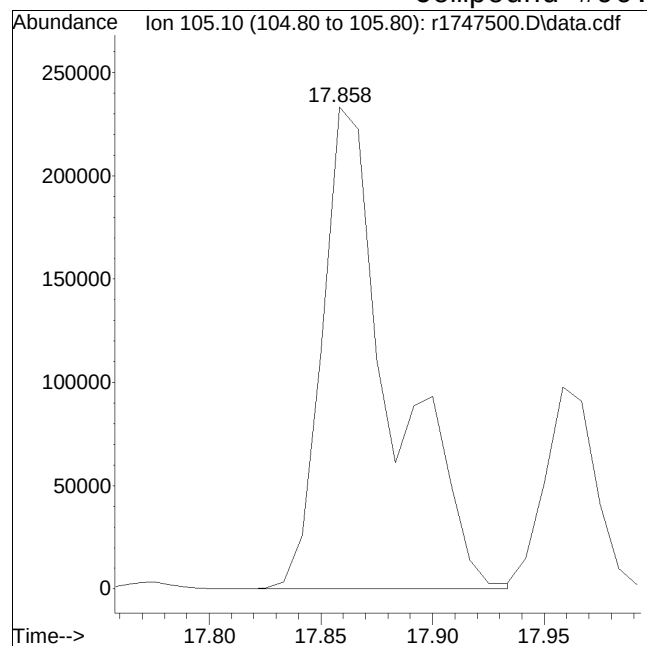
Tgt	Ion	Ratio	Resp	Lower	Upper
105	100		504300		
120	53.2	47.1	70.7		
91	9.5	53.0	79.4		



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747500.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 4:30 AM Instrument :
Sample : L2509499-09D,3,100,250 Quant Date : 3/7/2025 7:49 am

Compound #96: 4-ethyl toluene



Original Peak Response = 512007

Manual Peak Response = 126030 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\Airlab17\2025\03\0306T\
 Data File : r1747501.D
 Acq On : 7 Mar 2025 5:06 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-10D,3,0.23,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:50:47 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.867	49	253625	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		97.76%	
43) 1,4-difluorobenzene	11.077	114	645556	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		91.38%	
67) chlorobenzene-D5	15.833	54	105161	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		98.86%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	1519	0.060	ppbV	96
6) chloromethane	4.060		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	4.984	31	6699	0.702	ppbV	88
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.497	43	15985	0.821	ppbV #	95
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	5.760	45	27852	1.131	ppbV	100
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.492		0	N.D.		
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.792		0	N.D.		
31) Freon 113	0.000		0	N.D.		
32) trans-1,2-dichloroethene	7.525	61	728	0.039	ppbV #	91
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.208		0	N.D.		
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.017	83	1686	0.070	ppbV #	87
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.942	57	3188	0.153	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747501.D
 Acq On : 7 Mar 2025 5:06 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-10D,3,0.23,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:50:47 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.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	10.650		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	11.863	130	4104	0.200	ppbV	84
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	0.000		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	14.033		0	N.D.		
72) 2-hexanone	0.000		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.217	166	1315533	53.678	ppbV	99
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.233		0	N.D.		
83) m+p-xylene	16.392		0	N.D.		
84) bromoform	0.000		0	N.D.		
85) styrene	0.000		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.817		0	N.D.		
96) 4-ethyl toluene	17.875		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.317		0	N.D.		
101) Benzyl Chloride	0.000		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	0.000		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\Airlab17\2025\03\0306T\
 Data File : r1747501.D
 Acq On : 7 Mar 2025 5:06 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-10D,3,0.23,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:50:47 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747501.D

Acq On : 7 Mar 2025 5:06 AM

Operator : AIRLAB17:TPH

Sample : L2509499-10D,3,0.23,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

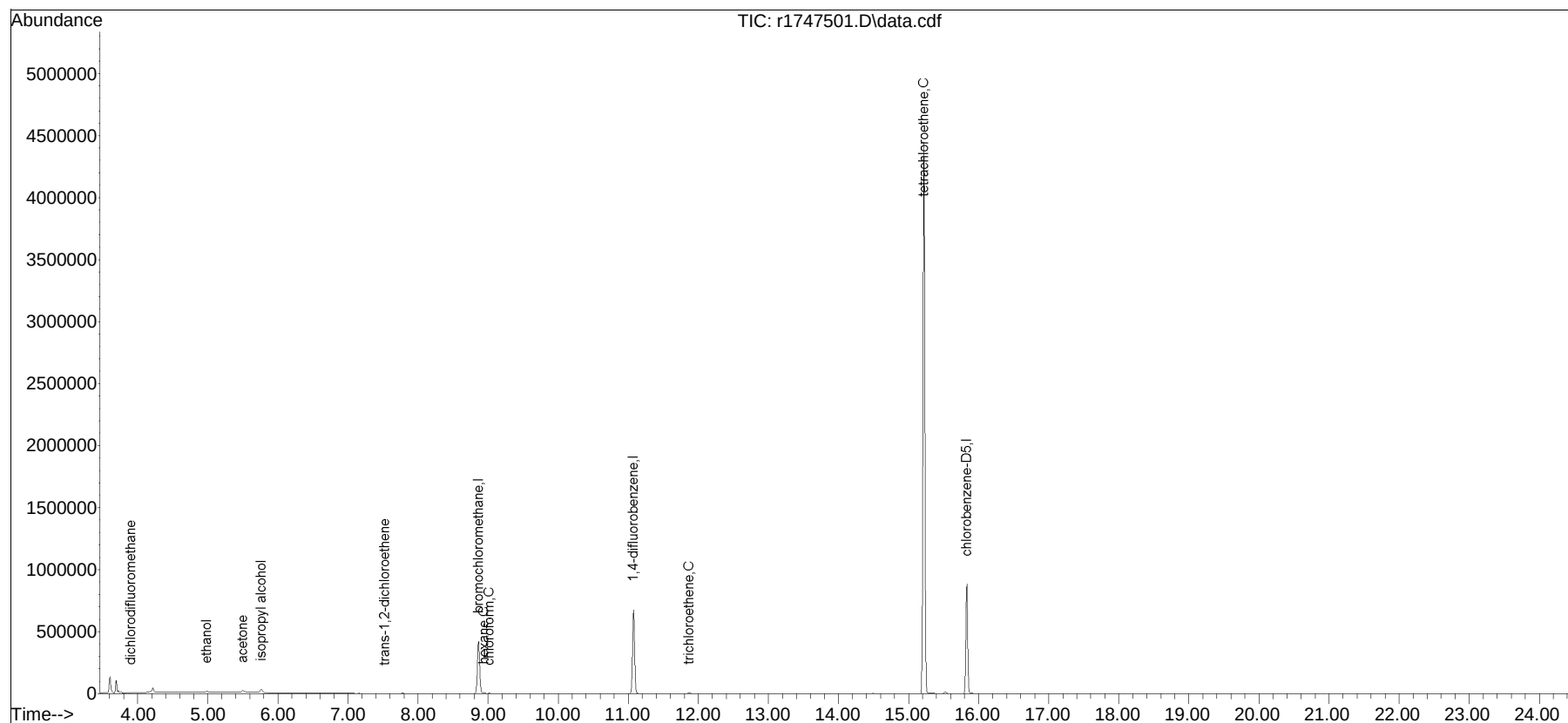
Quant Time: Mar 07 07:50:47 2025

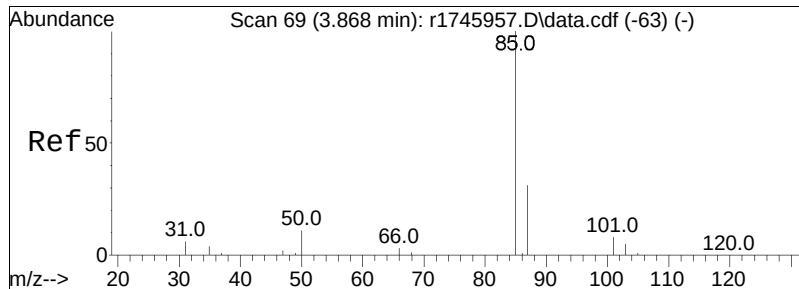
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

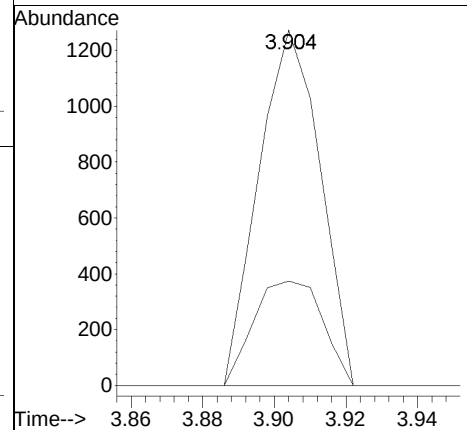
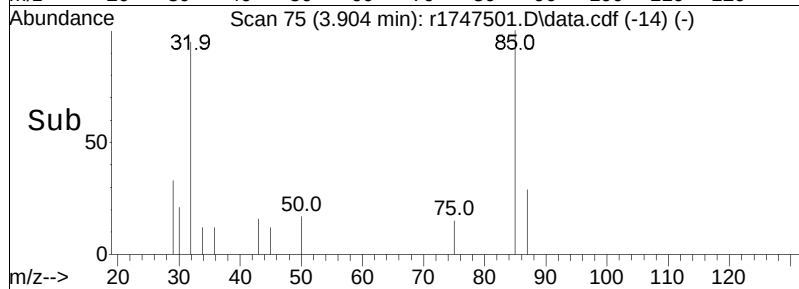
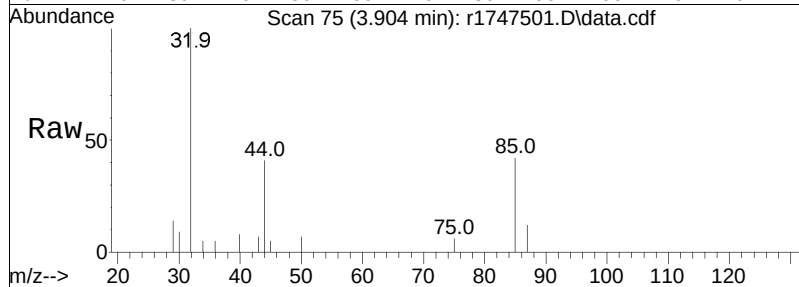
Response via : Initial Calibration

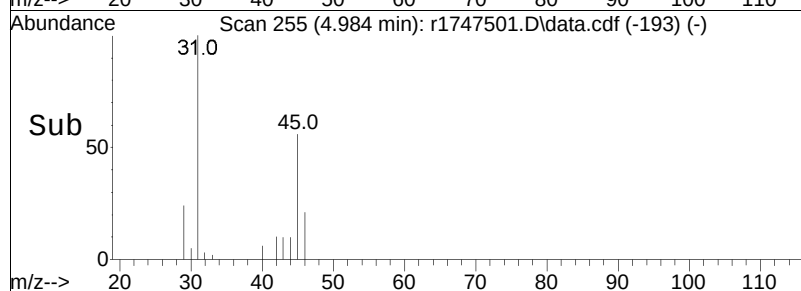
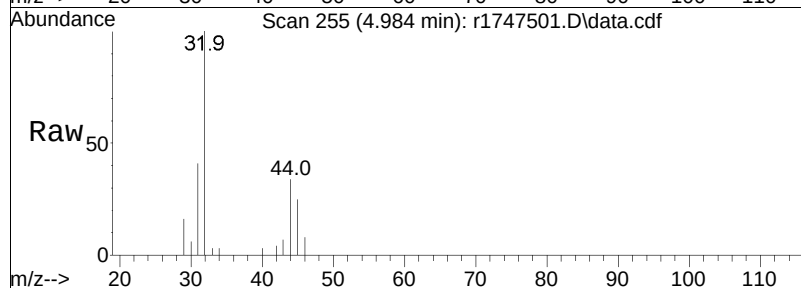
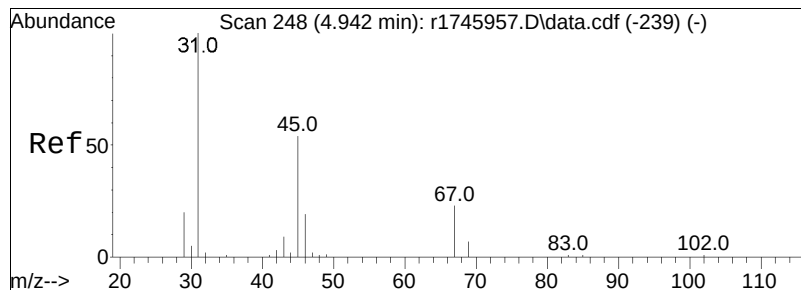




#5
 dichlorodifluoromethane
 Concen: 0.06 ppbV
 RT: 3.904 min Scan# 75
 Delta R.T. 0.036 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

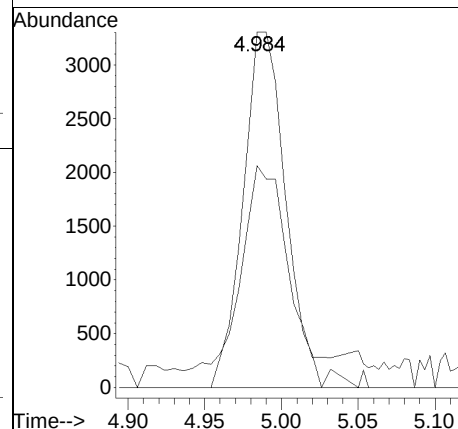
Tgt Ion: 85 Resp: 1519
 Ion Ratio Lower Upper
 85 100
 87 29.4 25.2 37.8

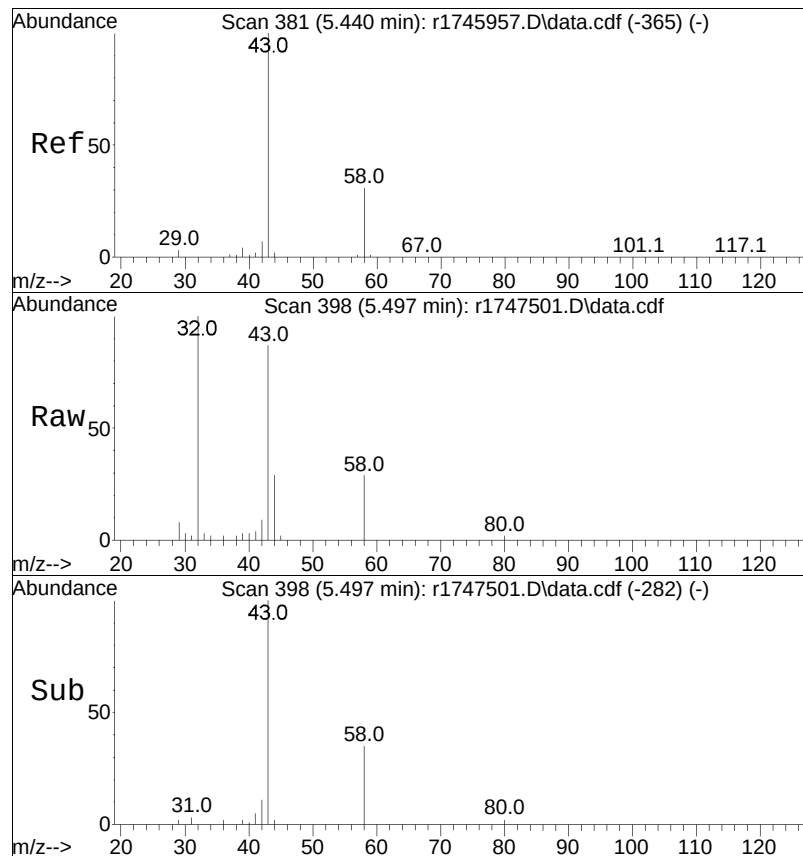




#15
ethanol
Concen: 0.70 ppbV
RT: 4.984 min Scan# 255
Delta R.T. 0.042 min
Lab File: r1747501.D
Acq: 7 Mar 2025 5:06 AM

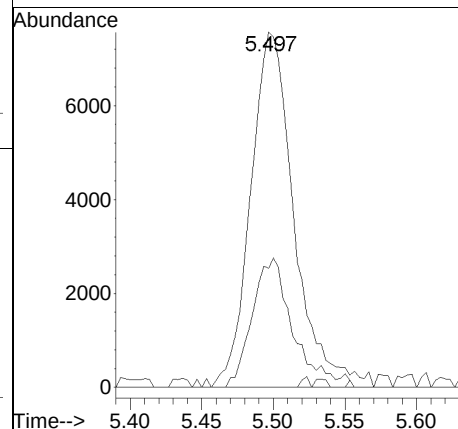
Tgt Ion	Ratio	Lower	Upper
31	100		
45	62.4	43.0	64.6

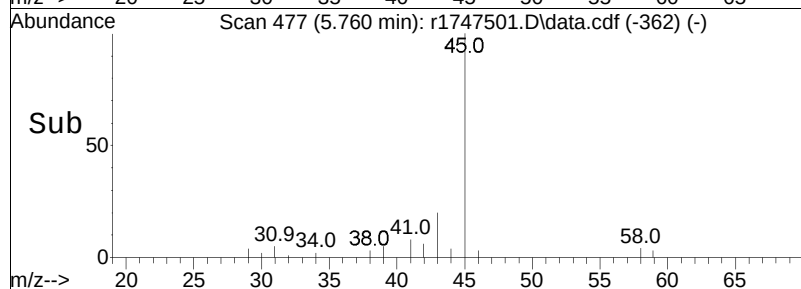
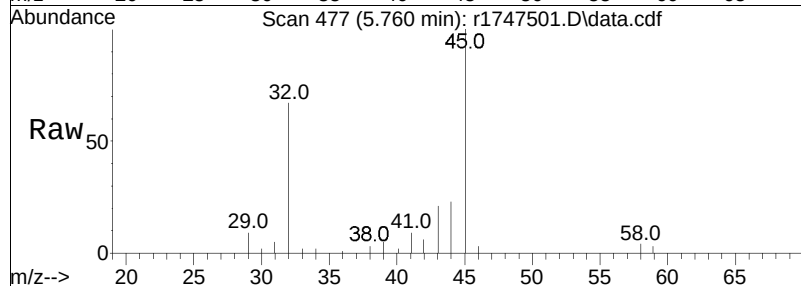
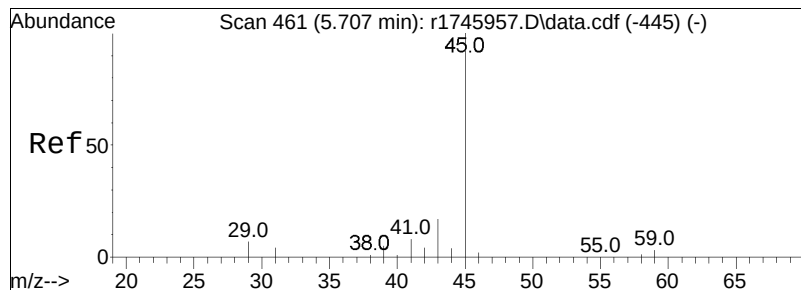




#19
 acetone
 Concen: 0.82 ppbV
 RT: 5.497 min Scan# 398
 Delta R.T. 0.057 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

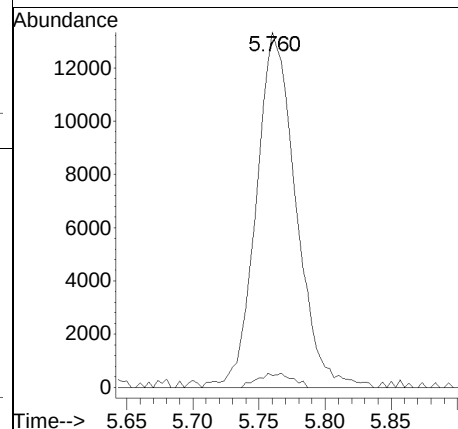
Tgt	Ion: 43	Resp:	15985
Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.7	37.1
57	0.0	0.6	0.8#

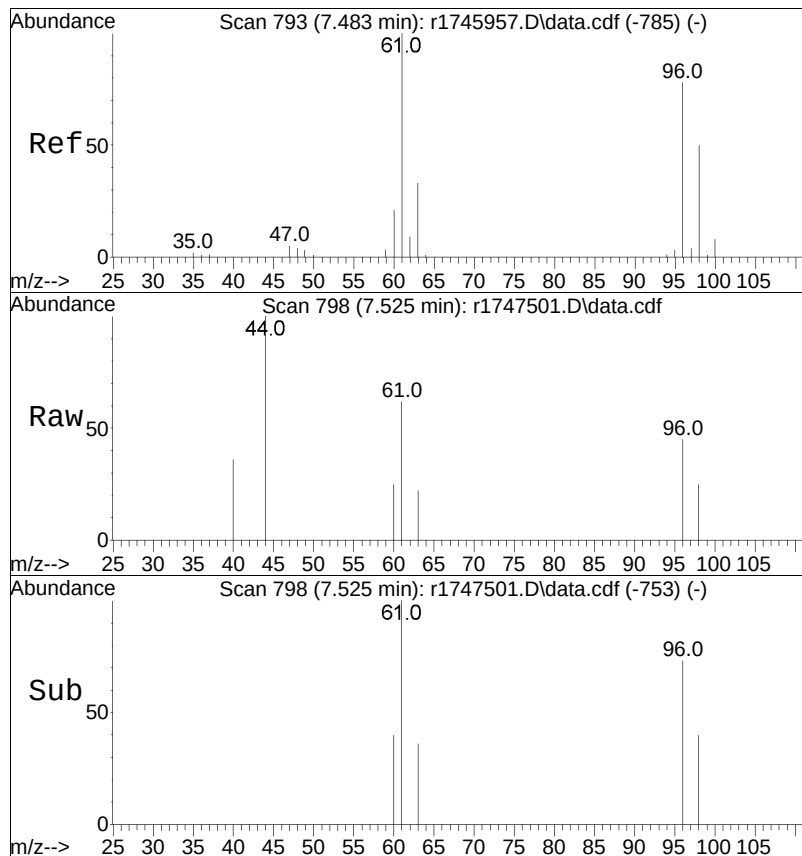




#22
isopropyl alcohol
Concen: 1.13 ppbV
RT: 5.760 min Scan# 477
Delta R.T. 0.053 min
Lab File: r1747501.D
Acq: 7 Mar 2025 5:06 AM

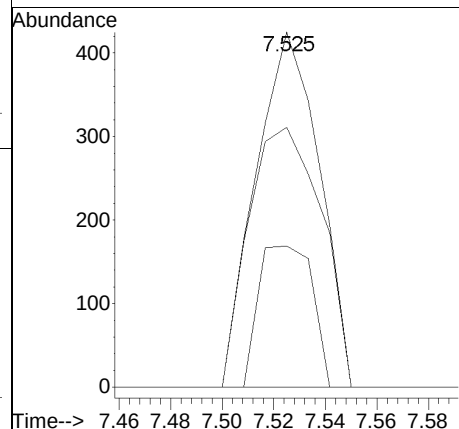
Tgt	Ion	Ratio	Lower	Upper
45	100			
59	3.4		2.6	4.0

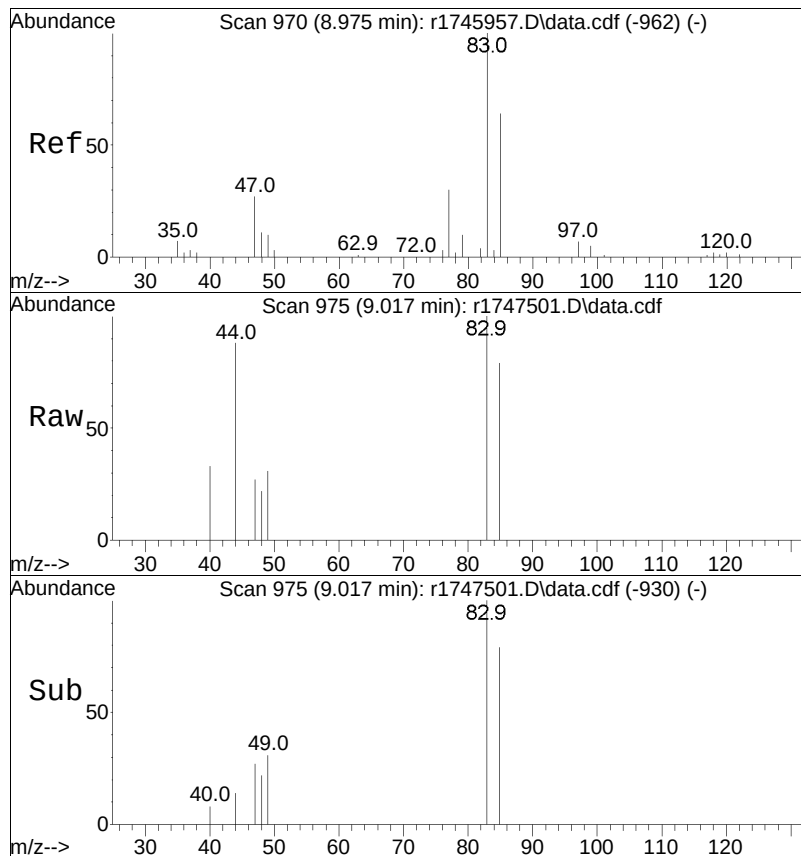




#32
 trans-1,2-dichloroethene
 Concen: 0.04 ppbV
 RT: 7.525 min Scan# 798
 Delta R.T. 0.042 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

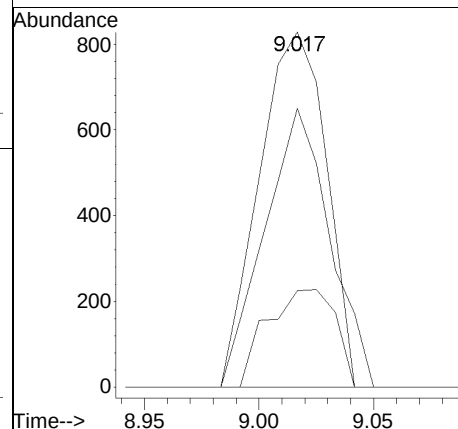
Tgt Ion:	61	Resp:	728
Ion Ratio	Lower	Upper	
61	100		
96	73.2	62.1	93.1
98	39.8	40.0	60.0#

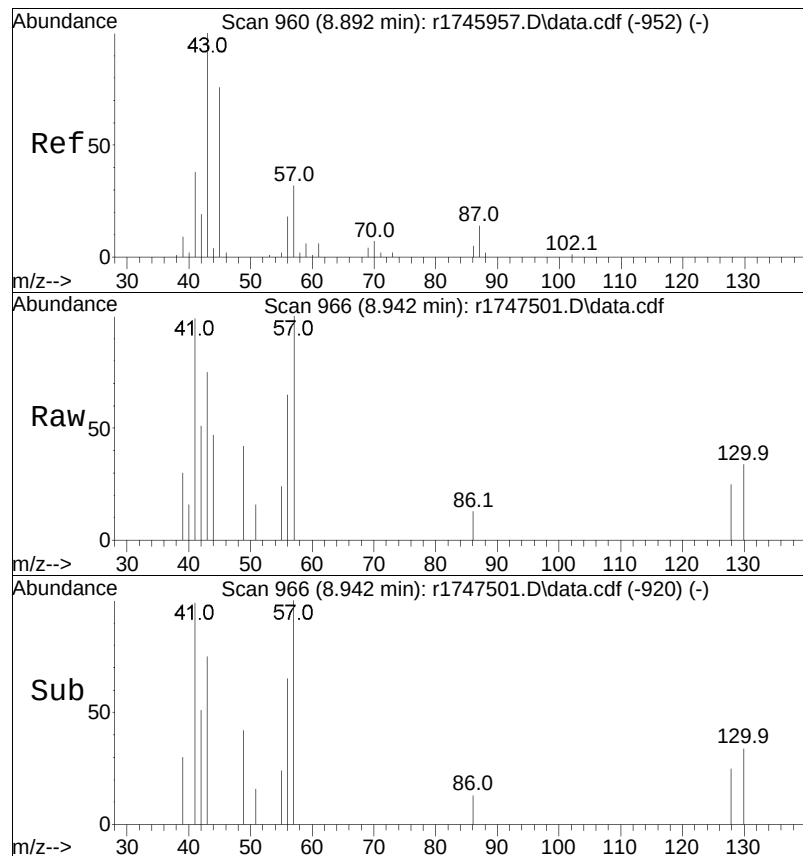




#39
chloroform
Concen: 0.07 ppbV
RT: 9.017 min Scan# 975
Delta R.T. 0.042 min
Lab File: r1747501.D
Acq: 7 Mar 2025 5:06 AM

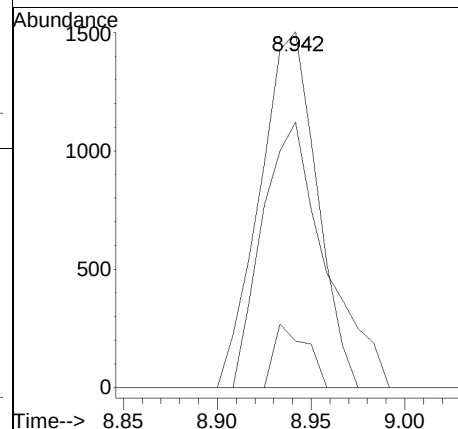
Tgt	Ion	Ratio	Lower	Upper
83	100			
85	78.5	51.6	77.4#	
47	27.2	21.4	32.2	

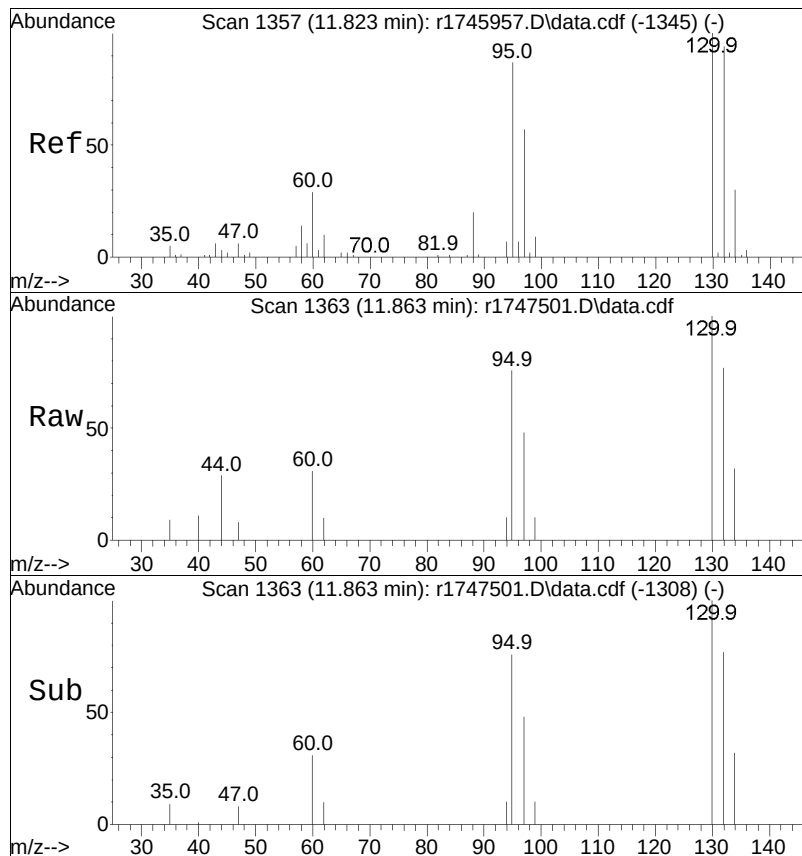




#44
 hexane
 Concen: 0.15 ppbV
 RT: 8.942 min Scan# 966
 Delta R.T. 0.050 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

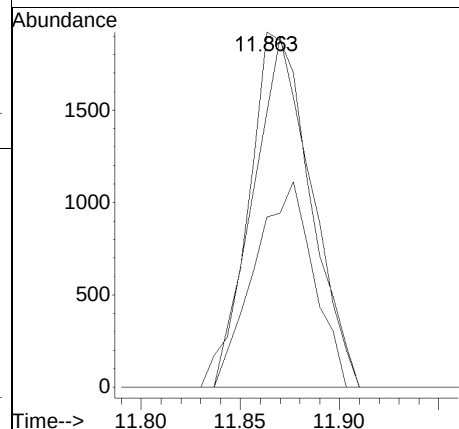
Tgt	Ion	Resp	Lower	Upper
57	100	3188		
43	74.6	247.4	371.0#	
86	13.0	12.9	19.3	

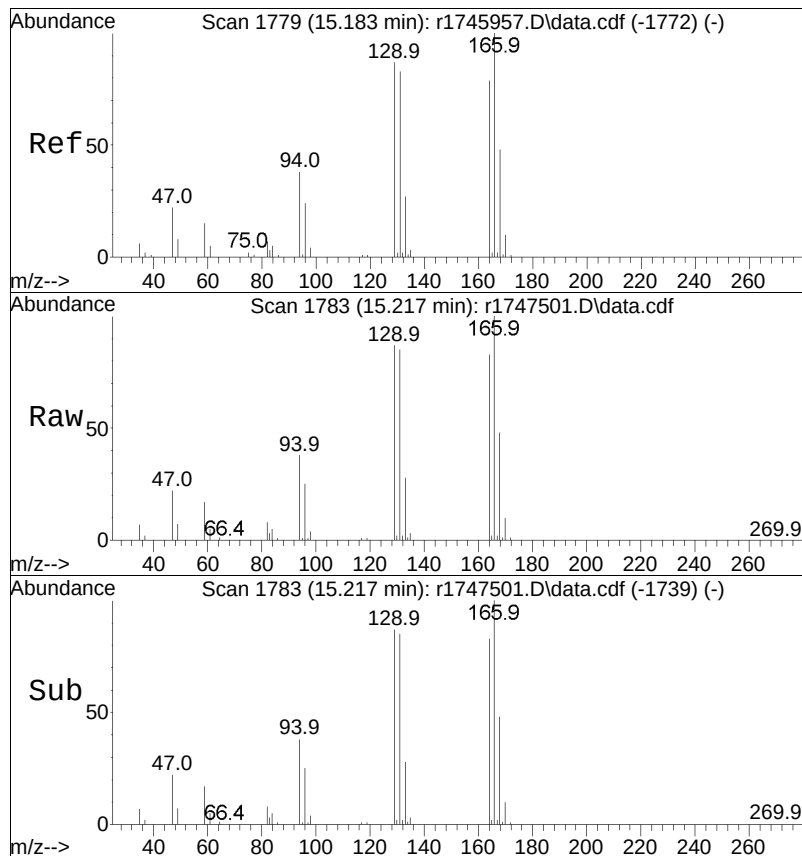




#59
 trichloroethene
 Concen: 0.20 ppbV
 RT: 11.863 min Scan# 1363
 Delta R.T. 0.040 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

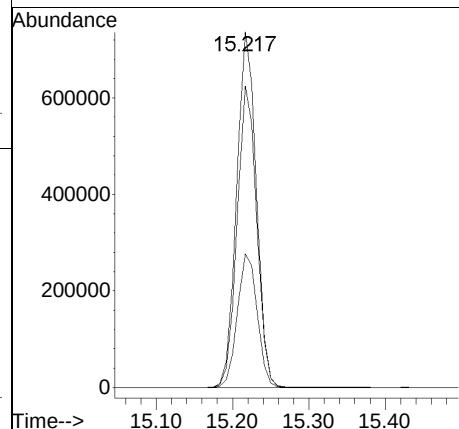
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		4104		
132	77.4	75.5	113.3		
97	47.9	45.9	68.9		





#78
 tetrachloroethene
 Concen: 53.68 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747501.D
 Acq: 7 Mar 2025 5:06 AM

Tgt Ion:	166	Resp:	1315533
Ion Ratio	Lower	Upper	
166	100		
131	84.8	66.4	99.6
94	37.6	30.1	45.1



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747501.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 5:06 AM Instrument :
Sample : L2509499-10D,3,0.23,250 Quant Date : 3/7/2025 7:50 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747502.D
 Acq On : 7 Mar 2025 5:44 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-11,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.867	49	241562	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		93.11%	
43) 1,4-difluorobenzene	11.077	114	623168	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		88.21%	
67) chlorobenzene-D5	15.825	54	100501	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		94.48%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	36055	1.494	ppbV	98
6) chloromethane	4.060	50	1925	0.147	ppbV #	87
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.	d	
15) ethanol	4.984	31	28289	3.113	ppbV #	82
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	57645M6	3.108	ppbV	
21) trichlorofluoromethane	5.673	101	4616	0.216	ppbV	98
22) isopropyl alcohol	5.753	45	67327	2.871	ppbV	100
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.492	49	864	0.051	ppbV	84
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	0.000		0	N.D.	d	
31) Freon 113	6.792	101	2389	0.096	ppbV #	87
32) trans-1,2-dichloroethene	7.525	61	3386	0.193	ppbV	94
33) 1,1-dichloroethane	7.758		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.192	43	18095	0.576	ppbV #	99
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.967	61	1506	0.351	ppbV #	1
39) chloroform	9.017	83	9405	0.409	ppbV	93
40) Tetrahydrofuran	9.475	42	2977	0.161	ppbV	94
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.933	57	15855	0.787	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747502.D
 Acq On : 7 Mar 2025 5:44 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-11,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

48) 1,1,1-trichloroethane	10.133		0	N.D.		
50) benzene	10.650	78	20540	0.469	ppbV	100
52) carbon tetrachloride	10.830	117	1421	0.086	ppbV #	94
53) cyclohexane	10.970		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.723		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.870	130	2190	0.111	ppbV	88
60) 2,2,4-trimethylpentane	11.930		0	N.D.		
62) heptane	12.243	43	3919	0.129	ppbV #	85
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.958		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	14.042	91	108313	1.894	ppbV	96
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	15.217	166	244243	10.428	ppbV	99
80) chlorobenzene	15.867	112	2596	0.054	ppbV	93
81) ethylbenzene	16.225	91	33274	0.453	ppbV	95
83) m+p-xylene	16.383	91	129295	2.228	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.725		0	N.D.		
87) o-xylene	16.817	91	31097	0.534	ppbV	100
96) 4-ethyl toluene	17.900	105	19476M3	0.248	ppbV	
97) 1,3,5-trimethylbenzene	17.958	105	11161	0.168	ppbV	97
99) 1,2,4-trimethylbenzene	18.308	105	73077	1.111	ppbV #	57
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.492		0	N.D.		
103) 1,4-dichlorobenzene	18.492		0	N.D.		
107) 1,2-dichlorobenzene	18.783		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.375	128	7165	0.090	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\Airlab17\2025\03\0306T\
 Data File : r1747502.D
 Acq On : 7 Mar 2025 5:44 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-11,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:22 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747502.D

Acq On : 7 Mar 2025 5:44 AM

Operator : AIRLAB17:TPH

Sample : L2509499-11,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

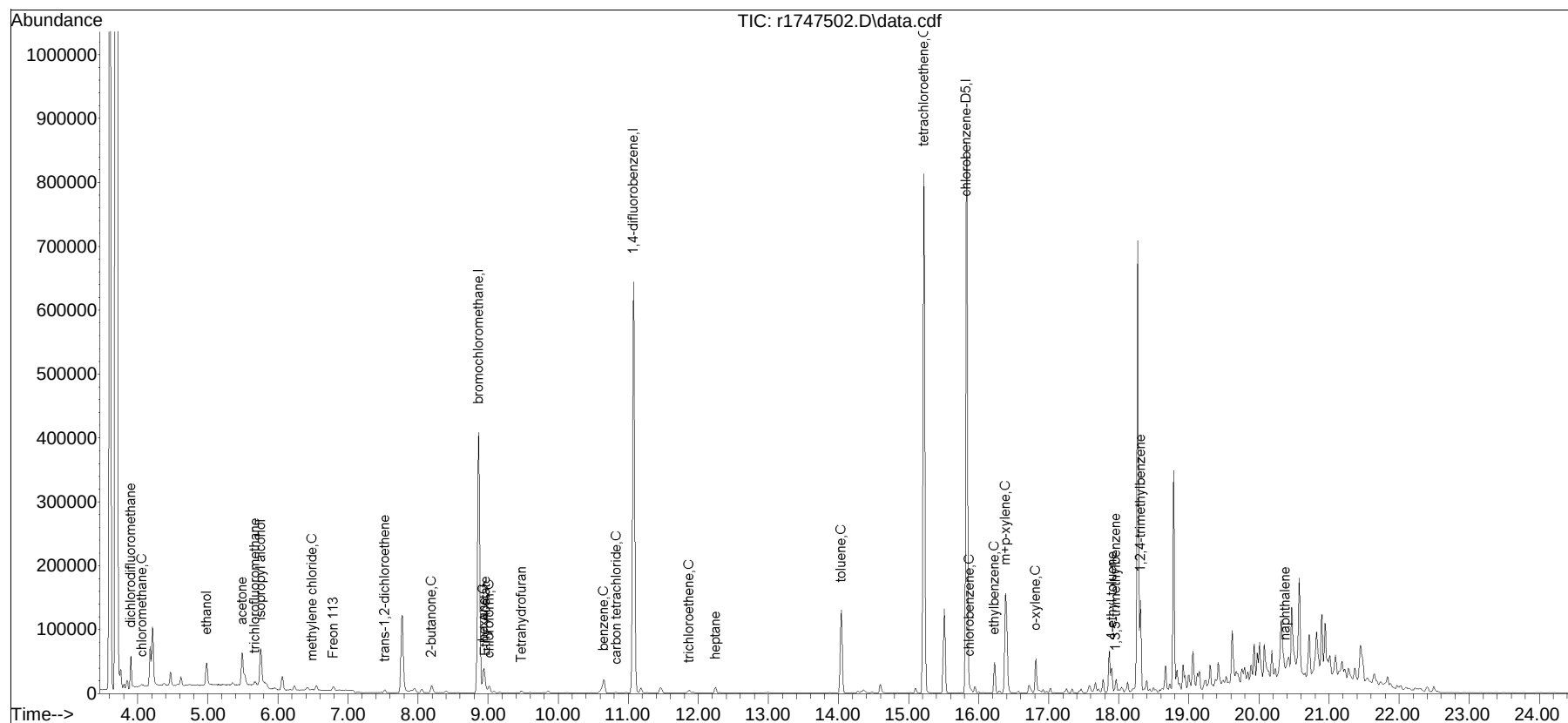
Quant Time: Mar 07 07:51:22 2025

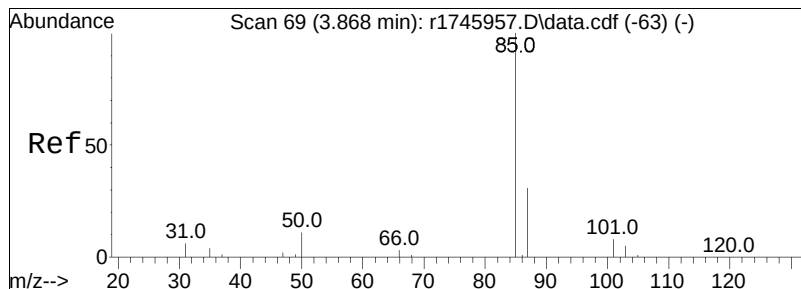
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

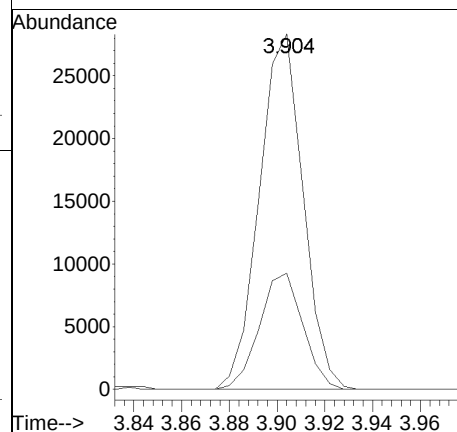
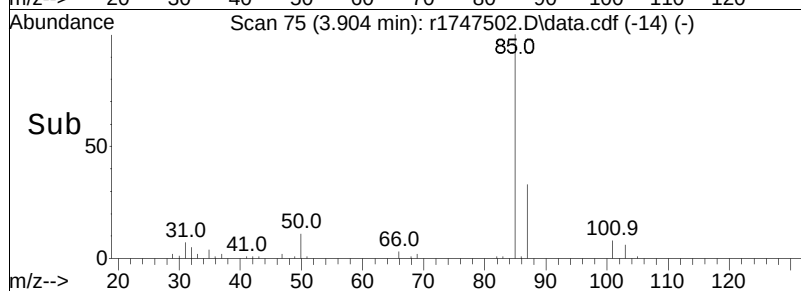
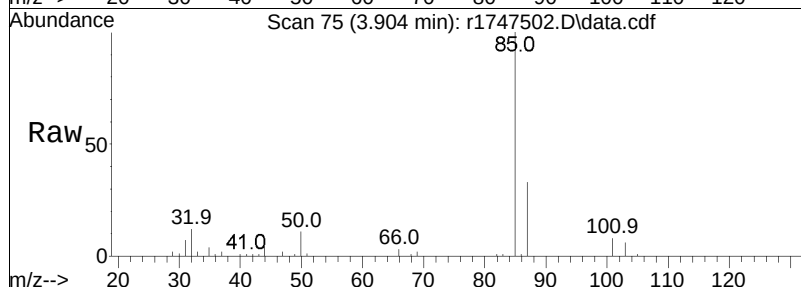
Response via : Initial Calibration

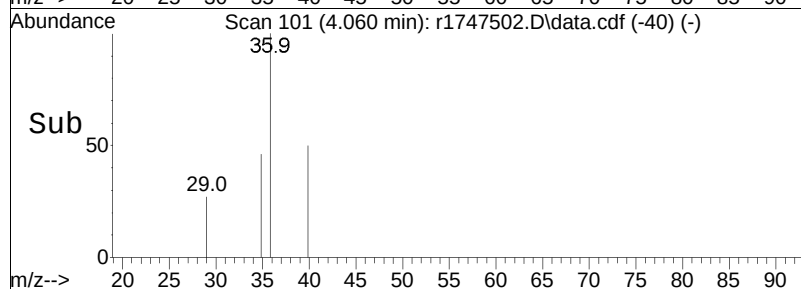
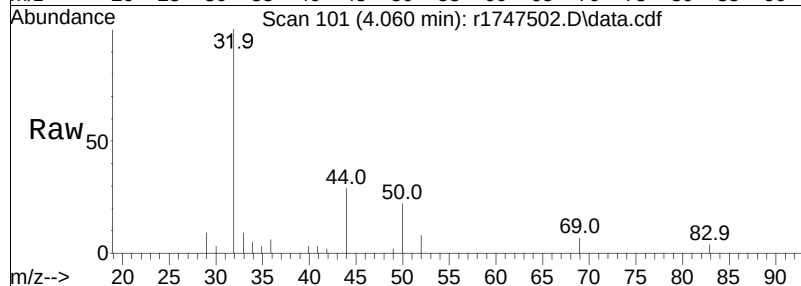
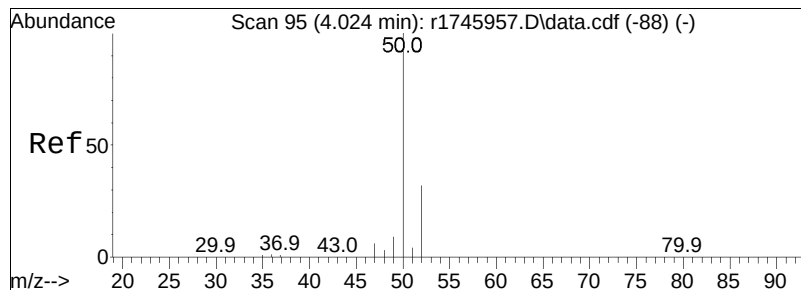




#5
dichlorodifluoromethane
Concen: 1.49 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

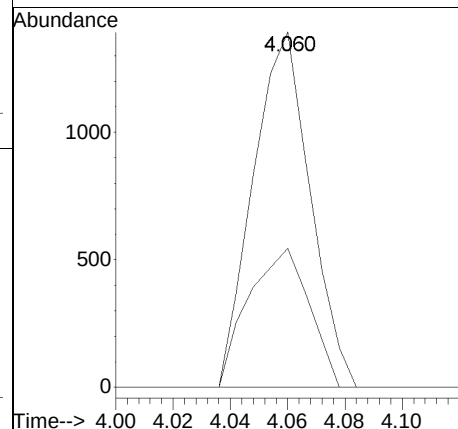
Tgt Ion: 85 Resp: 36055
Ion Ratio Lower Upper
85 100
87 32.7 25.2 37.8

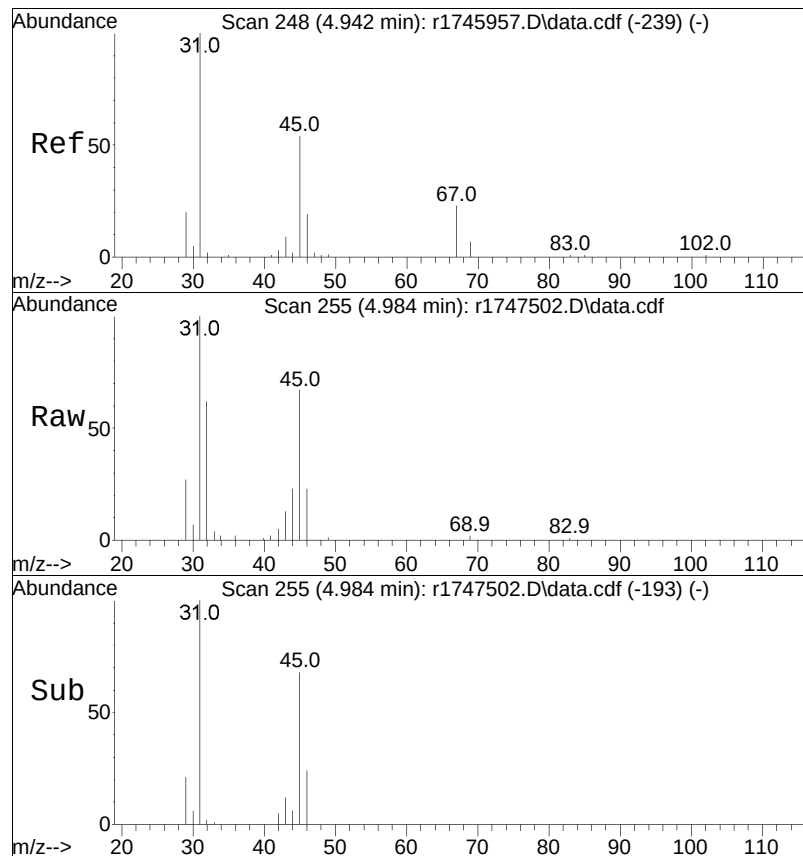




#6
 chloromethane
 Concen: 0.15 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

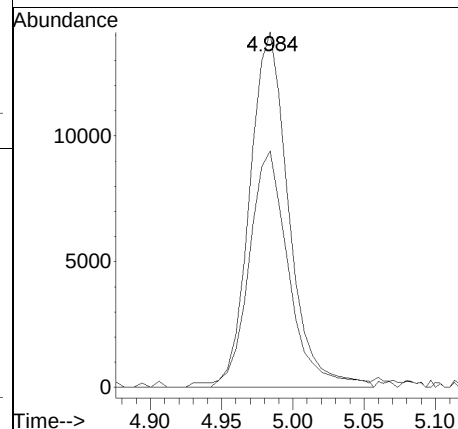
Tgt	Ion	Ratio	Lower	Upper
50	100			
52	39.1	25.4	38.2	

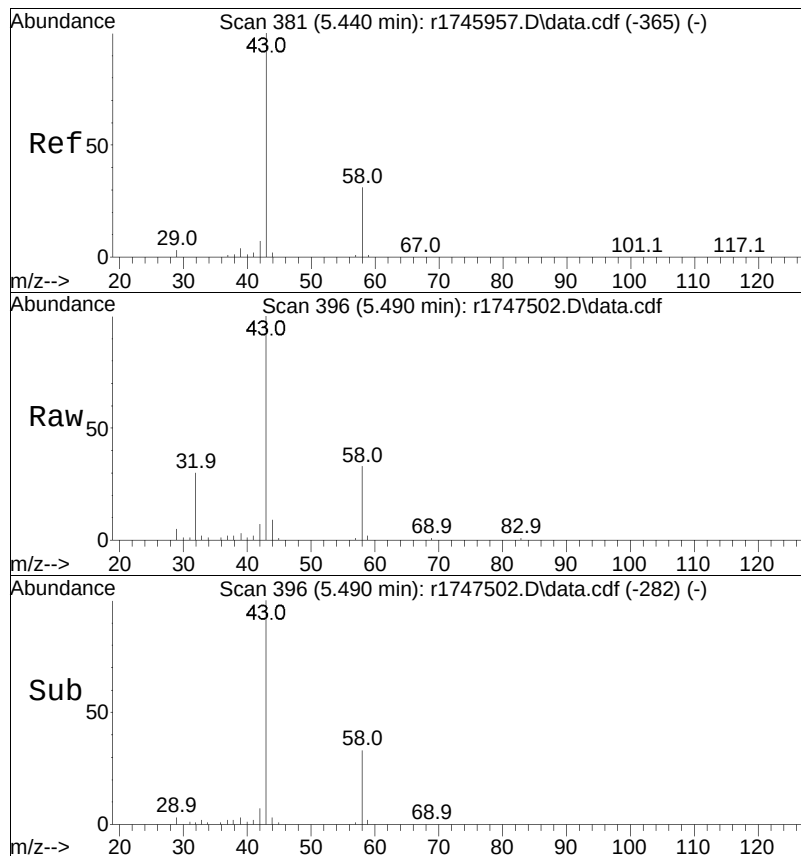




#15
 ethanol
 Concen: 3.11 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

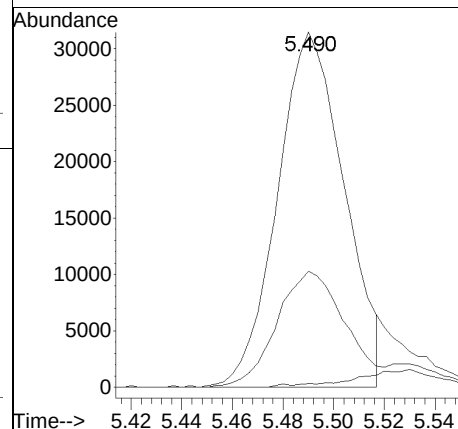
Tgt Ion	Ratio	Resp	Lower	Upper
31	100	28289		
45	66.5		43.0	64.6#

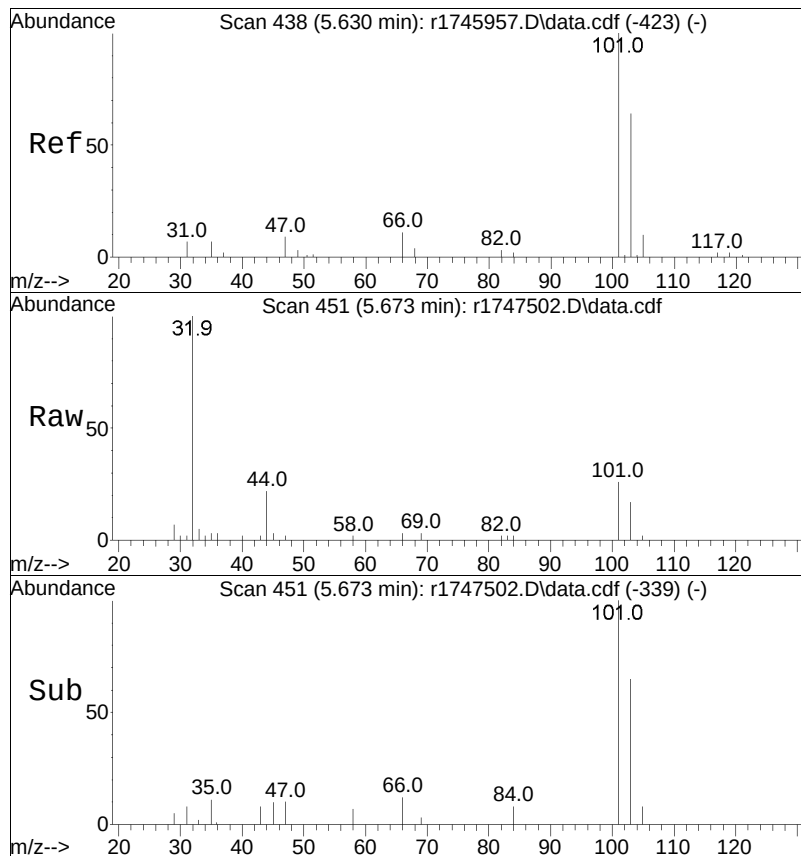




#19
 acetone
 Concen: 3.11 ppbV m
 RT: 5.490 min Scan# 396
 Delta R.T. 0.050 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

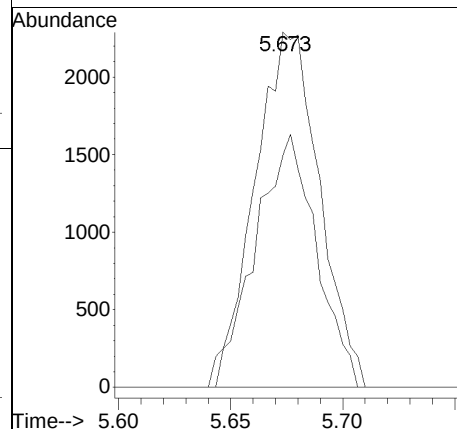
Tgt Ion:	43	Resp:	57645
Ion Ratio	Lower	Upper	
43	100		
58	32.7	24.7	37.1
57	1.1	0.6	0.8#

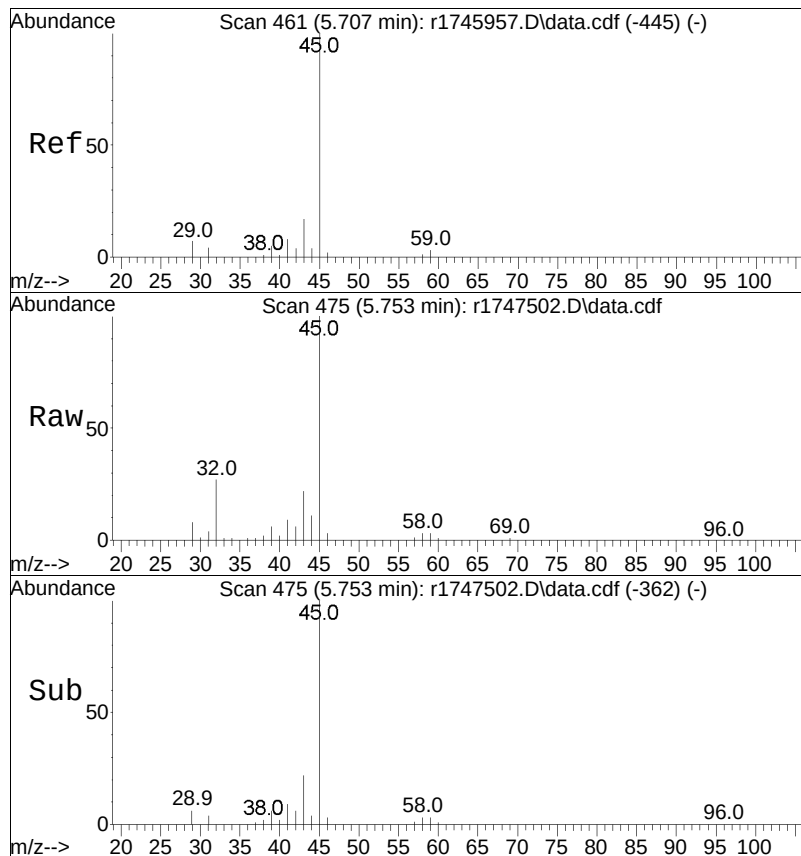




#21
trichlorofluoromethane
Concen: 0.22 ppbV
RT: 5.673 min Scan# 451
Delta R.T. 0.043 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

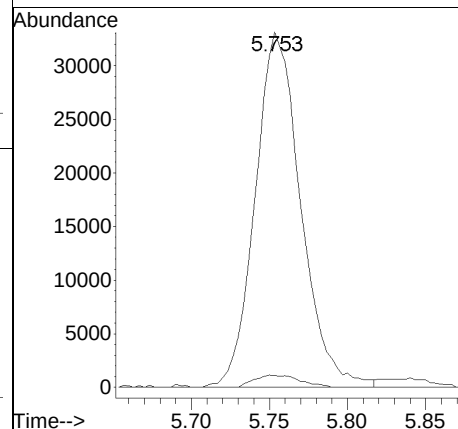
Tgt	Ion	Ratio	Lower	Upper
101	101	100		
103	65.4	50.9	76.3	

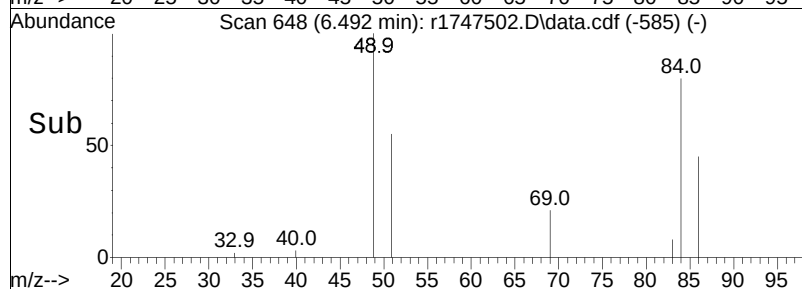
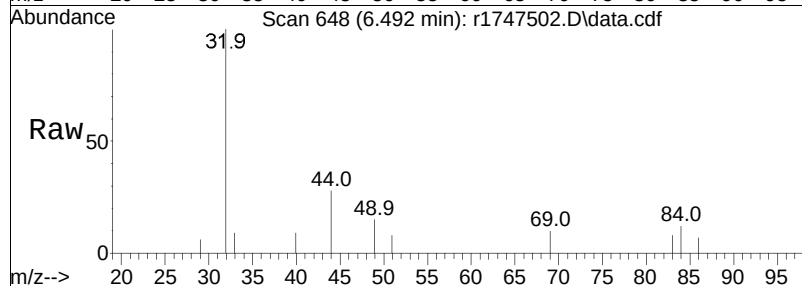
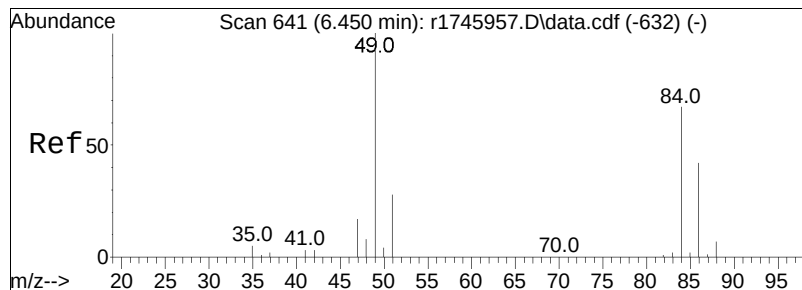




#22
 isopropyl alcohol
 Concen: 2.87 ppbV
 RT: 5.753 min Scan# 475
 Delta R.T. 0.047 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

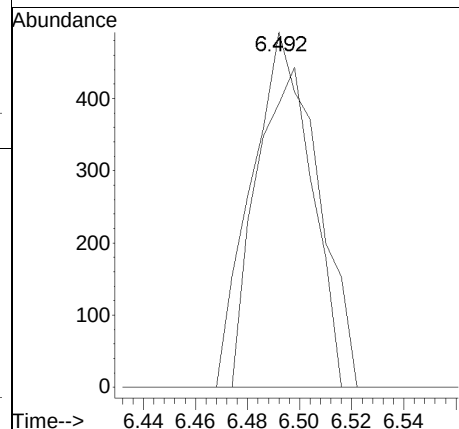
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.3	2.6	4.0

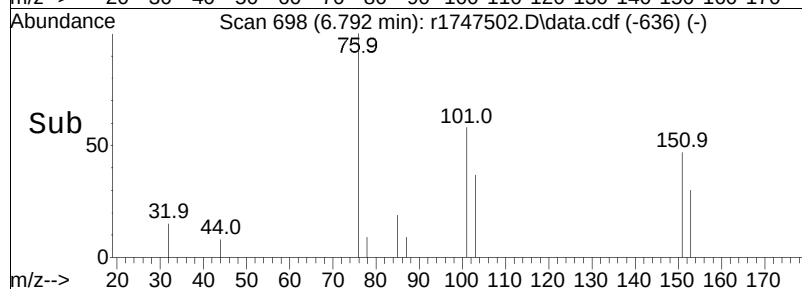
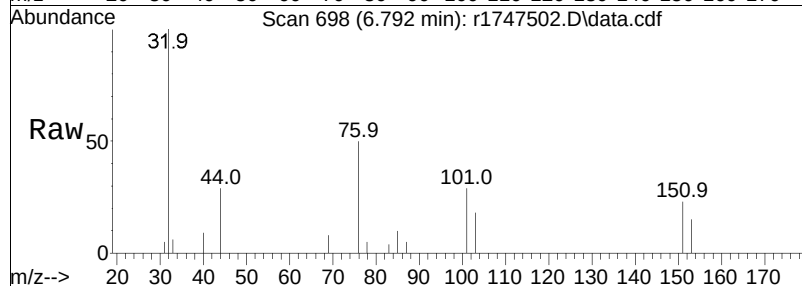
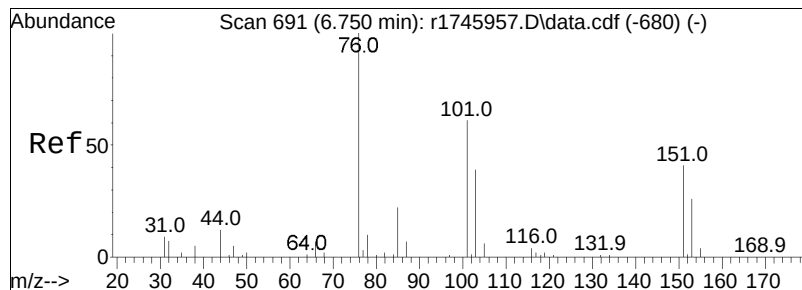




#28
methylene chloride
Concen: 0.05 ppbV
RT: 6.492 min Scan# 648
Delta R.T. 0.042 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

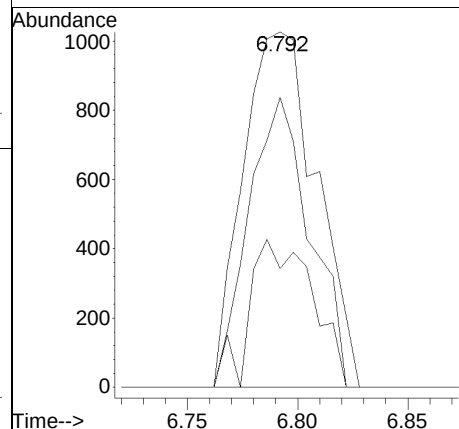
Tgt	Ion	Ratio	Lower	Upper
49	100			
84	79.9	53.4	80.0	

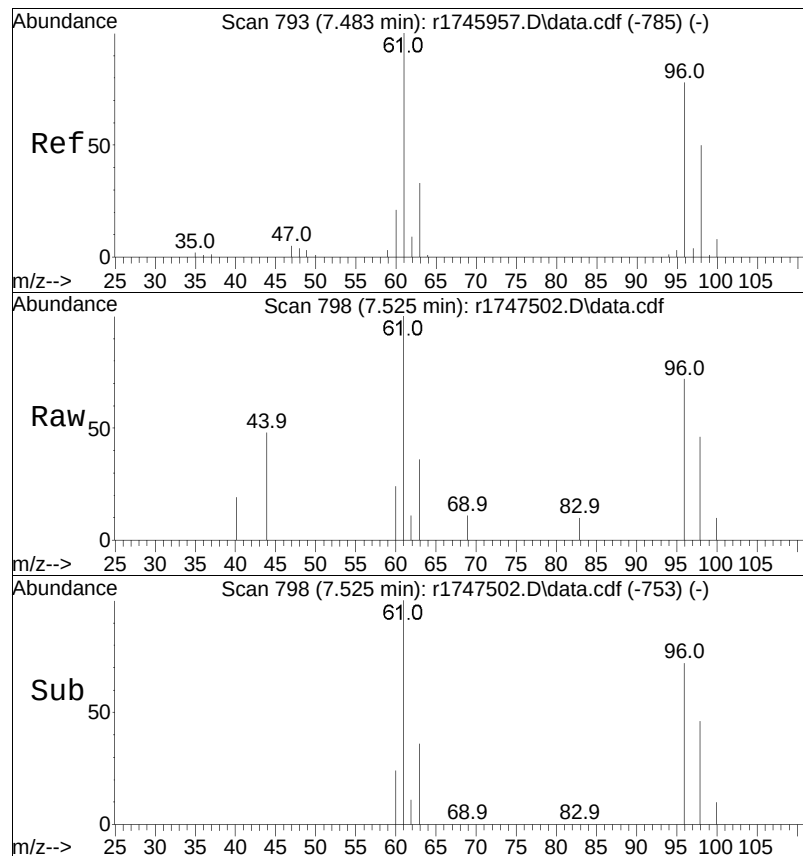




#31
 Freon 113
 Concen: 0.10 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

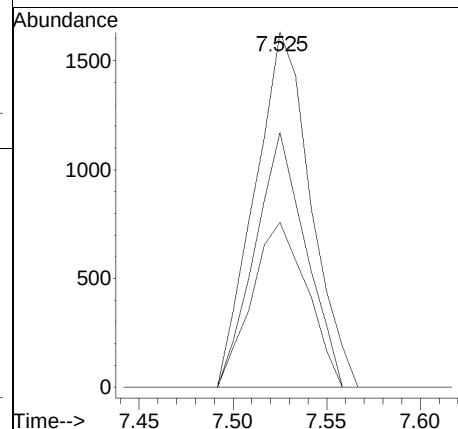
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	2389		
85	33.4		29.0	43.4
151	81.6		53.6	80.4#

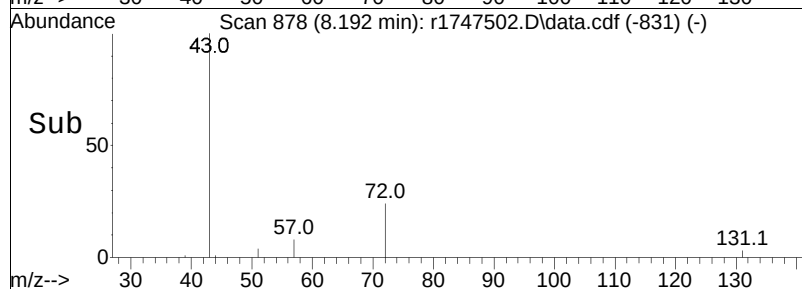
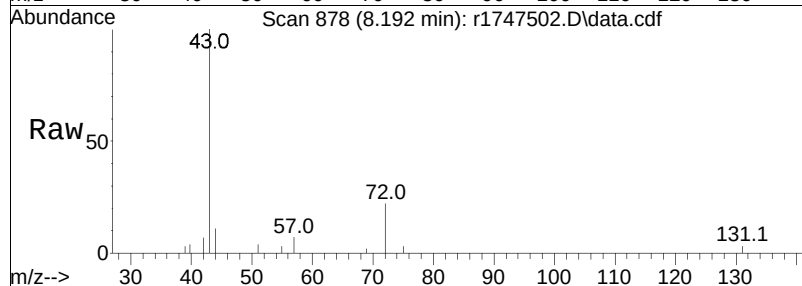
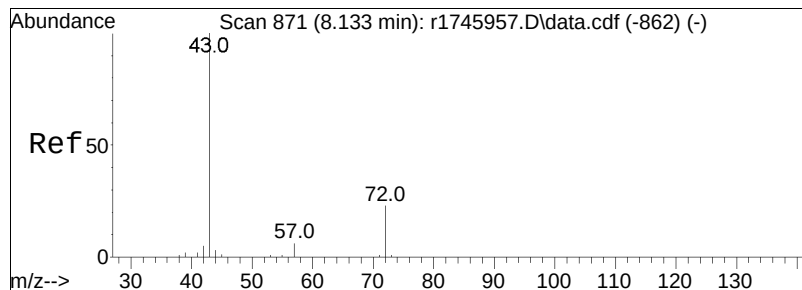




#32
 trans-1,2-dichloroethene
 Concen: 0.19 ppbV
 RT: 7.525 min Scan# 798
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

Tgt Ion:	61	Resp:	3386
Ion Ratio	Lower	Upper	
61	100		
96	71.8	62.1	93.1
98	46.4	40.0	60.0





#36

2-butanone

Concen: 0.58 ppbV

RT: 8.192 min Scan# 878

Delta R.T. 0.058 min

Lab File: r1747502.D

Acq: 7 Mar 2025 5:44 AM

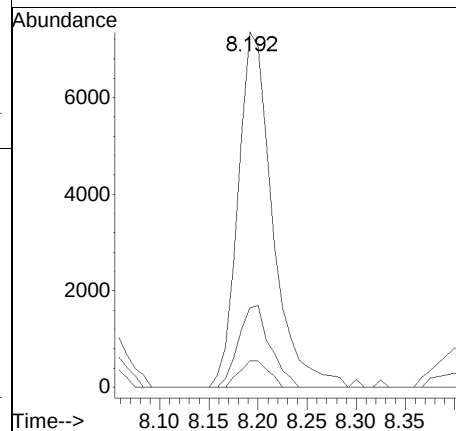
Tgt Ion: 43 Resp: 18095

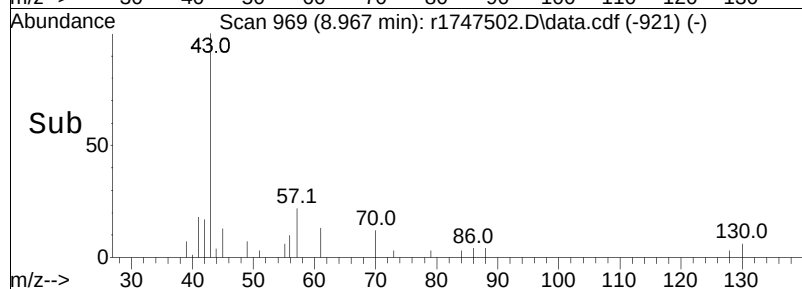
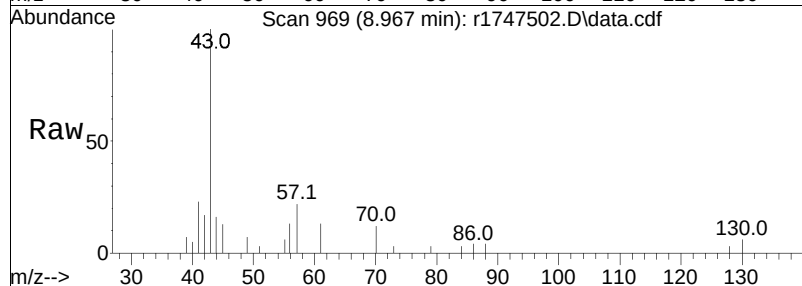
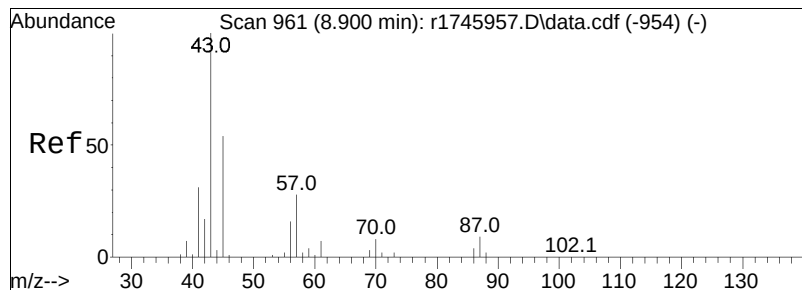
Ion Ratio Lower Upper

43 100

72 22.4 18.1 27.1

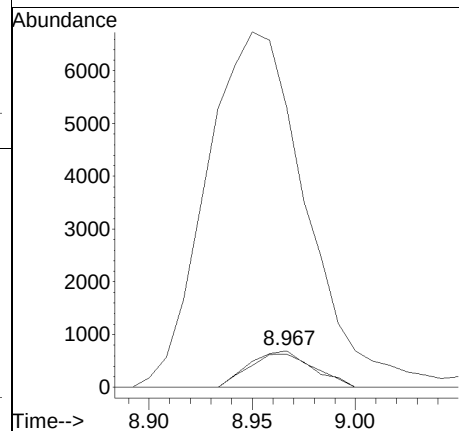
57 7.5 4.6 6.8#

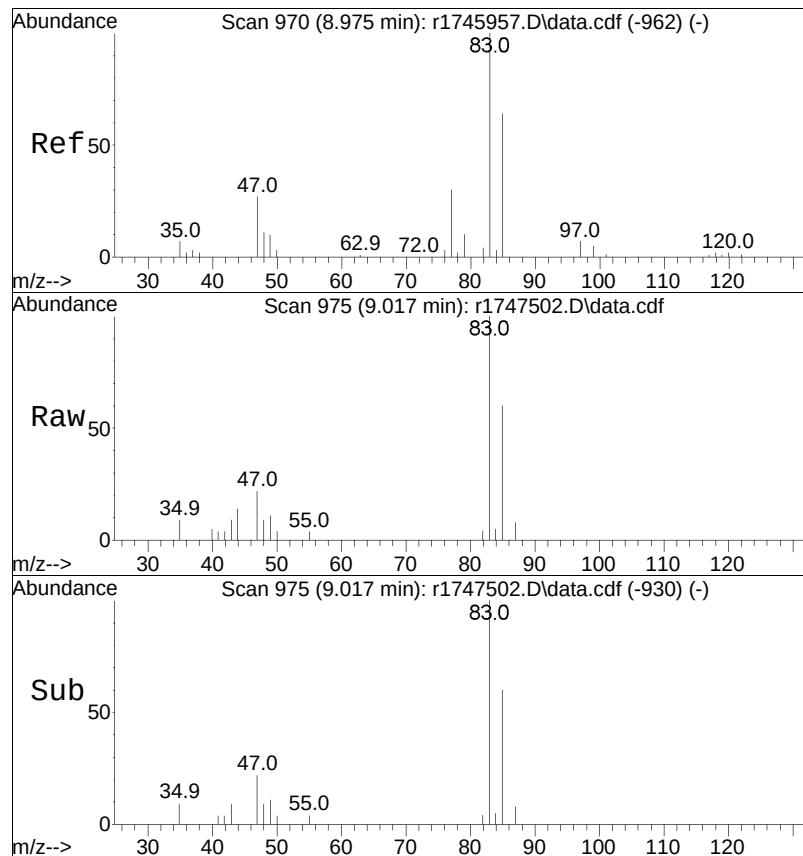




#38
Ethyl Acetate
Concen: 0.35 ppbV
RT: 8.967 min Scan# 969
Delta R.T. 0.067 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

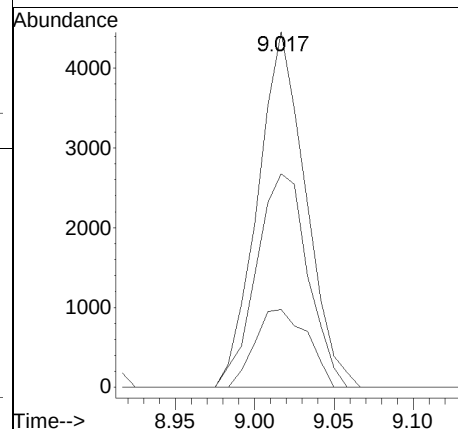
Tgt Ion	Ratio	Lower	Upper
61	100		
70	90.9	85.8	128.8
43	764.0	1077.6	1616.4#

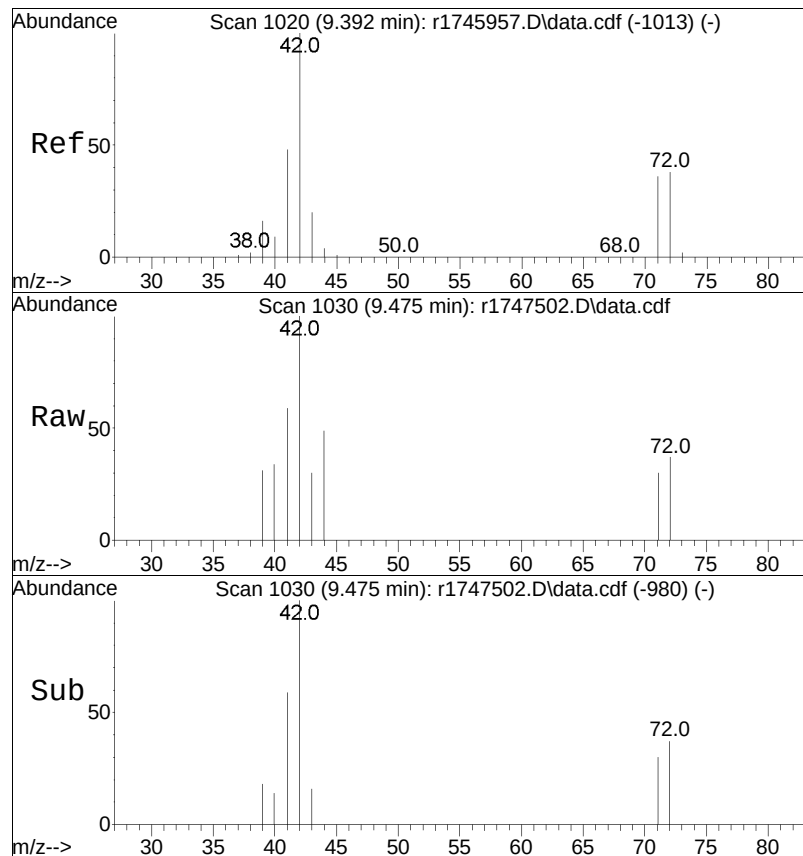




#39
 chloroform
 Concen: 0.41 ppbV
 RT: 9.017 min Scan# 975
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

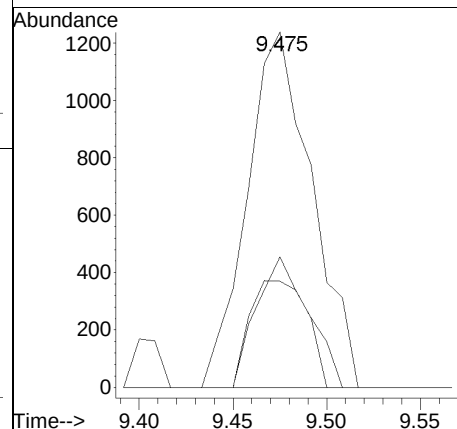
Tgt	Ion: 83	Resp:	9405
Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.6	77.4
47	21.9	21.4	32.2

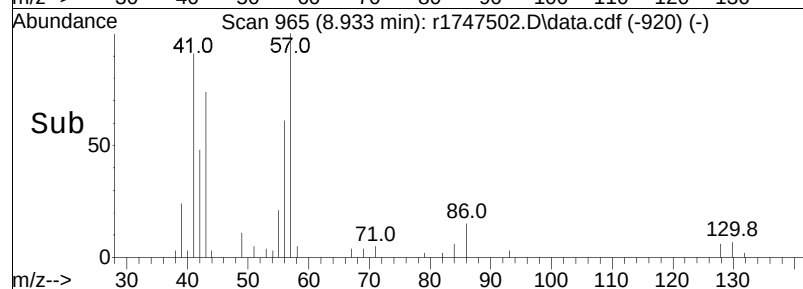
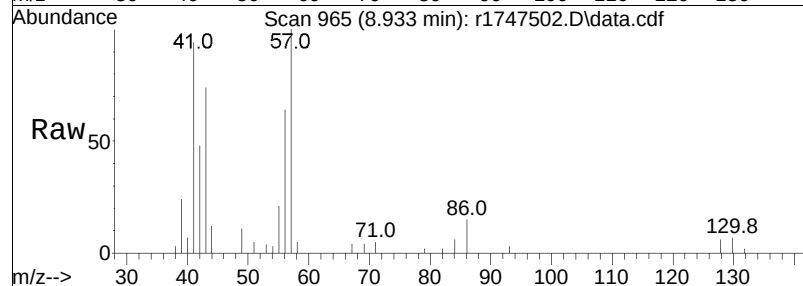
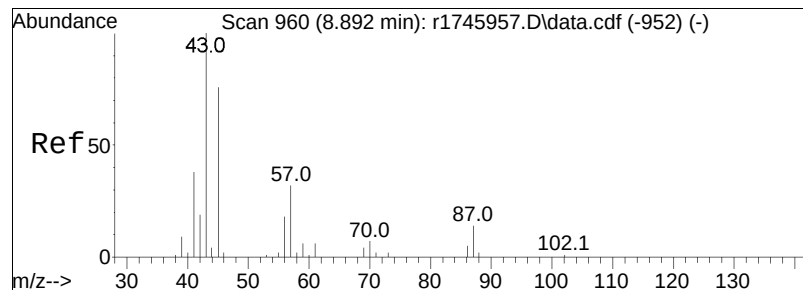




#40
Tetrahydrofuran
Concen: 0.16 ppbV
RT: 9.475 min Scan# 1030
Delta R.T. 0.083 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

Tgt Ion	Ratio	Lower	Upper
42	100		
71	29.9	28.9	43.3
72	36.8	30.1	45.1





#44

hexane

Concen: 0.79 ppbV

RT: 8.933 min Scan# 965

Delta R.T. 0.042 min

Lab File: r1747502.D

Acq: 7 Mar 2025 5:44 AM

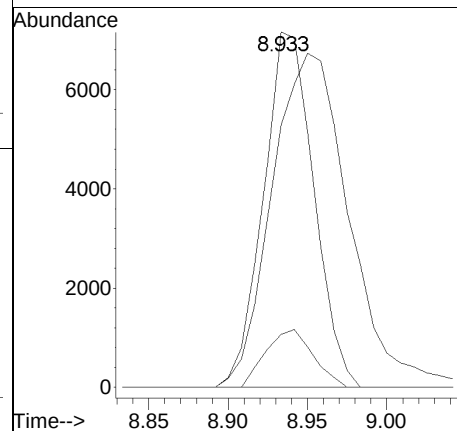
Tgt Ion: 57 Resp: 15855

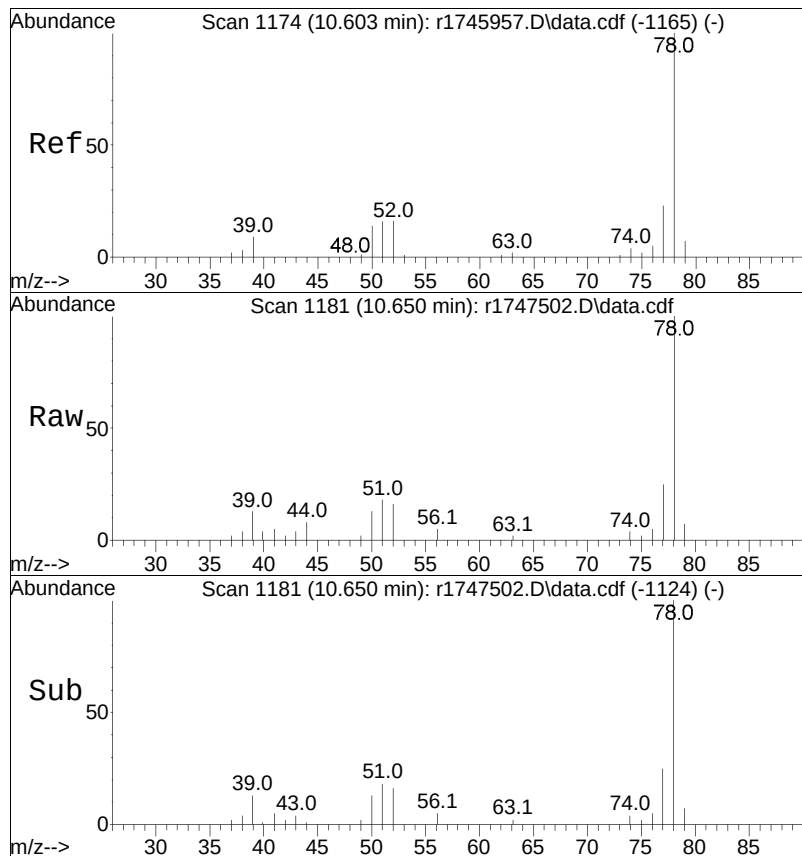
Ion Ratio Lower Upper

57 100

43 73.8 247.4 371.0#

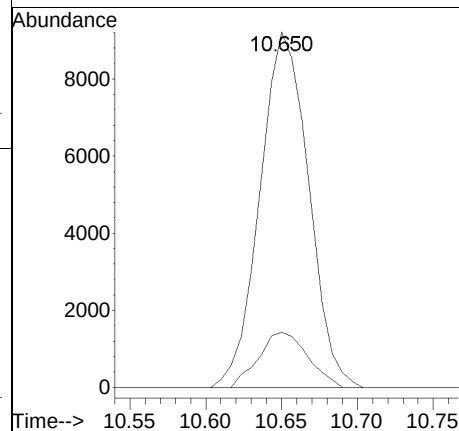
86 14.9 12.9 19.3

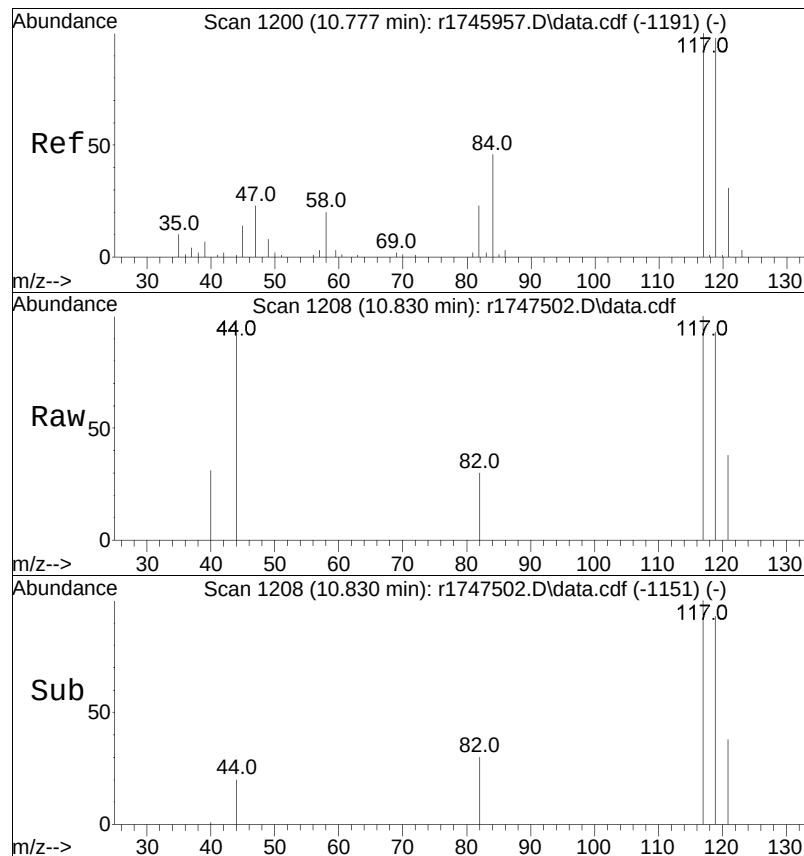




#50
benzene
Concen: 0.47 ppbV
RT: 10.650 min Scan# 1181
Delta R.T. 0.047 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

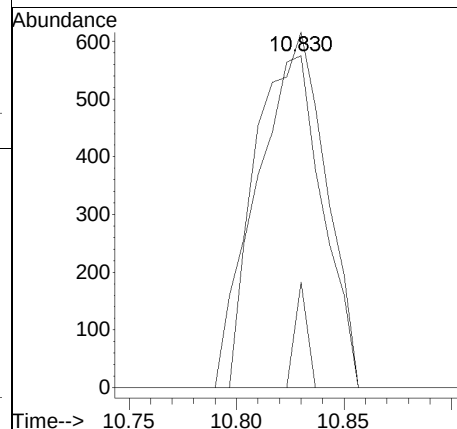
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.5	12.5	18.7

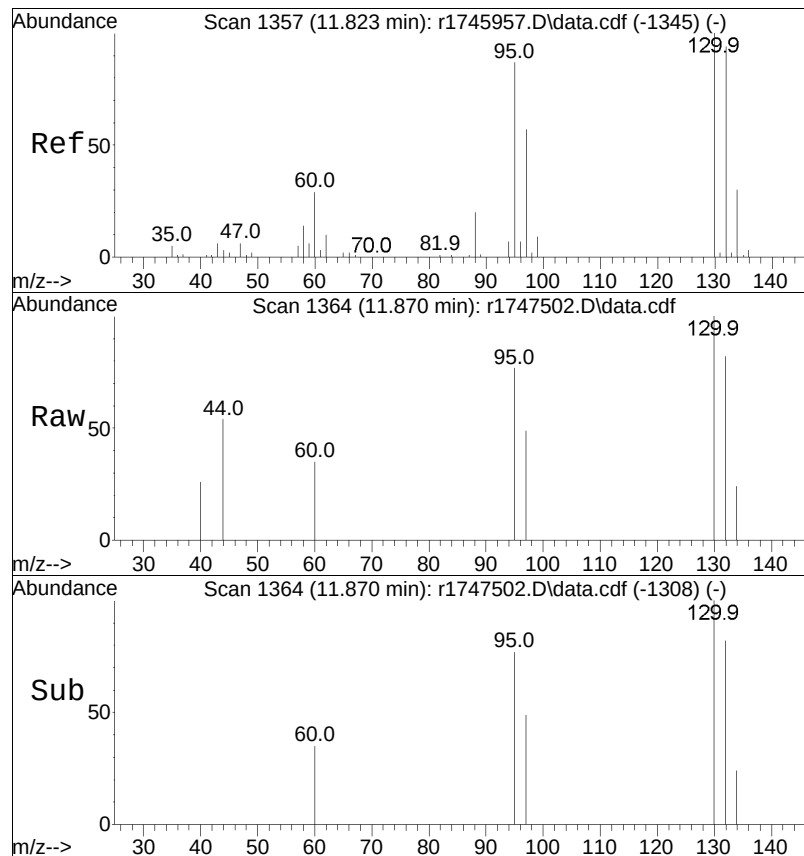




#52
 carbon tetrachloride
 Concen: 0.09 ppbV
 RT: 10.830 min Scan# 1208
 Delta R.T. 0.053 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

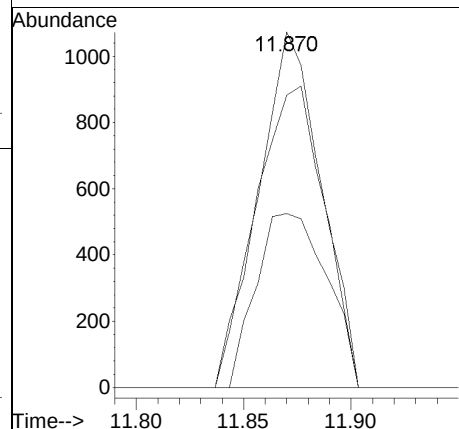
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.2	117.2
82	29.7	18.6	28.0#

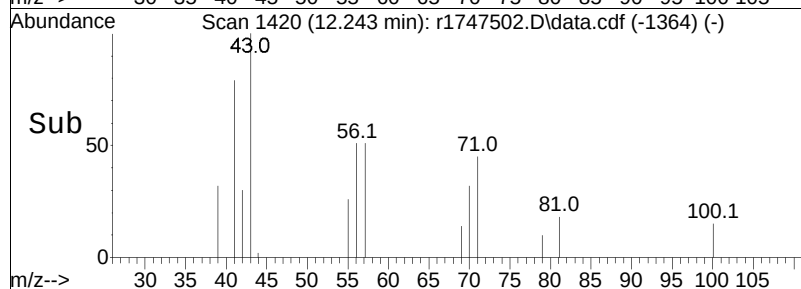
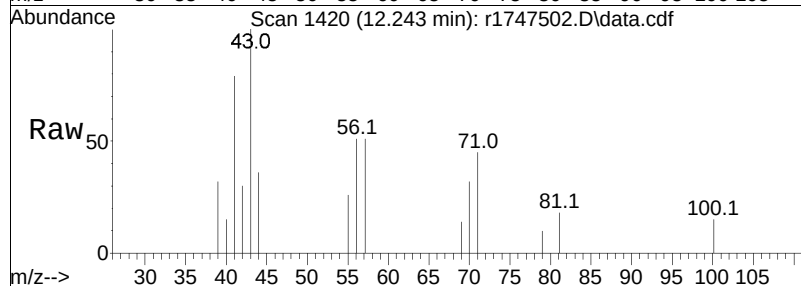
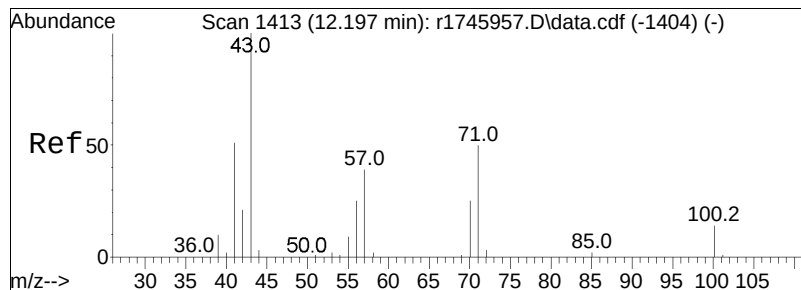




#59
trichloroethene
Concen: 0.11 ppbV
RT: 11.870 min Scan# 1364
Delta R.T. 0.047 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

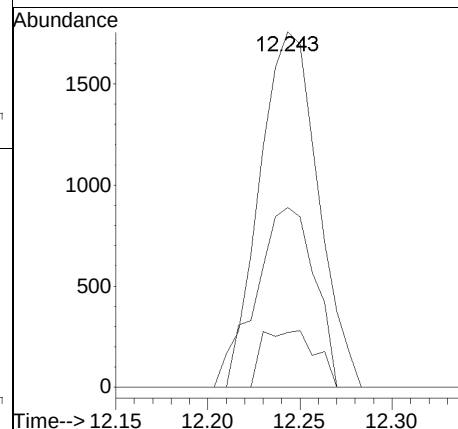
Tgt Ion:	130	Resp:	2190
Ion Ratio	Lower	Upper	
130	100		
132	82.2	75.5	113.3
97	48.9	45.9	68.9

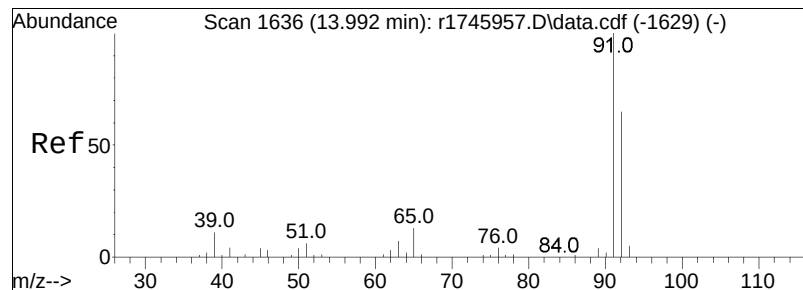




#62
 heptane
 Concen: 0.13 ppbV
 RT: 12.243 min Scan# 1420
 Delta R.T. 0.047 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

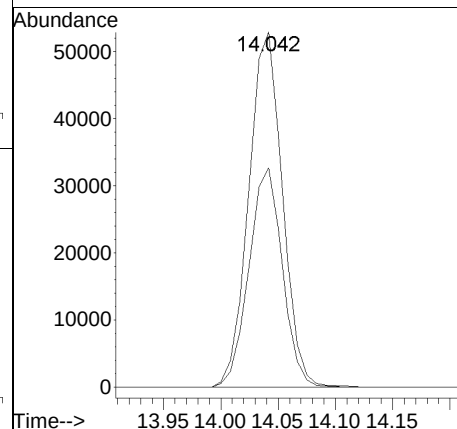
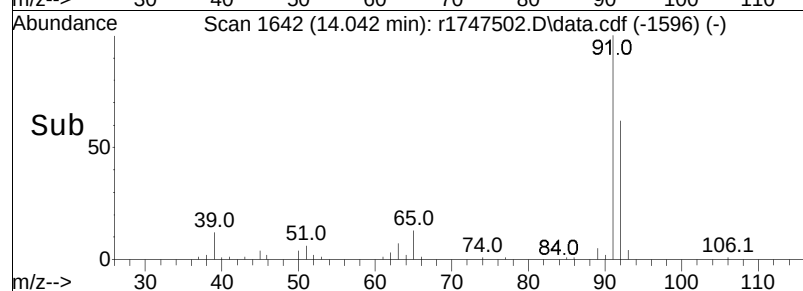
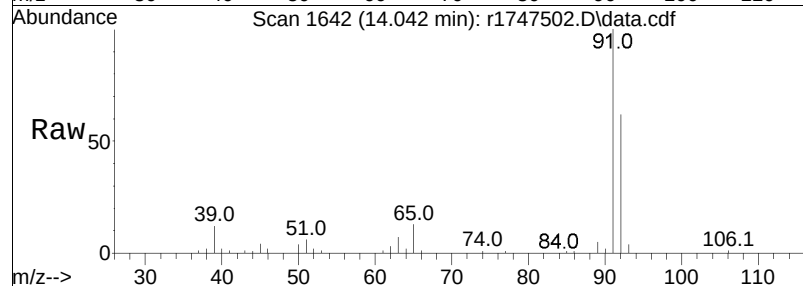
Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.6	31.1	46.7#
100	15.4	11.4	17.2

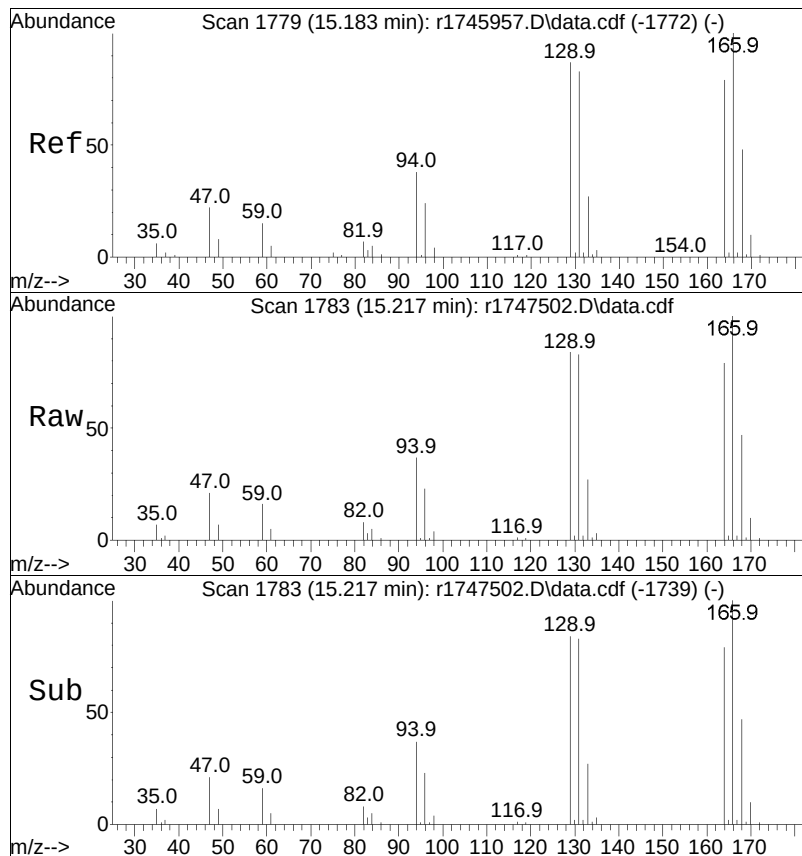




#68
toluene
Concen: 1.89 ppbV
RT: 14.042 min Scan# 1642
Delta R.T. 0.050 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

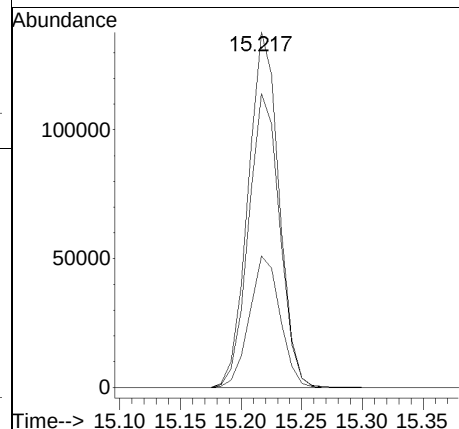
Tgt	Ion	Resp	Lower	Upper
91	100	108313		
92	61.8	51.7	77.5	

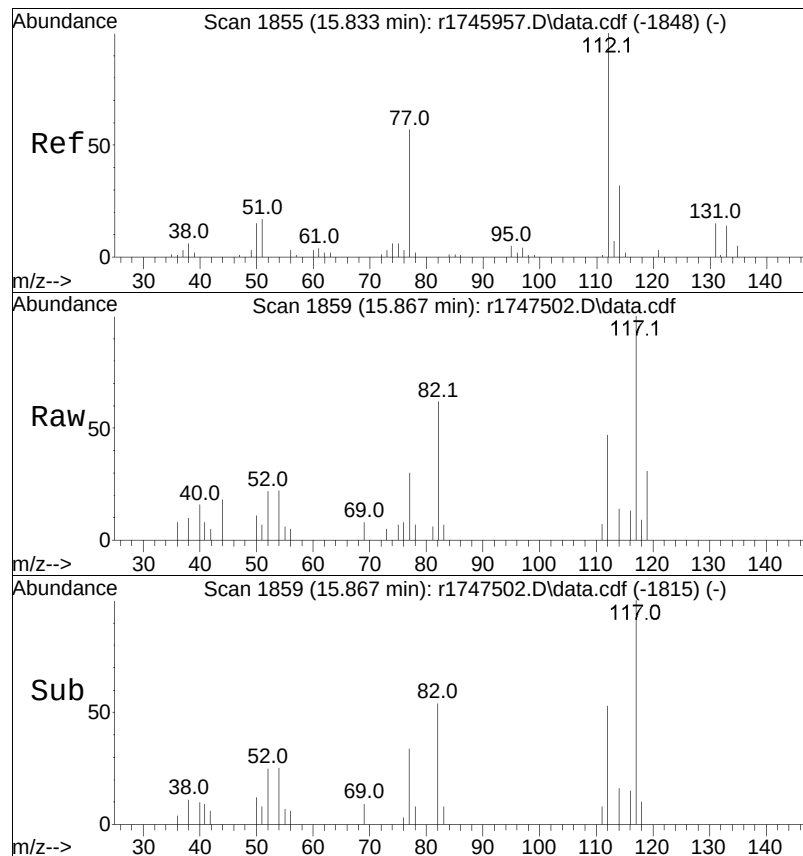




#78
 tetrachloroethene
 Concen: 10.43 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

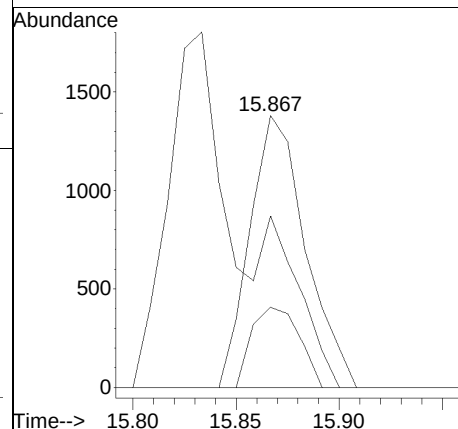
Tgt	Ion:166	Resp:	244243
Ion	Ratio	Lower	Upper
166	100		
131	82.7	66.4	99.6
94	37.0	30.1	45.1

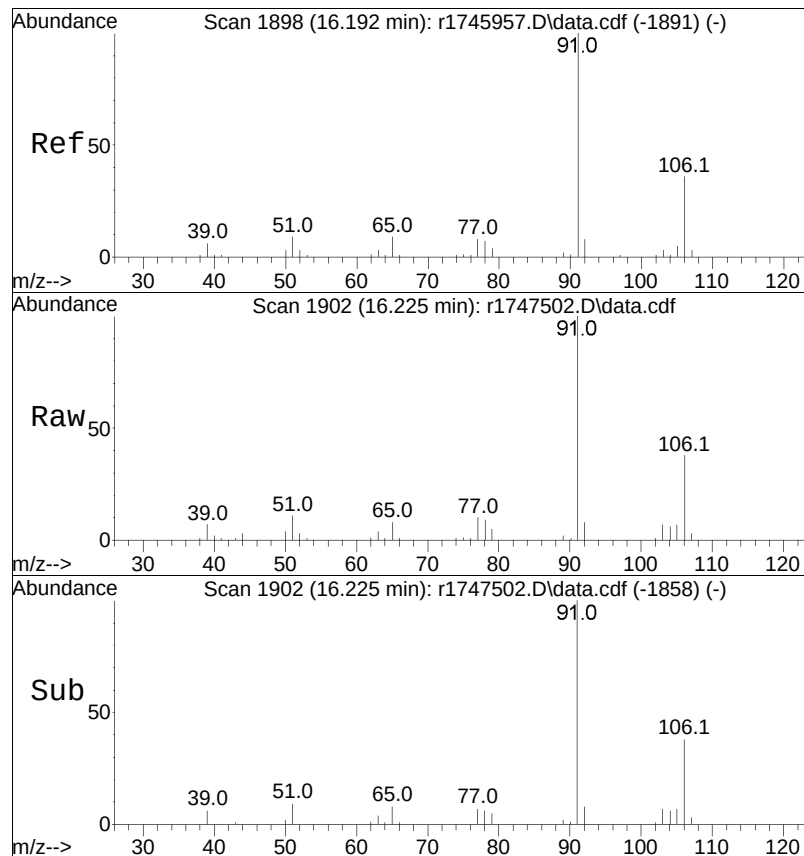




#80
 chlorobenzene
 Concen: 0.05 ppbV
 RT: 15.867 min Scan# 1859
 Delta R.T. 0.033 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

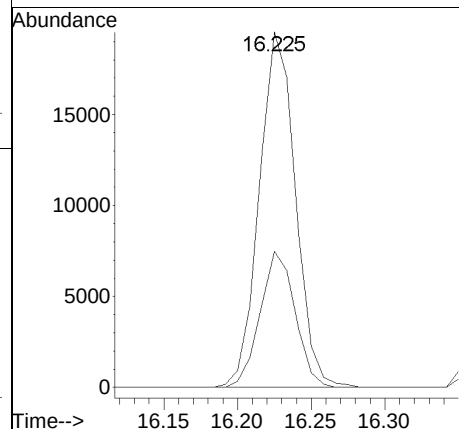
Tgt	Ion:112	Resp:	2596
Ion	Ratio	Lower	Upper
112	100		
114	29.5	25.5	38.3
77	63.1	45.7	68.5

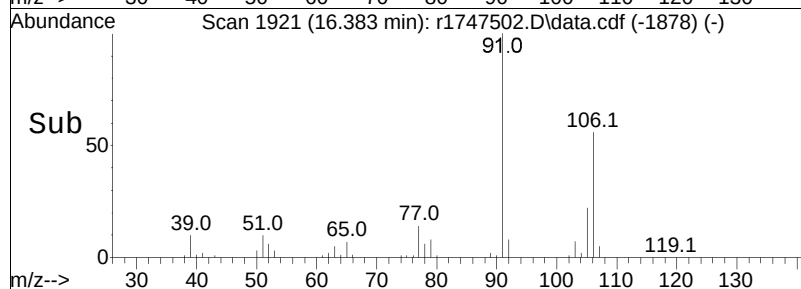
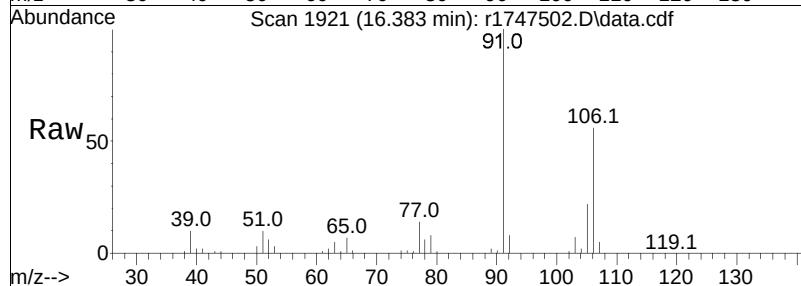
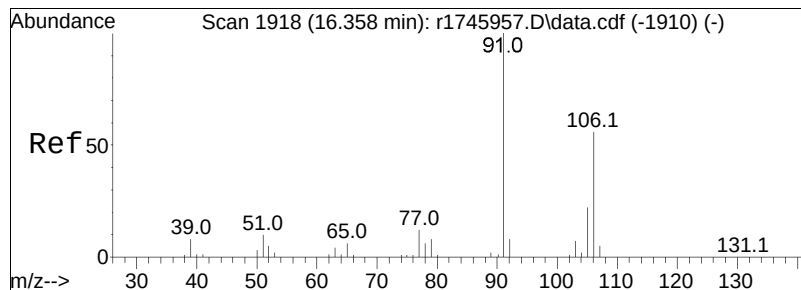




#81
ethylbenzene
Concen: 0.45 ppbV
RT: 16.225 min Scan# 1902
Delta R.T. 0.033 min
Lab File: r1747502.D
Acq: 7 Mar 2025 5:44 AM

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.3	28.5	42.7





#83

m+p-xylene

Concen: 2.23 ppbV

RT: 16.383 min Scan# 1921

Delta R.T. 0.025 min

Lab File: r1747502.D

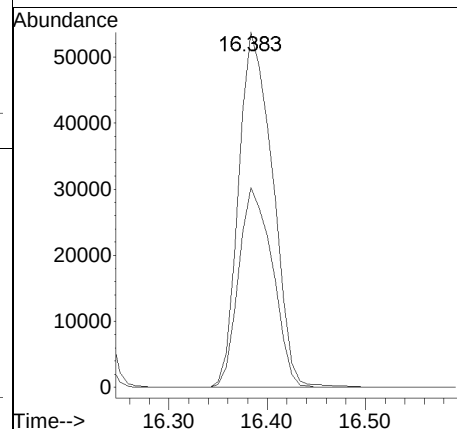
Acq: 7 Mar 2025 5:44 AM

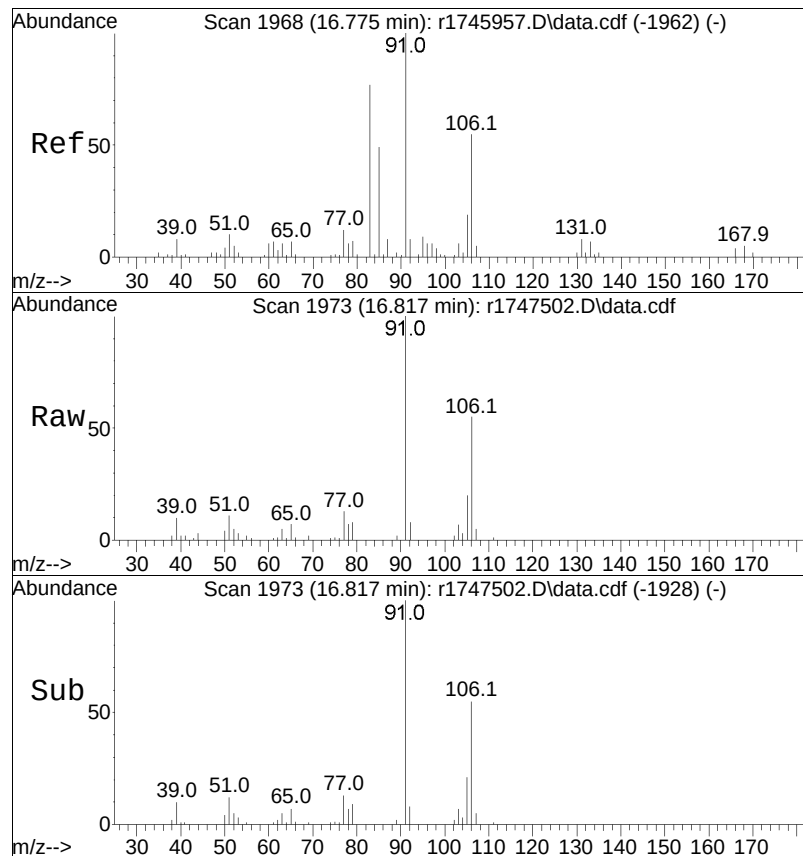
Tgt Ion: 91 Resp: 129295

Ion Ratio Lower Upper

91 100

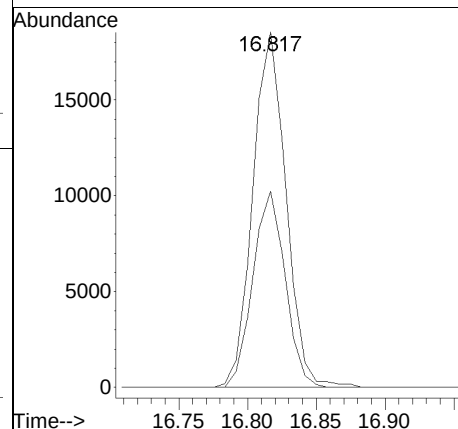
106 56.2 44.7 67.1

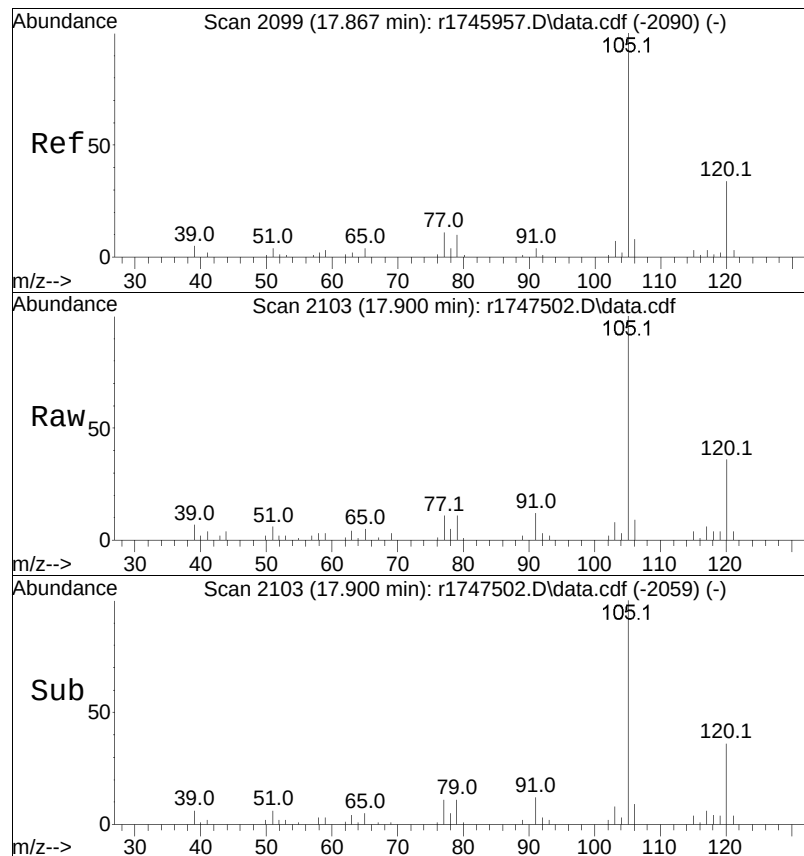




#87
 o-xylene
 Concen: 0.53 ppbV
 RT: 16.817 min Scan# 1973
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

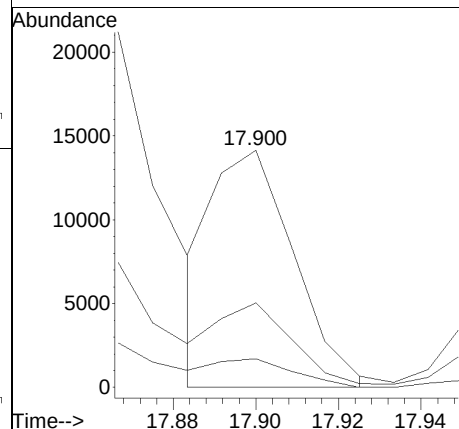
Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.3	43.9	65.9

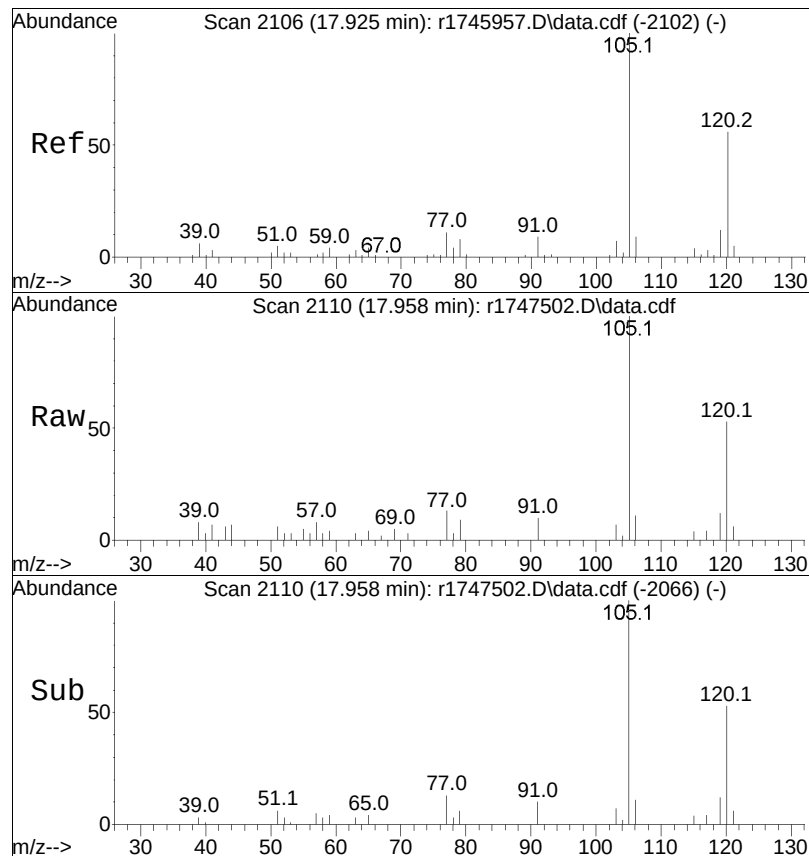




#96
 4-ethyl toluene
 Concen: 0.25 ppbV m
 RT: 17.900 min Scan# 2103
 Delta R.T. 0.033 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

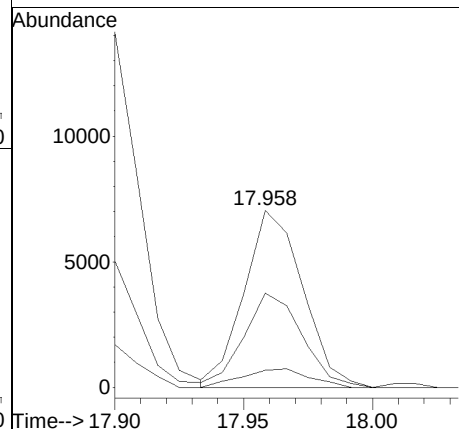
Tgt Ion	Ratio	Lower	Upper
105	100		
120	35.6	26.9	40.3
91	12.1	7.8	11.6#

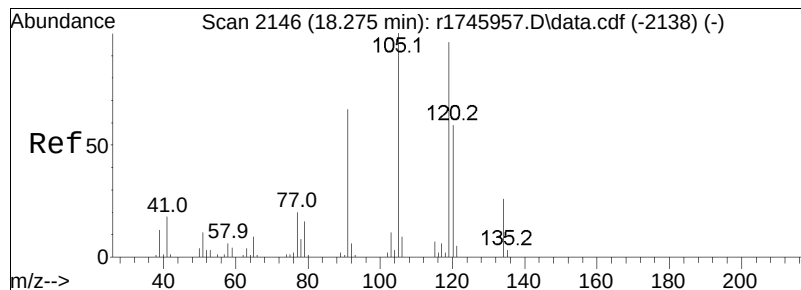




#97
 1,3,5-trimethylbenzene
 Concen: 0.17 ppbV
 RT: 17.958 min Scan# 2110
 Delta R.T. 0.033 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

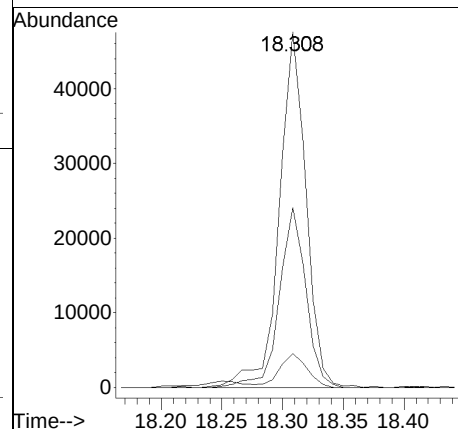
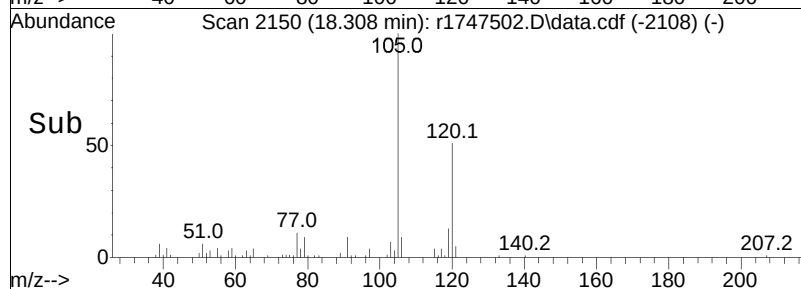
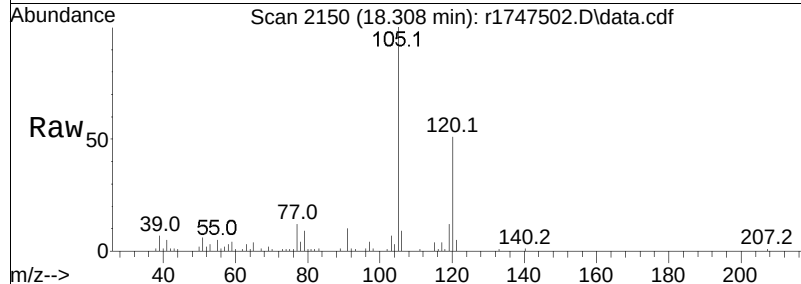
Tgt Ion:	105	Resp:	11161
Ion Ratio	Lower	Upper	
105	100		
120	53.3	44.6	66.8
91	9.7	7.4	11.0

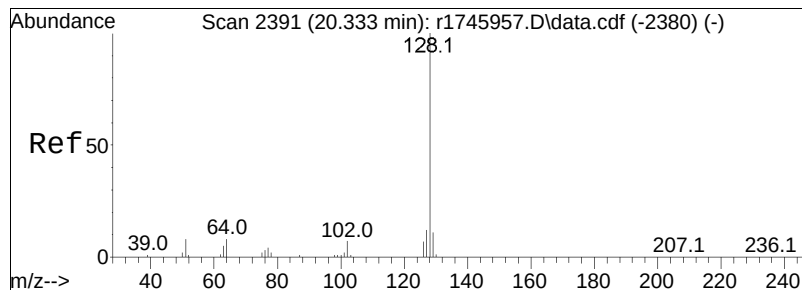




#99
 1,2,4-trimethylbenzene
 Concen: 1.11 ppbV
 RT: 18.308 min Scan# 2150
 Delta R.T. 0.033 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

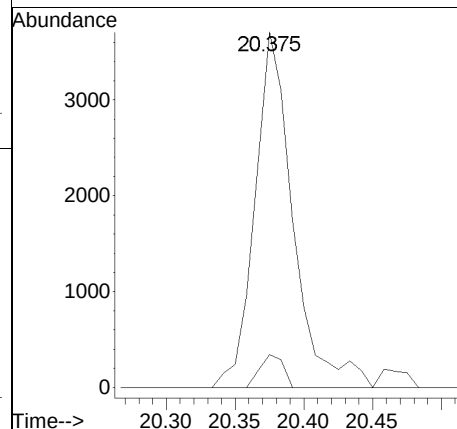
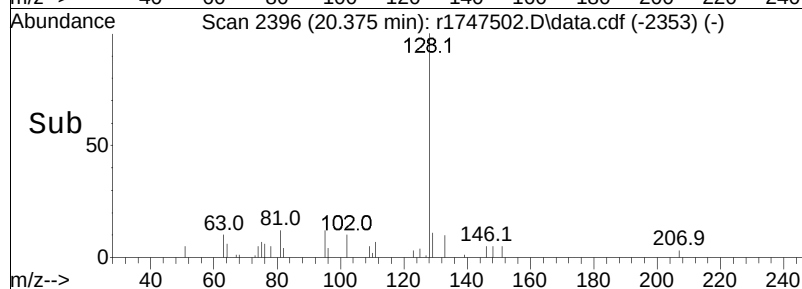
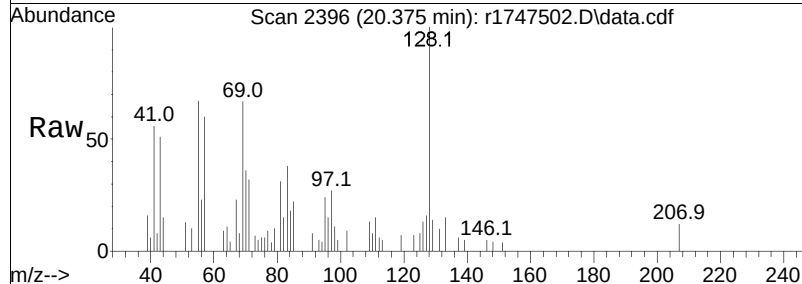
Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	47.1	70.7
91	9.6	53.0	79.4#





#116
 naphthalene
 Concen: 0.09 ppbV
 RT: 20.375 min Scan# 2396
 Delta R.T. 0.042 min
 Lab File: r1747502.D
 Acq: 7 Mar 2025 5:44 AM

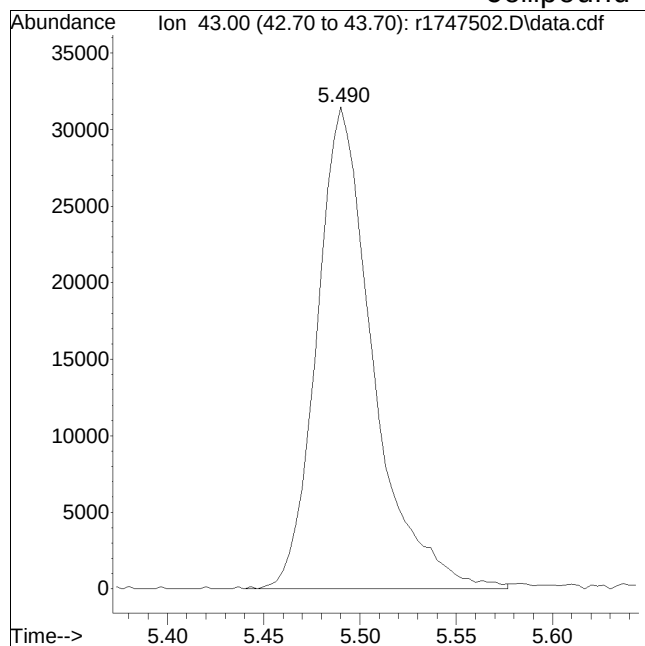
Tgt Ion	Ratio	Lower	Upper
128	100		
102	9.2	5.9	8.9#



Manual Integration Report

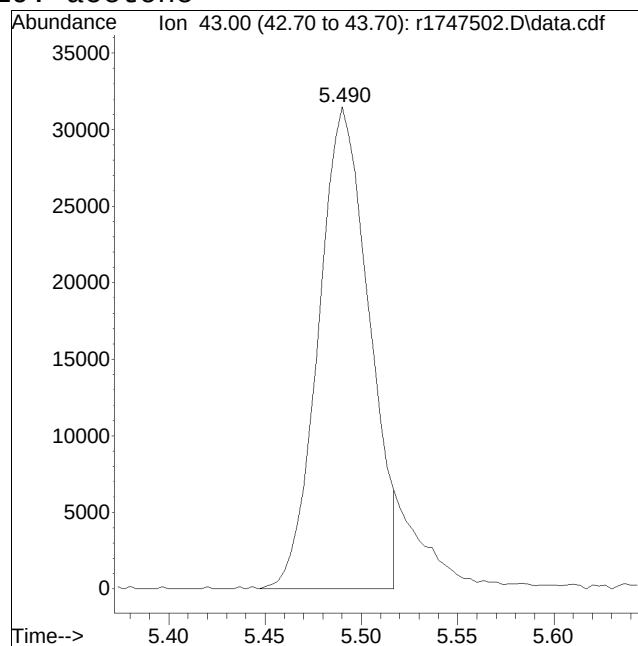
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747502.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 5:44 AM Instrument :
Sample : L2509499-11,3,250,250 Quant Date : 3/7/2025 7:51 am

Compound #19: acetone



Original Peak Response = 64026

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

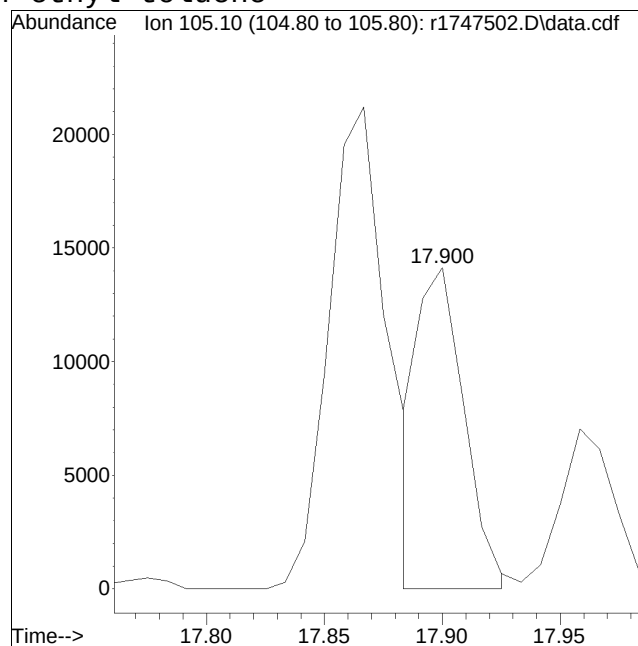
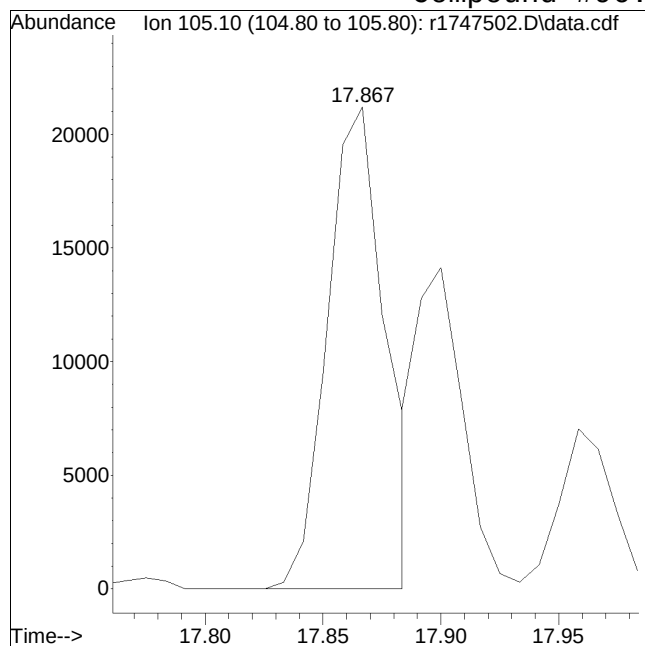


Manual Peak Response = 57645 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747502.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 5:44 AM Instrument :
Sample : L2509499-11,3,250,250 Quant Date : 3/7/2025 7:51 am

Compound #96: 4-ethyl toluene



Original Peak Response = 36270

Manual Peak Response = 19476 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\Airlab17\2025\03\0306T\
 Data File : r1747503.D
 Acq On : 7 Mar 2025 6:23 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-12,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:58 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.867	49	243500	10.000	ppbV	0.05
Standard Area = 259437			Recovery =		93.86%	
43) 1,4-difluorobenzene	11.077	114	642732	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		90.98%	
67) chlorobenzene-D5	15.825	54	103938	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		97.71%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	160724	6.605	ppbV	98
6) chloromethane	4.060	50	7349	0.558	ppbV	99
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.	d	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	4.978	31	276721	30.208	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.483	43	11358113	607.418	ppbV #	78
21) trichlorofluoromethane	5.673	101	6534	0.303	ppbV	97
22) isopropyl alcohol	5.747	45	245277	10.377	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.396	59	5914	0.306	ppbV #	75
28) methylene chloride	6.504	49	2361	0.138	ppbV	95
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.792	76	46847	1.185	ppbV #	91
31) Freon 113	6.792	101	2835	0.113	ppbV	89
32) trans-1,2-dichloroethene	7.525	61	2186	0.123	ppbV #	89
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.767		0	N.D.		
36) 2-butanone	8.183	43	35026	1.106	ppbV #	98
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.950	61	29160	6.751	ppbV #	1
39) chloroform	9.017	83	36104	1.559	ppbV	98
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.850		0	N.D.		
44) hexane	8.933	57	20929	1.007	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747503.D
 Acq On : 7 Mar 2025 6:23 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-12,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:58 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.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	10.650	78	33670	0.746	ppbV	98
52) carbon tetrachloride	10.817	117	1845	0.108	ppbV	88
53) cyclohexane	10.970	56	963	0.044	ppbV #	92
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.817		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.	d	
59) trichloroethene	11.870	130	5492	0.269	ppbV	91
60) 2,2,4-trimethylpentane	11.870		0	N.D.		
62) heptane	12.237	43	28000	0.897	ppbV #	87
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.933	43	10694	0.289	ppbV	96
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.033	91	202652	3.426	ppbV	98
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	15.217	166	613125	25.312	ppbV	97
80) chlorobenzene	15.892		0	N.D.		
81) ethylbenzene	16.225	91	47124	0.621	ppbV	98
83) m+p-xylene	16.383	91	143423	2.390	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.717	104	60682	1.244	ppbV	98
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.817	91	40315	0.670	ppbV	96
96) 4-ethyl toluene	17.892	105	20791M3	0.256	ppbV	
97) 1,3,5-trimethylbenzene	17.958	105	14488	0.211	ppbV #	99
99) 1,2,4-trimethylbenzene	18.308	105	69353M6	1.019	ppbV	
101) Benzyl Chloride	18.433		0	N.D.		
102) 1,3-dichlorobenzene	18.492		0	N.D.		
103) 1,4-dichlorobenzene	18.492		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.375	128	5081	0.062	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\Airlab17\2025\03\0306T\
 Data File : r1747503.D
 Acq On : 7 Mar 2025 6:23 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-12,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:51:58 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747503.D

Acq On : 7 Mar 2025 6:23 AM

Operator : AIRLAB17:TPH

Sample : L2509499-12,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

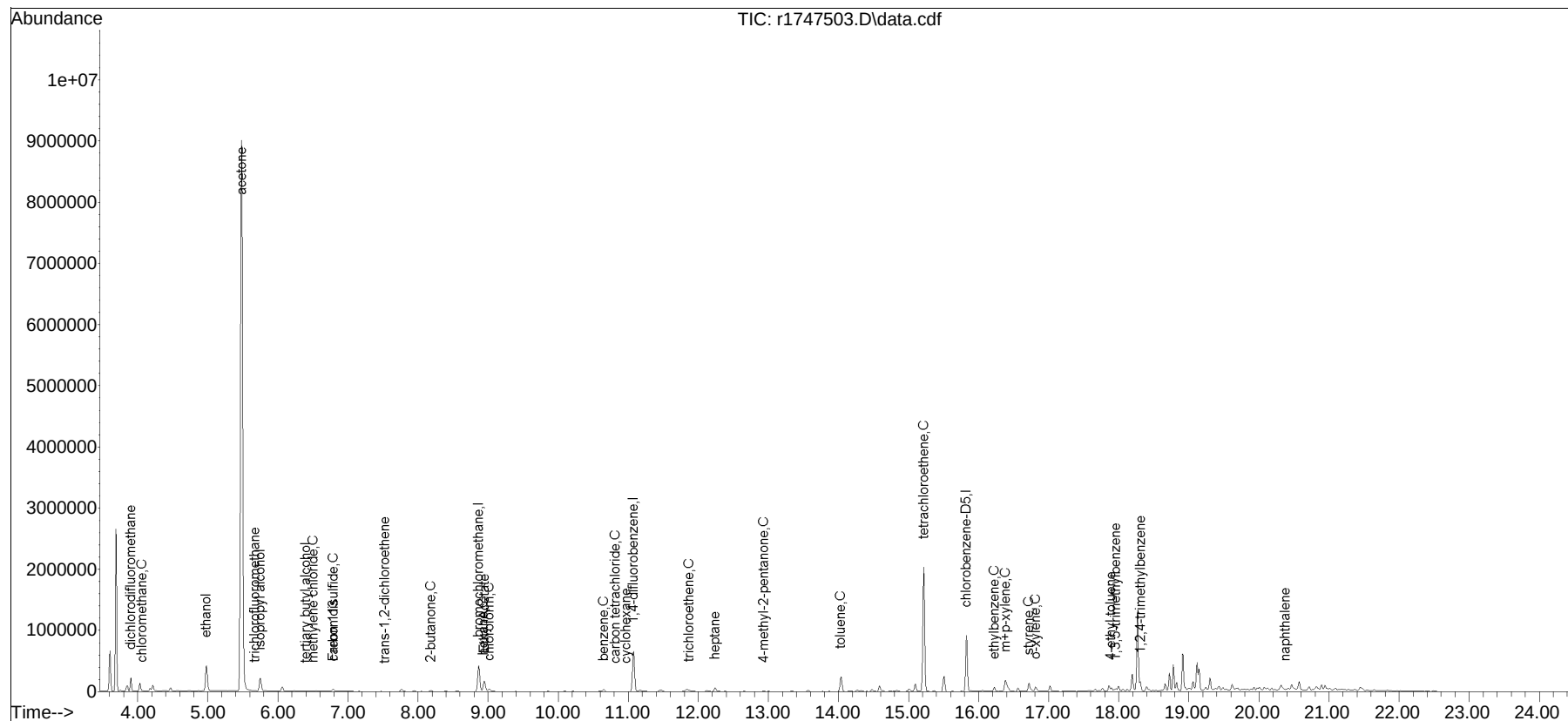
Quant Time: Mar 07 07:51:58 2025

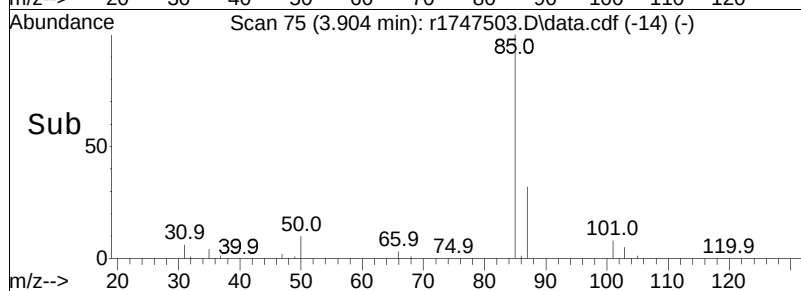
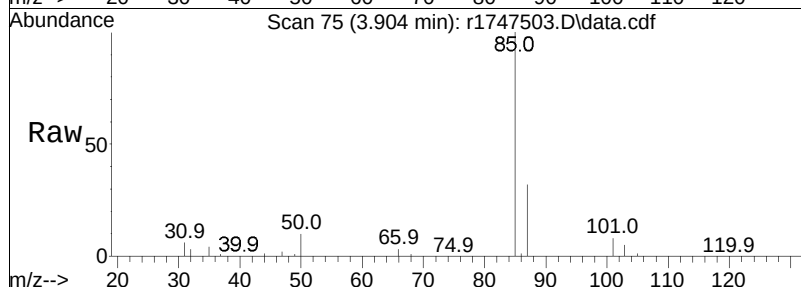
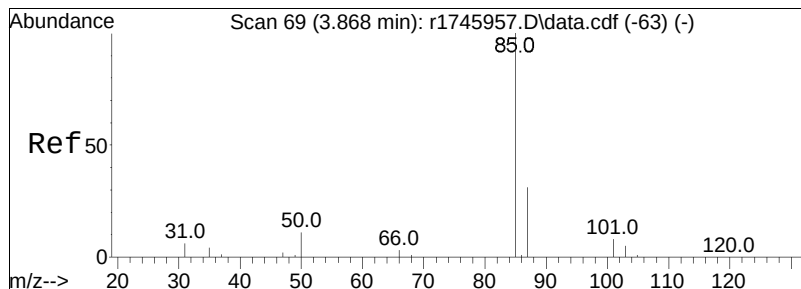
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

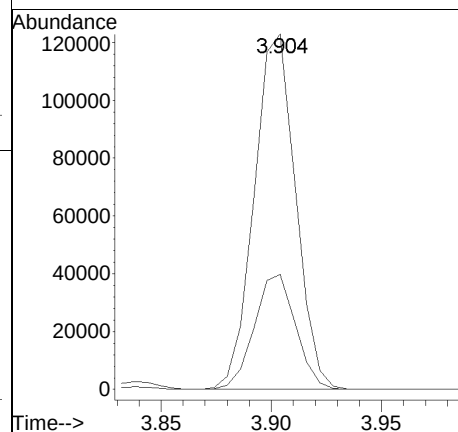
Response via : Initial Calibration

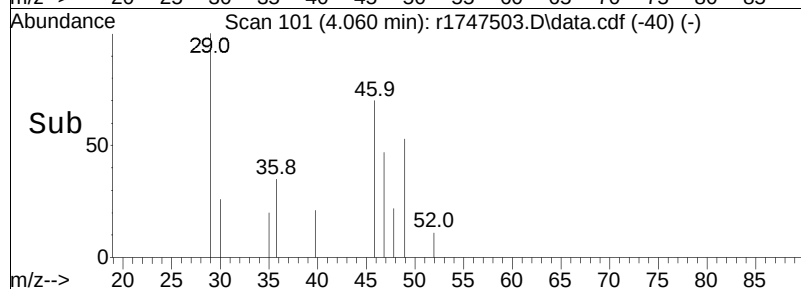
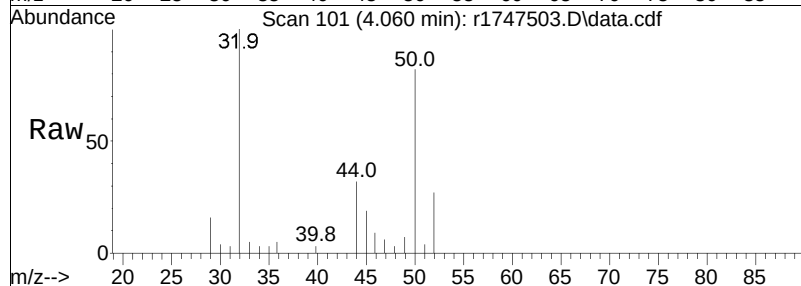
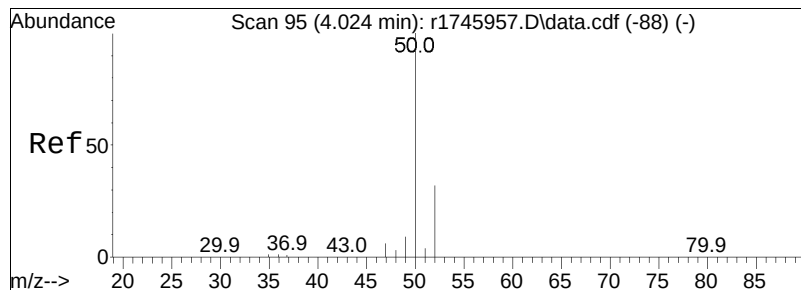




#5
dichlorodifluoromethane
Concen: 6.61 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

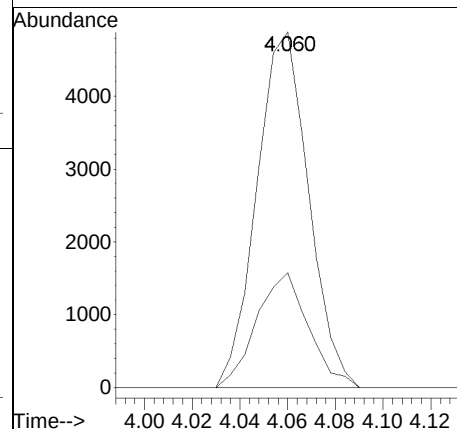
Tgt Ion: 85 Resp: 160724
Ion Ratio Lower Upper
85 100
87 32.4 25.2 37.8

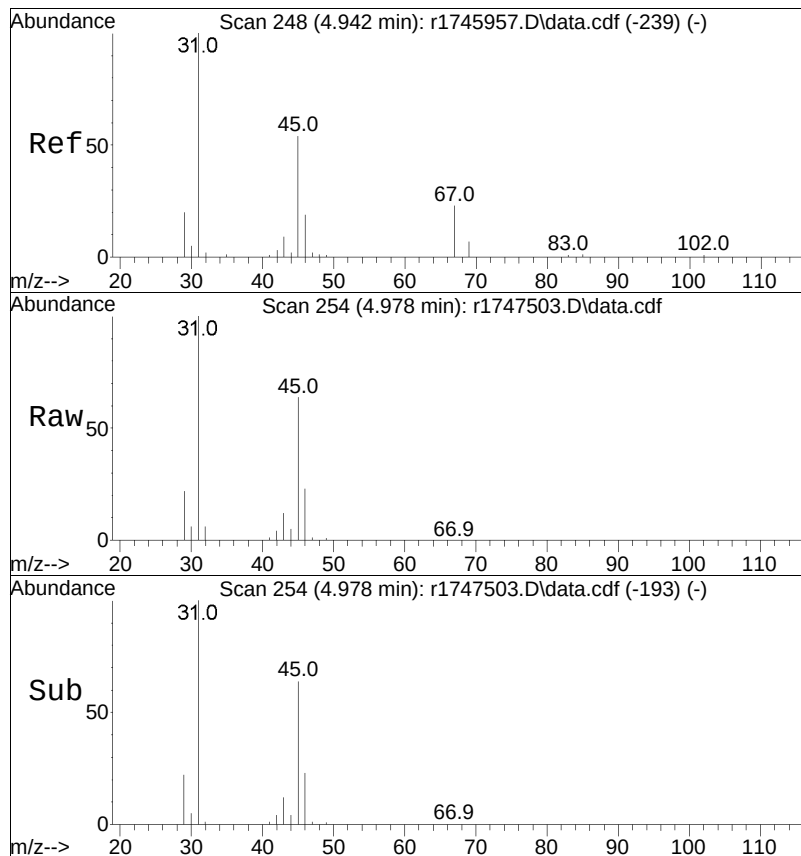




#6
 chloromethane
 Concen: 0.56 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

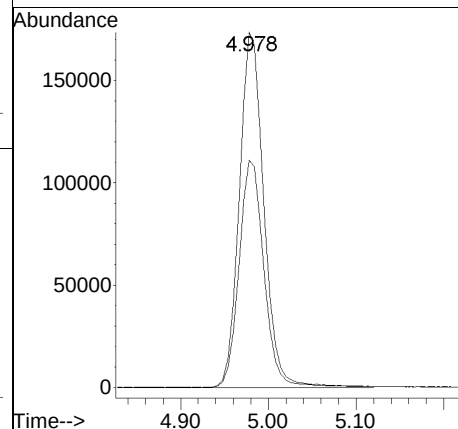
Tgt	Ion	Ratio	Lower	Upper
50	100			
52	32.3	25.4	38.2	

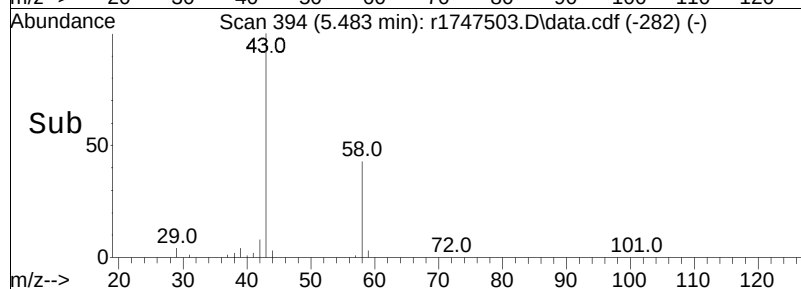
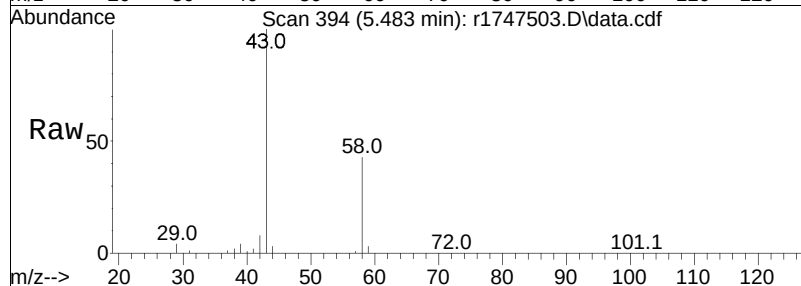
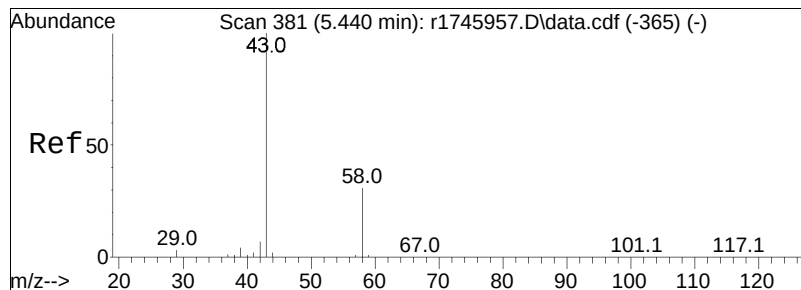




#15
 ethanol
 Concen: 30.21 ppbV
 RT: 4.978 min Scan# 254
 Delta R.T. 0.036 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

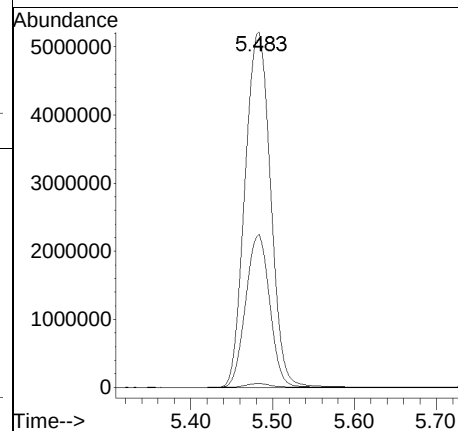
Tgt Ion	Ratio	Lower	Upper
31	100		
45	64.0	43.0	64.6

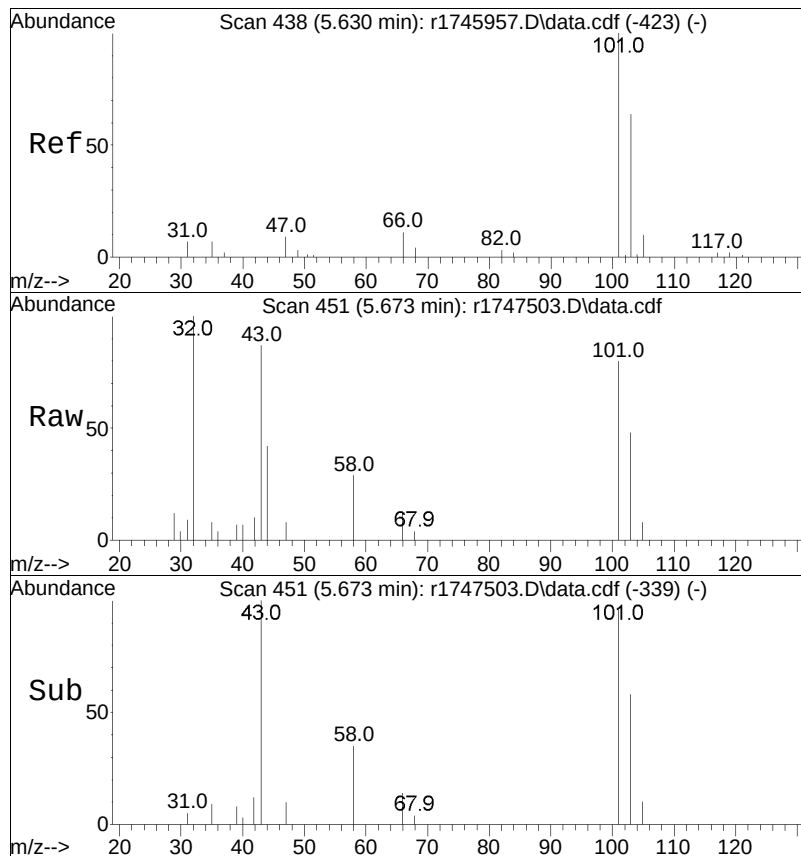




#19
acetone
Concen: 607.42 ppbV
RT: 5.483 min Scan# 394
Delta R.T. 0.043 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

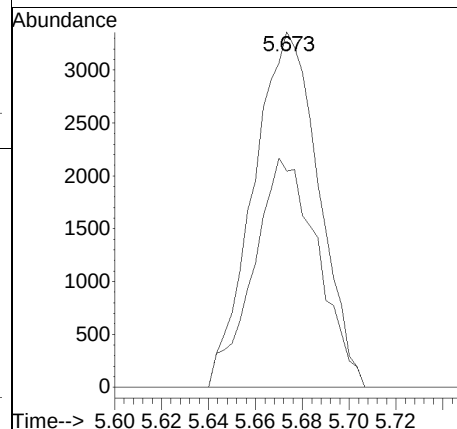
Tgt Ion: 43 Resp:11358113
Ion Ratio Lower Upper
43 100
58 43.1 24.7 37.1#
57 1.1 0.6 0.8#

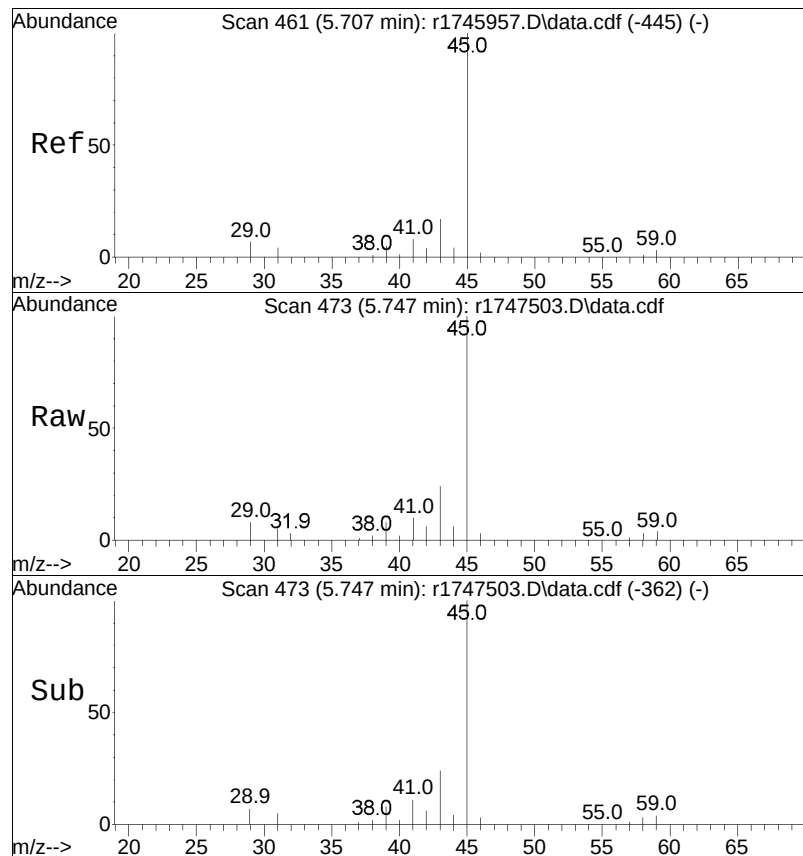




#21
trichlorofluoromethane
Concen: 0.30 ppbV
RT: 5.673 min Scan# 451
Delta R.T. 0.043 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

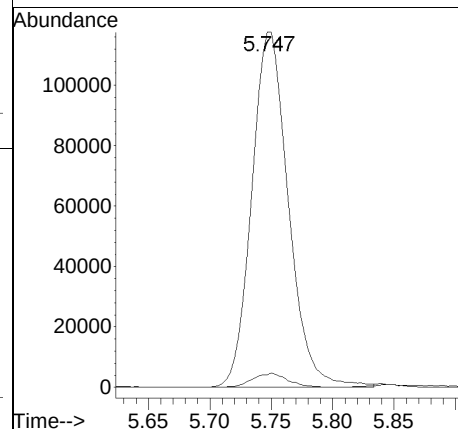
Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.9	50.9	76.3

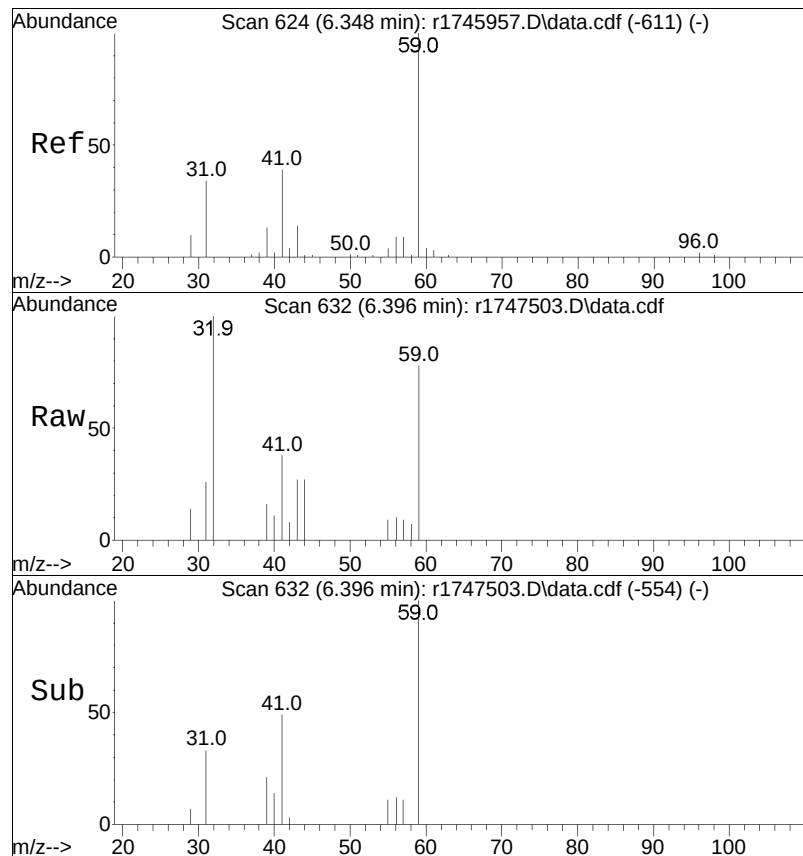




#22
 isopropyl alcohol
 Concen: 10.38 ppbV
 RT: 5.747 min Scan# 473
 Delta R.T. 0.040 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

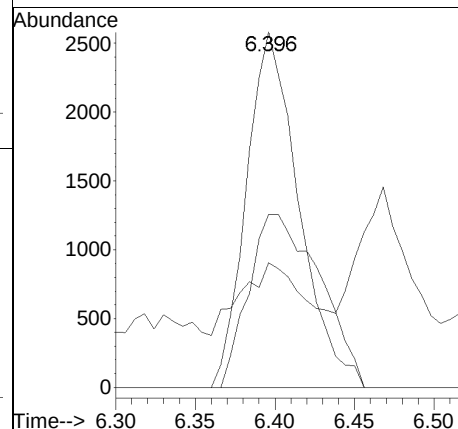
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.6	2.6	4.0

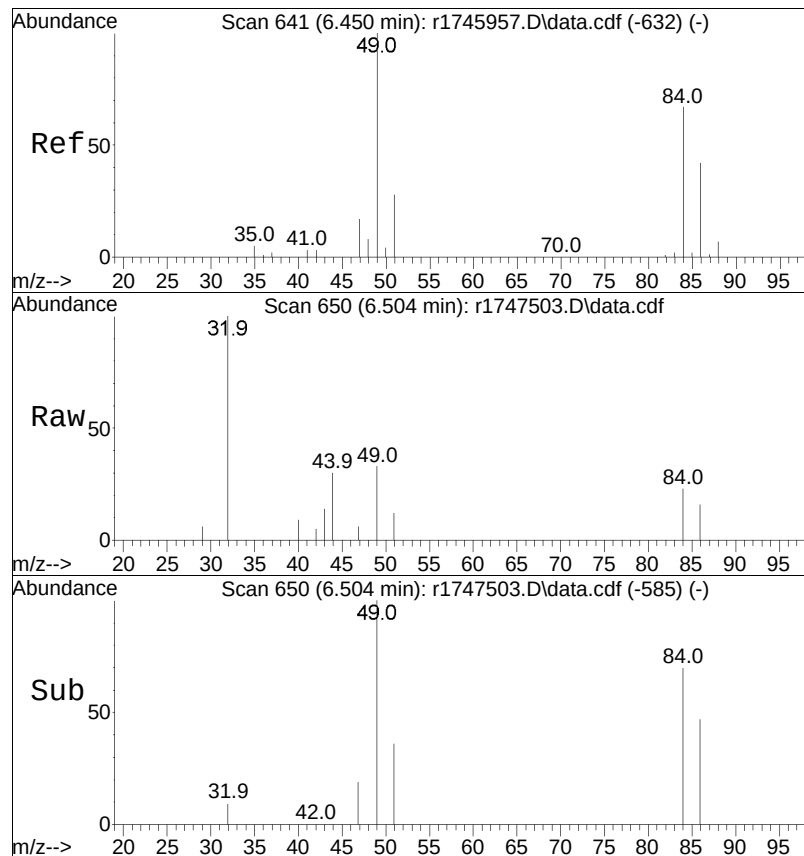




#27
 tertiary butyl alcohol
 Concen: 0.31 ppbV
 RT: 6.396 min Scan# 632
 Delta R.T. 0.048 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

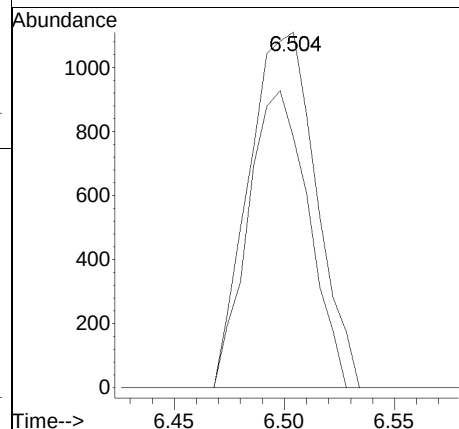
Tgt Ion:	59	Resp:	5914
Ion Ratio	Lower	Upper	
59	100		
41	48.7	31.1	46.7#
43	35.1	11.7	17.5#

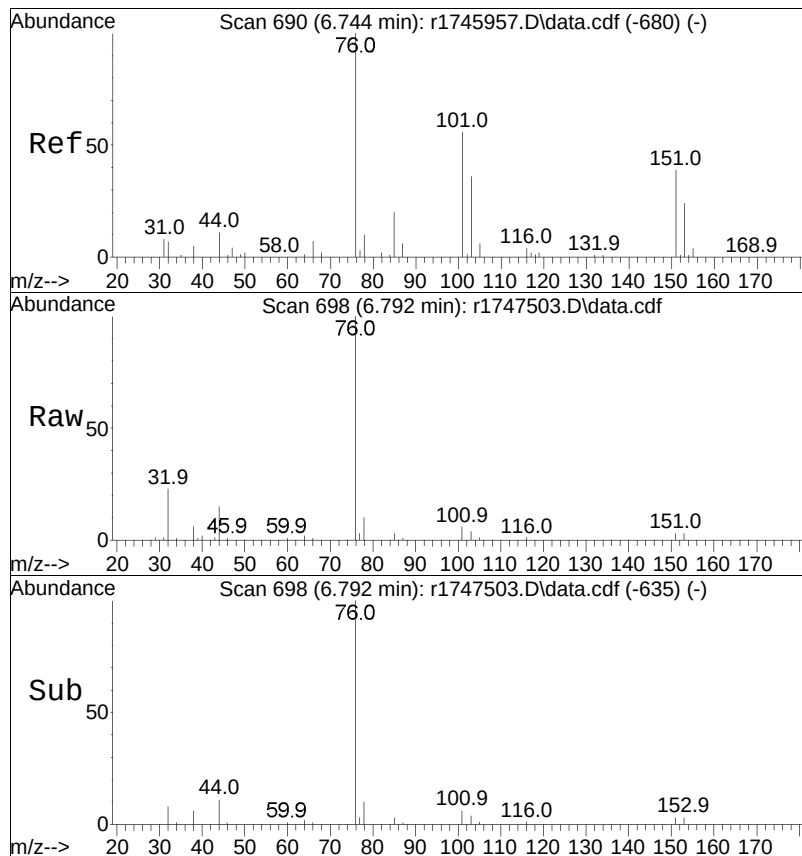




#28
 methylene chloride
 Concen: 0.14 ppbV
 RT: 6.504 min Scan# 650
 Delta R.T. 0.054 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

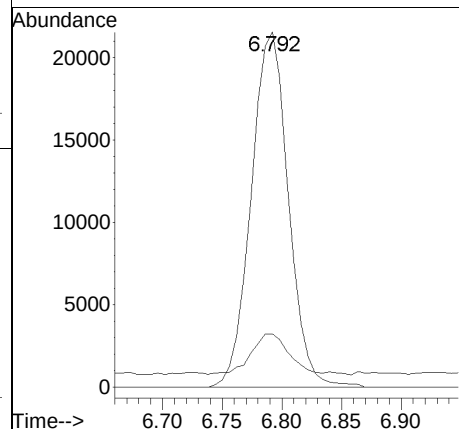
Tgt Ion:	49	Resp:	2361
Ion Ratio	Lower	Upper	
49	100		
84	70.4	53.4	80.0

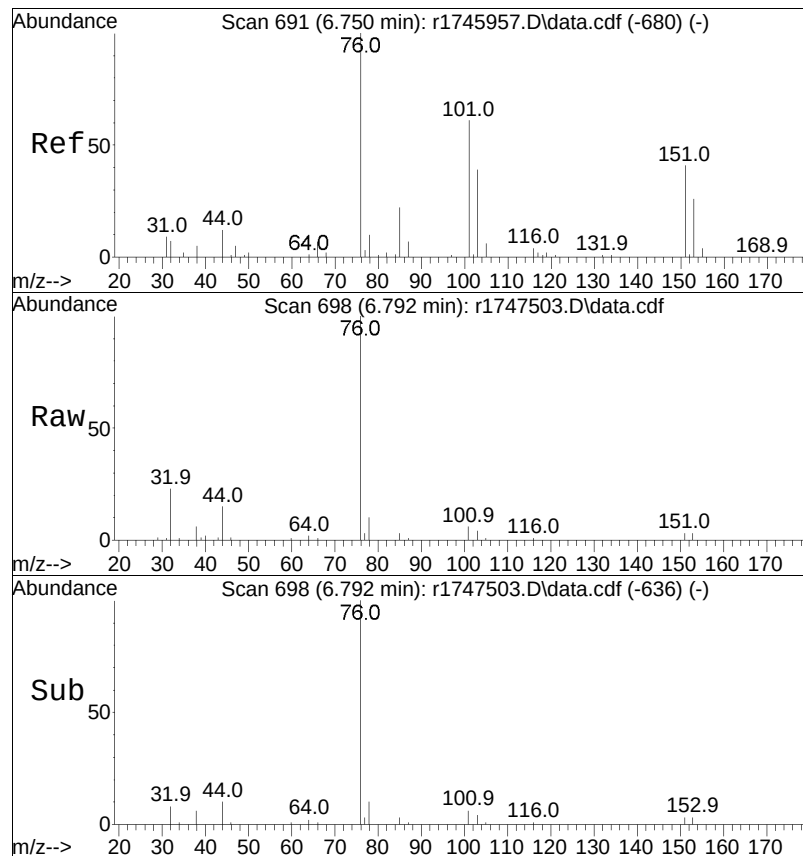




#30
 carbon disulfide
 Concen: 1.19 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.048 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

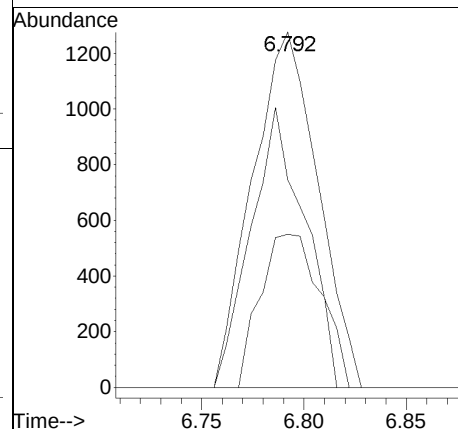
Tgt Ion	Ratio	Lower	Upper
76	100		
44	15.0	9.4	14.0#

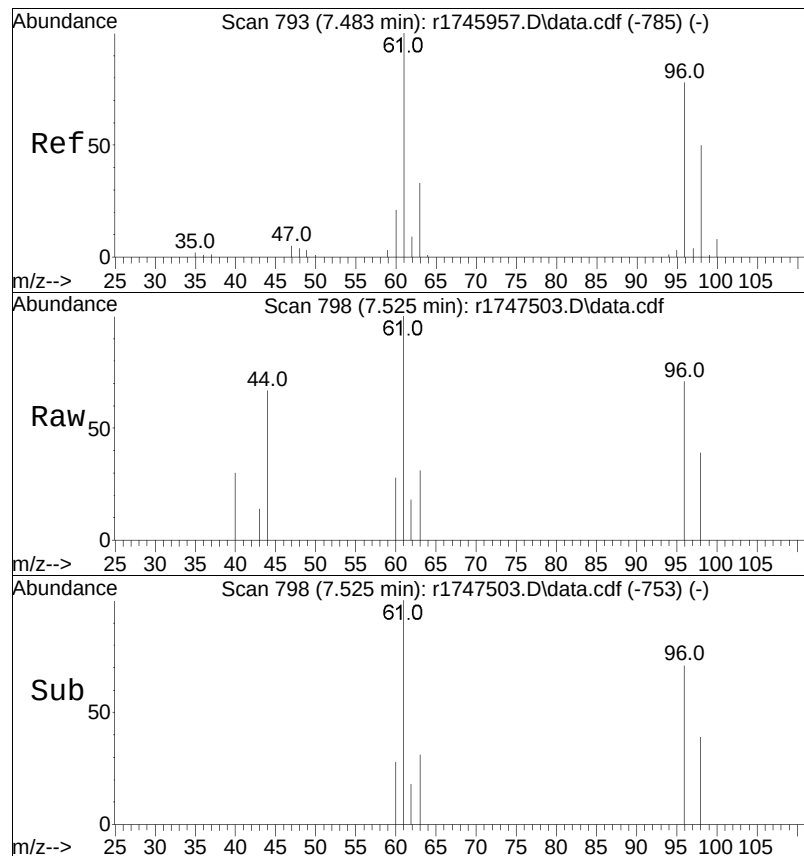




#31
 Freon 113
 Concen: 0.11 ppbV
 RT: 6.792 min Scan# 698
 Delta R.T. 0.042 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

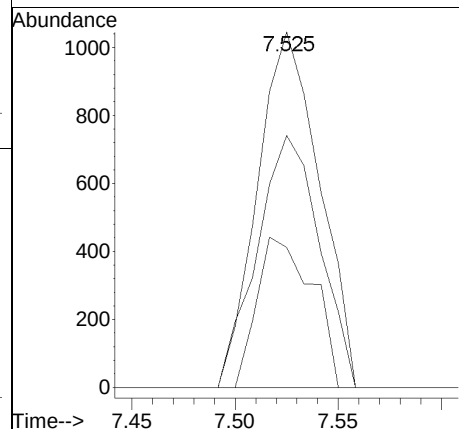
Tgt Ion:	101	Resp:	2835
Ion Ratio	Lower	Upper	
101	100		
85	43.1	29.0	43.4
151	58.5	53.6	80.4

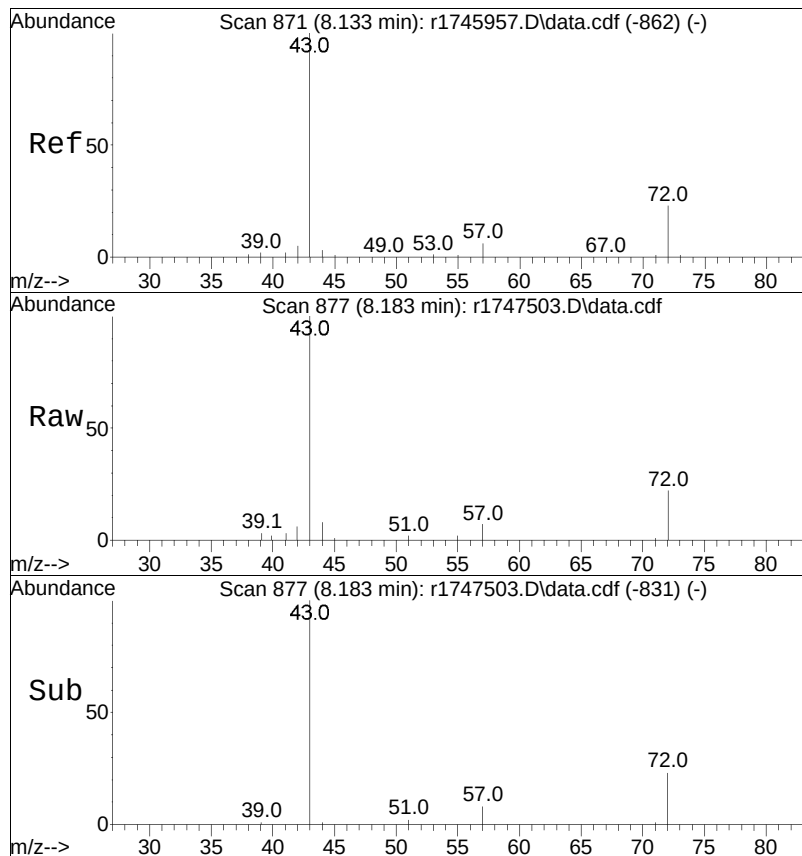




#32
 trans-1,2-dichloroethene
 Concen: 0.12 ppbV
 RT: 7.525 min Scan# 798
 Delta R.T. 0.042 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

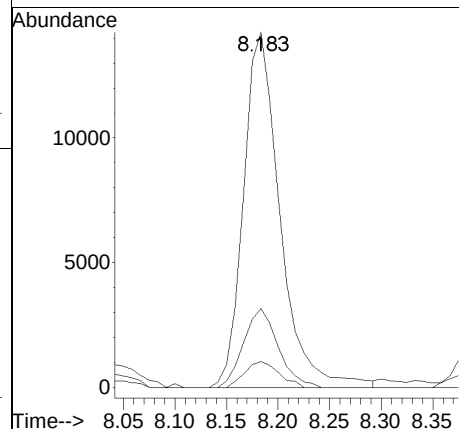
Tgt Ion:	61	Resp:	2186
Ion Ratio	Lower	Upper	
61	100		
96	70.9	62.1	93.1
98	39.4	40.0	60.0#

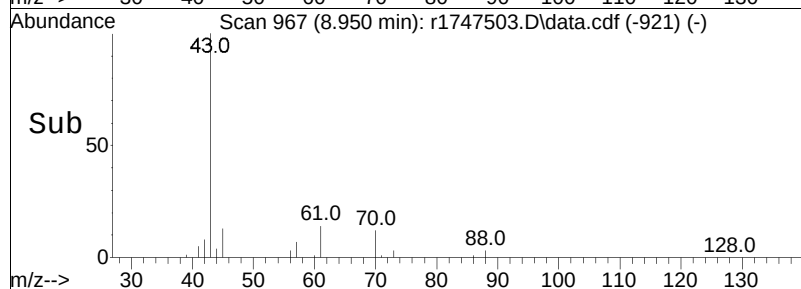
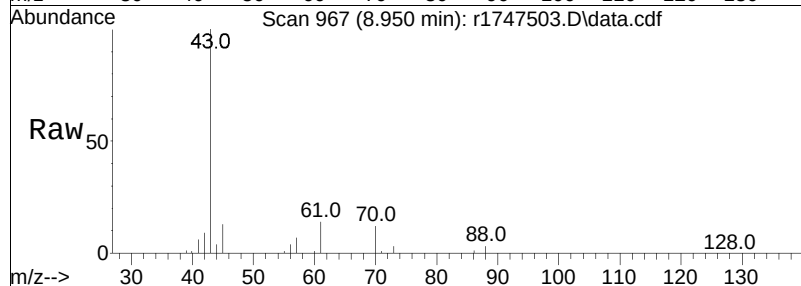
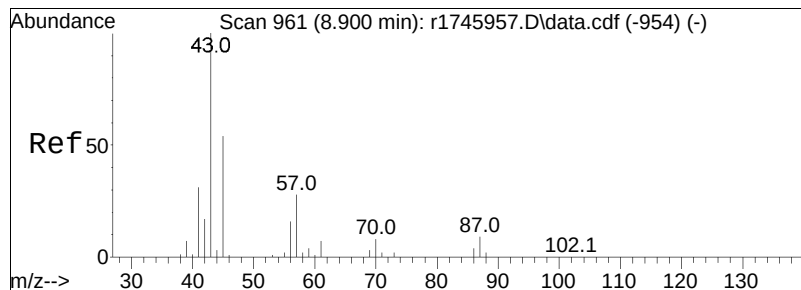




#36
 2-butanone
 Concen: 1.11 ppbV
 RT: 8.183 min Scan# 877
 Delta R.T. 0.050 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

Tgt Ion:	43	Resp:	35026
Ion Ratio	Lower	Upper	
43	100		
72	22.2	18.1	27.1
57	7.3	4.6	6.8#





#38

Ethyl Acetate

Concen: 6.75 ppbV

RT: 8.950 min Scan# 967

Delta R.T. 0.050 min

Lab File: r1747503.D

Acq: 7 Mar 2025 6:23 AM

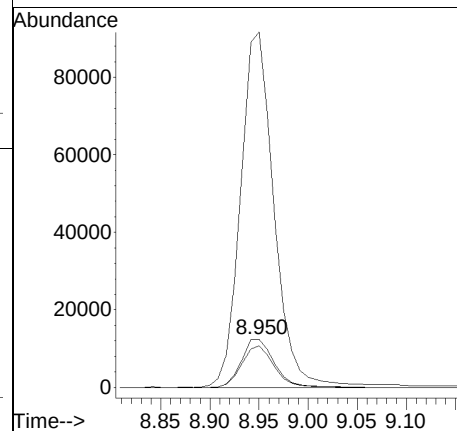
Tgt Ion: 61 Resp: 29160

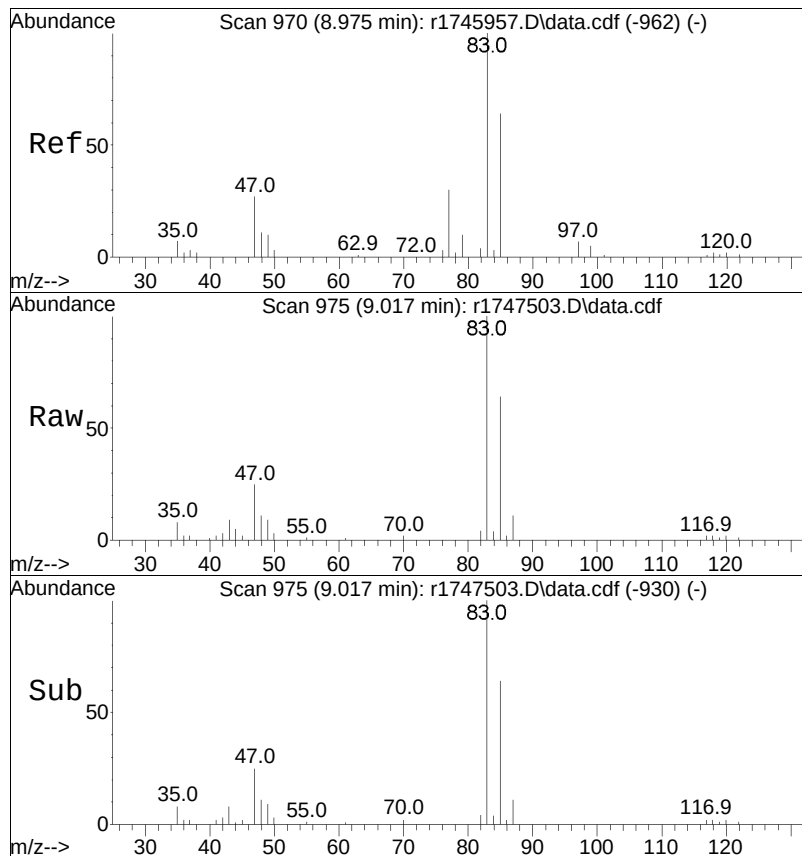
Ion Ratio Lower Upper

61 100

70 86.6 85.8 128.8

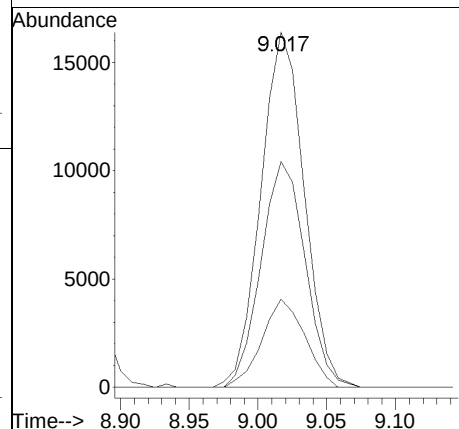
43 738.7 1077.6 1616.4#

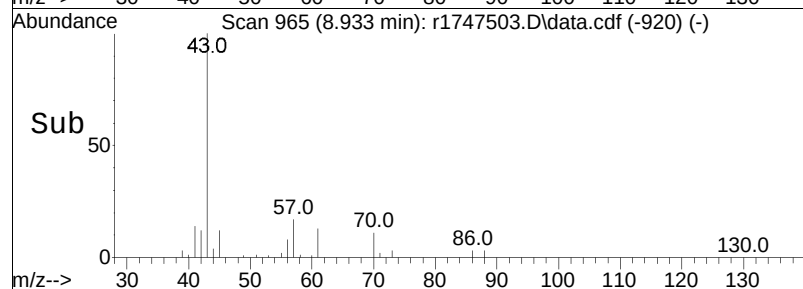
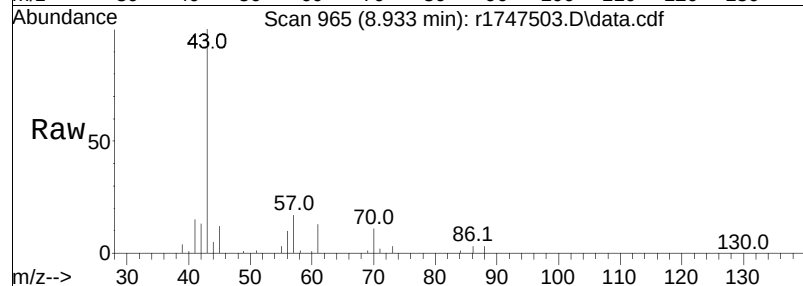
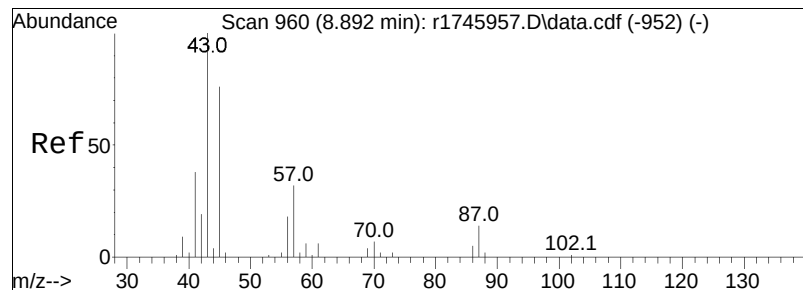




#39
 chloroform
 Concen: 1.56 ppbV
 RT: 9.017 min Scan# 975
 Delta R.T. 0.042 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

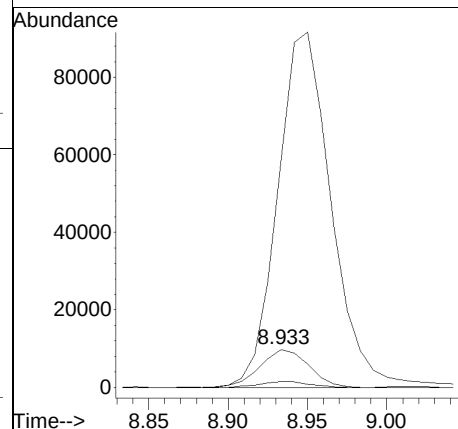
Tgt	Ion: 83	Resp:	36104
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
47	24.8	21.4	32.2

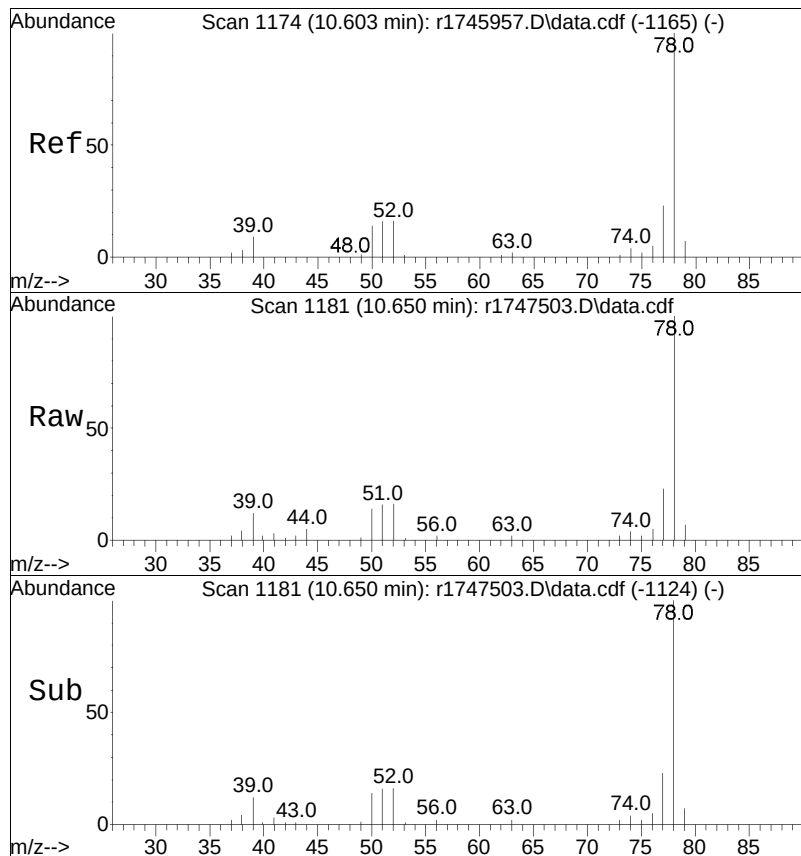




#44
hexane
Concen: 1.01 ppbV
RT: 8.933 min Scan# 965
Delta R.T. 0.042 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

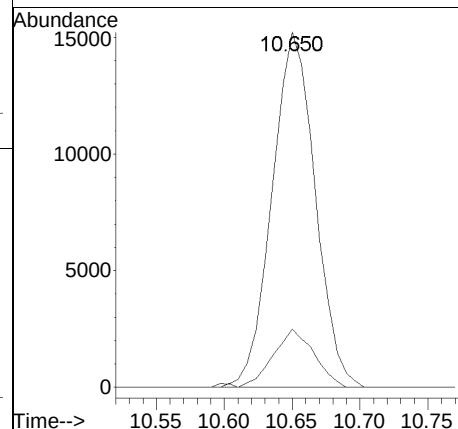
Tgt Ion	Ratio	Lower	Upper
57	100		
43	601.1	247.4	371.0#
86	15.4	12.9	19.3

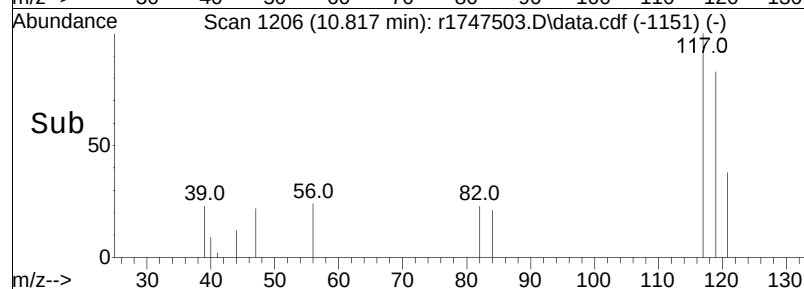
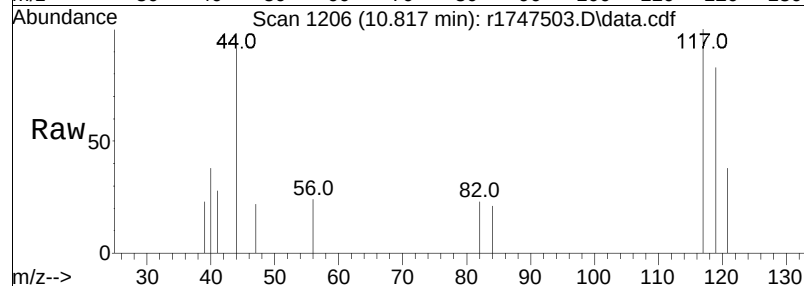
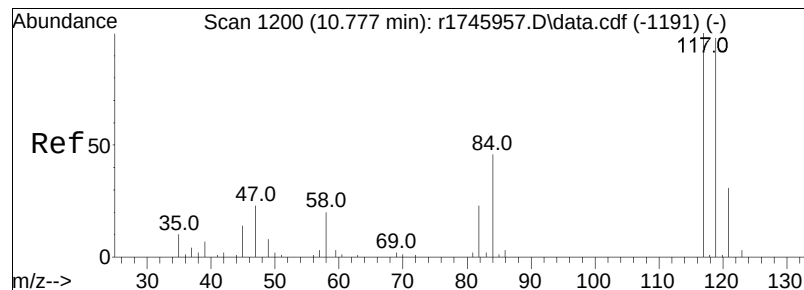




#50
benzene
Concen: 0.75 ppbV
RT: 10.650 min Scan# 1181
Delta R.T. 0.047 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

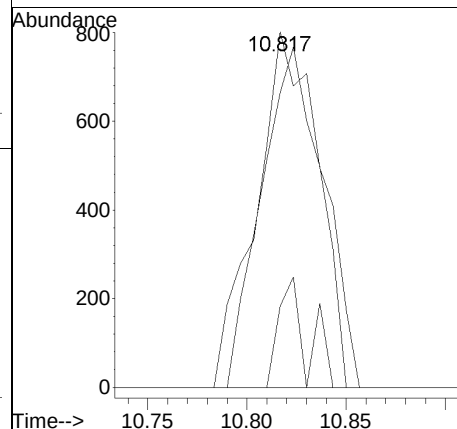
Tgt Ion	Ratio	Lower	Upper
78	100		
52	16.4	12.5	18.7

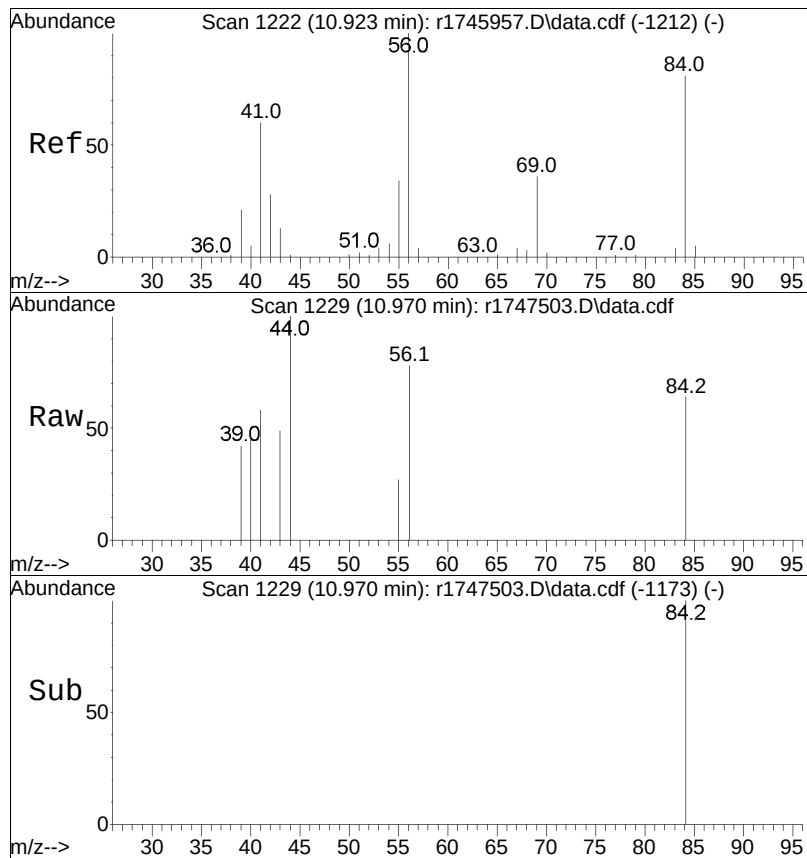




#52
 carbon tetrachloride
 Concen: 0.11 ppbV
 RT: 10.817 min Scan# 1206
 Delta R.T. 0.040 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

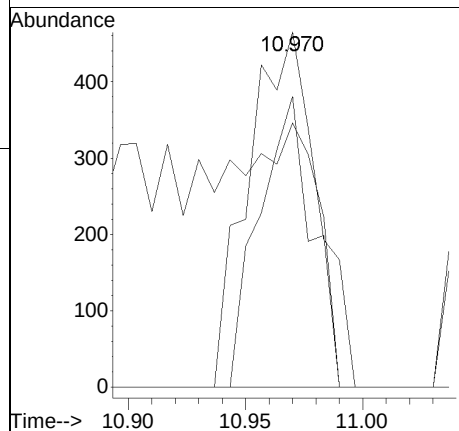
Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.9	78.2	117.2
82	22.8	18.6	28.0

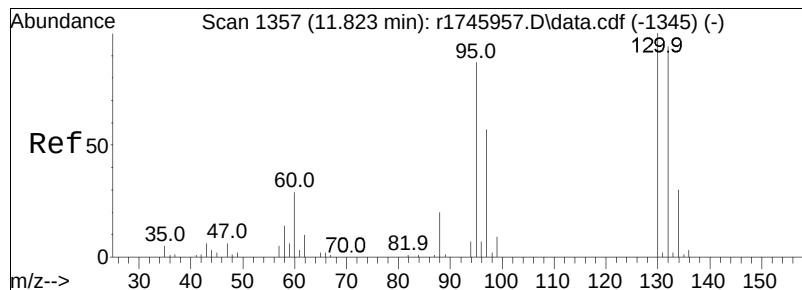




#53
cyclohexane
Concen: 0.04 ppbV
RT: 10.970 min Scan# 1229
Delta R.T. 0.047 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

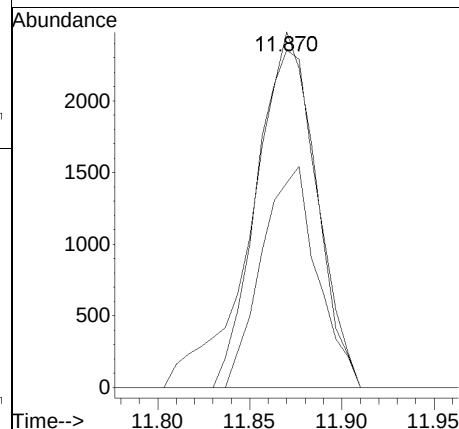
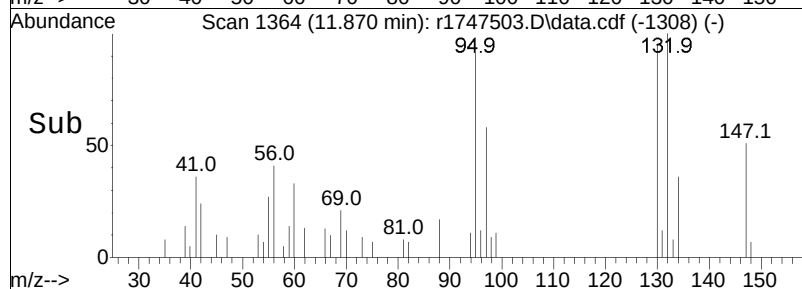
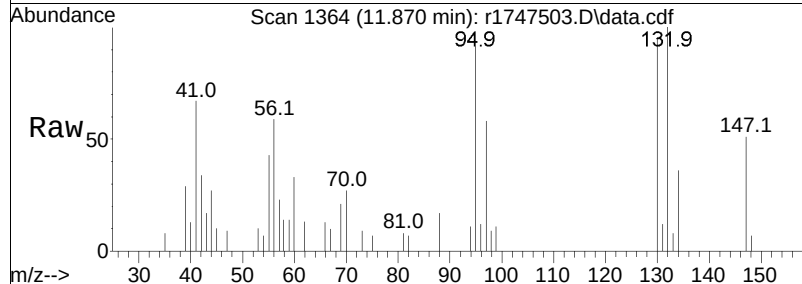
Tgt	Ion: 56	Resp:	963
Ion	Ratio	Lower	Upper
56	100		
84	81.9	65.4	98.0
41	74.4	48.2	72.4#

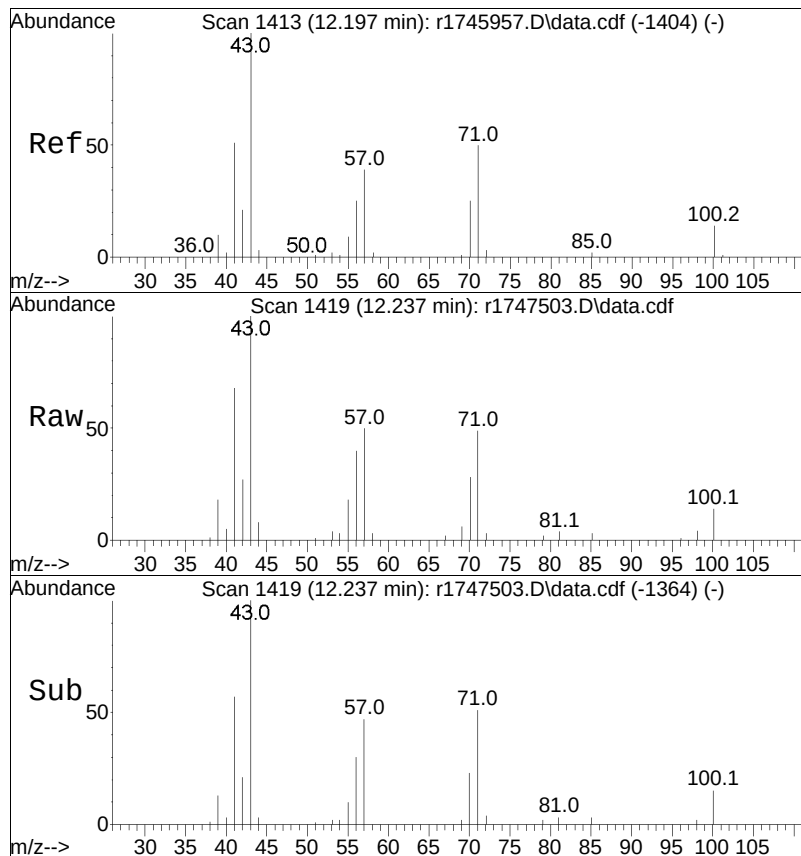




#59
 trichloroethene
 Concen: 0.27 ppbV
 RT: 11.870 min Scan# 1364
 Delta R.T. 0.047 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

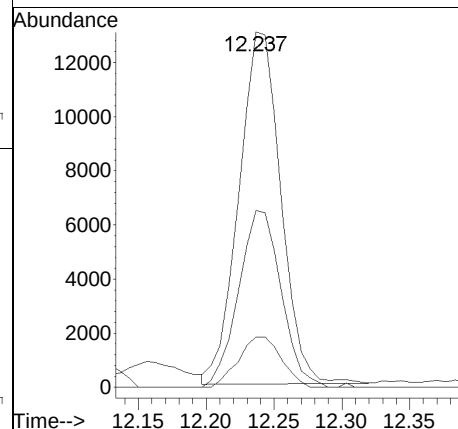
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		5492		
132	105.4	75.5		113.3	
97	60.6	45.9		68.9	

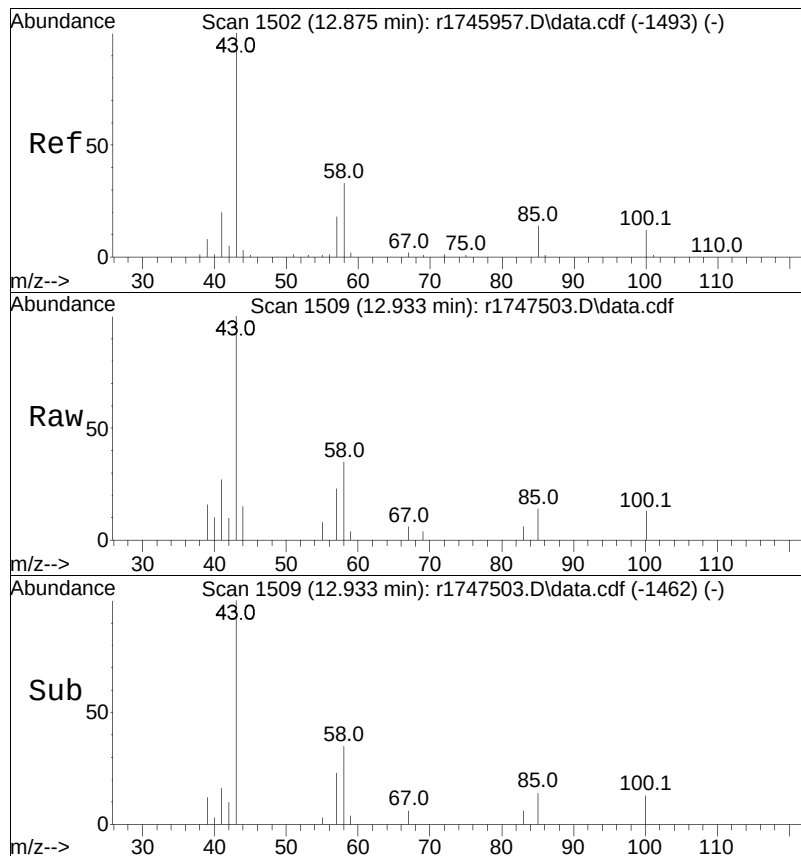




#62
 heptane
 Concen: 0.90 ppbV
 RT: 12.237 min Scan# 1419
 Delta R.T. 0.040 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

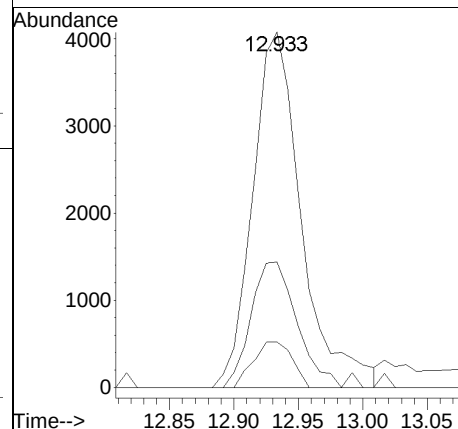
Tgt Ion:	43	57	100	Resp:	28000	Lower	Upper
Ratio	100	49.8	14.2				
		31.1	11.4				
		46.7#	17.2				

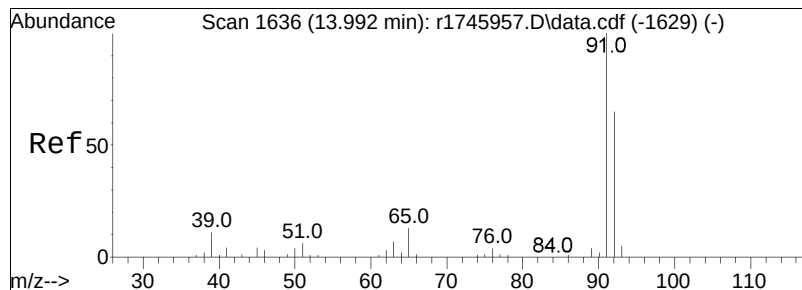




#64
 4-methyl-2-pentanone
 Concen: 0.29 ppbV
 RT: 12.933 min Scan# 1509
 Delta R.T. 0.058 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

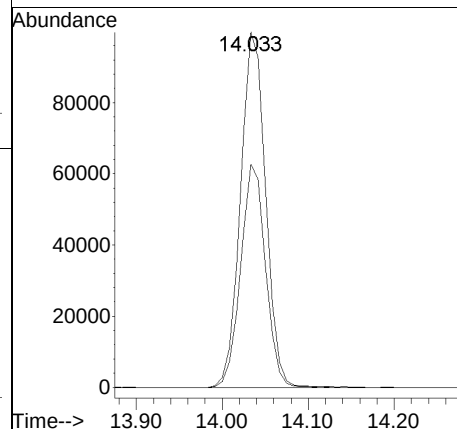
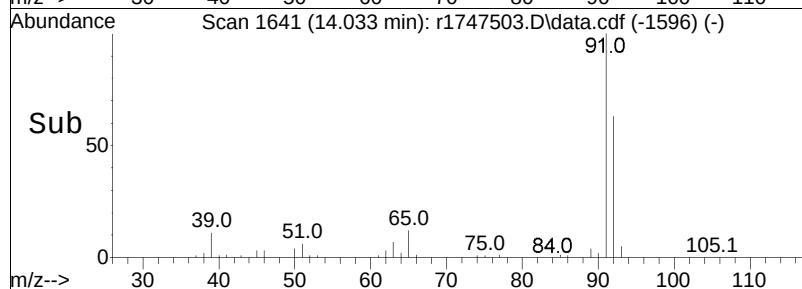
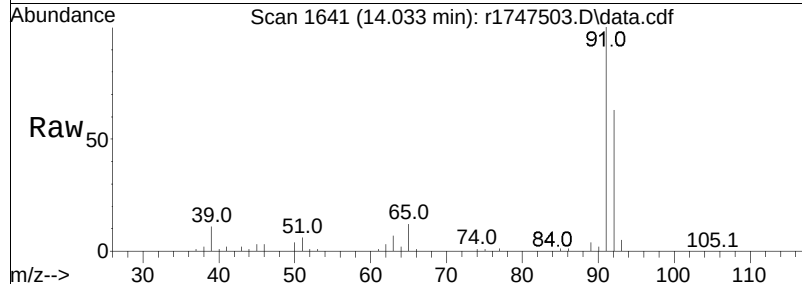
Tgt Ion:	43	Resp:	10694
Ion Ratio	Lower	Upper	
43	100		
58	35.3	26.0	39.0
100	12.8	9.8	14.6

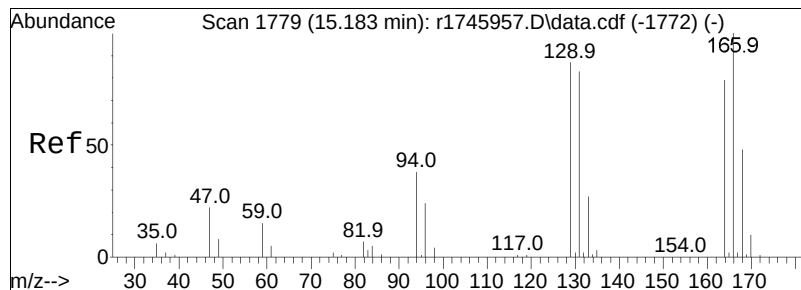




#68
toluene
Concen: 3.43 ppbV
RT: 14.033 min Scan# 1641
Delta R.T. 0.042 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

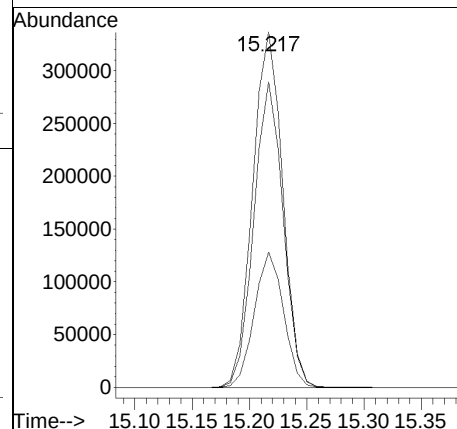
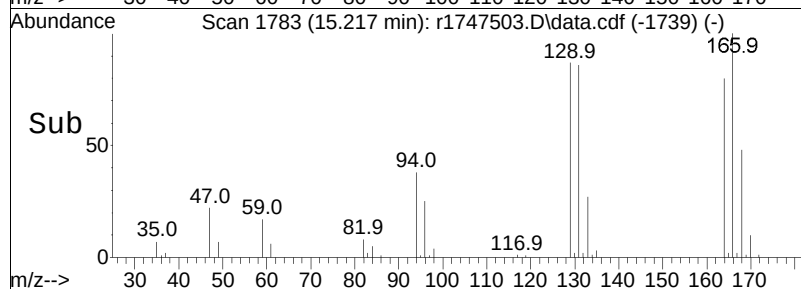
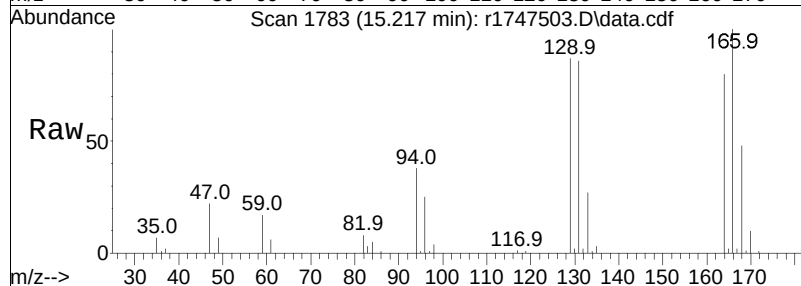
Tgt	Ion	Resp	Lower	Upper
91	100	202652		
92	62.8	51.7	77.5	

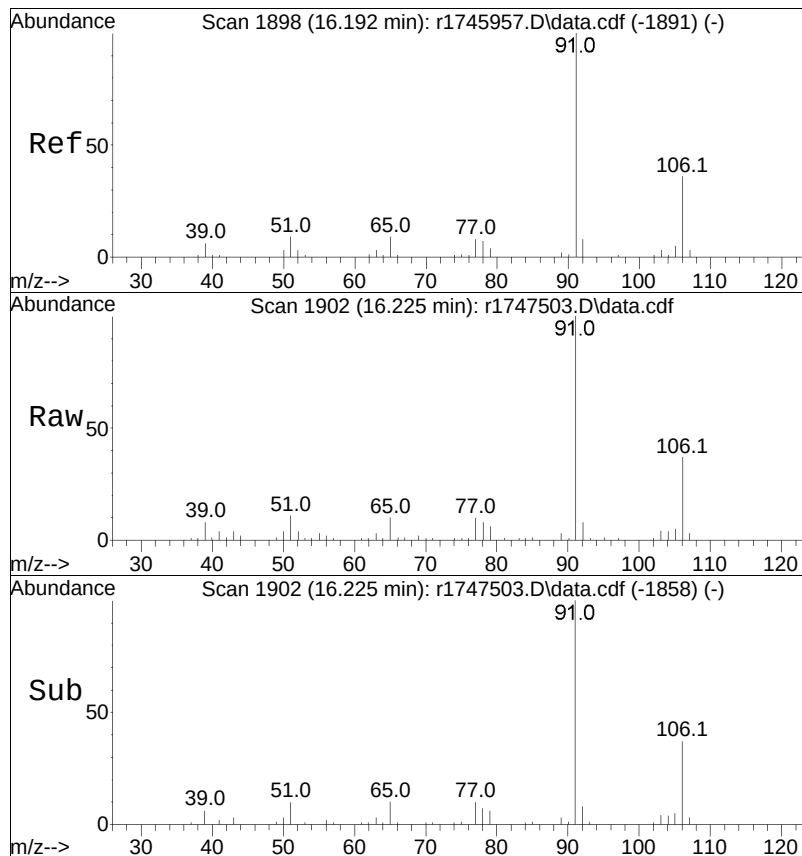




#78
 tetrachloroethene
 Concen: 25.31 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

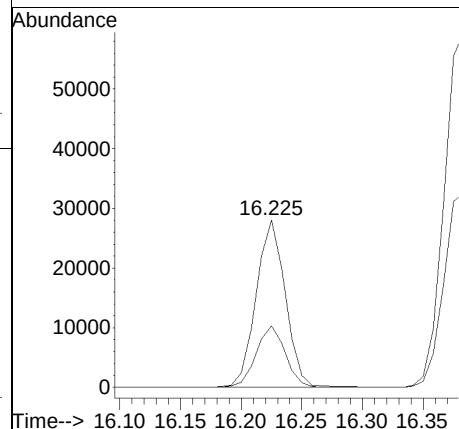
Tgt	Ion:166	Resp:	613125
Ion	Ratio	Lower	Upper
166	100		
131	86.0	66.4	99.6
94	38.1	30.1	45.1

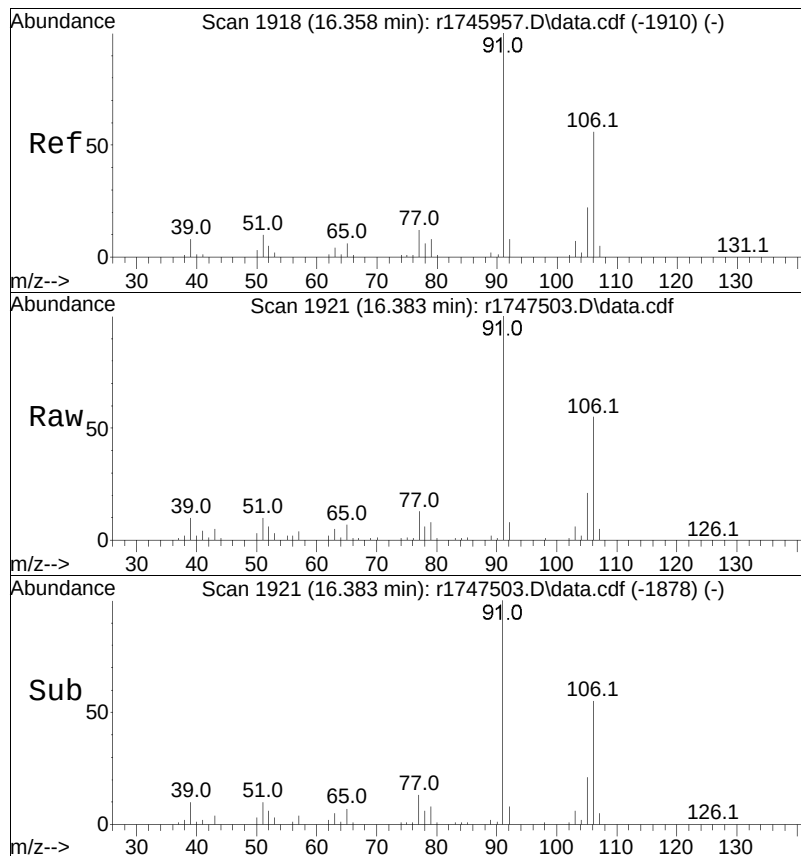




#81
ethylbenzene
Concen: 0.62 ppbV
RT: 16.225 min Scan# 1902
Delta R.T. 0.033 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

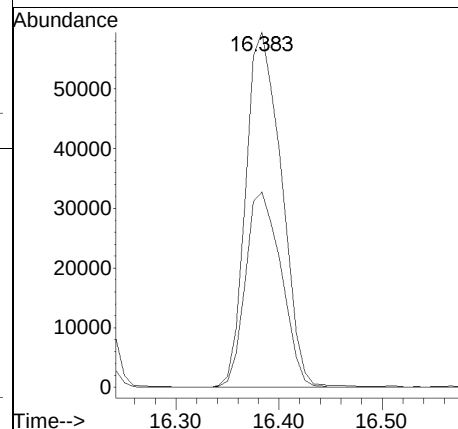
Tgt	Ion	Resp	Lower	Upper
91	100	47124		
106	36.8	28.5	42.7	

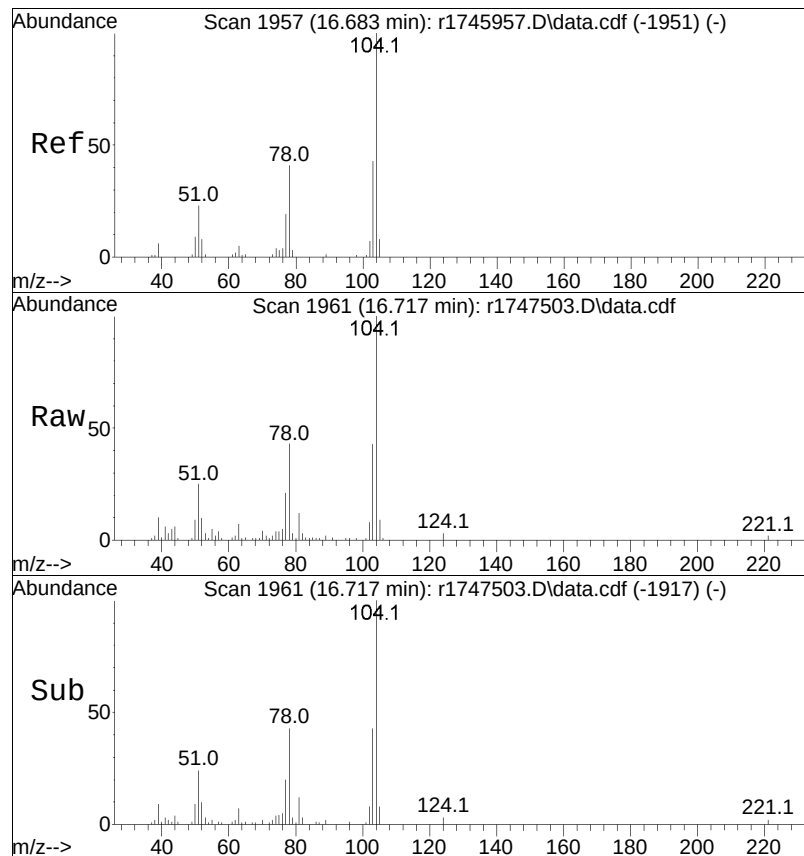




#83
 m+p-xylene
 Concen: 2.39 ppbV
 RT: 16.383 min Scan# 1921
 Delta R.T. 0.025 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

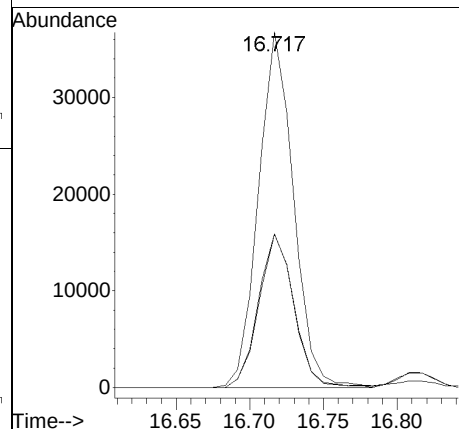
Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.0	44.7	67.1

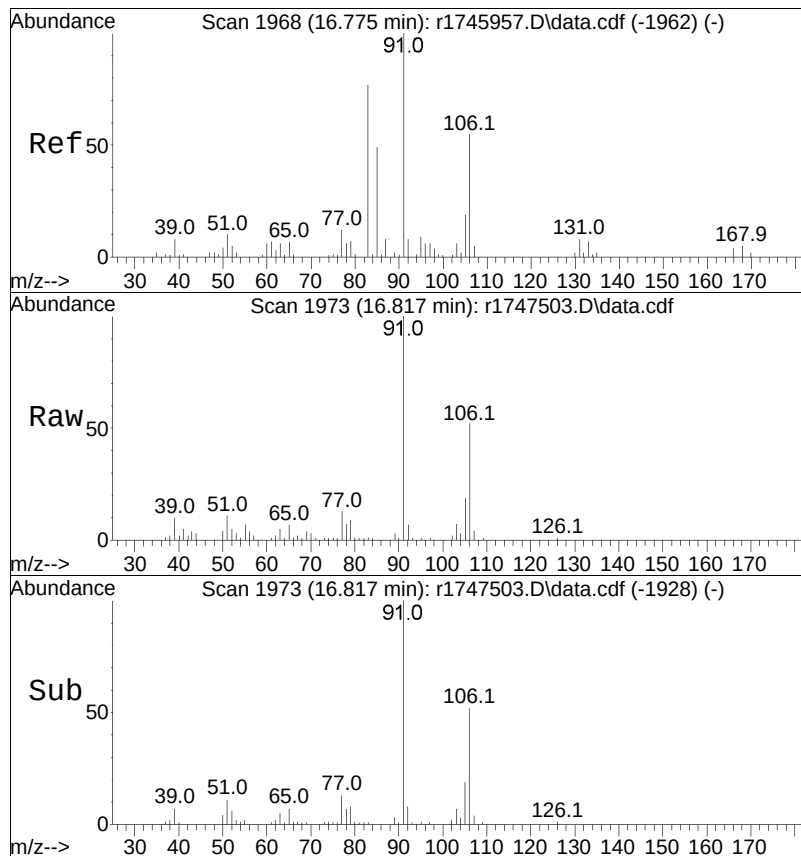




#85
styrene
Concen: 1.24 ppbV
RT: 16.717 min Scan# 1961
Delta R.T. 0.033 min
Lab File: r1747503.D
Acq: 7 Mar 2025 6:23 AM

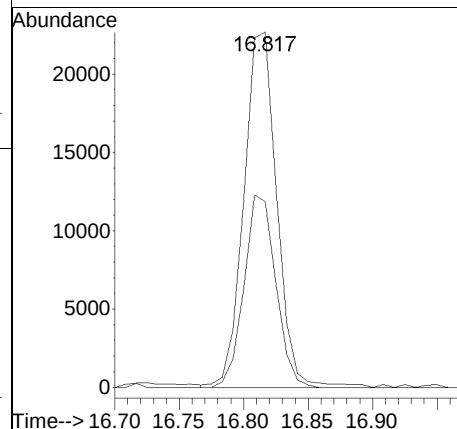
Tgt Ion:	104	Resp:	60682
Ion Ratio	Lower	Upper	
104	100		
103	43.2	34.1	51.1
78	43.1	32.7	49.1

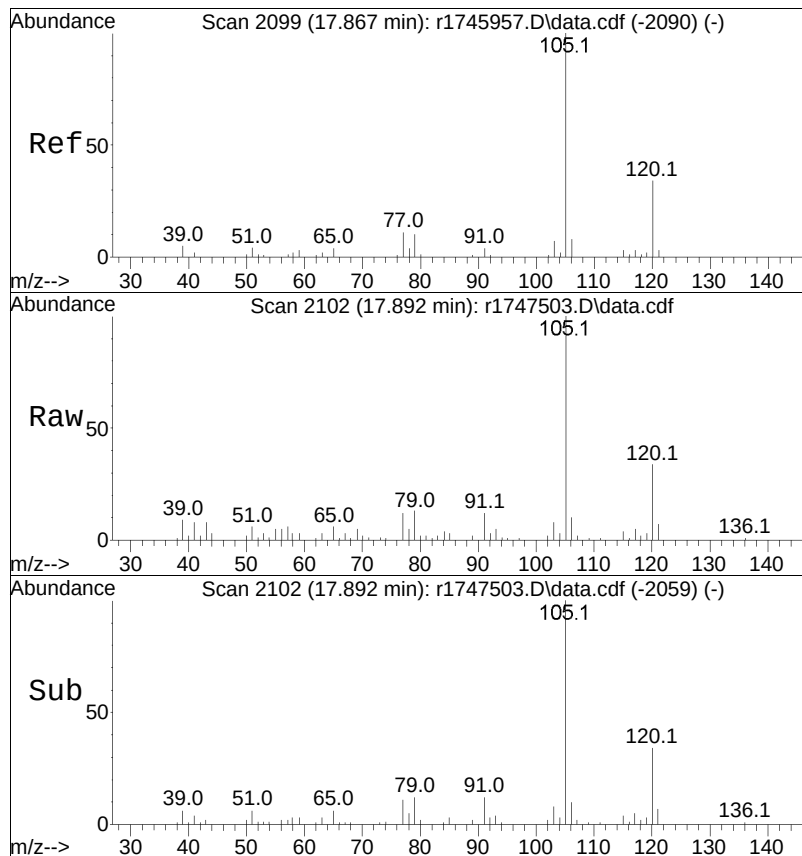




#87
 o-xylene
 Concen: 0.67 ppbV
 RT: 16.817 min Scan# 1973
 Delta R.T. 0.042 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

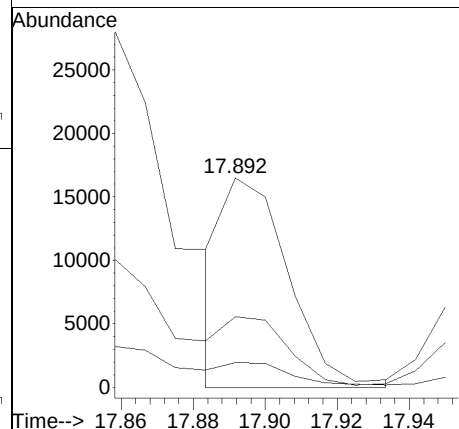
Tgt Ion	Ratio	Lower	Upper
91	100		
106	52.3	43.9	65.9

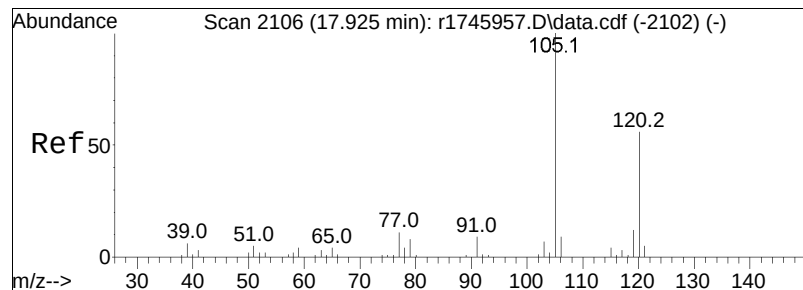




#96
 4-ethyl toluene
 Concen: 0.26 ppbV m
 RT: 17.892 min Scan# 2102
 Delta R.T. 0.025 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

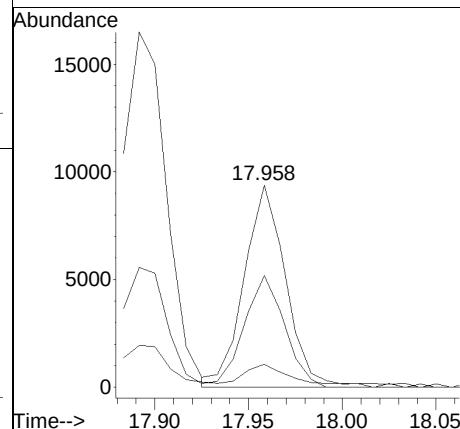
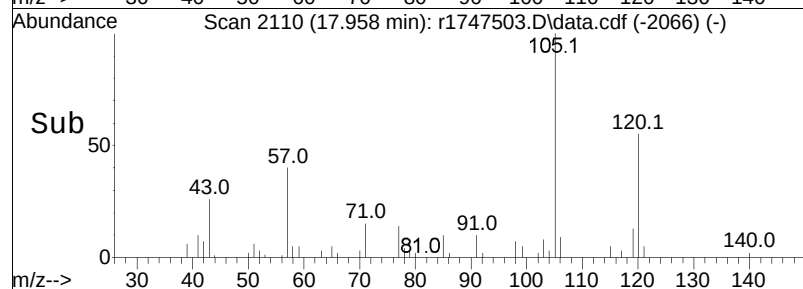
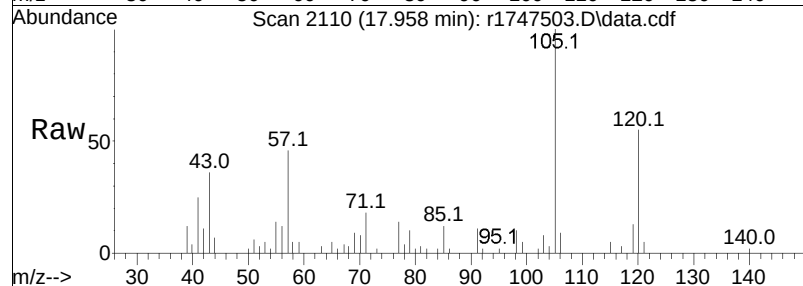
Tgt Ion	Ratio	Lower	Upper
105	100		
120	33.8	26.9	40.3
91	11.8	7.8	11.6

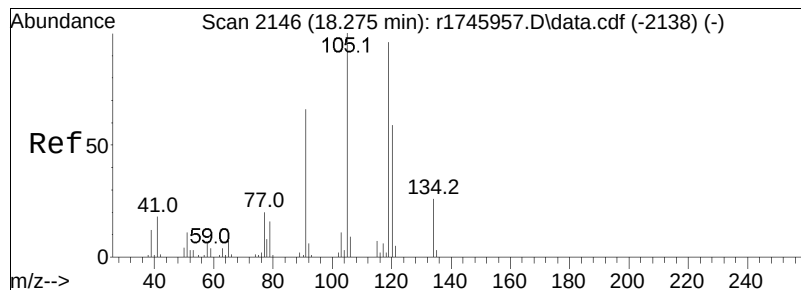




#97
 1,3,5-trimethylbenzene
 Concen: 0.21 ppbV
 RT: 17.958 min Scan# 2110
 Delta R.T. 0.033 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

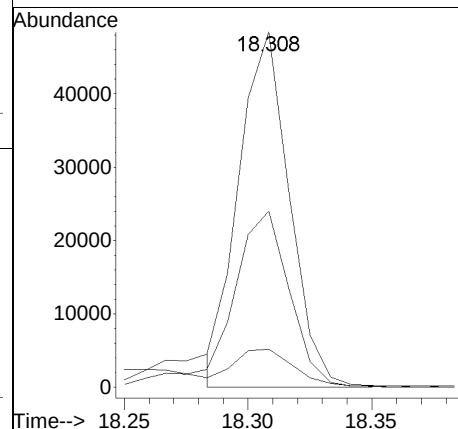
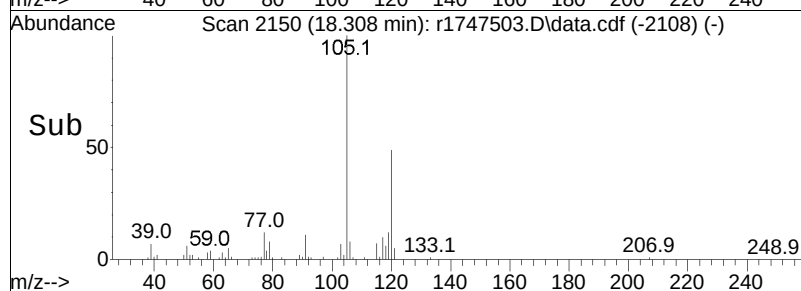
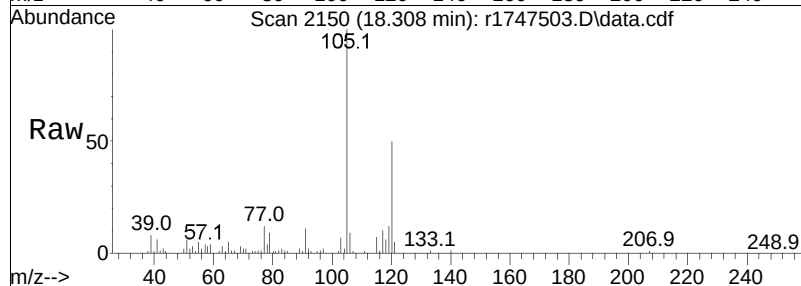
Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.3	44.6	66.8
91	11.4	7.4	11.0#

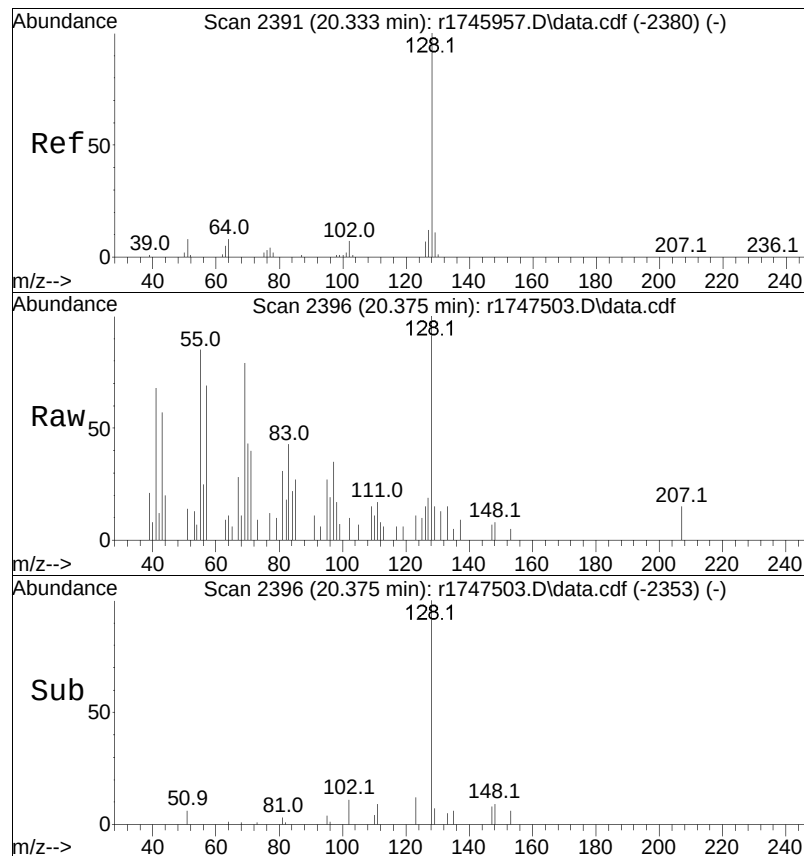




#99
 1,2,4-trimethylbenzene
 Concen: 1.02 ppbV m
 RT: 18.308 min Scan# 2150
 Delta R.T. 0.033 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

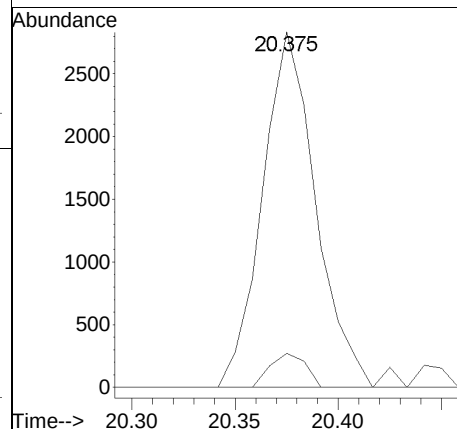
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	47.1	70.7
91	10.8	53.0	79.4#





#116
 naphthalene
 Concen: 0.06 ppbV
 RT: 20.375 min Scan# 2396
 Delta R.T. 0.042 min
 Lab File: r1747503.D
 Acq: 7 Mar 2025 6:23 AM

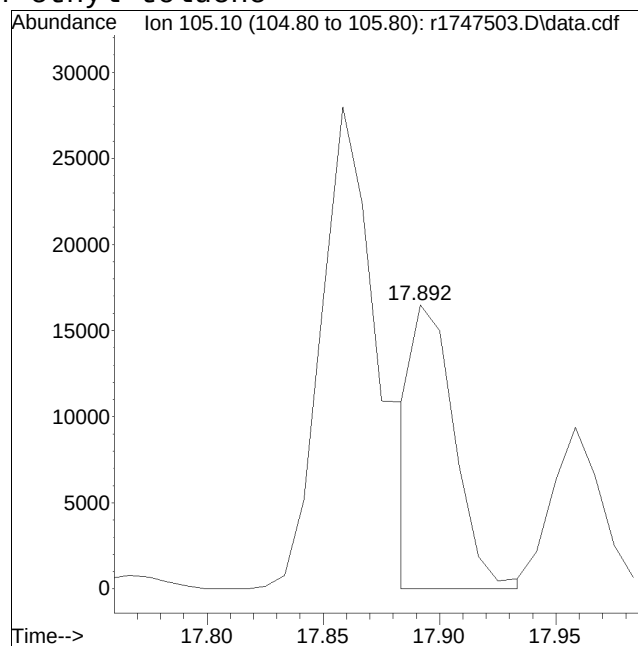
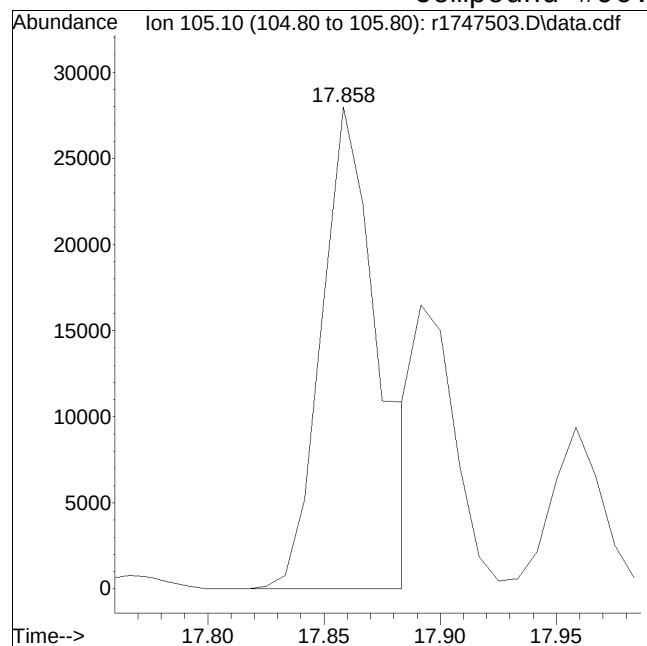
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		5081		
102	9.6		5.9		8.9#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747503.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 6:23 AM Instrument :
Sample : L2509499-12,3,250,250 Quant Date : 3/7/2025 7:51 am

Compound #96: 4-ethyl toluene



Original Peak Response = 47591

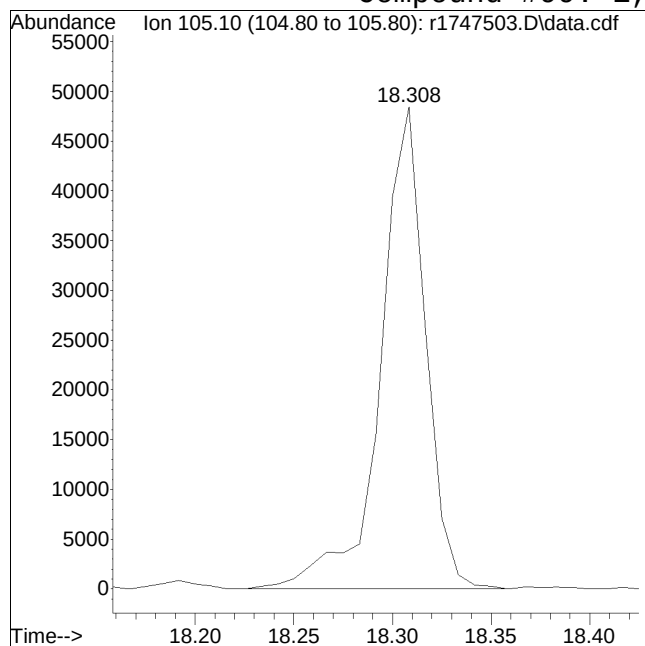
Manual Peak Response = 20791 M3

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

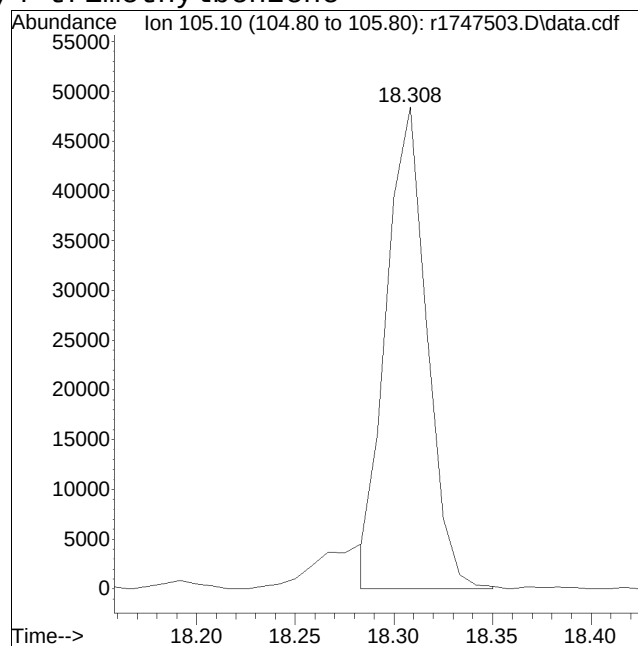
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747503.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 6:23 AM Instrument :
Sample : L2509499-12,3,250,250 Quant Date : 3/7/2025 7:51 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 77338

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



Manual Peak Response = 69353 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747504.D
 Acq On : 7 Mar 2025 7:02 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-13,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:53:04 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	238028	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		91.75%	
43) 1,4-difluorobenzene	11.070	114	613215	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		86.80%	
67) chlorobenzene-D5	15.825	54	99776	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		93.79%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	15232	0.640	ppbV	97
6) chloromethane	4.060	50	2075	0.161	ppbV	100
7) Freon-114	4.162		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	4.984	31	49583	5.537	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	80292M6	4.393	ppbV	
21) trichlorofluoromethane	5.670	101	4752	0.225	ppbV	99
22) isopropyl alcohol	5.757	45	42464	1.838	ppbV #	98
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.408		0	N.D.		
28) methylene chloride	6.492	49	1574	0.094	ppbV	85
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.792		0	N.D.		
31) Freon 113	6.786	101	2354	0.096	ppbV	96
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	8.200	43	2891	0.093	ppbV #	88
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.958	61	673	0.159	ppbV #	1
39) chloroform	9.017	83	50339	2.224	ppbV	97
40) Tetrahydrofuran	9.475	42	3859	0.211	ppbV #	85
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.933	57	4754	0.240	ppbV #	1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747504.D
 Acq On : 7 Mar 2025 7:02 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-13,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:53:04 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.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	10.650	78	8960	0.208	ppbV	98
52) carbon tetrachloride	10.823	117	1506	0.092	ppbV	93
53) cyclohexane	0.000		0	N.D.	d	
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	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.923		0	N.D.		
62) heptane	12.243	43	1456	0.049	ppbV #	81
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.958		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	14.033	91	44548	0.785	ppbV	96
72) 2-hexanone	14.275		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.217	166	241338	10.379	ppbV	96
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	16.225	91	14956	0.205	ppbV	90
83) m+p-xylene	16.383	91	50166	0.871	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.725		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.817	91	13905	0.241	ppbV	99
96) 4-ethyl toluene	17.900	105	6308M6	0.081	ppbV	
97) 1,3,5-trimethylbenzene	17.958	105	4562M3	0.069	ppbV	
99) 1,2,4-trimethylbenzene	18.308	105	30304M6	0.464	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.267		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	20.383		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\Airlab17\2025\03\0306T\
 Data File : r1747504.D
 Acq On : 7 Mar 2025 7:02 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-13,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

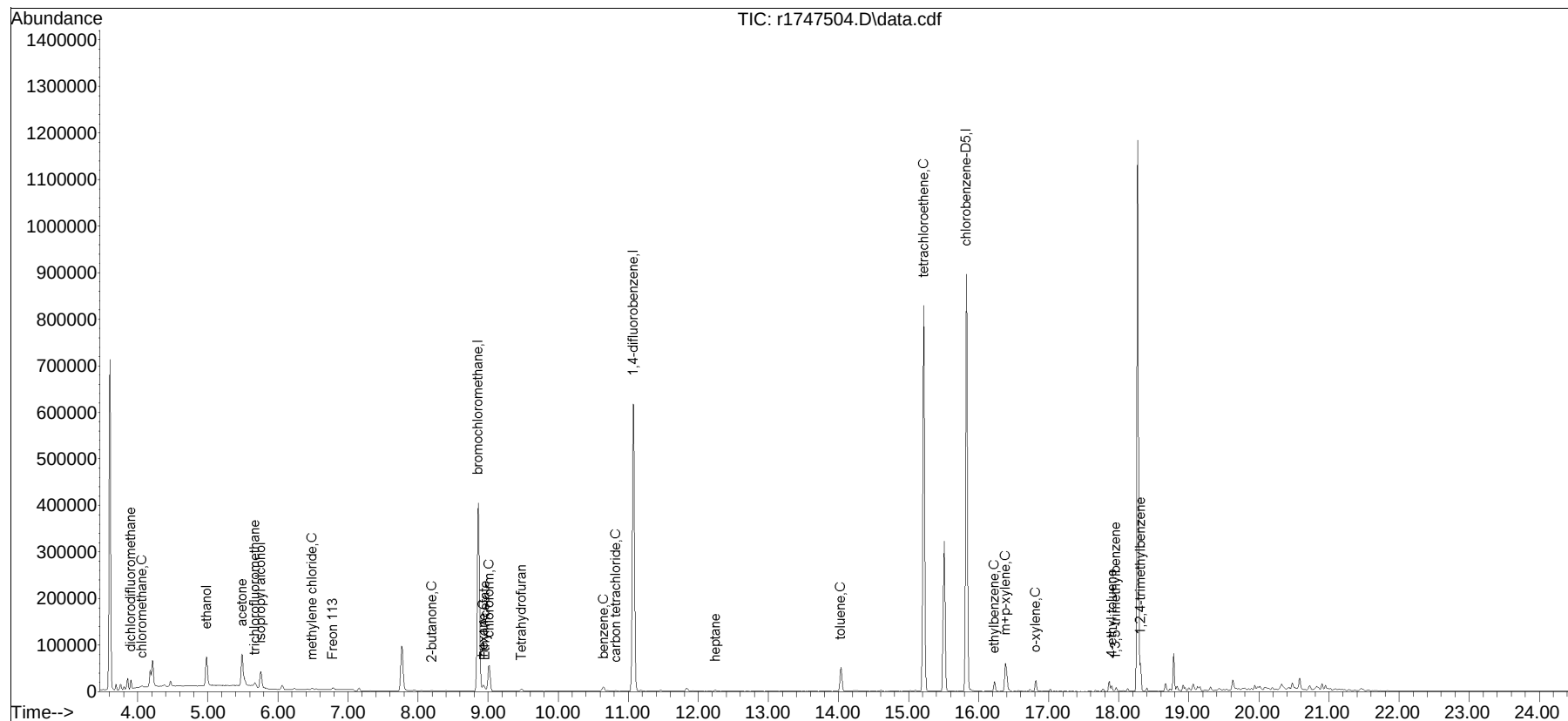
Quant Time: Mar 07 07:53:04 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

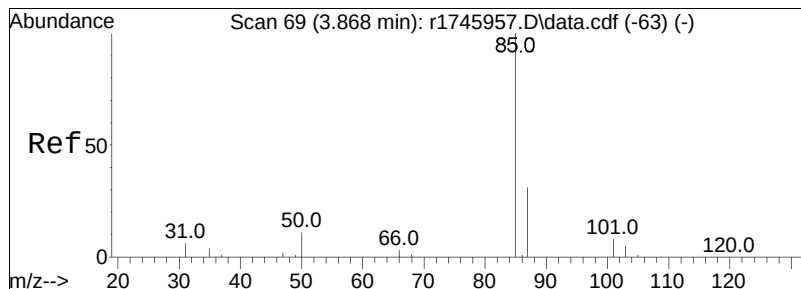
CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
Data File : r1747504.D
Acq On : 7 Mar 2025 7:02 AM
Operator : AIRLAB17:TPH
Sample : L2509499-13,3,250,250
Misc : WG2037508,ICAL21812
ALS Vial : 0 Sample Multiplier: 1

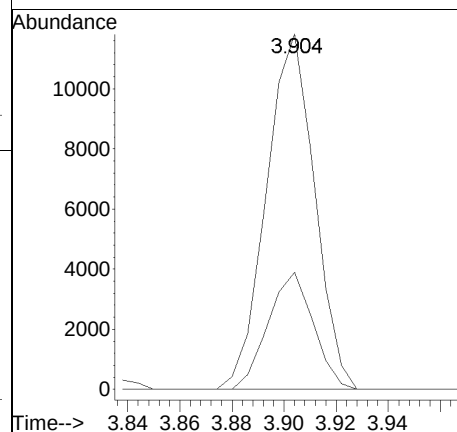
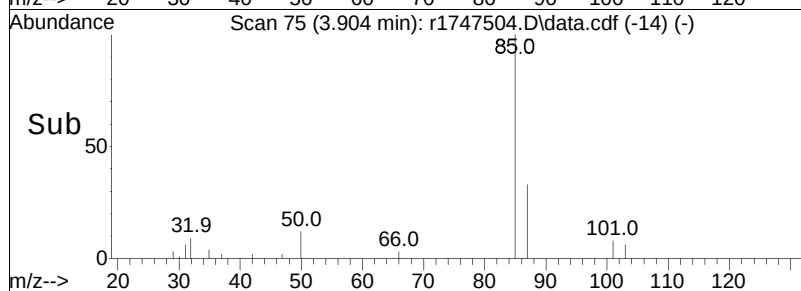
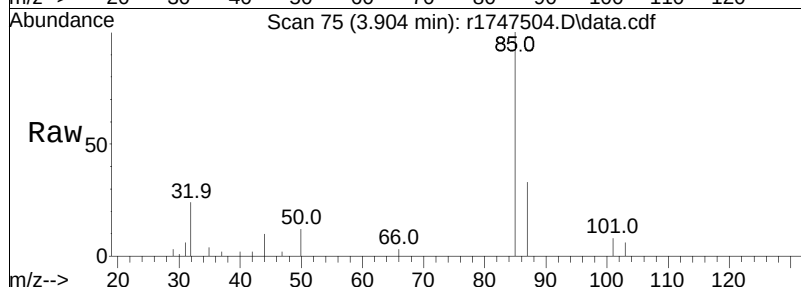
Quant Time: Mar 07 07:53:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 13:55:18 2024
Response via : Initial Calibration

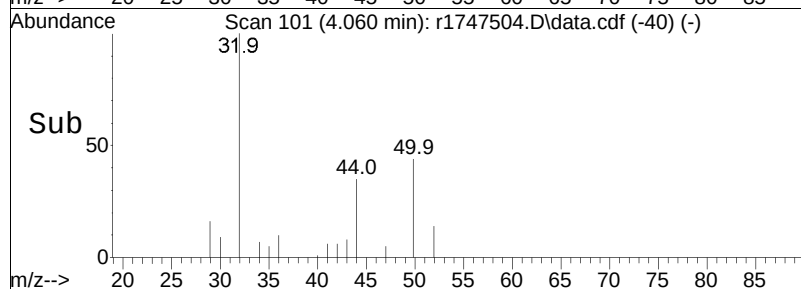
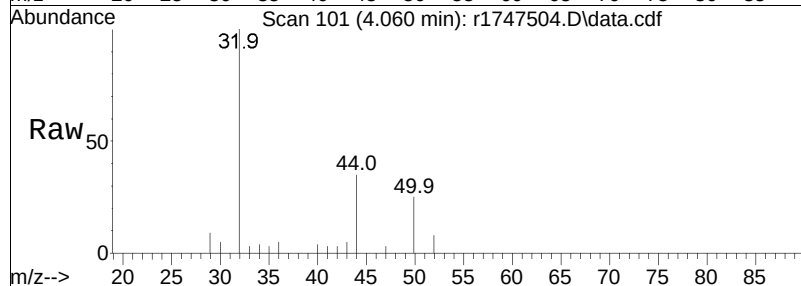
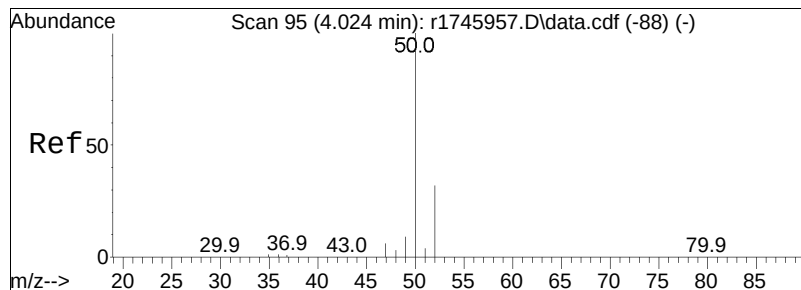




#5
dichlorodifluoromethane
Concen: 0.64 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

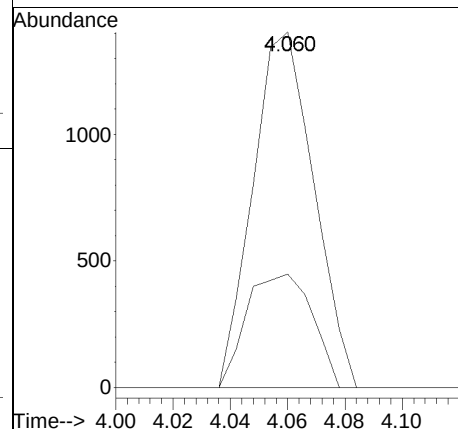
Tgt Ion: 85 Resp: 15232
Ion Ratio Lower Upper
85 100
87 33.0 25.2 37.8

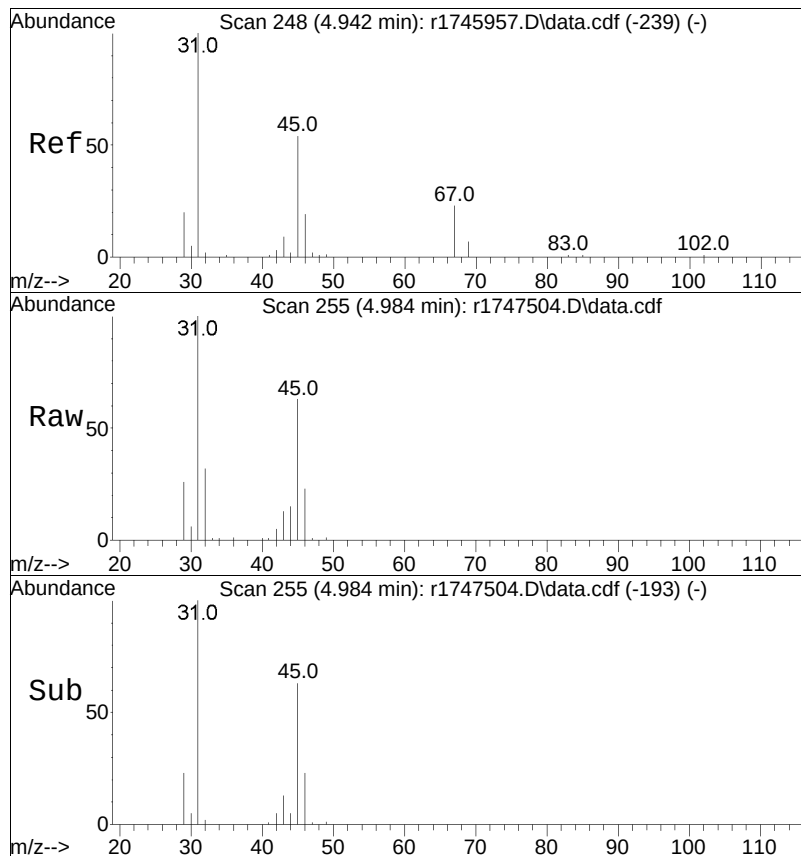




#6
 chloromethane
 Concen: 0.16 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

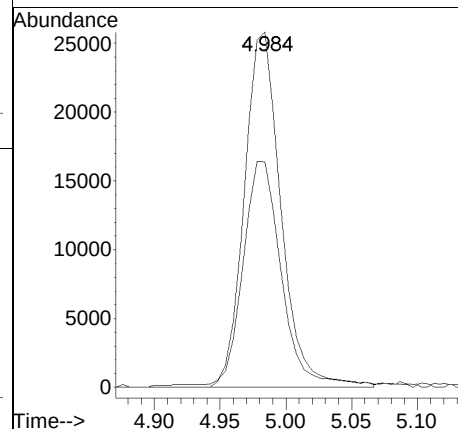
Tgt	Ion	Resp	Lower	Upper
50	100	2075		
52	31.9	25.4	38.2	

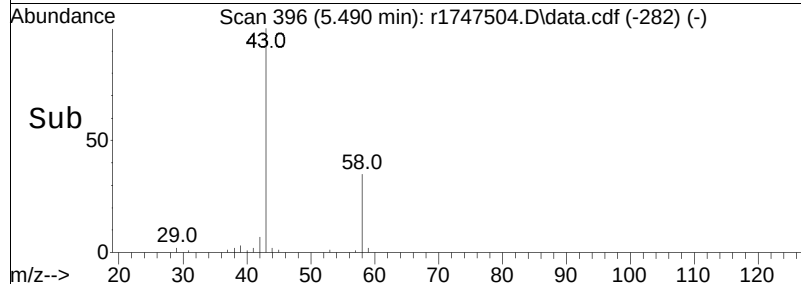
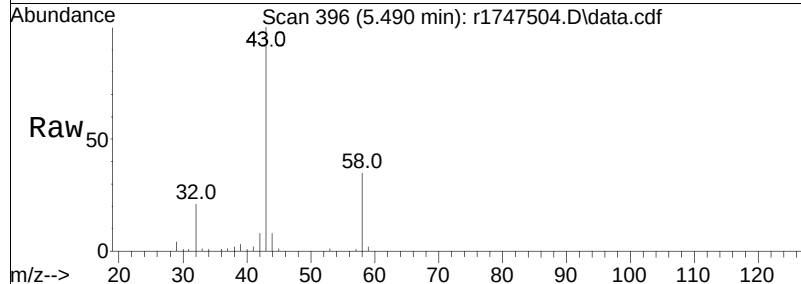
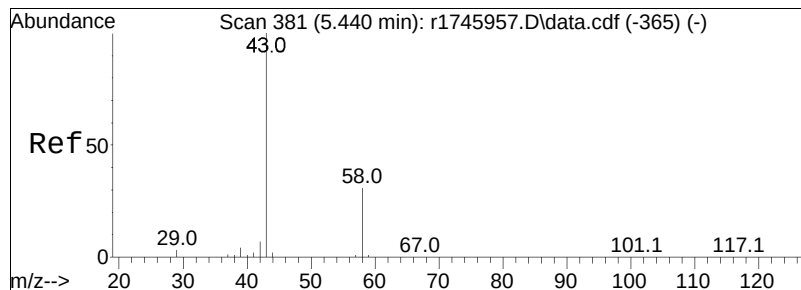




#15
 ethanol
 Concen: 5.54 ppbV
 RT: 4.984 min Scan# 255
 Delta R.T. 0.042 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

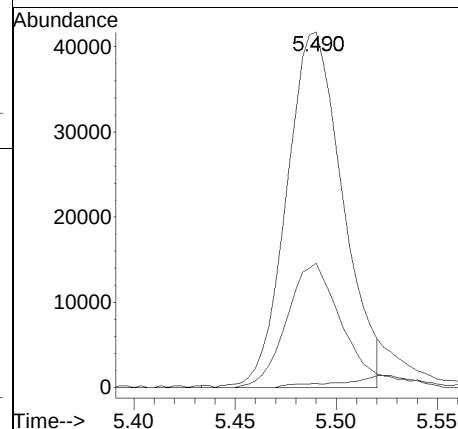
Tgt Ion	Ratio	Lower	Upper
31	100		
45	63.5	43.0	64.6

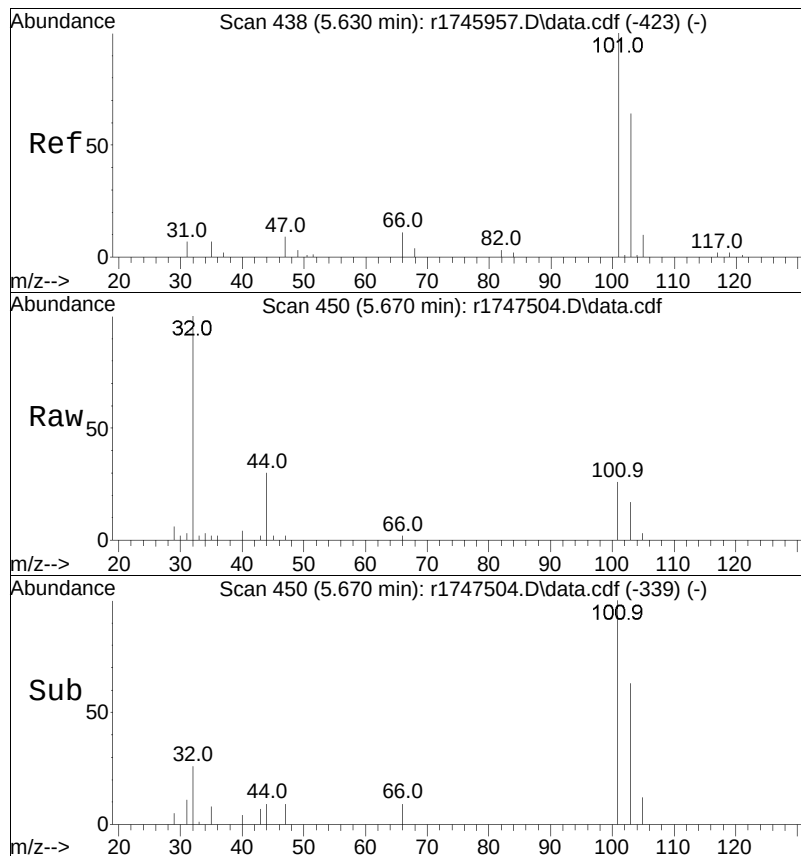




#19
acetone
Concen: 4.39 ppbV m
RT: 5.490 min Scan# 396
Delta R.T. 0.050 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

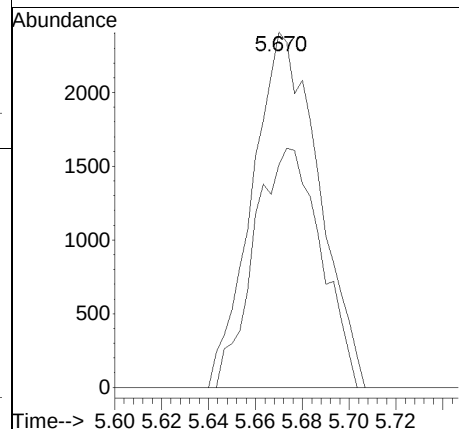
Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	24.7	37.1
57	1.1	0.6	0.8

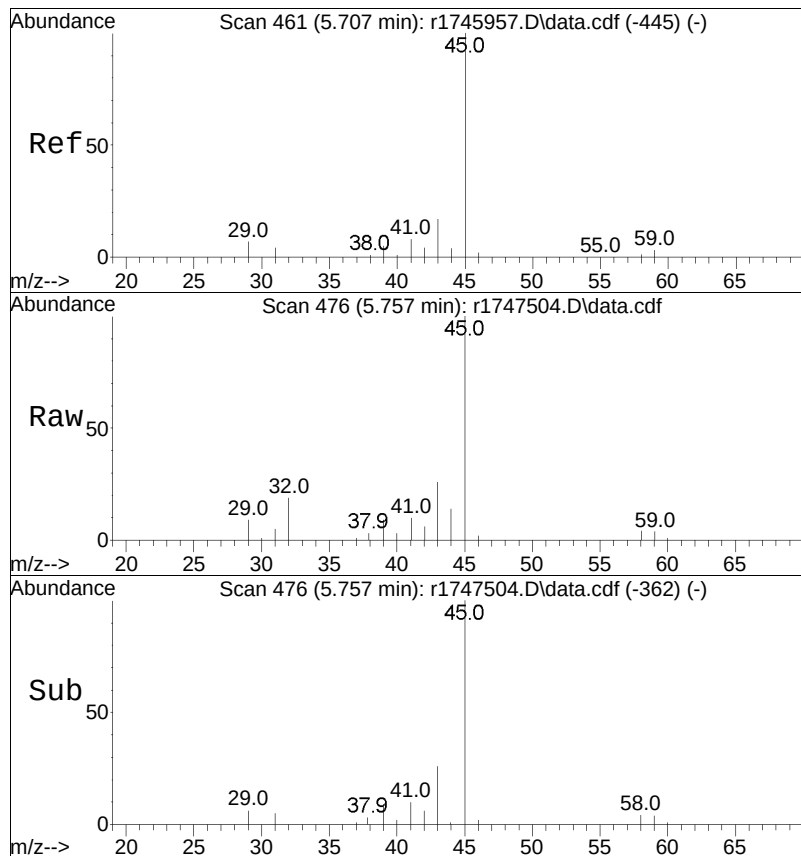




#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.670 min Scan# 450
Delta R.T. 0.040 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

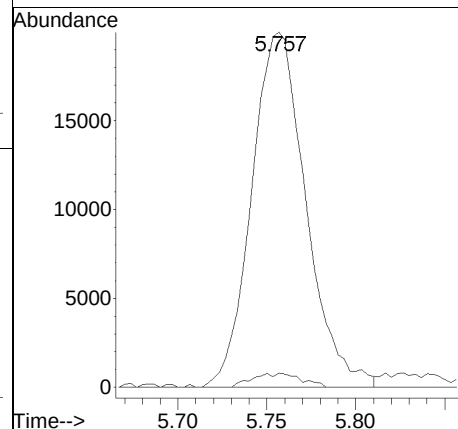
Tgt	Ion	Ratio	Lower	Upper
101	100			
103	62.7	50.9	76.3	

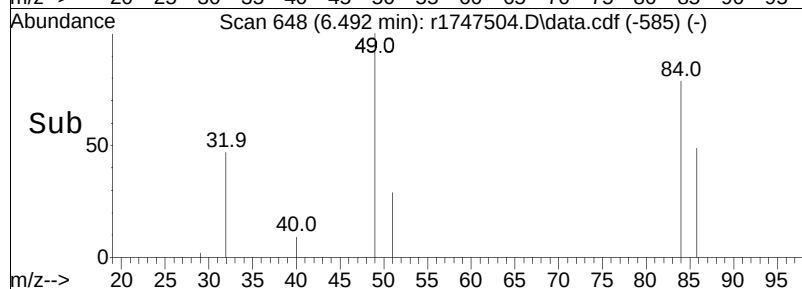
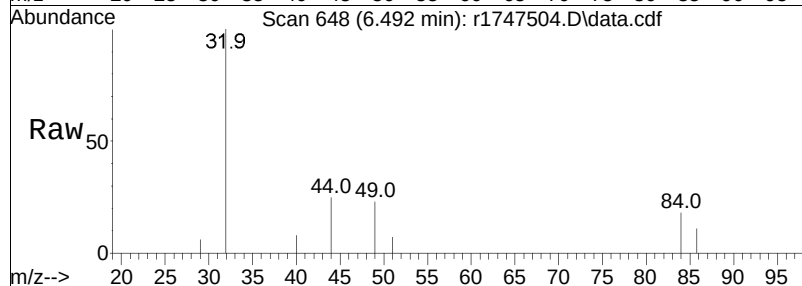
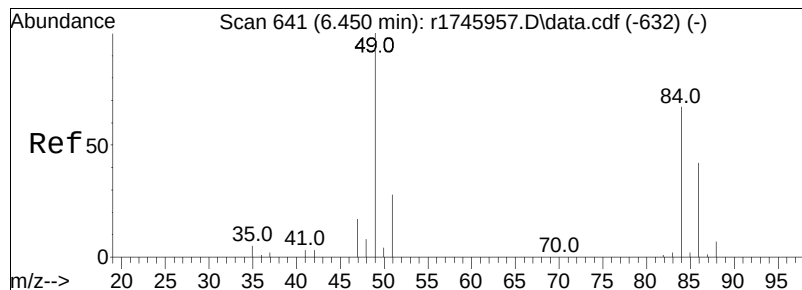




#22
 isopropyl alcohol
 Concen: 1.84 ppbV
 RT: 5.757 min Scan# 476
 Delta R.T. 0.050 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

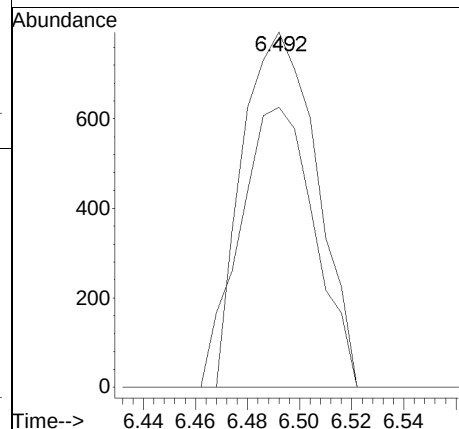
Tgt Ion	Ratio	Lower	Upper
45	100		
59	4.0	2.6	4.0#

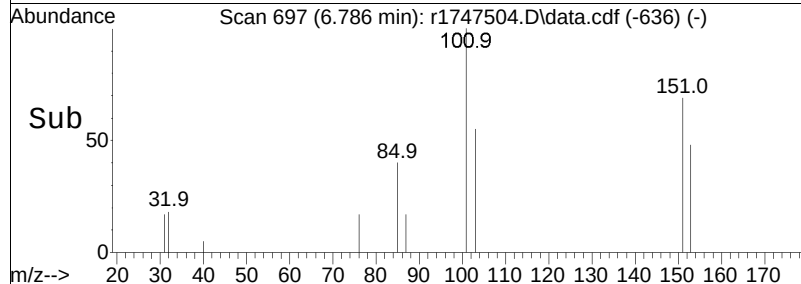
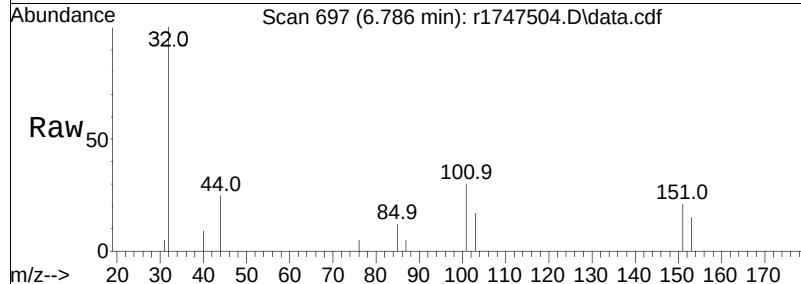
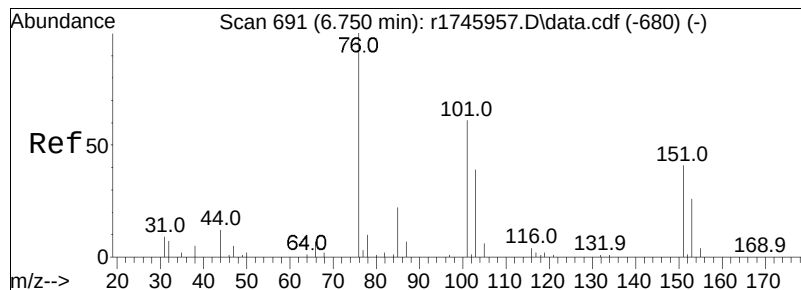




#28
 methylene chloride
 Concen: 0.09 ppbV
 RT: 6.492 min Scan# 648
 Delta R.T. 0.042 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

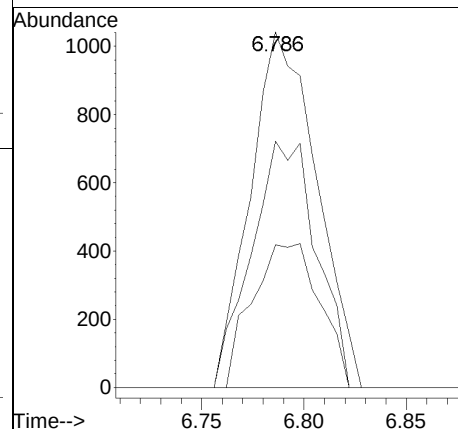
Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	1574				
Ion Ratio	100	78.8			
			53.4	80.0	

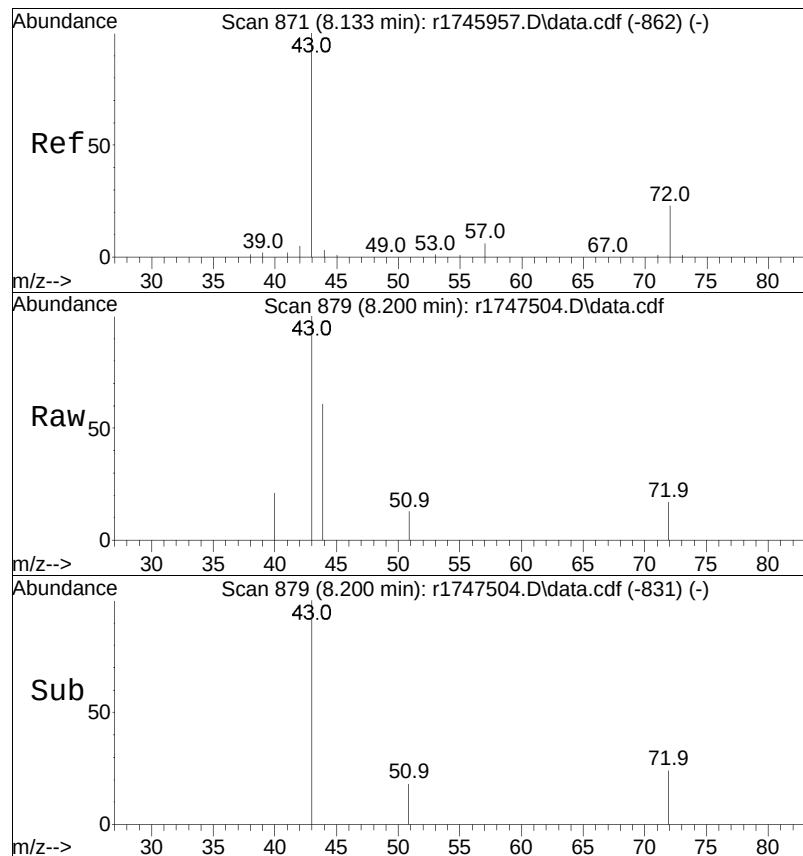




#31
 Freon 113
 Concen: 0.10 ppbV
 RT: 6.786 min Scan# 697
 Delta R.T. 0.036 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

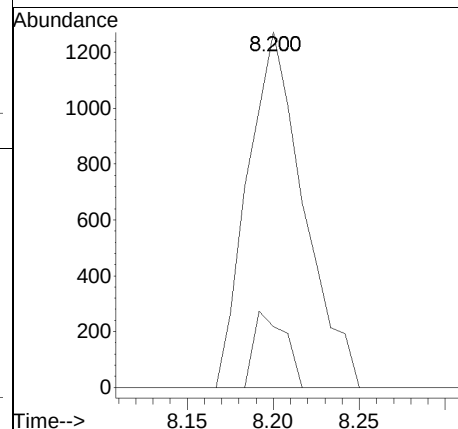
Tgt Ion:	101	Resp:	2354
Ion Ratio	Lower	Upper	
101	100		
85	40.1	29.0	43.4
151	69.3	53.6	80.4

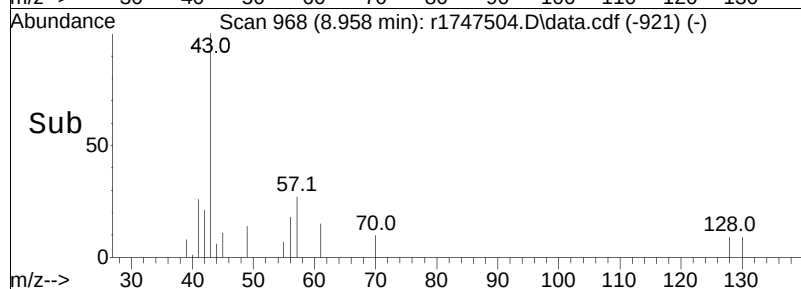
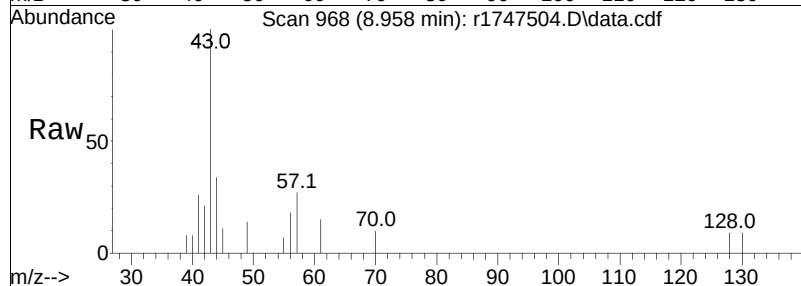
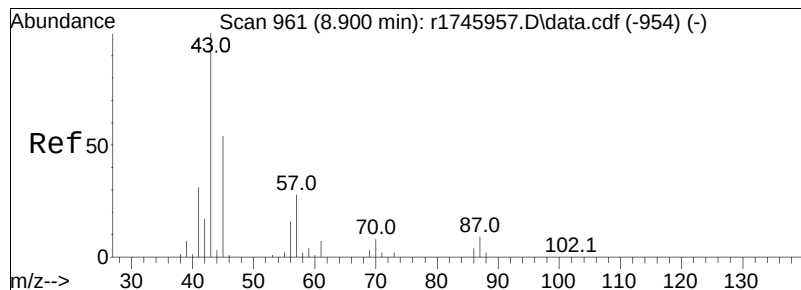




#36
 2-butanone
 Concen: 0.09 ppbV
 RT: 8.200 min Scan# 879
 Delta R.T. 0.067 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

Tgt Ion: 43	Resp: 2891
Ion Ratio	Lower Upper
43 100	
72 17.1	18.1 27.1#
57 0.0	4.6 6.8#





#38

Ethyl Acetate

Concen: 0.16 ppbV

RT: 8.958 min Scan# 968

Delta R.T. 0.058 min

Lab File: r1747504.D

Acq: 7 Mar 2025 7:02 AM

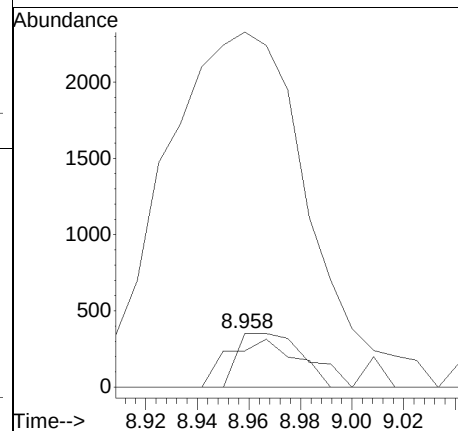
Tgt Ion: 61 Resp: 673

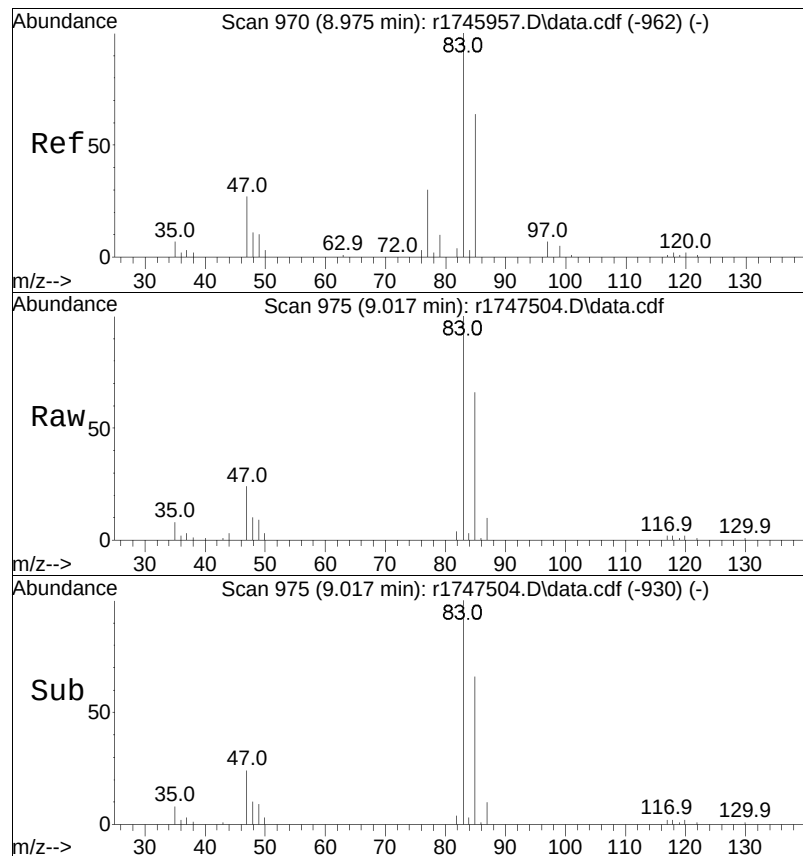
Ion Ratio Lower Upper

61 100

70 67.7 85.8 128.8#

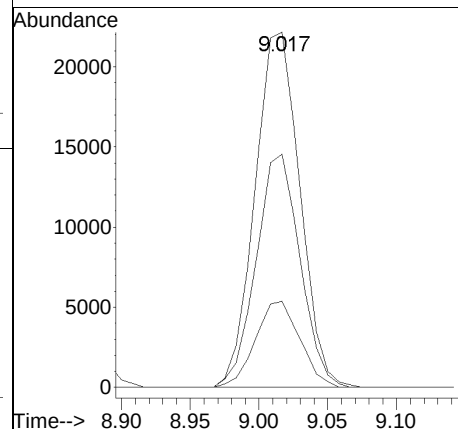
43 659.2 1077.6 1616.4#

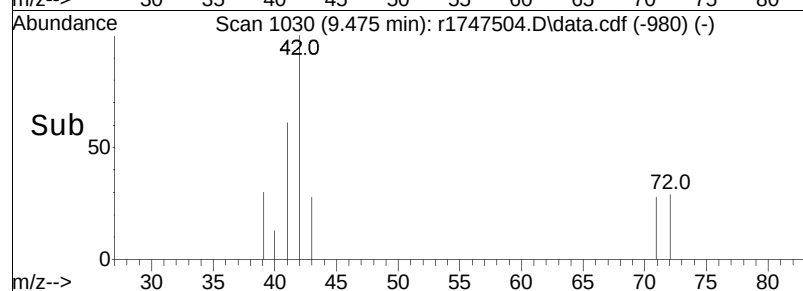
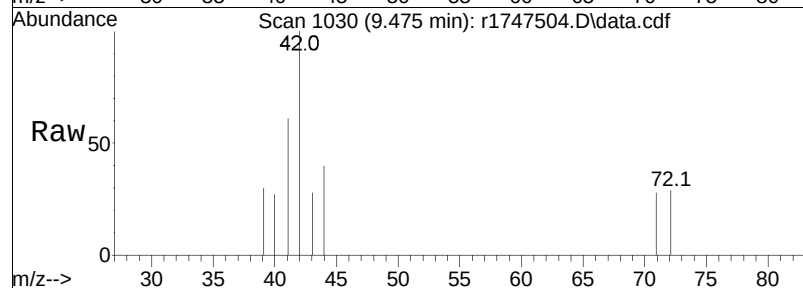
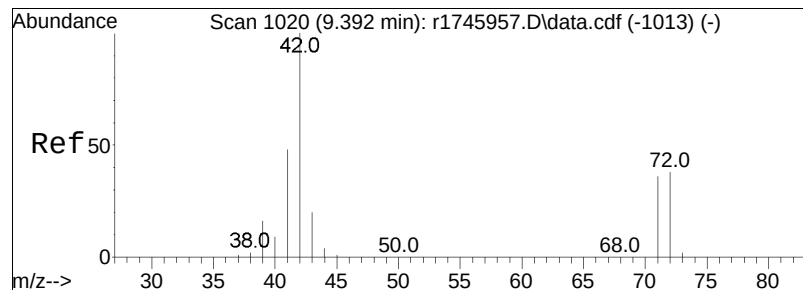




#39
 chloroform
 Concen: 2.22 ppbV
 RT: 9.017 min Scan# 975
 Delta R.T. 0.042 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

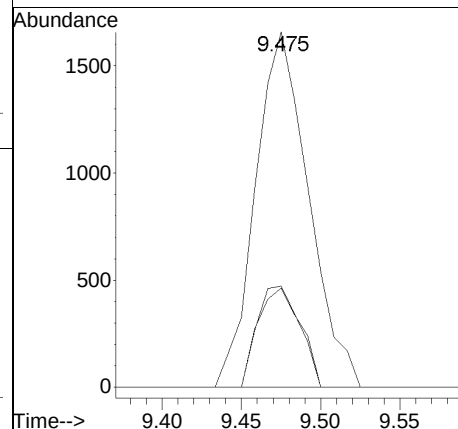
Tgt	Ion: 83	Resp:	50339
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.6	77.4
47	24.2	21.4	32.2

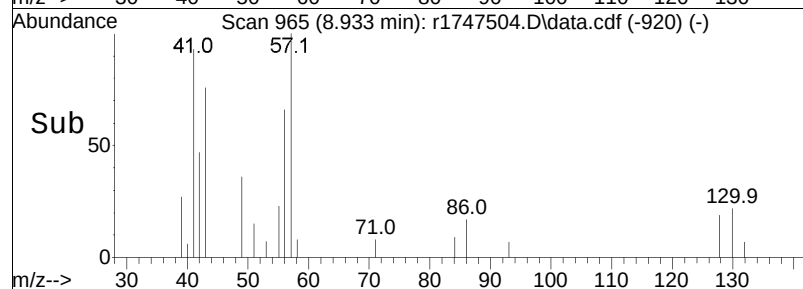
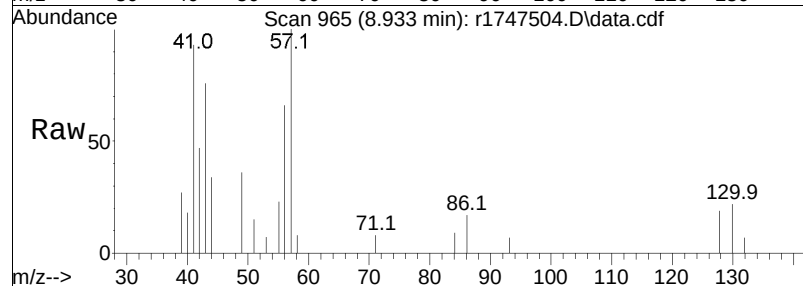
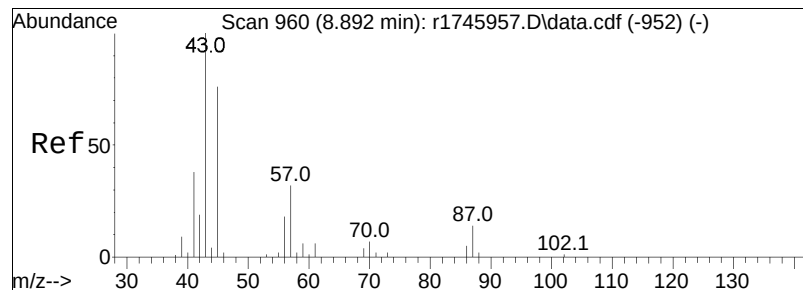




#40
Tetrahydrofuran
Concen: 0.21 ppbV
RT: 9.475 min Scan# 1030
Delta R.T. 0.083 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

Tgt Ion	Ratio	Lower	Upper
42	100		
71	27.9	28.9	43.3#
72	28.5	30.1	45.1#





#44

hexane

Concen: 0.24 ppbV

RT: 8.933 min Scan# 965

Delta R.T. 0.042 min

Lab File: r1747504.D

Acq: 7 Mar 2025 7:02 AM

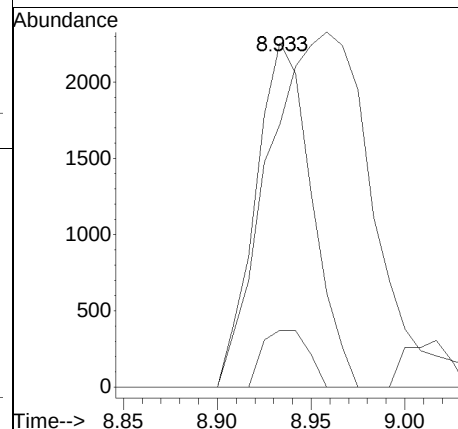
Tgt Ion: 57 Resp: 4754

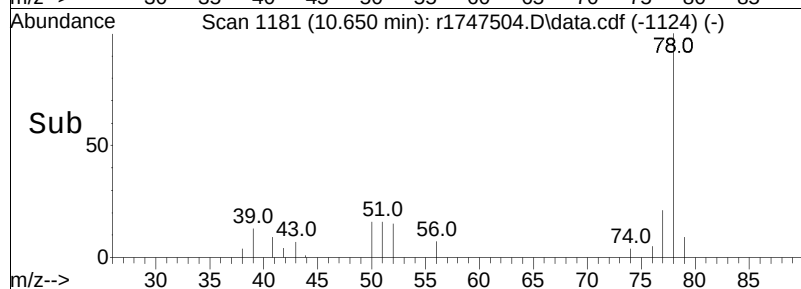
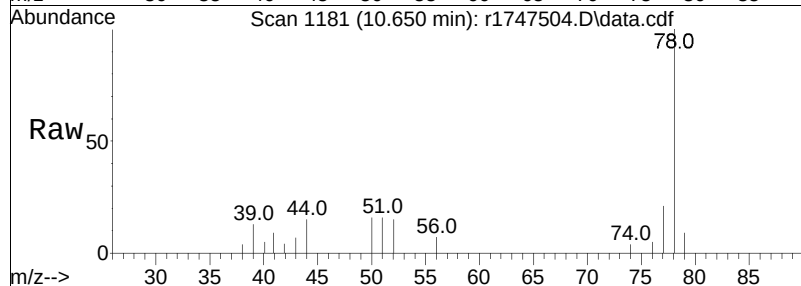
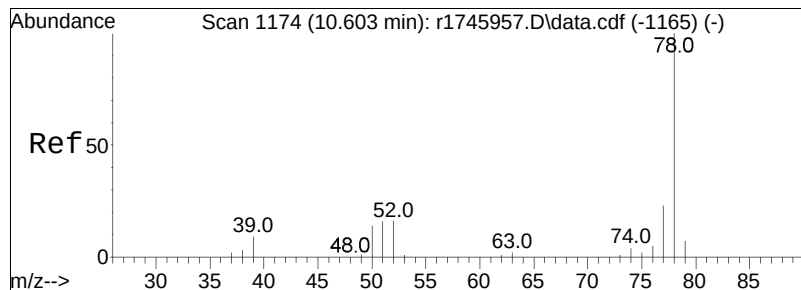
Ion Ratio Lower Upper

57 100

43 76.4 247.4 371.0#

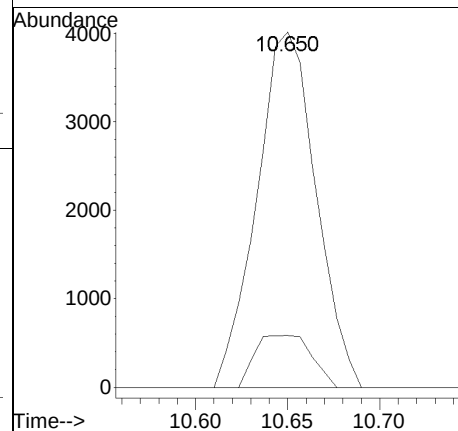
86 16.6 12.9 19.3

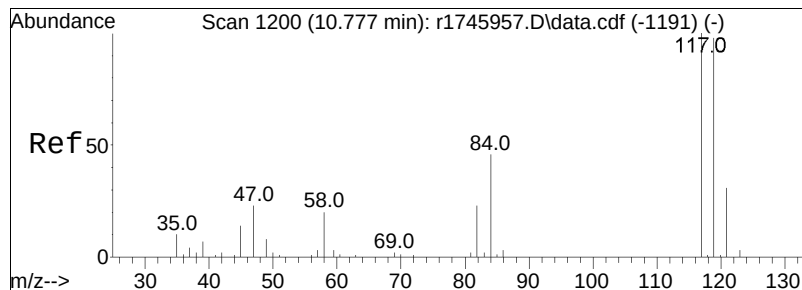




#50
benzene
Concen: 0.21 ppbV
RT: 10.650 min Scan# 1181
Delta R.T. 0.047 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

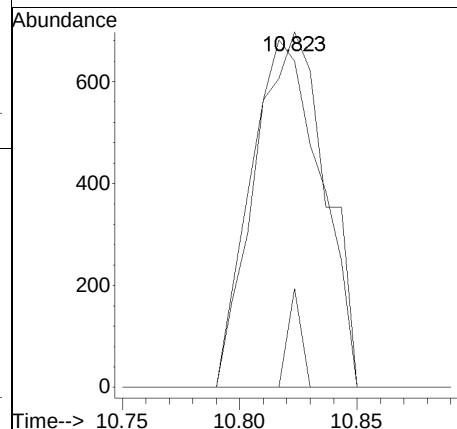
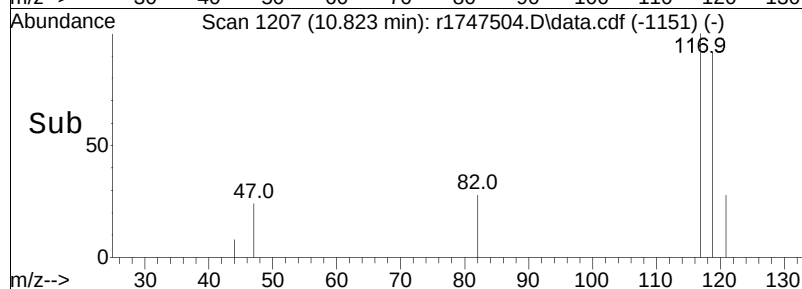
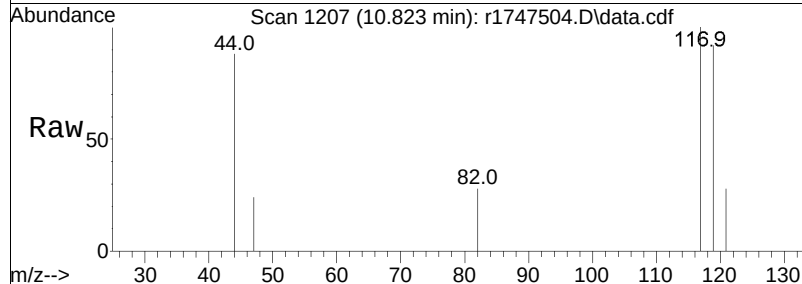
Tgt Ion	Ratio	Lower	Upper
78	100		
52	14.6	12.5	18.7

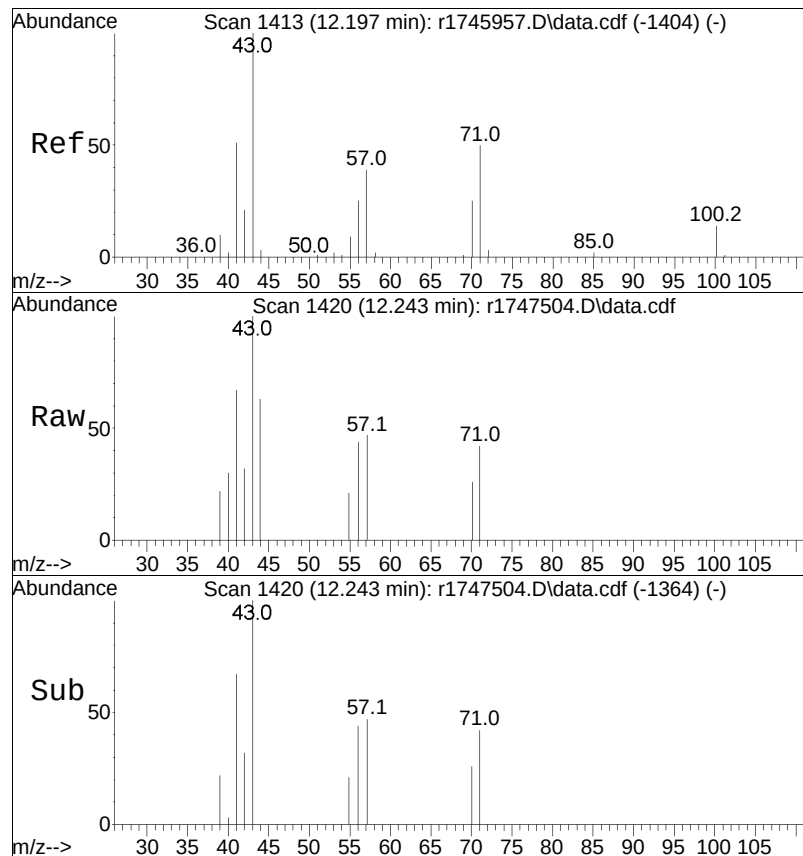




#52
carbon tetrachloride
Concen: 0.09 ppbV
RT: 10.823 min Scan# 1207
Delta R.T. 0.047 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

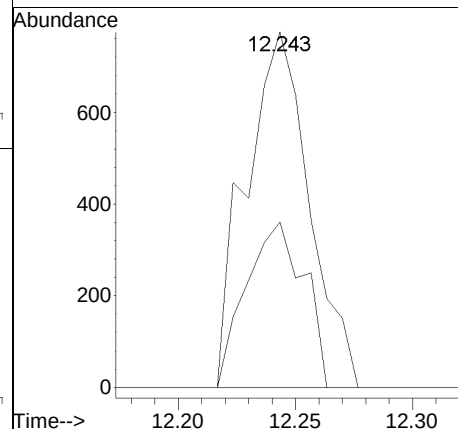
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.2	117.2
82	27.8	18.6	28.0

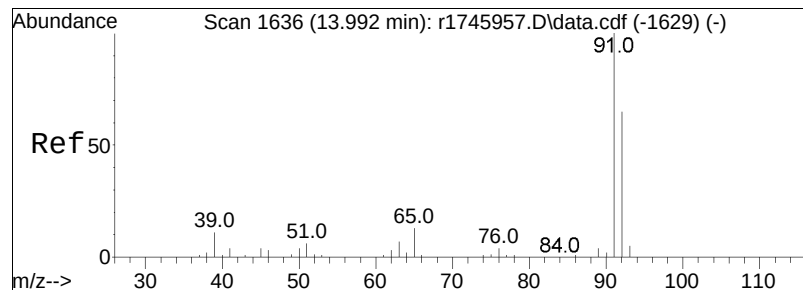




#62
 heptane
 Concen: 0.05 ppbV
 RT: 12.243 min Scan# 1420
 Delta R.T. 0.047 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

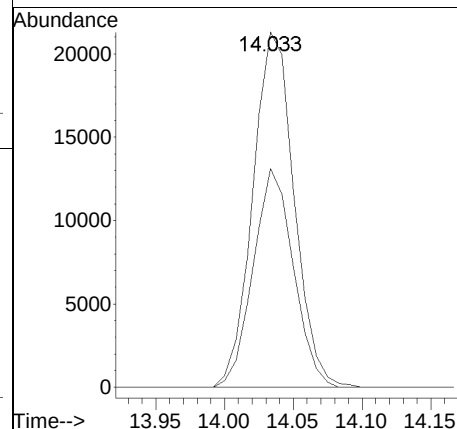
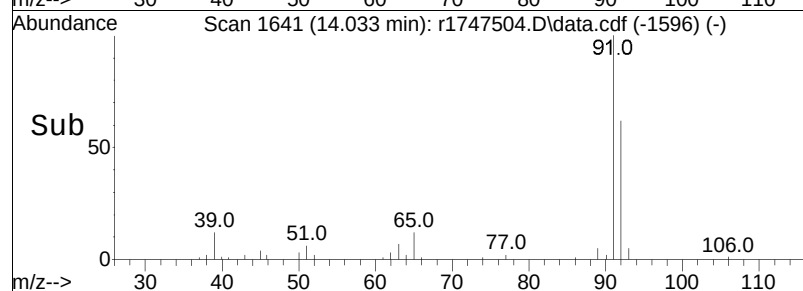
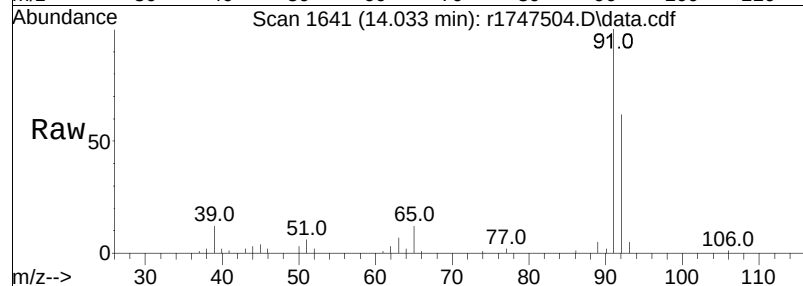
Tgt Ion:	43	Resp:	1456
Ion Ratio	Lower	Upper	
43	100		
57	46.6	31.1	46.7
100	0.0	11.4	17.2#

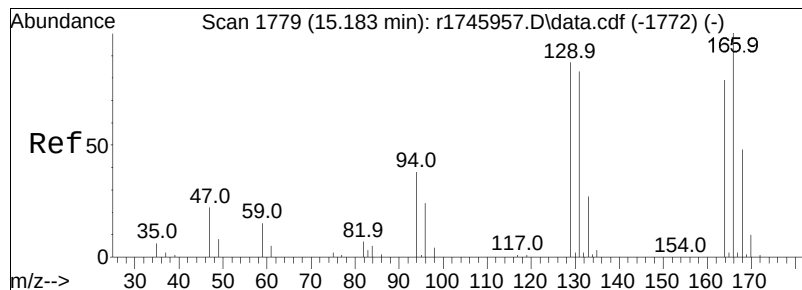




#68
toluene
Concen: 0.78 ppbV
RT: 14.033 min Scan# 1641
Delta R.T. 0.042 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

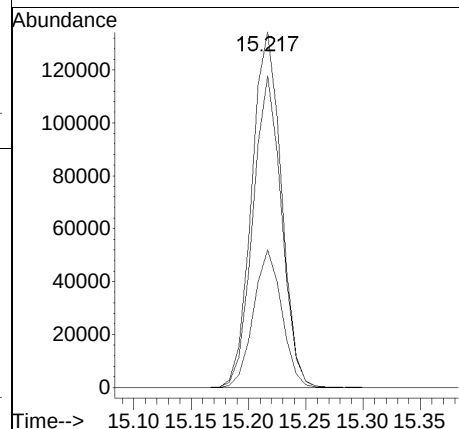
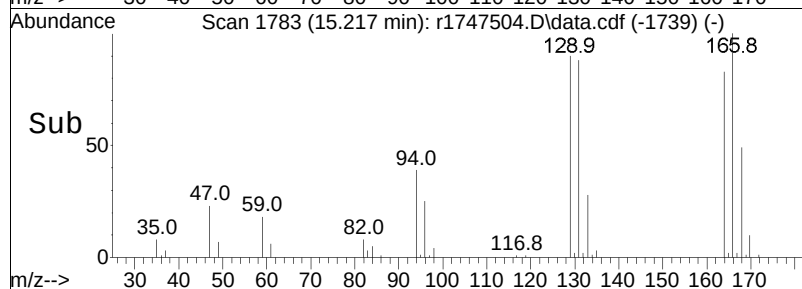
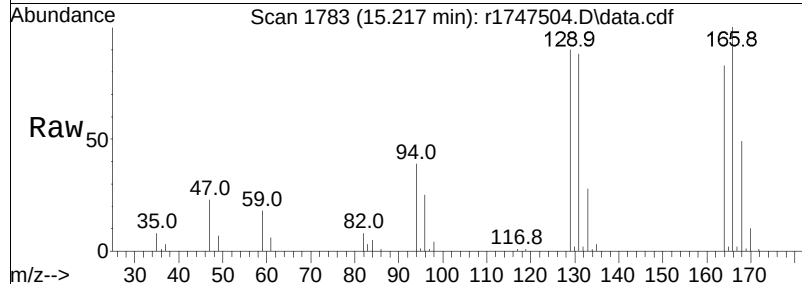
Tgt	Ion	Resp	Lower	Upper
91	100	44548		
92	61.6	51.7	77.5	

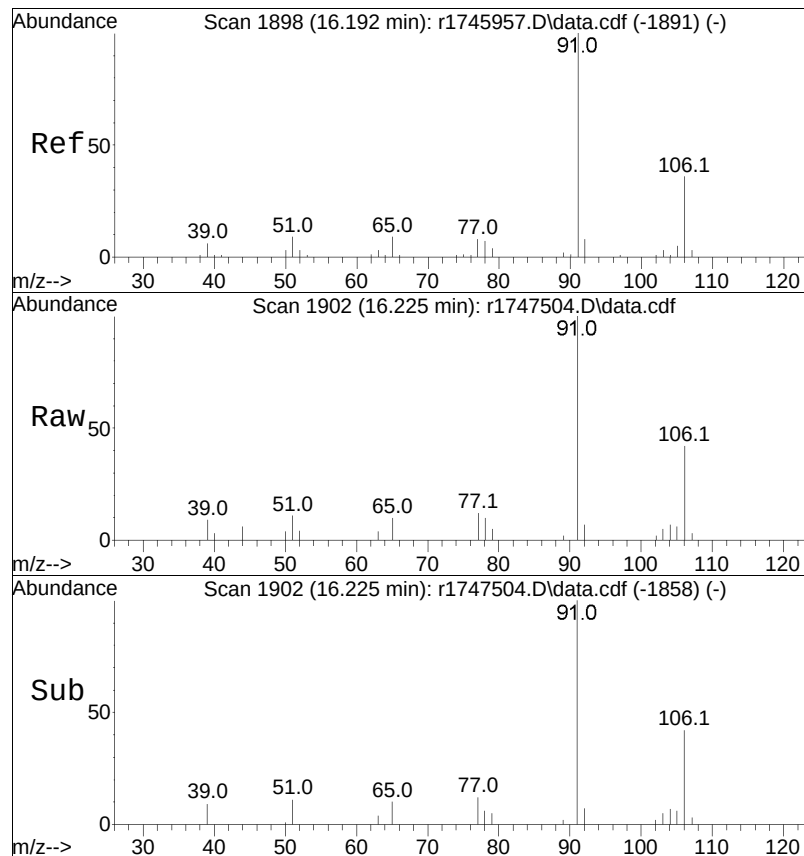




#78
 tetrachloroethene
 Concen: 10.38 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

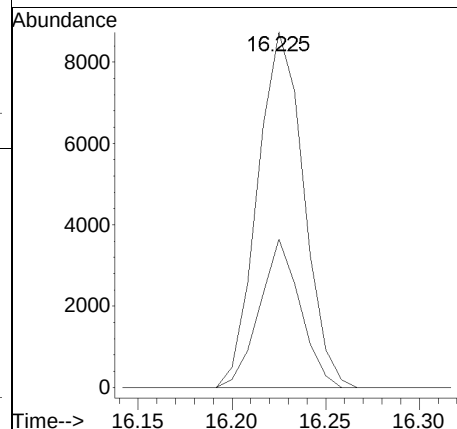
Tgt Ion	Ratio	Lower	Upper
166	100		
131	87.7	66.4	99.6
94	38.7	30.1	45.1

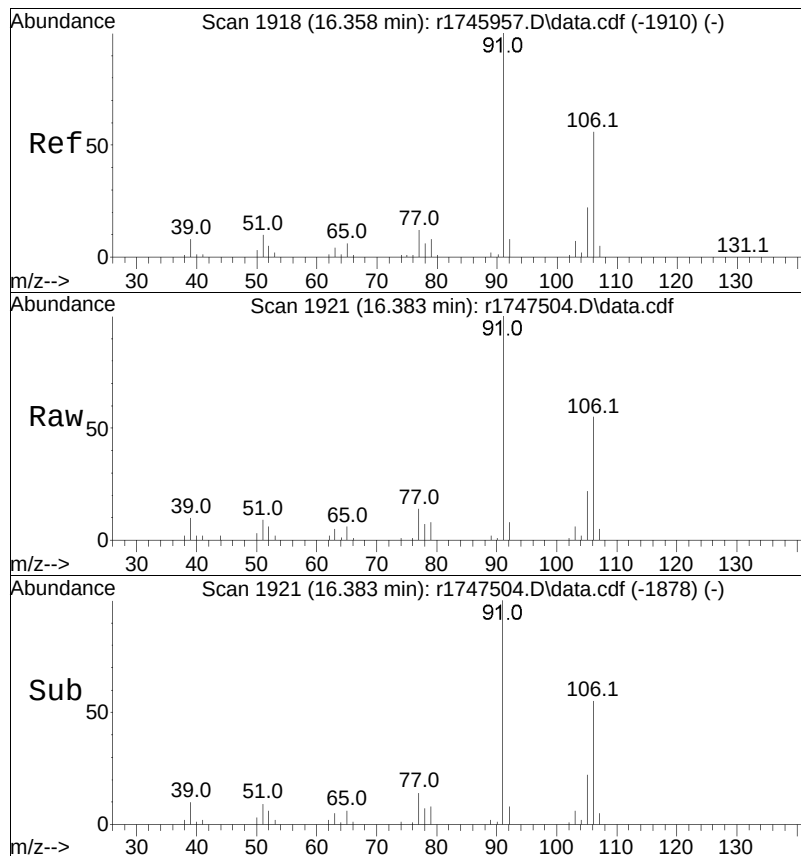




#81
ethylbenzene
Concen: 0.21 ppbV
RT: 16.225 min Scan# 1902
Delta R.T. 0.033 min
Lab File: r1747504.D
Acq: 7 Mar 2025 7:02 AM

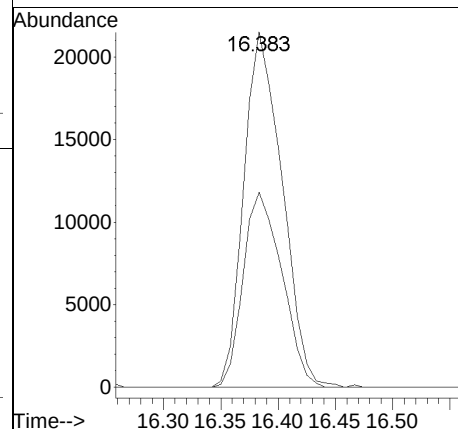
Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.7	28.5	42.7

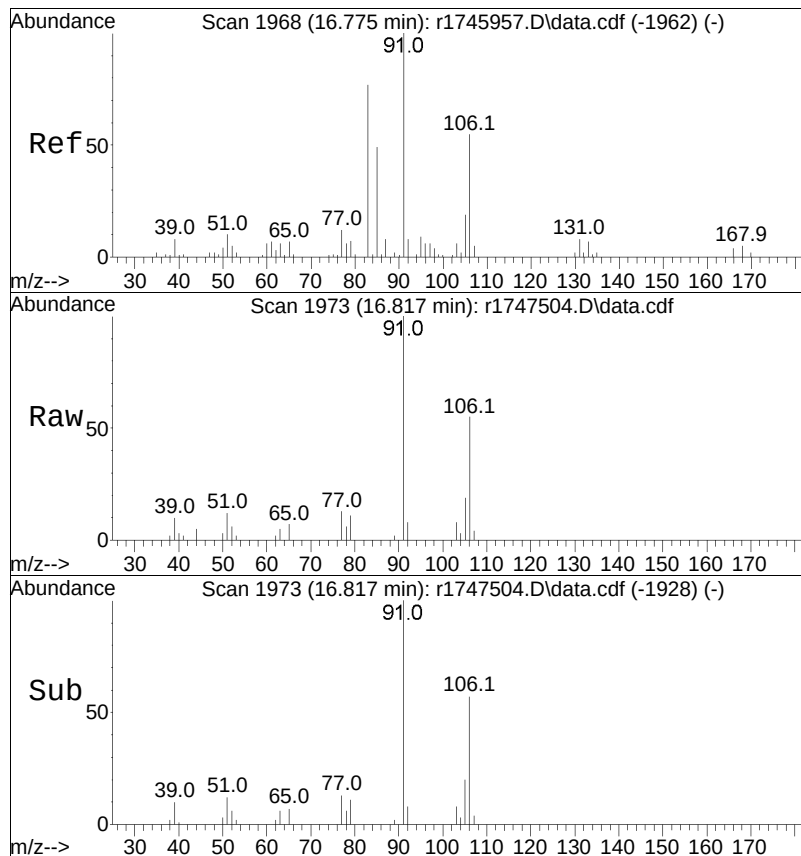




#83
 m+p-xylene
 Concen: 0.87 ppbV
 RT: 16.383 min Scan# 1921
 Delta R.T. 0.025 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

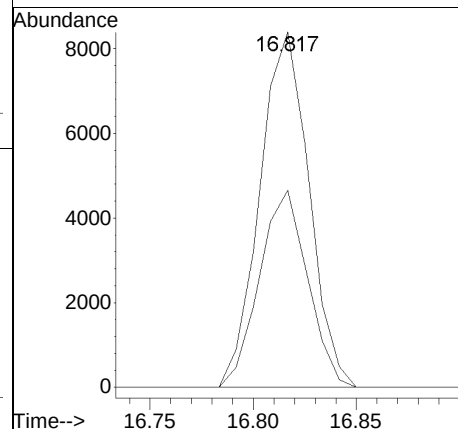
Tgt Ion	Ratio	Lower	Upper
91	100		
106	54.9	44.7	67.1

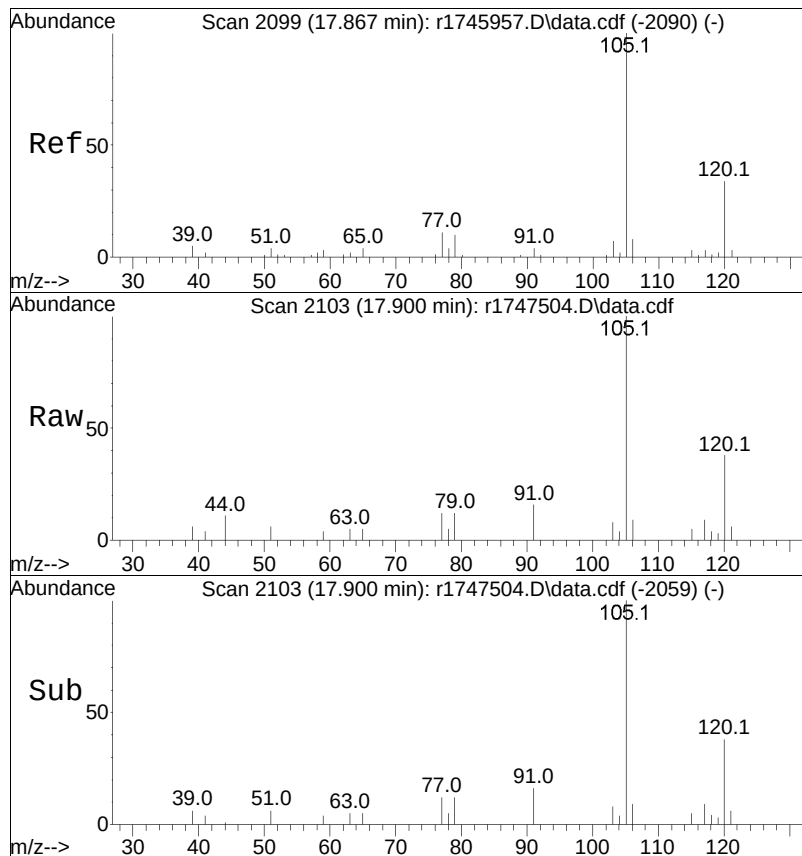




#87
 o-xylene
 Concen: 0.24 ppbV
 RT: 16.817 min Scan# 1973
 Delta R.T. 0.042 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

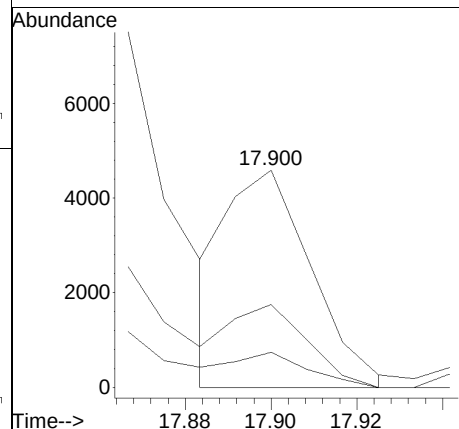
Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.5	43.9	65.9

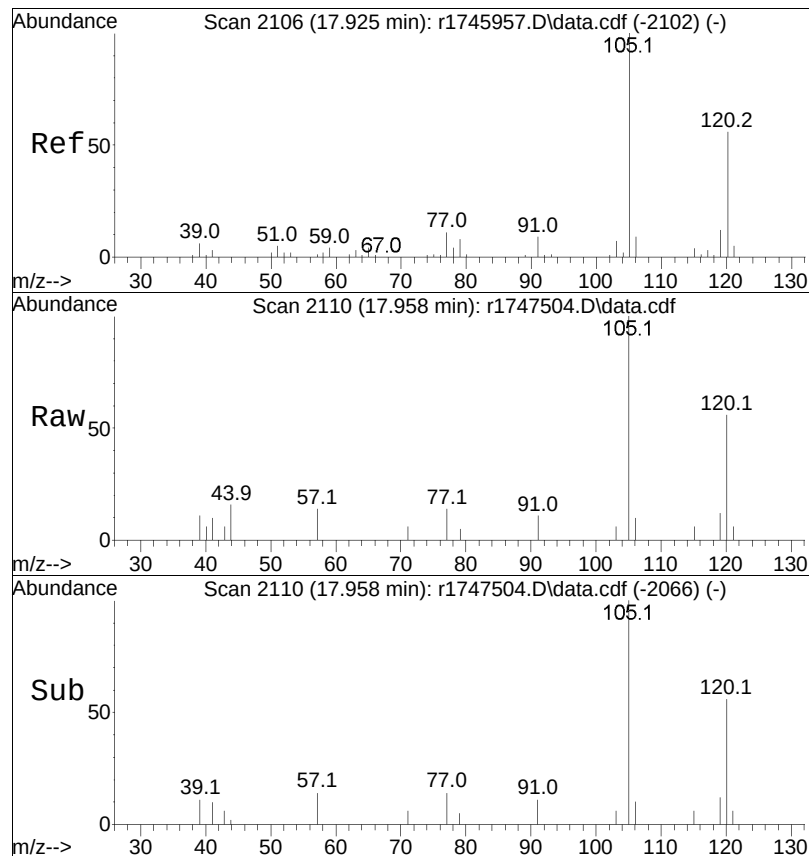




#96
 4-ethyl toluene
 Concen: 0.08 ppbV m
 RT: 17.900 min Scan# 2103
 Delta R.T. 0.033 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

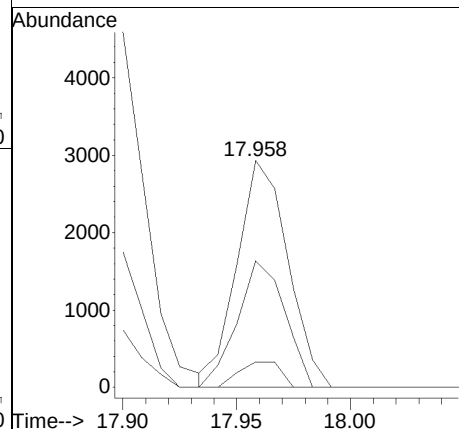
Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.2	26.9	40.3
91	16.2	7.8	11.6

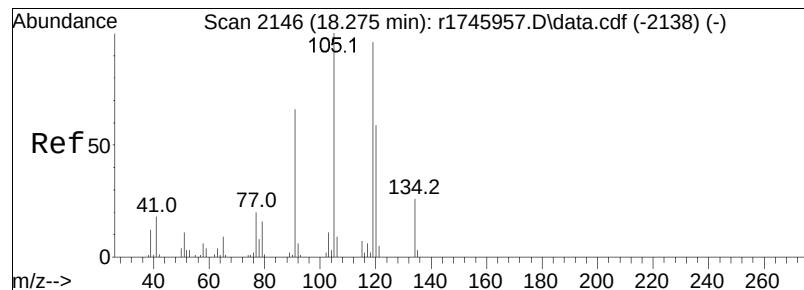




#97
 1,3,5-trimethylbenzene
 Concen: 0.07 ppbV m
 RT: 17.958 min Scan# 2110
 Delta R.T. 0.033 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

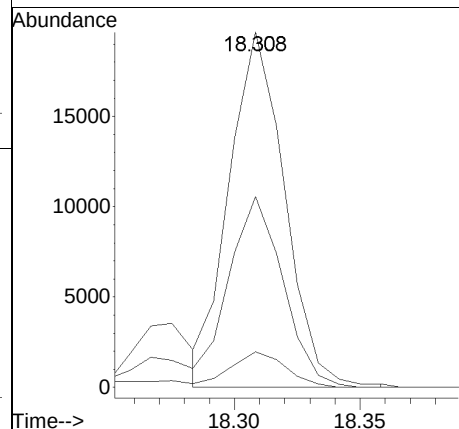
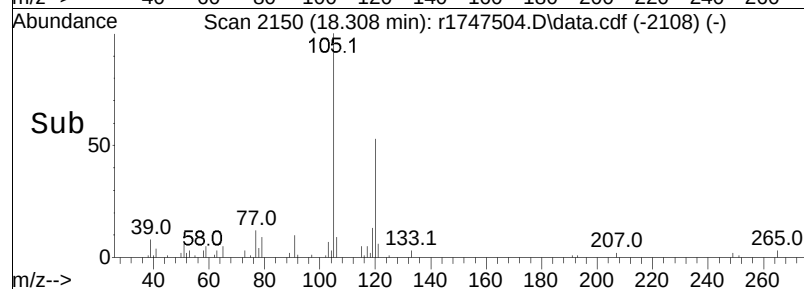
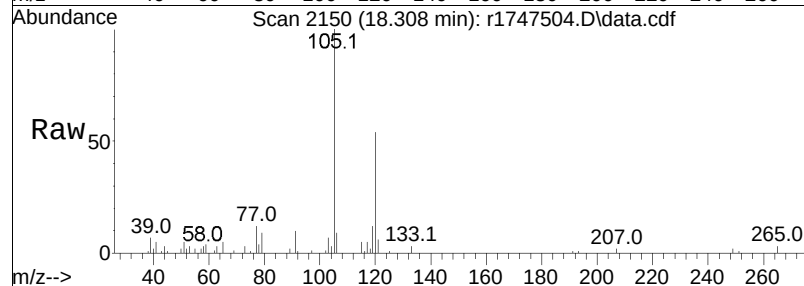
Tgt Ion:	105	Resp:	4562
Ion Ratio	Lower	Upper	
105	100		
120	55.8	44.6	66.8
91	11.3	7.4	11.0#





#99
 1,2,4-trimethylbenzene
 Concen: 0.46 ppbV m
 RT: 18.308 min Scan# 2150
 Delta R.T. 0.033 min
 Lab File: r1747504.D
 Acq: 7 Mar 2025 7:02 AM

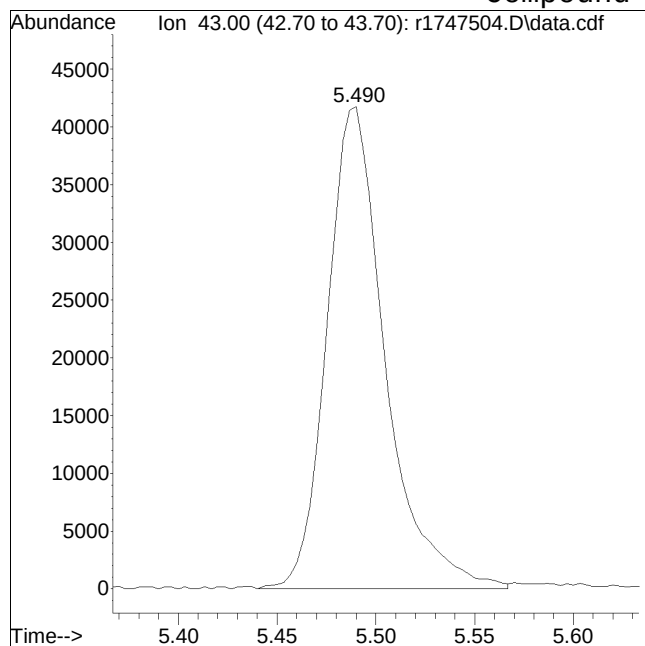
Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.7	47.1	70.7
91	10.0	53.0	79.4



Manual Integration Report

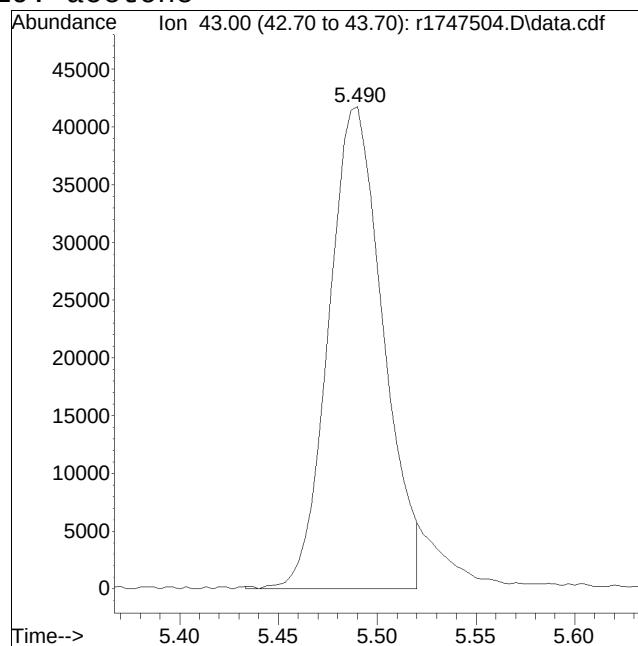
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747504.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:02 AM Instrument :
Sample : L2509499-13,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #19: acetone



Original Peak Response = 85692

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

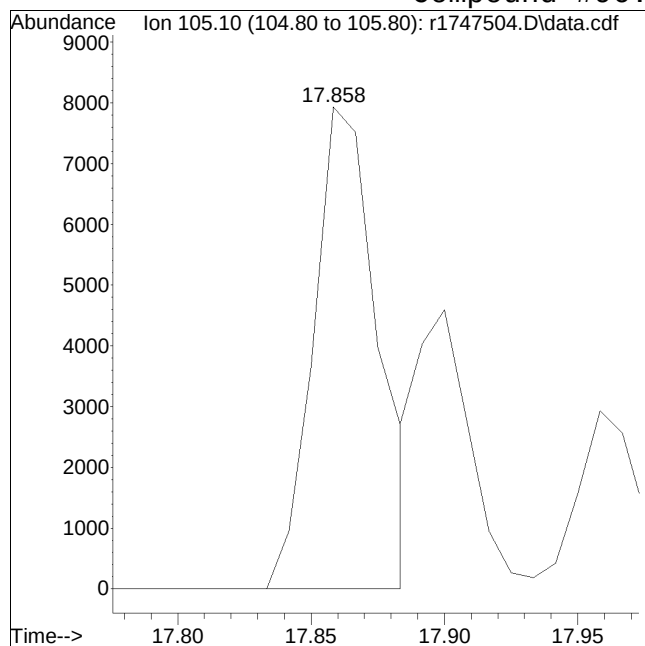


Manual Peak Response = 80292 M6

Manual Integration Report

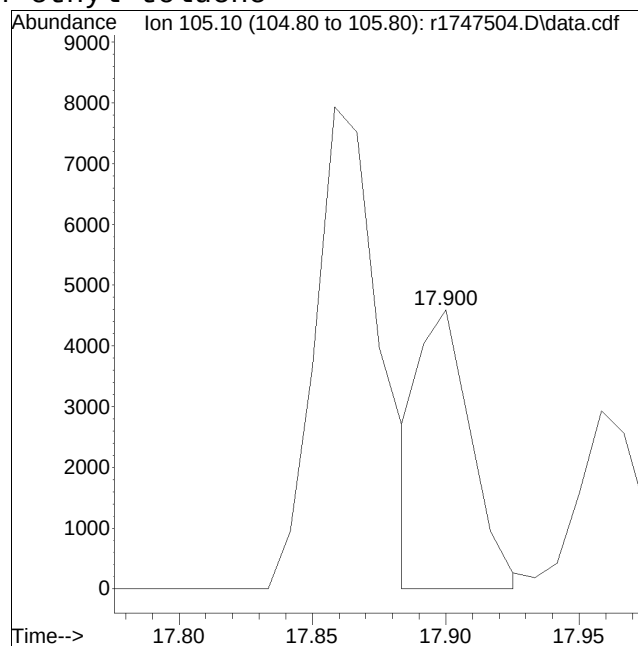
Data Path : X:\AirLab\Data\AirLab17\200Method : TFS17_241220.M
Data File : r1747504.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:02 AM Instrument :
Sample : L2509499-13,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #96: 4-ethyl toluene



Original Peak Response = 13371

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

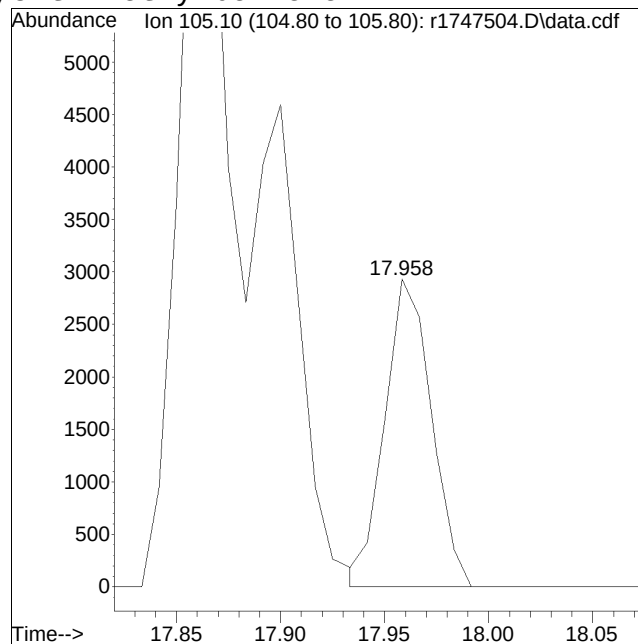
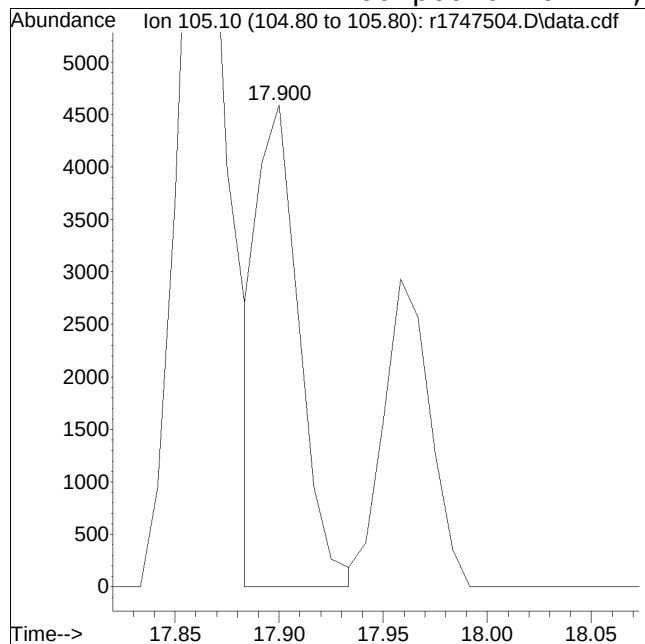


Manual Peak Response = 6308 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747504.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:02 AM Instrument :
Sample : L2509499-13,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #97: 1,3,5-trimethylbenzene



Original Peak Response = 6401

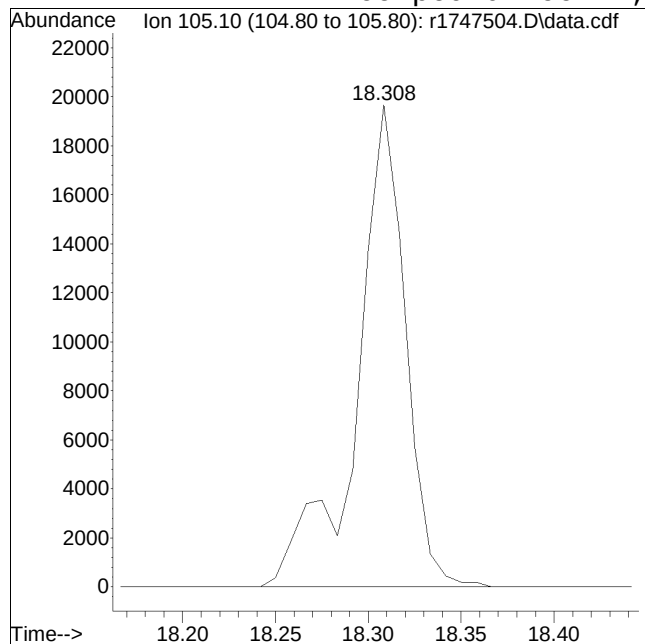
Manual Peak Response = 4562 M3

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

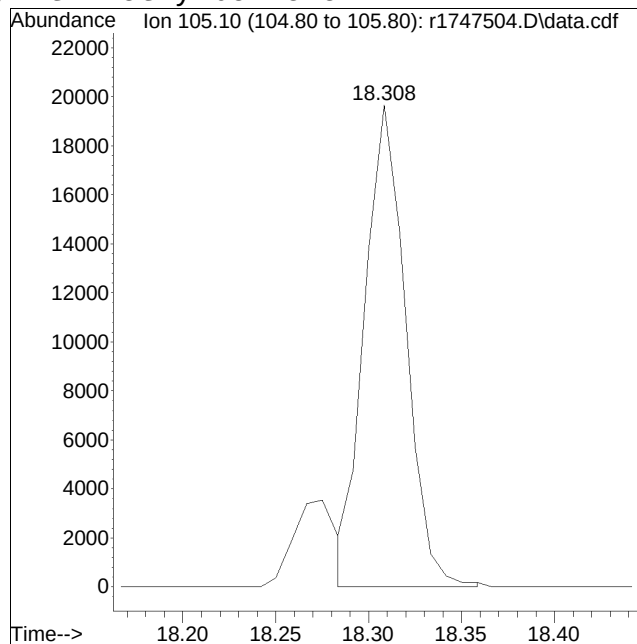
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747504.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:02 AM Instrument :
Sample : L2509499-13,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 35942

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



Manual Peak Response = 30304 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747505.D
 Acq On : 7 Mar 2025 7:40 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-14,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:53:39 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.858	49	238401	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		91.89%	
43) 1,4-difluorobenzene	11.070	114	622262	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		88.08%	
67) chlorobenzene-D5	15.825	54	98031	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		92.15%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.898	85	48099	2.019	ppbV	99
6) chloromethane	4.054	50	1686M3	0.131	ppbV	
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.408	54	477	0.045	ppbV #	55
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.864	64	1180	0.210	ppbV	98
15) ethanol	4.972	31	74726	8.332	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.477	43	739162M6	40.375	ppbV	
21) trichlorofluoromethane	5.670	101	4939	0.234	ppbV	91
22) isopropyl alcohol	5.747	45	74808	3.233	ppbV	100
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.396	59	4114	0.217	ppbV #	83
28) methylene chloride	6.492	49	1547	0.092	ppbV #	75
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.780	76	55040	1.422	ppbV #	94
31) Freon 113	6.786	101	2576	0.104	ppbV #	92
32) trans-1,2-dichloroethene	7.525	61	1312	0.076	ppbV #	87
33) 1,1-dichloroethane	7.742	63	2712	0.124	ppbV	94
34) MTBE	7.758		0	N.D.		
36) 2-butanone	8.183	43	18326	0.591	ppbV	97
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.950	61	5434	1.285	ppbV #	1
39) chloroform	9.008	83	37842	1.669	ppbV	97
40) Tetrahydrofuran	9.475		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.933	57	9282	0.461	ppbV #	62

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747505.D
 Acq On : 7 Mar 2025 7:40 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-14,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:53:39 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.125	97	5032	0.271	ppbV	92
50) benzene	10.643	78	32199	0.736	ppbV	99
52) carbon tetrachloride	10.823	117	1933	0.117	ppbV	96
53) cyclohexane	10.963	56	1186	0.055	ppbV #	76
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	11.863	130	8079	0.409	ppbV	96
60) 2,2,4-trimethylpentane	11.917	57	3138	0.049	ppbV #	74
62) heptane	12.237	43	5566	0.184	ppbV #	87
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	14.033	91	167225	2.998	ppbV	97
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	15.217	166	407459	17.835	ppbV	96
80) chlorobenzene	15.883		0	N.D.		
81) ethylbenzene	16.225	91	51892	0.725	ppbV	99
83) m+p-xylene	16.383	91	203256	3.591	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.717		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.867		0	N.D.		
87) o-xylene	16.817	91	50421	0.888	ppbV	96
96) 4-ethyl toluene	17.892	105	35862M6	0.469	ppbV	
97) 1,3,5-trimethylbenzene	17.958	105	16778	0.259	ppbV	97
99) 1,2,4-trimethylbenzene	18.308	105	107600	1.677	ppbV #	58
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.500		0	N.D.		
103) 1,4-dichlorobenzene	18.500		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.433	128	8865	0.115	ppbV	99
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\Airlab17\2025\03\0306T\
 Data File : r1747505.D
 Acq On : 7 Mar 2025 7:40 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-14,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:53:39 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : T015-NY+Naphthalene - .

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

Sub List : T015-NY+Naphthalene - .\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747505.D

Acq On : 7 Mar 2025 7:40 AM

Operator : AIRLAB17:TPH

Sample : L2509499-14,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

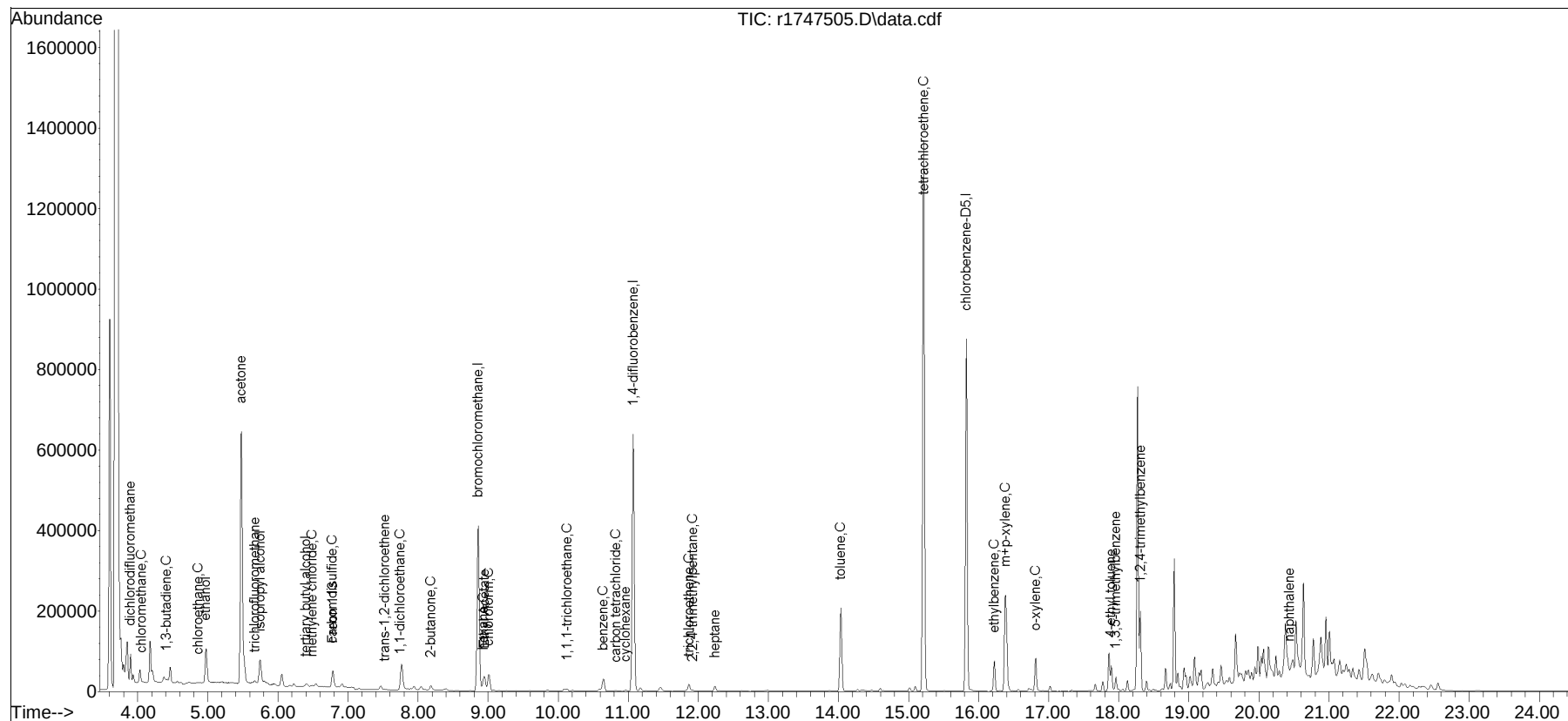
Quant Time: Mar 07 07:53:39 2025

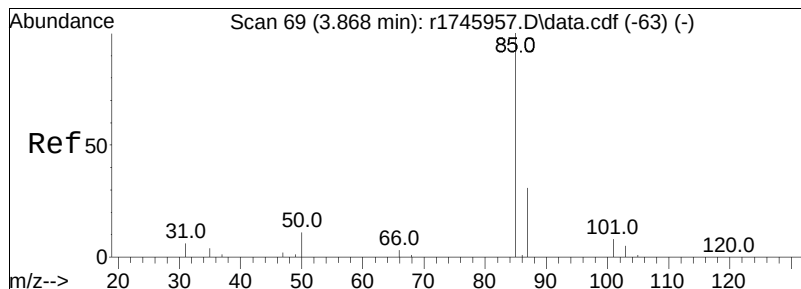
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

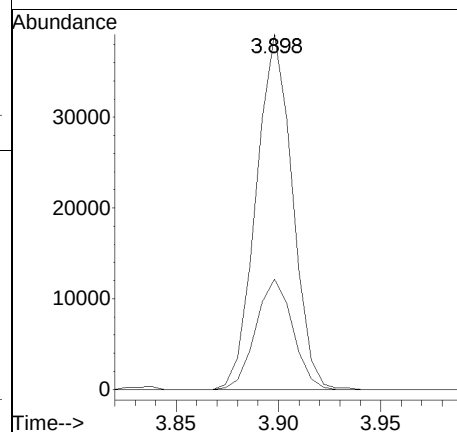
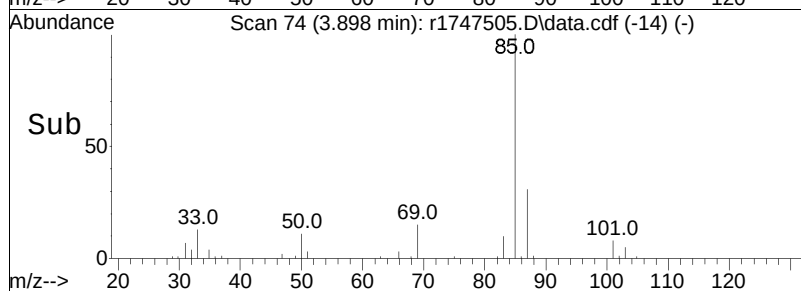
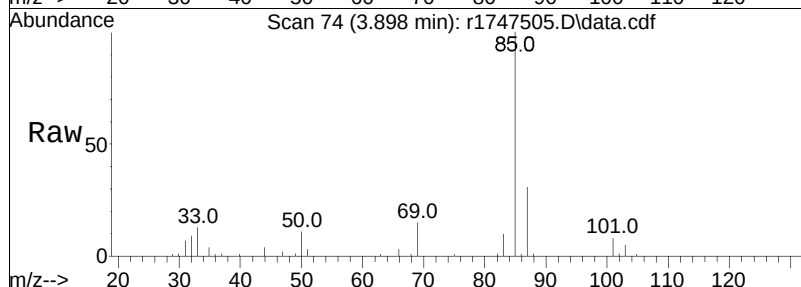
Response via : Initial Calibration

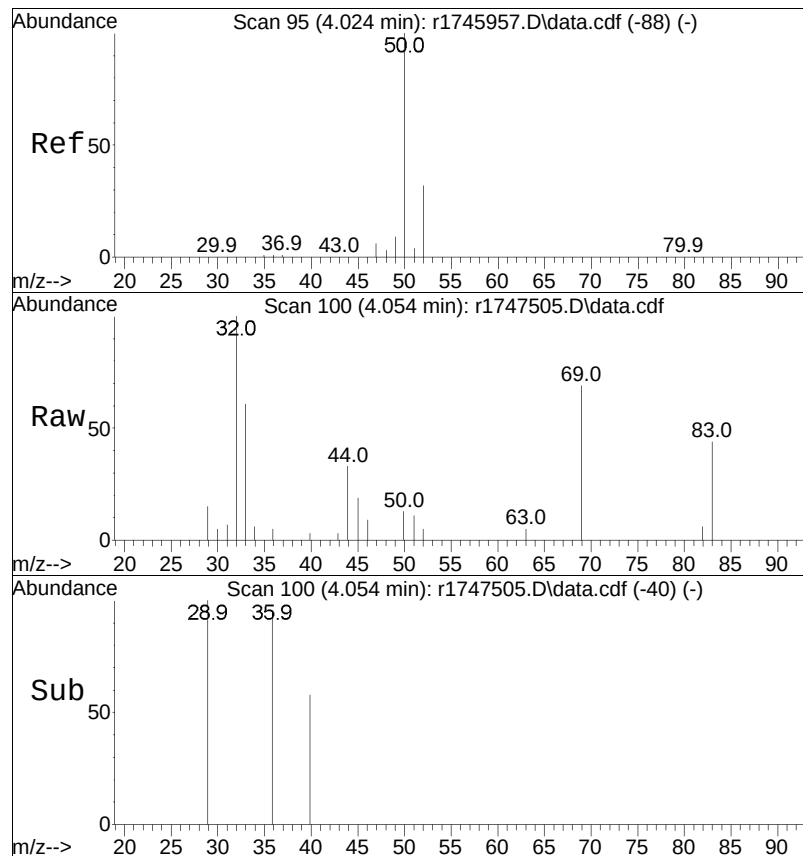




#5
dichlorodifluoromethane
Concen: 2.02 ppbV
RT: 3.898 min Scan# 74
Delta R.T. 0.030 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

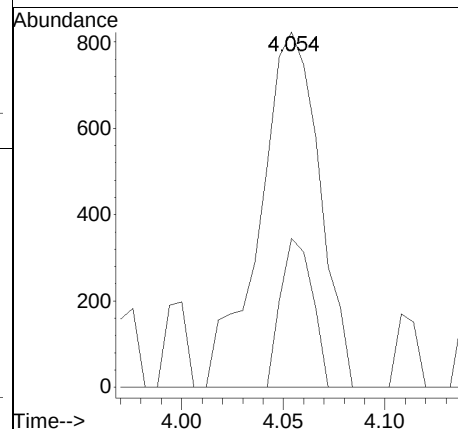
Tgt Ion: 85 Resp: 48099
Ion Ratio Lower Upper
85 100
87 31.0 25.2 37.8

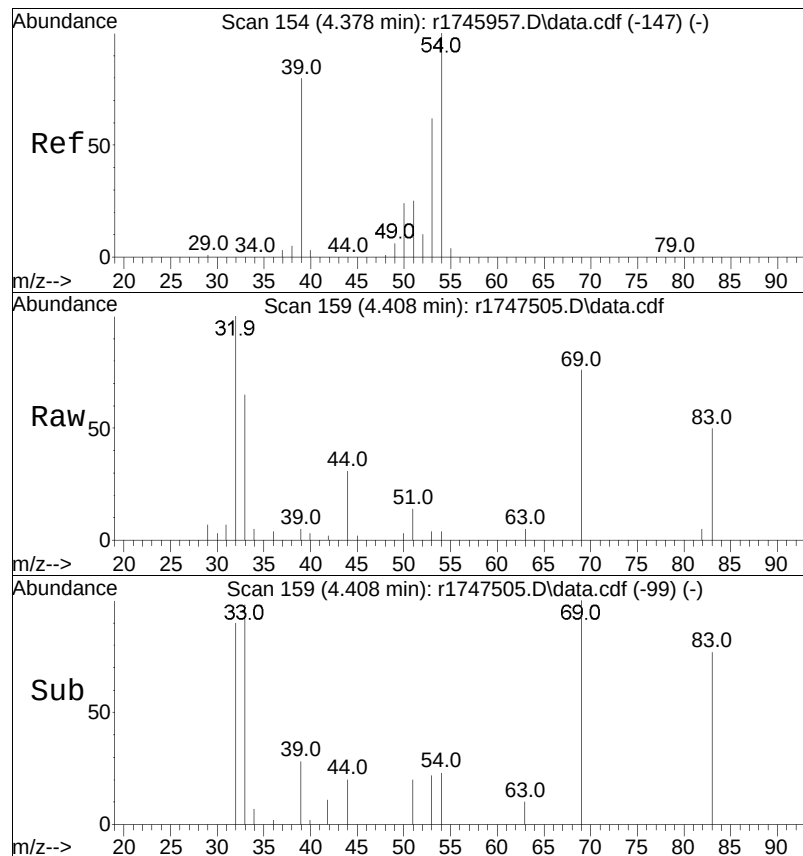




#6
 chloromethane
 Concen: 0.13 ppbV m
 RT: 4.054 min Scan# 100
 Delta R.T. 0.030 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

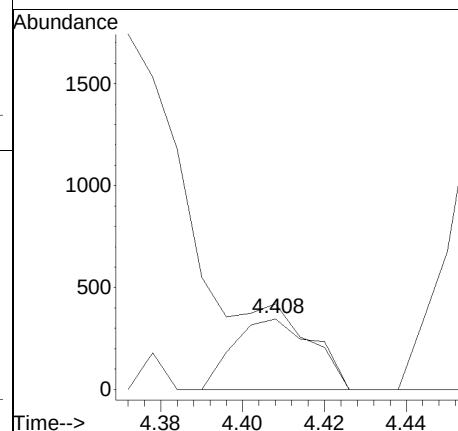
Tgt Ion	Ratio	Lower	Upper
50	100		
52	41.9	25.4	38.2#

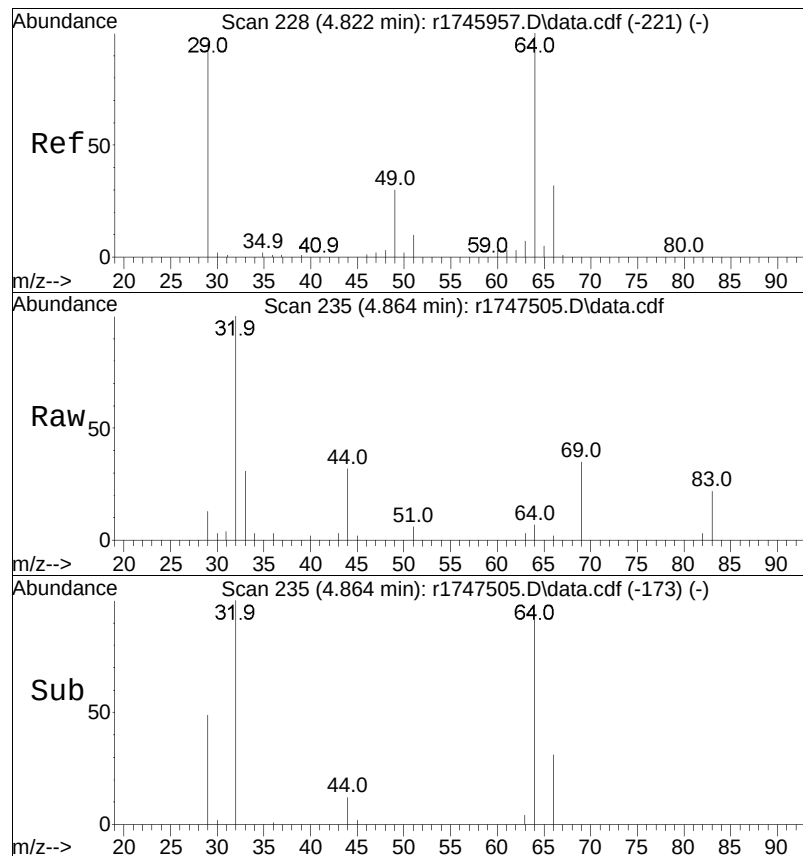




#10
 1,3-butadiene
 Concen: 0.05 ppbV
 RT: 4.408 min Scan# 159
 Delta R.T. 0.030 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

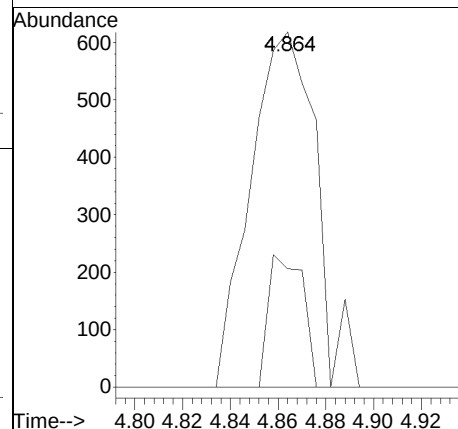
Tgt Ion	Ratio	Lower	Upper
54	100		
39	121.4	65.0	97.6#

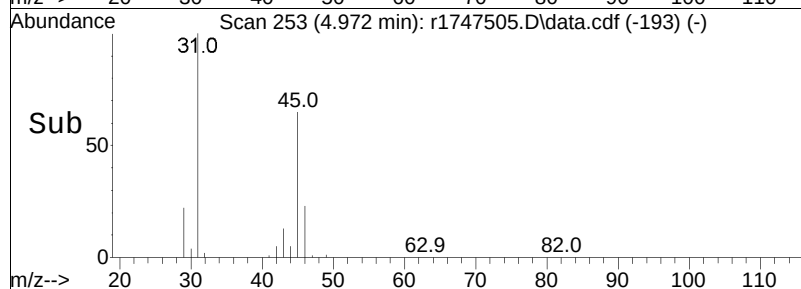
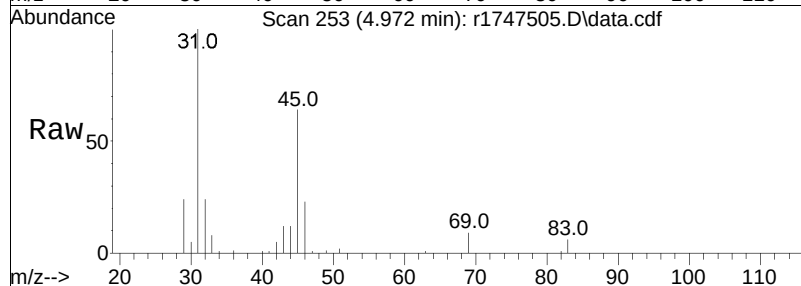
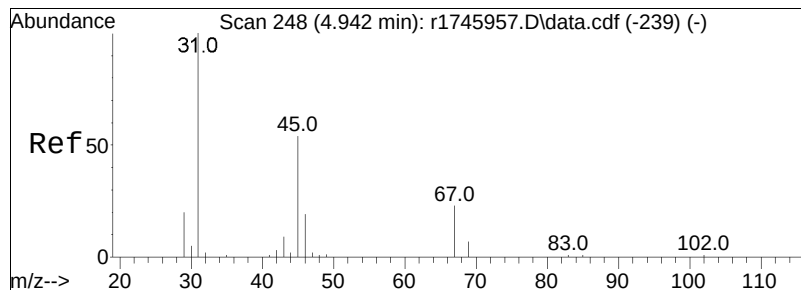




#14
 chloroethane
 Concen: 0.21 ppbV
 RT: 4.864 min Scan# 235
 Delta R.T. 0.042 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

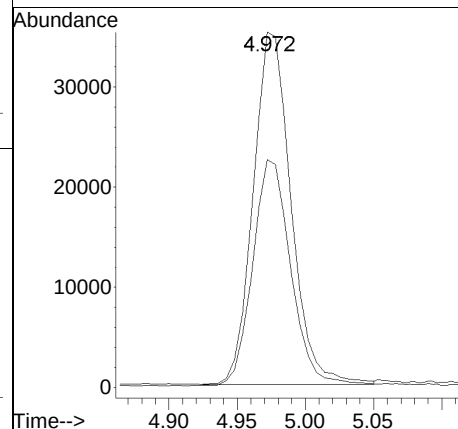
Tgt Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.8	38.6

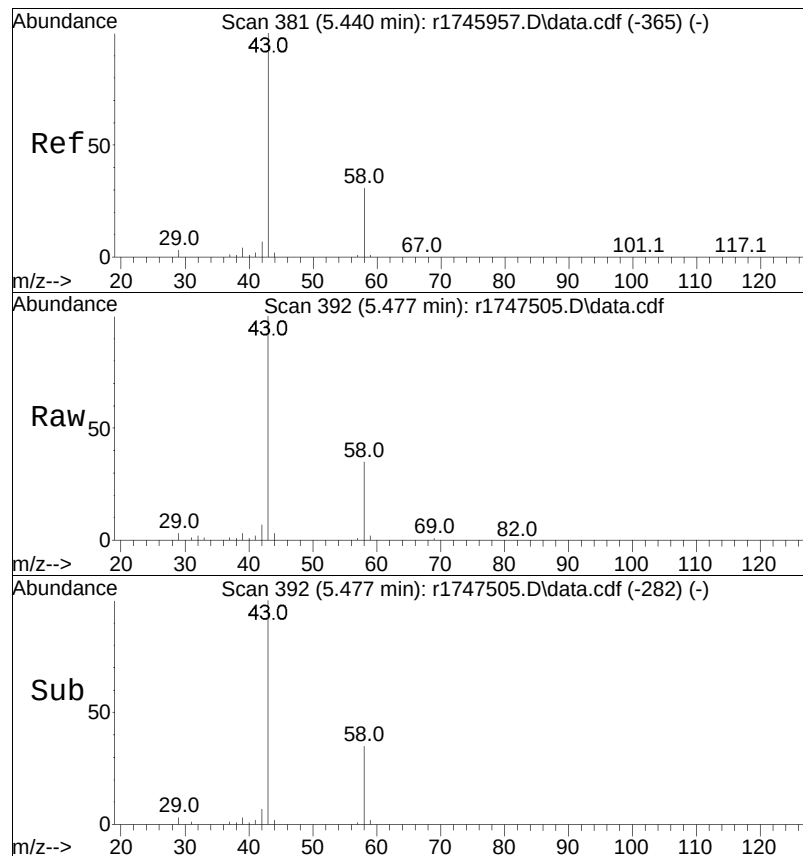




#15
ethanol
Concen: 8.33 ppbV
RT: 4.972 min Scan# 253
Delta R.T. 0.030 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

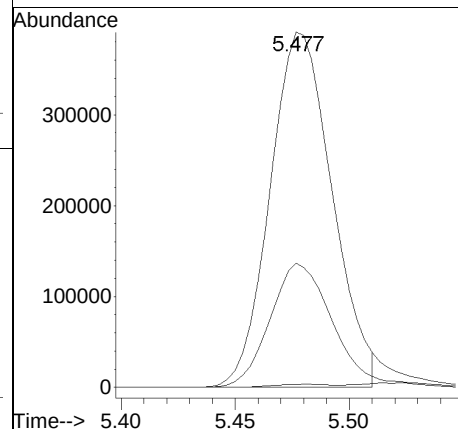
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	64.1	43.0	64.6	

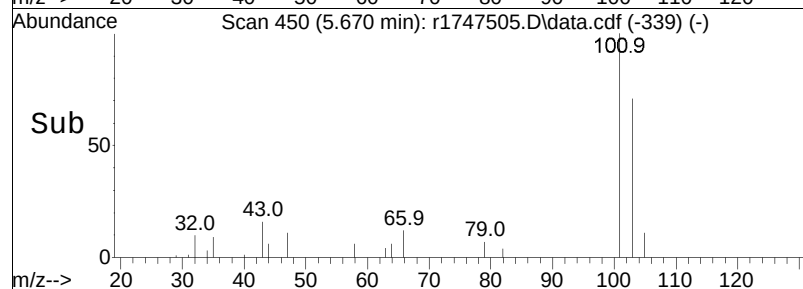
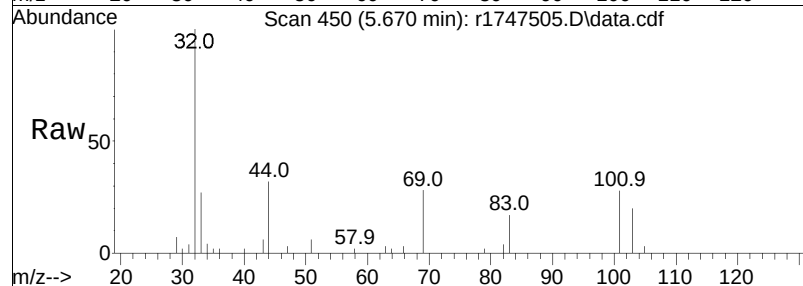
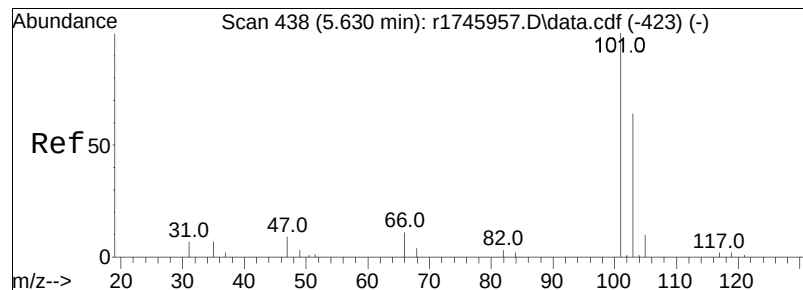




#19
 acetone
 Concen: 40.37 ppbV m
 RT: 5.477 min Scan# 392
 Delta R.T. 0.037 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

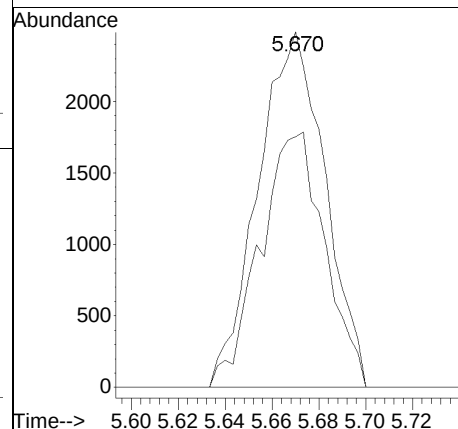
Tgt	Ion: 43	Resp:	739162
Ion	Ratio	Lower	Upper
43	100		
58	34.9	24.7	37.1
57	0.8	0.6	0.8

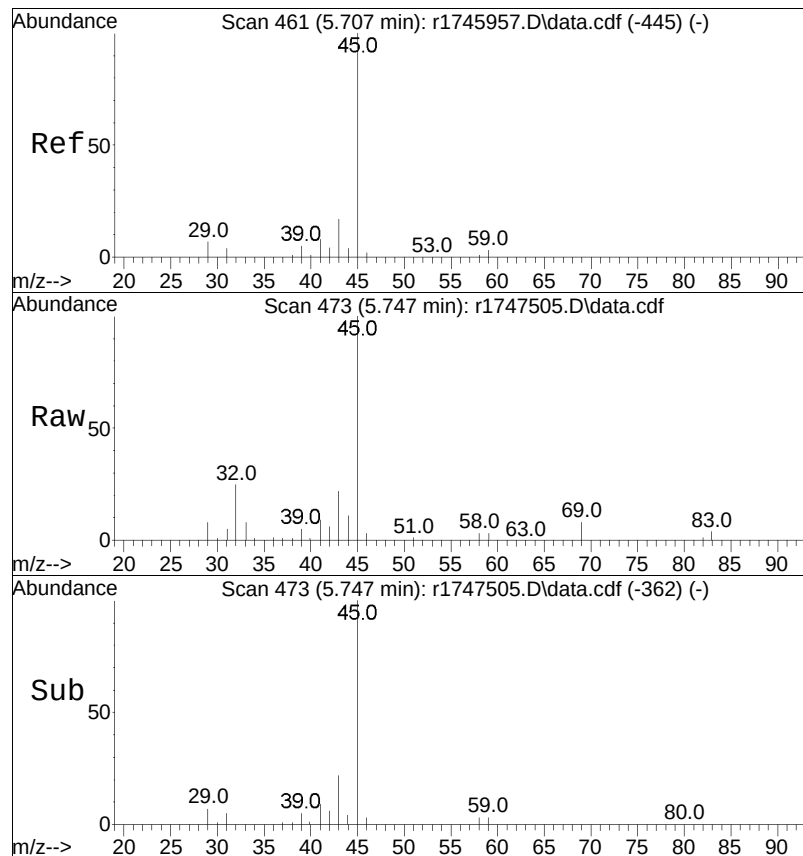




#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 5.670 min Scan# 450
Delta R.T. 0.040 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

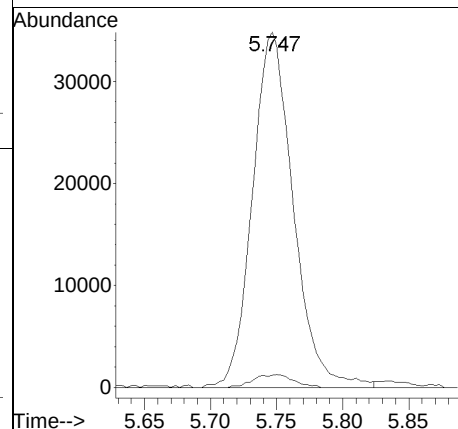
Tgt Ion	Ratio	Lower	Upper
101	100		
103	70.6	50.9	76.3

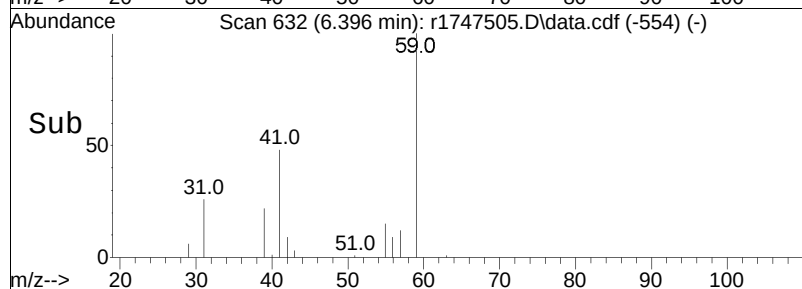
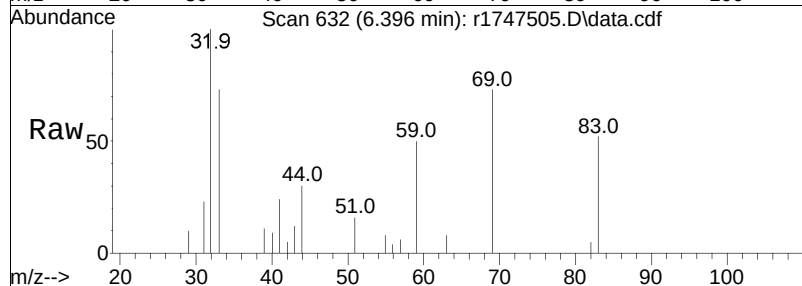
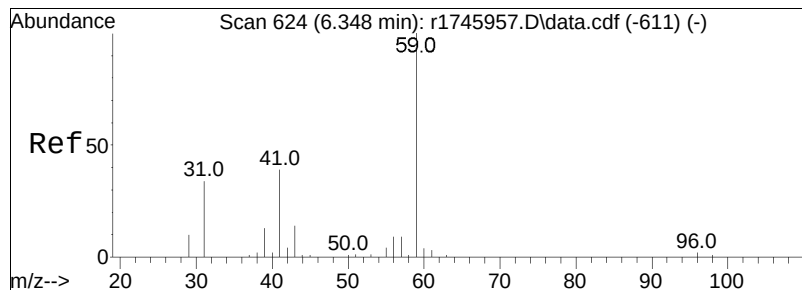




#22
 isopropyl alcohol
 Concen: 3.23 ppbV
 RT: 5.747 min Scan# 473
 Delta R.T. 0.040 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

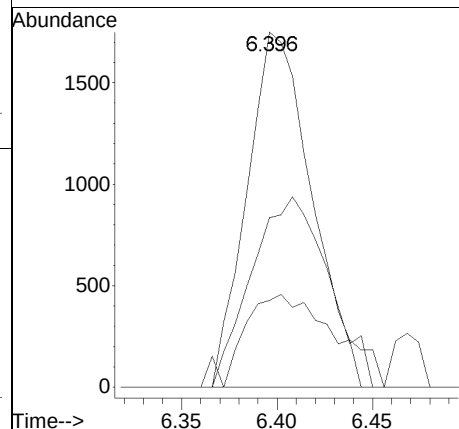
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.4	2.6	4.0

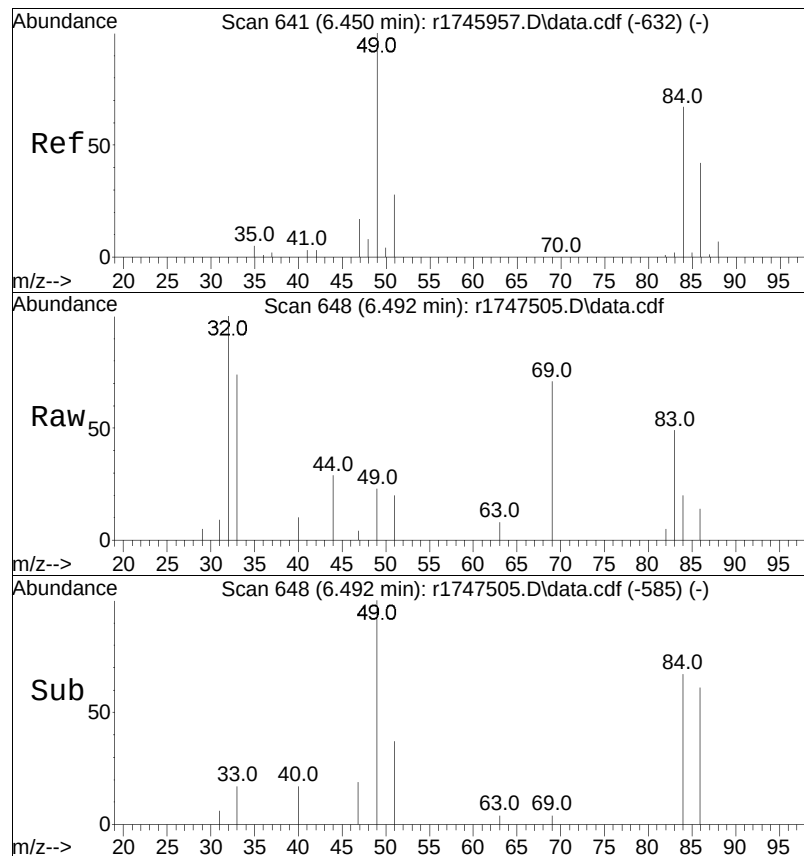




#27
 tertiary butyl alcohol
 Concen: 0.22 ppbV
 RT: 6.396 min Scan# 632
 Delta R.T. 0.048 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

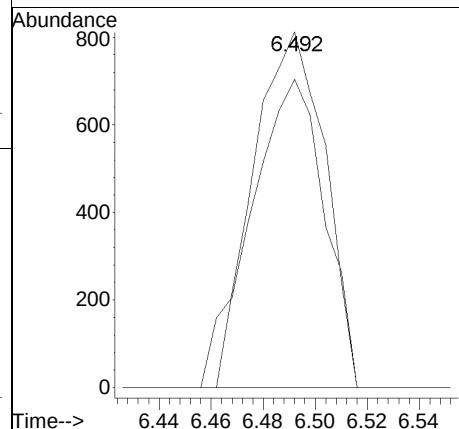
Tgt Ion	Ratio	Lower	Upper
59	100		
41	47.8	31.1	46.7#
43	24.5	11.7	17.5#

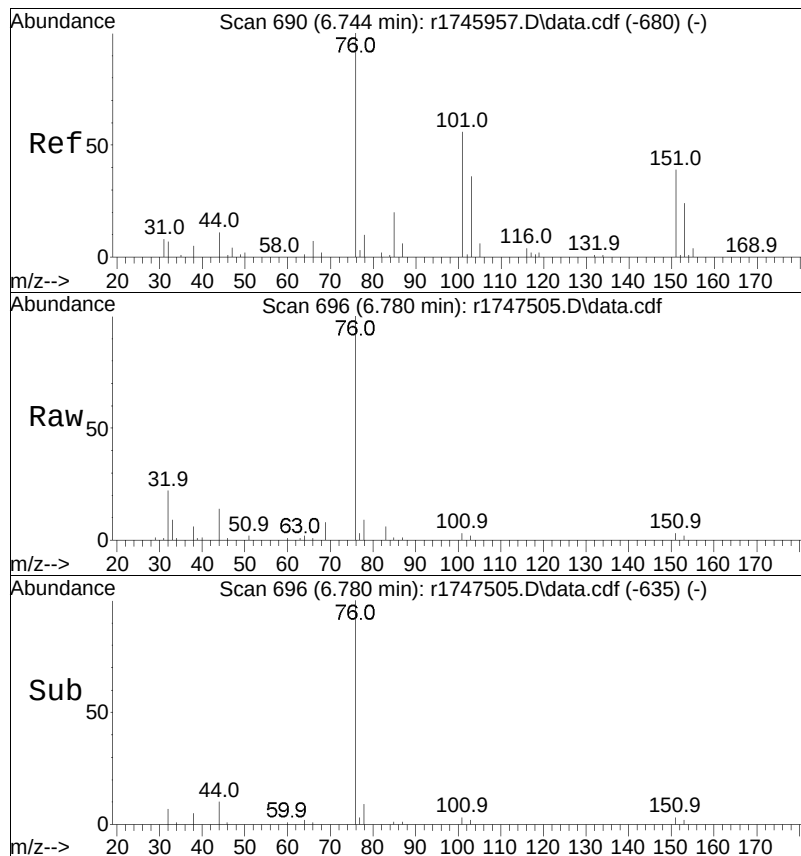




#28
 methylene chloride
 Concen: 0.09 ppbV
 RT: 6.492 min Scan# 648
 Delta R.T. 0.042 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

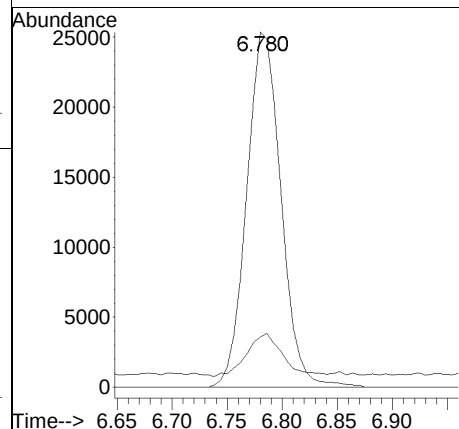
Tgt Ion:	49	84	Ratio	100	86.7	Resp:	1547	Lower	53.4	Upper	80.0#

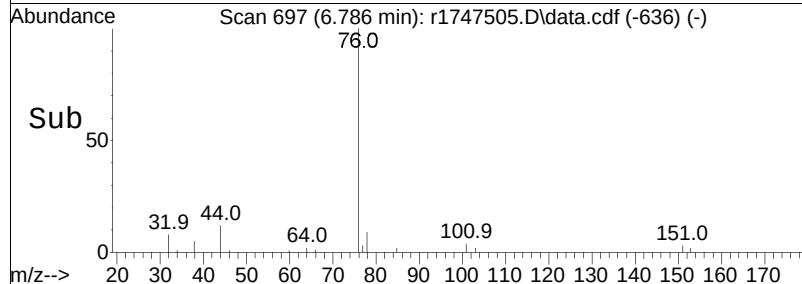
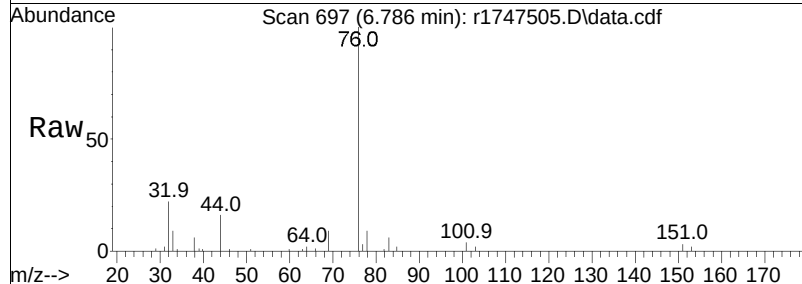
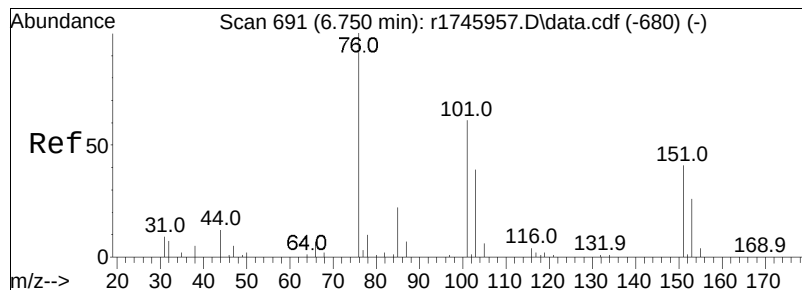




#30
 carbon disulfide
 Concen: 1.42 ppbV
 RT: 6.780 min Scan# 696
 Delta R.T. 0.036 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

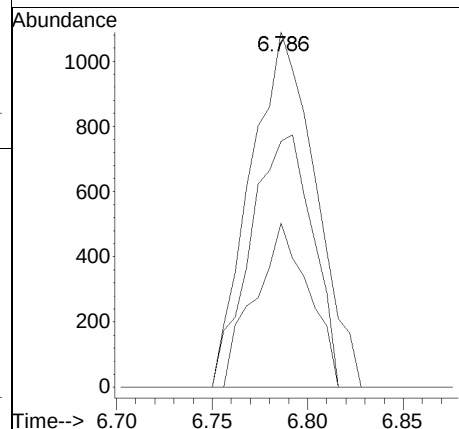
Tgt Ion	Ratio	Lower	Upper
76	100		
44	14.2	9.4	14.0#

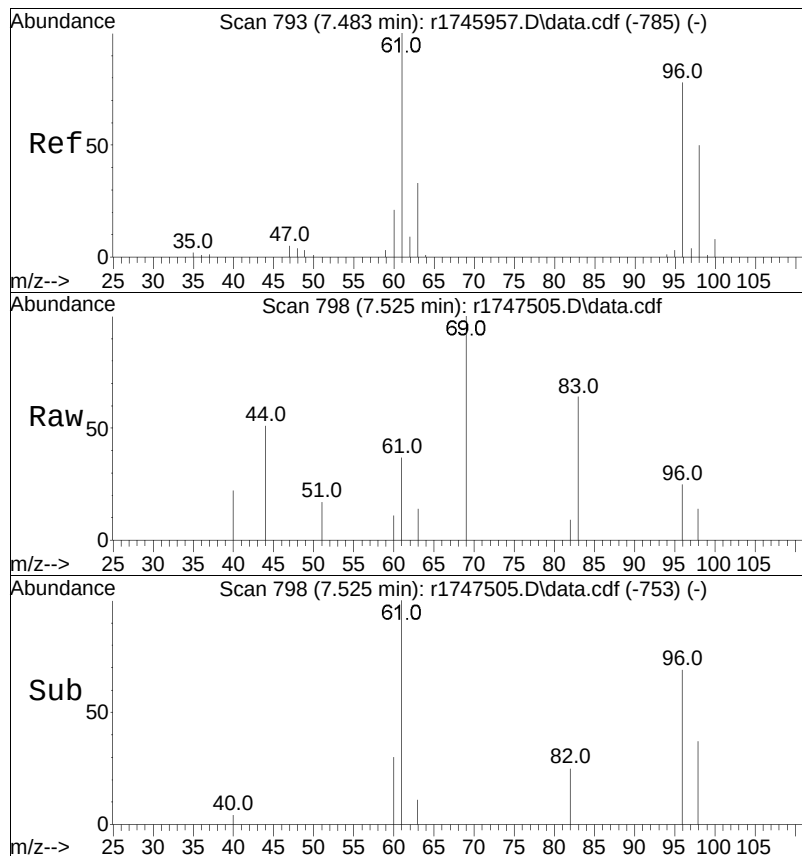




#31
 Freon 113
 Concen: 0.10 ppbV
 RT: 6.786 min Scan# 697
 Delta R.T. 0.036 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

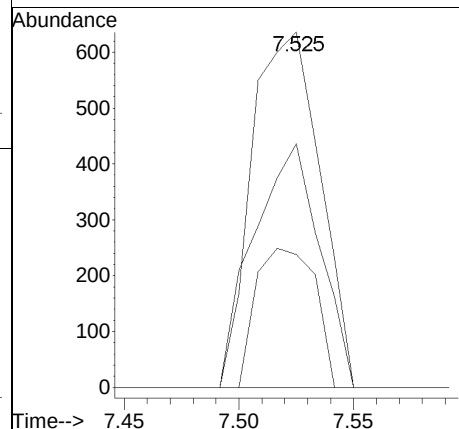
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	2576		
85	46.2		29.0	43.4#
151	69.2		53.6	80.4

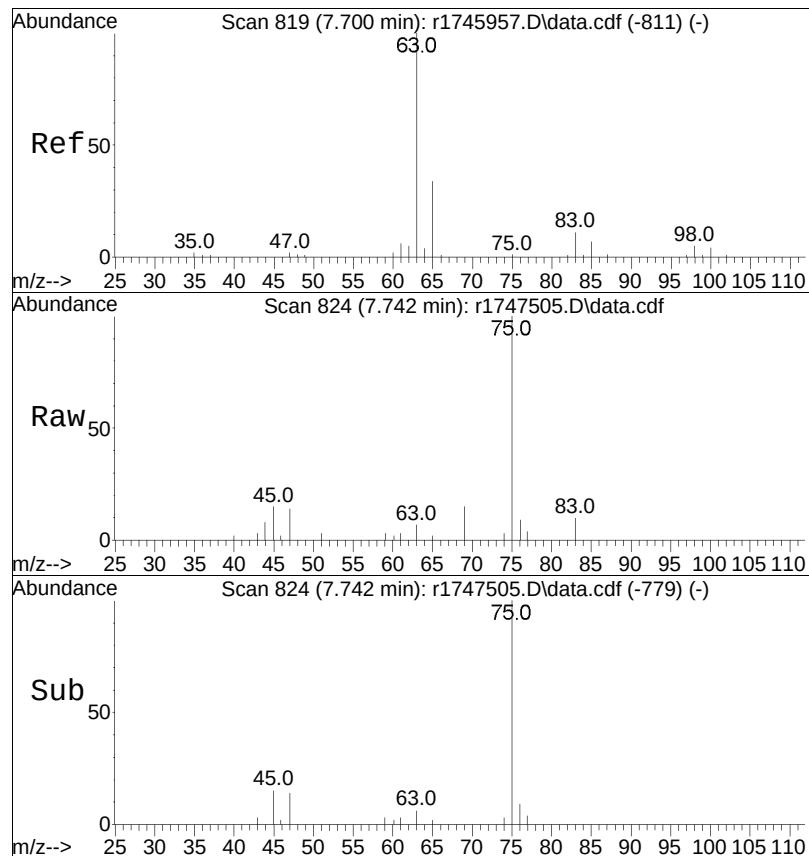




#32
trans-1,2-dichloroethene
Concen: 0.08 ppbV
RT: 7.525 min Scan# 798
Delta R.T. 0.042 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

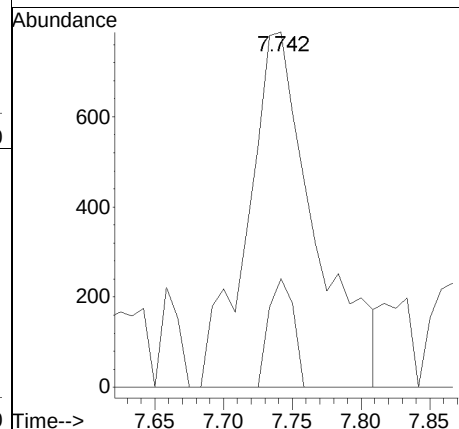
Tgt Ion:	61	Resp:	1312
Ion Ratio	Lower	Upper	
61	100		
96	68.6	62.1	93.1
98	37.4	40.0	60.0#

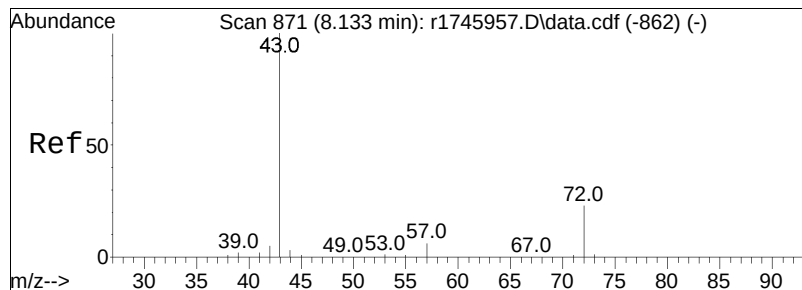




#33
 1,1-dichloroethane
 Concen: 0.12 ppbV
 RT: 7.742 min Scan# 824
 Delta R.T. 0.042 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	27.3	40.9





#36

2-butanone

Concen: 0.59 ppbV

RT: 8.183 min Scan# 877

Delta R.T. 0.050 min

Lab File: r1747505.D

Acq: 7 Mar 2025 7:40 AM

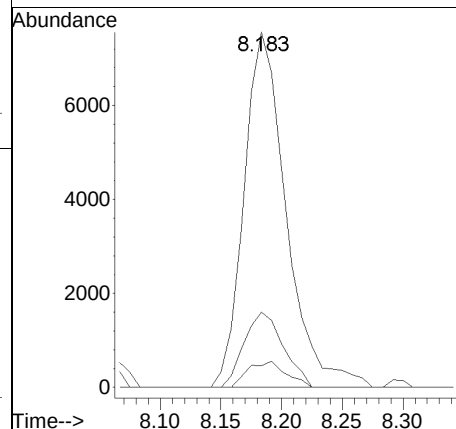
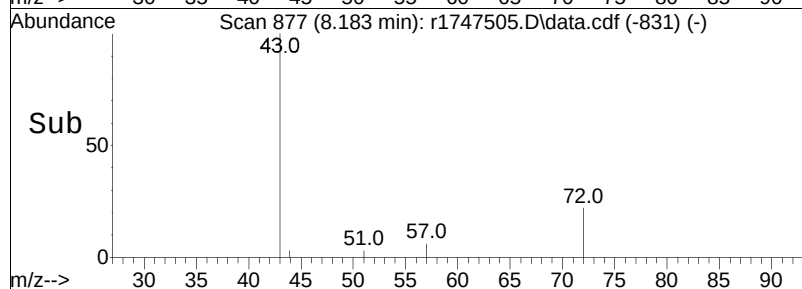
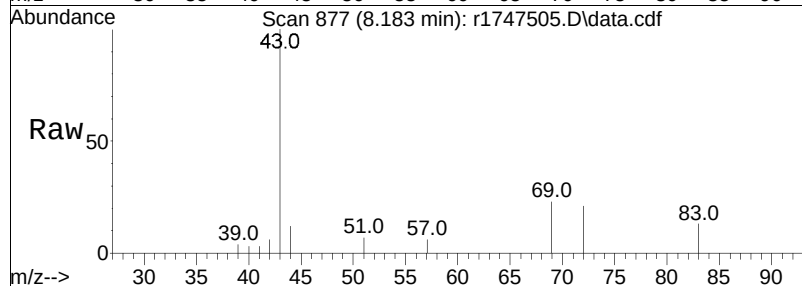
Tgt Ion: 43 Resp: 18326

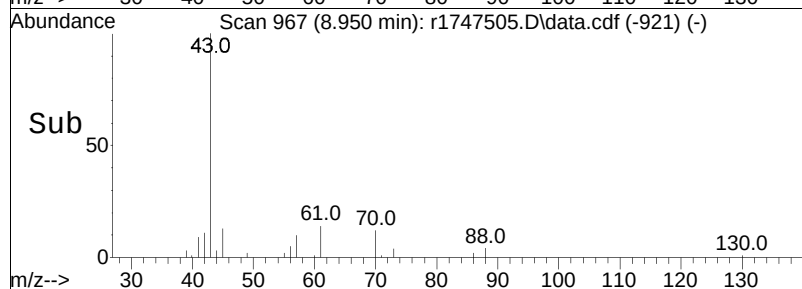
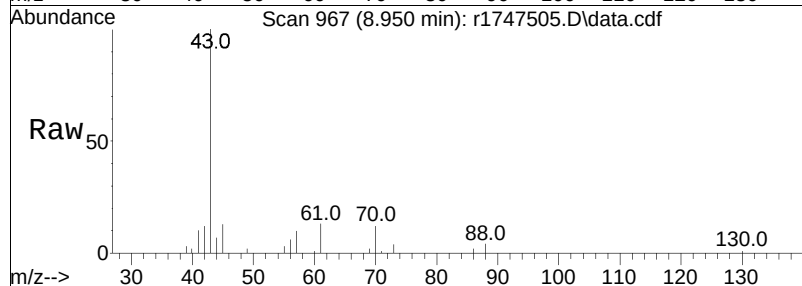
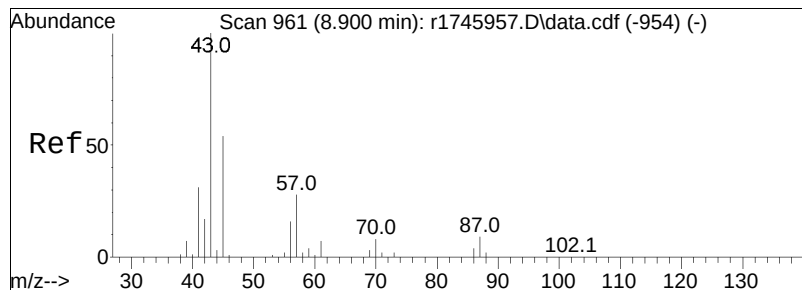
Ion Ratio Lower Upper

43 100

72 21.2 18.1 27.1

57 6.1 4.6 6.8





#38

Ethyl Acetate

Concen: 1.28 ppbV

RT: 8.950 min Scan# 967

Delta R.T. 0.050 min

Lab File: r1747505.D

Acq: 7 Mar 2025 7:40 AM

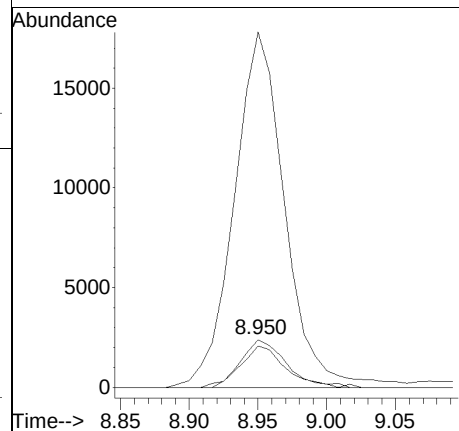
Tgt Ion: 61 Resp: 5434

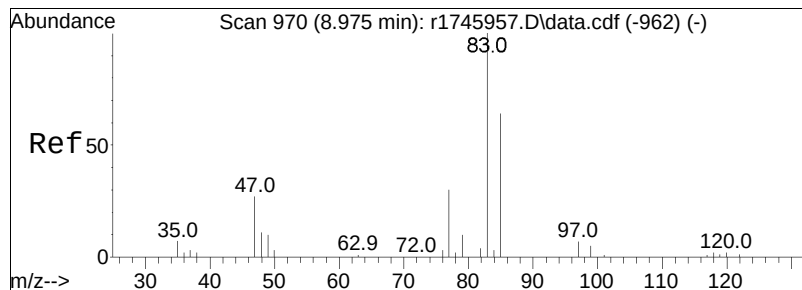
Ion Ratio Lower Upper

61 100

70 86.8 85.8 128.8

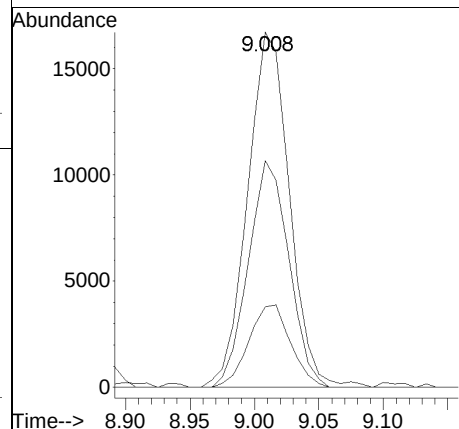
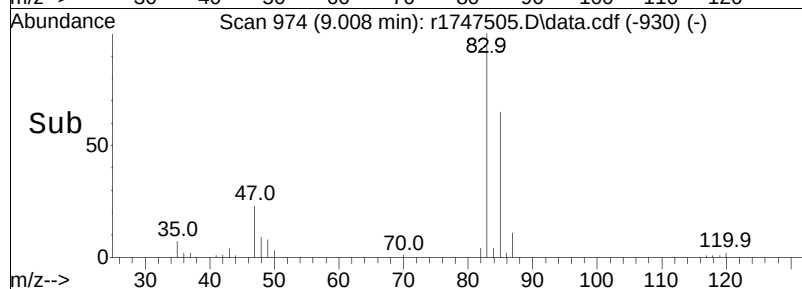
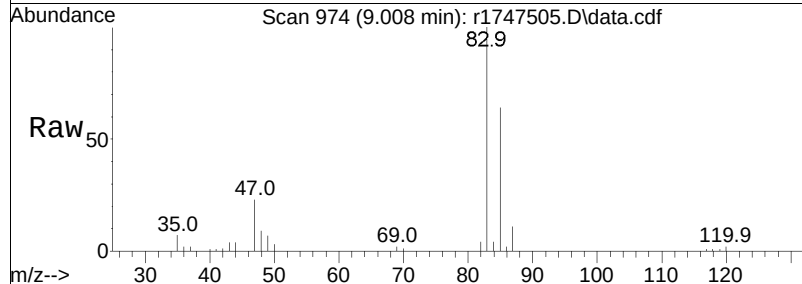
43 744.0 1077.6 1616.4#

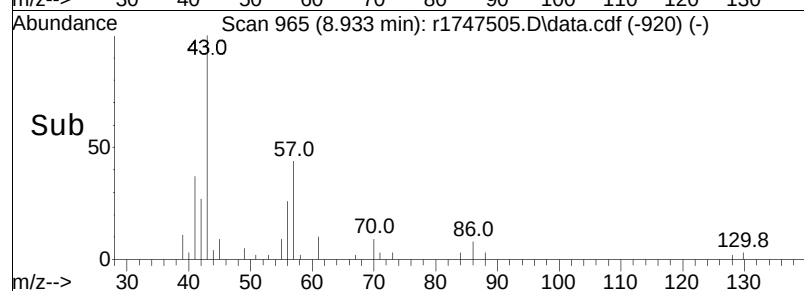
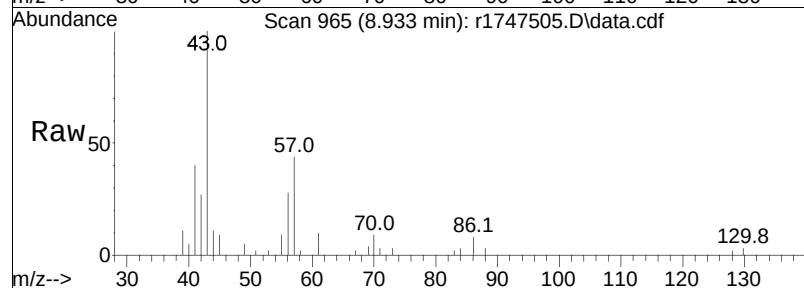
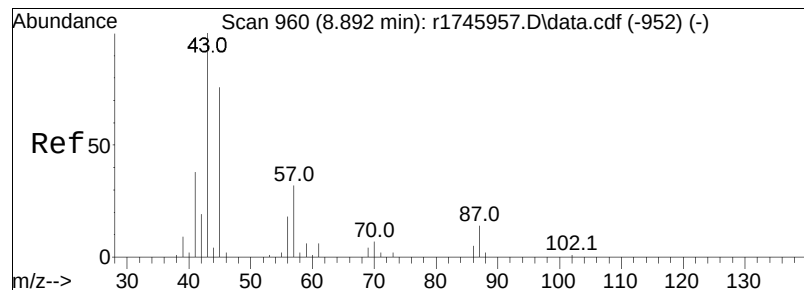




#39
chloroform
Concen: 1.67 ppbV
RT: 9.008 min Scan# 974
Delta R.T. 0.033 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

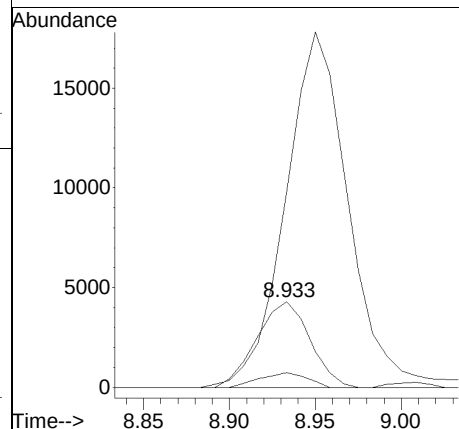
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4
47	22.7	21.4	32.2

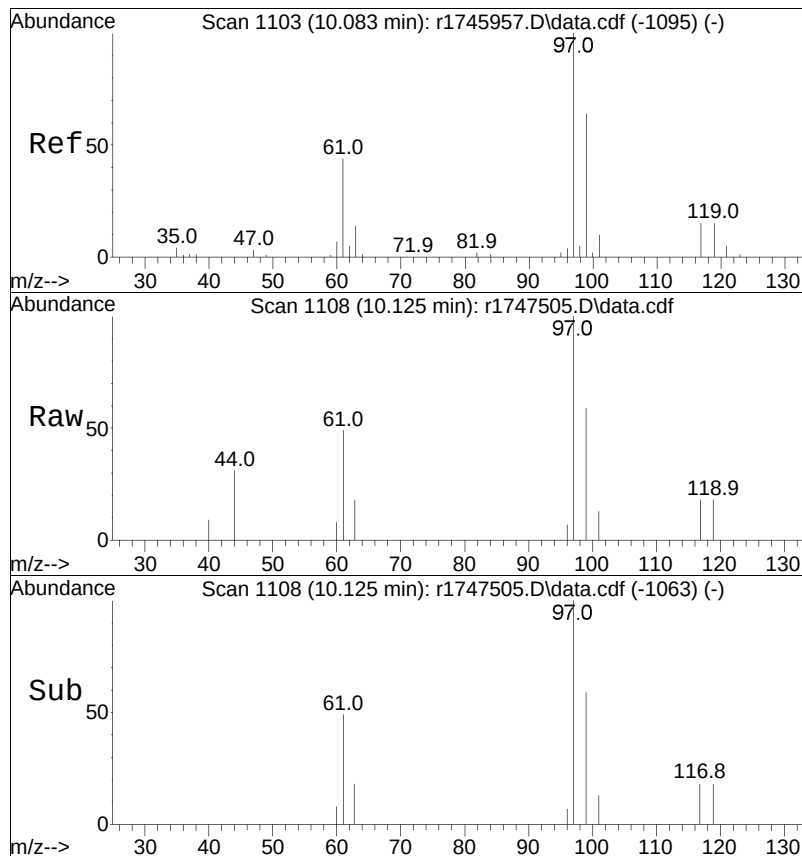




#44
hexane
Concen: 0.46 ppbV
RT: 8.933 min Scan# 965
Delta R.T. 0.042 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

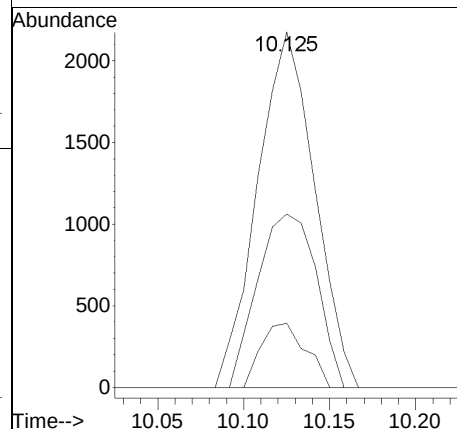
Tgt Ion	Ratio	Lower	Upper
57	100		
43	228.6	247.4	371.0#
86	17.3	12.9	19.3

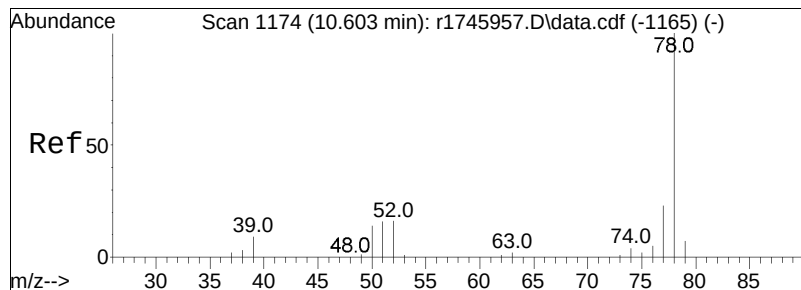




#48
 1,1,1-trichloroethane
 Concen: 0.27 ppbV
 RT: 10.125 min Scan# 1108
 Delta R.T. 0.042 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

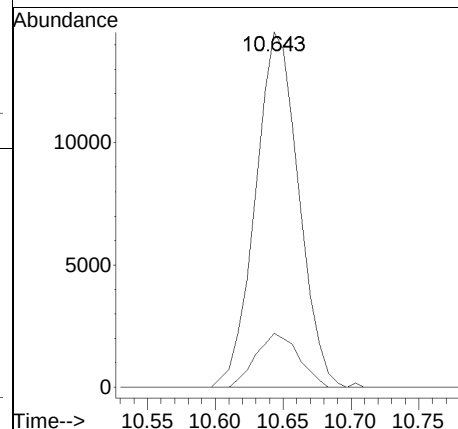
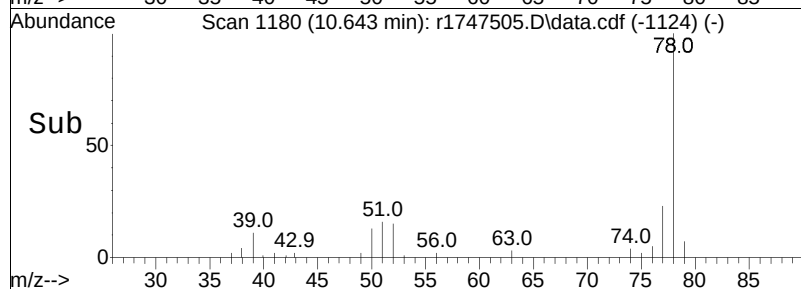
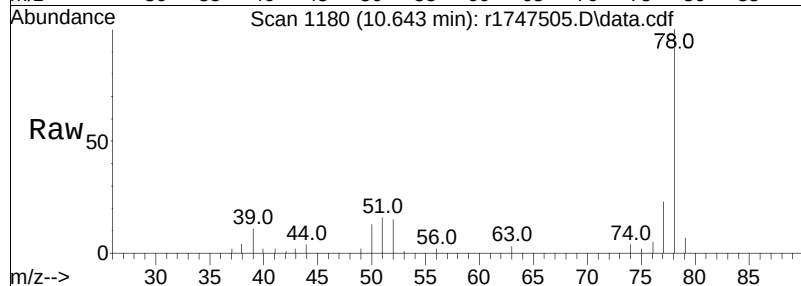
Tgt Ion:	97	Resp:	5032
Ion Ratio	Lower	Upper	
97	100		
61	48.8	35.0	52.6
119	18.1	12.2	18.2

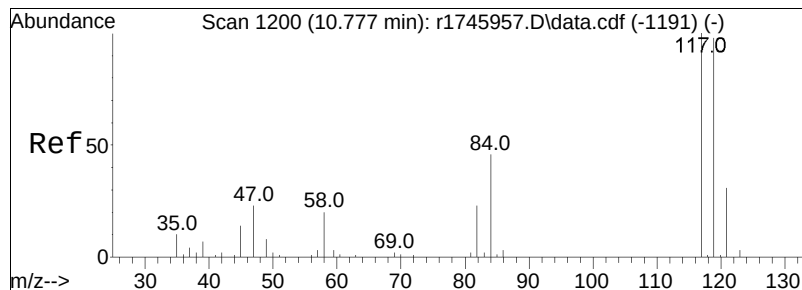




#50
benzene
Concen: 0.74 ppbV
RT: 10.643 min Scan# 1180
Delta R.T. 0.040 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

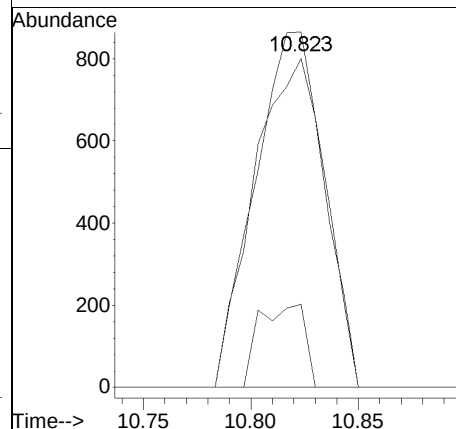
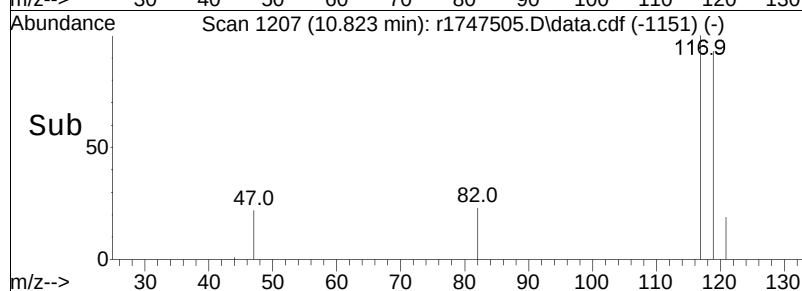
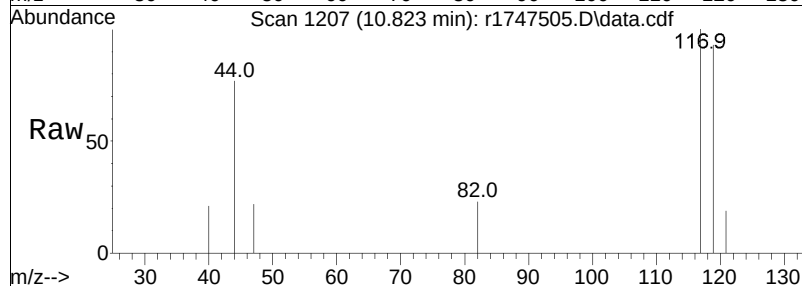
Tgt Ion	Ratio	Lower	Upper
78	100		
52	15.2	12.5	18.7

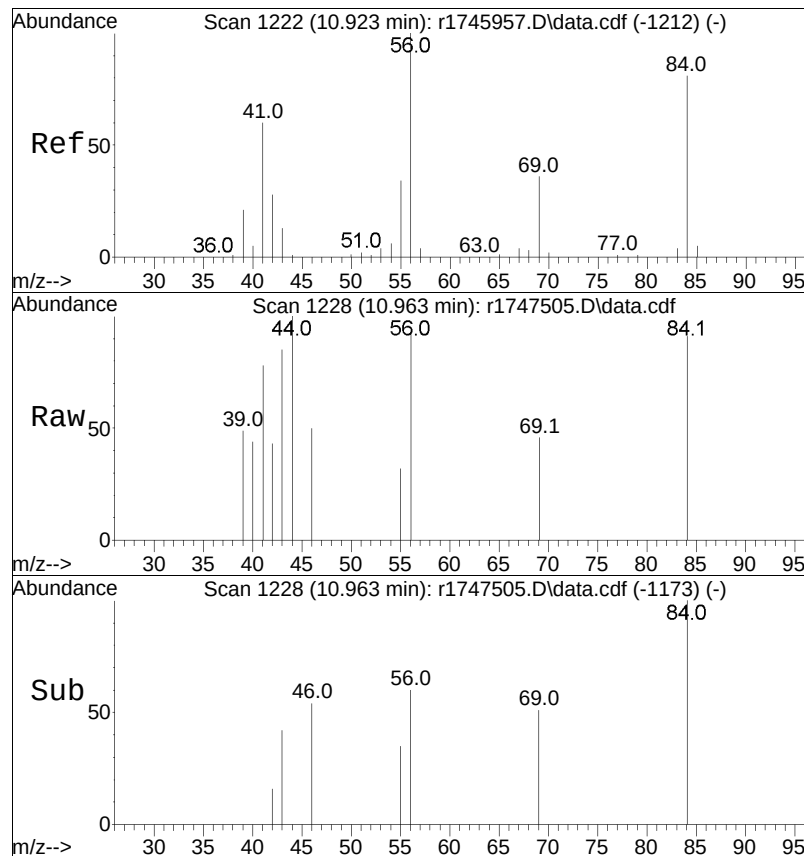




#52
carbon tetrachloride
Concen: 0.12 ppbV
RT: 10.823 min Scan# 1207
Delta R.T. 0.047 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

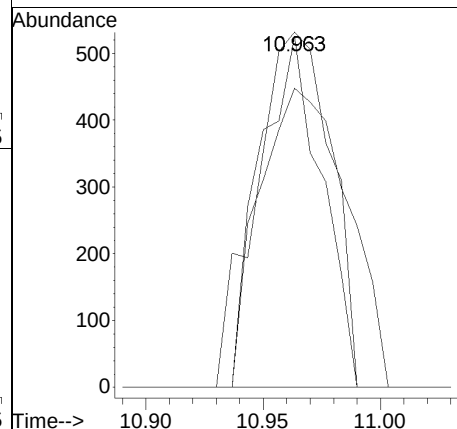
Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.2	117.2
82	23.4	18.6	28.0

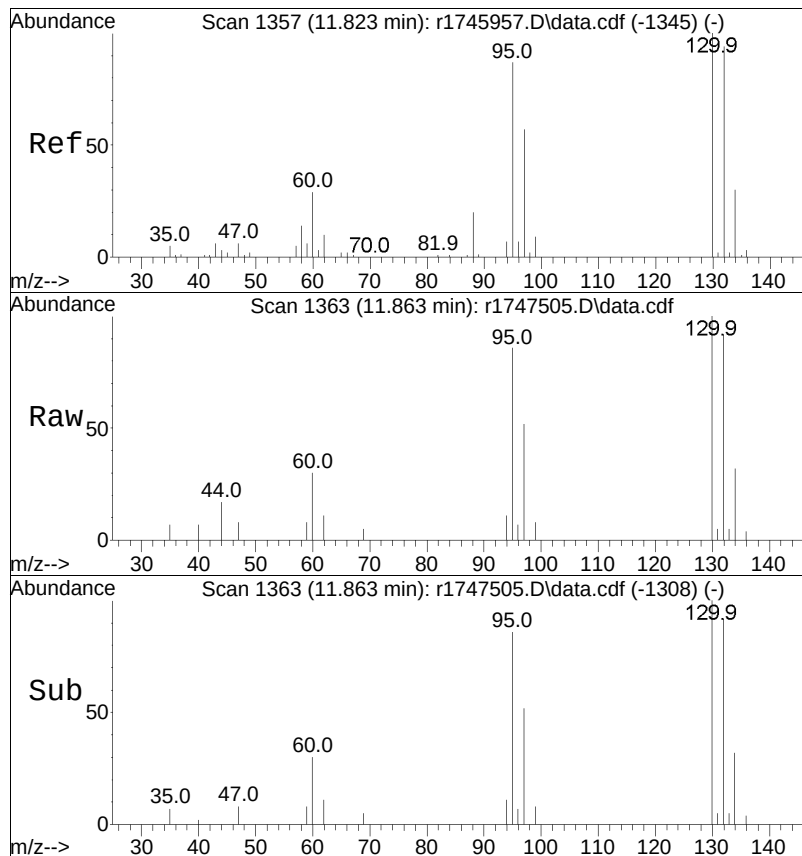




#53
cyclohexane
Concen: 0.06 ppbV
RT: 10.963 min Scan# 1228
Delta R.T. 0.040 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

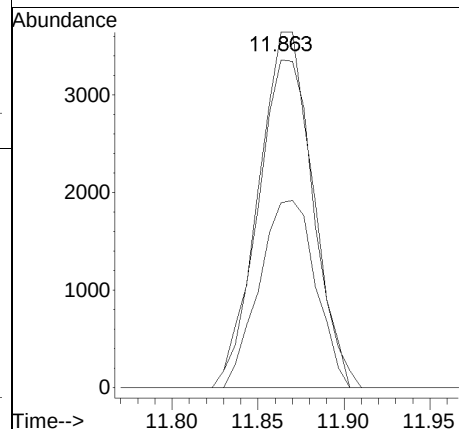
Tgt Ion	Ratio	Lower	Upper
56	100		
84	98.9	65.4	98.0#
41	84.2	48.2	72.4#

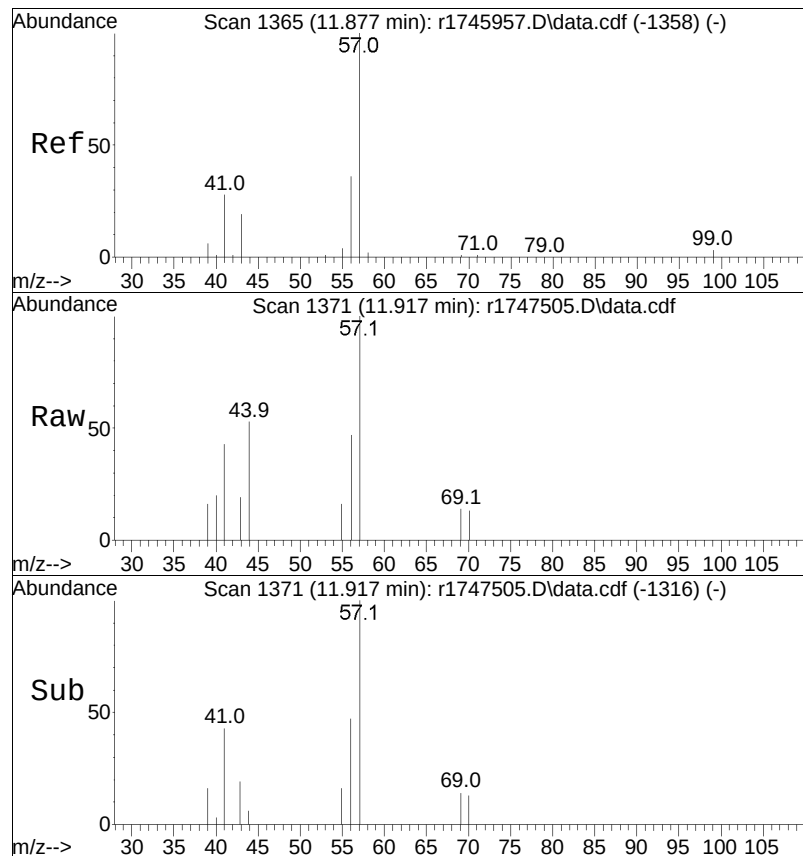




#59
 trichloroethene
 Concen: 0.41 ppbV
 RT: 11.863 min Scan# 1363
 Delta R.T. 0.040 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

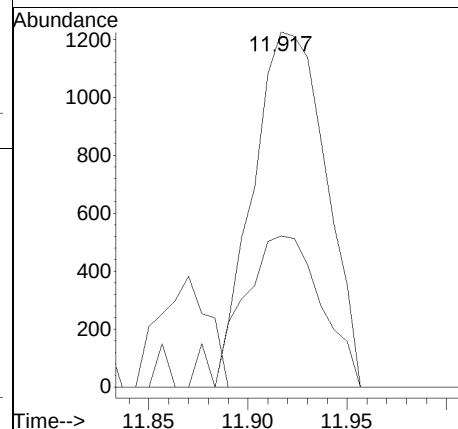
Tgt	Ion:130	Resp:	8079
Ion	Ratio	Lower	Upper
130	100		
132	92.2	75.5	113.3
97	52.0	45.9	68.9

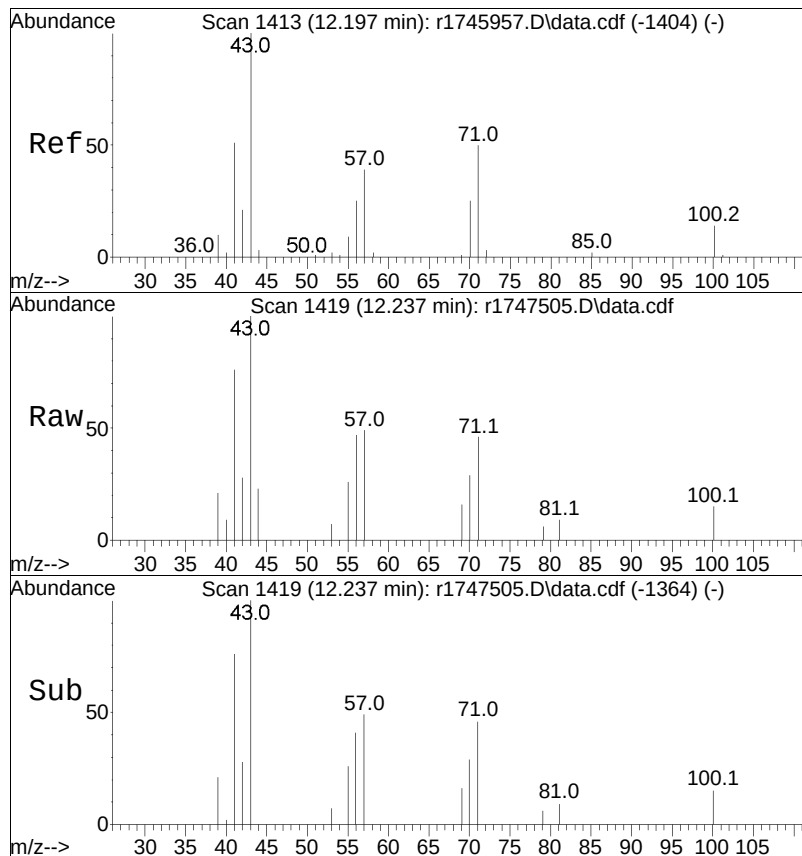




#60
 2,2,4-trimethylpentane
 Concen: 0.05 ppbV
 RT: 11.917 min Scan# 1371
 Delta R.T. 0.040 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

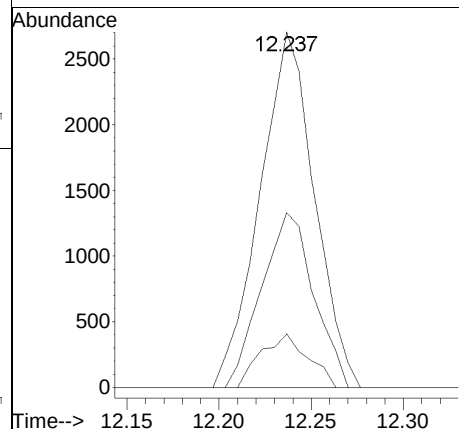
Tgt Ion	Ratio	Lower	Upper
57	100		
99	0.0	4.6	6.8#
41	42.6	22.3	33.5#

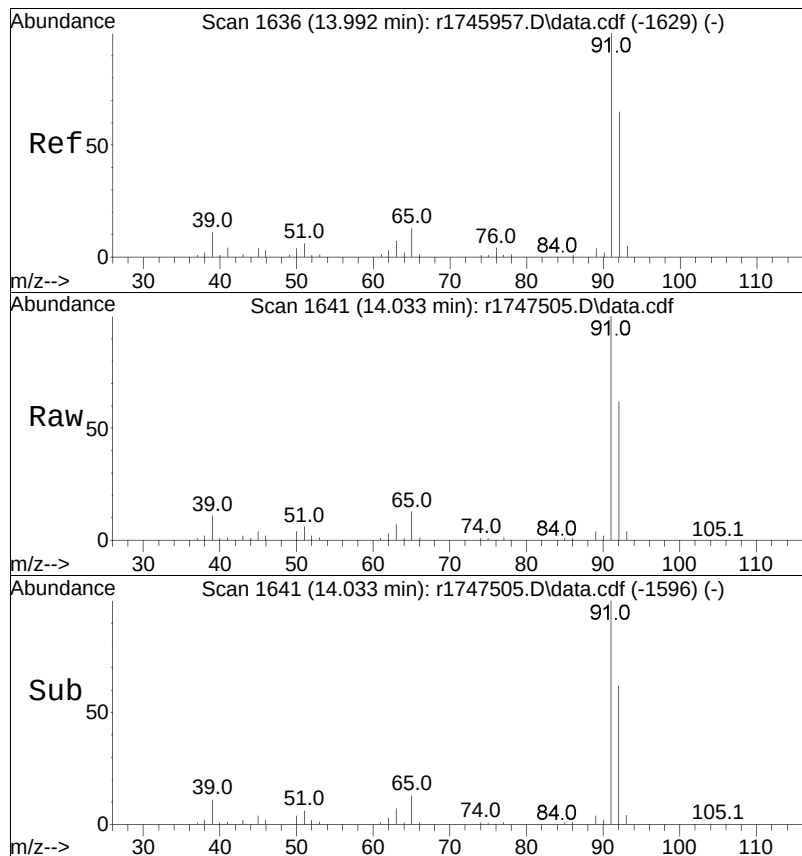




#62
 heptane
 Concen: 0.18 ppbV
 RT: 12.237 min Scan# 1419
 Delta R.T. 0.040 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

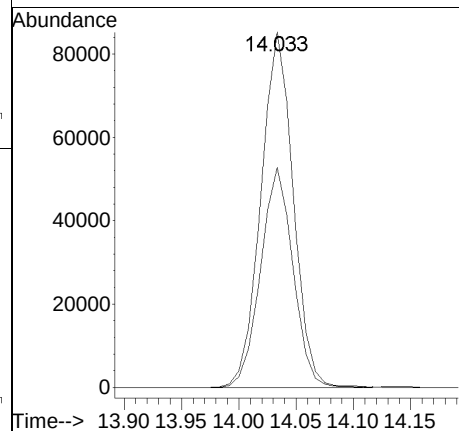
Tgt Ion:	43	Resp:	5566
Ion Ratio	Lower	Upper	
43	100		
57	49.2	31.1	46.7#
100	15.0	11.4	17.2

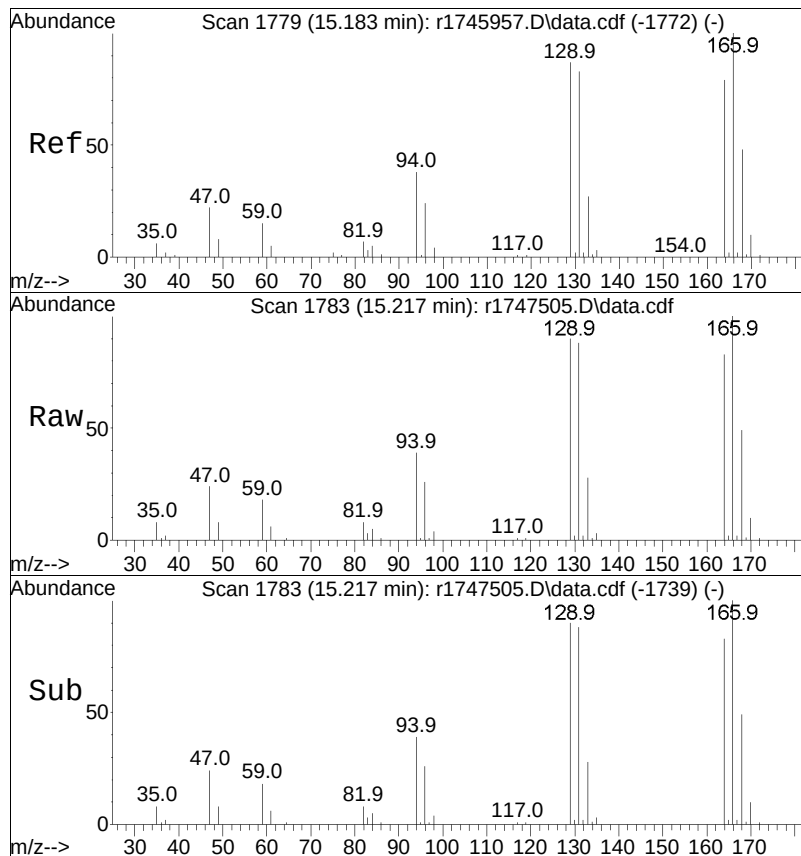




#68
toluene
Concen: 3.00 ppbV
RT: 14.033 min Scan# 1641
Delta R.T. 0.042 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

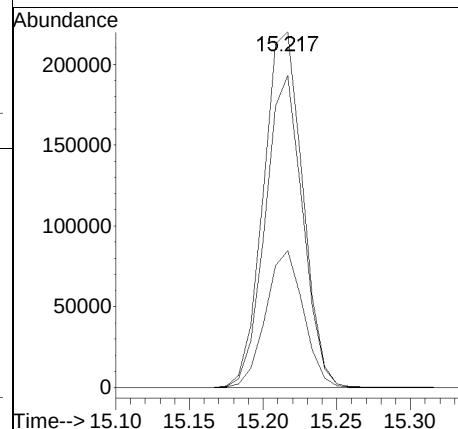
Tgt	Ion	Resp	Lower	Upper
91	100	167225		
92	61.9	51.7	77.5	

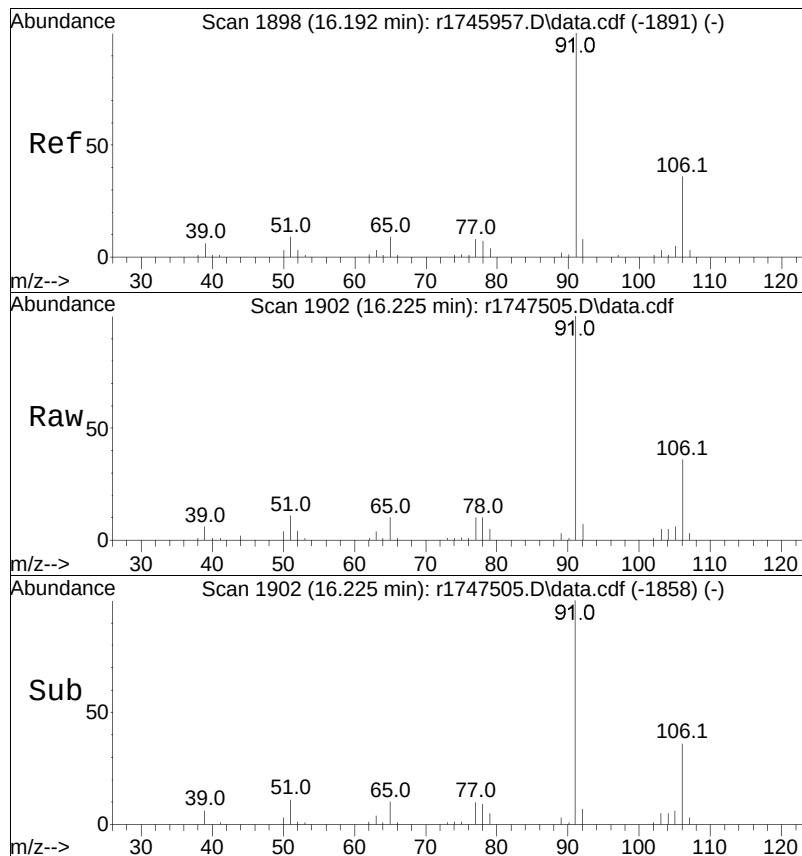




#78
 tetrachloroethene
 Concen: 17.83 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.033 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

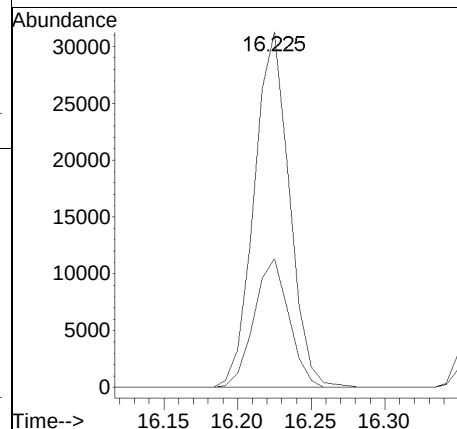
Tgt	Ion:166	Resp:	407459
Ion	Ratio	Lower	Upper
166	100		
131	87.8	66.4	99.6
94	38.5	30.1	45.1

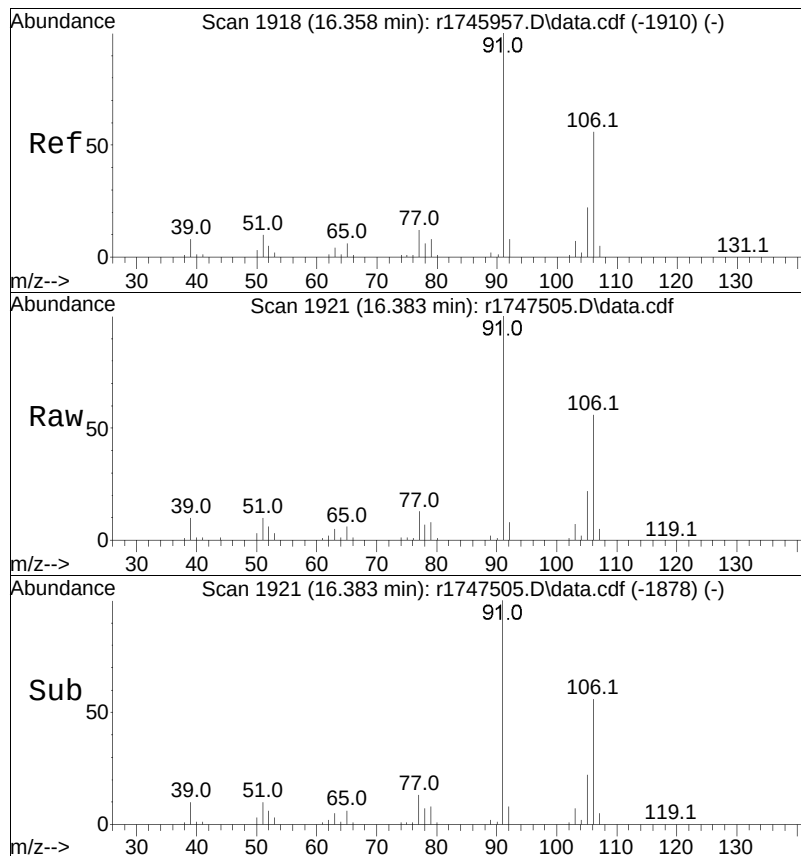




#81
ethylbenzene
Concen: 0.72 ppbV
RT: 16.225 min Scan# 1902
Delta R.T. 0.033 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

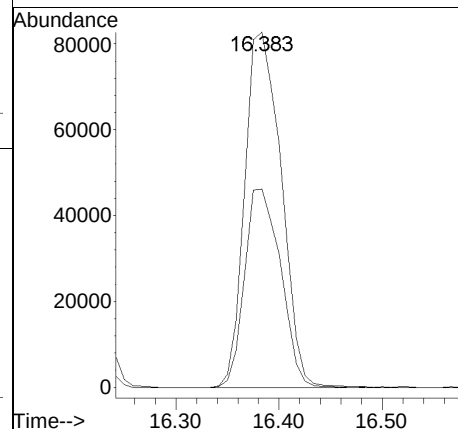
Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.3	28.5	42.7

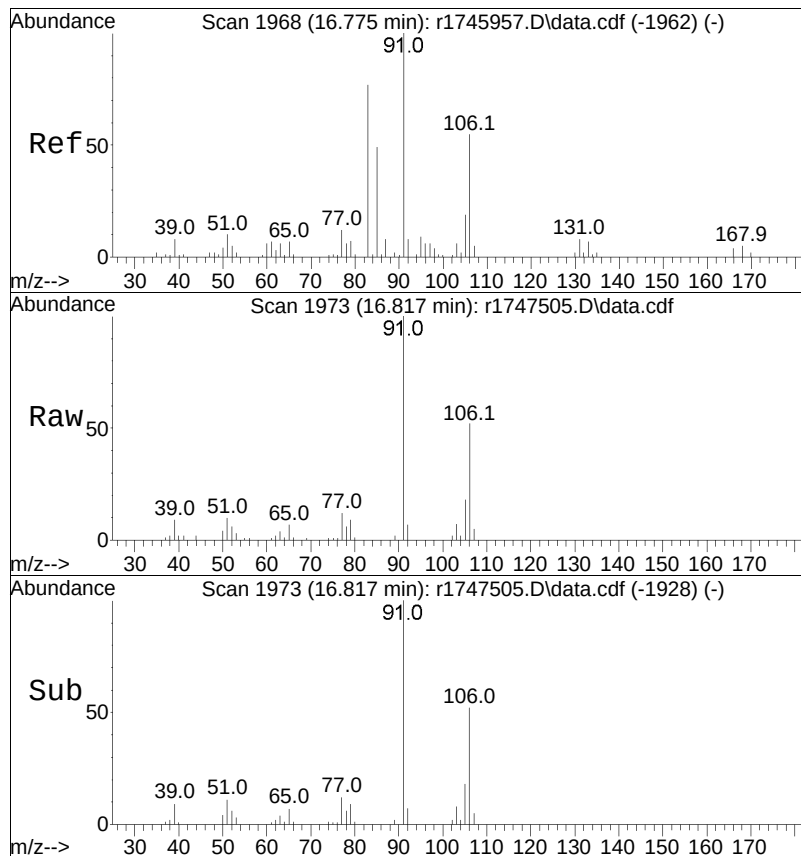




#83
 m+p-xylene
 Concen: 3.59 ppbV
 RT: 16.383 min Scan# 1921
 Delta R.T. 0.025 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

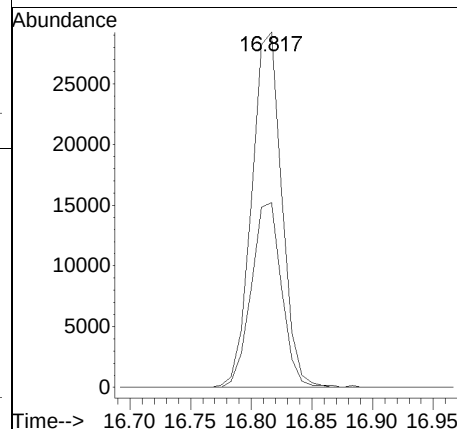
Tgt Ion	Ratio	Lower	Upper
91	100		
106	55.8	44.7	67.1

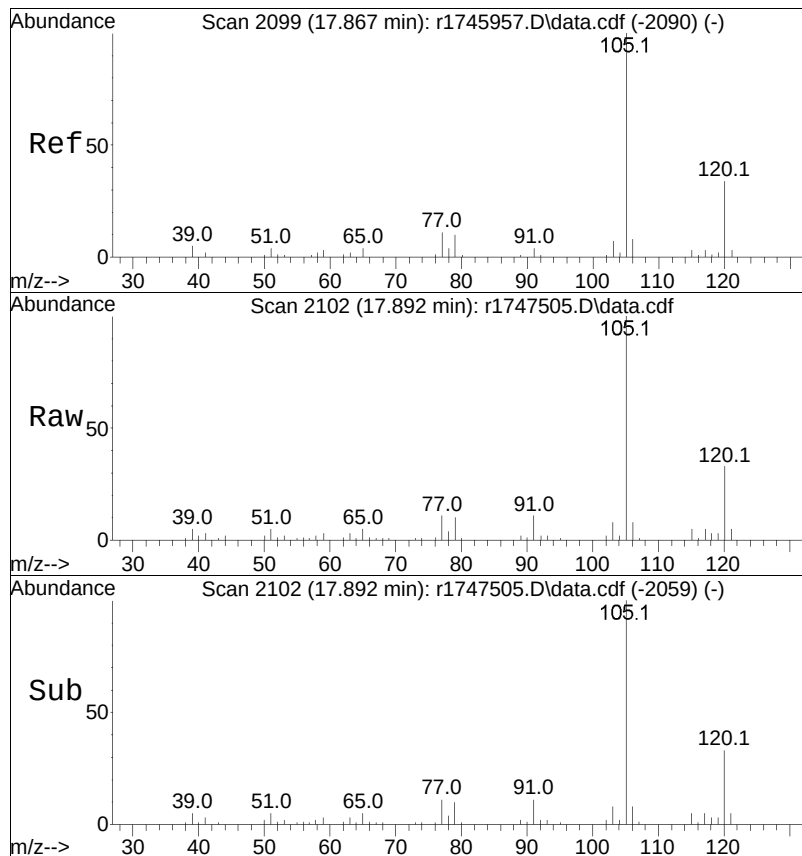




#87
 o-xylene
 Concen: 0.89 ppbV
 RT: 16.817 min Scan# 1973
 Delta R.T. 0.042 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

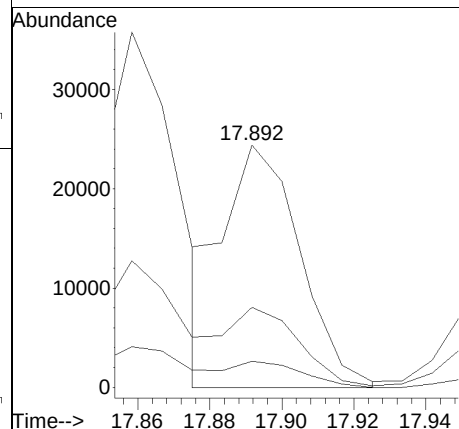
Tgt Ion	Ratio	Lower	Upper
91	100		
106	52.0	43.9	65.9

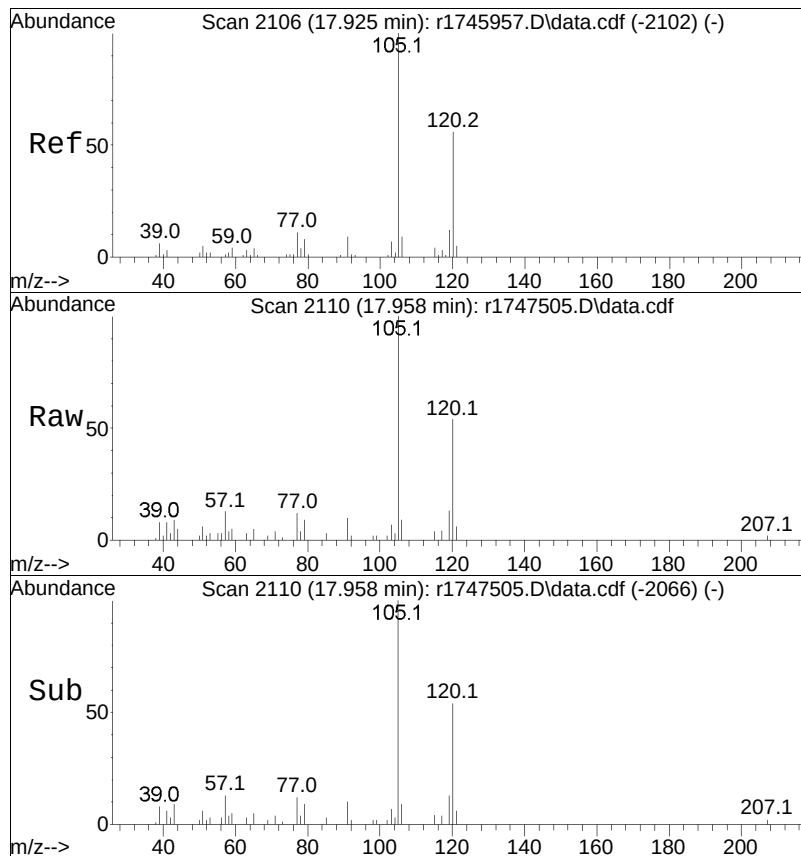




#96
 4-ethyl toluene
 Concen: 0.47 ppbV m
 RT: 17.892 min Scan# 2102
 Delta R.T. 0.025 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

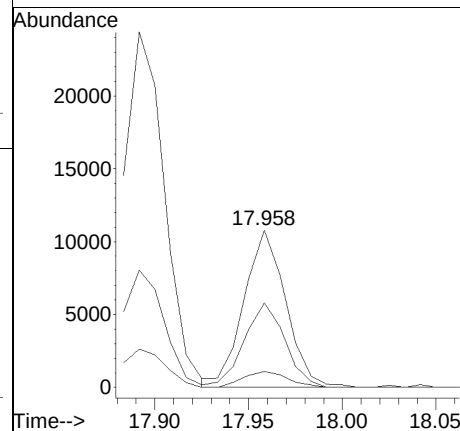
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	35862		
120	33.0		26.9	40.3
91	10.8		7.8	11.6

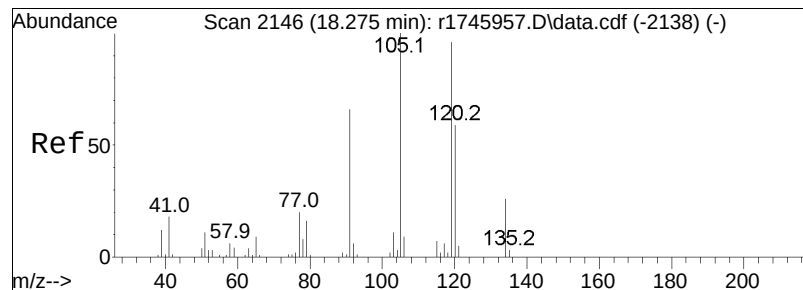




#97
 1,3,5-trimethylbenzene
 Concen: 0.26 ppbV
 RT: 17.958 min Scan# 2110
 Delta R.T. 0.033 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

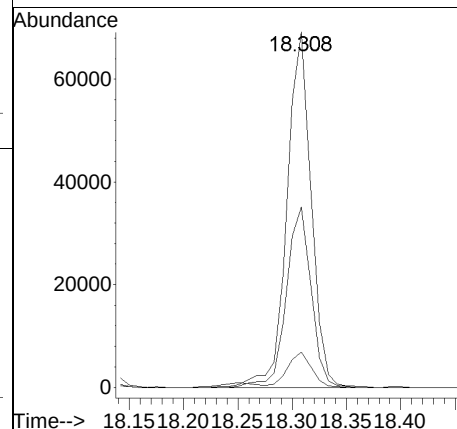
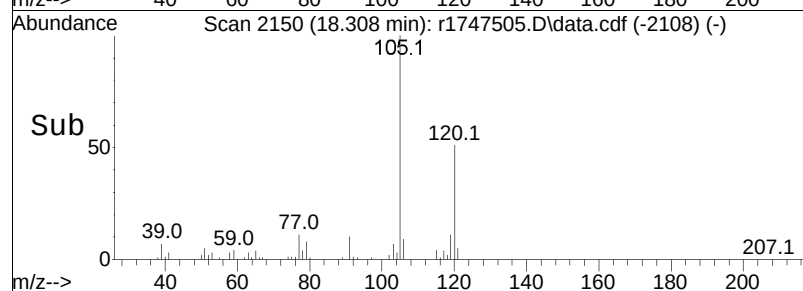
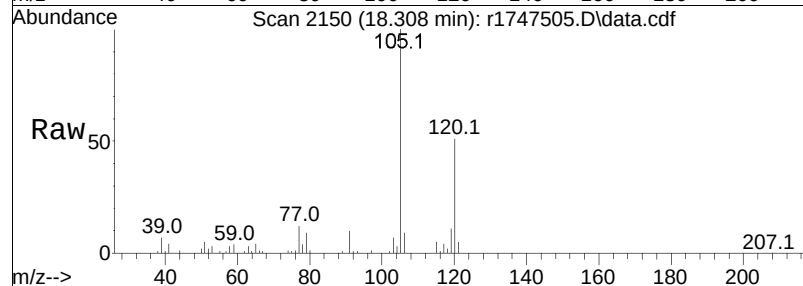
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	16778		
120	53.7		44.6	66.8
91	10.2		7.4	11.0

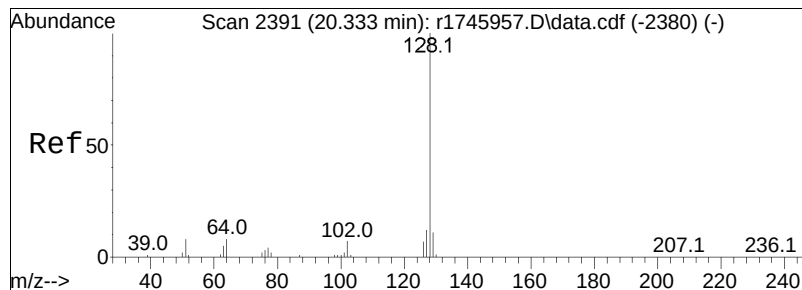




#99
 1,2,4-trimethylbenzene
 Concen: 1.68 ppbV
 RT: 18.308 min Scan# 2150
 Delta R.T. 0.033 min
 Lab File: r1747505.D
 Acq: 7 Mar 2025 7:40 AM

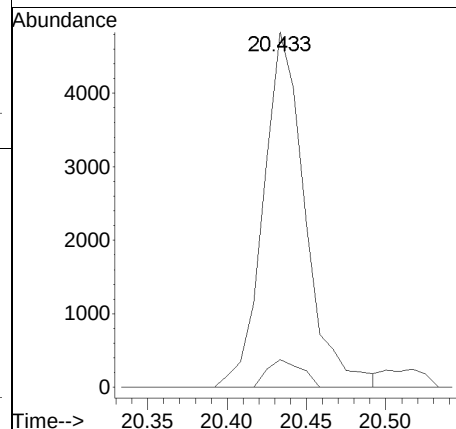
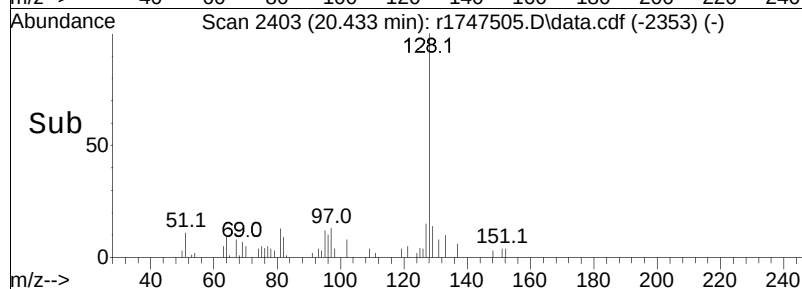
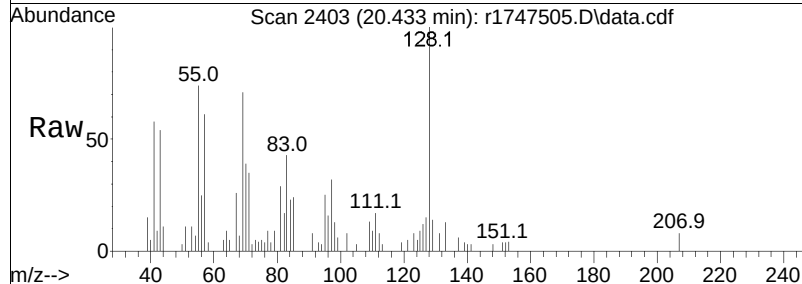
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	107600		
120	50.8		47.1	70.7
91	10.0		53.0	79.4#





#116
naphthalene
Concen: 0.11 ppbV
RT: 20.433 min Scan# 2403
Delta R.T. 0.100 min
Lab File: r1747505.D
Acq: 7 Mar 2025 7:40 AM

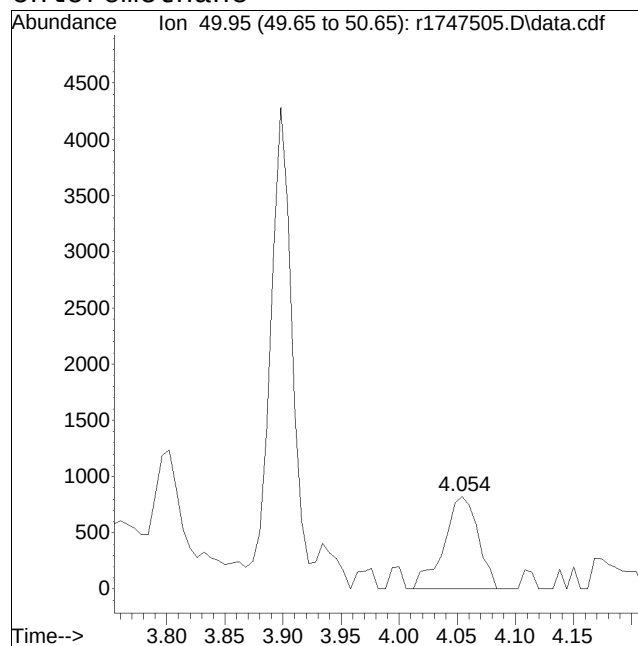
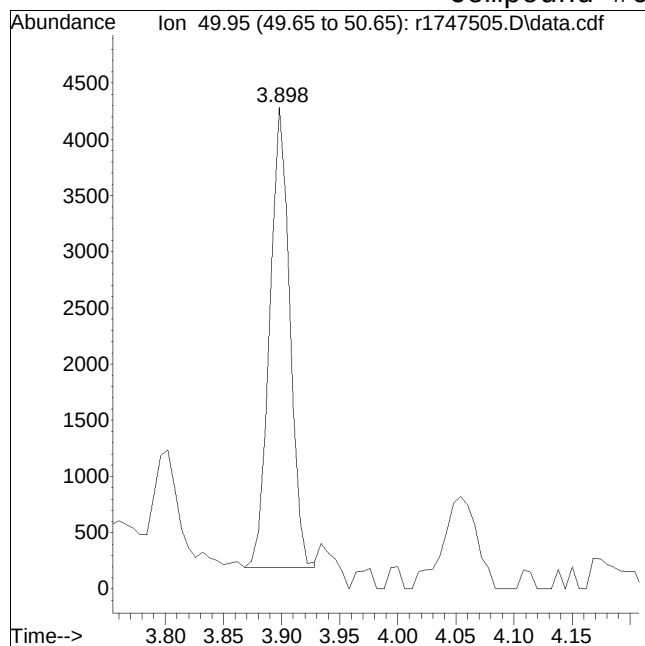
Tgt	Ion	Ratio	Lower	Upper
128	100			
102	7.8		5.9	8.9



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747505.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:40 AM Instrument :
Sample : L2509499-14,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #6: chloromethane



Original Peak Response = 4913

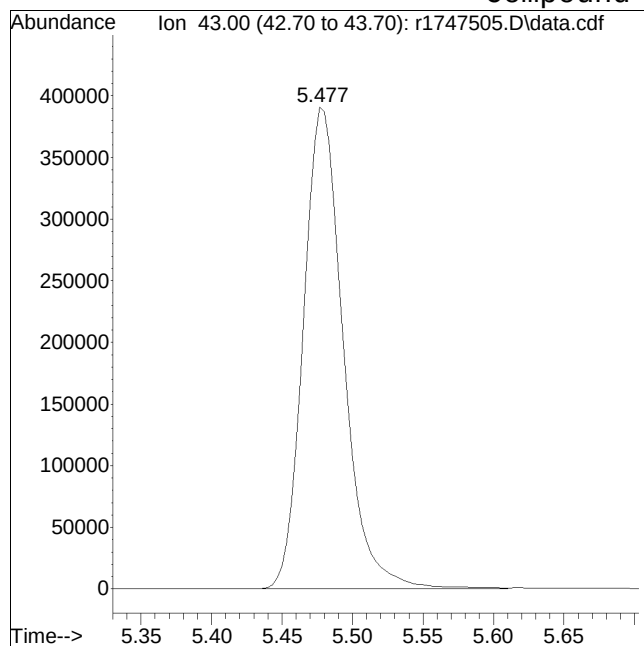
Manual Peak Response = 1686 M3

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

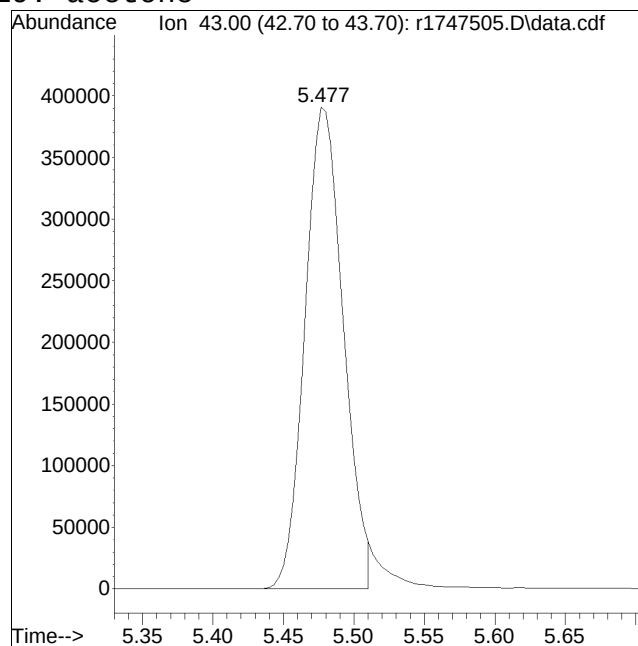
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747505.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:40 AM Instrument :
Sample : L2509499-14,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #19: acetone



Original Peak Response = 772723

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

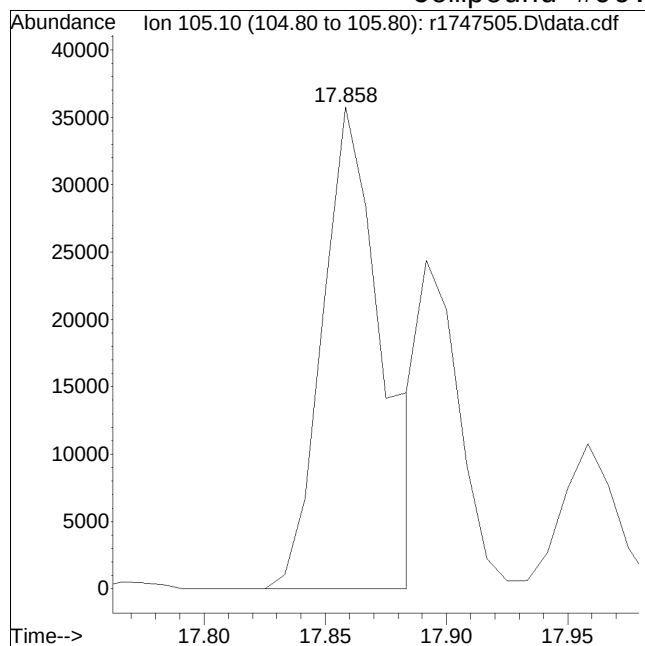


Manual Peak Response = 739162 M6

Manual Integration Report

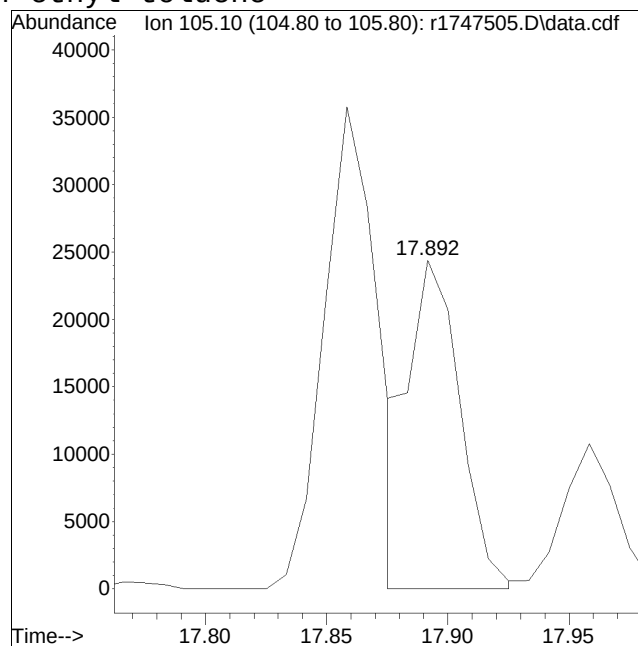
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747505.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 7:40 AM Instrument :
Sample : L2509499-14,3,250,250 Quant Date : 3/7/2025 7:53 am

Compound #96: 4-ethyl toluene



Original Peak Response = 61345

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



Manual Peak Response = 35862 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747506.D
 Acq On : 7 Mar 2025 8:57 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-07D,3,25,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 14:02:31 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Acetone - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	225597	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		86.96%	
43) 1,4-difluorobenzene	11.070	114	562493	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		79.62%	
67) chlorobenzene-D5	15.825	54	88752	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		83.43%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) acetone	5.470	43	4493987	259.405	ppbV	97

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

Sub List : Acetone - .ata\Airlab17\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747506.D

Acq On : 7 Mar 2025 8:57 AM

Operator : AIRLAB17:TPH

Sample : L2509499-07D,3,25,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

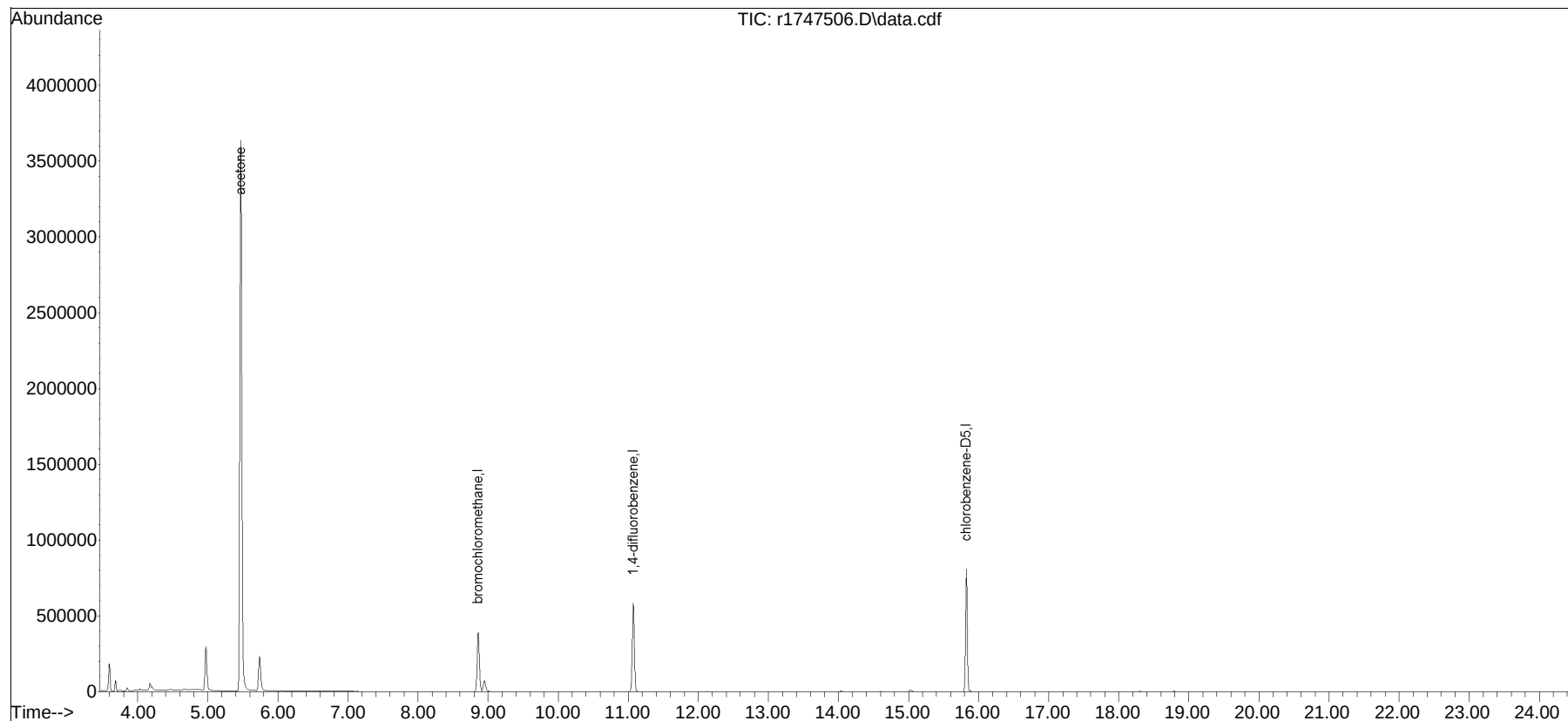
Quant Time: Mar 07 14:02:31 2025

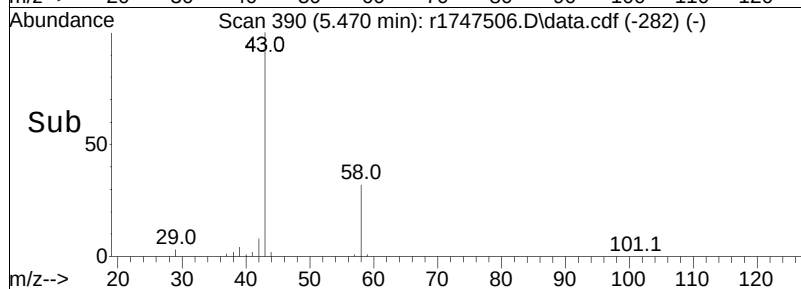
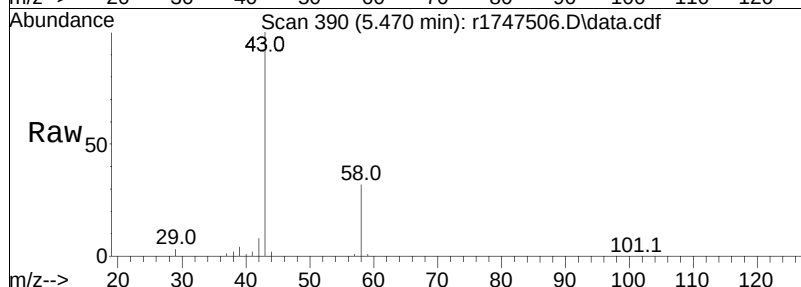
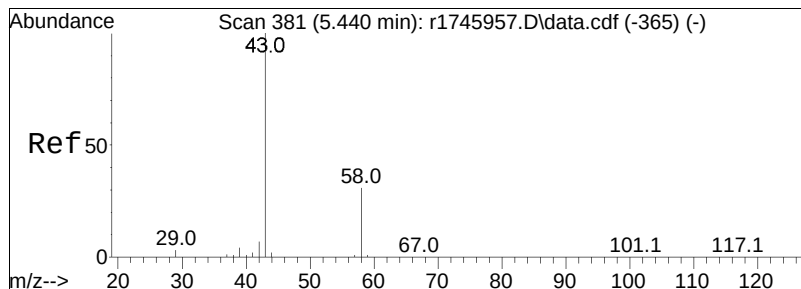
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

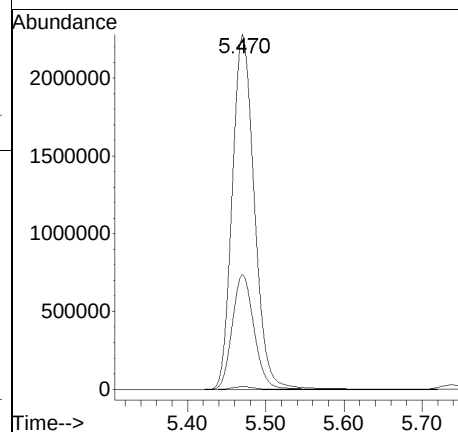
Response via : Initial Calibration





#19
acetone
Concen: 259.41 ppbV
RT: 5.470 min Scan# 390
Delta R.T. 0.030 min
Lab File: r1747506.D
Acq: 7 Mar 2025 8:57 AM

Tgt Ion: 43 Resp: 4493987
Ion Ratio Lower Upper
43 100
58 32.4 24.7 37.1
57 0.8 0.6 0.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TFS17_241220.M
Data File	: r1747506.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/7/2025 8:57 AM	Instrument	:
Sample	: L2509499-07D,3,25,250	Quant Date	: 3/7/2025 2:02 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747508.D
 Acq On : 7 Mar 2025 10:08 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-09D2,3,25,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 14:03:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Acetone - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	236221	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		91.05%	
43) 1,4-difluorobenzene	11.070	114	608320	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		86.11%	
67) chlorobenzene-D5	15.825	54	97959	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		92.09%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) acetone	5.470	43	4996281	275.428	ppbV	96

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

Sub List : Acetone - .ata\Airlab17\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747508.D

Acq On : 7 Mar 2025 10:08 AM

Operator : AIRLAB17:TPH

Sample : L2509499-09D2,3,25,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

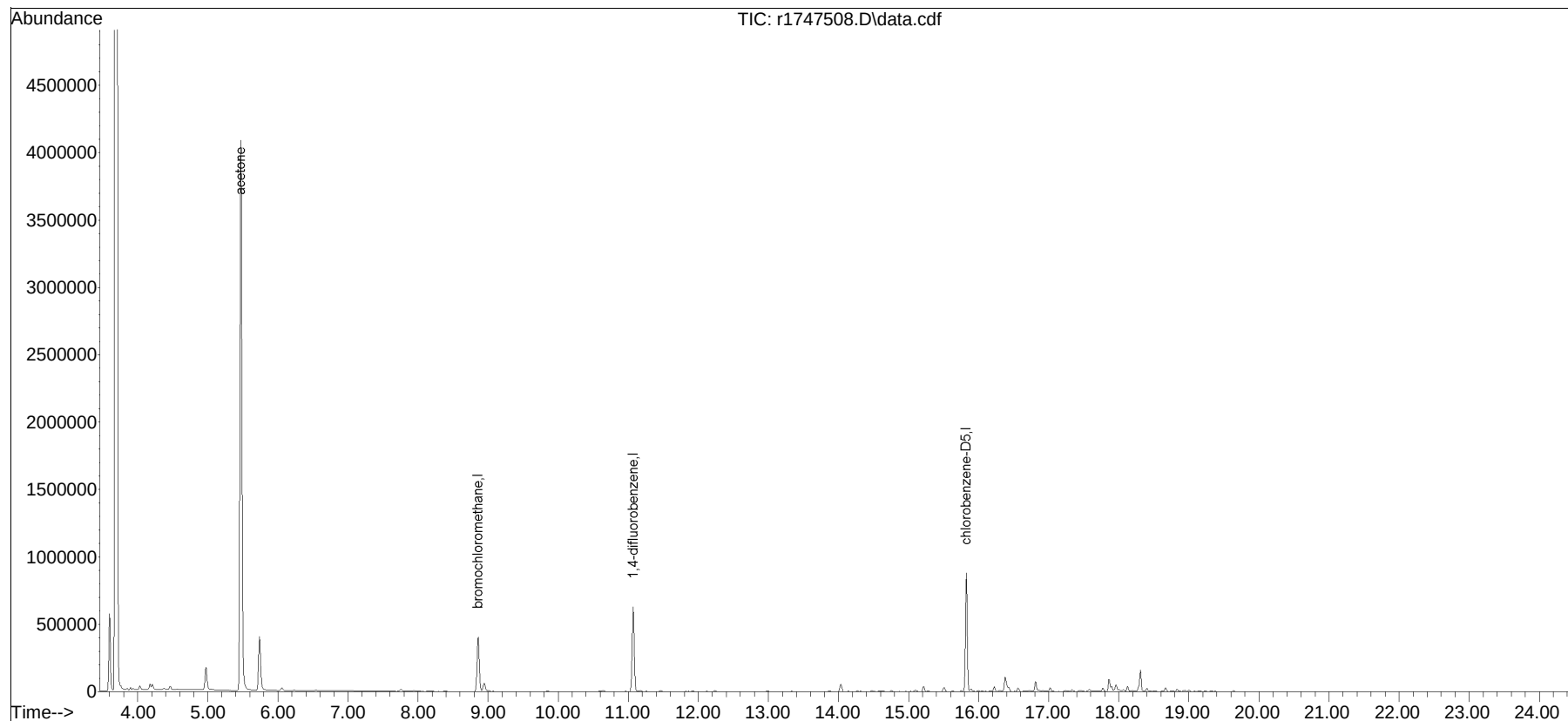
Quant Time: Mar 07 14:03:36 2025

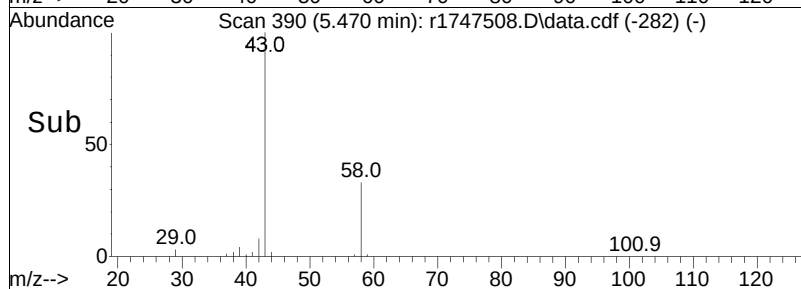
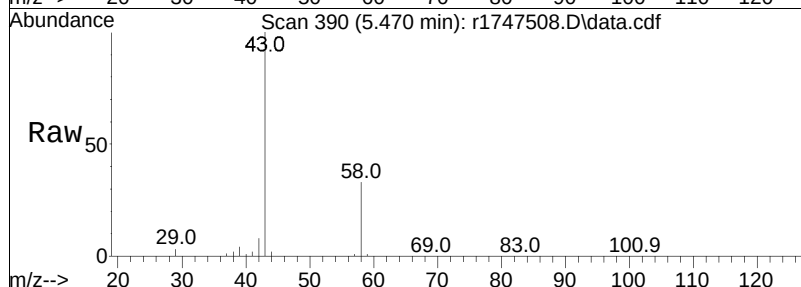
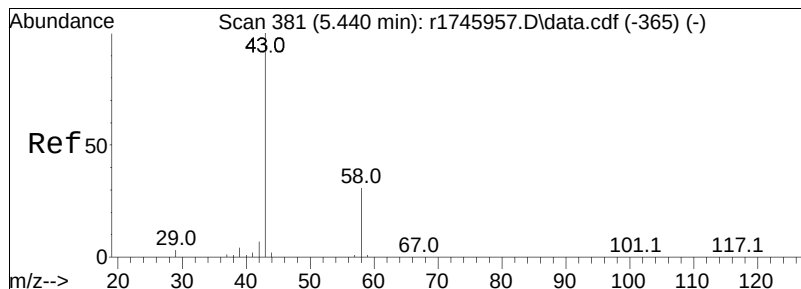
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

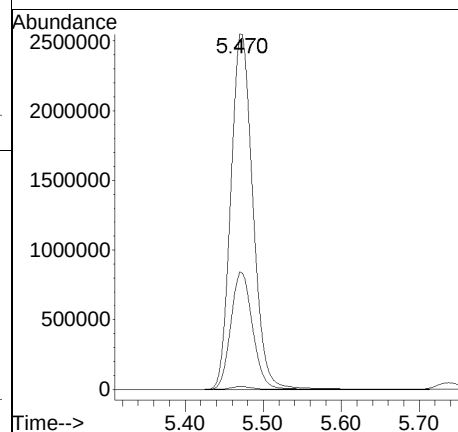
Response via : Initial Calibration





#19
 acetone
 Concen: 275.43 ppbV
 RT: 5.470 min Scan# 390
 Delta R.T. 0.030 min
 Lab File: r1747508.D
 Acq: 7 Mar 2025 10:08 AM

Tgt Ion:	43	Resp:	4996281
Ion Ratio	Lower	Upper	
43	100		
58	33.1	24.7	37.1
57	0.8	0.6	0.8



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TFS17_241220.M
Data File	: r1747508.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/7/2025 10:08 AM	Instrument	:
Sample	: L2509499-09D2,3,25,250	Quant Date	: 3/7/2025 2:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747509.D
 Acq On : 7 Mar 2025 10:43 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-12D,3,50,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 14:03:57 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Acetone - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	236556	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		91.18%	
43) 1,4-difluorobenzene	11.070	114	595366	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		84.28%	
67) chlorobenzene-D5	15.825	54	95388	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		89.67%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) acetone	5.473	43	2634132	145.005	ppbV	# 90

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

Sub List : Acetone - .ata\Airlab17\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747509.D

Acq On : 7 Mar 2025 10:43 AM

Operator : AIRLAB17:TPH

Sample : L2509499-12D,3,50,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

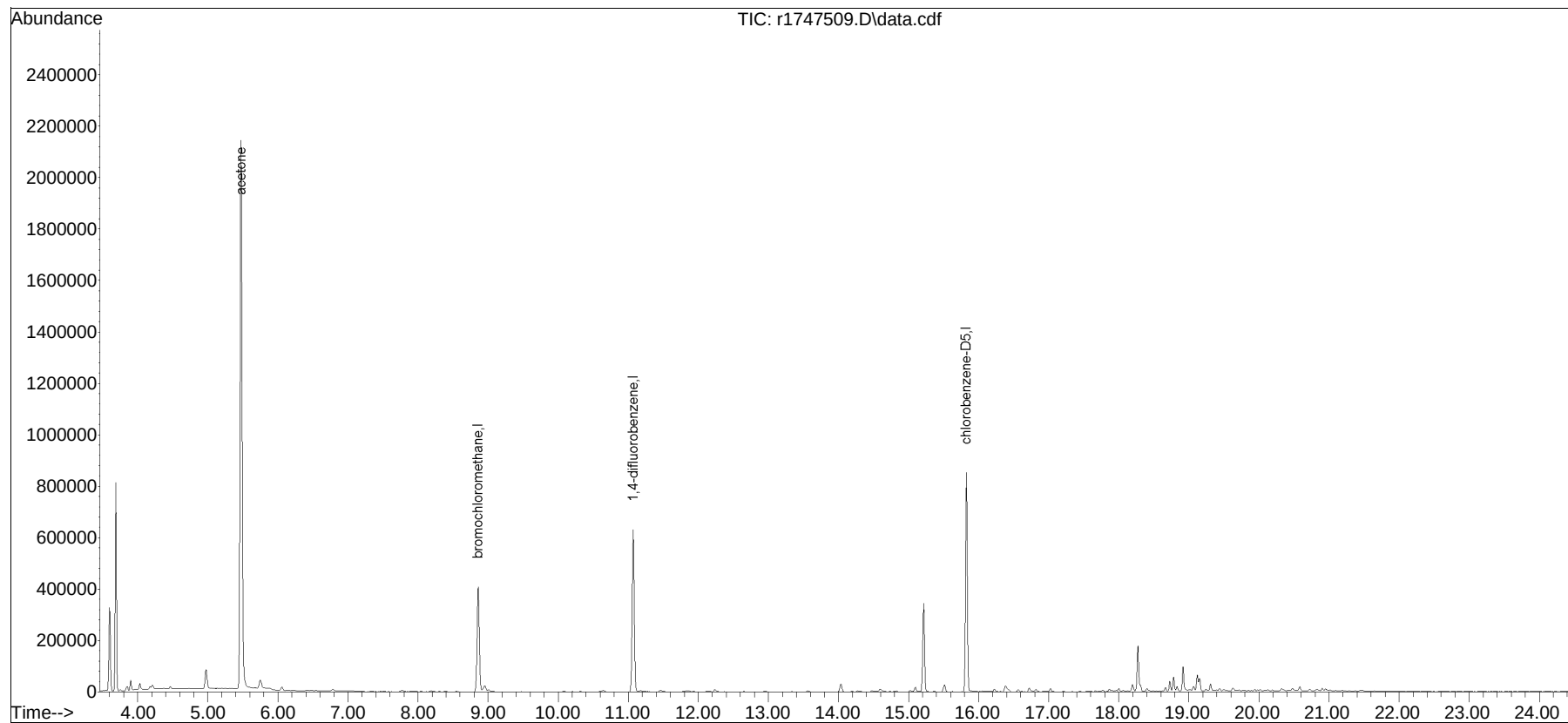
Quant Time: Mar 07 14:03:57 2025

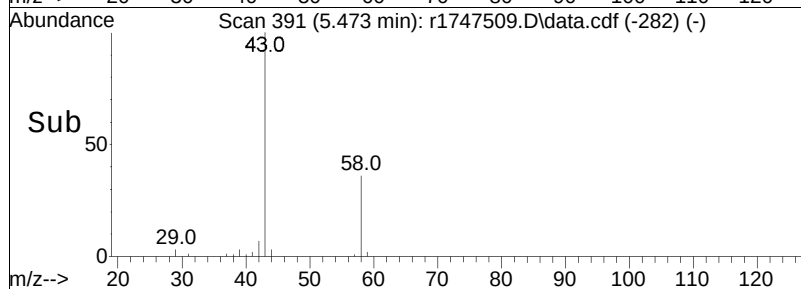
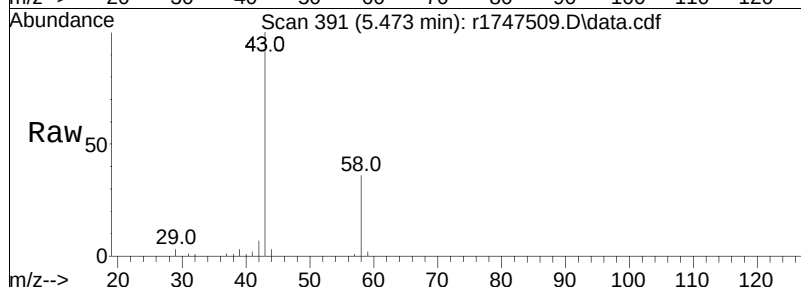
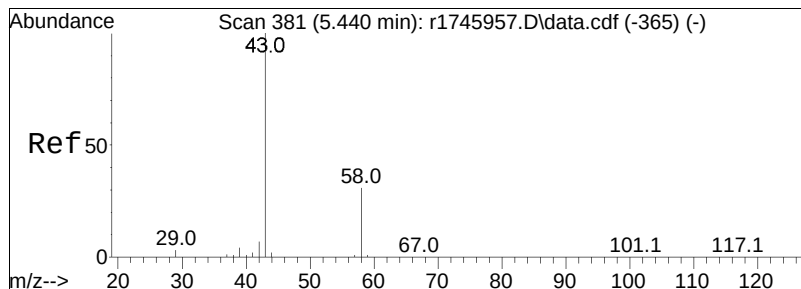
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

Response via : Initial Calibration

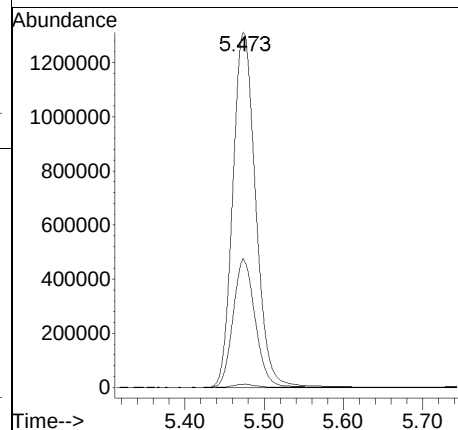




#19
 acetone
 Concen: 145.01 ppbV
 RT: 5.473 min Scan# 391
 Delta R.T. 0.033 min
 Lab File: r1747509.D
 Acq: 7 Mar 2025 10:43 AM

Tgt Ion: 43 Resp: 2634132

Ion	Ratio	Lower	Upper
43	100		
58	36.3	24.7	37.1
57	0.9	0.6	0.8#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747509.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 10:43 AM Instrument :
Sample : L2509499-12D,3,50,250 Quant Date : 3/7/2025 2:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747510.D
 Acq On : 7 Mar 2025 11:19 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-06D,3,2.74,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 14:06:59 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Acetone,_IPA,_EA - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	247880	10.000	ppbV	0.04
Standard Area = 259437			Recovery =		95.55%	
43) 1,4-difluorobenzene	11.070	114	631891	10.000	ppbV	0.04
Standard Area = 706449			Recovery =		89.45%	
67) chlorobenzene-D5	15.825	54	99712	10.000	ppbV	0.03
Standard Area = 106378			Recovery =		93.73%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) acetone	5.473	43	4319180	226.903	ppbV #	89
22) isopropyl alcohol	5.743	45	355057	14.756	ppbV	99
38) Ethyl Acetate	8.950	61	28377	6.453	ppbV #	1

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

Sub List : Acetone,_IPA,_EA - .b17\2025\03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747510.D

Acq On : 7 Mar 2025 11:19 AM

Operator : AIRLAB17:TPH

Sample : L2509499-06D,3,2.74,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

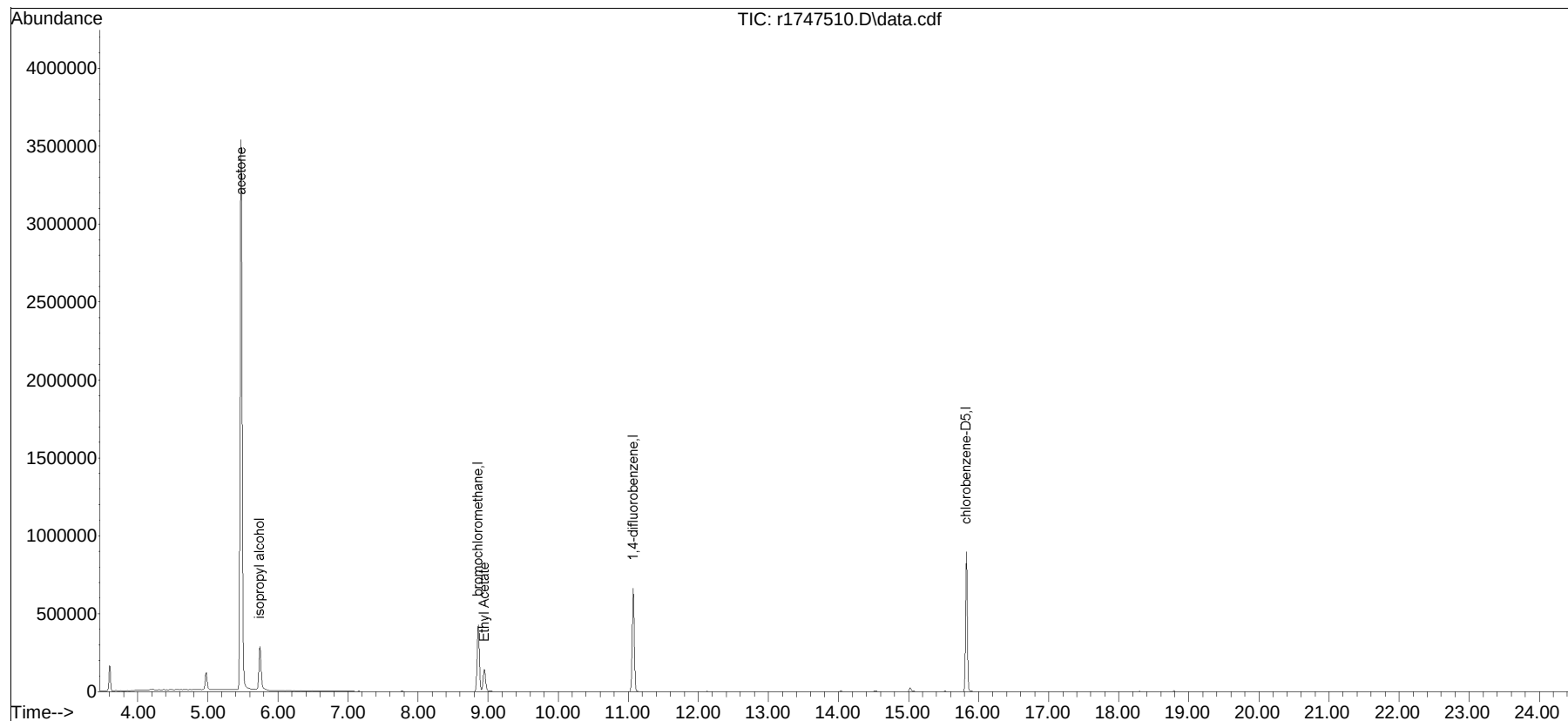
Quant Time: Mar 07 14:06:59 2025

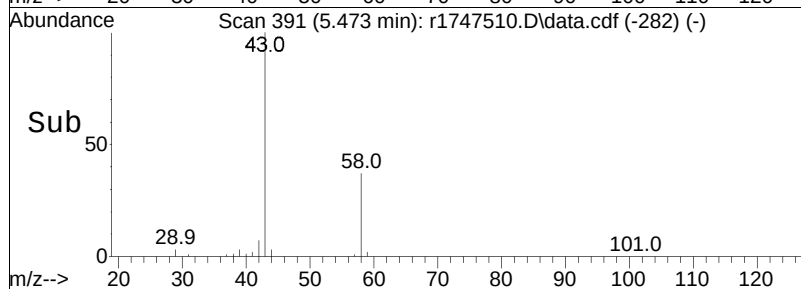
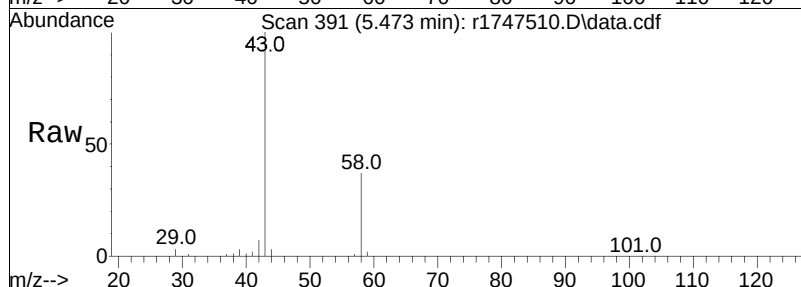
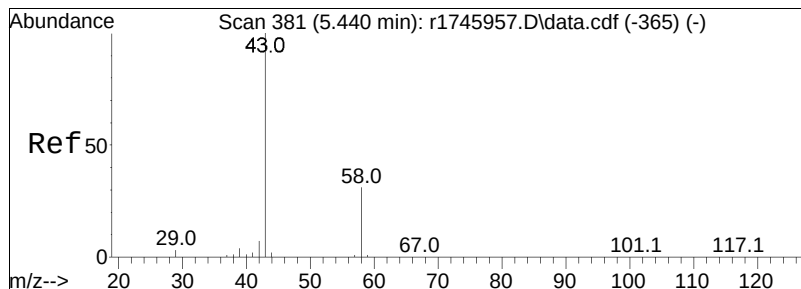
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

Response via : Initial Calibration

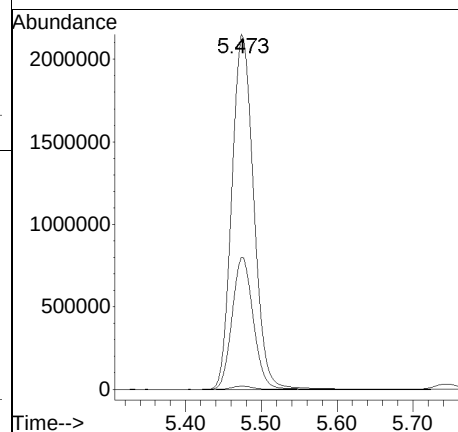


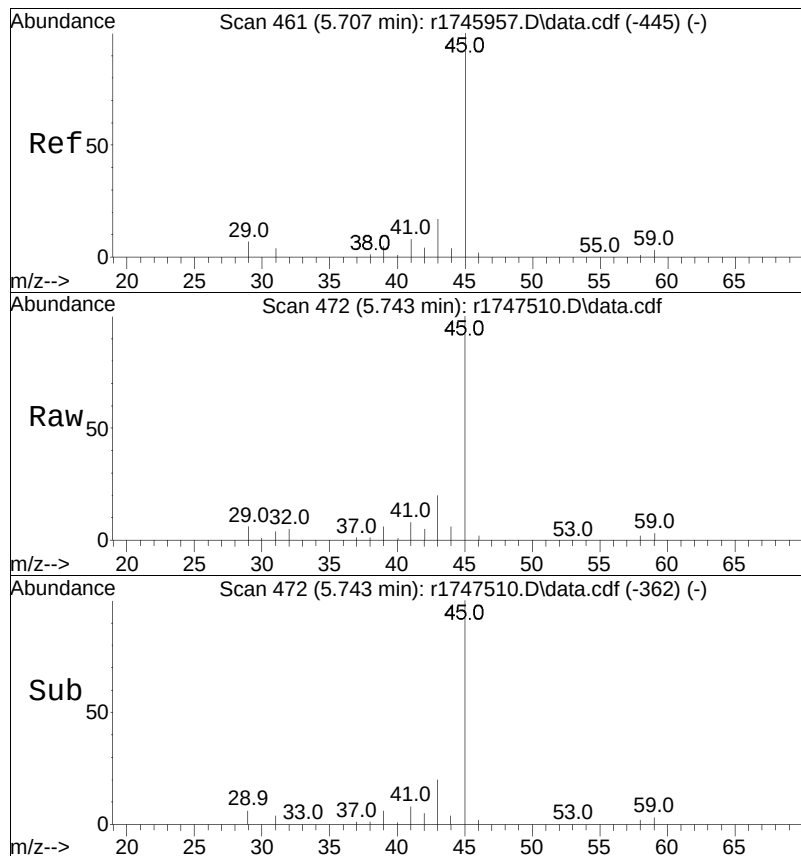


#19
 acetone
 Concen: 226.90 ppbV
 RT: 5.473 min Scan# 391
 Delta R.T. 0.033 min
 Lab File: r1747510.D
 Acq: 7 Mar 2025 11:19 AM

Tgt Ion: 43 Resp: 4319180

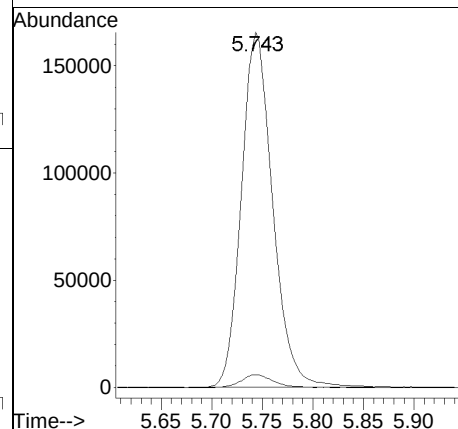
Ion	Ratio	Lower	Upper
43	100		
58	37.1	24.7	37.1#
57	0.9	0.6	0.8#

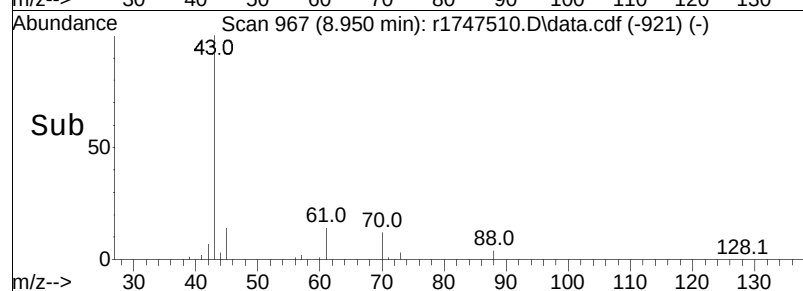
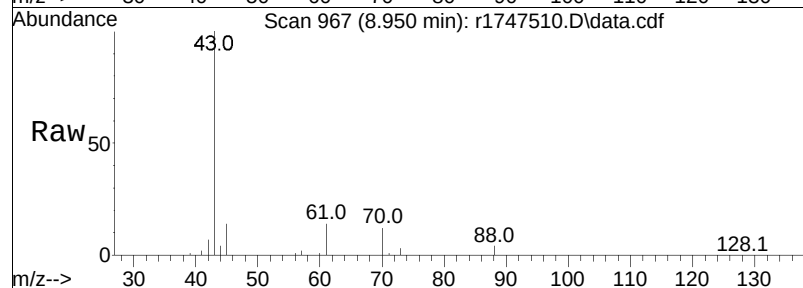
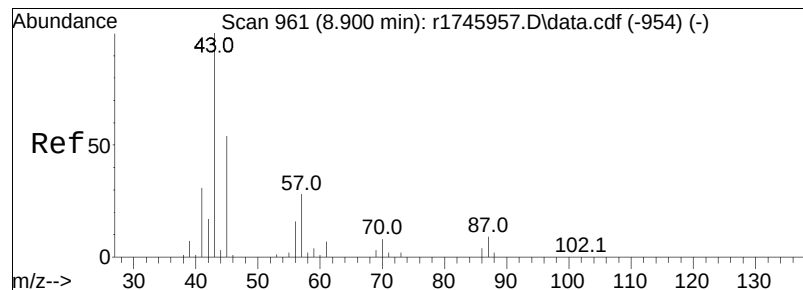




#22
 isopropyl alcohol
 Concen: 14.76 ppbV
 RT: 5.743 min Scan# 472
 Delta R.T. 0.037 min
 Lab File: r1747510.D
 Acq: 7 Mar 2025 11:19 AM

Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.5	2.6	4.0





#38

Ethyl Acetate

Concen: 6.45 ppbV

RT: 8.950 min Scan# 967

Delta R.T. 0.050 min

Lab File: r1747510.D

Acq: 7 Mar 2025 11:19 AM

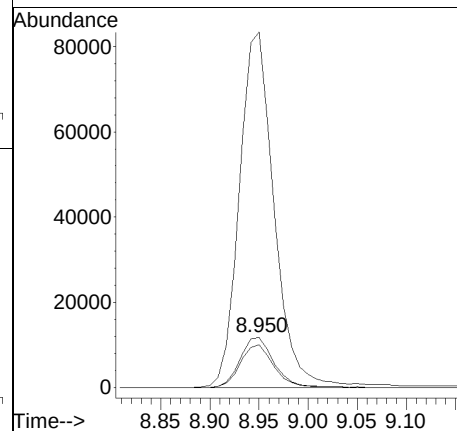
Tgt Ion: 61 Resp: 28377

Ion Ratio Lower Upper

61 100

70 85.6 85.8 128.8#

43 713.5 1077.6 1616.4#



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747510.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 11:19 AM Instrument :
Sample : L2509499-06D,3,2.74,250 Quant Date : 3/7/2025 2:06 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec **Lab Number** : L2509499
Project Name : BELLE HARBOR **Project Number** : 195601412
Instrument ID : AIRLAB17 **Ical Ref** : ICAL21812
Calibration dates : 12/21/24 03:40 12/21/24 08:14

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
 50 =r1745959.D 100 =r1745960.D

Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1) I bromochloromethane	-----ISTD-----									
2) chlorodifluoromethane	0.883	0.920	0.937	0.681	0.724	0.860	0.804	0.712	0.815	12.22
3) propylene		0.546	0.550	0.410	0.401	0.474	0.391	0.375	0.450	16.49
4) propane		0.631	0.600	0.477	0.487	0.607	0.571	0.560	0.562	10.56
5) dichlorodifluoromethane	1.100	1.144	1.167	0.907	0.908	1.042	0.901	0.826	0.999	12.96
6) C chloromethane	0.620	0.634	0.645	0.486	0.490	0.540	0.475	0.437	0.541	15.10
7) Freon-114	1.306	1.411	1.426	1.089	1.081	1.192	1.013	0.888	1.176	16.43
8) C methanol		0.734	0.279	0.280	0.248	0.228	0.219	0.331		60.02#
9) C vinyl chloride	0.532	0.569	0.571	0.440	0.440	0.521	0.471	0.461	0.501	10.90
10) C 1,3-butadiene	0.511	0.500	0.517	0.381	0.383	0.473	0.408	0.379	0.444	13.99
11) butane	0.884	0.910	0.937	0.716	0.709	0.800	0.667	0.616	0.780	15.45
12) C acetaldehyde		0.392	0.397	0.260	0.263	0.318	0.264	0.232	0.304	21.97
13) C bromomethane	0.486	0.488	0.491	0.376	0.375	0.448	0.388	0.373	0.428	12.91
14) C chloroethane	0.259	0.274	0.271	0.205	0.201	0.246	0.216	0.215	0.236	12.73
15) ethanol		0.505	0.379	0.354	0.387	0.328	0.303	0.376		18.74
16) dichlorofluoromethane	0.978	1.045	1.052	0.786	0.771	0.936	0.830	0.737	0.892	14.21
17) C vinyl bromide	0.477	0.496	0.501	0.372	0.374	0.467	0.455	0.367	0.439	13.23
18) C acrolein		0.254	0.276	0.190	0.204	0.255	0.243	0.224	0.235	12.97
19) acetone	0.946	0.945	0.947	0.686	0.677	0.797	0.622	0.524	0.768	21.55
20) C acetonitrile	0.495	0.483	0.500	0.380	0.378	0.456	0.467	0.368	0.441	12.77
21) trichlorofluoromethane	0.966	1.031	1.037	0.800	0.802	0.969	0.774	0.710	0.886	14.46
22) isopropyl alcohol	1.046	1.050	1.051	0.956	0.972	1.054	0.878	0.759	0.971	10.94
23) C acrylonitrile	0.433	0.464	0.465	0.363	0.371	0.474	0.483	0.473	0.441	10.86
24) pentane	1.319	1.347	1.375	1.019	1.023	1.233	0.996	0.874	1.148	16.73
25) ethyl ether	0.817	0.869	0.903	0.699	0.707	0.908	1.029	0.907	0.855	12.97
26) C 1,1-dichloroethene	0.768	0.811	0.818	0.640	0.634	0.773	0.656	0.627	0.716	11.72
27) tertiary butyl alcohol		0.819	0.839	0.682	0.682	0.900	0.817	0.817	0.794	10.31
28) C methylene chloride		0.816	0.799	0.603	0.604	0.755	0.706	0.649	0.704	12.63
29) C 3-chloropropene	0.831	0.881	0.898	0.688	0.687	0.868	0.714	0.640	0.776	13.38
30) C carbon disulfide	1.697	1.771	1.838	1.400	1.437	1.845	1.602	1.396	1.623	11.86
31) Freon 113	1.135	1.188	1.211	0.924	0.924	1.126	0.921	0.845	1.034	13.98
32) trans-1,2-dichloroethene	0.764	0.842	0.829	0.629	0.633	0.798	0.678	0.643	0.727	12.49
33) C 1,1-dichloroethane	0.948	1.034	1.084	0.820	0.824	1.009	0.839	0.788	0.918	12.49
34) C MTBE	1.278	1.368	1.408	1.062	1.082	1.390	1.210	1.116	1.239	11.47
35) C vinyl acetate		1.337	1.034	1.098	1.399	1.185	1.063	1.186		12.74
36) C 2-butanone	1.482	1.562	1.155	1.165	1.462	1.212	1.070	1.301		14.96



Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec **Lab Number** : L2509499
Project Name : BELLE HARBOR **Project Number** : 195601412
Instrument ID : AIRLAB17 **Ical Ref** : ICAL21812
Calibration dates : 12/21/24 03:40 12/21/24 08:14

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
 50 =r1745959.D 100 =r1745960.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)	cis-1,2-dichloroethene	0.699	0.774	0.795	0.614	0.614	0.750	0.638	0.610	0.687	11.28
38)	Ethyl Acetate	0.176	0.186	0.200	0.154	0.160	0.200	0.175	0.168	0.177	9.68
39) C	chloroform	0.982	1.042	1.089	0.830	0.836	1.028	0.933	0.867	0.951	10.46
40)	Tetrahydrofuran	0.845	0.840	0.871	0.670	0.686	0.868	0.718	0.641	0.767	12.70
41)	2,2-dichloropropane	0.649	0.695	0.734	0.572	0.591	0.763	0.688	0.630	0.665	10.07
42) C	1,2-dichloroethane	0.656	0.654	0.655	0.502	0.502	0.600	0.486	0.457	0.564	15.22
43) I	1,4-difluorobenzene	-----ISTD-----									
44) C	hexane	0.336	0.351	0.358	0.267	0.270	0.346	0.335	0.324	0.323	10.97
45)	diisopropyl ether	0.168	0.191	0.188	0.144	0.145	0.183	0.178	0.175	0.172	10.62
46)	tert-butyl ethyl ether	0.543	0.575	0.598	0.462	0.469	0.590	0.550	0.546	0.542	9.46
47) s	1,2-dichloroethane-D4	0.230	0.230	0.233	0.234	0.226	0.231	0.195	0.188	0.221	8.27
48) C	1,1,1-trichloroethane	0.304	0.323	0.327	0.260	0.263	0.333	0.287	0.287	0.298	9.50
49)	1,1-dichloropropene	0.308	0.333	0.337	0.259	0.263	0.338	0.317	0.290	0.306	10.46
50) C	benzene	0.702	0.759	0.777	0.598	0.604	0.761	0.740	0.679	0.703	10.05
51)	thiophene	0.475	0.508	0.520	0.544	0.555	0.522	0.509	0.487	0.515	5.20
52) C	carbon tetrachloride	0.242	0.263	0.279	0.228	0.237	0.312	0.290	0.272	0.266	10.82
53)	cyclohexane	0.342	0.366	0.380	0.283	0.285	0.368	0.365	0.365	0.344	11.20
54)	tert-amyl methyl ether	0.529	0.579	0.595	0.462	0.471	0.610	0.568	0.526	0.543	10.21
55)	dibromomethane	0.225	0.237	0.245	0.183	0.187	0.230	0.202	0.191	0.212	11.57
56) C	1,2-dichloropropane	0.256	0.262	0.273	0.212	0.213	0.262	0.230	0.220	0.241	10.36
57)	bromodichloromethane	0.325	0.343	0.363	0.283	0.299	0.390	0.380	0.363	0.343	11.14
58) C	1,4-dioxane	0.140	0.144	0.146	0.117	0.123	0.165	0.157	0.154	0.143	11.58
59) C	trichloroethene	0.342	0.361	0.370	0.274	0.275	0.335	0.298	0.285	0.317	12.37
60) C	2,2,4-trimethylpentane	1.065	1.154	1.174	0.864	0.869	1.104	1.054	1.024	1.038	11.29
61)	methyl methacrylate	0.287	0.295	0.235	0.242	0.311	0.267	0.243	0.268	0.268	11.05
62)	heptane	0.516	0.551	0.560	0.423	0.426	0.540	0.463	0.407	0.486	13.00
63) C	cis-1,3-dichloropropene	0.293	0.315	0.329	0.275	0.289	0.385	0.368	0.342	0.325	12.00
64) C	4-methyl-2-pentanone	0.618	0.648	0.505	0.515	0.668	0.571	0.505	0.576	0.576	12.07
65)	trans-1,3-dichloropropene	0.193	0.216	0.236	0.202	0.215	0.290	0.281	0.267	0.237	15.74
66) C	1,1,2-trichloroethane	0.287	0.307	0.319	0.242	0.244	0.301	0.263	0.247	0.276	11.18
67) I	chlorobenzene-D5	-----ISTD-----									
68) C	toluene	5.919	6.410	6.480	5.079	5.085	6.171	5.487	4.895	5.691	11.19
69) s	toluene-D8	5.982	6.035	6.081	6.135	5.996	6.226	5.578	5.142	5.897	6.10
70)	2-methylthiophene	5.242	5.724	5.869	6.257	6.274	5.661	4.858	4.303	5.523	12.41
71)	1,3-dichloropropane	2.717	2.984	3.051	2.315	2.355	3.046	2.840	2.424	2.716	11.52
72)	2-hexanone	3.668	4.235	4.390	3.500	3.550	4.588	3.872	3.215	3.877	12.44



Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec
Project Name : BELLE HARBOR
Instrument ID : AIRLAB17
Calibration dates : 12/21/24 03:40 12/21/24 08:14
Lab Number : L2509499
Project Number : 195601412
Ical Ref : ICAL21812

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
 50 =r1745959.D 100 =r1745960.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)	3-methylthiophene	5.565	6.033	6.214	6.638	6.644	5.967	5.140	4.481	5.835	12.77
74)	dibromochloromethane	2.185	2.416	2.618	2.153	2.269	2.993	2.699	2.437	2.471	11.58
75) C	1,2-dibromoethane	2.823	3.023	3.212	2.467	2.523	3.240	2.864	2.456	2.826	11.34
76)	butyl acetate		0.621	0.659	0.552	0.592	0.780	0.714	0.626	0.649	11.88
77)	octane	1.993	2.195	2.280	1.755	1.763	2.234	2.130	1.918	2.034	10.22
78) C	tetrachloroethene	2.456	2.603	2.739	2.015	2.044	2.553	2.250	1.983	2.330	12.73
79)	1,1,1,2-tetrachloroethane	1.859	2.041	2.145	1.764	1.802	2.336	2.051	1.832	1.979	10.06
80) C	chlorobenzene	4.977	5.356	5.455	4.170	4.214	5.363	4.871	4.075	4.810	12.06
81) C	ethylbenzene	7.397	8.199	8.488	6.545	6.603	8.051	6.995	6.159	7.305	11.85
82)	2-ethylthiophene	5.936	6.430	6.813	7.265	7.381	6.729	5.675	4.910	6.393	13.16
83) C	m+p-xylene	5.912	6.510	6.778	5.196	5.247	6.329	5.479	4.737	5.774	12.51
84) C	bromoform	1.470	1.676	1.875	1.603	1.785	2.437	2.269	2.045	1.895	17.65
85) C	styrene	4.399	4.827	5.151	4.186	4.319	5.596	4.876	4.177	4.691	10.89
86) C	1,1,2,2-tetrachloroethane	3.899	4.393	4.655	3.695	3.807	4.805	4.445	3.648	4.168	10.98
87) C	o-xylene	5.949	6.597	6.893	5.294	5.242	6.281	5.433	4.629	5.790	13.31
88)	1,2,3-trichloropropane	3.109	3.422	3.626	2.735	2.851	3.708	3.463	2.972	3.236	11.36
89)	nonane	5.400	5.945	6.192	4.831	4.907	6.062	5.008	4.008	5.294	14.15
90) s	bromofluorobenzene	4.169	4.169	4.264	4.327	4.220	4.261	3.916	3.667	4.124	5.39
91) C	isopropylbenzene	7.671	8.303	8.639	6.572	6.730	8.631	7.502	6.181	7.529	12.74
92)	bromobenzene	4.166	4.623	4.733	3.574	3.656	4.737	4.388	3.738	4.202	11.69
93)	2-chlorotoluene	2.283	2.552	2.672	2.063	2.094	2.584	2.324	2.088	2.333	10.49
94)	n-propylbenzene	2.362	2.756	2.852	2.180	2.212	2.809	2.595	2.302	2.509	11.05
95)	4-chlorotoluene	2.248	2.549	2.690	2.014	2.055	2.547	2.264	2.038	2.301	11.49
96)	4-ethyl toluene	7.464	8.476	9.007	6.796	7.030	9.067	7.982	6.597	7.802	12.55
97)	1,3,5-trimethylbenzene	6.558	7.244	7.580	5.852	6.039	7.625	6.564	5.478	6.617	12.20
98)	tert-butylbenzene	7.281	8.049	8.407	6.221	6.168	7.646	6.744	5.273	6.974	15.25
99)	1,2,4-trimethylbenzene	6.377	7.119	7.620	5.995	6.183	7.587	6.398	5.095	6.547	13.11
100)	decane	5.171	5.913	6.200	4.653	4.638	5.679	5.242	4.600	5.262	11.77
101) C	Benzyl Chloride	1.723	2.111	2.669	2.447	2.964	4.322	4.326	3.978	3.067	33.20#
102)	1,3-dichlorobenzene	4.268	4.777	5.041	3.881	4.013	4.960	4.337	3.775	4.381	11.23
103) C	1,4-dichlorobenzene	4.017	4.565	5.032	3.797	4.012	4.950	4.373	3.697	4.305	11.82
104)	sec-butylbenzene	0.951	1.062	1.107	0.853	0.875	1.093	0.927	0.757	0.953	13.19
105)	1,2,3-trimethylbenzene	6.405	7.157	7.699	5.440	5.611	6.765	5.693	4.604	6.172	16.49
106)	p-isopropyltoluene	0.871	0.990	1.039	0.738	0.756	0.910	0.789	0.615	0.839	16.75
107)	1,2-dichlorobenzene	4.261	4.599	4.890	3.662	3.826	4.697	4.068	3.462	4.183	12.37
108)	n-butylbenzene	6.810	8.025	8.502	6.511	6.391	7.654	6.943	6.040	7.110	12.13



Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec
Project Name : BELLE HARBOR
Instrument ID : AIRLAB17
Calibration dates : 12/21/24 03:40 12/21/24 08:14
Lab Number : L2509499
Project Number : 195601412
Ical Ref : ICAL21812

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
 50 =r1745959.D 100 =r1745960.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)	indan	6.598	7.313	7.597	5.879	5.819	7.340	6.610	5.499	6.582	12.03
110)	indene	3.800	4.395	4.790	3.867	3.888	5.019	4.659	4.053	4.309	10.96
111) C	1,2-dibromo-3-chloropr...	0.975	1.232	1.470	1.274	1.428	1.901	1.771	1.533	1.448	20.52
112)	undecane	5.298	6.213	6.725	5.077	5.070	6.202	5.587	4.816	5.623	12.13
113)	1,2,4,5-tetramethylben...	3.000	3.544	3.780	2.796	2.851	3.700	3.543	3.177	3.299	11.85
114)	dodecane	4.571	5.683	6.390	5.067	5.245	6.041	5.568	4.786	5.419	11.45
115) C	1,2,4-trichlorobenzene	2.060	2.540	3.001	2.422	2.742	3.313	3.258	2.936	2.784	15.43
116)	naphthalene	5.990	7.401	8.951	7.314	7.850	9.075	8.675	7.799	7.882	12.99
117)	1,2,3-trichlorobenzene	1.952	2.460	2.770	2.236	2.496	2.872	2.859	2.628	2.534	12.65
118)	benzothiophene	2.312	2.960	4.005	3.343	3.872	4.517	4.483	4.227	3.715	21.05
119) C	hexachlorobutadiene	2.576	2.962	3.108	2.323	2.363	2.758	2.620	2.214	2.615	12.04
120)	2-methylnaphthalene			0.458	0.391	0.604	0.642	0.746	0.734	0.596	24.31
121)	1-methylnaphthalene			0.929	0.764	1.076	1.048	1.178	1.131	1.021	14.87



Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Method File : TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024
Response Via : Initial Calibration

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
50 =r1745959.D 100 =r1745960.D

Compound		0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD

1) I	bromochloromethane	-----ISTD-----									
2)	chlorodifluoro...	0.883	0.920	0.937	0.681	0.724	0.860	0.804	0.712	0.815	12.22
3)	propylene	0.546	0.550	0.410	0.401	0.474	0.391	0.375	0.450	0.450	16.49
4)	propane	0.631	0.600	0.477	0.487	0.607	0.571	0.560	0.562	0.562	10.56
5)	dichlorodifluo...	1.100	1.144	1.167	0.907	0.908	1.042	0.901	0.826	0.999	12.96
6) C	chloromethane	0.620	0.634	0.645	0.486	0.490	0.540	0.475	0.437	0.541	15.10
7)	Freon-114	1.306	1.411	1.426	1.089	1.081	1.192	1.013	0.888	1.176	16.43
8) C	methanol			0.734	0.279	0.280	0.248	0.228	0.219	0.331	60.02#
9) C	vinyl chloride	0.532	0.569	0.571	0.440	0.440	0.521	0.471	0.461	0.501	10.90
10) C	1,3-butadiene	0.511	0.500	0.517	0.381	0.383	0.473	0.408	0.379	0.444	13.99
11)	butane	0.884	0.910	0.937	0.716	0.709	0.800	0.667	0.616	0.780	15.45
12) C	acetaldehyde		0.392	0.397	0.260	0.263	0.318	0.264	0.232	0.304	21.97
13) C	bromomethane	0.486	0.488	0.491	0.376	0.375	0.448	0.388	0.373	0.428	12.91
14) C	chloroethane	0.259	0.274	0.271	0.205	0.201	0.246	0.216	0.215	0.236	12.73
15)	ethanol			0.505	0.379	0.354	0.387	0.328	0.303	0.376	18.74
16)	dichlorofluoro...	0.978	1.045	1.052	0.786	0.771	0.936	0.830	0.737	0.892	14.21
17) C	vinyl bromide	0.477	0.496	0.501	0.372	0.374	0.467	0.455	0.367	0.439	13.23
18) C	acrolein		0.254	0.276	0.190	0.204	0.255	0.243	0.224	0.235	12.97
19)	acetone	0.946	0.945	0.947	0.686	0.677	0.797	0.622	0.524	0.768	21.55
20) C	acetonitrile	0.495	0.483	0.500	0.380	0.378	0.456	0.467	0.368	0.441	12.77
21)	trichlorofluor...	0.966	1.031	1.037	0.800	0.802	0.969	0.774	0.710	0.886	14.46
22)	isopropyl alcohol	1.046	1.050	1.051	0.956	0.972	1.054	0.878	0.759	0.971	10.94
23) C	acrylonitrile	0.433	0.464	0.465	0.363	0.371	0.474	0.483	0.473	0.441	10.86
24)	pentane	1.319	1.347	1.375	1.019	1.023	1.233	0.996	0.874	1.148	16.73
25)	ethyl ether	0.817	0.869	0.903	0.699	0.707	0.908	1.029	0.907	0.855	12.97
26) C	1,1-dichloroet...	0.768	0.811	0.818	0.640	0.634	0.773	0.656	0.627	0.716	11.72
27)	tertiary butyl...		0.819	0.839	0.682	0.682	0.900	0.817	0.817	0.794	10.31
28) C	methylene chlo...		0.816	0.799	0.603	0.604	0.755	0.706	0.649	0.704	12.63
29) C	3-chloropropene	0.831	0.881	0.898	0.688	0.687	0.868	0.714	0.640	0.776	13.38
30) C	carbon disulfide	1.697	1.771	1.838	1.400	1.437	1.845	1.602	1.396	1.623	11.86
31)	Freon 113	1.135	1.188	1.211	0.924	0.924	1.126	0.921	0.845	1.034	13.98

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Method File : TFS17_241220.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024
Response Via : Initial Calibration

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
50 =r1745959.D 100 =r1745960.D

Compound		0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)	trans-1,2-dich...	0.764	0.842	0.829	0.629	0.633	0.798	0.678	0.643	0.727	12.49
33) C	1,1-dichloroet...	0.948	1.034	1.084	0.820	0.824	1.009	0.839	0.788	0.918	12.49
34) C	MTBE	1.278	1.368	1.408	1.062	1.082	1.390	1.210	1.116	1.239	11.47
35) C	vinyl acetate		1.337	1.034	1.098	1.399	1.185	1.063	1.186		12.74
36) C	2-butanone	1.482	1.562	1.155	1.165	1.462	1.212	1.070	1.301		14.96
37)	cis-1,2-dichlo...	0.699	0.774	0.795	0.614	0.614	0.750	0.638	0.610	0.687	11.28
38)	Ethyl Acetate	0.176	0.186	0.200	0.154	0.160	0.200	0.175	0.168	0.177	9.68
39) C	chloroform	0.982	1.042	1.089	0.830	0.836	1.028	0.933	0.867	0.951	10.46
40)	Tetrahydrofuran	0.845	0.840	0.871	0.670	0.686	0.868	0.718	0.641	0.767	12.70
41)	2,2-dichloropr...	0.649	0.695	0.734	0.572	0.591	0.763	0.688	0.630	0.665	10.07
42) C	1,2-dichloroet...	0.656	0.654	0.655	0.502	0.502	0.600	0.486	0.457	0.564	15.22
43) I	1,4-difluorobenzene	-----ISTD-----									
44) C	hexane	0.336	0.351	0.358	0.267	0.270	0.346	0.335	0.324	0.323	10.97
45)	diisopropyl ether	0.168	0.191	0.188	0.144	0.145	0.183	0.178	0.175	0.172	10.62
46)	tert-butyl eth...	0.543	0.575	0.598	0.462	0.469	0.590	0.550	0.546	0.542	9.46
47) s	1,2-dichloroet...	0.230	0.230	0.233	0.234	0.226	0.231	0.195	0.188	0.221	8.27
48) C	1,1,1-trichlor...	0.304	0.323	0.327	0.260	0.263	0.333	0.287	0.287	0.298	9.50
49)	1,1-dichloropr...	0.308	0.333	0.337	0.259	0.263	0.338	0.317	0.290	0.306	10.46
50) C	benzene	0.702	0.759	0.777	0.598	0.604	0.761	0.740	0.679	0.703	10.05
51)	thiophene	0.475	0.508	0.520	0.544	0.555	0.522	0.509	0.487	0.515	5.20
52) C	carbon tetrach...	0.242	0.263	0.279	0.228	0.237	0.312	0.290	0.272	0.266	10.82
53)	cyclohexane	0.342	0.366	0.380	0.283	0.285	0.368	0.365	0.365	0.344	11.20
54)	tert-amyl meth...	0.529	0.579	0.595	0.462	0.471	0.610	0.568	0.526	0.543	10.21
55)	dibromomethane	0.225	0.237	0.245	0.183	0.187	0.230	0.202	0.191	0.212	11.57
56) C	1,2-dichloropr...	0.256	0.262	0.273	0.212	0.213	0.262	0.230	0.220	0.241	10.36
57)	bromodichlorom...	0.325	0.343	0.363	0.283	0.299	0.390	0.380	0.363	0.343	11.14
58) C	1,4-dioxane	0.140	0.144	0.146	0.117	0.123	0.165	0.157	0.154	0.143	11.58
59) C	trichloroethene	0.342	0.361	0.370	0.274	0.275	0.335	0.298	0.285	0.317	12.37
60) C	2,2,4-trimethy...	1.065	1.154	1.174	0.864	0.869	1.104	1.054	1.024	1.038	11.29
61)	methyl methacr...		0.287	0.295	0.235	0.242	0.311	0.267	0.243	0.268	11.05
62)	heptane	0.516	0.551	0.560	0.423	0.426	0.540	0.463	0.407	0.486	13.00

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Method File : TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024
Response Via : Initial Calibration

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
50 =r1745959.D 100 =r1745960.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C cis-1,3-dichlo...	0.293	0.315	0.329	0.275	0.289	0.385	0.368	0.342	0.325	12.00
64)	C 4-methyl-2-pen...		0.618	0.648	0.505	0.515	0.668	0.571	0.505	0.576	12.07
65)	trans-1,3-dich...	0.193	0.216	0.236	0.202	0.215	0.290	0.281	0.267	0.237	15.74
66)	C 1,1,2-trichlor...	0.287	0.307	0.319	0.242	0.244	0.301	0.263	0.247	0.276	11.18
67)	I chlorobenzene-D5	-----ISTD-----									
68)	C toluene	5.919	6.410	6.480	5.079	5.085	6.171	5.487	4.895	5.691	11.19
69)	s toluene-D8	5.982	6.035	6.081	6.135	5.996	6.226	5.578	5.142	5.897	6.10
70)	2-methylthiophene	5.242	5.724	5.869	6.257	6.274	5.661	4.858	4.303	5.523	12.41
71)	1,3-dichloropr...	2.717	2.984	3.051	2.315	2.355	3.046	2.840	2.424	2.716	11.52
72)	2-hexanone	3.668	4.235	4.390	3.500	3.550	4.588	3.872	3.215	3.877	12.44
73)	3-methylthiophene	5.565	6.033	6.214	6.638	6.644	5.967	5.140	4.481	5.835	12.77
74)	dibromochlorom...	2.185	2.416	2.618	2.153	2.269	2.993	2.699	2.437	2.471	11.58
75)	C 1,2-dibromoethane	2.823	3.023	3.212	2.467	2.523	3.240	2.864	2.456	2.826	11.34
76)	butyl acetate		0.621	0.659	0.552	0.592	0.780	0.714	0.626	0.649	11.88
77)	octane	1.993	2.195	2.280	1.755	1.763	2.234	2.130	1.918	2.034	10.22
78)	C tetrachloroethene	2.456	2.603	2.739	2.015	2.044	2.553	2.250	1.983	2.330	12.73
79)	1,1,1,2-tetrac...	1.859	2.041	2.145	1.764	1.802	2.336	2.051	1.832	1.979	10.06
80)	C chlorobenzene	4.977	5.356	5.455	4.170	4.214	5.363	4.871	4.075	4.810	12.06
81)	C ethylbenzene	7.397	8.199	8.488	6.545	6.603	8.051	6.995	6.159	7.305	11.85
82)	2-ethylthiophene	5.936	6.430	6.813	7.265	7.381	6.729	5.675	4.910	6.393	13.16
83)	C m+p-xylene	5.912	6.510	6.778	5.196	5.247	6.329	5.479	4.737	5.774	12.51
84)	C bromoform	1.470	1.676	1.875	1.603	1.785	2.437	2.269	2.045	1.895	17.65
85)	C styrene	4.399	4.827	5.151	4.186	4.319	5.596	4.876	4.177	4.691	10.89
86)	C 1,1,2,2-tetrac...	3.899	4.393	4.655	3.695	3.807	4.805	4.445	3.648	4.168	10.98
87)	C o-xylene	5.949	6.597	6.893	5.294	5.242	6.281	5.433	4.629	5.790	13.31
88)	1,2,3-trichlor...	3.109	3.422	3.626	2.735	2.851	3.708	3.463	2.972	3.236	11.36
89)	nonane	5.400	5.945	6.192	4.831	4.907	6.062	5.008	4.008	5.294	14.15
90)	s bromofluoroben...	4.169	4.169	4.264	4.327	4.220	4.261	3.916	3.667	4.124	5.39
91)	C isopropylbenzene	7.671	8.303	8.639	6.572	6.730	8.631	7.502	6.181	7.529	12.74
92)	bromobenzene	4.166	4.623	4.733	3.574	3.656	4.737	4.388	3.738	4.202	11.69
93)	2-chlorotoluene	2.283	2.552	2.672	2.063	2.094	2.584	2.324	2.088	2.333	10.49

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Method File : TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024
Response Via : Initial Calibration

Calibration Files

0.2 =r1745953.D 0.5 =r1745954.D 1.0 =r1745955.D 5.0 =r1745956.D 10 =r1745957.D 20 =r1745958.D
50 =r1745959.D 100 =r1745960.D

Compound		0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)	n-propylbenzene	2.362	2.756	2.852	2.180	2.212	2.809	2.595	2.302	2.509	11.05
95)	4-chlorotoluene	2.248	2.549	2.690	2.014	2.055	2.547	2.264	2.038	2.301	11.49
96)	4-ethyl toluene	7.464	8.476	9.007	6.796	7.030	9.067	7.982	6.597	7.802	12.55
97)	1,3,5-trimethy...	6.558	7.244	7.580	5.852	6.039	7.625	6.564	5.478	6.617	12.20
98)	tert-butylbenzene	7.281	8.049	8.407	6.221	6.168	7.646	6.744	5.273	6.974	15.25
99)	1,2,4-trimethy...	6.377	7.119	7.620	5.995	6.183	7.587	6.398	5.095	6.547	13.11
100)	decane	5.171	5.913	6.200	4.653	4.638	5.679	5.242	4.600	5.262	11.77
101) C	Benzyl Chloride	1.723	2.111	2.669	2.447	2.964	4.322	4.326	3.978	3.067	33.20#
102)	1,3-dichlorobe...	4.268	4.777	5.041	3.881	4.013	4.960	4.337	3.775	4.381	11.23
103) C	1,4-dichlorobe...	4.017	4.565	5.032	3.797	4.012	4.950	4.373	3.697	4.305	11.82
104)	sec-butylbenzene	0.951	1.062	1.107	0.853	0.875	1.093	0.927	0.757	0.953	13.19
105)	1,2,3-trimethy...	6.405	7.157	7.699	5.440	5.611	6.765	5.693	4.604	6.172	16.49
106)	p-isopropyltol...	0.871	0.990	1.039	0.738	0.756	0.910	0.789	0.615	0.839	16.75
107)	1,2-dichlorobe...	4.261	4.599	4.890	3.662	3.826	4.697	4.068	3.462	4.183	12.37
108)	n-butylbenzene	6.810	8.025	8.502	6.511	6.391	7.654	6.943	6.040	7.110	12.13
109)	indan	6.598	7.313	7.597	5.879	5.819	7.340	6.610	5.499	6.582	12.03
110)	indene	3.800	4.395	4.790	3.867	3.888	5.019	4.659	4.053	4.309	10.96
111) C	1,2-dibromo-3-...	0.975	1.232	1.470	1.274	1.428	1.901	1.771	1.533	1.448	20.52
112)	undecane	5.298	6.213	6.725	5.077	5.070	6.202	5.587	4.816	5.623	12.13
113)	1,2,4,5-tetram...	3.000	3.544	3.780	2.796	2.851	3.700	3.543	3.177	3.299	11.85
114)	dodecane	4.571	5.683	6.390	5.067	5.245	6.041	5.568	4.786	5.419	11.45
115) C	1,2,4-trichlor...	2.060	2.540	3.001	2.422	2.742	3.313	3.258	2.936	2.784	15.43
116)	naphthalene	5.990	7.401	8.951	7.314	7.850	9.075	8.675	7.799	7.882	12.99
117)	1,2,3-trichlor...	1.952	2.460	2.770	2.236	2.496	2.872	2.859	2.628	2.534	12.65
118)	benzothiophene	2.312	2.960	4.005	3.343	3.872	4.517	4.483	4.227	3.715	21.05
119) C	hexachlorobuta...	2.576	2.962	3.108	2.323	2.363	2.758	2.620	2.214	2.615	12.04
120)	2-methylnaphth...		0.458	0.391	0.604	0.642	0.746	0.734	0.596		24.31
121)	1-methylnaphth...		0.929	0.764	1.076	1.048	1.178	1.131	1.021		14.87

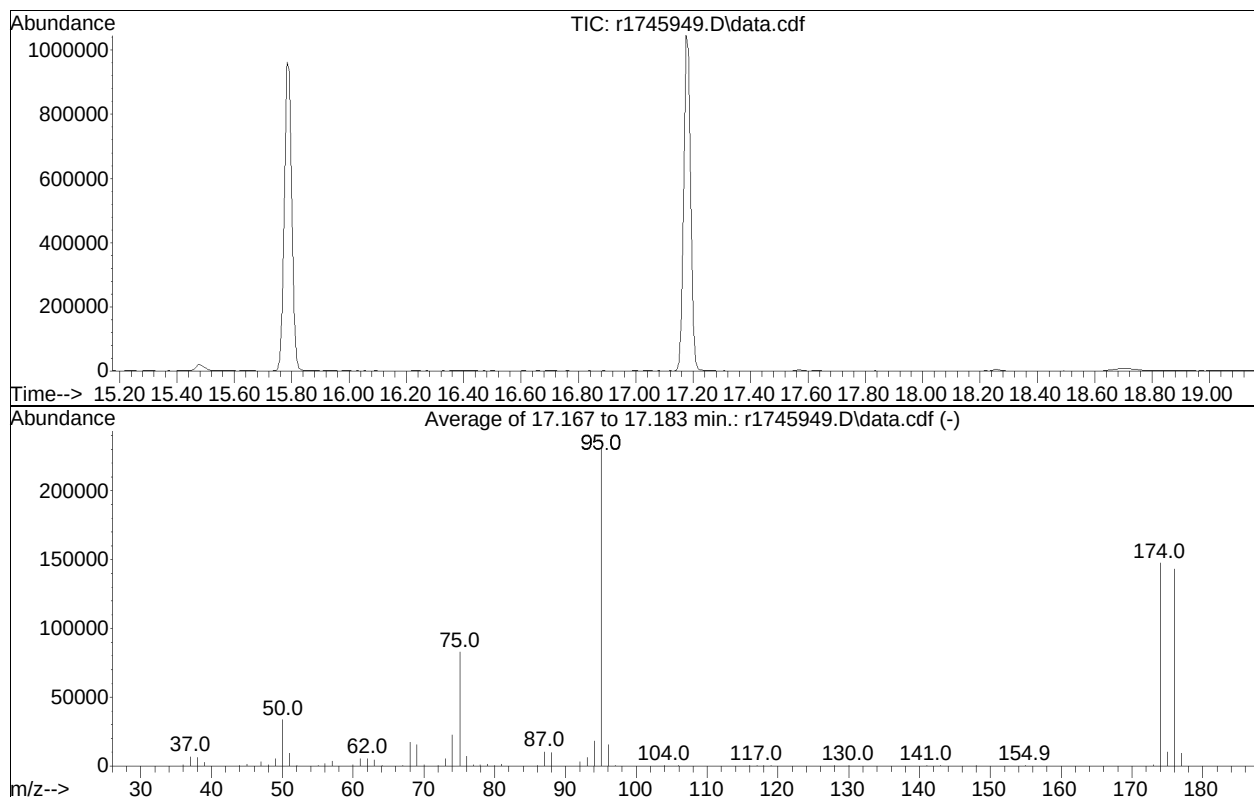
(#) = Out of Range

BFB

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745949.D
Acq On : 20 Dec 2024 7:59 PM
Operator : AIRLAB17:BJB
Sample : WG2012830-1,3,250,250
Misc : WG2012830
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024



Spectrum Information: Average of 17.167 to 17.183 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	33633	PASS
75	95	30	66	35.8	83129	PASS
95	95	100	100	100.0	232041	PASS
96	95	5	9	6.7	15616	PASS
173	174	0.00	2	0.6	882	PASS
174	95	50	120	63.7	147775	PASS
175	174	4	9	7.1	10463	PASS
176	174	93	101	96.8	143078	PASS
177	176	5	9	6.5	9367	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745953.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:23 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	298753	10.000	ppbV	0.00
Standard Area = 299618			Recovery =	99.71%		
43) 1,4-difluorobenzene	11.030	114	804866	10.000	ppbV	0.00
Standard Area = 812080			Recovery =	99.11%		
67) chlorobenzene-D5	15.792	54	112132	10.000	ppbV	0.00
Standard Area = 111496			Recovery =	100.57%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	184982	10.164	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.64%		
69) toluene-D8	13.875	98	670764	9.977	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.77%		
90) bromofluorobenzene	17.183	95	467492	9.879	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.79%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.778	51	5274	0.244	ppbV	99
3) propylene	3.802	41	3154M6	0.263	ppbV	
4) propane	3.826	29	3888	0.267	ppbV	97
5) dichlorodifluoromethane	3.874	85	6570	0.242	ppbV	100
6) chloromethane	4.024	50	3705	0.253	ppbV	98
7) Freon-114	4.126	85	7803	0.242	ppbV	97
8) methanol	4.180	31	20951	2.506	ppbV #	67
9) vinyl chloride	4.240	62	3178	0.242	ppbV	93
10) 1,3-butadiene	4.378	54	3051	0.267	ppbV	91
11) butane	4.432	43	5281	0.249	ppbV	96
12) acetaldehyde	4.144	29	11615	1.475	ppbV #	66
13) bromomethane	4.642	94	2902	0.259	ppbV	95
14) chloroethane	4.822	64	1547	0.257	ppbV	97
15) ethanol	4.942	31	13745	1.299	ppbV	99
16) dichlorofluoromethane	4.924	67	5845	0.254	ppbV	97
17) vinyl bromide	5.187	106	2851	0.255	ppbV	89
18) acrolein	5.310	56	1521	0.249	ppbV #	66
19) acetone	5.453	43	28265	1.398	ppbV #	100
20) acetonitrile	5.170	41	2958M4	0.262	ppbV	
21) trichlorofluoromethane	5.630	101	5769	0.241	ppbV	95
22) isopropyl alcohol	5.720	45	15622	0.538	ppbV	99
23) acrylonitrile	5.947	53	2588	0.233	ppbV	96
24) pentane	6.017	43	7882	0.258	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745953.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:23 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.053	31	4881	0.231	ppbV	95
26) 1,1-dichloroethene	6.312	61	4589	0.242	ppbV	98
27) tertiary butyl alcohol	6.372	59	4468	0.219	ppbV #	92
28) methylene chloride	6.450	49	5037	0.279	ppbV	99
29) 3-chloropropene	6.576	41	4966	0.242	ppbV	96
30) carbon disulfide	6.744	76	10139	0.236	ppbV #	43
31) Freon 113	6.750	101	6781	0.246	ppbV	98
32) trans-1,2-dichloroethene	7.475	61	4563	0.241	ppbV	97
33) 1,1-dichloroethane	7.692	63	5664	0.230	ppbV	98
34) MTBE	7.783	73	7635	0.236	ppbV	98
35) vinyl acetate	7.883	43	7222	0.220	ppbV	99
36) 2-butanone	8.150	43	8563	0.246	ppbV #	97
37) cis-1,2-dichloroethene	8.633	61	4176	0.227	ppbV	98
38) Ethyl Acetate	8.925	61	1054	0.221	ppbV #	1
39) chloroform	8.967	83	5867	0.235	ppbV	97
40) Tetrahydrofuran	9.425	42	5051	0.246	ppbV	95
41) 2,2-dichloropropane	8.992	77	3876	0.219	ppbV #	86
42) 1,2-dichloroethane	9.792	62	3922	0.262	ppbV	98
44) hexane	8.892	57	5408	0.249	ppbV #	52
45) diisopropyl ether	8.892	87	2708	0.232	ppbV	97
46) tert-butyl ethyl ether	9.508	59	8734	0.231	ppbV	99
48) 1,1,1-trichloroethane	10.083	97	4898	0.232	ppbV	98
49) 1,1-dichloropropene	10.450	75	4952	0.234	ppbV #	90
50) benzene	10.603	78	11299	0.232	ppbV	99
51) thiophene	10.750	84	7647	0.171	ppbV	95
52) carbon tetrachloride	10.777	117	3900	0.204	ppbV	99
53) cyclohexane	10.923	56	5498	0.239	ppbV	94
54) tert-amyl methyl ether	11.310	73	8516	0.224	ppbV	94
55) dibromomethane	11.510	93	3614	0.240	ppbV	93
56) 1,2-dichloropropane	11.550	63	4128	0.241	ppbV	95
57) bromodichloromethane	11.770	83	5230	0.217	ppbV	99
58) 1,4-dioxane	11.830	88	2247	0.227	ppbV	86
59) trichloroethene	11.823	130	5510	0.249	ppbV	96
60) 2,2,4-trimethylpentane	11.883	57	17140	0.245	ppbV #	96
61) methyl methacrylate	12.077	41	4207	0.216	ppbV	97
62) heptane	12.197	43	8312	0.242	ppbV	94
63) cis-1,3-dichloropropene	12.842	75	4721	0.203	ppbV	95
64) 4-methyl-2-pentanone	12.892	43	9340	0.225	ppbV	98
65) trans-1,3-dichloropropene	13.467	75	3101	0.179	ppbV #	82
66) 1,1,2-trichloroethane	13.667	97	4619	0.235	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745953.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:23 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	13275	0.233	ppbV	100
70) 2-methylthiophene	14.067	97	11755	0.167	ppbV	99
71) 1,3-dichloropropane	14.025	76	6094	0.231	ppbV #	96
72) 2-hexanone	14.317	43	8225	0.207	ppbV	94
73) 3-methylthiophene	14.267	97	12481	0.168	ppbV	98
74) dibromochloromethane	14.450	129	4901	0.193	ppbV	96
75) 1,2-dibromoethane	14.708	107	6332	0.224	ppbV	97
76) butyl acetate	14.983	73	1273	0.192	ppbV	77
77) octane	15.058	85	4469	0.226	ppbV	95
78) tetrachloroethene	15.183	166	5509	0.240	ppbV	99
79) 1,1,1,2-tetrachloroethane	15.825	131	4168	0.206	ppbV	95
80) chlorobenzene	15.833	112	11162	0.236	ppbV	95
81) ethylbenzene	16.192	91	16588	0.224	ppbV	99
82) 2-ethylthiophene	16.233	97	13312	0.161	ppbV	94
83) m+p-xylene	16.358	91	26518	0.451	ppbV	96
84) bromoform	16.417	173	3296	0.165	ppbV	96
85) styrene	16.683	104	9865	0.204	ppbV	98
86) 1,1,2,2-tetrachloroethane	16.783	83	8743	0.205	ppbV	96
87) o-xylene	16.783	91	13342	0.227	ppbV	95
88) 1,2,3-trichloropropane	16.900	75	6972	0.218	ppbV	96
89) nonane	16.992	43	12110	0.220	ppbV #	95
91) isopropylbenzene	17.308	105	17203	0.228	ppbV	99
92) bromobenzene	17.375	77	9342	0.228	ppbV	95
93) 2-chlorotoluene	17.708	126	5121	0.218	ppbV	98
94) n-propylbenzene	17.742	120	5296	0.214	ppbV	100
95) 4-chlorotoluene	17.775	126	5042	0.219	ppbV	95
96) 4-ethyl toluene	17.867	105	16740	0.212	ppbV	96
97) 1,3,5-trimethylbenzene	17.933	105	14707	0.217	ppbV #	93
98) tert-butylbenzene	18.283	119	16328	0.236	ppbV	96
99) 1,2,4-trimethylbenzene	18.283	105	14302	0.206	ppbV	91
100) decane	18.375	57	11597	0.223	ppbV	96
101) Benzyl Chloride	18.400	91	3865	0.116	ppbV	100
102) 1,3-dichlorobenzene	18.408	146	9571	0.213	ppbV	96
103) 1,4-dichlorobenzene	18.467	146	9009	0.200	ppbV	100
104) sec-butylbenzene	18.508	105	21335	0.217	ppbV	98
105) 1,2,3-trimethylbenzene	18.633	105	14365	0.228	ppbV	91
106) p-isopropyltoluene	18.633	119	19535	0.230	ppbV	99
107) 1,2-dichlorobenzene	18.750	146	9556	0.223	ppbV	97
108) n-butylbenzene	18.983	91	15272	0.213	ppbV	96
109) indan	18.800	117	14797	0.227	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745953.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:23 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

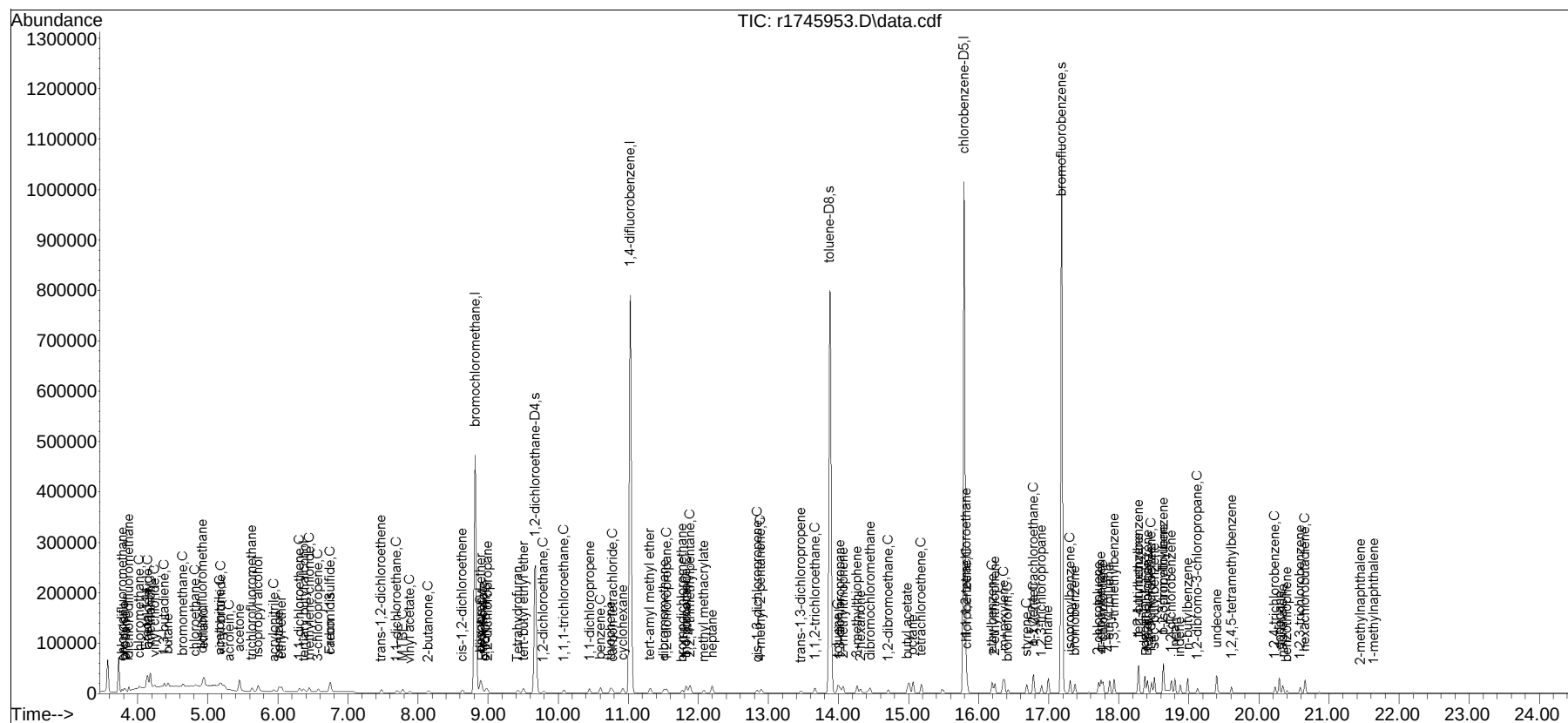
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
110)	indene	18.875	115	8523	0.195	ppbV	#	92
111)	1,2-dibromo-3-chloropr...	19.125	75	2187	0.137	ppbV	#	78
112)	undecane	19.400	57	11882	0.209	ppbV		94
113)	1,2,4,5-tetramethylben...	19.608	119	6729	0.211	ppbV		97
114)	dodecane	20.292	57	10251	0.174	ppbV		95
115)	1,2,4-trichlorobenzene	20.225	180	4620	0.150	ppbV		96
116)	naphthalene	20.342	128	13434	0.153	ppbV		98
117)	1,2,3-trichlorobenzene	20.592	180	4377	0.156	ppbV		98
118)	benzothiophene	20.400	134	5184	0.119	ppbV	#	96
119)	hexachlorobutadiene	20.658	225	5776	0.218	ppbV		94
120)	2-methylnaphthalene	21.450	142	290	0.043	ppbV	#	78
121)	1-methylnaphthalene	21.642	142	883	0.073	ppbV	#	84

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


```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745953.D
Acq On    : 21 Dec 2024    3:40 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.2
Misc      : WG2012830
ALS Vial  : 0    Sample Multiplier: 1
```

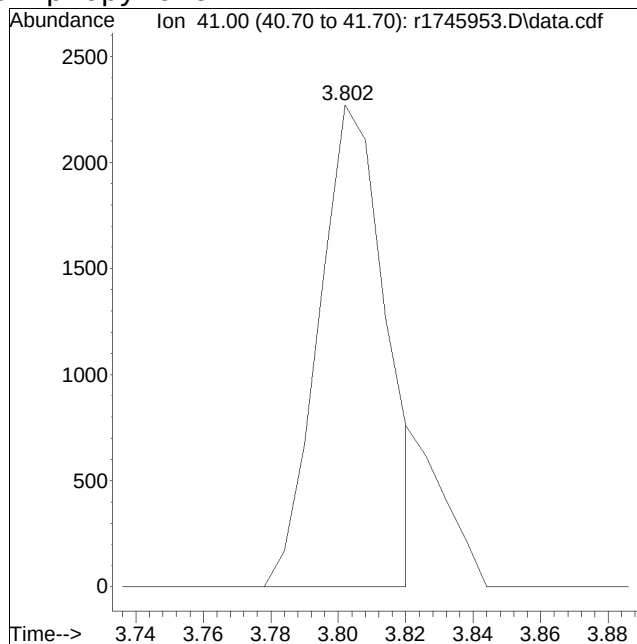
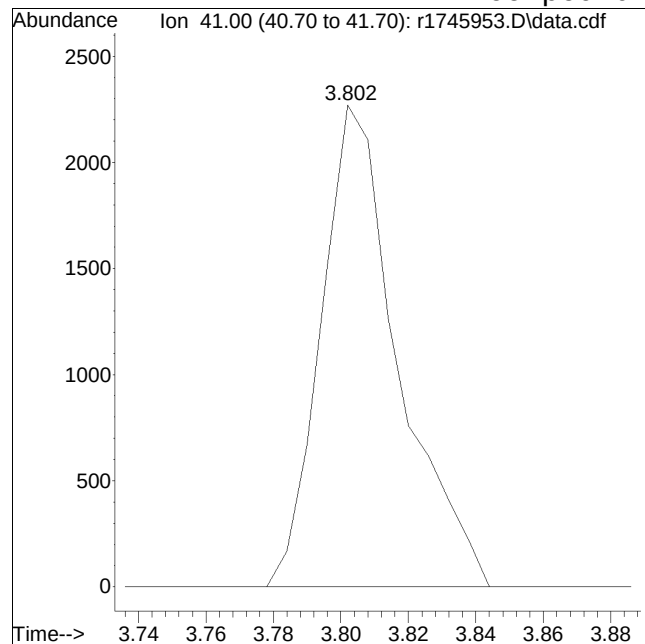
Quant Time: Dec 21 08:35:23 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745953.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/21/2024 8:35 am

Compound #3: propylene



Original Peak Response = 3600

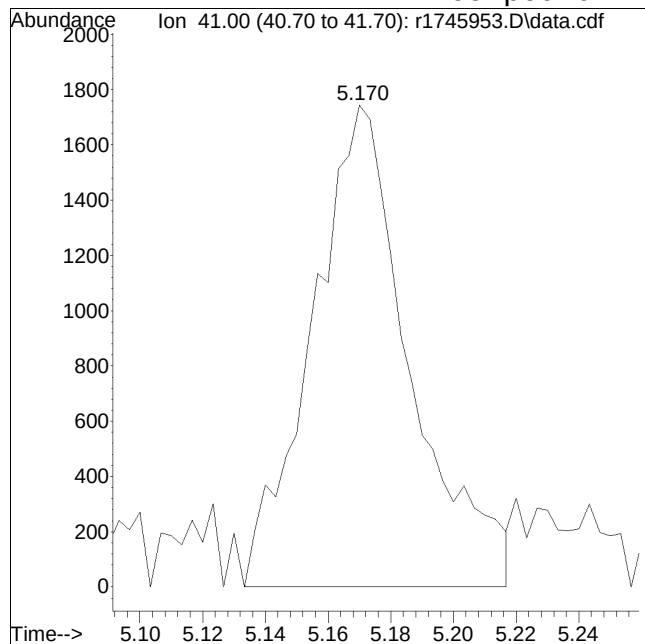
Manual Peak Response = 3154 M6

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

Manual Integration Report

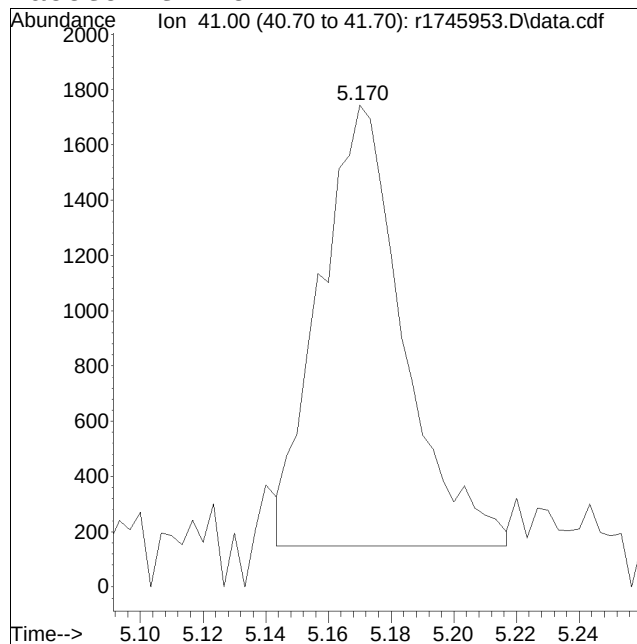
Data Path : X:\Airlab\Data\Airlab17\2000Method : TFS17_241220.M
Data File : r1745953.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/21/2024 8:35 am

Compound #20: acetonitrile



Original Peak Response = 3789

M4 = Poor automated baseline construction.



Manual Peak Response = 2958 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745954.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:34 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	296002	10.000	ppbV	0.00
Standard Area = 299618			Recovery =		98.79%	
43) 1,4-difluorobenzene	11.030	114	802951	10.000	ppbV	0.00
Standard Area = 812080			Recovery =		98.88%	
67) chlorobenzene-D5	15.792	54	109874	10.000	ppbV	0.00
Standard Area = 111496			Recovery =		98.55%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	184623	10.169	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		101.69%	
69) toluene-D8	13.875	98	663089	10.065	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		100.65%	
90) bromofluorobenzene	17.183	95	458117	9.879	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		98.79%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	13614	0.635	ppbV	99
3) propylene	3.802	41	8082M6	0.681	ppbV	
4) propane	3.826	29	9337	0.648	ppbV	95
5) dichlorodifluoromethane	3.874	85	16931	0.630	ppbV	100
6) chloromethane	4.030	50	9388	0.647	ppbV	96
7) Freon-114	4.126	85	20884	0.653	ppbV	100
8) methanol	4.180	31	53316	6.437	ppbV #	88
9) vinyl chloride	4.240	62	8418	0.647	ppbV	98
10) 1,3-butadiene	4.378	54	7404	0.653	ppbV	98
11) butane	4.432	43	13467	0.642	ppbV	93
12) acetaldehyde	4.144	29	28994	3.717	ppbV	87
13) bromomethane	4.642	94	7218	0.650	ppbV	99
14) chloroethane	4.822	64	4062	0.682	ppbV	99
15) ethanol	4.942	31	36813	3.513	ppbV	99
16) dichlorofluoromethane	4.930	67	15472	0.678	ppbV	99
17) vinyl bromide	5.183	106	7343	0.662	ppbV	94
18) acrolein	5.310	56	3766	0.623	ppbV #	89
19) acetone	5.450	43	69894	3.490	ppbV	96
20) acetonitrile	5.167	41	7152M4	0.640	ppbV	
21) trichlorofluoromethane	5.630	101	15254	0.643	ppbV	96
22) isopropyl alcohol	5.710	45	38841	1.350	ppbV	99
23) acrylonitrile	5.943	53	6861	0.624	ppbV	96
24) pentane	6.020	43	19939	0.658	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745954.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:34 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.050	31	12867	0.615	ppbV	97
26) 1,1-dichloroethene	6.312	61	12000	0.639	ppbV	99
27) tertiary butyl alcohol	6.360	59	12114	0.600	ppbV	96
28) methylene chloride	6.450	49	12078	0.676	ppbV	100
29) 3-chloropropene	6.576	41	13038	0.641	ppbV	98
30) carbon disulfide	6.744	76	26204	0.616	ppbV #	77
31) Freon 113	6.750	101	17581	0.643	ppbV	99
32) trans-1,2-dichloroethene	7.483	61	12457	0.665	ppbV	95
33) 1,1-dichloroethane	7.700	63	15310	0.628	ppbV	98
34) MTBE	7.775	73	20251	0.632	ppbV	97
35) vinyl acetate	7.883	43	19677	0.606	ppbV	96
36) 2-butanone	8.142	43	21931	0.636	ppbV	98
37) cis-1,2-dichloroethene	8.633	61	11449	0.630	ppbV	99
38) Ethyl Acetate	8.908	61	2755	0.583	ppbV	87
39) chloroform	8.967	83	15421	0.623	ppbV	98
40) Tetrahydrofuran	9.417	42	12429	0.612	ppbV	97
41) 2,2-dichloropropane	8.992	77	10286	0.588	ppbV	93
42) 1,2-dichloroethane	9.800	62	9677	0.652	ppbV	98
44) hexane	8.892	57	14073	0.650	ppbV #	56
45) diisopropyl ether	8.892	87	7667	0.658	ppbV	97
46) tert-butyl ethyl ether	9.500	59	23102	0.613	ppbV	98
48) 1,1,1-trichloroethane	10.083	97	12948	0.613	ppbV	92
49) 1,1-dichloropropene	10.450	75	13363	0.633	ppbV	96
50) benzene	10.603	78	30492	0.629	ppbV	98
51) thiophene	10.750	84	20382	0.457	ppbV	97
52) carbon tetrachloride	10.777	117	10573	0.556	ppbV	94
53) cyclohexane	10.923	56	14704	0.642	ppbV	97
54) tert-amyl methyl ether	11.310	73	23254	0.614	ppbV	99
55) dibromomethane	11.510	93	9511	0.634	ppbV	96
56) 1,2-dichloropropane	11.550	63	10531	0.615	ppbV	96
57) bromodichloromethane	11.777	83	13788	0.574	ppbV	99
58) 1,4-dioxane	11.823	88	5765	0.583	ppbV	88
59) trichloroethene	11.823	130	14483	0.656	ppbV	99
60) 2,2,4-trimethylpentane	11.883	57	46320	0.664	ppbV	98
61) methyl methacrylate	12.077	41	11513	0.592	ppbV	99
62) heptane	12.197	43	22118	0.647	ppbV	98
63) cis-1,3-dichloropropene	12.842	75	12654	0.545	ppbV	99
64) 4-methyl-2-pentanone	12.892	43	24803	0.600	ppbV	100
65) trans-1,3-dichloropropene	13.467	75	8679	0.503	ppbV	96
66) 1,1,2-trichloroethane	13.667	97	12326	0.628	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745954.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:34 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	35217	0.630	ppbV	100
70) 2-methylthiophene	14.067	97	31448	0.456	ppbV	97
71) 1,3-dichloropropane	14.025	76	16392	0.633	ppbV	98
72) 2-hexanone	14.308	43	23267	0.597	ppbV #	95
73) 3-methylthiophene	14.267	97	33146	0.454	ppbV	100
74) dibromochloromethane	14.450	129	13273	0.532	ppbV	98
75) 1,2-dibromoethane	14.708	107	16607	0.599	ppbV	95
76) butyl acetate	14.975	73	3410	0.524	ppbV	93
77) octane	15.067	85	12061	0.623	ppbV	94
78) tetrachloroethene	15.183	166	14301	0.637	ppbV	99
79) 1,1,1,2-tetrachloroethane	15.817	131	11213	0.566	ppbV	98
80) chlorobenzene	15.833	112	29423	0.635	ppbV	99
81) ethylbenzene	16.192	91	45042	0.621	ppbV	99
82) 2-ethylthiophene	16.233	97	35326	0.436	ppbV	97
83) m+p-xylene	16.358	91	71533	1.241	ppbV	98
84) bromoform	16.417	173	9208	0.470	ppbV	99
85) styrene	16.683	104	26516	0.559	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.783	83	24136	0.577	ppbV	96
87) o-xylene	16.783	91	36243	0.629	ppbV	94
88) 1,2,3-trichloropropane	16.892	75	18799	0.600	ppbV	98
89) nonane	16.992	43	32661	0.606	ppbV	95
91) isopropylbenzene	17.300	105	45615	0.617	ppbV	99
92) bromobenzene	17.375	77	25400	0.632	ppbV	99
93) 2-chlorotoluene	17.708	126	14018	0.609	ppbV	99
94) n-propylbenzene	17.742	120	15141	0.623	ppbV	91
95) 4-chlorotoluene	17.775	126	14004	0.620	ppbV	95
96) 4-ethyl toluene	17.867	105	46562	0.603	ppbV	95
97) 1,3,5-trimethylbenzene	17.933	105	39797	0.600	ppbV	99
98) tert-butylbenzene	18.275	119	44220	0.653	ppbV	100
99) 1,2,4-trimethylbenzene	18.275	105	39110	0.576	ppbV	89
100) decane	18.367	57	32484	0.637	ppbV	92
101) Benzyl Chloride	18.400	91	11598	0.356	ppbV	97
102) 1,3-dichlorobenzene	18.408	146	26245	0.595	ppbV	97
103) 1,4-dichlorobenzene	18.467	146	25080	0.569	ppbV	99
104) sec-butylbenzene	18.508	105	58340	0.607	ppbV	98
105) 1,2,3-trimethylbenzene	18.633	105	39317	0.638	ppbV	99
106) p-isopropyltoluene	18.633	119	54375	0.654	ppbV	100
107) 1,2-dichlorobenzene	18.750	146	25268	0.601	ppbV	96
108) n-butylbenzene	18.983	91	44087	0.628	ppbV	94
109) indan	18.800	117	40174	0.628	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745954.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:34 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

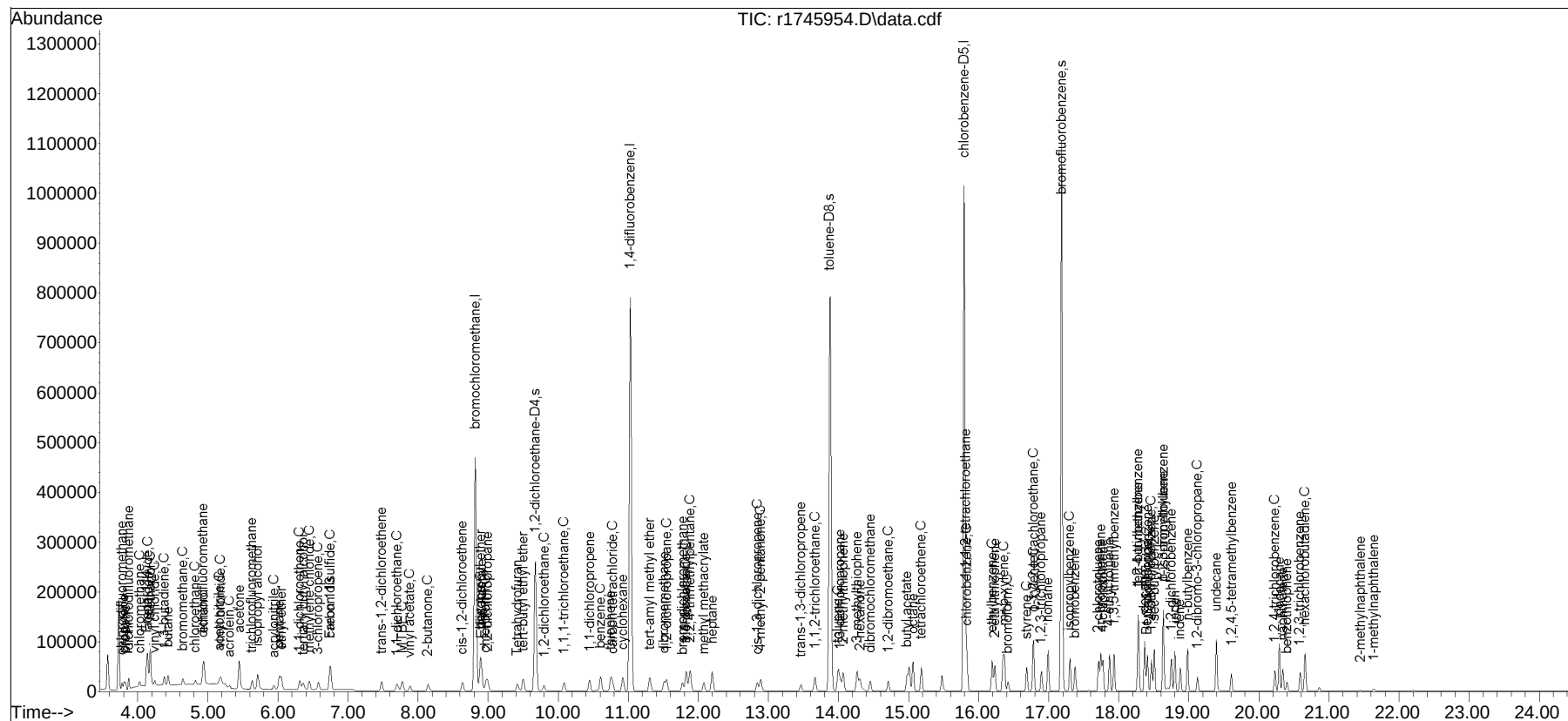
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
110)	indene	18.875	115	24143	0.565	ppbV		97
111)	1,2-dibromo-3-chloropr...	19.125	75	6766	0.431	ppbV #		87
112)	undecane	19.392	57	34131	0.613	ppbV		94
113)	1,2,4,5-tetramethylben...	19.608	119	19468	0.622	ppbV		94
114)	dodecane	20.292	57	31222	0.542	ppbV		97
115)	1,2,4-trichlorobenzene	20.225	180	13954	0.463	ppbV		93
116)	naphthalene	20.342	128	40659	0.471	ppbV		99
117)	1,2,3-trichlorobenzene	20.583	180	13516	0.493	ppbV		96
118)	benzothiophene	20.400	134	16259	0.382	ppbV		99
119)	hexachlorobutadiene	20.658	225	16273	0.627	ppbV		95
120)	2-methylnaphthalene	21.450	142	1616	0.244	ppbV #		96
121)	1-methylnaphthalene	21.642	142	3486	0.295	ppbV		93

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745954.D
Acq On    : 21 Dec 2024    4:18 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.5
Misc      : WG2012830
ALS Vial  : 0    Sample Multiplier: 1
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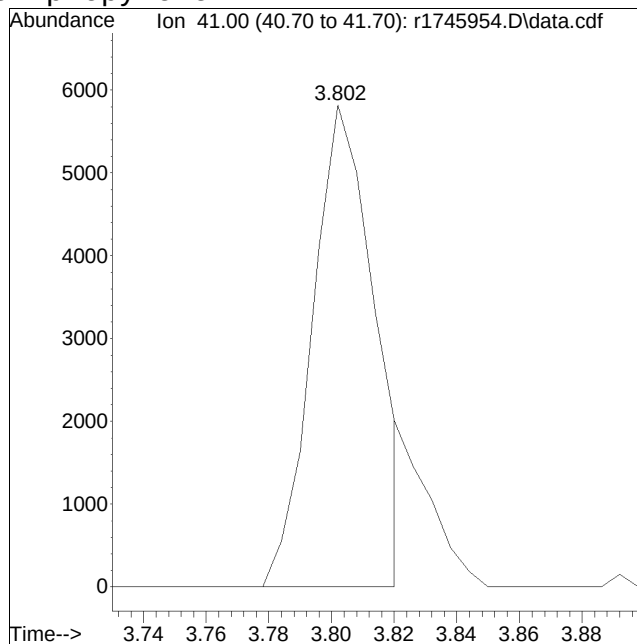
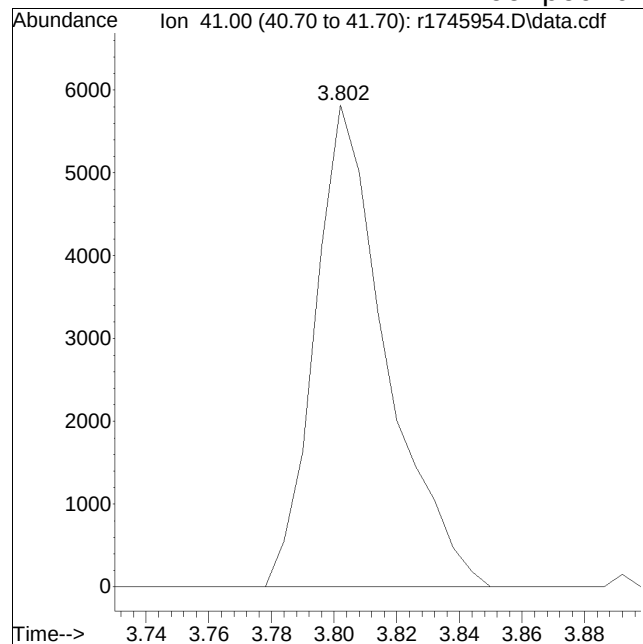
Quant Time: Dec 21 08:35:34 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1745954.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:18 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 12/21/2024 8:35 am

Compound #3: propylene



Original Peak Response = 9222

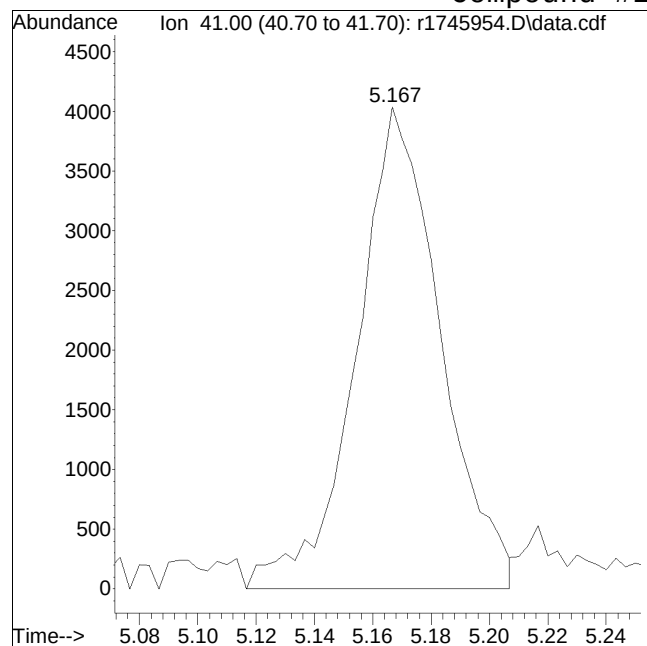
Manual Peak Response = 8082 M6

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

Manual Integration Report

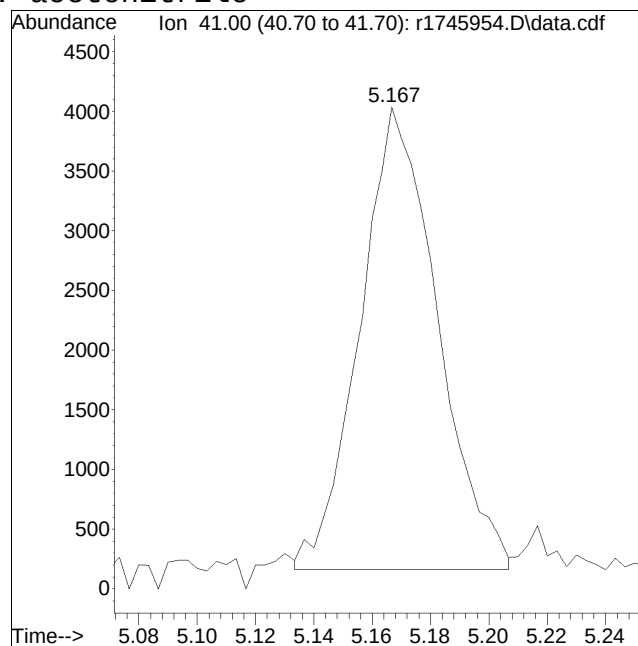
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1745954.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:18 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 12/21/2024 8:35 am

Compound #20: acetonitrile



Original Peak Response = 8103

M4 = Poor automated baseline construction.



Manual Peak Response = 7152 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745955.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:44 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	294131	10.000	ppbV	0.00
Standard Area = 299618			Recovery =		98.17%	
43) 1,4-difluorobenzene	11.030	114	803055	10.000	ppbV	0.00
Standard Area = 812080			Recovery =		98.89%	
67) chlorobenzene-D5	15.792	54	109737	10.000	ppbV	0.00
Standard Area = 111496			Recovery =		98.42%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	186906	10.293	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		102.93%	
69) toluene-D8	13.875	98	667316	10.142	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		101.42%	
90) bromofluorobenzene	17.183	95	467948	10.104	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		101.04%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	27565	1.294	ppbV	97
3) propylene	3.802	41	16188M6	1.373	ppbV	
4) propane	3.826	29	17646	1.232	ppbV	99
5) dichlorodifluoromethane	3.874	85	34324	1.285	ppbV	99
6) chloromethane	4.024	50	18964	1.316	ppbV	96
7) Freon-114	4.126	85	41948	1.320	ppbV	98
8) methanol	4.180	31	107953	13.116	ppbV	95
9) vinyl chloride	4.240	62	16795	1.299	ppbV	97
10) 1,3-butadiene	4.378	54	15216	1.351	ppbV	99
11) butane	4.432	43	27574	1.322	ppbV	98
12) acetaldehyde	4.144	29	58328	7.526	ppbV	95
13) bromomethane	4.648	94	14445	1.309	ppbV	99
14) chloroethane	4.822	64	7963	1.345	ppbV	97
15) ethanol	4.942	31	74298	7.135	ppbV	99
16) dichlorofluoromethane	4.930	67	30952	1.364	ppbV	99
17) vinyl bromide	5.183	106	14746	1.339	ppbV	98
18) acrolein	5.310	56	8118	1.352	ppbV #	90
19) acetone	5.443	43	139317	7.001	ppbV	99
20) acetonitrile	5.163	41	14716	1.325	ppbV	98
21) trichlorofluoromethane	5.633	101	30498	1.293	ppbV	92
22) isopropyl alcohol	5.707	45	77255	2.702	ppbV	100
23) acrylonitrile	5.940	53	13689	1.253	ppbV	98
24) pentane	6.020	43	40434	1.343	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745955.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:44 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.047	31	26570	1.277	ppbV	98
26) 1,1-dichloroethene	6.312	61	24047	1.289	ppbV	98
27) tertiary butyl alcohol	6.354	59	24674	1.230	ppbV	98
28) methylene chloride	6.444	49	23498	1.324	ppbV	99
29) 3-chloropropene	6.576	41	26407	1.306	ppbV	97
30) carbon disulfide	6.744	76	54051	1.279	ppbV #	93
31) Freon 113	6.744	101	35605	1.310	ppbV	97
32) trans-1,2-dichloroethene	7.475	61	24381	1.309	ppbV	97
33) 1,1-dichloroethane	7.700	63	31891	1.317	ppbV	100
34) MTBE	7.767	73	41405	1.301	ppbV	97
35) vinyl acetate	7.883	43	39311M4	1.218	ppbV	
36) 2-butanone	8.133	43	45930	1.340	ppbV	99
37) cis-1,2-dichloroethene	8.633	61	23373	1.293	ppbV	100
38) Ethyl Acetate	8.908	61	5895	1.255	ppbV	60
39) chloroform	8.967	83	32025	1.302	ppbV	99
40) Tetrahydrofuran	9.408	42	25620	1.269	ppbV	98
41) 2,2-dichloropropane	8.992	77	21576	1.241	ppbV	96
42) 1,2-dichloroethane	9.800	62	19276	1.307	ppbV	99
44) hexane	8.892	57	28770	1.329	ppbV	77
45) diisopropyl ether	8.883	87	15076	1.293	ppbV	91
46) tert-butyl ethyl ether	9.492	59	48028	1.275	ppbV	98
48) 1,1,1-trichloroethane	10.083	97	26280	1.245	ppbV	98
49) 1,1-dichloropropene	10.450	75	27079	1.282	ppbV	97
50) benzene	10.603	78	62424	1.287	ppbV	98
51) thiophene	10.750	84	41774	0.937	ppbV	98
52) carbon tetrachloride	10.777	117	22415	1.178	ppbV	97
53) cyclohexane	10.923	56	30481	1.330	ppbV	99
54) tert-amyl methyl ether	11.303	73	47815	1.263	ppbV	99
55) dibromomethane	11.510	93	19686	1.313	ppbV	98
56) 1,2-dichloropropane	11.543	63	21918	1.280	ppbV	98
57) bromodichloromethane	11.770	83	29185	1.216	ppbV	95
58) 1,4-dioxane	11.817	88	11725	1.186	ppbV	99
59) trichloroethene	11.823	130	29733	1.347	ppbV	98
60) 2,2,4-trimethylpentane	11.883	57	94283	1.352	ppbV	99
61) methyl methacrylate	12.077	41	23670	1.217	ppbV	99
62) heptane	12.197	43	44982	1.315	ppbV	99
63) cis-1,3-dichloropropene	12.842	75	26395	1.136	ppbV	98
64) 4-methyl-2-pentanone	12.883	43	52023	1.258	ppbV	98
65) trans-1,3-dichloropropene	13.467	75	18969	1.099	ppbV	94
66) 1,1,2-trichloroethane	13.658	97	25591	1.304	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745955.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:44 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	71106	1.274	ppbV	99
70) 2-methylthiophene	14.067	97	64400	0.935	ppbV	100
71) 1,3-dichloropropane	14.025	76	33485	1.296	ppbV	99
72) 2-hexanone	14.300	43	48179	1.237	ppbV	92
73) 3-methylthiophene	14.267	97	68196	0.935	ppbV	99
74) dibromochloromethane	14.450	129	28729	1.154	ppbV	98
75) 1,2-dibromoethane	14.708	107	35248	1.273	ppbV	99
76) butyl acetate	14.967	73	7234	1.114	ppbV	97
77) octane	15.058	85	25022	1.293	ppbV	99
78) tetrachloroethene	15.183	166	30062	1.340	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.817	131	23541	1.190	ppbV	98
80) chlorobenzene	15.833	112	59861	1.294	ppbV	100
81) ethylbenzene	16.192	91	93146	1.285	ppbV	100
82) 2-ethylthiophene	16.225	97	74762	0.923	ppbV	97
83) m+p-xylene	16.358	91	148757	2.583	ppbV	95
84) bromoform	16.417	173	20577	1.051	ppbV	99
85) styrene	16.683	104	56526	1.193	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.775	83	51078	1.223	ppbV	97
87) o-xylene	16.783	91	75644	1.315	ppbV	94
88) 1,2,3-trichloropropane	16.892	75	39793	1.272	ppbV	97
89) nonane	16.992	43	67951	1.262	ppbV	97
91) isopropylbenzene	17.300	105	94806	1.284	ppbV	99
92) bromobenzene	17.375	77	51935	1.294	ppbV	99
93) 2-chlorotoluene	17.708	126	29327	1.276	ppbV	98
94) n-propylbenzene	17.742	120	31301	1.290	ppbV	93
95) 4-chlorotoluene	17.775	126	29516	1.309	ppbV	96
96) 4-ethyl toluene	17.867	105	98837	1.281	ppbV	97
97) 1,3,5-trimethylbenzene	17.933	105	83183	1.255	ppbV	99
98) tert-butylbenzene	18.275	119	92259	1.363	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	83618	1.232	ppbV	92
100) decane	18.367	57	68034	1.337	ppbV	96
101) Benzyl Chloride	18.400	91	29289	0.900	ppbV	97
102) 1,3-dichlorobenzene	18.408	146	55318	1.256	ppbV	100
103) 1,4-dichlorobenzene	18.467	146	55224	1.254	ppbV	99
104) sec-butylbenzene	18.500	105	121527	1.266	ppbV	98
105) 1,2,3-trimethylbenzene	18.633	105	84489	1.372	ppbV	97
106) p-isopropyltoluene	18.633	119	114006	1.374	ppbV	100
107) 1,2-dichlorobenzene	18.750	146	53663	1.278	ppbV	98
108) n-butylbenzene	18.975	91	93296	1.330	ppbV	99
109) indan	18.800	117	83365	1.306	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745955.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:44 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

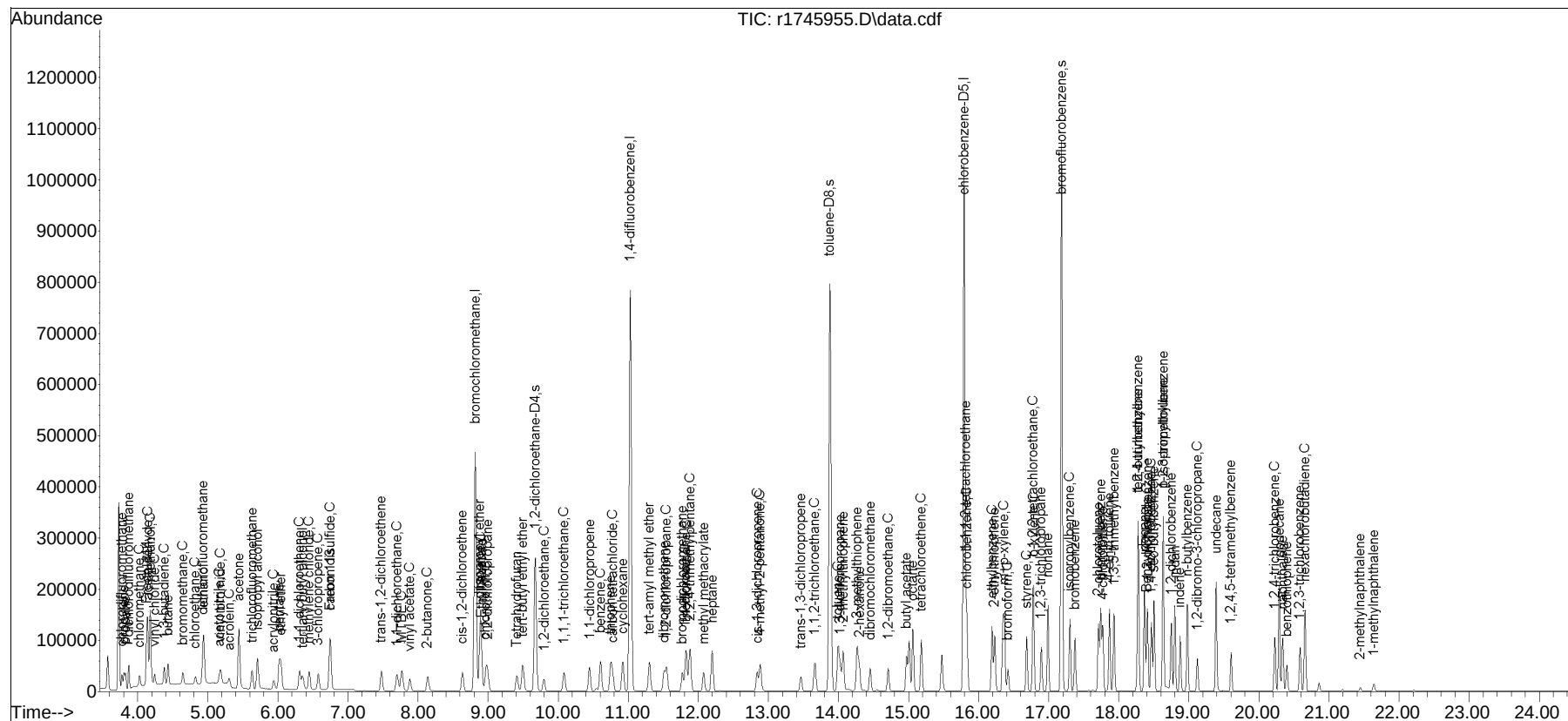
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.875	115	52559	1.232	ppbV	97
111)	1,2-dibromo-3-chloropr...	19.125	75	16134	1.029	ppbV #	87
112)	undecane	19.392	57	73797	1.326	ppbV	94
113)	1,2,4,5-tetramethylben...	19.600	119	41481	1.326	ppbV	95
114)	dodecane	20.292	57	70122	1.218	ppbV	96
115)	1,2,4-trichlorobenzene	20.225	180	32928	1.094	ppbV	100
116)	naphthalene	20.342	128	98225	1.140	ppbV	100
117)	1,2,3-trichlorobenzene	20.583	180	30400	1.110	ppbV	100
118)	benzothiophene	20.400	134	43949	1.034	ppbV	99
119)	hexachlorobutadiene	20.658	225	34103	1.315	ppbV	94
120)	2-methylnaphthalene	21.442	142	5028	0.759	ppbV	94
121)	1-methylnaphthalene	21.642	142	10191	0.863	ppbV	98

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

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Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745955.D
Acq On    : 21 Dec 2024    4:58 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD1.0
Misc      : WG2012830
ALS Vial  : 0    Sample Multiplier: 1
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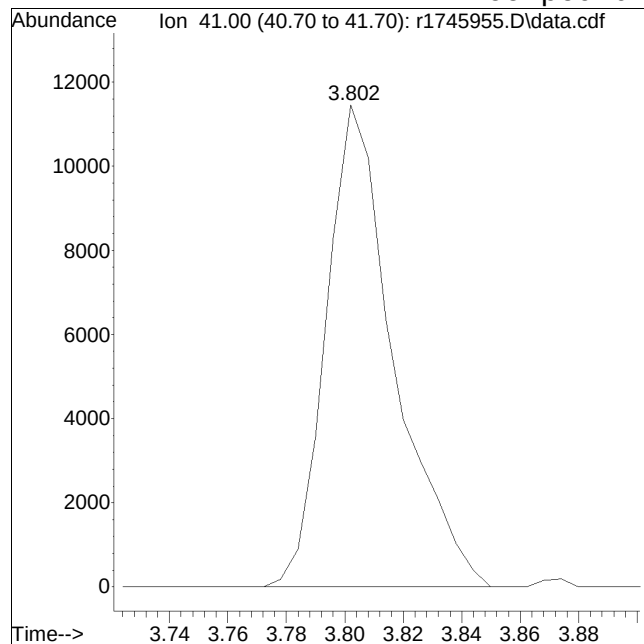
Quant Time: Dec 21 08:35:44 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

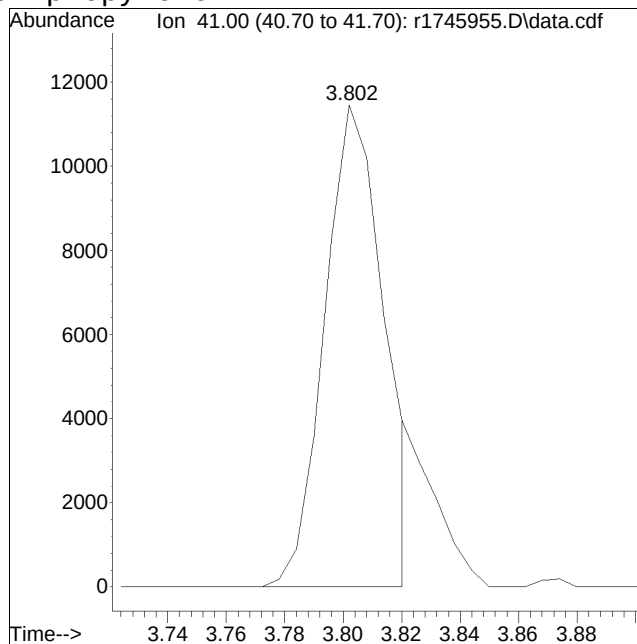
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Data File : r1745955.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:58 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 12/21/2024 8:35 am

Compound #3: propylene



Original Peak Response = 18518

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

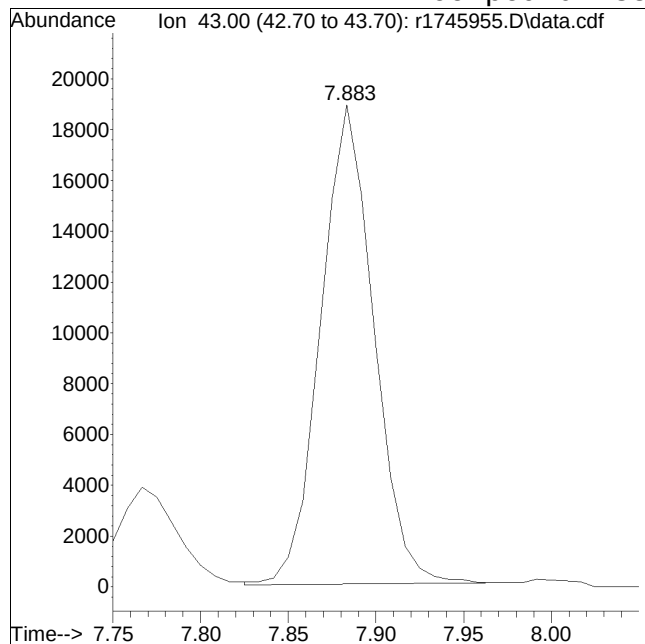


Manual Peak Response = 16188 M6

Manual Integration Report

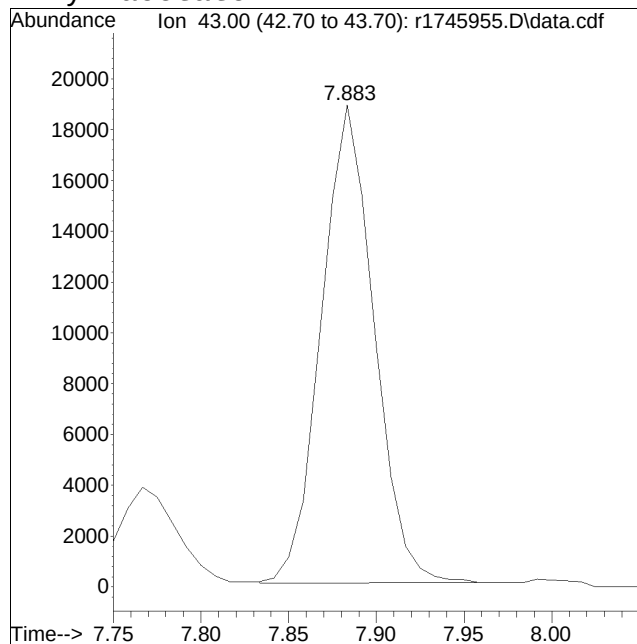
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Data File : r1745955.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:58 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 12/21/2024 8:35 am

Compound #35: vinyl acetate



Original Peak Response = 39679

M4 = Poor automated baseline construction.



Manual Peak Response = 39311 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745956.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:54 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	296135	10.000	ppbV	0.00
Standard Area = 299618			Recovery =		98.84%	
43) 1,4-difluorobenzene	11.030	114	804214	10.000	ppbV	0.00
Standard Area = 812080			Recovery =		99.03%	
67) chlorobenzene-D5	15.792	54	110053	10.000	ppbV	0.00
Standard Area = 111496			Recovery =		98.71%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	187973	10.337	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		103.37%	
69) toluene-D8	13.875	98	675132	10.231	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		102.31%	
90) bromofluorobenzene	17.175	95	476244	10.254	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		102.54%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.778	51	100834	4.702	ppbV	99
3) propylene	3.802	41	60749M6	5.118	ppbV	
4) propane	3.826	29	70630	4.898	ppbV	99
5) dichlorodifluoromethane	3.874	85	134225	4.991	ppbV	98
6) chloromethane	4.030	50	71979	4.961	ppbV	100
7) Freon-114	4.132	85	161194	5.037	ppbV	99
8) methanol	4.180	31	206405	24.908	ppbV	97
9) vinyl chloride	4.246	62	65155	5.004	ppbV	99
10) 1,3-butadiene	4.384	54	56343	4.967	ppbV	99
11) butane	4.432	43	105972	5.048	ppbV	99
12) acetaldehyde	4.144	29	192653	24.690	ppbV	98
13) bromomethane	4.648	94	55719	5.014	ppbV	97
14) chloroethane	4.828	64	30306	5.084	ppbV	98
15) ethanol	4.948	31	280873	26.789	ppbV	99
16) dichlorofluoromethane	4.930	67	116310	5.092	ppbV	99
17) vinyl bromide	5.187	106	55088	4.968	ppbV	99
18) acrolein	5.307	56	28154	4.656	ppbV	91
19) acetone	5.443	43	507913	25.351	ppbV	98
20) acetonitrile	5.170	41	56264	5.030	ppbV	99
21) trichlorofluoromethane	5.633	101	118476	4.989	ppbV	99
22) isopropyl alcohol	5.707	45	354054	12.301	ppbV	100
23) acrylonitrile	5.943	53	53693	4.883	ppbV	98
24) pentane	6.023	43	150826	4.976	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745956.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:54 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.043	31	103474	4.940	ppbV	97
26) 1,1-dichloroethene	6.318	61	94751	5.046	ppbV	99
27) tertiary butyl alcohol	6.348	59	100913	4.995	ppbV	98
28) methylene chloride	6.450	49	89304	4.996	ppbV	99
29) 3-chloropropene	6.582	41	101832	5.002	ppbV	99
30) carbon disulfide	6.744	76	207279	4.871	ppbV	98
31) Freon 113	6.750	101	136846	5.002	ppbV	98
32) trans-1,2-dichloroethene	7.483	61	93152	4.969	ppbV	99
33) 1,1-dichloroethane	7.700	63	121366	4.976	ppbV	99
34) MTBE	7.767	73	157280	4.910	ppbV	99
35) vinyl acetate	7.883	43	153127	4.711	ppbV	100
36) 2-butanone	8.133	43	171016	4.956	ppbV	100
37) cis-1,2-dichloroethene	8.633	61	90920	4.997	ppbV	98
38) Ethyl Acetate	8.900	61	22769	4.816	ppbV	79
39) chloroform	8.975	83	122938	4.964	ppbV	99
40) Tetrahydrofuran	9.400	42	99163	4.878	ppbV	100
41) 2,2-dichloropropane	8.992	77	84639	4.835	ppbV	96
42) 1,2-dichloroethane	9.800	62	74311	5.003	ppbV	99
44) hexane	8.892	57	107530	4.959	ppbV	91
45) diisopropyl ether	8.883	87	57728	4.944	ppbV	92
46) tert-butyl ethyl ether	9.492	59	185707	4.922	ppbV	99
48) 1,1,1-trichloroethane	10.083	97	104526	4.945	ppbV	99
49) 1,1-dichloropropene	10.450	75	104182	4.925	ppbV	98
50) benzene	10.603	78	240548	4.953	ppbV	99
51) thiophene	10.750	84	218786	4.898	ppbV	98
52) carbon tetrachloride	10.777	117	91787	4.816	ppbV	99
53) cyclohexane	10.923	56	113844	4.961	ppbV	100
54) tert-amyl methyl ether	11.297	73	185574	4.895	ppbV	100
55) dibromomethane	11.510	93	73713	4.909	ppbV	98
56) 1,2-dichloropropane	11.550	63	85204	4.970	ppbV	99
57) bromodichloromethane	11.777	83	113894	4.738	ppbV	99
58) 1,4-dioxane	11.810	88	46852	4.734	ppbV	99
59) trichloroethene	11.823	130	110051	4.980	ppbV	99
60) 2,2,4-trimethylpentane	11.877	57	347579	4.975	ppbV	99
61) methyl methacrylate	12.070	41	94306	4.843	ppbV	99
62) heptane	12.197	43	170100	4.964	ppbV	100
63) cis-1,3-dichloropropene	12.842	75	110580	4.752	ppbV	99
64) 4-methyl-2-pentanone	12.875	43	203194	4.905	ppbV	99
65) trans-1,3-dichloropropene	13.458	75	81028	4.688	ppbV	99
66) 1,1,2-trichloroethane	13.658	97	97399	4.956	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745956.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:54 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	279478	4.994	ppbV	97
70) 2-methylthiophene	14.067	97	344286	4.986	ppbV	100
71) 1,3-dichloropropane	14.025	76	127378	4.915	ppbV	97
72) 2-hexanone	14.292	43	192581	4.930	ppbV	95
73) 3-methylthiophene	14.267	97	365290	4.996	ppbV	100
74) dibromochloromethane	14.450	129	118499	4.745	ppbV	98
75) 1,2-dibromoethane	14.708	107	135746	4.889	ppbV	100
76) butyl acetate	14.958	73	30358	4.661	ppbV	100
77) octane	15.058	85	96573	4.978	ppbV	98
78) tetrachloroethene	15.183	166	110875	4.929	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.808	131	97086	4.895	ppbV	98
80) chlorobenzene	15.825	112	229481	4.948	ppbV	100
81) ethylbenzene	16.183	91	360167	4.956	ppbV	99
82) 2-ethylthiophene	16.217	97	399758	4.921	ppbV	99
83) m+p-xylene	16.350	91	571877	9.903	ppbV	99
84) bromoform	16.408	173	88182	4.490	ppbV	99
85) styrene	16.675	104	230335	4.846	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.767	83	203309	4.853	ppbV	98
87) o-xylene	16.775	91	291312	5.050	ppbV	96
88) 1,2,3-trichloropropane	16.883	75	150513	4.796	ppbV	100
89) nonane	16.983	43	265826	4.922	ppbV	99
91) isopropylbenzene	17.292	105	361636	4.883	ppbV	100
92) bromobenzene	17.367	77	196689	4.888	ppbV	98
93) 2-chlorotoluene	17.700	126	113521	4.926	ppbV	97
94) n-propylbenzene	17.733	120	119954	4.928	ppbV	94
95) 4-chlorotoluene	17.758	126	110842	4.900	ppbV	98
96) 4-ethyl toluene	17.858	105	373983	4.834	ppbV	99
97) 1,3,5-trimethylbenzene	17.925	105	322026	4.846	ppbV	99
98) tert-butylbenzene	18.267	119	342312	5.043	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	329888	4.848	ppbV	98
100) decane	18.358	57	256056	5.017	ppbV	98
101) Benzyl Chloride	18.392	91	134630	4.127	ppbV	98
102) 1,3-dichlorobenzene	18.400	146	213542	4.835	ppbV	98
103) 1,4-dichlorobenzene	18.458	146	208955	4.733	ppbV	98
104) sec-butylbenzene	18.500	105	469442	4.875	ppbV	100
105) 1,2,3-trimethylbenzene	18.633	105	299328	4.847	ppbV	98
106) p-isopropyltoluene	18.633	119	406349	4.882	ppbV	99
107) 1,2-dichlorobenzene	18.750	146	201510	4.785	ppbV	99
108) n-butylbenzene	18.983	91	358292	5.094	ppbV	96
109) indan	18.800	117	323488	5.051	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745956.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:35:54 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

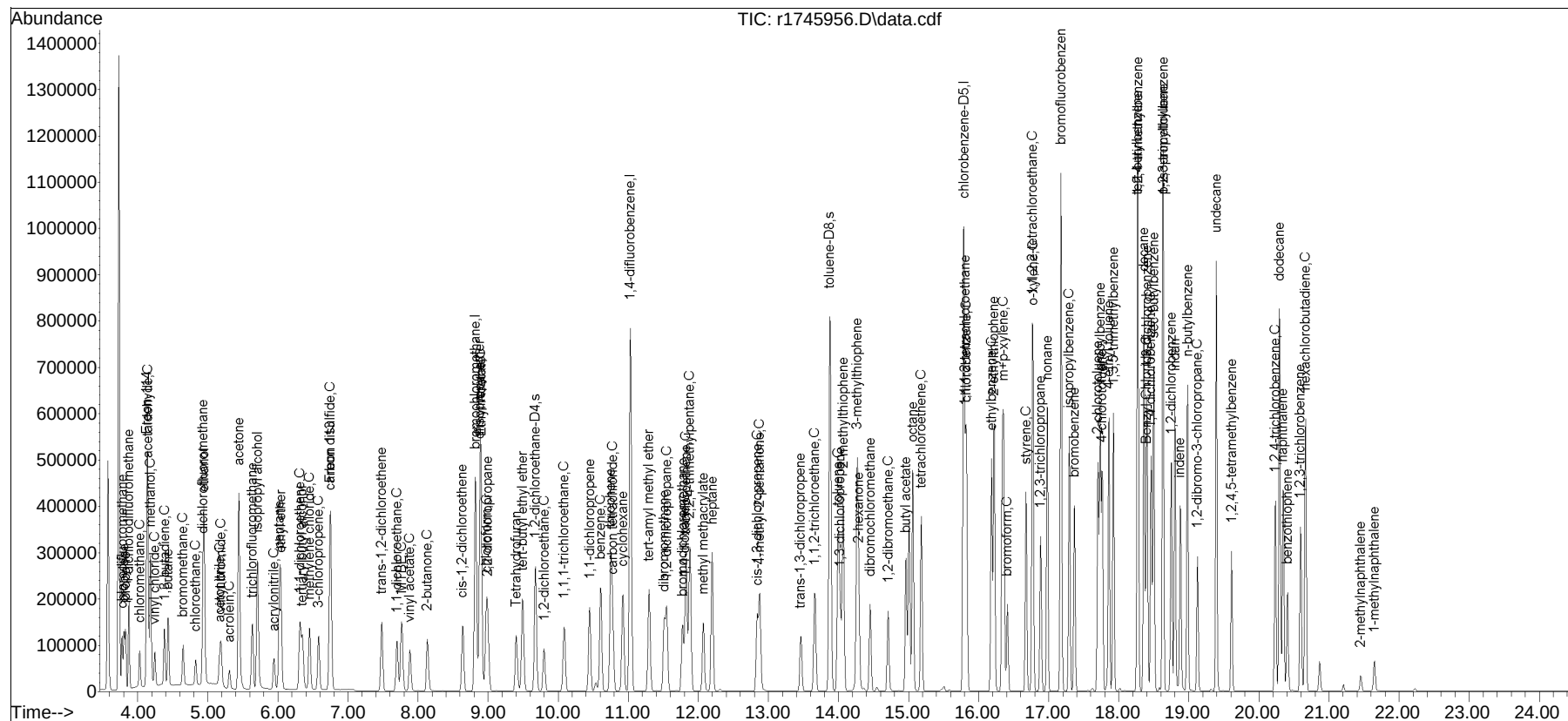
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.875	115	212789	4.972	ppbV	96
111) 1,2-dibromo-3-chloropr...	19.125	75	70087	4.459	ppbV	94
112) undecane	19.392	57	279359	5.007	ppbV	97
113) 1,2,4,5-tetramethylben...	19.608	119	153867	4.905	ppbV	99
114) dodecane	20.292	57	278815	4.830	ppbV	98
115) 1,2,4-trichlorobenzene	20.233	180	133285	4.417	ppbV	98
116) naphthalene	20.342	128	402474	4.659	ppbV	99
117) 1,2,3-trichlorobenzene	20.592	180	123034	4.478	ppbV	99
118) benzothiophene	20.408	134	183952	4.317	ppbV	100
119) hexachlorobutadiene	20.667	225	127839	4.915	ppbV	94
120) 2-methylnaphthalene	21.450	142	21497	3.235	ppbV	99
121) 1-methylnaphthalene	21.650	142	42013	3.548	ppbV	99

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745956.D
Acq On    : 21 Dec 2024    5:37 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD5.0
Misc      : WG2012830
ALS Vial  : 0    Sample Multiplier: 1
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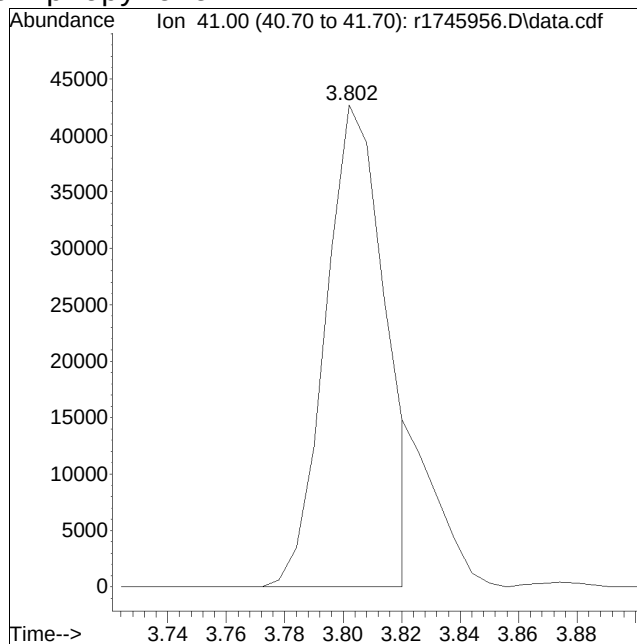
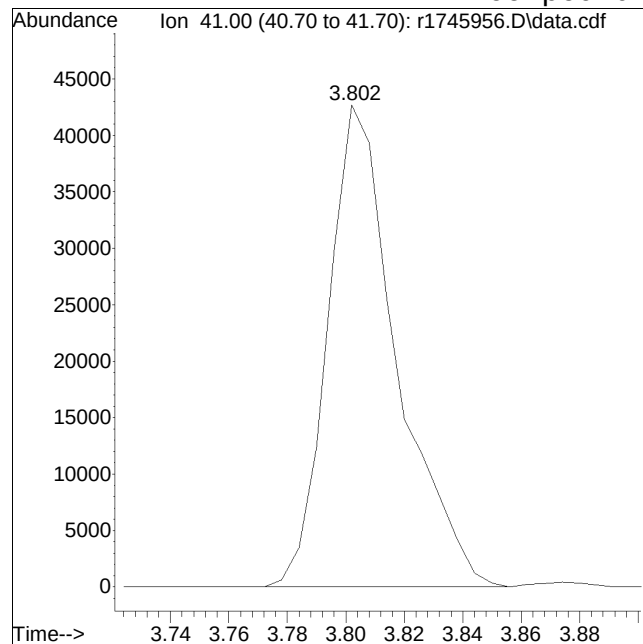
Quant Time: Dec 21 08:35:54 2024
Quant Method : X:\AirLab\Data\AirLab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745956.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:35 am

Compound #3: propylene



Original Peak Response = 69992

Manual Peak Response = 60749 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745957.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 07:56:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 10:34:28 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	299618	10.000	ppbV	0.07
Standard Area = 299618			Recovery =	100.00%		
43) 1,4-difluorobenzene	11.030	114	812080	10.000	ppbV	0.07
Standard Area = 812080			Recovery =	100.00%		
67) chlorobenzene-D5	15.792	54	111496	10.000	ppbV	0.06
Standard Area = 111496			Recovery =	100.00%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	183625	8.813	ppbV	0.08
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.13%		
69) toluene-D8	13.875	98	668515	9.961	ppbV	0.07
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.61%		
90) bromofluorobenzene	17.183	95	470554	10.234	ppbV	0.05
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.34%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	216970	8.732	ppbV #	90
3) propylene	3.796	41	120096M6	6.859	ppbV	
4) propane	3.820	29	145891	7.510	ppbV	95
5) dichlorodifluoromethane	3.868	85	272104	7.649	ppbV	99
6) chloromethane	4.024	50	146803	8.884	ppbV	99
7) Freon-114	4.126	85	323791	7.811	ppbV	97
8) methanol	4.180	31	419213	45.463	ppbV	91
9) vinyl chloride	4.240	62	131739	6.370	ppbV	98
10) 1,3-butadiene	4.378	54	114758	8.531	ppbV #	57
11) butane	4.432	43	212395	6.130	ppbV	93
12) acetaldehyde	4.138	29	394740	40.792	ppbV #	83
13) bromomethane	4.642	94	112433	7.166	ppbV	95
14) chloroethane	4.822	64	60314	5.643	ppbV	98
15) ethanol	4.942	31	530390	31.625	ppbV	94
16) dichlorofluoromethane	4.930	67	231106	5.564	ppbV #	99
17) vinyl bromide	5.187	106	112194	6.049	ppbV	98
18) acrolein	5.307	56	61179	6.836	ppbV	93
19) acetone	5.440	43	1013558	35.910	ppbV #	90
20) acetonitrile	5.167	41	113173	4.940	ppbV	97
21) trichlorofluoromethane	5.630	101	240258	6.323	ppbV	98
22) isopropyl alcohol	5.707	45	728001	20.269	ppbV #	96
23) acrylonitrile	5.943	53	111251	7.241	ppbV	97
24) pentane	6.020	43	306644	7.416	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745957.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 07:56:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 10:34:28 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.040	31	211914	5.904	ppbV	# 90
26) 1,1-dichloroethene	6.312	61	189980	5.848	ppbV	# 88
27) tertiary butyl alcohol	6.348	59	204394	4.846	ppbV	# 74
28) methylene chloride	6.450	49	180855	8.645	ppbV	87
29) 3-chloropropene	6.582	41	205972	6.826	ppbV	92
30) carbon disulfide	6.744	76	430529	7.547	ppbV	100
31) Freon 113	6.750	101	276790	6.789	ppbV	98
32) trans-1,2-dichloroethene	7.483	61	189661	5.856	ppbV	87
33) 1,1-dichloroethane	7.700	63	246753	5.848	ppbV	95
34) MTBE	7.758	73	324114	6.430	ppbV	96
35) vinyl acetate	7.883	43	328862	8.345	ppbV	97
36) 2-butanone	8.133	43	349122	7.886	ppbV	# 95
37) cis-1,2-dichloroethene	8.633	61	184093	5.867	ppbV	# 84
38) Ethyl Acetate	8.900	61	47833	5.924	ppbV	# 11
39) chloroform	8.975	83	250557	7.364	ppbV	97
40) Tetrahydrofuran	9.392	42	205670	7.416	ppbV	98
41) 2,2-dichloropropane	8.992	77	177105	6.424	ppbV	92
42) 1,2-dichloroethane	9.792	62	150266	5.770	ppbV	# 90
44) hexane	8.892	57	218937	7.636	ppbV	# 59
45) diisopropyl ether	8.883	87	117903	8.025	ppbV	# 59
46) tert-butyl ethyl ether	9.492	59	381019	6.531	ppbV	94
48) 1,1,1-trichloroethane	10.083	97	213460	7.695	ppbV	95
49) 1,1-dichloropropene	10.450	75	213606	8.825	ppbV	89
50) benzene	10.603	78	490412	9.067	ppbV	99
51) thiophene	10.750	84	451047	10.921	ppbV	# 87
52) carbon tetrachloride	10.777	117	192451	7.725	ppbV	97
53) cyclohexane	10.923	56	231730	7.779	ppbV	89
54) tert-amyl methyl ether	11.297	73	382824	7.524	ppbV	96
55) dibromomethane	11.510	93	151629	8.349	ppbV	95
56) 1,2-dichloropropane	11.543	63	173106	7.236	ppbV	98
57) bromodichloromethane	11.770	83	242746	8.684	ppbV	100
58) 1,4-dioxane	11.803	88	99935	8.701	ppbV	90
59) trichloroethene	11.823	130	223162	9.028	ppbV	98
60) 2,2,4-trimethylpentane	11.877	57	705451	7.569	ppbV	92
61) methyl methacrylate	12.070	41	196628	8.527	ppbV	94
62) heptane	12.197	43	345984	9.697	ppbV	# 82
63) cis-1,3-dichloropropene	12.842	75	234978	8.428	ppbV	94
64) 4-methyl-2-pentanone	12.875	43	418323	9.701	ppbV	# 83
65) trans-1,3-dichloropropene	13.458	75	174544	8.167	ppbV	93
66) 1,1,2-trichloroethane	13.658	97	198465	8.444	ppbV	92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745957.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 07:56:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 10:34:28 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	566946	8.765	ppbV	99
70) 2-methylthiophene	14.067	97	699492	10.962	ppbV #	99
71) 1,3-dichloropropane	14.025	76	262575	9.511	ppbV	97
72) 2-hexanone	14.283	43	395774	10.501	ppbV #	81
73) 3-methylthiophene	14.267	97	740743M3	10.962	ppbV	
74) dibromochloromethane	14.450	129	252983	8.848	ppbV	97
75) 1,2-dibromoethane	14.708	107	281280	8.846	ppbV	97
76) butyl acetate	14.958	73	65990	9.521	ppbV #	77
77) octane	15.058	85	196549	8.943	ppbV	80
78) tetrachloroethene	15.183	166	227912	9.112	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.817	131	200922	8.611	ppbV	95
80) chlorobenzene	15.833	112	469863	9.086	ppbV	96
81) ethylbenzene	16.192	91	736211	8.699	ppbV	99
82) 2-ethylthiophene	16.225	97	823006	10.994	ppbV #	95
83) m+p-xylene	16.358	91	1170144	17.462	ppbV	97
84) bromoform	16.417	173	198986	8.666	ppbV	98
85) styrene	16.683	104	481558	8.677	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.775	83	424454	9.504	ppbV	97
87) o-xylene	16.775	91	584452	8.716	ppbV	95
88) 1,2,3-trichloropropane	16.892	75	317921	9.569	ppbV	95
89) nonane	16.983	43	547150	10.597	ppbV #	73
91) isopropylbenzene	17.300	105	750385	8.579	ppbV	99
92) bromobenzene	17.375	77	407649	9.395	ppbV	94
93) 2-chlorotoluene	17.708	126	233467	9.185	ppbV	94
94) n-propylbenzene	17.742	120	246592	8.813	ppbV	100
95) 4-chlorotoluene	17.767	126	229167M3	9.222	ppbV	
96) 4-ethyl toluene	17.867	105	783865	8.755	ppbV	99
97) 1,3,5-trimethylbenzene	17.925	105	673272	8.770	ppbV	96
98) tert-butylbenzene	18.275	119	687665	8.694	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	689433	9.125	ppbV	99
100) decane	18.358	57	517102	7.877	ppbV #	66
101) Benzyl Chloride	18.392	91	330511	6.918	ppbV	95
102) 1,3-dichlorobenzene	18.408	146	447468	9.450	ppbV	96
103) 1,4-dichlorobenzene	18.467	146	447293M3	9.501	ppbV	
104) sec-butylbenzene	18.500	105	975606	8.836	ppbV	98
105) 1,2,3-trimethylbenzene	18.633	105	625629	8.840	ppbV	97
106) p-isopropyltoluene	18.633	119	843333	8.946	ppbV	100
107) 1,2-dichlorobenzene	18.750	146	426608	9.255	ppbV	96
108) n-butylbenzene	18.975	91	712560	8.572	ppbV	95
109) indan	18.800	117	648778	8.887	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745957.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 07:56:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 10:34:28 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.875	115	433547	9.370	ppbV	98
111) 1,2-dibromo-3-chloropr...	19.117	75	159238	9.179	ppbV	91
112) undecane	19.383	57	565303	8.449	ppbV #	77
113) 1,2,4,5-tetramethylben...	19.600	119	317838	8.572	ppbV	96
114) dodecane	20.283	57	584791	9.311	ppbV #	72
115) 1,2,4-trichlorobenzene	20.225	180	305677	9.848	ppbV	95
116) naphthalene	20.333	128	875219	10.069	ppbV	98
117) 1,2,3-trichlorobenzene	20.583	180	278325	10.072	ppbV	99
118) benzothiophene	20.400	134	431723	11.368	ppbV	98
119) hexachlorobutadiene	20.650	225	263517	9.290	ppbV	97
120) 2-methylnaphthalene	21.442	142	67317	10.073	ppbV	98
121) 1-methylnaphthalene	21.633	142	119961	8.280	ppbV	99

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

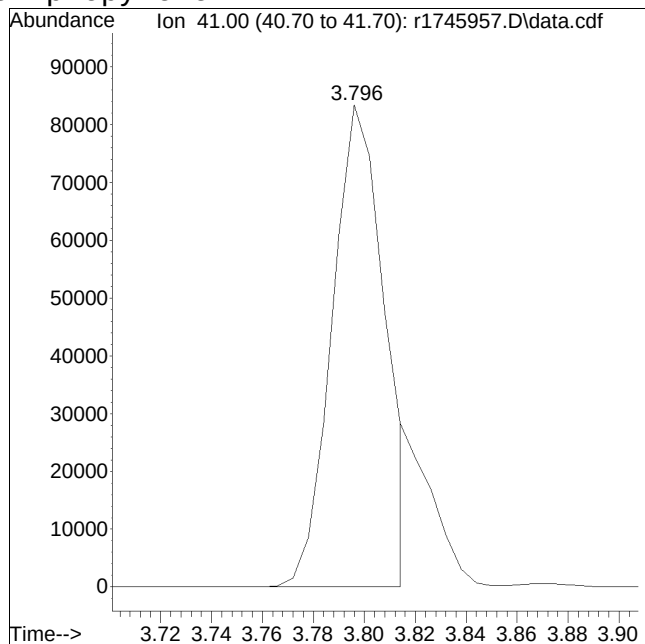
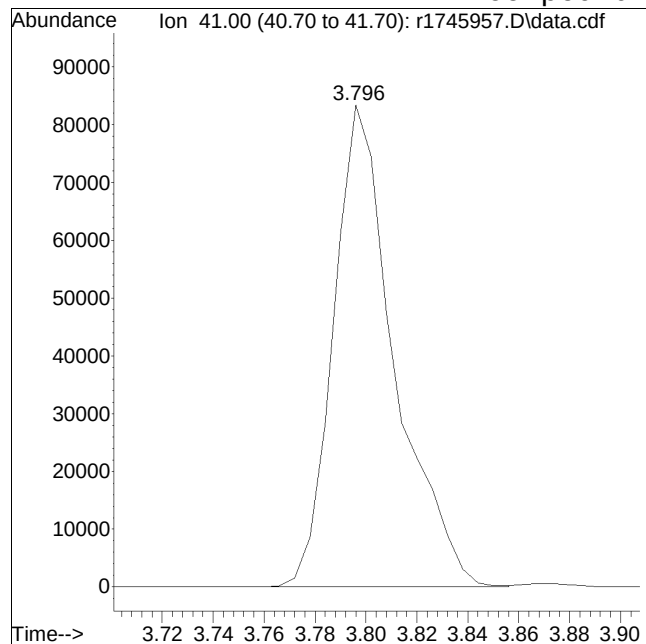
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Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745957.D
Acq On    : 21 Dec 2024    6:18 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD010
Misc      : WG2012830
ALS Vial  : 0    Sample Multiplier: 1
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[illegible]

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745957.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:18 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 12/21/2024 7:56 am

Compound #3: propylene



Original Peak Response = 139050

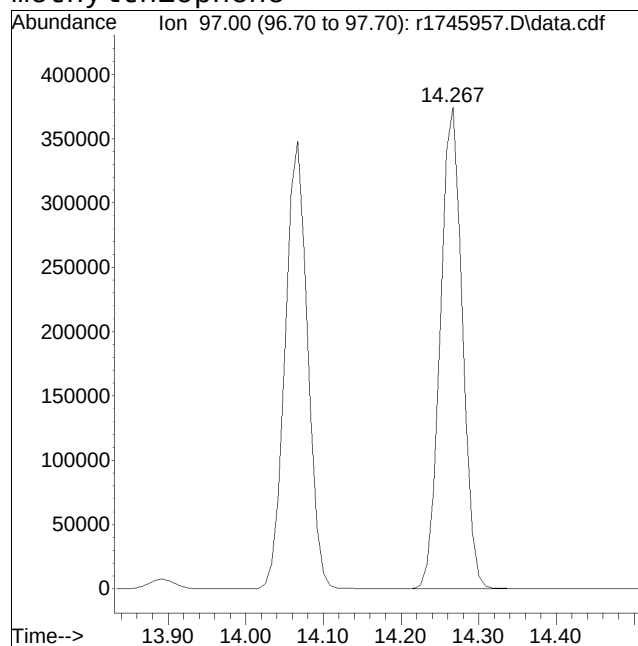
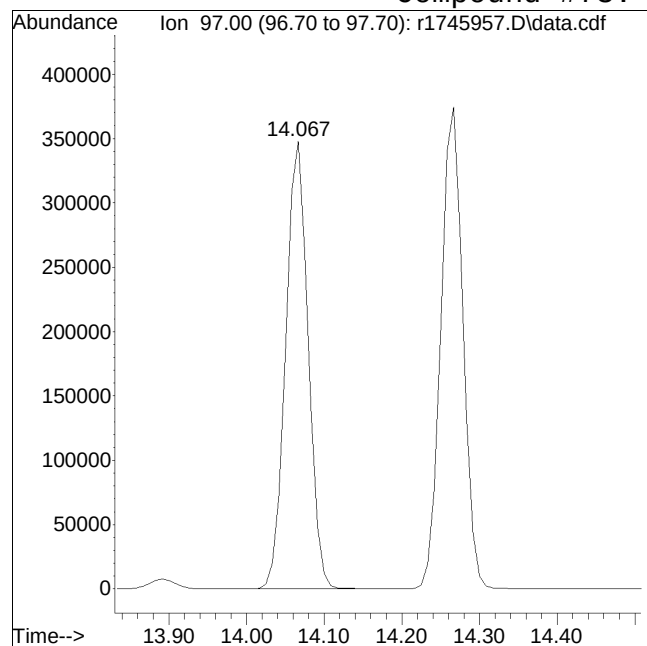
Manual Peak Response = 120096 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1745957.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:18 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 12/21/2024 7:56 am

Compound #73: 3-methylthiophene



Original Peak Response = 699492

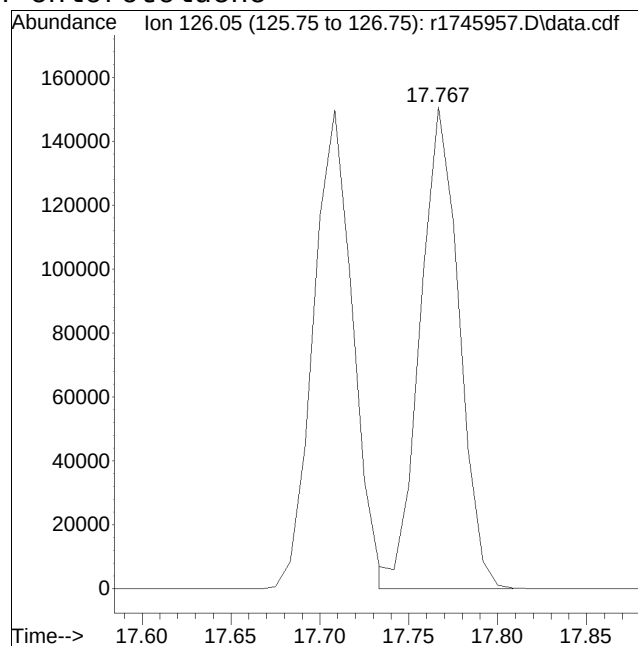
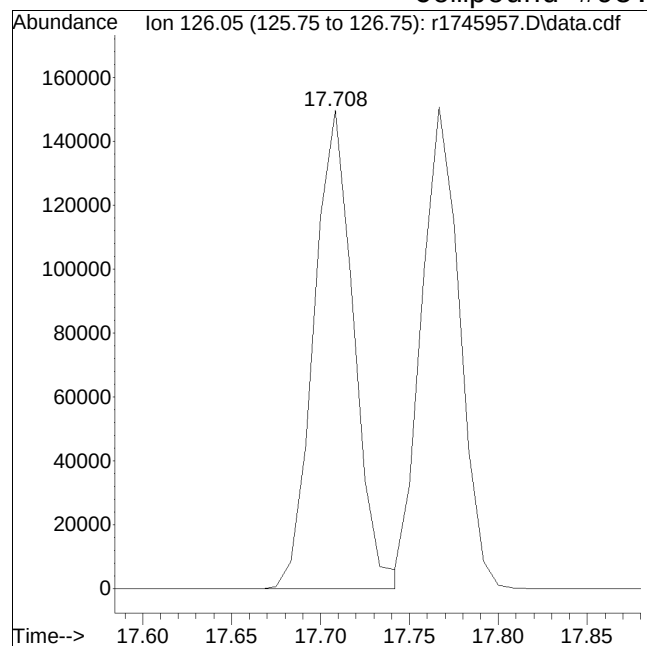
Manual Peak Response = 740743 M3

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\Airlab17\200Method : TFS17_241220.M
Data File : r1745957.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:18 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 12/21/2024 7:56 am

Compound #95: 4-chlorotoluene



Original Peak Response = 233467

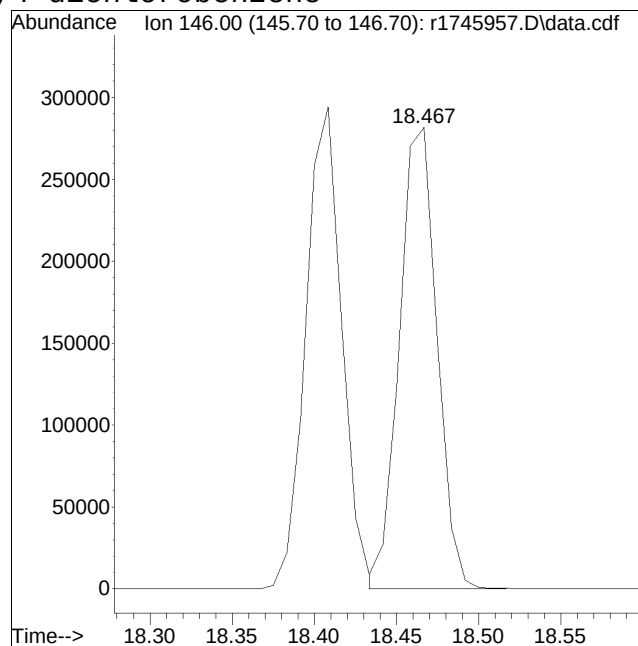
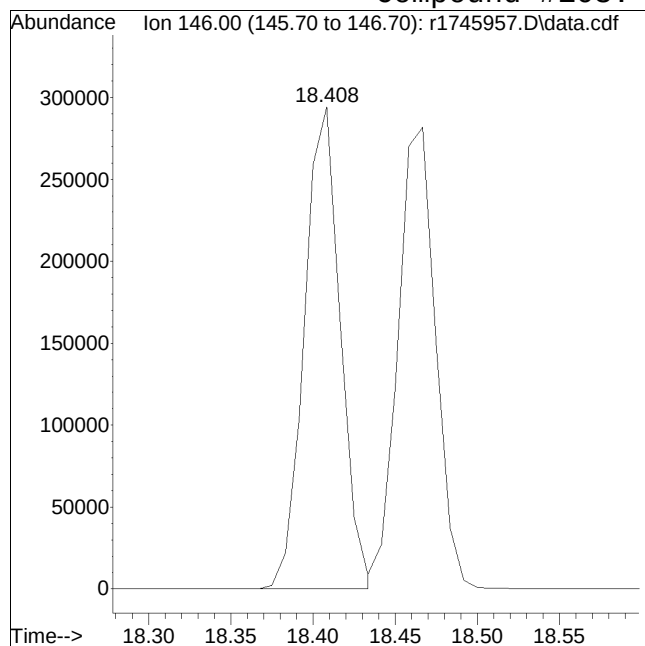
Manual Peak Response = 229167 M3

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\AirLab17\200Method : TFS17_241220.M
Data File : r1745957.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:18 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 12/21/2024 7:56 am

Compound #103: 1,4-dichlorobenzene



Original Peak Response = 447468

Manual Peak Response = 447293 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\Airlab17\2024\12\1220T_I\
 Data File : r1745958.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:04 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	307808	10.000	ppbV	0.00
Standard Area = 299618			Recovery = 102.73%			
43) 1,4-difluorobenzene	11.030	114	824577	10.000	ppbV	0.00
Standard Area = 812080			Recovery = 101.54%			
67) chlorobenzene-D5	15.792	54	112369	10.000	ppbV	0.00
Standard Area = 111496			Recovery = 100.78%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	190457	10.215	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%			
69) toluene-D8	13.875	98	699579	10.383	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.83%			
90) bromofluorobenzene	17.183	95	478778	10.096	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.96%			
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	529138	23.739	ppbV	97
3) propylene	3.802	41	291627M6	23.637	ppbV	
4) propane	3.826	29	373415	24.914	ppbV	92
5) dichlorodifluoromethane	3.874	85	641303	22.941	ppbV	99
6) chloromethane	4.030	50	332384	22.039	ppbV	99
7) Freon-114	4.126	85	733857	22.061	ppbV	97
8) methanol	4.180	31	764541	88.761	ppbV	99
9) vinyl chloride	4.240	62	320799	23.703	ppbV	99
10) 1,3-butadiene	4.378	54	290879	24.673	ppbV	95
11) butane	4.432	43	492565	22.574	ppbV	99
12) acetaldehyde	4.144	29	977554	120.528	ppbV	93
13) bromomethane	4.648	94	275911	23.887	ppbV	97
14) chloroethane	4.822	64	151302	24.418	ppbV	98
15) ethanol	4.948	31	1190703	109.261	ppbV	98
16) dichlorofluoromethane	4.930	67	575947	24.258	ppbV	100
17) vinyl bromide	5.187	106	287788	24.968	ppbV	100
18) acrolein	5.307	56	156826	24.952	ppbV	100
19) acetone	5.440	43	2452709	117.776	ppbV	98
20) acetonitrile	5.167	41	280650	24.138	ppbV	99
21) trichlorofluoromethane	5.633	101	596820	24.180	ppbV	98
22) isopropyl alcohol	5.707	45	1622751	54.244	ppbV	100
23) acrylonitrile	5.943	53	291709	25.523	ppbV	98
24) pentane	6.020	43	759111	24.097	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745958.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:04 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.040	31	559222	25.687	ppbV	97
26) 1,1-dichloroethene	6.312	61	476015	24.389	ppbV	100
27) tertiary butyl alcohol	6.348	59	554251	26.395	ppbV	98
28) methylene chloride	6.450	49	464609	25.006	ppbV	100
29) 3-chloropropene	6.582	41	534377	25.254	ppbV	99
30) carbon disulfide	6.744	76	1136115	25.687	ppbV	99
31) Freon 113	6.744	101	693468	24.387	ppbV	97
32) trans-1,2-dichloroethene	7.483	61	491298	25.215	ppbV	99
33) 1,1-dichloroethane	7.700	63	620861	24.492	ppbV	98
34) MTBE	7.758	73	855882	25.704	ppbV	100
35) vinyl acetate	7.883	43	861426	25.497	ppbV	99
36) 2-butanone	8.125	43	899982	25.093	ppbV	99
37) cis-1,2-dichloroethene	8.633	61	461553	24.405	ppbV	98
38) Ethyl Acetate	8.900	61	122878	25.005	ppbV	84
39) chloroform	8.975	83	632659	24.578	ppbV	100
40) Tetrahydrofuran	9.392	42	534210	25.283	ppbV	99
41) 2,2-dichloropropane	8.992	77	469671	25.814	ppbV	95
42) 1,2-dichloroethane	9.792	62	369508	23.936	ppbV	98
44) hexane	8.892	57	571368	25.702	ppbV	97
45) diisopropyl ether	8.883	87	302065	25.232	ppbV	99
46) tert-butyl ethyl ether	9.483	59	973290	25.157	ppbV	98
48) 1,1,1-trichloroethane	10.083	97	548528	25.308	ppbV	99
49) 1,1-dichloropropene	10.443	75	557916	25.723	ppbV	97
50) benzene	10.603	78	1255176	25.206	ppbV	99
51) thiophene	10.750	84	861638	18.814	ppbV	99
52) carbon tetrachloride	10.777	117	515239	26.367	ppbV	97
53) cyclohexane	10.923	56	607634	25.824	ppbV	100
54) tert-amyl methyl ether	11.290	73	1006738	25.899	ppbV	98
55) dibromomethane	11.510	93	379527	24.651	ppbV	98
56) 1,2-dichloropropane	11.543	63	432426	24.602	ppbV	100
57) bromodichloromethane	11.770	83	643780	26.119	ppbV	99
58) 1,4-dioxane	11.803	88	272240	26.829	ppbV	100
59) trichloroethene	11.823	130	552515	24.383	ppbV	100
60) 2,2,4-trimethylpentane	11.877	57	1820805	25.419	ppbV	100
61) methyl methacrylate	12.063	41	512206	25.655	ppbV	98
62) heptane	12.197	43	891338	25.372	ppbV	99
63) cis-1,3-dichloropropene	12.833	75	634890	26.610	ppbV	95
64) 4-methyl-2-pentanone	12.867	43	1100956	25.919	ppbV	99
65) trans-1,3-dichloropropene	13.458	75	477478	26.941	ppbV	98
66) 1,1,2-trichloroethane	13.658	97	496661	24.646	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745958.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:04 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	1386920	24.273	ppbV	99
70) 2-methylthiophene	14.067	97	1272193	18.046	ppbV	100
71) 1,3-dichloropropane	14.017	76	684561	25.869	ppbV	95
72) 2-hexanone	14.283	43	1031059	25.849	ppbV	99
73) 3-methylthiophene	14.267	97	1341005	17.963	ppbV	99
74) dibromochloromethane	14.450	129	672605	26.380	ppbV	100
75) 1,2-dibromoethane	14.708	107	728165	25.686	ppbV	98
76) butyl acetate	14.958	73	175387	26.371	ppbV	91
77) octane	15.058	85	502039	25.344	ppbV	97
78) tetrachloroethene	15.183	166	573789	24.980	ppbV	99
79) 1,1,1,2-tetrachloroethane	15.817	131	524913	25.922	ppbV	98
80) chlorobenzene	15.833	112	1205272	25.452	ppbV	99
81) ethylbenzene	16.192	91	1809389	24.386	ppbV	96
82) 2-ethylthiophene	16.225	97	1512347	18.233	ppbV	98
83) m+p-xylene	16.358	91	2844848	48.246	ppbV	96
84) bromoform	16.417	173	547790	27.315	ppbV	99
85) styrene	16.683	104	1257591	25.912	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.775	83	1079769	25.241	ppbV	100
87) o-xylene	16.775	91	1411488	23.963	ppbV	96
88) 1,2,3-trichloropropane	16.892	75	833406	26.011	ppbV	98
89) nonane	16.983	43	1362309	24.705	ppbV	99
91) isopropylbenzene	17.300	105	1939604	25.647	ppbV	99
92) bromobenzene	17.375	77	1064632	25.913	ppbV	97
93) 2-chlorotoluene	17.708	126	580754	24.682	ppbV	99
94) n-propylbenzene	17.733	120	631288	25.402	ppbV	82
95) 4-chlorotoluene	17.767	126	572382	24.783	ppbV	95
96) 4-ethyl toluene	17.858	105	2037711	25.794	ppbV	99
97) 1,3,5-trimethylbenzene	17.925	105	1713631	25.255	ppbV	99
98) tert-butylbenzene	18.275	119	1718254	24.793	ppbV	99
99) 1,2,4-trimethylbenzene	18.275	105	1704979	24.538	ppbV	99
100) decane	18.358	57	1276250	24.489	ppbV	97
101) Benzyl Chloride	18.392	91	971251	29.158	ppbV	100
102) 1,3-dichlorobenzene	18.408	146	1114634	24.716	ppbV	97
103) 1,4-dichlorobenzene	18.458	146	1112494	24.678	ppbV	97
104) sec-butylbenzene	18.500	105	2456591	24.985	ppbV	100
105) 1,2,3-trimethylbenzene	18.625	105	1520401	24.113	ppbV	96
106) p-isopropyltoluene	18.625	119	2045199	24.063	ppbV	99
107) 1,2-dichlorobenzene	18.742	146	1055580	24.551	ppbV	98
108) n-butylbenzene	18.975	91	1720222	23.954	ppbV	99
109) indan	18.800	117	1649647	25.229	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745958.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:04 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

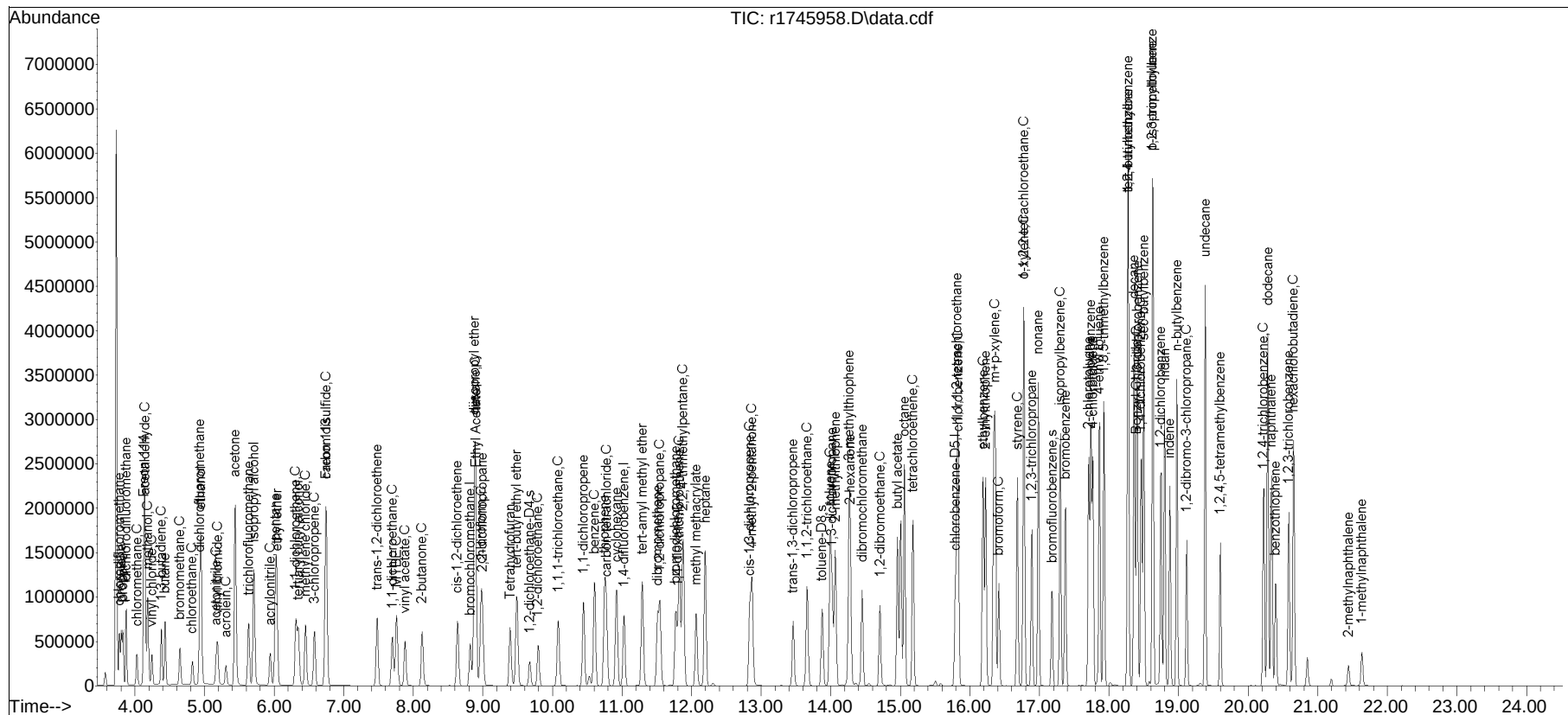
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.875	115	1127924	25.814	ppbV	99
111)	1,2-dibromo-3-chloropr...	19.117	75	427132	26.615	ppbV	95
112)	undecane	19.383	57	1393731	24.463	ppbV	95
113)	1,2,4,5-tetramethylben...	19.600	119	831495	25.958	ppbV	96
114)	dodecane	20.283	57	1357752	23.037	ppbV	95
115)	1,2,4-trichlorobenzene	20.217	180	744543	24.168	ppbV	96
116)	naphthalene	20.333	128	2039537	23.122	ppbV	99
117)	1,2,3-trichlorobenzene	20.583	180	645347	23.007	ppbV	97
118)	benzothiophene	20.392	134	1015032	23.329	ppbV	99
119)	hexachlorobutadiene	20.650	225	619727	23.335	ppbV	99
120)	2-methylnaphthalene	21.442	142	144263	21.264	ppbV	98
121)	1-methylnaphthalene	21.633	142	235525	19.481	ppbV	97

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

Sub List : Default - All compounds listed2\1220T_I\r1745957.D

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745958.D
Acq On : 21 Dec 2024 6:54 AM
Operator : AIRLAB17:BJB
Sample : IT015-SIMSTD020
Misc : WG2012830
ALS Vial : 0 Sample Multiplier: 1

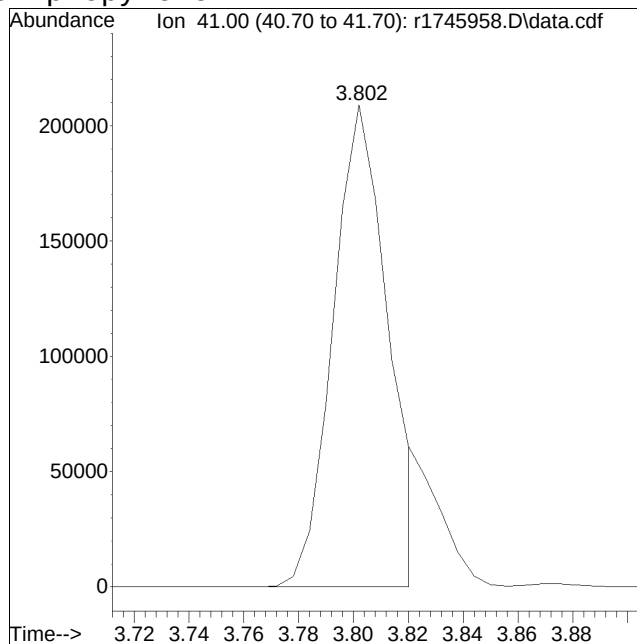
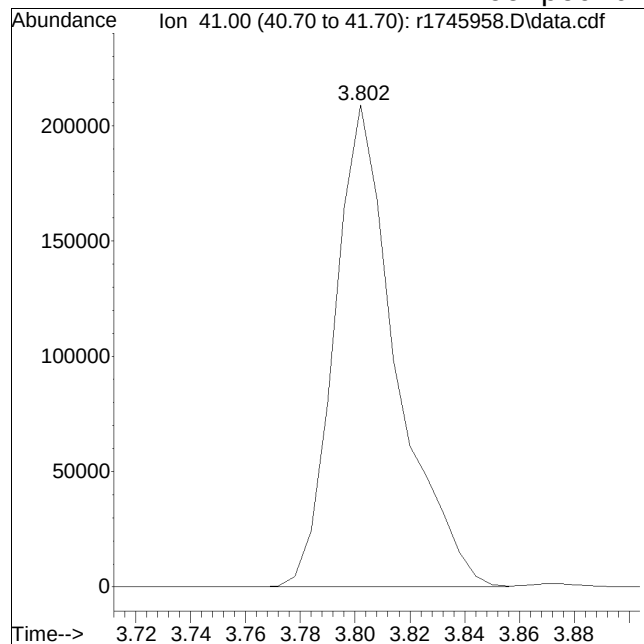
Quant Time: Dec 21 08:36:04 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745958.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:54 AM Instrument :
Sample : IT015-SIMSTD020 Quant Date : 12/21/2024 8:36 am

Compound #3: propylene



Original Peak Response = 328339

Manual Peak Response = 291627 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745959.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:15 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.825	49	318776	10.000	ppbV	0.00
Standard Area = 299618			Recovery =	106.39%		
43) 1,4-difluorobenzene	11.030	114	809170	10.000	ppbV	0.00
Standard Area = 812080			Recovery =	99.64%		
67) chlorobenzene-D5	15.792	54	111108	10.000	ppbV	0.00
Standard Area = 111496			Recovery =	99.65%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	157604	8.614	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.14%		
69) toluene-D8	13.883	98	619769	9.303	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.03%		
90) bromofluorobenzene	17.183	95	435097	9.279	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.79%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.778	51	1281150	55.499	ppbV	96
3) propylene	3.802	41	622541M6	48.722	ppbV	
4) propane	3.826	29	910207	58.640	ppbV #	89
5) dichlorodifluoromethane	3.874	85	1436658	49.625	ppbV	99
6) chloromethane	4.030	50	756421	48.430	ppbV	98
7) Freon-114	4.132	85	1615074	46.882	ppbV	96
8) methanol	4.192	31	1817547	203.753	ppbV	98
9) vinyl chloride	4.246	62	750035	53.512	ppbV	99
10) 1,3-butadiene	4.384	54	650656	53.291	ppbV	98
11) butane	4.438	43	1063778	47.075	ppbV	97
12) acetaldehyde	4.144	29	2106331	250.765	ppbV	92
13) bromomethane	4.648	94	619023	51.748	ppbV	98
14) chloroethane	4.828	64	344976	53.759	ppbV	97
15) ethanol	4.960	31	2616720	231.854	ppbV	92
16) dichlorofluoromethane	4.936	67	1322275	53.777	ppbV	99
17) vinyl bromide	5.193	106	724613	60.704	ppbV	100
18) acrolein	5.313	56	386557	59.387	ppbV	95
19) acetone	5.447	43	4954535	229.724	ppbV #	86
20) acetonitrile	5.177	41	744744	61.851	ppbV	99
21) trichlorofluoromethane	5.637	101	1233889	48.270	ppbV	98
22) isopropyl alcohol	5.717	45	3498112	112.908	ppbV	98
23) acrylonitrile	5.950	53	769329	64.997	ppbV	99
24) pentane	6.027	43	1587733	48.666	ppbV #	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745959.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:15 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.043	31	1640121	72.744	ppbV	90
26) 1,1-dichloroethene	6.318	61	1046138	51.756	ppbV	98
27) tertiary butyl alcohol	6.354	59	1302899	59.914	ppbV	92
28) methylene chloride	6.456	49	1124742	58.453	ppbV	100
29) 3-chloropropene	6.588	41	1137650	51.914	ppbV	95
30) carbon disulfide	6.750	76	2552796	55.731	ppbV	96
31) Freon 113	6.750	101	1467729	49.840	ppbV	93
32) trans-1,2-dichloroethene	7.483	61	1081200	53.581	ppbV	99
33) 1,1-dichloroethane	7.708	63	1336793	50.919	ppbV	98
34) MTBE	7.767	73	1928003	55.910	ppbV	96
35) vinyl acetate	7.883	43	1887951	53.958	ppbV	96
36) 2-butanone	8.133	43	1931283	51.994	ppbV	97
37) cis-1,2-dichloroethene	8.642	61	1016711	51.909	ppbV	99
38) Ethyl Acetate	8.900	61	278819	54.787	ppbV	80
39) chloroform	8.975	83	1487381	55.795	ppbV	97
40) Tetrahydrofuran	9.392	42	1144900	52.321	ppbV	96
41) 2,2-dichloropropane	9.000	77	1096332	58.183	ppbV #	86
42) 1,2-dichloroethane	9.800	62	774800	48.463	ppbV #	93
44) hexane	8.892	57	1356710	62.191	ppbV #	67
45) diisopropyl ether	8.883	87	721891	61.448	ppbV	73
46) tert-butyl ethyl ether	9.492	59	2224221	58.586	ppbV	95
48) 1,1,1-trichloroethane	10.083	97	1161843	54.625	ppbV	97
49) 1,1-dichloropropene	10.450	75	1283238	60.291	ppbV	93
50) benzene	10.610	78	2994816	61.287	ppbV	97
51) thiophene	10.757	84	2059364	45.822	ppbV	97
52) carbon tetrachloride	10.783	117	1173048	61.172	ppbV	99
53) cyclohexane	10.923	56	1477205	63.976	ppbV	95
54) tert-amyl methyl ether	11.297	73	2296181	60.196	ppbV	96
55) dibromomethane	11.517	93	815532	53.978	ppbV	97
56) 1,2-dichloropropane	11.550	63	930989	53.975	ppbV	96
57) bromodichloromethane	11.777	83	1535581	63.486	ppbV	97
58) 1,4-dioxane	11.803	88	635251	63.795	ppbV	100
59) trichloroethene	11.830	130	1203816	54.138	ppbV	100
60) 2,2,4-trimethylpentane	11.883	57	4263244	60.650	ppbV	95
61) methyl methacrylate	12.070	41	1080209	55.134	ppbV	96
62) heptane	12.197	43	1871229	54.279	ppbV	91
63) cis-1,3-dichloropropene	12.842	75	1488434	63.571	ppbV	92
64) 4-methyl-2-pentanone	12.867	43	2311330	55.451	ppbV	92
65) trans-1,3-dichloropropene	13.458	75	1137970	65.431	ppbV	93
66) 1,1,2-trichloroethane	13.667	97	1063479	53.778	ppbV	88

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745959.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:15 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.992	91	3048334	53.955	ppbV	99
70) 2-methylthiophene	14.067	97	2698729	38.716	ppbV	99
71) 1,3-dichloropropane	14.025	76	1577675	60.295	ppbV	88
72) 2-hexanone	14.283	43	2151289	54.546	ppbV	92
73) 3-methylthiophene	14.267	97	2855472	38.683	ppbV	99
74) dibromochloromethane	14.450	129	1499523	59.481	ppbV	98
75) 1,2-dibromoethane	14.708	107	1591280	56.770	ppbV	100
76) butyl acetate	14.958	73	396740	60.331	ppbV	80
77) octane	15.058	85	1183512	60.425	ppbV	82
78) tetrachloroethene	15.183	166	1249873	55.032	ppbV	96
79) 1,1,1,2-tetrachloroethane	15.817	131	1139676	56.920	ppbV	97
80) chlorobenzene	15.833	112	2705798	57.788	ppbV	99
81) ethylbenzene	16.192	91	3885833	52.966	ppbV	94
82) 2-ethylthiophene	16.225	97	3152775	38.442	ppbV	93
83) m+p-xylene	16.358	91	6087992	104.419	ppbV	97
84) bromoform	16.417	173	1260288	63.557	ppbV	99
85) styrene	16.683	104	2709063	56.453	ppbV	95
86) 1,1,2,2-tetrachloroethane	16.775	83	2469357	58.380	ppbV	100
87) o-xylene	16.783	91	3018467	51.826	ppbV	99
88) 1,2,3-trichloropropane	16.892	75	1923814	60.724	ppbV	97
89) nonane	16.983	43	2782290	51.028	ppbV #	87
91) isopropylbenzene	17.300	105	4167478	55.732	ppbV	95
92) bromobenzene	17.375	77	2437844	60.011	ppbV	99
93) 2-chlorotoluene	17.708	126	1290882	55.485	ppbV	92
94) n-propylbenzene	17.742	120	1441877	58.676	ppbV	73
95) 4-chlorotoluene	17.767	126	1257479	55.063	ppbV	89
96) 4-ethyl toluene	17.867	105	4434565	56.771	ppbV	96
97) 1,3,5-trimethylbenzene	17.925	105	3646315	54.347	ppbV	97
98) tert-butylbenzene	18.275	119	3746591	54.673	ppbV	100
99) 1,2,4-trimethylbenzene	18.275	105	3554403	51.735	ppbV	95
100) decane	18.367	57	2912002	56.511	ppbV	85
101) Benzyl Chloride	18.392	91	2403018	72.960	ppbV	98
102) 1,3-dichlorobenzene	18.408	146	2409365	54.032	ppbV	96
103) 1,4-dichlorobenzene	18.467	146	2429188	54.498	ppbV	97
104) sec-butylbenzene	18.500	105	5149879	52.971	ppbV	96
105) 1,2,3-trimethylbenzene	18.633	105	3162728	50.729	ppbV	97
106) p-isopropyltoluene	18.633	119	4385228	52.180	ppbV	95
107) 1,2-dichlorobenzene	18.750	146	2260016	53.161	ppbV	97
108) n-butylbenzene	18.975	91	3857332	54.322	ppbV	97
109) indan	18.800	117	3672005	56.796	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745959.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:15 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

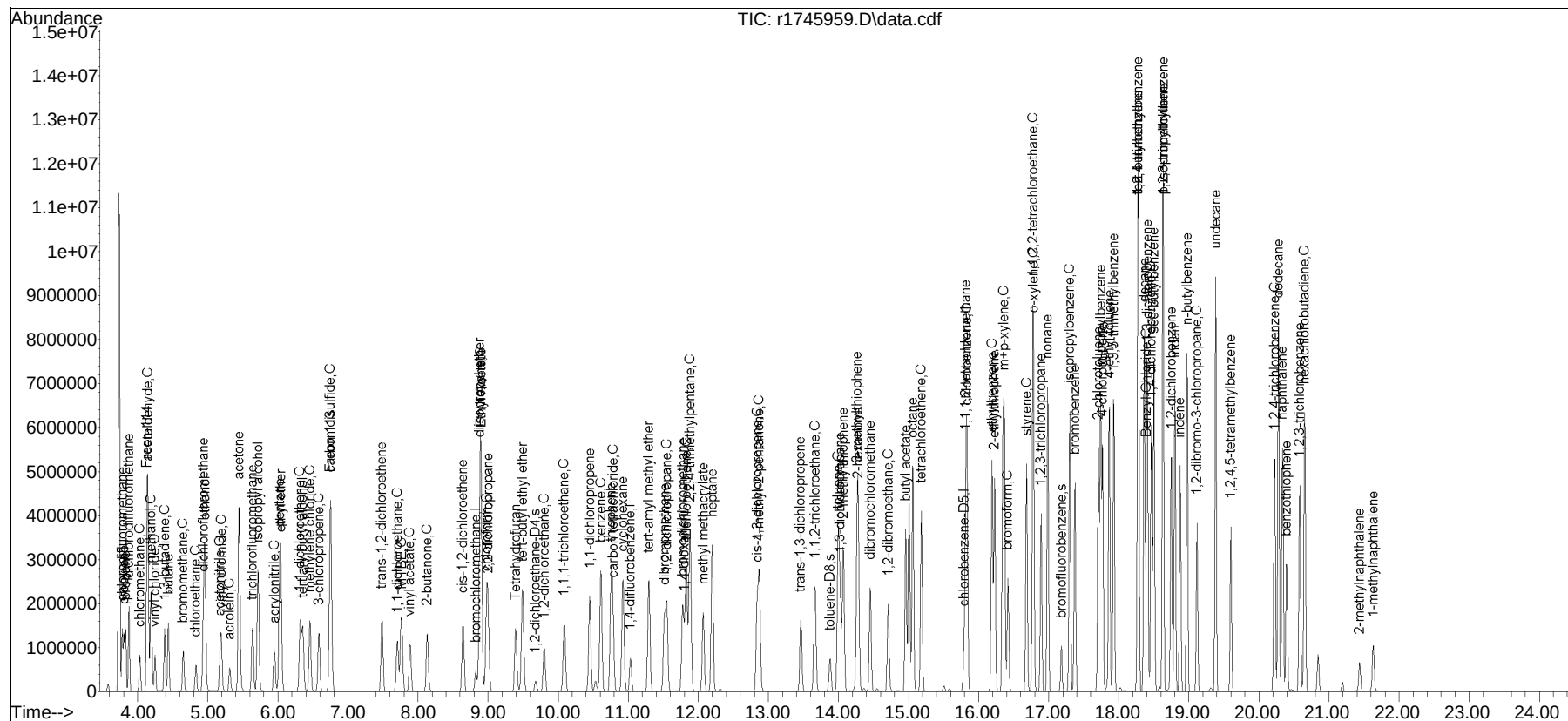
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.875	115	2588006	59.902	ppbV	99
111)	1,2-dibromo-3-chloropr...	19.117	75	984060	62.014	ppbV	94
112)	undecane	19.383	57	3103623	55.094	ppbV	85
113)	1,2,4,5-tetramethylben...	19.600	119	1968177	62.140	ppbV	96
114)	dodecane	20.275	57	3093076	53.077	ppbV	83
115)	1,2,4-trichlorobenzene	20.225	180	1810101	59.423	ppbV	99
116)	naphthalene	20.333	128	4819075	55.254	ppbV	99
117)	1,2,3-trichlorobenzene	20.583	180	1588193	57.262	ppbV	98
118)	benzothiophene	20.392	134	2490382	57.886	ppbV	99
119)	hexachlorobutadiene	20.650	225	1455346	55.421	ppbV	99
120)	2-methylnaphthalene	21.433	142	414515	61.792	ppbV	97
121)	1-methylnaphthalene	21.633	142	654237	54.728	ppbV	96

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

Sub List : Default - All compounds listed2\1220T_I\r1745957.D

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745959.D
Acq On : 21 Dec 2024 7:33 AM
Operator : AIRLAB17:BJB
Sample : IT015-SIMSTD050
Misc : WG2012830
ALS Vial : 0 Sample Multiplier: 1

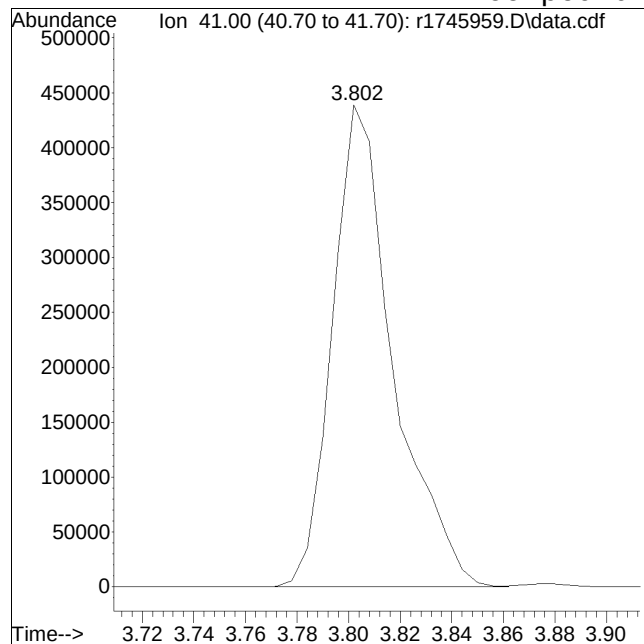
Quant Time: Dec 21 08:36:15 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

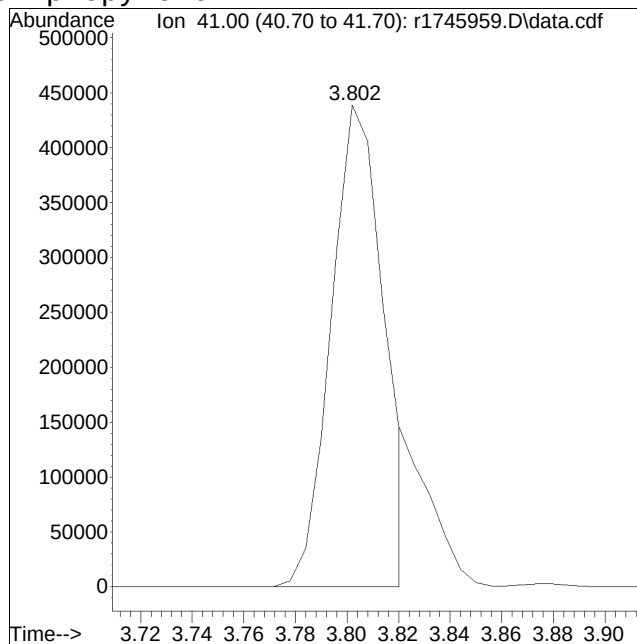
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745959.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 7:33 AM Instrument :
Sample : IT015-SIMSTD050 Quant Date : 12/21/2024 8:36 am

Compound #3: propylene



Original Peak Response = 717986

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



Manual Peak Response = 622541 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745960.D
 Acq On : 21 Dec 2024 8:14 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-LLSTD100
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:26 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.825	49	308380	10.000	ppbV	0.00
Standard Area = 299618			Recovery =	102.92%		
43) 1,4-difluorobenzene	11.030	114	772078	10.000	ppbV	0.00
Standard Area = 812080			Recovery =	95.07%		
67) chlorobenzene-D5	15.792	54	112261	10.000	ppbV	0.00
Standard Area = 111496			Recovery =	100.69%		
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.683	65	145469	8.333	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	83.33%		
69) toluene-D8	13.883	98	577246	8.576	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	85.76%		
90) bromofluorobenzene	17.183	95	411630	8.688	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.88%		
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	2195172	98.299	ppbV	96
3) propylene	3.802	41	1157089M6	93.609	ppbV	
4) propane	3.826	29	1728117	115.087	ppbV #	85
5) dichlorodifluoromethane	3.868	85	2547138	90.949	ppbV	99
6) chloromethane	4.030	50	1346313	89.103	ppbV	97
7) Freon-114	4.126	85	2737299	82.137	ppbV	93
8) methanol	4.192	31	3375307	391.138	ppbV	97
9) vinyl chloride	4.246	62	1421934	104.869	ppbV	100
10) 1,3-butadiene	4.384	54	1169527	99.017	ppbV	98
11) butane	4.432	43	1899345	86.884	ppbV #	96
12) acetaldehyde	4.144	29	3584790	441.168	ppbV	94
13) bromomethane	4.648	94	1149020	99.292	ppbV	100
14) chloroethane	4.828	64	663154	106.826	ppbV	97
15) ethanol	4.966	31	4677727	428.441	ppbV	89
16) dichlorofluoromethane	4.936	67	2271861	95.511	ppbV	98
17) vinyl bromide	5.190	106	1130251	97.878	ppbV	99
18) acrolein	5.313	56	691645	109.841	ppbV	100
19) acetone	5.447	43	8084844	387.503	ppbV #	73
20) acetonitrile	5.177	41	1134681	97.412	ppbV	97
21) trichlorofluoromethane	5.637	101	2189301	88.534	ppbV	99
22) isopropyl alcohol	5.723	45	5850012	195.185	ppbV #	96
23) acrylonitrile	5.953	53	1460080	127.513	ppbV	98
24) pentane	6.023	43	2694234	85.366	ppbV #	92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745960.D
 Acq On : 21 Dec 2024 8:14 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-LLSTD100
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:26 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) ethyl ether	6.040	31	2797993	128.283	ppbV	#	87
26) 1,1-dichloroethene	6.318	61	1933214	98.868	ppbV		98
27) tertiary butyl alcohol	6.360	59	2519627	119.770	ppbV	#	86
28) methylene chloride	6.456	49	2000213	107.455	ppbV		95
29) 3-chloropropene	6.582	41	1973011	93.069	ppbV	#	95
30) carbon disulfide	6.750	76	4303926	97.128	ppbV		95
31) Freon 113	6.750	101	2605598	91.462	ppbV		93
32) trans-1,2-dichloroethene	7.483	61	1983845	101.628	ppbV		99
33) 1,1-dichloroethane	7.708	63	2429533	95.663	ppbV		97
34) MTBE	7.758	73	3442206	103.186	ppbV		93
35) vinyl acetate	7.892	43	3278272	96.853	ppbV	#	93
36) 2-butanone	8.133	43	3301068	91.867	ppbV	#	95
37) cis-1,2-dichloroethene	8.642	61	1882391	99.347	ppbV		96
38) Ethyl Acetate	8.908	61	518904	105.400	ppbV	#	28
39) chloroform	8.983	83	2673793	103.682	ppbV		96
40) Tetrahydrofuran	9.392	42	1978135	93.447	ppbV		94
41) 2,2-dichloropropane	9.000	77	1941738	106.523	ppbV	#	83
42) 1,2-dichloroethane	9.800	62	1408321	91.059	ppbV	#	93
44) hexane	8.892	57	2499215	120.067	ppbV	#	45
45) diisopropyl ether	8.883	87	1354869	120.868	ppbV	#	52
46) tert-butyl ethyl ether	9.492	59	4216000	116.384	ppbV		94
48) 1,1,1-trichloroethane	10.083	97	2217328	109.257	ppbV		98
49) 1,1-dichloropropene	10.450	75	2241660	110.381	ppbV		92
50) benzene	10.610	78	5239124	112.366	ppbV		94
51) thiophene	10.757	84	3761602	87.718	ppbV		96
52) carbon tetrachloride	10.783	117	2102947	114.933	ppbV		98
53) cyclohexane	10.923	56	2818992	127.953	ppbV	#	91
54) tert-amyl methyl ether	11.297	73	4059072	111.523	ppbV		94
55) dibromomethane	11.517	93	1472077	102.114	ppbV		98
56) 1,2-dichloropropane	11.550	63	1694744	102.974	ppbV		96
57) bromodichloromethane	11.777	83	2802062	121.412	ppbV		98
58) 1,4-dioxane	11.803	88	1187455	124.979	ppbV		99
59) trichloroethene	11.830	130	2198860	103.637	ppbV		98
60) 2,2,4-trimethylpentane	11.883	57	7903225	117.835	ppbV		92
61) methyl methacrylate	12.070	41	1878868	100.505	ppbV		94
62) heptane	12.197	43	3143480	95.564	ppbV	#	82
63) cis-1,3-dichloropropene	12.842	75	2643261	118.318	ppbV		91
64) 4-methyl-2-pentanone	12.875	43	3902105	98.113	ppbV	#	87
65) trans-1,3-dichloropropene	13.467	75	2062847	124.308	ppbV		93
66) 1,1,2-trichloroethane	13.667	97	1908528	101.147	ppbV	#	87

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745960.D
 Acq On : 21 Dec 2024 8:14 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-LLSTD100
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:26 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.000	91	5494689	96.257	ppbV	99
70) 2-methylthiophene	14.075	97	4830507	68.587	ppbV	98
71) 1,3-dichloropropane	14.025	76	2720810	102.914	ppbV	87
72) 2-hexanone	14.292	43	3608814	90.562	ppbV #	85
73) 3-methylthiophene	14.267	97	5030572	67.450	ppbV	98
74) dibromochloromethane	14.458	129	2735451	107.391	ppbV	98
75) 1,2-dibromoethane	14.708	107	2756570	97.333	ppbV	99
76) butyl acetate	14.958	73	703094	105.819	ppbV	68
77) octane	15.067	85	2152823	108.785	ppbV #	75
78) tetrachloroethene	15.183	166	2225950	97.002	ppbV	97
79) 1,1,1,2-tetrachloroethane	15.817	131	2056673	101.664	ppbV	95
80) chlorobenzene	15.833	112	4574647	96.698	ppbV	99
81) ethylbenzene	16.192	91	6914689	93.283	ppbV	96
82) 2-ethylthiophene	16.233	97	5512270	66.521	ppbV	95
83) m+p-xylene	16.367	91	10634845	180.531	ppbV	99
84) bromoform	16.417	173	2295989	114.598	ppbV	98
85) styrene	16.683	104	4689413	96.716	ppbV	95
86) 1,1,2,2-tetrachloroethane	16.775	83	4095154	95.823	ppbV	100
87) o-xylene	16.783	91	5196320	88.303	ppbV	100
88) 1,2,3-trichloropropane	16.892	75	3335963	104.216	ppbV	95
89) nonane	16.992	43	4499592	81.676	ppbV #	77
91) isopropylbenzene	17.300	105	6939104	91.844	ppbV	90
92) bromobenzene	17.375	77	4195889	102.228	ppbV	96
93) 2-chlorotoluene	17.708	126	2343605	99.699	ppbV	85
94) n-propylbenzene	17.742	120	2584788	104.106	ppbV	69
95) 4-chlorotoluene	17.767	126	2287795	99.151	ppbV	87
96) 4-ethyl toluene	17.867	105	7405546	93.831	ppbV	92
97) 1,3,5-trimethylbenzene	17.933	105	6149785	90.719	ppbV	95
98) tert-butylbenzene	18.275	119	5919950	85.501	ppbV	93
99) 1,2,4-trimethylbenzene	18.283	105	5719497	82.394	ppbV	96
100) decane	18.367	57	5163759	99.179	ppbV #	77
101) Benzyl Chloride	18.400	91	4465954	134.202	ppbV	97
102) 1,3-dichlorobenzene	18.408	146	4237561	94.056	ppbV	97
103) 1,4-dichlorobenzene	18.467	146	4150131	92.151	ppbV	97
104) sec-butylbenzene	18.500	105	8494353	86.474	ppbV #	89
105) 1,2,3-trimethylbenzene	18.633	105	5168869	82.056	ppbV	97
106) p-isopropyltoluene	18.633	119	6908087	81.356	ppbV	91
107) 1,2-dichlorobenzene	18.750	146	3886857	90.490	ppbV	97
108) n-butylbenzene	18.975	91	6780934	94.515	ppbV	94
109) indan	18.800	117	6173383	94.506	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745960.D
 Acq On : 21 Dec 2024 8:14 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-LLSTD100
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:36:26 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:34:55 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default - All compounds listed

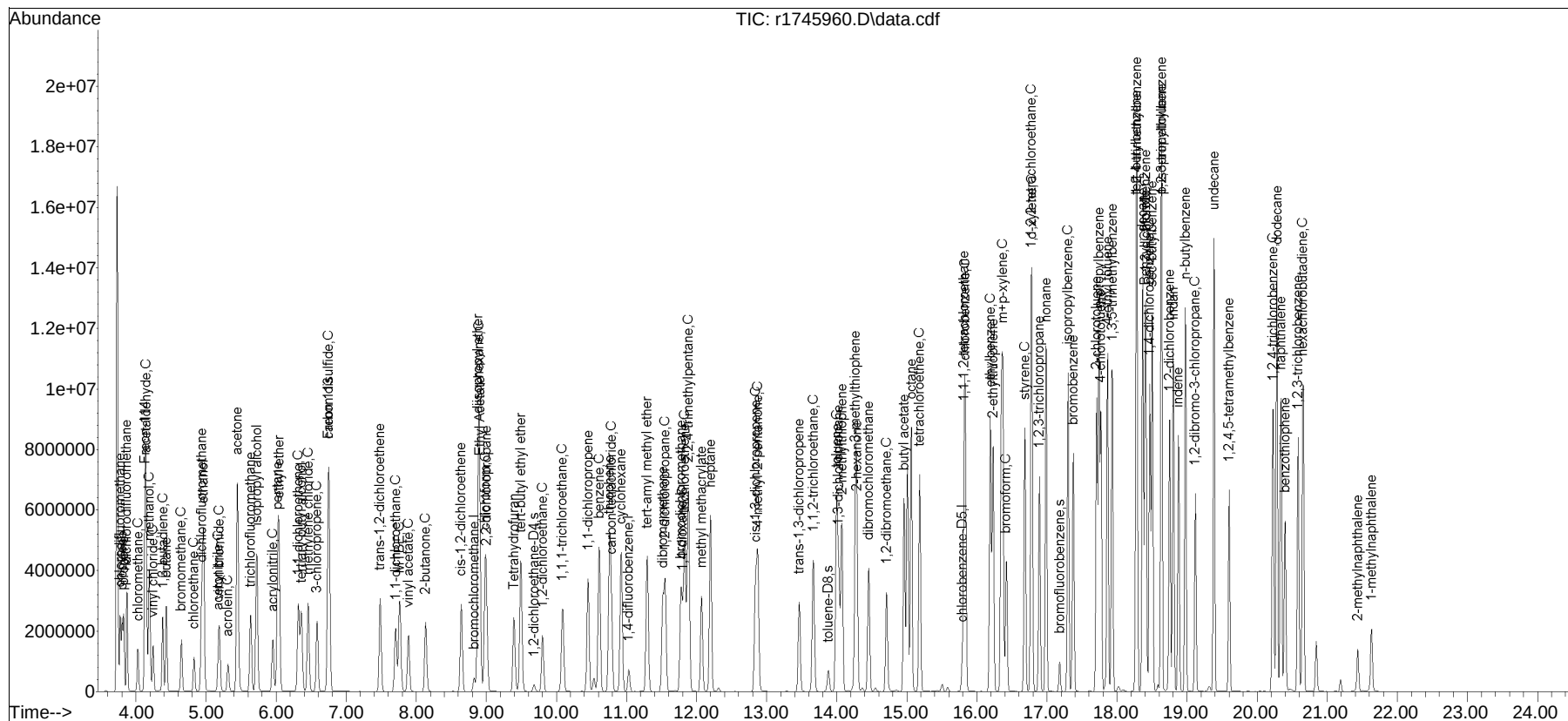
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110)	indene	18.875	115	4550072	104.235	ppbV	98
111)	1,2-dibromo-3-chloropr...	19.117	75	1720882	107.333	ppbV	92
112)	undecane	19.383	57	5406121	94.981	ppbV #	81
113)	1,2,4,5-tetramethylben...	19.600	119	3566214	111.438	ppbV	96
114)	dodecane	20.283	57	5373237	91.257	ppbV #	78
115)	1,2,4-trichlorobenzene	20.225	180	3296451	107.106	ppbV	99
116)	naphthalene	20.342	128	8754721	99.347	ppbV	98
117)	1,2,3-trichlorobenzene	20.583	180	2949689	105.258	ppbV	98
118)	benzothiophene	20.400	134	4745319	109.167	ppbV	97
119)	hexachlorobutadiene	20.650	225	2485314	93.671	ppbV	96
120)	2-methylnaphthalene	21.433	142	823980	121.569	ppbV	96
121)	1-methylnaphthalene	21.633	142	1270027	105.149	ppbV	95

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

Sub List : Default - All compounds listed2\1220T_I\r1745957.D

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File : r1745960.D
Acq On : 21 Dec 2024 8:14 AM
Operator : AIRLAB17:BJB
Sample : IT015-LLSTD100
Misc : WG2012830
ALS Vial : 0 Sample Multiplier: 1

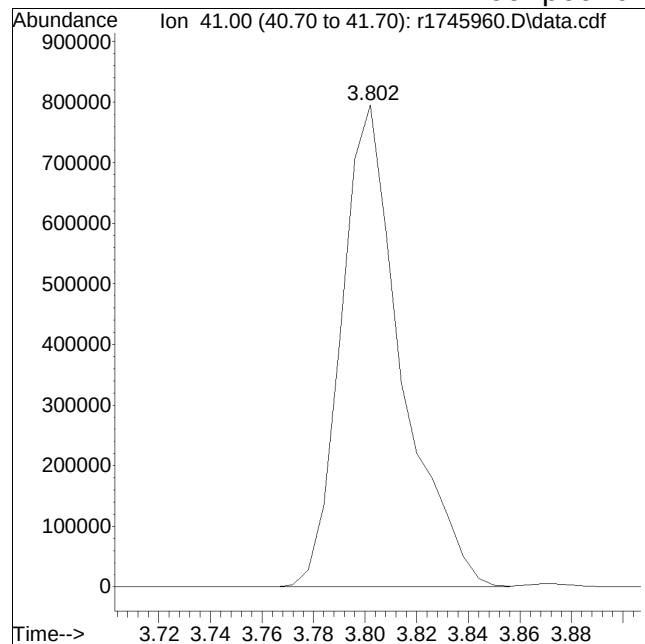
Quant Time: Dec 21 08:36:26 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:34:55 2024
Response via : Initial Calibration



Manual Integration Report

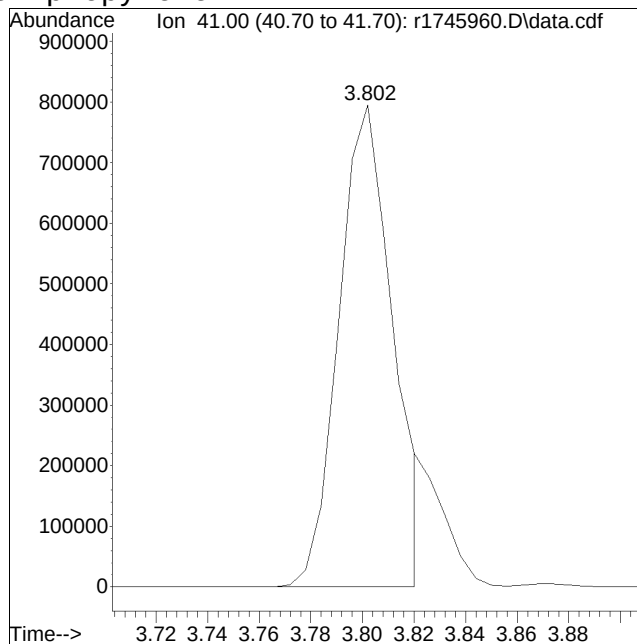
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Data File : r1745960.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 8:14 AM Instrument :
Sample : IT015-LLSTD100 Quant Date : 12/21/2024 8:36 am

Compound #3: propylene



Original Peak Response = 1289131

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



Manual Peak Response = 1157089 M6

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	90	0.00
2	chlorodifluoromethane	0.815	0.833	-2.2	104	0.00
3	propylene	0.450	0.441	2.0	99	0.00
4	propane	0.562	0.632	-12.5	117	0.00
5	dichlorodifluoromethane	0.999	1.014	-1.5	101	0.00
6 C	chloromethane	0.541	0.441	18.5	81	0.00
7	Freon-114	1.176	1.211	-3.0	101	0.00
8 C	methanol	0.331	0.252	23.9	81	0.00
9 C	vinyl chloride	0.501	0.517	-3.2	106	0.00
10 C	1,3-butadiene	0.444	0.445	-0.2	105	0.00
11	butane	0.780	0.686	12.1	87	0.00
13 C	bromomethane	0.428	0.453	-5.8	109	0.00
14 C	chloroethane	0.236	0.245	-3.8	110	0.00
15	ethanol	0.376	0.367	2.4	94	0.00
16	dichlorofluoromethane	0.892	0.818	8.3	96	0.00
17 C	vinyl bromide	0.439	0.413	5.9	99	0.00
18 C	acrolein	0.235	0.268	-14.0	118	0.00
19	acetone	0.768	0.720	6.3	96	0.00
20 C	acetonitrile	0.441	0.403	8.6	96	0.00
21	trichlorofluoromethane	0.886	0.848	4.3	95	0.00
22	isopropyl alcohol	0.971	0.834	14.1	77	0.00
23 C	acrylonitrile	0.441	0.518	-17.5	126	0.00
24	pentane	1.148	0.979	14.7	86	0.00
25	ethyl ether	0.855	1.016	-18.8	130	0.00
26 C	1,1-dichloroethene	0.716	0.750	-4.7	107	0.00
27	tertiary butyl alcohol	0.794	0.877	-10.5	116	0.00
28 C	methylene chloride	0.704	0.732	-4.0	109	0.00
29 C	3-chloropropene	0.776	0.753	3.0	99	0.00
30 C	carbon disulfide	1.623	1.605	1.1	101	0.00
31	Freon 113	1.034	1.005	2.8	98	0.00
32	trans-1,2-dichloroethene	0.727	0.742	-2.1	106	0.00
33 C	1,1-dichloroethane	0.918	0.887	3.4	97	0.00
34 C	MTBE	1.239	1.259	-1.6	105	0.00
35 C	vinyl acetate	1.186	1.006	15.2	83	0.00
36 C	2-butanone	1.301	1.162	10.7	90	0.00
37	cis-1,2-dichloroethene	0.687	0.700	-1.9	103	0.00
38	Ethyl Acetate	0.177	0.197	-11.3	111	0.00
39 C	chloroform	0.951	1.024	-7.7	110	0.00
40	Tetrahydrofuran	0.767	0.678	11.6	89	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	0.665	0.666	-0.2	102	0.00
42 C	1,2-dichloroethane	0.564	0.520	7.8	94	0.00
43 I	1,4-difluorobenzene	1.000	1.000	0.0	90	0.00
44 C	hexane	0.323	0.368	-13.9	123	0.00
45	diisopropyl ether	0.172	0.181	-5.2	113	0.00
46	tert-butyl ethyl ether	0.542	0.564	-4.1	109	0.00
47 s	1,2-dichloroethane-D4	0.221	0.194	12.2	77	0.00
48 C	1,1,1-trichloroethane	0.298	0.279	6.4	96	0.00
49	1,1-dichloropropene	0.306	0.307	-0.3	106	0.00
50 C	benzene	0.703	0.708	-0.7	106	0.00
52 C	carbon tetrachloride	0.266	0.278	-4.5	106	0.00
53	cyclohexane	0.344	0.405	-17.7	128	0.00
54	tert-amyl methyl ether	0.543	0.531	2.2	102	0.00
55	dibromomethane	0.212	0.202	4.7	98	0.00
56 C	1,2-dichloropropane	0.241	0.225	6.6	95	0.00
57	bromodichloromethane	0.343	0.398	-16.0	120	0.00
58 C	1,4-dioxane	0.143	0.159	-11.2	117	0.00
59 C	trichloroethene	0.317	0.304	4.1	100	0.00
60 C	2,2,4-trimethylpentane	1.038	1.196	-15.2	124	0.00
61	methyl methacrylate	0.268	0.266	0.7	99	0.00
62	heptane	0.486	0.443	8.8	94	0.00
63 C	cis-1,3-dichloropropene	0.325	0.350	-7.7	109	0.00
64 C	4-methyl-2-pentanone	0.576	0.534	7.3	94	0.00
65	trans-1,3-dichloropropene	0.237	0.268	-13.1	113	0.00
66 C	1,1,2-trichloroethane	0.276	0.258	6.5	95	0.00
67 I	chlorobenzene-D5	1.000	1.000	0.0	96	0.00
68 C	toluene	5.691	5.371	5.6	102	0.00
69 s	toluene-D8	5.897	5.279	10.5	85	0.00
71	1,3-dichloropropane	2.716	2.522	7.1	103	0.00
72	2-hexanone	3.877	3.375	12.9	91	0.00
74	dibromochloromethane	2.471	2.719	-10.0	115	0.00
75 C	1,2-dibromoethane	2.826	2.706	4.2	103	0.00
76	butyl acetate	0.649	0.594	8.5	96	0.00
77	octane	2.034	2.024	0.5	110	0.00
78 C	tetrachloroethene	2.330	2.171	6.8	102	0.00
79	1,1,1,2-tetrachloroethane	1.979	1.914	3.3	102	0.00
80 C	chlorobenzene	4.810	4.735	1.6	108	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	7.305	6.844	6.3	100	0.00
83 C	m+p-xylene	5.774	5.511	4.6	101	0.00
84 C	bromoform	1.895	2.138	-12.8	115	0.00
85 C	styrene	4.691	4.657	0.7	104	0.00
86 C	1,1,2,2-tetrachloroethane	4.168	4.584	-10.0	116	0.00
87 C	o-xylene	5.790	5.601	3.3	103	0.00
88	1,2,3-trichloropropane	3.236	3.223	0.4	109	0.00
89	nonane	5.294	4.602	13.1	90	0.00
90 s	bromofluorobenzene	4.124	3.739	9.3	85	0.00
91 C	isopropylbenzene	7.529	7.674	-1.9	110	0.00
92	bromobenzene	4.202	4.367	-3.9	115	0.00
93	2-chlorotoluene	2.333	2.184	6.4	100	0.00
94	n-propylbenzene	2.509	2.488	0.8	108	0.00
95	4-chlorotoluene	2.301	2.200	4.4	103	0.00
96	4-ethyl toluene	7.802	7.989	-2.4	109	0.00
97	1,3,5-trimethylbenzene	6.617	6.809	-2.9	108	0.00
98	tert-butylbenzene	6.974	7.129	-2.2	111	0.00
99	1,2,4-trimethylbenzene	6.547	6.729	-2.8	105	0.00
100	decane	5.262	5.295	-0.6	110	0.00
101 C	Benzyl Chloride	3.067	3.329	-8.5	108	0.00
102	1,3-dichlorobenzene	4.381	4.343	0.9	104	0.00
103 C	1,4-dichlorobenzene	4.305	4.358	-1.2	104	0.00
104	sec-butylbenzene	9.532	9.627	-1.0	106	0.00
106	p-isopropyltoluene	8.387	8.144	2.9	103	0.00
107	1,2-dichlorobenzene	4.183	4.089	2.2	103	0.00
108	n-butylbenzene	7.110	7.284	-2.4	110	0.00
111 C	1,2-dibromo-3-chloropropane	1.448	1.567	-8.2	105	0.00
112	undecane	5.623	5.959	-6.0	113	0.00
114	dodecane	5.419	5.802	-7.1	106	0.00
115 C	1,2,4-trichlorobenzene	2.784	2.711	2.6	95	0.00
116	naphthalene	7.882	8.243	-4.6	101	0.00
117	1,2,3-trichlorobenzene	2.534	2.575	-1.6	99	0.00
119 C	hexachlorobutadiene	2.615	2.402	8.1	98	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\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default-ICV-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	270133	10.000	ppbV	0.00
Standard Area = 299618			Recovery =		90.16%	
43) 1,4-difluorobenzene	11.030	114	733565	10.000	ppbV	0.00
Standard Area = 812080			Recovery =		90.33%	
67) chlorobenzene-D5	15.792	54	107156	10.000	ppbV	0.00
Standard Area = 111496			Recovery =		96.11%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	142125	8.774	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		87.74%	
69) toluene-D8	13.875	98	565715	8.953	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		89.53%	
90) bromofluorobenzene	17.183	95	400663	9.066	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		90.66%	
Target Compounds						
					Qvalue	
2) chlorodifluoromethane	3.772	51	225134	10.226	ppbV	96
3) propylene	3.796	41	119257M6	9.820	ppbV	
4) propane	3.820	29	170820	11.255	ppbV #	85
5) dichlorodifluoromethane	3.868	85	274026	10.151	ppbV	99
6) chloromethane	4.024	50	119044	8.149	ppbV	94
7) Freon-114	4.126	85	327225	10.303	ppbV	98
8) methanol	4.180	31	340195	38.008	ppbV	96
9) vinyl chloride	4.240	62	139677	10.331	ppbV	100
10) 1,3-butadiene	4.378	54	120241	10.026	ppbV	97
11) butane	4.432	43	185326	8.797	ppbV	95
13) bromomethane	4.642	94	122241	10.569	ppbV	98
14) chloroethane	4.822	64	66193	10.387	ppbV	98
15) ethanol	4.942	31	495944	48.802	ppbV #	84
16) dichlorofluoromethane	4.924	67	221011	9.174	ppbV #	97
17) vinyl bromide	5.183	106	111438	9.403	ppbV	98
18) acrolein	5.303	56	72346	11.387	ppbV	95
19) acetone	5.437	43	972669	46.889	ppbV #	80
20) acetonitrile	5.163	41	108878	9.141	ppbV	95
21) trichlorofluoromethane	5.630	101	228953	9.565	ppbV	100
22) isopropyl alcohol	5.703	45	562892	21.466	ppbV #	97
23) acrylonitrile	5.940	53	139945	11.754	ppbV	98
24) pentane	6.020	43	264593	8.530	ppbV #	93
25) ethyl ether	6.040	31	274447	11.882	ppbV #	85

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
26) 1,1-dichloroethene	6.312	61	202516	10.473	ppbV		94
27) tertiary butyl alcohol	6.342	59	237011	11.054	ppbV	#	86
28) methylene chloride	6.450	49	197643	10.387	ppbV		94
29) 3-chloropropene	6.576	41	203439	9.707	ppbV		96
30) carbon disulfide	6.744	76	433567	9.889	ppbV		94
31) Freon 113	6.744	101	271403	9.715	ppbV		92
32) trans-1,2-dichloroethene	7.475	61	200426	10.205	ppbV		96
33) 1,1-dichloroethane	7.700	63	239555	9.659	ppbV		97
34) MTBE	7.758	73	339989	10.156	ppbV	#	93
35) vinyl acetate	7.883	43	271702	8.482	ppbV	#	93
36) 2-butanone	8.125	43	313767	8.927	ppbV	#	95
37) cis-1,2-dichloroethene	8.633	61	189100	10.194	ppbV		95
38) Ethyl Acetate	8.900	61	53292	11.121	ppbV	#	51
39) chloroform	8.967	83	276649	10.770	ppbV	#	96
40) Tetrahydrofuran	9.392	42	183158	8.834	ppbV		96
41) 2,2-dichloropropane	8.992	77	179796	10.008	ppbV		89
42) 1,2-dichloroethane	9.792	62	140515	9.223	ppbV		94
44) hexane	8.892	57	270196	11.389	ppbV	#	65
45) diisopropyl ether	8.883	87	133009	10.567	ppbV		72
46) tert-butyl ethyl ether	9.492	59	413707	10.412	ppbV		96
48) 1,1,1-trichloroethane	10.083	97	204846	9.371	ppbV		98
49) 1,1-dichloropropene	10.443	75	225444	10.053	ppbV		92
50) benzene	10.603	78	519232	10.074	ppbV		96
52) carbon tetrachloride	10.777	117	203631	10.452	ppbV		98
53) cyclohexane	10.917	56	297110	11.763	ppbV	#	89
54) tert-amyl methyl ether	11.290	73	389613	9.790	ppbV		93
55) dibromomethane	11.510	93	148541	9.535	ppbV		98
56) 1,2-dichloropropane	11.543	63	165022	9.332	ppbV		97
57) bromodichloromethane	11.770	83	292153	11.600	ppbV		98
58) 1,4-dioxane	11.803	88	116477	11.097	ppbV		98
59) trichloroethene	11.823	130	222839	9.571	ppbV		98
60) 2,2,4-trimethylpentane	11.877	57	877200	11.516	ppbV	#	89
61) methyl methacrylate	12.070	41	194848	9.895	ppbV		95
62) heptane	12.197	43	325335	9.129	ppbV	#	83
63) cis-1,3-dichloropropene	12.833	75	256905	10.789	ppbV		90
64) 4-methyl-2-pentanone	12.867	43	391552	9.271	ppbV	#	86
65) trans-1,3-dichloropropene	13.458	75	196850	11.302	ppbV		93
66) 1,1,2-trichloroethane	13.658	97	189520	9.350	ppbV	#	86
68) toluene	13.992	91	575558	9.438	ppbV		96
71) 1,3-dichloropropane	14.017	76	270214	9.283	ppbV		86

Quantitation Report (QT Reviewed)

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 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 2-hexanone	14.283	43	361637	8.704	ppbV	# 87
74) dibromochloromethane	14.450	129	291368	11.003	ppbV	98
75) 1,2-dibromoethane	14.708	107	289993	9.576	ppbV	98
76) butyl acetate	14.958	73	63679	9.154	ppbV	# 74
77) octane	15.058	85	216890	9.953	ppbV	# 78
78) tetrachloroethene	15.175	166	232614	9.315	ppbV	95
79) 1,1,1,2-tetrachloroethane	15.817	131	205048	9.670	ppbV	98
80) chlorobenzene	15.833	112	507368	9.844	ppbV	99
81) ethylbenzene	16.183	91	733414	9.370	ppbV	97
83) m+p-xylene	16.358	91	1181040	19.089	ppbV	99
84) bromoform	16.417	173	229078	11.282	ppbV	100
85) styrene	16.683	104	498992	9.926	ppbV	95
86) 1,1,2,2-tetrachloroethane	16.775	83	491167	10.997	ppbV	99
87) o-xylene	16.775	91	600174	9.674	ppbV	99
88) 1,2,3-trichloropropane	16.892	75	345340	9.960	ppbV	96
89) nonane	16.983	43	493180	8.693	ppbV	# 83
91) isopropylbenzene	17.300	105	822307	10.193	ppbV	99
92) bromobenzene	17.375	77	467951	10.393	ppbV	94
93) 2-chlorotoluene	17.708	126	234042	9.364	ppbV	95
94) n-propylbenzene	17.733	120	266618	9.919	ppbV	82
95) 4-chlorotoluene	17.767	126	235775	9.564	ppbV	97
96) 4-ethyl toluene	17.858	105	856043	10.239	ppbV	98
97) 1,3,5-trimethylbenzene	17.925	105	729656	10.290	ppbV	99
98) tert-butylbenzene	18.275	119	763947	10.223	ppbV	94
99) 1,2,4-trimethylbenzene	18.275	105	721031	10.278	ppbV	98
100) decane	18.358	57	567365	10.062	ppbV	84
101) Benzyl Chloride	18.392	91	356681	10.851	ppbV	98
102) 1,3-dichlorobenzene	18.400	146	465383	9.912	ppbV	99
103) 1,4-dichlorobenzene	18.458	146	467030	10.123	ppbV	98
104) sec-butylbenzene	18.500	105	1031556	10.099	ppbV	96
106) p-isopropyltoluene	18.625	119	872695	9.711	ppbV	99
107) 1,2-dichlorobenzene	18.742	146	438205	9.776	ppbV	98
108) n-butylbenzene	18.975	91	780496	10.245	ppbV	95
111) 1,2-dibromo-3-chloropr...	19.117	75	167935	10.823	ppbV	95
112) undecane	19.383	57	638578	10.597	ppbV	84
114) dodecane	20.283	57	621732	10.707	ppbV	83
115) 1,2,4-trichlorobenzene	20.217	180	290477	9.737	ppbV	98
116) naphthalene	20.333	128	883291	10.458	ppbV	100
117) 1,2,3-trichlorobenzene	20.583	180	275902	10.161	ppbV	98
119) hexachlorobutadiene	20.650	225	257373	9.184	ppbV	94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
 Data File : r1745963.D
 Acq On : 21 Dec 2024 12:27 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-LLSTD10.0
 Misc : WG2012830
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 13:55:43 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

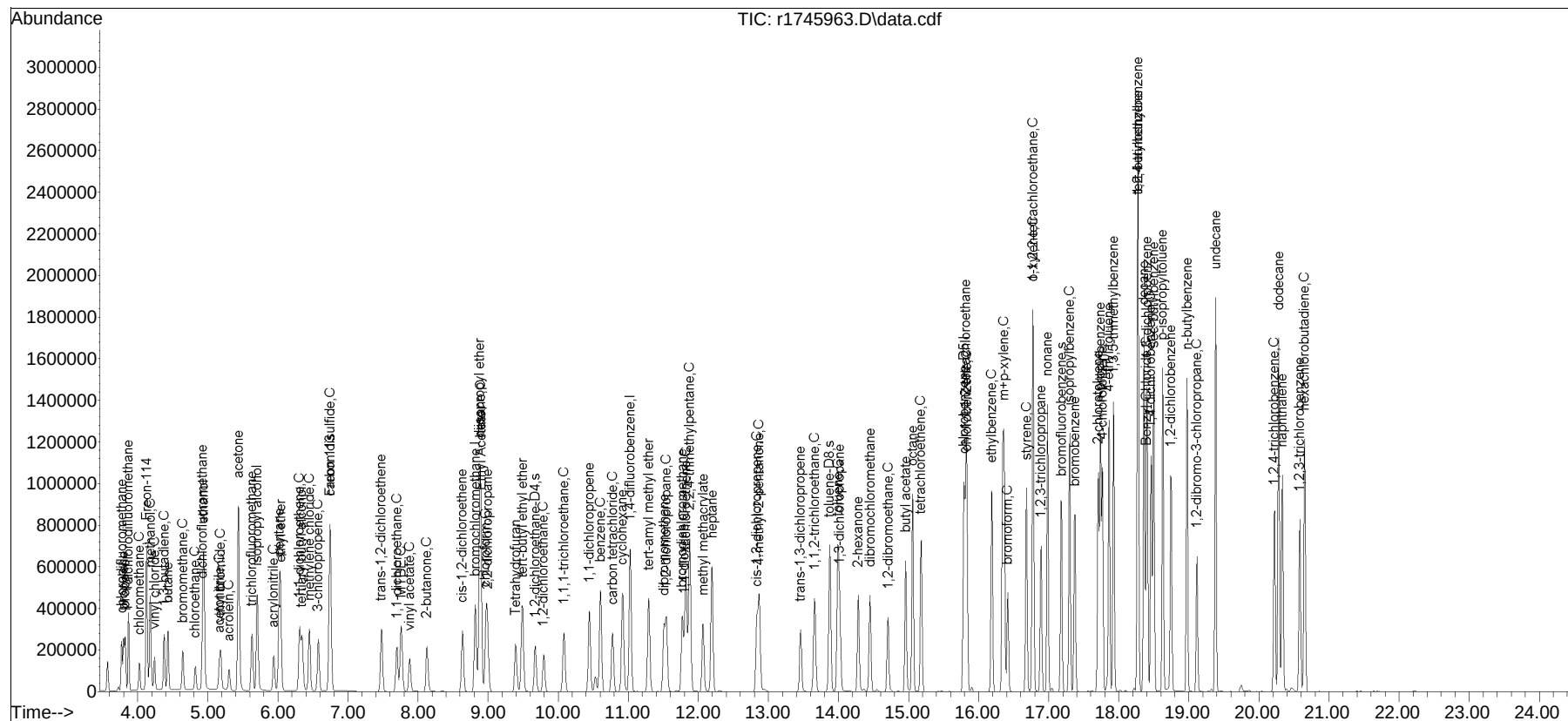
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220T_I\r1745957.D
 Sub List : Default-ICV-AP2 - All compounds listed

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

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

```
Data Path   : X:\Airlab\Data\Airlab17\2024\12\1220T_I\
Data File  : r1745963.D
Acq On     : 21 Dec 2024  12:27 PM
Operator   : AIRLAB17:BJB
Sample     : CT015-LLSTD10.0
Misc       : WG2012830
ALS Vial   : 0      Sample Multiplier: 1
```

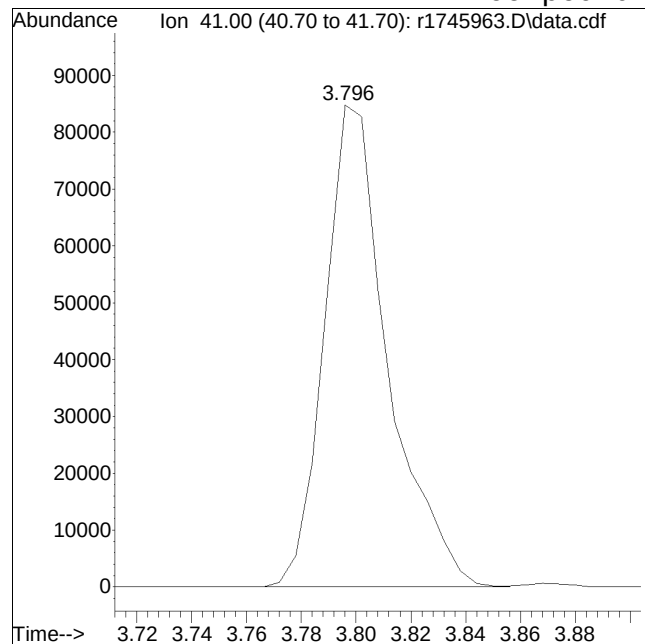
Quant Time: Dec 23 13:55:43 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 13:55:18 2024
Response via : Initial Calibration



Manual Integration Report

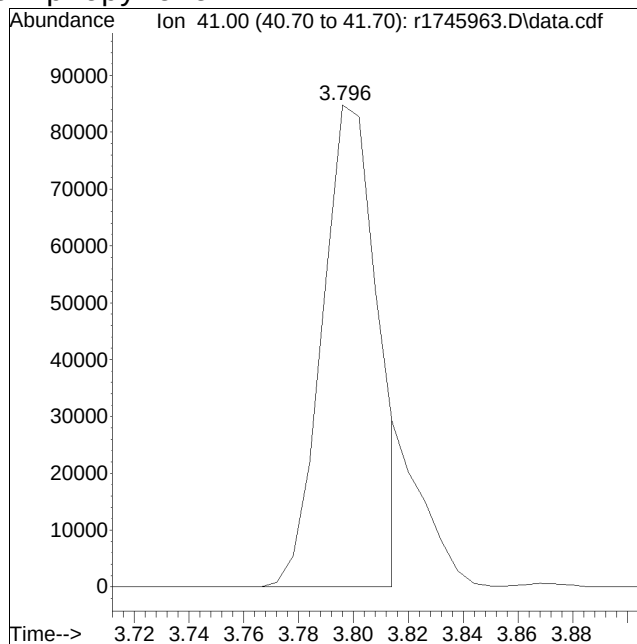
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1745963.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 12:27 PM Instrument :
Sample : CT015-LLSTD10.0 Quant Date : 12/23/2024 1:55 pm

Compound #3: propylene



Original Peak Response = 136305

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



Manual Peak Response = 119257 M6

Continuing Calibration

Calibration Verification Summary

Form 7

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Lab File ID : R1747483
 Sample No : WG2037508-2
 Channel :

Lab Number : L2509499
 Project Number : 195601412
 Calibration Date : 03/06/25 16:48
 Init. Calib. Date(s) : 12/21/24 12/21/24
 Init. Calib. Times : 03:40 08:14

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	87	.07
chlorodifluoromethane	0.815	0.789	-	3.2	30	94	.04
propylene	0.45	0.452	-	-0.4	30	98	.04
propane	0.562	0.468	-	16.7	30	83	.04
dichlorodifluoromethane	0.999	1.039	-	-4	30	99	.04
chloromethane	0.541	0.509	-	5.9	30	90	.04
Freon-114	1.176	1.229	-	-4.5	30	98	.04
methanol	0.331	0.267	-	19.3	30	83	.04
vinyl chloride	0.501	0.511	-	-2	30	101	.04
1,3-butadiene	0.444	0.404	-	9	30	91	.05
butane	0.78	0.842	-	-7.9	30	103	.05
bromomethane	0.428	0.45	-	-5.1	30	104	.05
chloroethane	0.236	0.242	-	-2.5	30	104	.05
ethanol	0.376	0.282	-	25	30	69	.05
dichlorofluoromethane	0.892	0.998	-	-11.9	30	112	.05
vinyl bromide	0.439	0.431	-	1.8	30	100	.05
acrolein	0.235	0.193	-	17.9	30	82	.05
acetone	0.768	0.694	-	9.6	30	89	.05
acetonitrile	0.441	0.451	-	-2.3	30	103	.05
trichlorofluoromethane	0.886	0.754	-	14.9	30	81	.06
isopropyl alcohol	0.971	0.987	-	-1.6	30	88	.05
acrylonitrile	0.441	0.431	-	2.3	30	101	.06
pentane	1.148	1.424	-	-24	30	121	.06
ethyl ether	0.855	1.027	-	-20.1	30	126	.06
1,1-dichloroethene	0.716	0.906	-	-26.5	30	124	.06
tertiary butyl alcohol	0.794	0.871	-	-9.7	30	111	.06
methylene chloride	0.704	0.706	-	-0.3	30	101	.06
3-chloropropene	0.776	0.88	-	-13.4	30	111	.05
carbon disulfide	1.623	1.633	-	-0.6	30	98	.06
Freon 113	1.034	1.157	-	-11.9	30	108	.05
trans-1,2-dichloroethene	0.727	0.846	-	-16.4	30	116	.06
1,1-dichloroethane	0.918	1.093	-	-19.1	30	115	.06
MTBE	1.239	1.189	-	4	30	95	.07
vinyl acetate	1.186	0.961	-	19	30	76	.06
2-butanone	1.301	1.314	-	-1	30	98	.06
cis-1,2-dichloroethene	0.687	0.832	-	-21.1	30	117	.07
Ethyl Acetate	0.177	0.228	-	-28.8	30	124	.06
chloroform	0.951	1.109	-	-16.6	30	115	.06
Tetrahydrofuran	0.767	0.751	-	2.1	30	95	.07
2,2-dichloropropane	0.665	0.709	-	-6.6	30	104	.07
1,2-dichloroethane	0.564	0.688	-	-22	30	119	.07
1,4-difluorobenzene	1	1	-	0	30	87	.06
hexane	0.323	0.4	-	-23.8	30	129	.06

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Lab File ID : R1747483
 Sample No : WG2037508-2
 Channel :

Lab Number : L2509499
 Project Number : 195601412
 Calibration Date : 03/06/25 16:48
 Init. Calib. Date(s) : 12/21/24 12/21/24
 Init. Calib. Times : 03:40 08:14

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.172	0.175	-	-1.7	30	105	.06
tert-butyl ethyl ether	0.542	0.576	-	-6.3	30	107	.06
1,1,1-trichloroethane	0.298	0.319	-	-7	30	106	.06
1,1-dichloropropene	0.306	0.302	-	1.3	30	100	.06
benzene	0.703	0.714	-	-1.6	30	103	.07
carbon tetrachloride	0.266	0.323	-	-21.4	30	119	.06
cyclohexane	0.344	0.379	-	-10.2	30	116	.06
tert-amyl methyl ether	0.543	0.479	-	11.8	30	88	.06
dibromomethane	0.212	0.244	-	-15.1	30	114	.06
1,2-dichloropropane	0.241	0.275	-	-14.1	30	112	.07
bromodichloromethane	0.343	0.411	-	-19.8	30	120	.06
1,4-dioxane	0.143	0.158	-	-10.5	30	112	.06
trichloroethene	0.317	0.341	-	-7.6	30	108	.06
2,2,4-trimethylpentane	1.038	1.205	-	-16.1	30	121	.06
methyl methacrylate	0.268	0.317	-	-18.3	30	114	.06
heptane	0.486	0.492	-	-1.2	30	101	.06
cis-1,3-dichloropropene	0.325	0.346	-	-6.5	30	104	.06
4-methyl-2-pentanone	0.576	0.588	-	-2.1	30	99	.06
trans-1,3-dichloropropene	0.237	0.269	-	-13.5	30	109	.07
1,1,2-trichloroethane	0.276	0.294	-	-6.5	30	105	.07
chlorobenzene-D5	1	1	-	0	30	95	.05
toluene	5.691	5.733	-	-0.7	30	108	.06
1,3-dichloropropane	2.716	2.521	-	7.2	30	102	.05
2-hexanone	3.877	3.498	-	9.8	30	94	.06
dibromochloromethane	2.471	2.901	-	-17.4	30	122	.06
1,2-dibromoethane	2.826	2.944	-	-4.2	30	111	.05
butyl acetate	0.649	0.526	-	19	30	85	.05
octane	2.034	1.948	-	4.2	30	105	.05
tetrachloroethene	2.33	2.311	-	0.8	30	108	.04
1,1,1,2-tetrachloroethane	1.979	2.084	-	-5.3	30	110	.05
chlorobenzene	4.81	4.849	-	-0.8	30	110	.05
ethylbenzene	7.305	7.077	-	3.1	30	102	.04
m+p-xylene	5.774	5.971	-	-3.4	30	109	.04
bromoform	1.895	2.304	-	-21.6	30	123	.05
styrene	4.691	4.634	-	1.2	30	102	.04
1,1,2,2-tetrachloroethane	4.168	4.857	-	-16.5	30	122	.04
o-xylene	5.79	6.121	-	-5.7	30	111	.05
1,2,3-trichloropropane	3.236	3.214	-	0.7	30	108	.04
nonane	5.294	4.788	-	9.6	30	93	.04
isopropylbenzene	7.529	7.649	-	-1.6	30	108	.04
bromobenzene	4.202	4.18	-	0.5	30	109	.04
2-chlorotoluene	2.333	2.255	-	3.3	30	103	.04
n-propylbenzene	2.509	2.593	-	-3.3	30	112	.04

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Lab File ID : R1747483
 Sample No : WG2037508-2
 Channel :

Lab Number : L2509499
 Project Number : 195601412
 Calibration Date : 03/06/25 16:48
 Init. Calib. Date(s) : 12/21/24 12/21/24
 Init. Calib. Times : 03:40 08:14

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.301	2.255	-	2	30	105	-.02
4-ethyl toluene	7.802	7.993	-	-2.4	30	108	.04
1,3,5-trimethylbenzene	6.617	7.048	-	-6.5	30	111	.04
tert-butylbenzene	6.974	7.224	-	-3.6	30	112	.04
1,2,4-trimethylbenzene	6.547	7.055	-	-7.8	30	109	.04
decane	5.262	5.569	-	-5.8	30	115	.04
Benzyl Chloride	3.067	3.315	-	-8.1	30	107	.04
1,3-dichlorobenzene	4.381	4.774	-	-9	30	114	.04
1,4-dichlorobenzene	4.305	4.774	-	-10.9	30	114	-.02
sec-butylbenzene	9.532	9.718	-	-2	30	106	.04
p-isopropyltoluene	8.387	7.931	-	5.4	30	100	.03
1,2-dichlorobenzene	4.183	4.381	-	-4.7	30	109	.03
n-butylbenzene	7.11	7.605	-	-7	30	114	.04
1,2-dibromo-3-chloropropan	1.448	1.533	-	-5.9	30	102	.04
undecane	5.623	5.901	-	-4.9	30	111	.04
dodecane	5.419	5.549	-	-2.4	30	101	.04
1,2,4-trichlorobenzene	2.784	2.633	-	5.4	30	92	.04
naphthalene	7.882	7.986	-	-1.3	30	97	.05
1,2,3-trichlorobenzene	2.534	2.472	-	2.4	30	94	.04
hexachlorobutadiene	2.615	2.594	-	0.8	30	105	.05

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	87	0.07
2	chlorodifluoromethane	0.815	0.789	3.2	94	0.04
3	propylene	0.450	0.452	-0.4	98	0.04
4	propane	0.562	0.468	16.7	83	0.04
5	dichlorodifluoromethane	0.999	1.039	-4.0	99	0.04
6 C	chloromethane	0.541	0.509	5.9	90	0.04
7	Freon-114	1.176	1.229	-4.5	98	0.04
8 C	methanol	0.331	0.267	19.3	83	0.04
9 C	vinyl chloride	0.501	0.511	-2.0	101	0.04
10 C	1,3-butadiene	0.444	0.404	9.0	91	0.05
11	butane	0.780	0.842	-7.9	103	0.05
13 C	bromomethane	0.428	0.450	-5.1	104	0.05
14 C	chloroethane	0.236	0.242	-2.5	104	0.05
15	ethanol	0.376	0.282	25.0	69	0.05
16	dichlorofluoromethane	0.892	0.998	-11.9	112	0.05
17 C	vinyl bromide	0.439	0.431	1.8	100	0.05
18 C	acrolein	0.235	0.193	17.9	82	0.05
19	acetone	0.768	0.694	9.6	89	0.05
20 C	acetonitrile	0.441	0.451	-2.3	103	0.05
21	trichlorofluoromethane	0.886	0.754	14.9	81	0.06
22	isopropyl alcohol	0.971	0.987	-1.6	88	0.05
23 C	acrylonitrile	0.441	0.431	2.3	101	0.06
24	pentane	1.148	1.424	-24.0	121	0.06
25	ethyl ether	0.855	1.027	-20.1	126	0.06
26 C	1,1-dichloroethene	0.716	0.906	-26.5	124	0.06
27	tertiary butyl alcohol	0.794	0.871	-9.7	111	0.06
28 C	methylene chloride	0.704	0.706	-0.3	101	0.06
29 C	3-chloropropene	0.776	0.880	-13.4	111	0.05
30 C	carbon disulfide	1.623	1.633	-0.6	98	0.06
31	Freon 113	1.034	1.157	-11.9	108	0.05
32	trans-1,2-dichloroethene	0.727	0.846	-16.4	116	0.06
33 C	1,1-dichloroethane	0.918	1.093	-19.1	115	0.06
34 C	MTBE	1.239	1.189	4.0	95	0.07
35 C	vinyl acetate	1.186	0.961	19.0	76	0.06
36 C	2-butanone	1.301	1.314	-1.0	98	0.06
37	cis-1,2-dichloroethene	0.687	0.832	-21.1	117	0.07
38	Ethyl Acetate	0.177	0.228	-28.8	124	0.06
39 C	chloroform	0.951	1.109	-16.6	115	0.06
40	Tetrahydrofuran	0.767	0.751	2.1	95	0.07

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	0.665	0.709	-6.6	104	0.07
42 C	1,2-dichloroethane	0.564	0.688	-22.0	119	0.07
43 I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.06
44 C	hexane	0.323	0.400	-23.8	129	0.06
45	diisopropyl ether	0.172	0.175	-1.7	105	0.06
46	tert-butyl ethyl ether	0.542	0.576	-6.3	107	0.06
48 C	1,1,1-trichloroethane	0.298	0.319	-7.0	106	0.06
49	1,1-dichloropropene	0.306	0.302	1.3	100	0.06
50 C	benzene	0.703	0.714	-1.6	103	0.07
52 C	carbon tetrachloride	0.266	0.323	-21.4	119	0.06
53	cyclohexane	0.344	0.379	-10.2	116	0.06
54	tert-amyl methyl ether	0.543	0.479	11.8	88	0.06
55	dibromomethane	0.212	0.244	-15.1	114	0.06
56 C	1,2-dichloropropane	0.241	0.275	-14.1	112	0.07
57	bromodichloromethane	0.343	0.411	-19.8	120	0.06
58 C	1,4-dioxane	0.143	0.158	-10.5	112	0.06
59 C	trichloroethene	0.317	0.341	-7.6	108	0.06
60 C	2,2,4-trimethylpentane	1.038	1.205	-16.1	121	0.06
61	methyl methacrylate	0.268	0.317	-18.3	114	0.06
62	heptane	0.486	0.492	-1.2	101	0.06
63 C	cis-1,3-dichloropropene	0.325	0.346	-6.5	104	0.06
64 C	4-methyl-2-pentanone	0.576	0.588	-2.1	99	0.06
65	trans-1,3-dichloropropene	0.237	0.269	-13.5	109	0.07
66 C	1,1,2-trichloroethane	0.276	0.294	-6.5	105	0.07
67 I	chlorobenzene-D5	1.000	1.000	0.0	95	0.05
68 C	toluene	5.691	5.733	-0.7	108	0.06
71	1,3-dichloropropane	2.716	2.521	7.2	102	0.05
72	2-hexanone	3.877	3.498	9.8	94	0.06
74	dibromochloromethane	2.471	2.901	-17.4	122	0.06
75 C	1,2-dibromoethane	2.826	2.944	-4.2	111	0.05
76	butyl acetate	0.649	0.526	19.0	85	0.05
77	octane	2.034	1.948	4.2	105	0.05
78 C	tetrachloroethene	2.330	2.311	0.8	108	0.04
79	1,1,1,2-tetrachloroethane	1.979	2.084	-5.3	110	0.05
80 C	chlorobenzene	4.810	4.849	-0.8	110	0.05
81 C	ethylbenzene	7.305	7.077	3.1	102	0.04
83 C	m+p-xylene	5.774	5.971	-3.4	109	0.04

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	1.895	2.304	-21.6	123	0.05
85 C	styrene	4.691	4.634	1.2	102	0.04
86 C	1,1,2,2-tetrachloroethane	4.168	4.857	-16.5	122	0.04
87 C	o-xylene	5.790	6.121	-5.7	111	0.05
88	1,2,3-trichloropropane	3.236	3.214	0.7	108	0.04
89	nonane	5.294	4.788	9.6	93	0.04
91 C	isopropylbenzene	7.529	7.649	-1.6	108	0.04
92	bromobenzene	4.202	4.180	0.5	109	0.04
93	2-chlorotoluene	2.333	2.255	3.3	103	0.04
94	n-propylbenzene	2.509	2.593	-3.3	112	0.04
95	4-chlorotoluene	2.301	2.255	2.0	105	-0.02
96	4-ethyl toluene	7.802	7.993	-2.4	108	0.04
97	1,3,5-trimethylbenzene	6.617	7.048	-6.5	111	0.04
98	tert-butylbenzene	6.974	7.224	-3.6	112	0.04
99	1,2,4-trimethylbenzene	6.547	7.055	-7.8	109	0.04
100	decane	5.262	5.569	-5.8	115	0.04
101 C	Benzyl Chloride	3.067	3.315	-8.1	107	0.04
102	1,3-dichlorobenzene	4.381	4.774	-9.0	114	0.04
103 C	1,4-dichlorobenzene	4.305	4.774	-10.9	114	-0.02
104	sec-butylbenzene	9.532	9.718	-2.0	106	0.04
106	p-isopropyltoluene	8.387	7.931	5.4	100	0.03
107	1,2-dichlorobenzene	4.183	4.381	-4.7	109	0.03
108	n-butylbenzene	7.110	7.605	-7.0	114	0.04
111 C	1,2-dibromo-3-chloropropane	1.448	1.533	-5.9	102	0.04
112	undecane	5.623	5.901	-4.9	111	0.04
114	dodecane	5.419	5.549	-2.4	101	0.04
115 C	1,2,4-trichlorobenzene	2.784	2.633	5.4	92	0.04
116	naphthalene	7.882	7.986	-1.3	97	0.05
117	1,2,3-trichlorobenzene	2.534	2.472	2.4	94	0.04
119 C	hexachlorobutadiene	2.615	2.594	0.8	105	0.05

* 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\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.883	49	259437	10.000	ppbV	0.07
Standard Area = 259437			Recovery	=	100.00%	
43) 1,4-difluorobenzene	11.090	114	706449	10.000	ppbV	0.06
Standard Area = 706449			Recovery	=	100.00%	
67) chlorobenzene-D5	15.842	54	106378	10.000	ppbV	0.05
Standard Area = 106378			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) chlorodifluoromethane	3.808	51	204627	9.678	ppbV	95
3) propylene	3.838	41	117257M6	10.053	ppbV	
4) propane	3.862	29	121520	8.337	ppbV #	89
5) dichlorodifluoromethane	3.910	85	269521	10.396	ppbV	98
6) chloromethane	4.066	50	132035	9.411	ppbV	97
7) Freon-114	4.168	85	318781	10.451	ppbV	97
8) methanol	4.222	31	346834	40.348	ppbV	97
9) vinyl chloride	4.282	62	132611	10.212	ppbV	99
10) 1,3-butadiene	4.426	54	104931	9.110	ppbV	82
11) butane	4.480	43	218480	10.798	ppbV	98
13) bromomethane	4.690	94	116703	10.506	ppbV	95
14) chloroethane	4.876	64	62720	10.247	ppbV	98
15) ethanol	4.990	31	365647	37.464	ppbV #	84
16) dichlorofluoromethane	4.978	67	259040	11.196	ppbV	100
17) vinyl bromide	5.240	106	111733	9.817	ppbV	99
18) acrolein	5.360	56	49999	8.194	ppbV	97
19) acetone	5.493	43	900694	45.209	ppbV #	94
20) acetonitrile	5.217	41	117063	10.233	ppbV	99
21) trichlorofluoromethane	5.687	101	195641	8.510	ppbV	97
22) isopropyl alcohol	5.760	45	640047	25.415	ppbV	99
23) acrylonitrile	6.000	53	111860	9.782	ppbV	98
24) pentane	6.077	43	369533	12.405	ppbV	98
25) ethyl ether	6.097	31	266379	12.008	ppbV	95
26) 1,1-dichloroethene	6.372	61	235146	12.661	ppbV	91
27) tertiary butyl alcohol	6.408	59	226031	10.977	ppbV	98
28) methylene chloride	6.510	49	183291	10.030	ppbV	84
29) 3-chloropropene	6.636	41	228291	11.342	ppbV	95
30) carbon disulfide	6.804	76	423616	10.060	ppbV	100
31) Freon 113	6.804	101	300234	11.190	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) trans-1,2-dichloroethene	7.542	61	219412	11.633	ppbV	91
33) 1,1-dichloroethane	7.758	63	283525	11.903	ppbV	95
34) MTBE	7.825	73	308492	9.595	ppbV	94
35) vinyl acetate	7.942	43	249255	8.102	ppbV #	96
36) 2-butanone	8.192	43	341002	10.102	ppbV #	97
37) cis-1,2-dichloroethene	8.700	61	215850	12.116	ppbV	88
38) Ethyl Acetate	8.958	61	59096	12.840	ppbV	74
39) chloroform	9.033	83	287687	11.662	ppbV	97
40) Tetrahydrofuran	9.458	42	194780	9.782	ppbV	98
41) 2,2-dichloropropane	9.058	77	183830	10.654	ppbV	96
42) 1,2-dichloroethane	9.858	62	178505	12.199	ppbV	93
44) hexane	8.950	57	282640	12.371	ppbV #	65
45) diisopropyl ether	8.942	87	123471	10.185	ppbV	74
46) tert-butyl ethyl ether	9.550	59	406792	10.631	ppbV	98
48) 1,1,1-trichloroethane	10.142	97	225655	10.720	ppbV	91
49) 1,1-dichloropropene	10.510	75	213404	9.881	ppbV	92
50) benzene	10.670	78	504435	10.163	ppbV	100
52) carbon tetrachloride	10.837	117	228298	12.168	ppbV	98
53) cyclohexane	10.983	56	268026	11.019	ppbV	97
54) tert-amyl methyl ether	11.357	73	338175	8.823	ppbV	95
55) dibromomethane	11.570	93	172228	11.480	ppbV	91
56) 1,2-dichloropropane	11.610	63	194410	11.415	ppbV	97
57) bromodichloromethane	11.830	83	290568	11.979	ppbV	99
58) 1,4-dioxane	11.863	88	111681	11.049	ppbV	96
59) trichloroethene	11.883	130	240812	10.740	ppbV	99
60) 2,2,4-trimethylpentane	11.937	57	851186	11.603	ppbV	100
61) methyl methacrylate	12.130	41	223928	11.808	ppbV	93
62) heptane	12.257	43	347920	10.137	ppbV	90
63) cis-1,3-dichloropropene	12.900	75	244758	10.674	ppbV	97
64) 4-methyl-2-pentanone	12.933	43	415174	10.207	ppbV	92
65) trans-1,3-dichloropropene	13.525	75	189883	11.321	ppbV	94
66) 1,1,2-trichloroethane	13.725	97	207678	10.639	ppbV #	87
68) toluene	14.050	91	609914	10.075	ppbV	98
71) 1,3-dichloropropane	14.075	76	268184	9.281	ppbV	98
72) 2-hexanone	14.342	43	372060	9.021	ppbV	93
74) dibromochloromethane	14.508	129	308635	11.740	ppbV	99
75) 1,2-dibromoethane	14.758	107	313194	10.418	ppbV	99
76) butyl acetate	15.008	73	55951	8.102	ppbV	91
77) octane	15.108	85	207262	9.581	ppbV	89
78) tetrachloroethene	15.225	166	245840	9.916	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-2,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

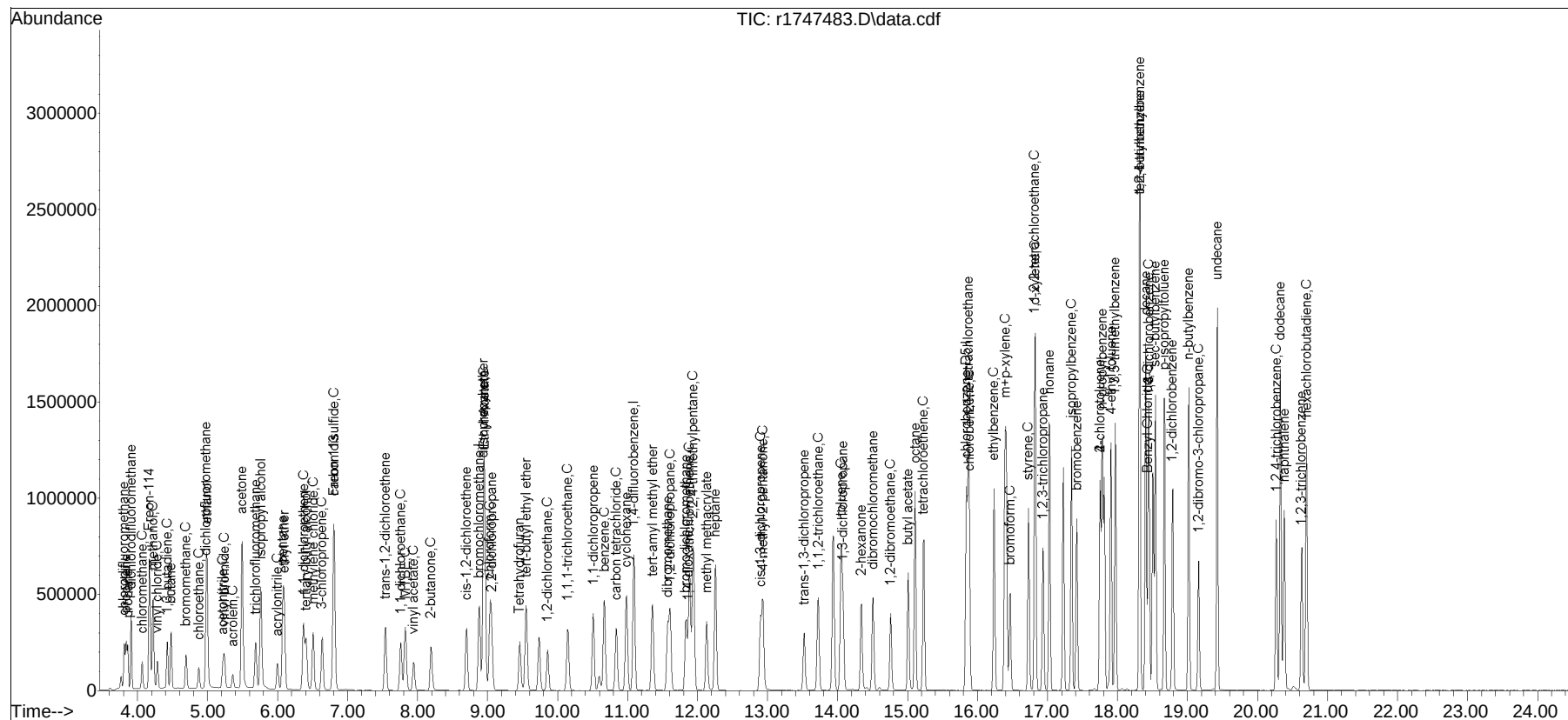
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79)	1,1,1,2-tetrachloroethane	15.867	131	221700	10.532	ppbV	99
80)	chlorobenzene	15.883	112	515823	10.081	ppbV	99
81)	ethylbenzene	16.233	91	752796	9.688	ppbV	98
83)	m+p-xylene	16.400	91	1270318	20.683	ppbV	98
84)	bromoform	16.467	173	245048	12.156	ppbV	98
85)	styrene	16.725	104	492918	9.877	ppbV	97
86)	1,1,2,2-tetrachloroethane	16.817	83	516640	11.652	ppbV	99
87)	o-xylene	16.825	91	651181	10.573	ppbV	96
88)	1,2,3-trichloropropane	16.933	75	341936	9.934	ppbV	98
89)	nonane	17.025	43	509295	9.043	ppbV #	82
91)	isopropylbenzene	17.342	105	813678	10.160	ppbV	97
92)	bromobenzene	17.417	77	444692	9.949	ppbV	97
93)	2-chlorotoluene	17.750	126	239916	9.669	ppbV	97
94)	n-propylbenzene	17.783	120	275860	10.337	ppbV	86
95)	4-chlorotoluene	17.750	126	239916	9.803	ppbV	98
96)	4-ethyl toluene	17.908	105	850229	10.244	ppbV	97
97)	1,3,5-trimethylbenzene	17.967	105	749754	10.651	ppbV	99
98)	tert-butylbenzene	18.317	119	768496	10.359	ppbV	97
99)	1,2,4-trimethylbenzene	18.317	105	750458	10.776	ppbV	98
100)	decane	18.400	57	592410	10.583	ppbV	87
101)	Benzyl Chloride	18.433	91	352678	10.808	ppbV	99
102)	1,3-dichlorobenzene	18.450	146	507880	10.897	ppbV	99
103)	1,4-dichlorobenzene	18.450	146	507880	11.089	ppbV	98
104)	sec-butylbenzene	18.542	105	1033813	10.195	ppbV	100
106)	p-isopropyltoluene	18.667	119	843692	9.457	ppbV	97
107)	1,2-dichlorobenzene	18.783	146	466046	10.473	ppbV	96
108)	n-butylbenzene	19.017	91	809004	10.697	ppbV	96
111)	1,2-dibromo-3-chloropr...	19.158	75	163054	10.586	ppbV	94
112)	undecane	19.425	57	627712	10.493	ppbV	91
114)	dodecane	20.325	57	590319	10.240	ppbV	93
115)	1,2,4-trichlorobenzene	20.267	180	280089	9.457	ppbV	97
116)	naphthalene	20.383	128	849487	10.132	ppbV	100
117)	1,2,3-trichlorobenzene	20.625	180	262983	9.756	ppbV	98
119)	hexachlorobutadiene	20.700	225	275902	9.917	ppbV	94

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

Sub List : Default-LCS-AP2 - All compounds listedr1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
Data File : r1747483.D
Acq On : 6 Mar 2025 4:48 PM
Operator : AIRLAB17:TPH
Sample : WG2037508-2,3,250,250
Misc : WG2037508,ICAL21812
ALS Vial : 0 Sample Multiplier: 1

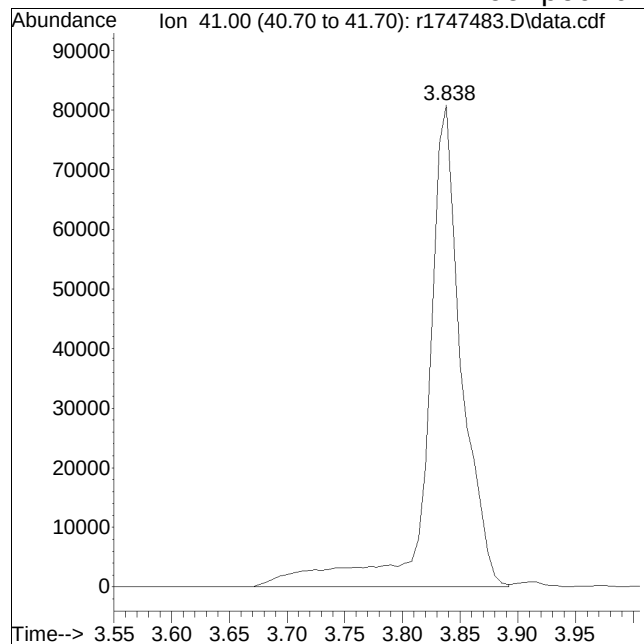
Quant Time: Mar 06 16:57:23 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 13:55:18 2024
Response via : Initial Calibration



Manual Integration Report

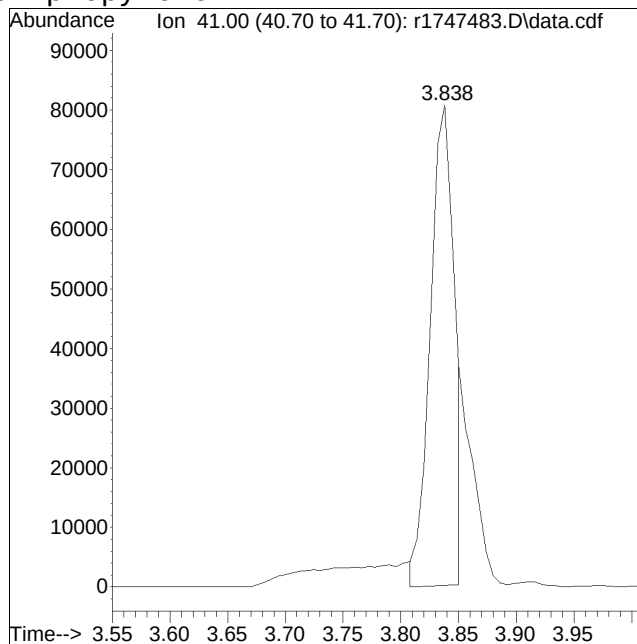
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_241220.M
Data File : r1747483.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 4:48 PM Instrument :
Sample : WG2037508-2, 3, 250, 250 Quant Date : 3/6/2025 4:57 pm

Compound #3: propylene



Original Peak Response = 166435

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



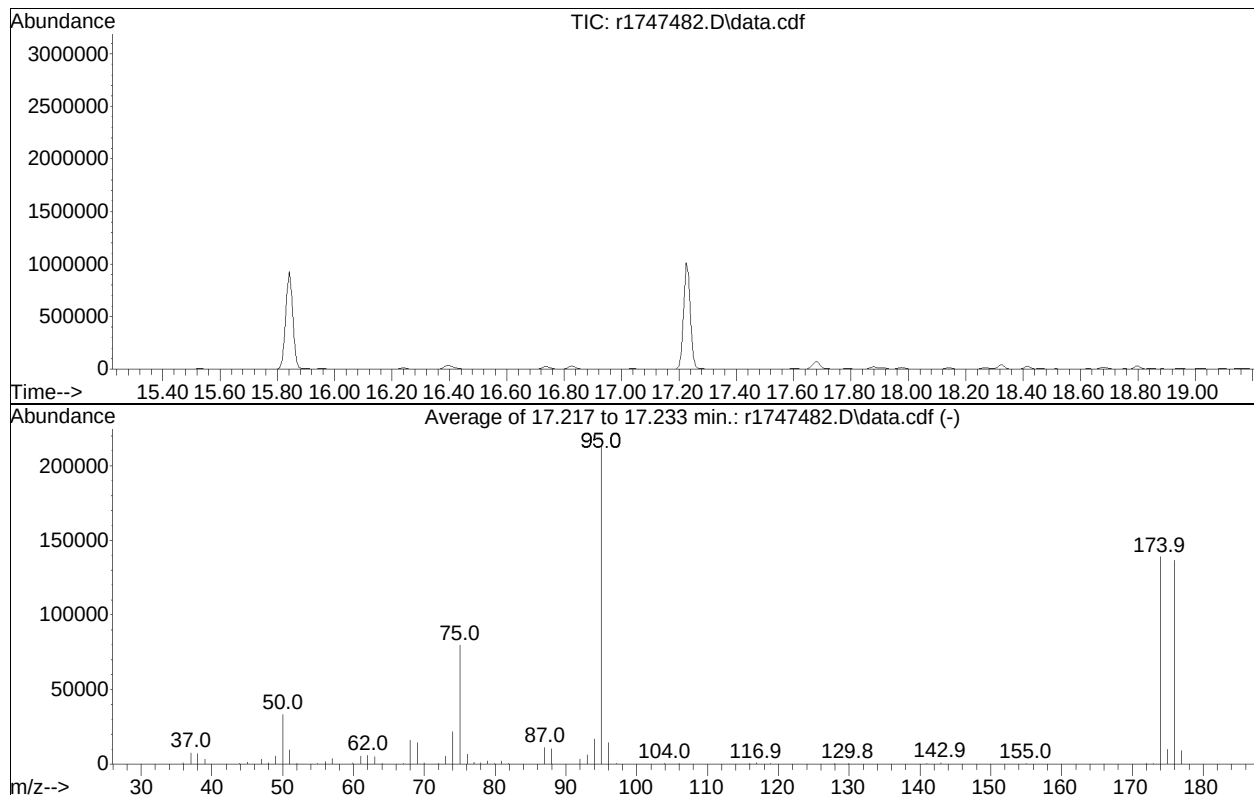
Manual Peak Response = 117257 M6

BFB

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
Data File : r1747482.D
Acq On : 6 Mar 2025 4:08 PM
Operator : AIRLAB17:TPH
Sample : WG2037508-1,3,250,250
Misc : WG2037508,ICAL21812
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024



Spectrum Information: Average of 17.217 to 17.233 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.5	33263	PASS
75	95	30	66	37.4	80009	PASS
95	95	100	100	100.0	214176	PASS
96	95	5	9	6.7	14392	PASS
173	174	0.00	2	0.5	721	PASS
174	95	50	120	64.9	139057	PASS
175	174	4	9	7.1	9843	PASS
176	174	93	101	98.3	136707	PASS
177	176	5	9	6.6	9047	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747485.D
 Acq On : 6 Mar 2025 6:59 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-4,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:36:42 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.875	49	249192	10.000	ppbV	0.06
Standard Area = 259437			Recovery =		96.05%	
43) 1,4-difluorobenzene	11.090	114	643228	10.000	ppbV	0.06
Standard Area = 706449			Recovery =		91.05%	
67) chlorobenzene-D5	15.842	54	96717	10.000	ppbV	0.05
Standard Area = 106378			Recovery =		90.92%	

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	5.002	31	779	0.083	ppbV # 22
17) vinyl bromide	0.000		0	N.D.	
19) acetone	5.473		0	N.D.	
21) trichlorofluoromethane	0.000		0	N.D.	
22) isopropyl alcohol	5.740		0	N.D.	
26) 1,1-dichloroethene	0.000		0	N.D.	
27) tertiary butyl alcohol	0.000		0	N.D.	
28) methylene chloride	6.510		0	N.D.	
29) 3-chloropropene	0.000		0	N.D.	
30) carbon disulfide	0.000		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	0.000		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	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747485.D
 Acq On : 6 Mar 2025 6:59 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-4,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:36:42 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.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.	
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	0.000		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	0.000		0		N.D.	
72) 2-hexanone	0.000		0		N.D.	
74) dibromochloromethane	0.000		0		N.D.	
75) 1,2-dibromoethane	0.000		0		N.D.	
78) tetrachloroethene	0.000		0		N.D.	
80) chlorobenzene	0.000		0		N.D.	
81) ethylbenzene	0.000		0		N.D.	
83) m+p-xylene	0.000		0		N.D.	
84) bromoform	0.000		0		N.D.	
85) styrene	0.000		0		N.D.	
86) 1,1,2,2-tetrachloroethane	16.833		0		N.D.	
87) o-xylene	0.000		0		N.D.	
96) 4-ethyl toluene	0.000		0		N.D.	
97) 1,3,5-trimethylbenzene	0.000		0		N.D.	
99) 1,2,4-trimethylbenzene	0.000		0		N.D.	
101) Benzyl Chloride	0.000		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	18.800		0		N.D.	
115) 1,2,4-trichlorobenzene	20.275		0		N.D.	
116) naphthalene	20.392		0		N.D.	
119) hexachlorobutadiene	20.708		0		N.D.	

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747485.D
 Acq On : 6 Mar 2025 6:59 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-4,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:36:42 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.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 listedr1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747485.D

Acq On : 6 Mar 2025 6:59 PM

Operator : AIRLAB17:TPH

Sample : WG2037508-4,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

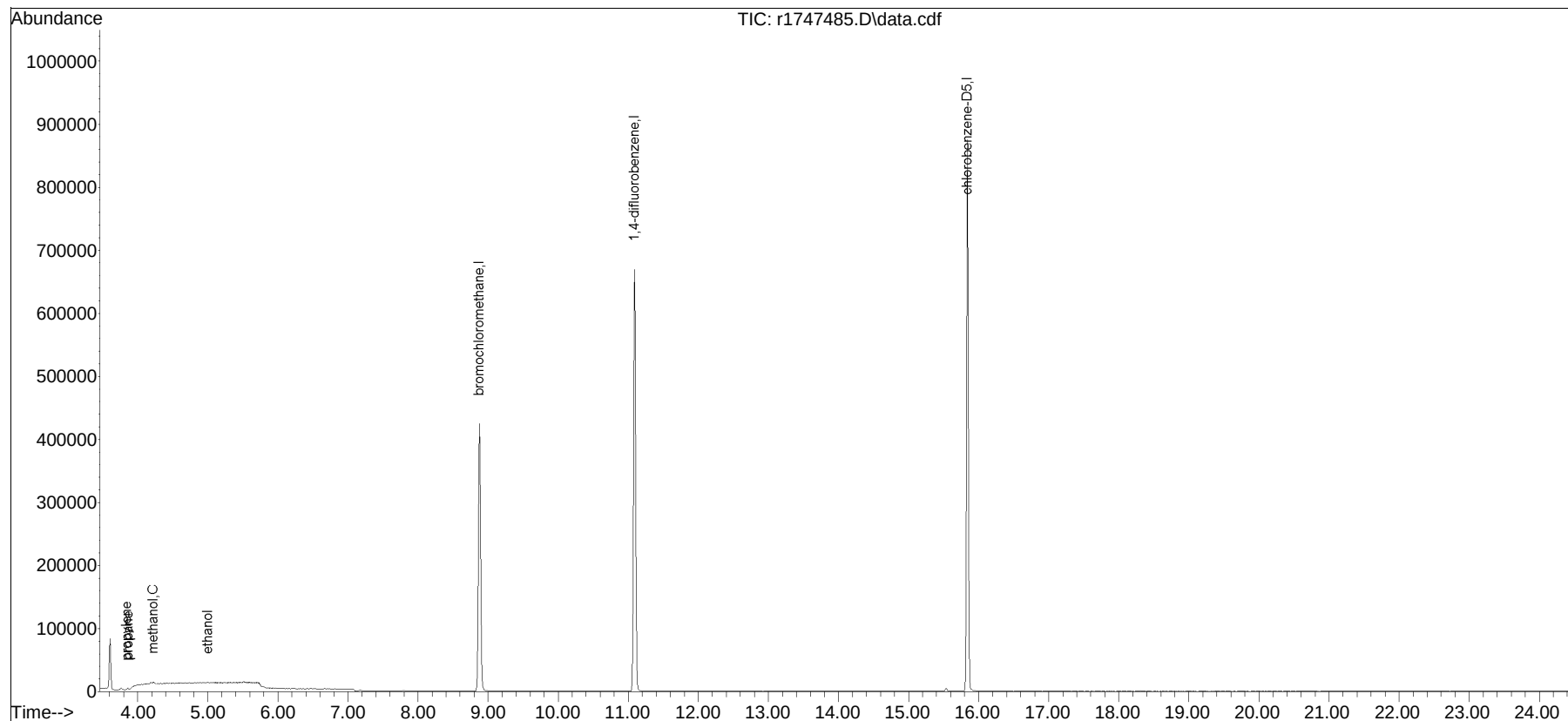
Quant Time: Mar 07 07:36:42 2025

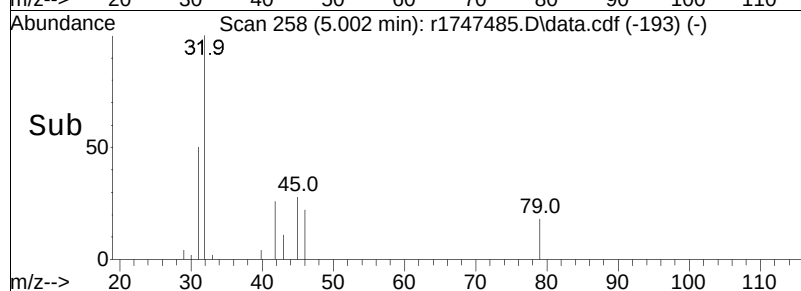
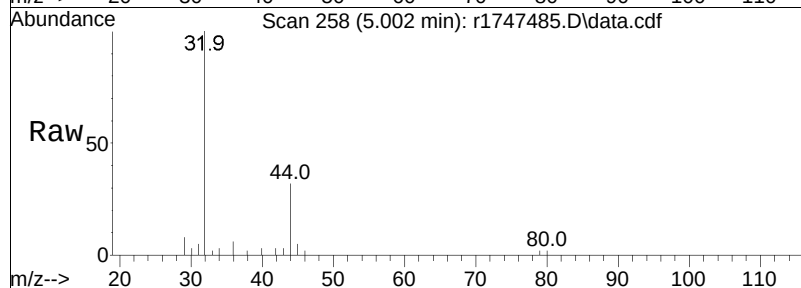
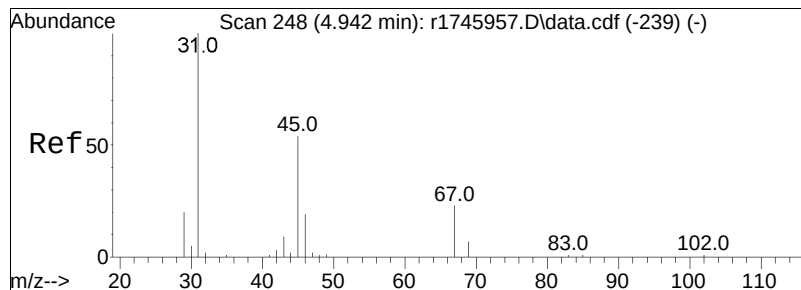
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

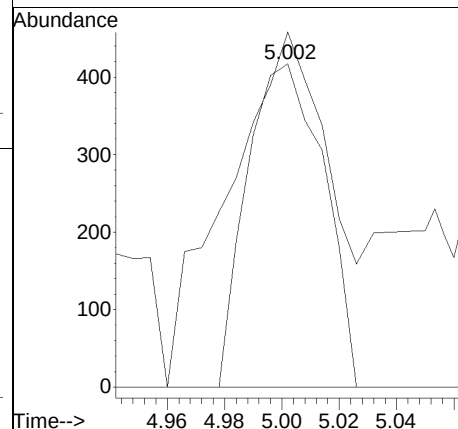
Response via : Initial Calibration





#15
ethanol
Concen: 0.08 ppbV
RT: 5.002 min Scan# 258
Delta R.T. 0.060 min
Lab File: r1747485.D
Acq: 6 Mar 2025 6:59 PM

Tgt Ion:	31	Resp:	779
Ion Ratio	Lower	Upper	
31	100		
45	109.8	43.0	64.6#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TFS17_241220.M
Data File	: r1747485.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 6:59 PM	Instrument	:
Sample	: WG2037508-4,3,250,250	Quant Date	: 3/7/2025 7:36 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	87	0.07
2	chlorodifluoromethane	10.000	9.678	3.2	94	0.04
3	propylene	10.000	10.053	-0.5	98	0.04
4	propane	10.000	8.337	16.6	83	0.04
5	dichlorodifluoromethane	10.000	10.396	-4.0	99	0.04
6 C	chloromethane	10.000	9.411	5.9	90	0.04
7	Freon-114	10.000	10.451	-4.5	98	0.04
8 C	methanol	50.000	40.348	19.3	83	0.04
9 C	vinyl chloride	10.000	10.212	-2.1	101	0.04
10 C	1,3-butadiene	10.000	9.110	8.9	91	0.05
11	butane	10.000	10.798	-8.0	103	0.05
13 C	bromomethane	10.000	10.506	-5.1	104	0.05
14 C	chloroethane	10.000	10.247	-2.5	104	0.05
15	ethanol	50.000	37.464	25.1	69	0.05
16	dichlorofluoromethane	10.000	11.196	-12.0	112	0.05
17 C	vinyl bromide	10.000	9.817	1.8	100	0.05
18 C	acrolein	10.000	8.194	18.1	82	0.05
19	acetone	50.000	45.209	9.6	89	0.05
20 C	acetonitrile	10.000	10.233	-2.3	103	0.05
21	trichlorofluoromethane	10.000	8.510	14.9	81	0.06
22	isopropyl alcohol	25.000	25.415	-1.7	88	0.05
23 C	acrylonitrile	10.000	9.782	2.2	101	0.06
24	pentane	10.000	12.405	-24.0	121	0.06
25	ethyl ether	10.000	12.008	-20.1	126	0.06
26 C	1,1-dichloroethene	10.000	12.661	-26.6	124	0.06
27	tertiary butyl alcohol	10.000	10.977	-9.8	111	0.06
28 C	methylene chloride	10.000	10.030	-0.3	101	0.06
29 C	3-chloropropene	10.000	11.342	-13.4	111	0.05
30 C	carbon disulfide	10.000	10.060	-0.6	98	0.06
31	Freon 113	10.000	11.190	-11.9	108	0.05
32	trans-1,2-dichloroethene	10.000	11.633	-16.3	116	0.06
33 C	1,1-dichloroethane	10.000	11.903	-19.0	115	0.06
34 C	MTBE	10.000	9.595	4.0	95	0.07
35 C	vinyl acetate	10.000	8.102	19.0	76	0.06
36 C	2-butanone	10.000	10.102	-1.0	98	0.06
37	cis-1,2-dichloroethene	10.000	12.116	-21.2	117	0.07
38	Ethyl Acetate	10.000	12.840	-28.4	124	0.06
39 C	chloroform	10.000	11.662	-16.6	115	0.06
40	Tetrahydrofuran	10.000	9.782	2.2	95	0.07

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	10.654	-6.5	104	0.07
42 C	1,2-dichloroethane	10.000	12.199	-22.0	119	0.07
43 I	1,4-difluorobenzene	10.000	10.000	0.0	87	0.06
44 C	hexane	10.000	12.371	-23.7	129	0.06
45	diisopropyl ether	10.000	10.185	-1.9	105	0.06
46	tert-butyl ethyl ether	10.000	10.631	-6.3	107	0.06
48 C	1,1,1-trichloroethane	10.000	10.720	-7.2	106	0.06
49	1,1-dichloropropene	10.000	9.881	1.2	100	0.06
50 C	benzene	10.000	10.163	-1.6	103	0.07
52 C	carbon tetrachloride	10.000	12.168	-21.7	119	0.06
53	cyclohexane	10.000	11.019	-10.2	116	0.06
54	tert-amyl methyl ether	10.000	8.823	11.8	88	0.06
55	dibromomethane	10.000	11.480	-14.8	114	0.06
56 C	1,2-dichloropropane	10.000	11.415	-14.1	112	0.07
57	bromodichloromethane	10.000	11.979	-19.8	120	0.06
58 C	1,4-dioxane	10.000	11.049	-10.5	112	0.06
59 C	trichloroethene	10.000	10.740	-7.4	108	0.06
60 C	2,2,4-trimethylpentane	10.000	11.603	-16.0	121	0.06
61	methyl methacrylate	10.000	11.808	-18.1	114	0.06
62	heptane	10.000	10.137	-1.4	101	0.06
63 C	cis-1,3-dichloropropene	10.000	10.674	-6.7	104	0.06
64 C	4-methyl-2-pentanone	10.000	10.207	-2.1	99	0.06
65	trans-1,3-dichloropropene	10.000	11.321	-13.2	109	0.07
66 C	1,1,2-trichloroethane	10.000	10.639	-6.4	105	0.07
67 I	chlorobenzene-D5	10.000	10.000	0.0	95	0.05
68 C	toluene	10.000	10.075	-0.7	108	0.06
71	1,3-dichloropropane	10.000	9.281	7.2	102	0.05
72	2-hexanone	10.000	9.021	9.8	94	0.06
74	dibromochloromethane	10.000	11.740	-17.4	122	0.06
75 C	1,2-dibromoethane	10.000	10.418	-4.2	111	0.05
76	butyl acetate	10.000	8.102	19.0	85	0.05
77	octane	10.000	9.581	4.2	105	0.05
78 C	tetrachloroethene	10.000	9.916	0.8	108	0.04
79	1,1,1,2-tetrachloroethane	10.000	10.532	-5.3	110	0.05
80 C	chlorobenzene	10.000	10.081	-0.8	110	0.05
81 C	ethylbenzene	10.000	9.688	3.1	102	0.04
83 C	m+p-xylene	20.000	20.683	-3.4	109	0.04

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 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	12.156	-21.6	123	0.05
85 C	styrene	10.000	9.877	1.2	102	0.04
86 C	1,1,2,2-tetrachloroethane	10.000	11.652	-16.5	122	0.04
87 C	o-xylene	10.000	10.573	-5.7	111	0.05
88	1,2,3-trichloropropane	10.000	9.934	0.7	108	0.04
89	nonane	10.000	9.043	9.6	93	0.04
91 C	isopropylbenzene	10.000	10.160	-1.6	108	0.04
92	bromobenzene	10.000	9.949	0.5	109	0.04
93	2-chlorotoluene	10.000	9.669	3.3	103	0.04
94	n-propylbenzene	10.000	10.337	-3.4	112	0.04
95	4-chlorotoluene	10.000	9.803	2.0	105	-0.02
96	4-ethyl toluene	10.000	10.244	-2.4	108	0.04
97	1,3,5-trimethylbenzene	10.000	10.651	-6.5	111	0.04
98	tert-butylbenzene	10.000	10.359	-3.6	112	0.04
99	1,2,4-trimethylbenzene	10.000	10.776	-7.8	109	0.04
100	decane	10.000	10.583	-5.8	115	0.04
101 C	Benzyl Chloride	10.000	10.808	-8.1	107	0.04
102	1,3-dichlorobenzene	10.000	10.897	-9.0	114	0.04
103 C	1,4-dichlorobenzene	10.000	11.089	-10.9	114	-0.02
104	sec-butylbenzene	10.000	10.195	-2.0	106	0.04
106	p-isopropyltoluene	10.000	9.457	5.4	100	0.03
107	1,2-dichlorobenzene	10.000	10.473	-4.7	109	0.03
108	n-butylbenzene	10.000	10.697	-7.0	114	0.04
111 C	1,2-dibromo-3-chloropropane	10.000	10.586	-5.9	102	0.04
112	undecane	10.000	10.493	-4.9	111	0.04
114	dodecane	10.000	10.240	-2.4	101	0.04
115 C	1,2,4-trichlorobenzene	10.000	9.457	5.4	92	0.04
116	naphthalene	10.000	10.132	-1.3	97	0.05
117	1,2,3-trichlorobenzene	10.000	9.756	2.4	94	0.04
119 C	hexachlorobutadiene	10.000	9.917	0.8	105	0.05

* 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\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.883	49	259437	10.000	ppbV	0.07
Standard Area = 259437			Recovery	=	100.00%	
43) 1,4-difluorobenzene	11.090	114	706449	10.000	ppbV	0.06
Standard Area = 706449			Recovery	=	100.00%	
67) chlorobenzene-D5	15.842	54	106378	10.000	ppbV	0.05
Standard Area = 106378			Recovery	=	100.00%	

System Monitoring Compounds

Target Compounds					Qvalue	
5) dichlorodifluoromethane	3.910	85	269521	10.396	ppbV	98
6) chloromethane	4.066	50	132035	9.411	ppbV	97
7) Freon-114	4.168	85	318781	10.451	ppbV	97
9) vinyl chloride	4.282	62	132611	10.212	ppbV	99
10) 1,3-butadiene	4.426	54	104931	9.110	ppbV	82
13) bromomethane	4.690	94	116703	10.506	ppbV	95
14) chloroethane	4.876	64	62720	10.247	ppbV	98
15) ethanol	4.990	31	365647	37.464	ppbV #	84
17) vinyl bromide	5.240	106	111733	9.817	ppbV	99
19) acetone	5.493	43	900694	45.209	ppbV #	94
21) trichlorofluoromethane	5.687	101	195641	8.510	ppbV	97
22) isopropyl alcohol	5.760	45	640047	25.415	ppbV	99
26) 1,1-dichloroethene	6.372	61	235146	12.661	ppbV	91
27) tertiary butyl alcohol	6.408	59	226031	10.977	ppbV	98
28) methylene chloride	6.510	49	183291	10.030	ppbV	84
29) 3-chloropropene	6.636	41	228291	11.342	ppbV	95
30) carbon disulfide	6.804	76	423616	10.060	ppbV	100
31) Freon 113	6.804	101	300234	11.190	ppbV	96
32) trans-1,2-dichloroethene	7.542	61	219412	11.633	ppbV	91
33) 1,1-dichloroethane	7.758	63	283525	11.903	ppbV	95
34) MTBE	7.825	73	308492	9.595	ppbV	94
36) 2-butanone	8.192	43	341002	10.102	ppbV #	97
37) cis-1,2-dichloroethene	8.700	61	215850	12.116	ppbV	88
38) Ethyl Acetate	8.958	61	59096	12.840	ppbV	74
39) chloroform	9.033	83	287687	11.662	ppbV	97
40) Tetrahydrofuran	9.458	42	194780	9.782	ppbV	98
42) 1,2-dichloroethane	9.858	62	178505	12.199	ppbV	93
44) hexane	8.950	57	282640	12.371	ppbV #	65

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.142	97	225655	10.720	ppbV	91
50) benzene	10.670	78	504435	10.163	ppbV	100
52) carbon tetrachloride	10.837	117	228298	12.168	ppbV	98
53) cyclohexane	10.983	56	268026	11.019	ppbV	97
56) 1,2-dichloropropane	11.610	63	194410	11.415	ppbV	97
57) bromodichloromethane	11.830	83	290568	11.979	ppbV	99
58) 1,4-dioxane	11.863	88	111681	11.049	ppbV	96
59) trichloroethene	11.883	130	240812	10.740	ppbV	99
60) 2,2,4-trimethylpentane	11.937	57	851186	11.603	ppbV	100
62) heptane	12.257	43	347920	10.137	ppbV	90
63) cis-1,3-dichloropropene	12.900	75	244758	10.674	ppbV	97
64) 4-methyl-2-pentanone	12.933	43	415174	10.207	ppbV	92
65) trans-1,3-dichloropropene	13.525	75	189883	11.321	ppbV	94
66) 1,1,2-trichloroethane	13.725	97	207678	10.639	ppbV #	87
68) toluene	14.050	91	609914	10.075	ppbV	98
72) 2-hexanone	14.342	43	372060	9.021	ppbV	93
74) dibromochloromethane	14.508	129	308635	11.740	ppbV	99
75) 1,2-dibromoethane	14.758	107	313194	10.418	ppbV	99
78) tetrachloroethene	15.225	166	245840	9.916	ppbV	97
80) chlorobenzene	15.883	112	515823	10.081	ppbV	99
81) ethylbenzene	16.233	91	752796	9.688	ppbV	98
83) m+p-xylene	16.400	91	1270318	20.683	ppbV	98
84) bromoform	16.467	173	245048	12.156	ppbV	98
85) styrene	16.725	104	492918	9.877	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.817	83	516640	11.652	ppbV	99
87) o-xylene	16.825	91	651181	10.573	ppbV	96
96) 4-ethyl toluene	17.908	105	850229	10.244	ppbV	97
97) 1,3,5-trimethylbenzene	17.967	105	749754	10.651	ppbV	99
99) 1,2,4-trimethylbenzene	18.317	105	750458	10.776	ppbV	98
101) Benzyl Chloride	18.433	91	352678	10.808	ppbV	99
102) 1,3-dichlorobenzene	18.450	146	507880	10.897	ppbV	99
103) 1,4-dichlorobenzene	18.450	146	507880	11.089	ppbV	98
107) 1,2-dichlorobenzene	18.783	146	466046	10.473	ppbV	96
115) 1,2,4-trichlorobenzene	20.267	180	280089	9.457	ppbV	97
116) naphthalene	20.383	128	849487	10.132	ppbV	100
119) hexachlorobutadiene	20.700	225	275902	9.917	ppbV	94

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747483.D
 Acq On : 6 Mar 2025 4:48 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-3,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

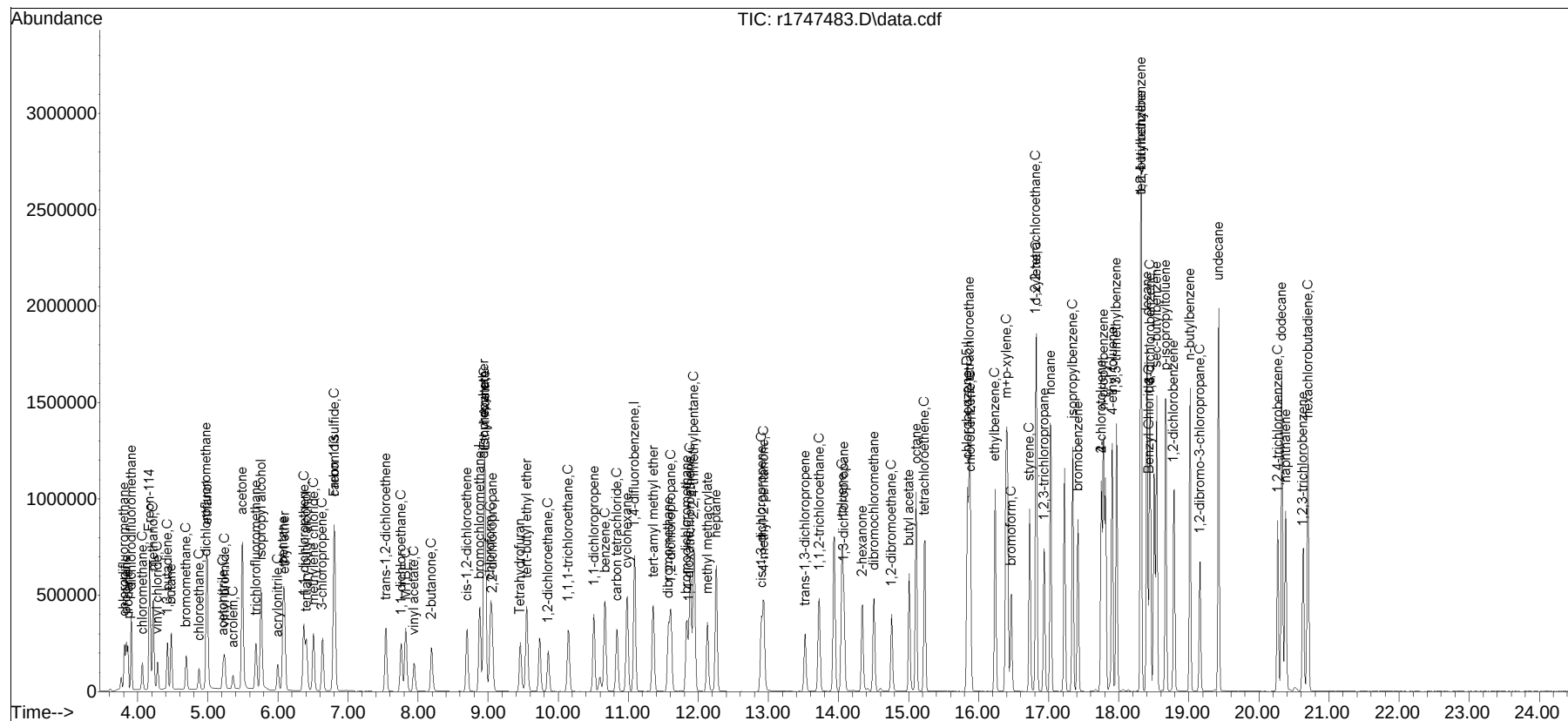
Quant Time: Mar 06 16:57:23 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
Data File : r1747483.D
Acq On : 6 Mar 2025 4:48 PM
Operator : AIRLAB17:TPH
Sample : WG2037508-2,3,250,250
Misc : WG2037508,ICAL21812
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 16:57:23 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 13:55:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747495.D
 Acq On : 7 Mar 2025 1:21 AM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-5,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:44:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

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

Internal Standards						
1) bromochloromethane	8.875	49	231277	10.000	ppbV	0.06
Standard Area = 259437			Recovery =		89.15%	
43) 1,4-difluorobenzene	11.083	114	583313	10.000	ppbV	0.05
Standard Area = 706449			Recovery =		82.57%	
67) chlorobenzene-D5	15.833	54	91014	10.000	ppbV	0.04
Standard Area = 106378			Recovery =		85.56%	

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) dichlorodifluoromethane	3.904	85	15936	0.690	ppbV	98
6) chloromethane	4.060	50	9225	0.738	ppbV	98
7) Freon-114	4.162		0	N.D.		
10) 1,3-butadiene	4.420		0	N.D.		
13) bromomethane	4.684		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.984	31	884802	101.695	ppbV #	84
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.487	43	398513M6	22.438	ppbV	
21) trichlorofluoromethane	5.683	101	5096	0.249	ppbV	99
22) isopropyl alcohol	5.760	45	90224	4.019	ppbV	99
27) tertiary butyl alcohol	6.426		0	N.D.		
28) methylene chloride	6.498	49	3015	0.185	ppbV	86
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.792		0	N.D.		
31) Freon 113	6.798	101	2721	0.114	ppbV	88
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	8.200	43	5098	0.169	ppbV #	96
38) Ethyl Acetate	8.967	61	3025	0.737	ppbV #	1
39) chloroform	9.025	83	748	0.034	ppbV #	71
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.850		0	N.D.		
44) hexane	8.942	57	3857	0.204	ppbV #	18
50) benzene	10.657	78	7938	0.194	ppbV	96
53) cyclohexane	10.977		0	N.D.		
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\
 Data File : r1747495.D
 Acq On : 7 Mar 2025 1:21 AM
 Operator : AIRLAB17:TPH
 Sample : WG2037508-5,3,250,250
 Misc : WG2037508,ICAL21812
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:44:52 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 13:55:18 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306T\r1747483.D
 Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0		N.D.	
58) 1,4-dioxane	0.000		0		N.D.	
60) 2,2,4-trimethylpentane	11.937	57	2568	0.042	ppbV #	82
62) heptane	12.257	43	1002	0.035	ppbV #	87
63) cis-1,3-dichloropropene	0.000		0		N.D.	
64) 4-methyl-2-pentanone	0.000		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	14.050	91	8458	0.163	ppbV	93
72) 2-hexanone	14.292		0		N.D.	
74) dibromochloromethane	0.000		0		N.D.	
75) 1,2-dibromoethane	0.000		0		N.D.	
80) chlorobenzene	0.000		0		N.D.	
81) ethylbenzene	16.233		0		N.D.	
83) m+p-xylene	16.392	91	3274	0.062	ppbV	88
84) bromoform	0.000		0		N.D.	
85) styrene	16.725		0		N.D.	
86) 1,1,2,2-tetrachloroethane	0.000		0		N.D.	
87) o-xylene	16.825		0		N.D.	
96) 4-ethyl toluene	17.875		0		N.D.	
97) 1,3,5-trimethylbenzene	17.908		0		N.D.	
99) 1,2,4-trimethylbenzene	18.317	105	1822M6	0.031	ppbV	
101) Benzyl Chloride	18.267		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	0.000		0		N.D.	
119) hexachlorobutadiene	0.000		0		N.D.	

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

Sub List : T015-NY-7-sim+Naphthalene - .03\0306T\r1747483.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306T\

Data File : r1747495.D

Acq On : 7 Mar 2025 1:21 AM

Operator : AIRLAB17:TPH

Sample : WG2037508-5,3,250,250

Misc : WG2037508,ICAL21812

ALS Vial : 0 Sample Multiplier: 1

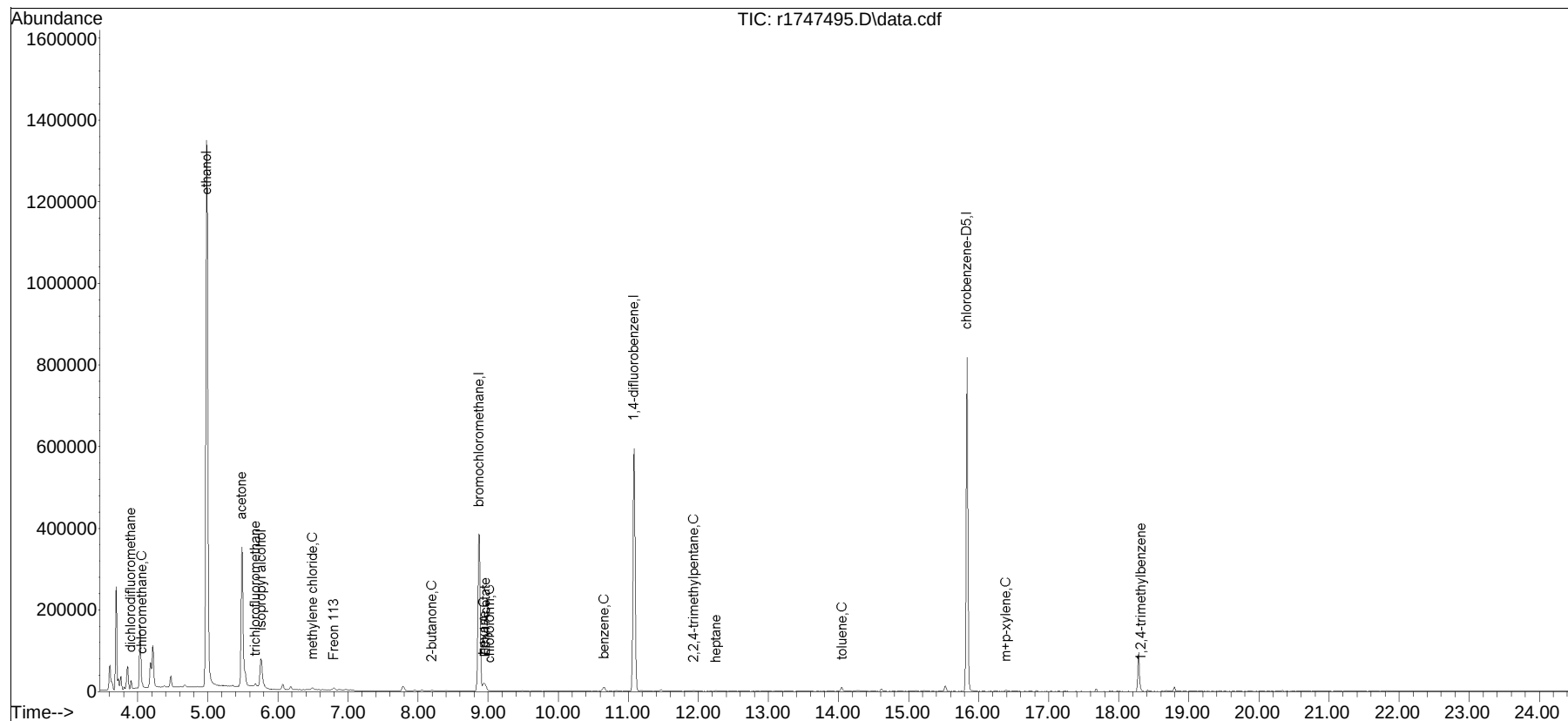
Quant Time: Mar 07 07:44:52 2025

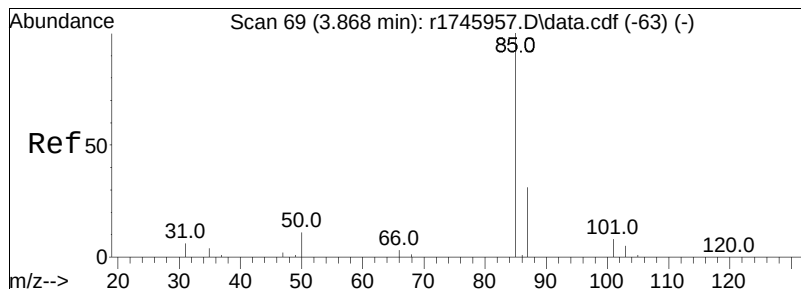
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306T\TFS17_241220.M

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

QLast Update : Mon Dec 23 13:55:18 2024

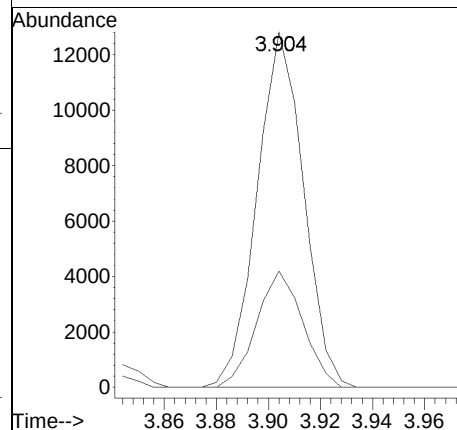
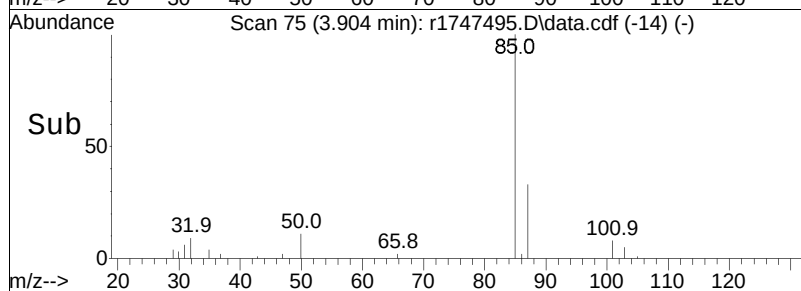
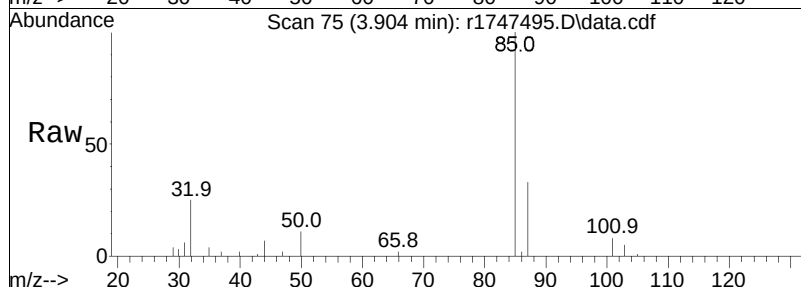
Response via : Initial Calibration

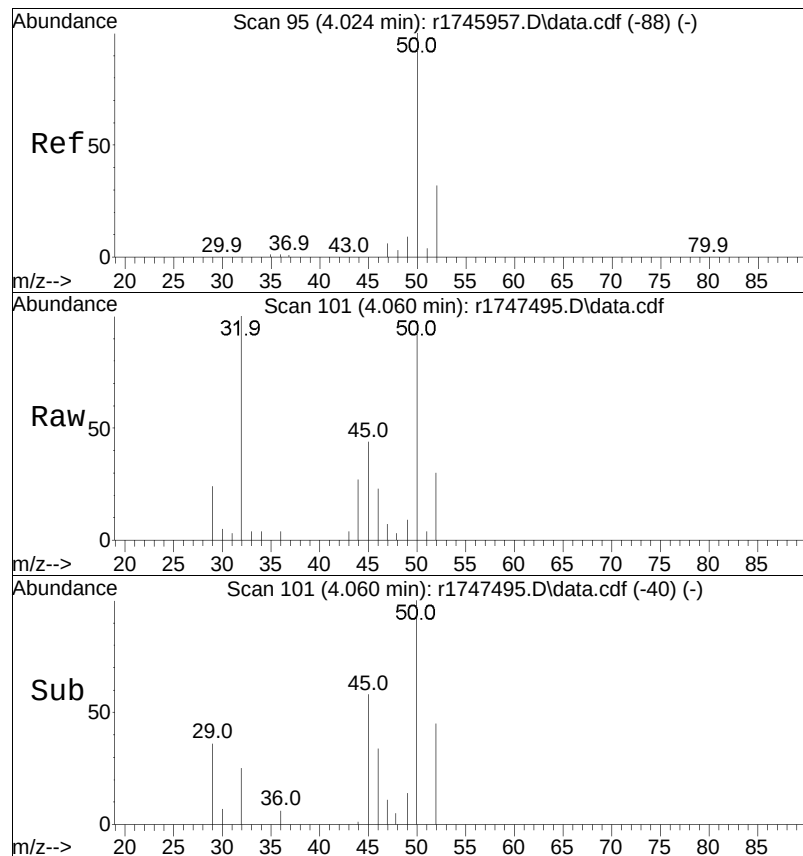




#5
dichlorodifluoromethane
Concen: 0.69 ppbV
RT: 3.904 min Scan# 75
Delta R.T. 0.036 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

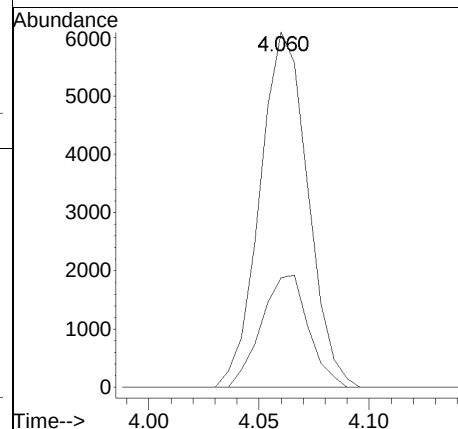
Tgt Ion: 85 Resp: 15936
Ion Ratio Lower Upper
85 100
87 32.7 25.2 37.8

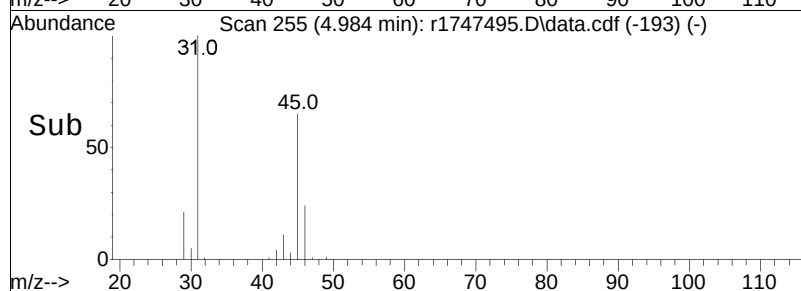
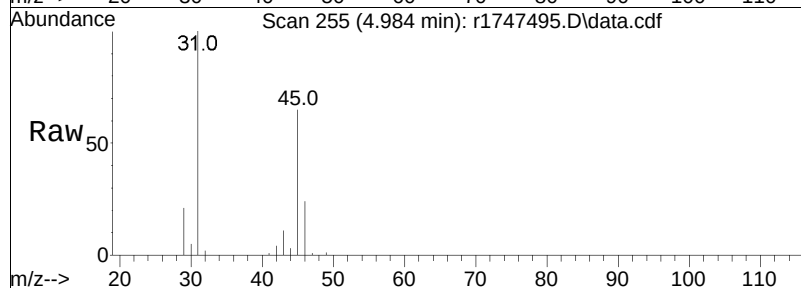
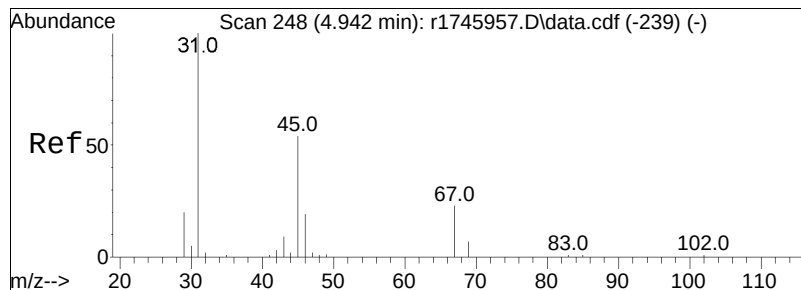




#6
 chloromethane
 Concen: 0.74 ppbV
 RT: 4.060 min Scan# 101
 Delta R.T. 0.036 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

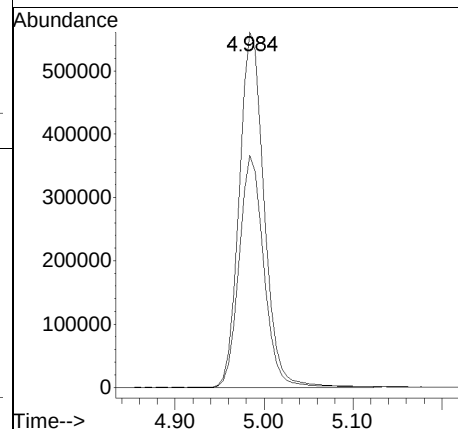
Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.9	25.4	38.2

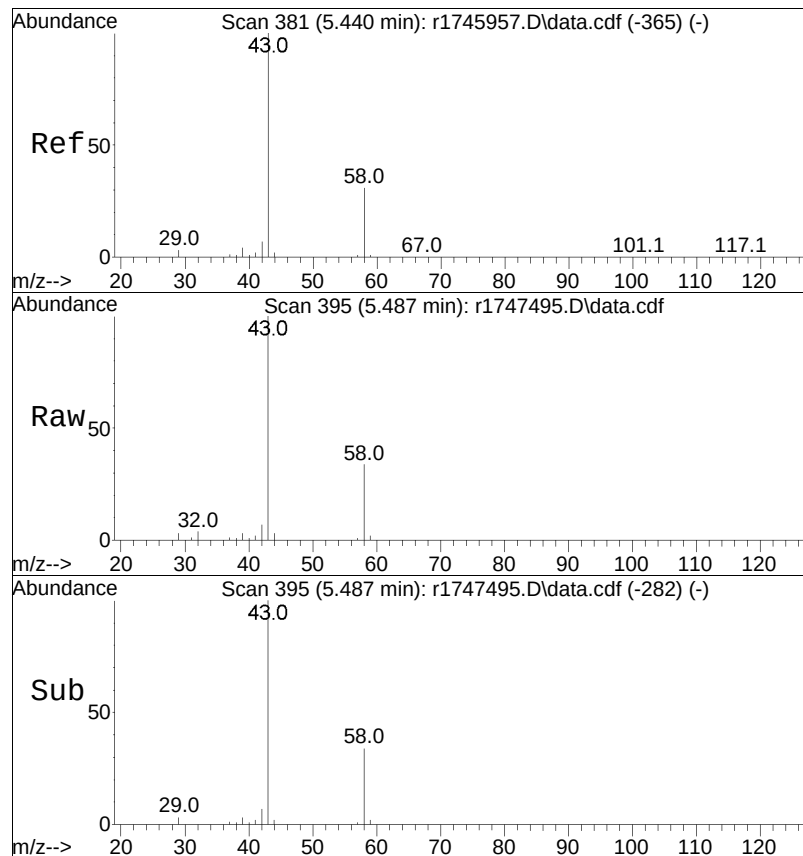




#15
ethanol
Concen: 101.69 ppbV
RT: 4.984 min Scan# 255
Delta R.T. 0.042 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

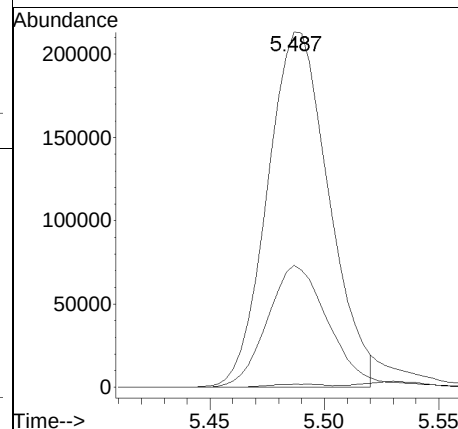
Tgt	Ion	Ratio	Lower	Upper
31	100			
45	65.3	43.0	64.6	

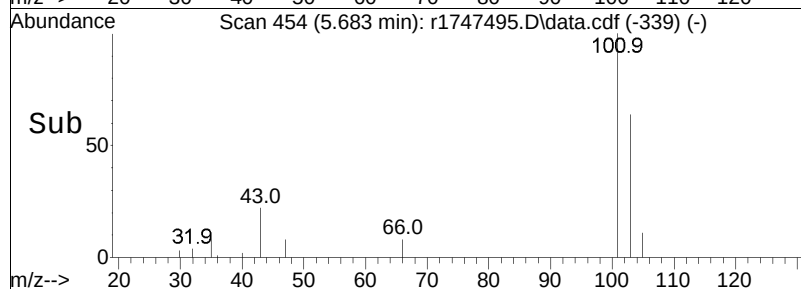
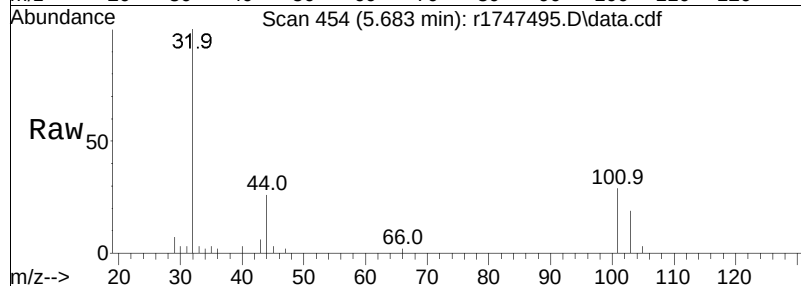
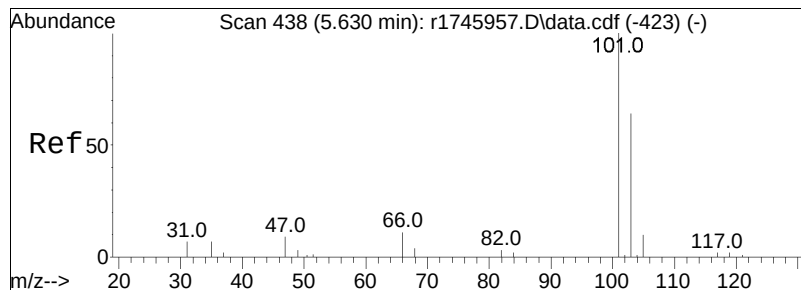




#19
 acetone
 Concen: 22.44 ppbV m
 RT: 5.487 min Scan# 395
 Delta R.T. 0.047 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

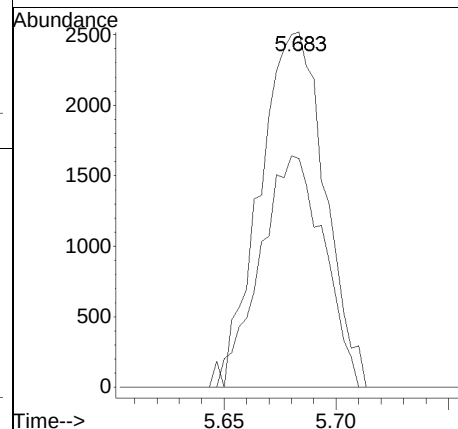
Tgt Ion:	43	Resp:	398513
Ion Ratio	Lower	Upper	
43	100		
58	34.4	24.7	37.1
57	0.9	0.6	0.8#

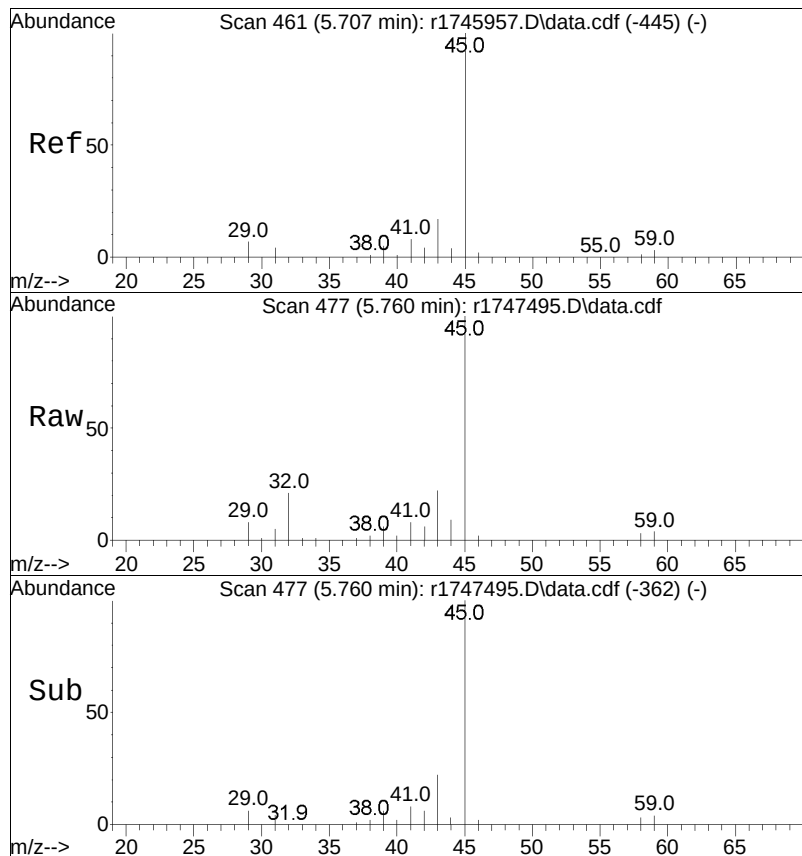




#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 5.683 min Scan# 454
Delta R.T. 0.053 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

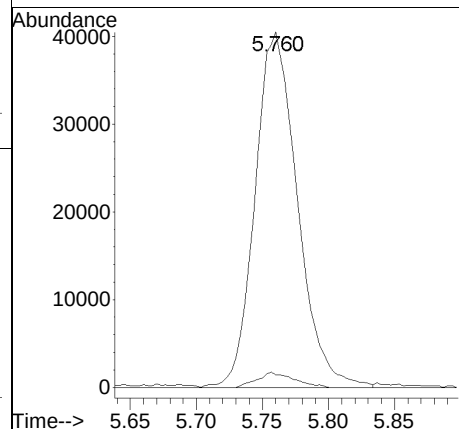
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

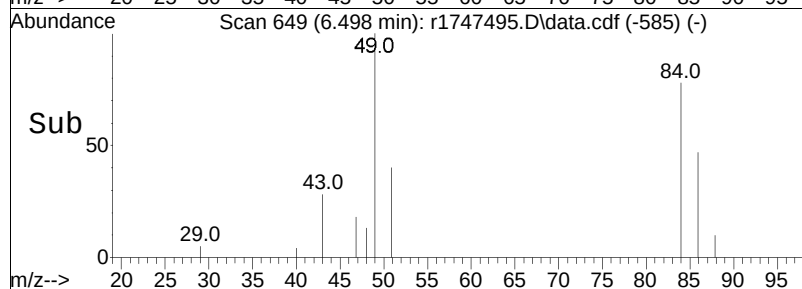
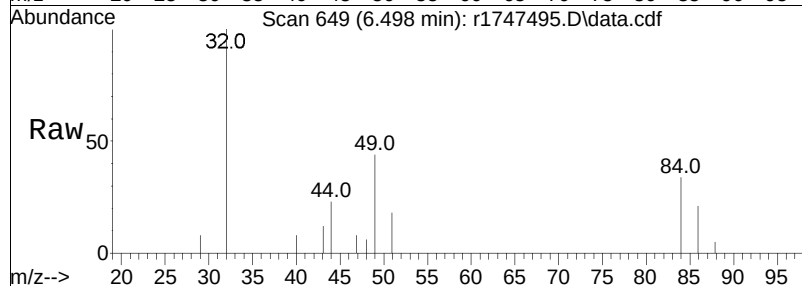
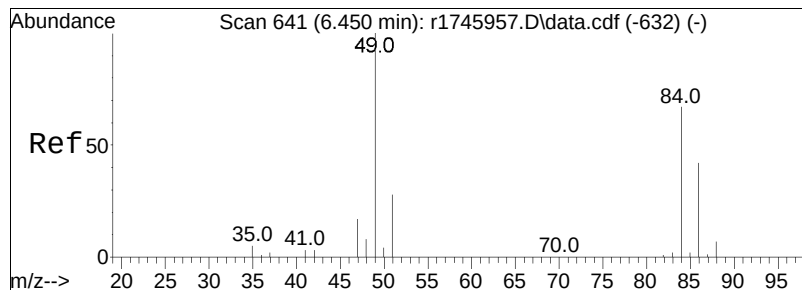




#22
 isopropyl alcohol
 Concen: 4.02 ppbV
 RT: 5.760 min Scan# 477
 Delta R.T. 0.053 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

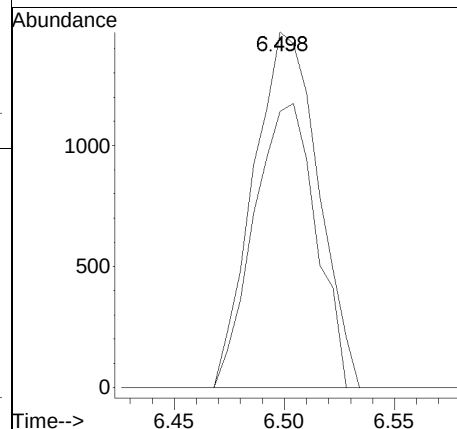
Tgt Ion	Ratio	Lower	Upper
45	100		
59	3.5	2.6	4.0

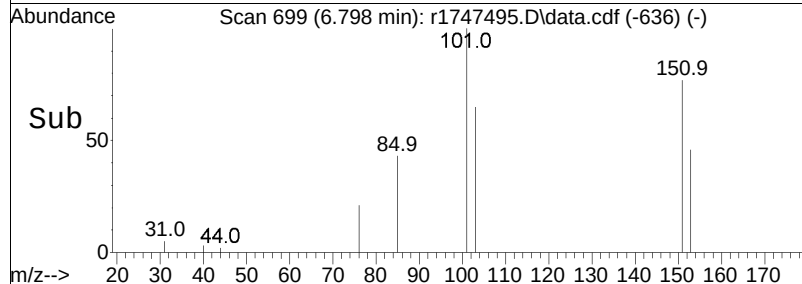
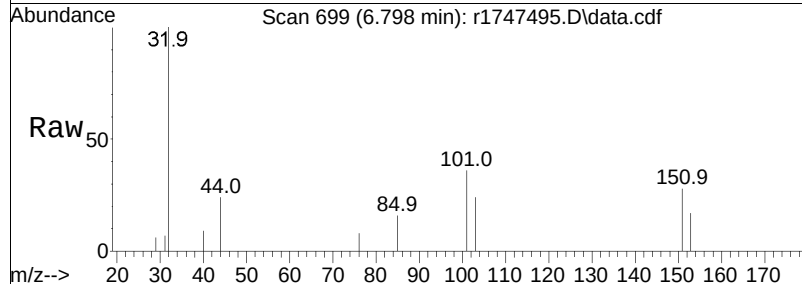
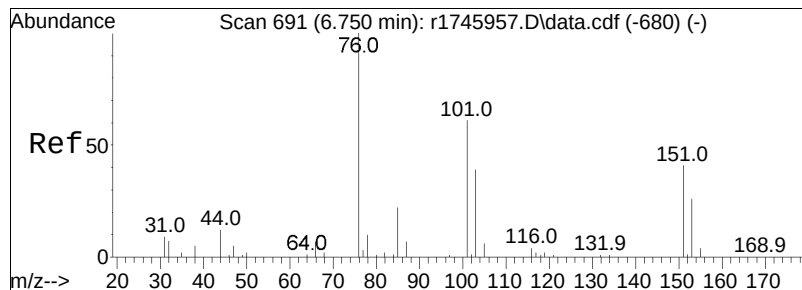




#28
 methylene chloride
 Concen: 0.19 ppbV
 RT: 6.498 min Scan# 649
 Delta R.T. 0.048 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

Tgt Ion:	49	84	Ratio	Lower	Upper
Resp:	3015				
Ion Ratio	100	77.7			
			53.4	80.0	





#31

Freon 113

Concen: 0.11 ppbV

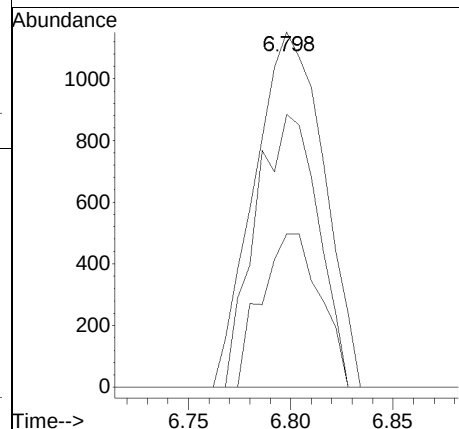
RT: 6.798 min Scan# 699

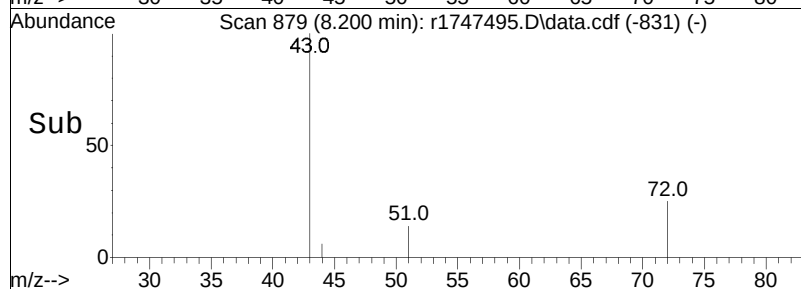
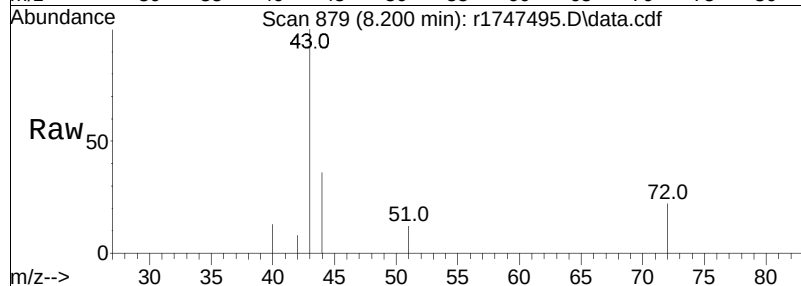
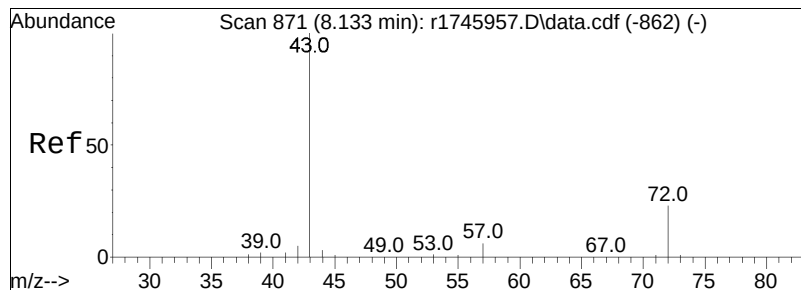
Delta R.T. 0.048 min

Lab File: r1747495.D

Acq: 7 Mar 2025 1:21 AM

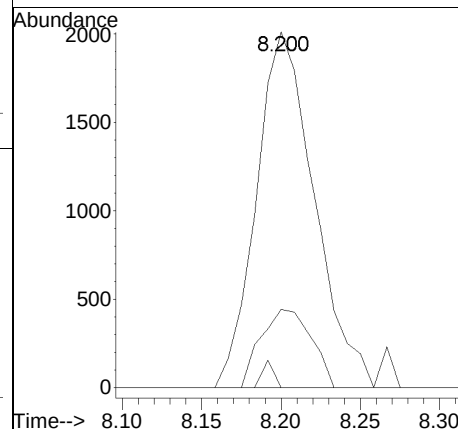
Tgt	Ion:101	Resp:	2721
Ion	Ratio	Lower	Upper
101	100		
85	43.2	29.0	43.4
151	76.8	53.6	80.4

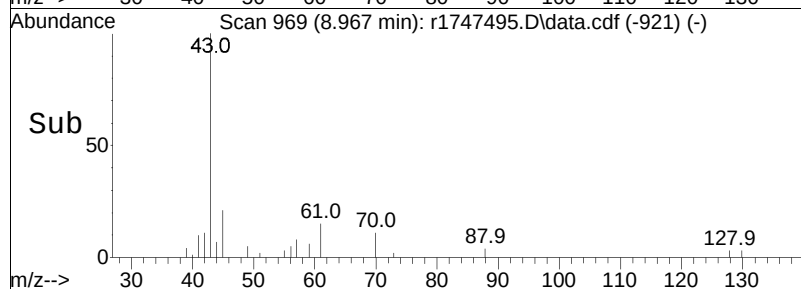
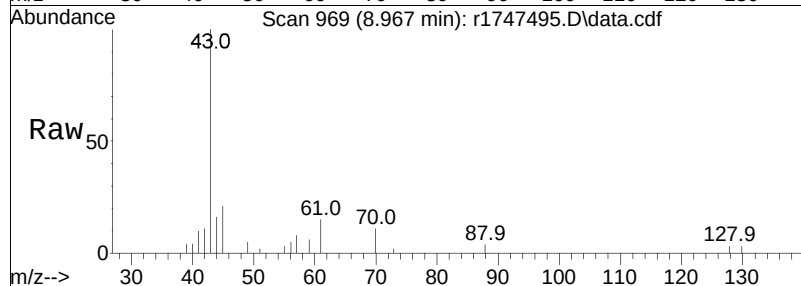
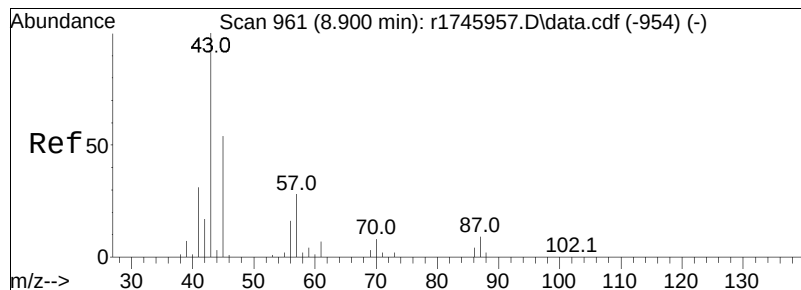




#36
2-butanone
Concen: 0.17 ppbV
RT: 8.200 min Scan# 879
Delta R.T. 0.067 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

Tgt Ion:	43	Resp:	5098
Ion Ratio	Lower	Upper	
43	100		
72	22.0	18.1	27.1
57	0.0	4.6	6.8#





#38

Ethyl Acetate

Concen: 0.74 ppbV

RT: 8.967 min Scan# 969

Delta R.T. 0.067 min

Lab File: r1747495.D

Acq: 7 Mar 2025 1:21 AM

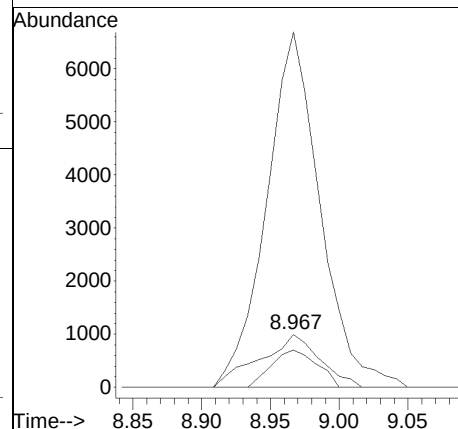
Tgt Ion: 61 Resp: 3025

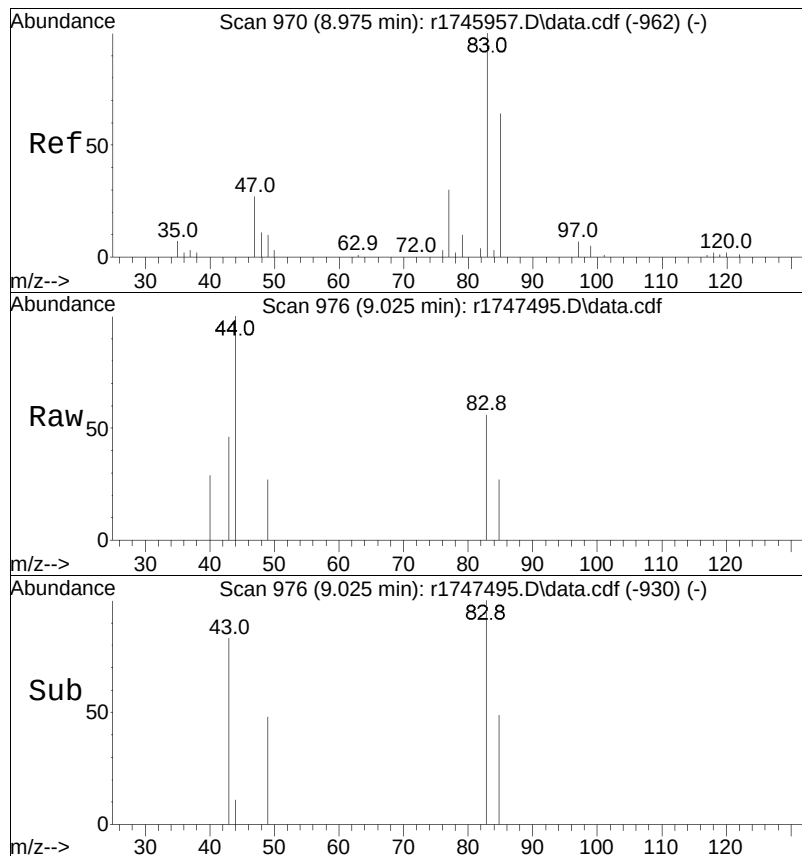
Ion Ratio Lower Upper

61 100

70 70.6 85.8 128.8#

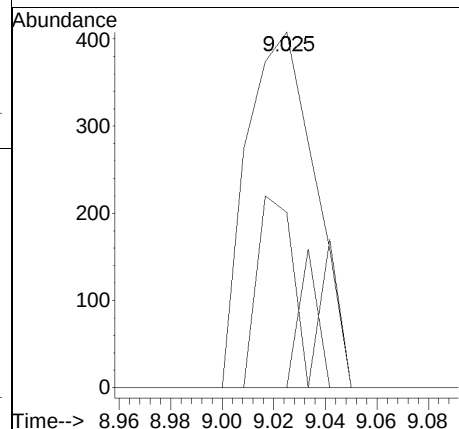
43 671.4 1077.6 1616.4#

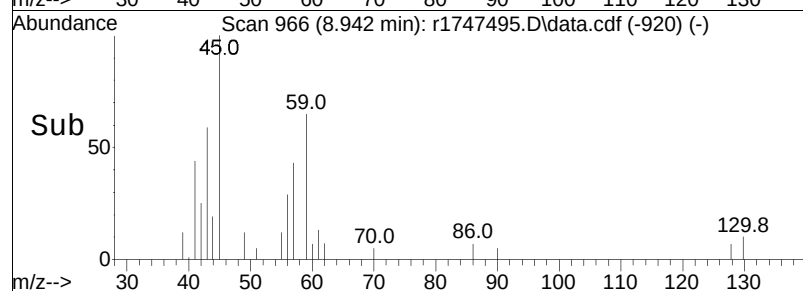
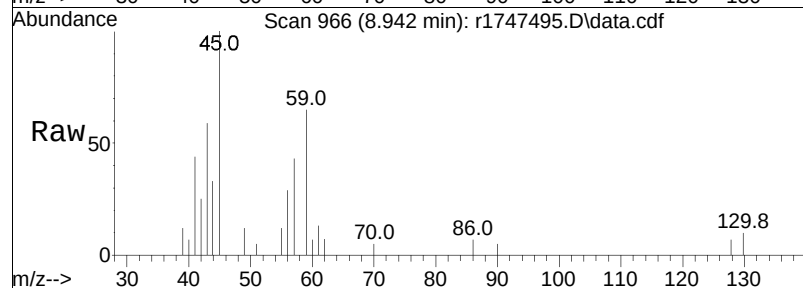
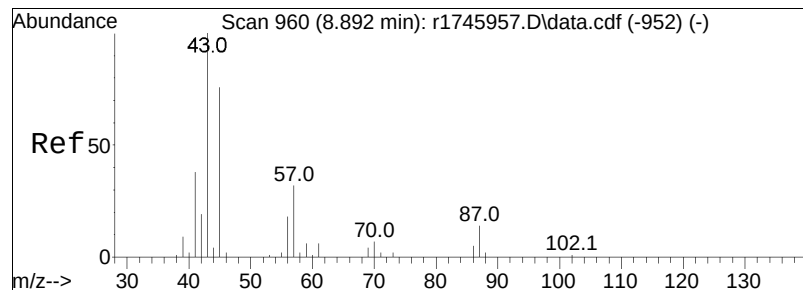




#39
chloroform
Concen: 0.03 ppbV
RT: 9.025 min Scan# 976
Delta R.T. 0.050 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

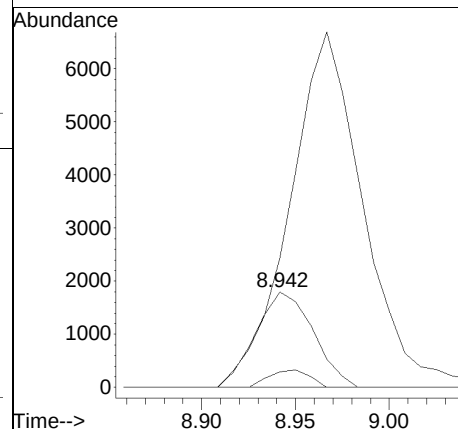
Tgt	Ion: 83	Resp:	748
Ion	Ratio	Lower	Upper
83	100		
85	49.3	51.6	77.4#
47	0.0	21.4	32.2#

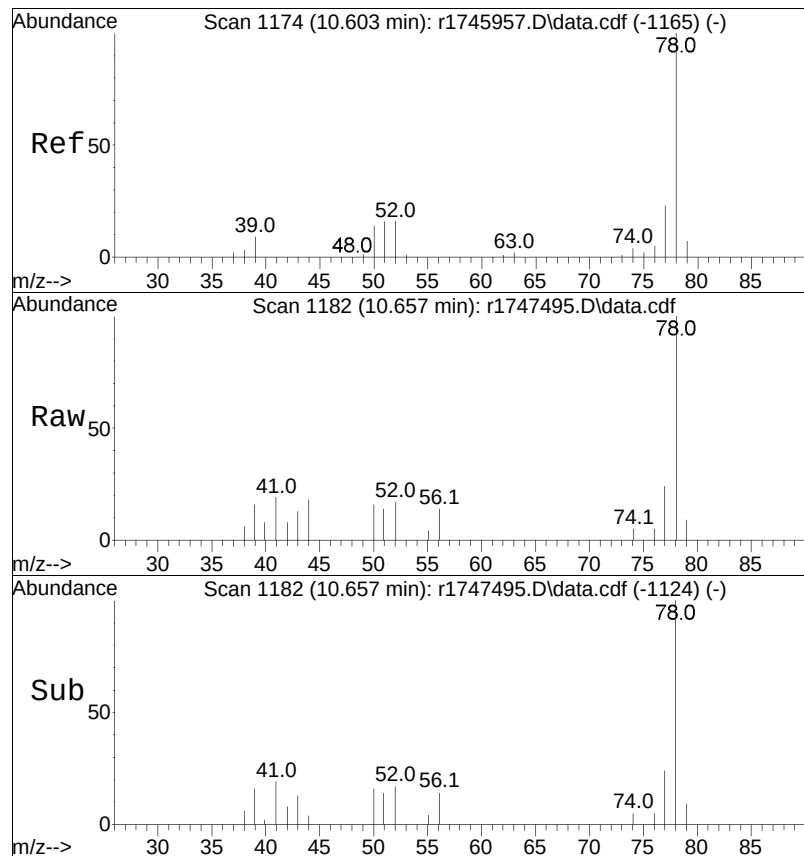




#44
hexane
Concen: 0.20 ppbV
RT: 8.942 min Scan# 966
Delta R.T. 0.050 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

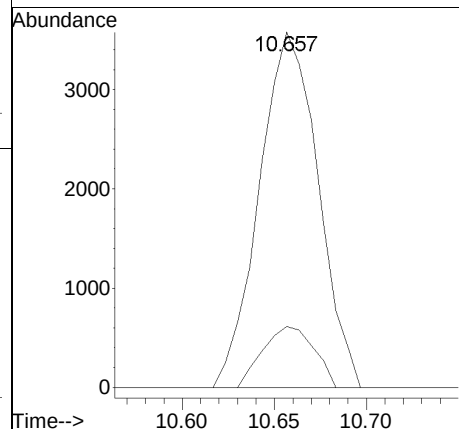
Tgt Ion	Ratio	Lower	Upper
57	100		
43	136.0	247.4	371.0#
86	16.4	12.9	19.3

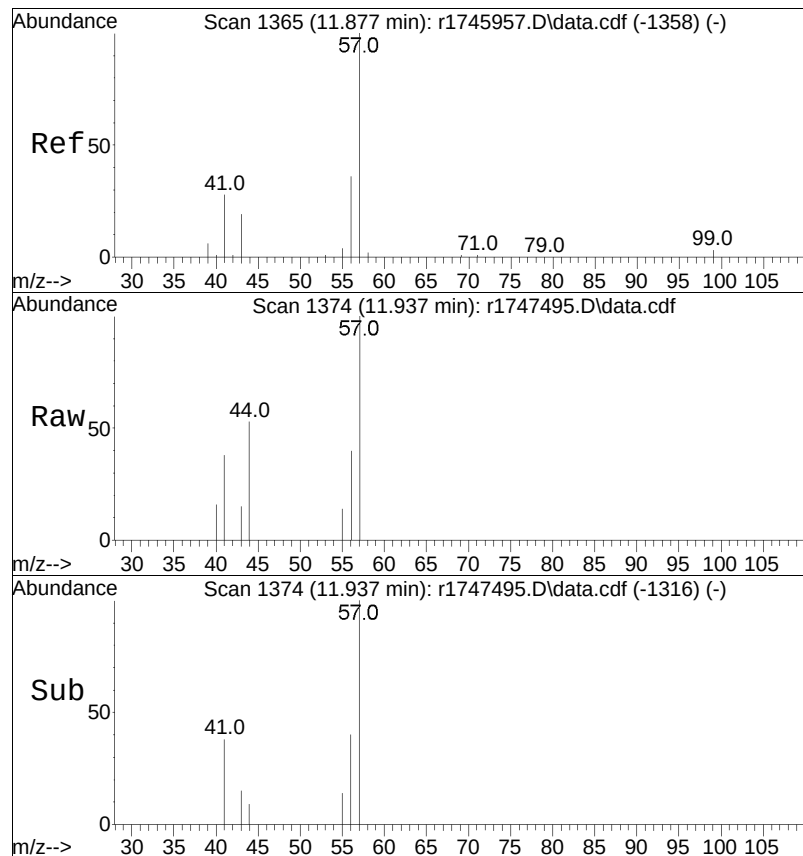




#50
benzene
Concen: 0.19 ppbV
RT: 10.657 min Scan# 1182
Delta R.T. 0.053 min
Lab File: r1747495.D
Acq: 7 Mar 2025 1:21 AM

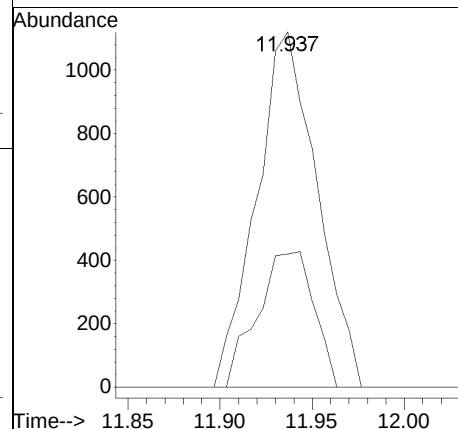
Tgt Ion	Ratio	Lower	Upper
78	100		
52	17.2	12.5	18.7

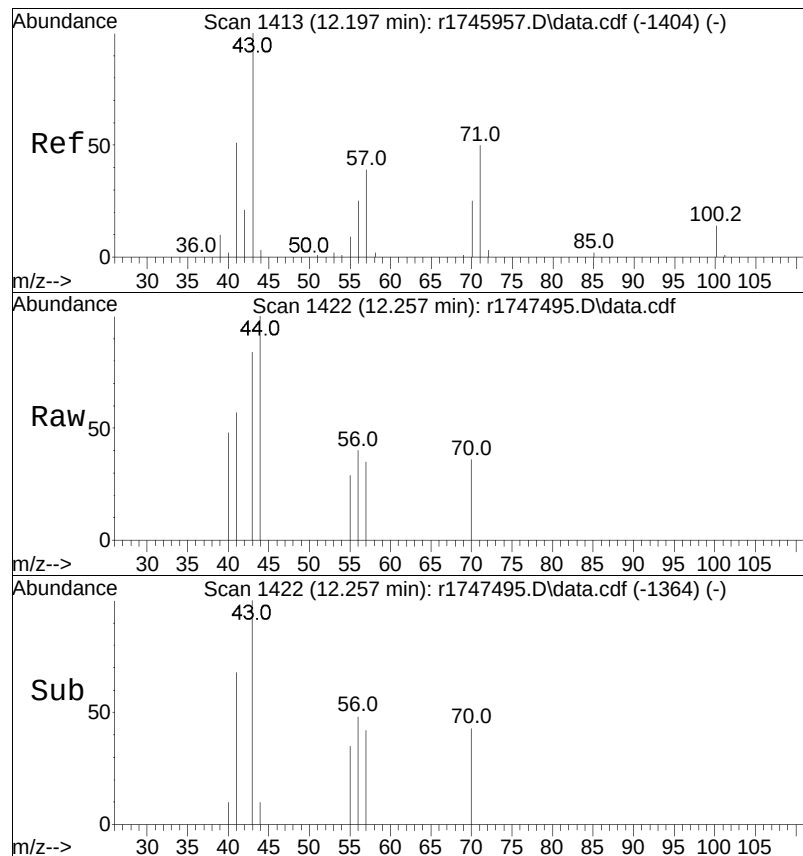




#60
 2,2,4-trimethylpentane
 Concen: 0.04 ppbV
 RT: 11.937 min Scan# 1374
 Delta R.T. 0.060 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

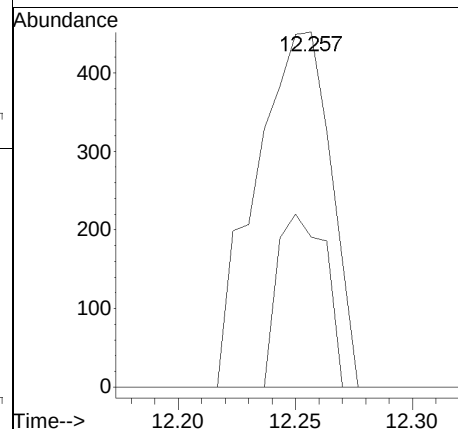
Tgt Ion:	57	Resp:	2568
Ion Ratio	Lower	Upper	
57	100		
99	0.0	4.6	6.8#
41	37.5	22.3	33.5#

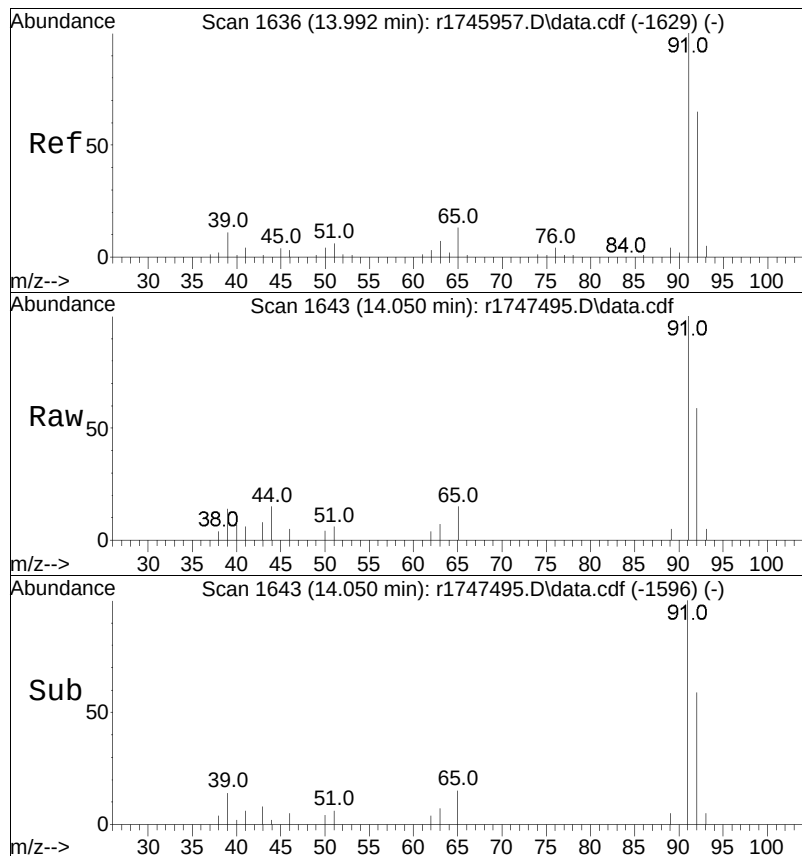




#62
 heptane
 Concen: 0.04 ppbV
 RT: 12.257 min Scan# 1422
 Delta R.T. 0.060 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

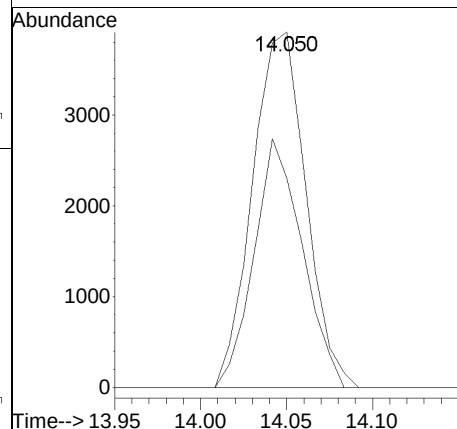
Tgt Ion:	43	Resp:	1002
Ion Ratio	Lower	Upper	
43	100		
57	42.3	31.1	46.7
100	0.0	11.4	17.2#

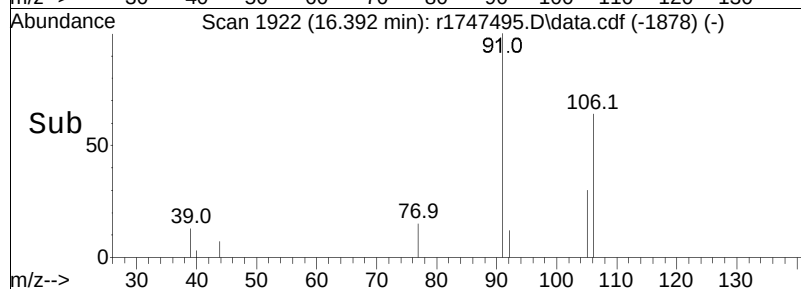
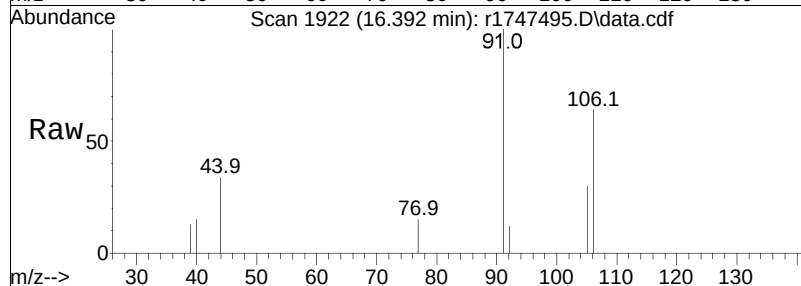
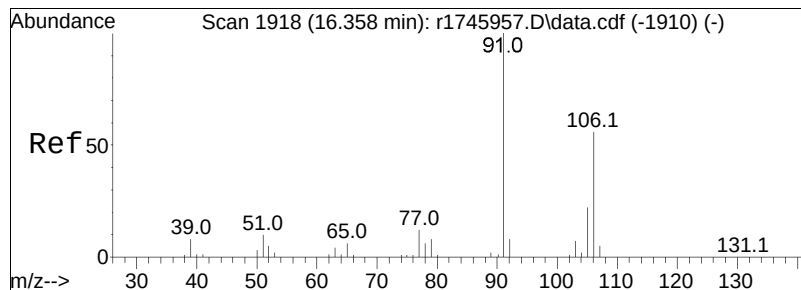




#68
 toluene
 Concen: 0.16 ppbV
 RT: 14.050 min Scan# 1643
 Delta R.T. 0.058 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.9	51.7	77.5





#83

m+p-xylene

Concen: 0.06 ppbV

RT: 16.392 min Scan# 1922

Delta R.T. 0.033 min

Lab File: r1747495.D

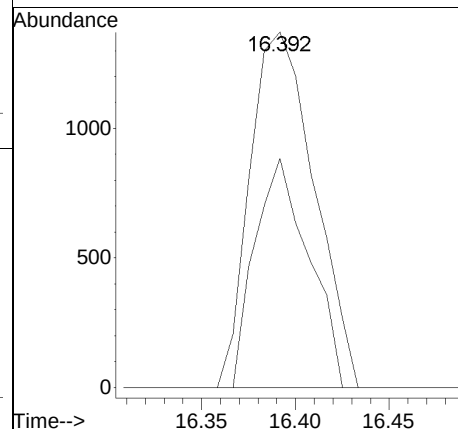
Acq: 7 Mar 2025 1:21 AM

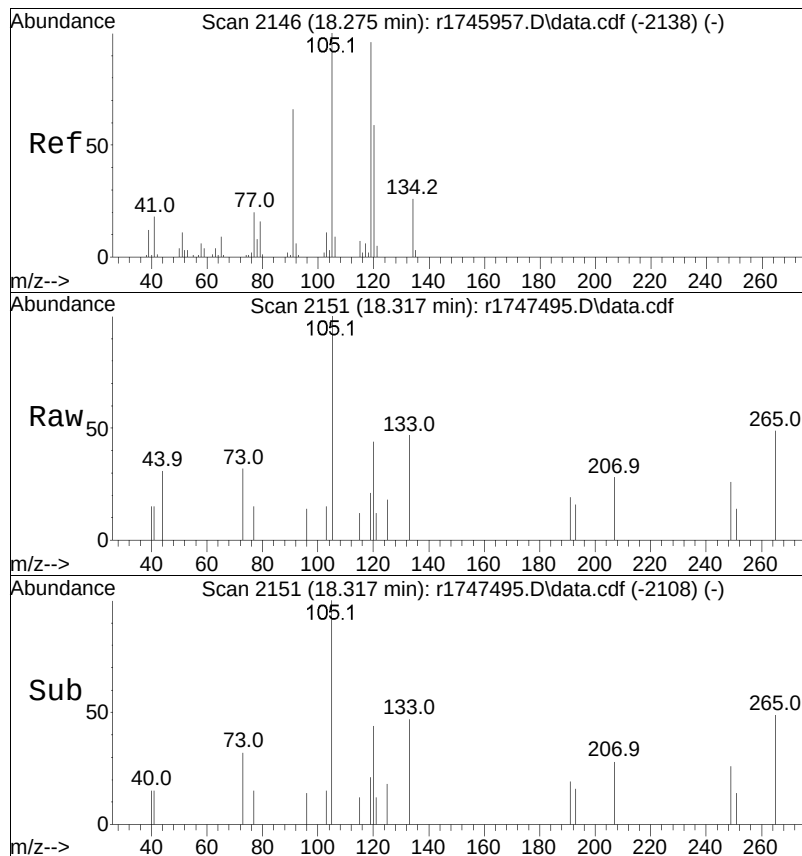
Tgt Ion: 91 Resp: 3274

Ion Ratio Lower Upper

91 100

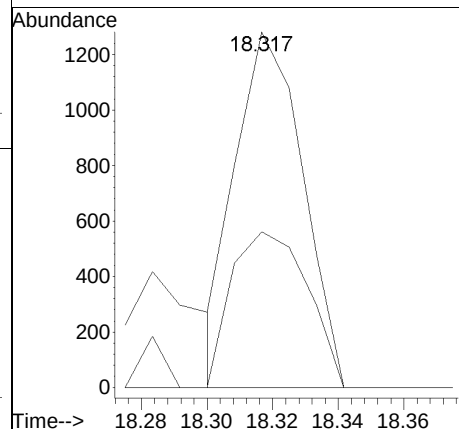
106 64.4 44.7 67.1





#99
 1,2,4-trimethylbenzene
 Concen: 0.03 ppbV m
 RT: 18.317 min Scan# 2151
 Delta R.T. 0.042 min
 Lab File: r1747495.D
 Acq: 7 Mar 2025 1:21 AM

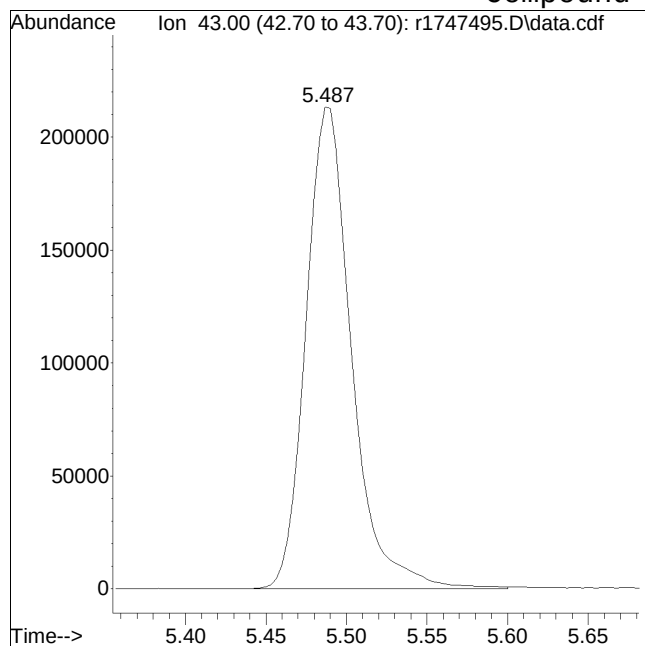
Tgt Ion:	105	Resp:	1822
Ion Ratio	Lower	Upper	
105	100		
120	43.8	47.1	70.7#
91	0.0	53.0	79.4#



Manual Integration Report

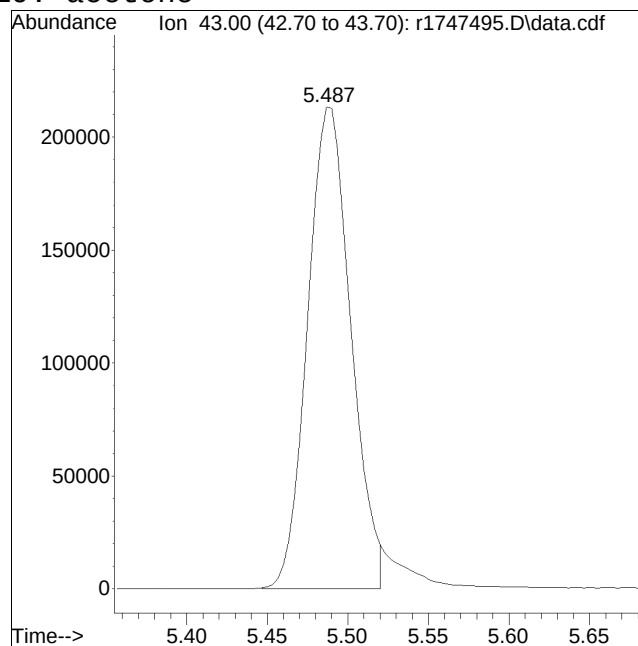
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747495.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 1:21 AM Instrument :
Sample : WG2037508-5,3,250,250 Quant Date : 3/7/2025 7:44 am

Compound #19: acetone



Original Peak Response = 420386

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

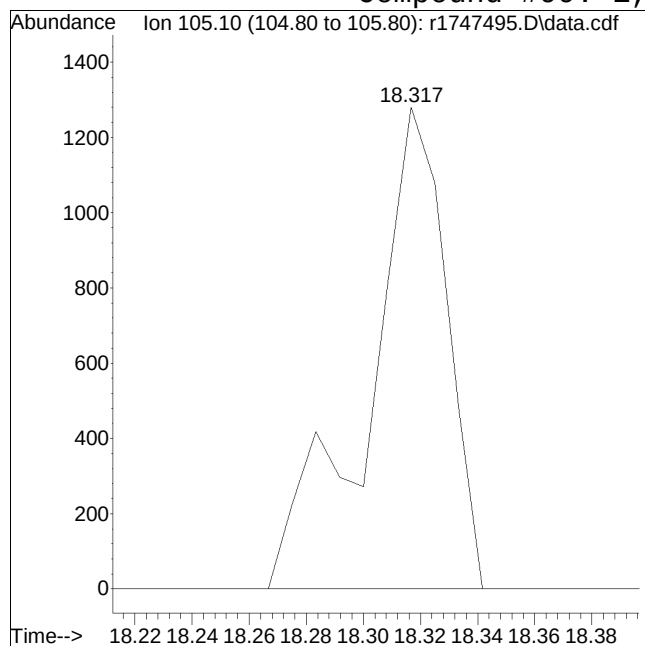


Manual Peak Response = 398513 M6

Manual Integration Report

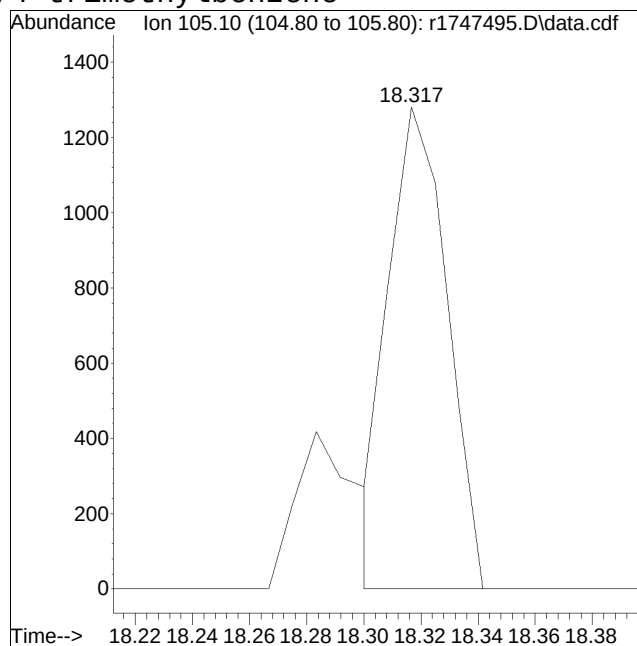
Data Path : X:\Airlab\Data\Airlab17\200Method : TFS17_241220.M
Data File : r1747495.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 1:21 AM Instrument :
Sample : WG2037508-5,3,250,250 Quant Date : 3/7/2025 7:44 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 2428

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



Manual Peak Response = 1822 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)

Mar 07 2025, 03:44 pm

Work Group: WG2037508 for Department: 3 GC/MS

Created: 06-MAR-25 Due: Operator: BJB

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2509499-01	AMB-1	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-02	IA-203	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-03	IA-202	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-04	IA-201	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-05	IA-7	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-06	IAQ-1	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-07	IA-11	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-08	IA-9	S T015-LL	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-09	STACK	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509499-10	SV-103	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509499-11	SV-9	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509499-12	SV-11	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509499-13	SV-204	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509499-14	SV-10	S T015-LL	SOIL_VAPOR	DONE	U	0321	0306	S0	Can-2.7
L2509734-01	Tw-2-19	S T015-LL	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-02	GD-2-19	S T015-LL	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-03	GK-2-19	S T015-LL	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-04	LO-2-19	S T015-LL	AIR	DONE	U	0321	0307	S0	Can-6
WG2037508-1	MS BFB Tune Standard	S T015-LL	AIR	DONE	U				
WG2037508-1	MS BFB Tune Standard	S T015-LL	SOIL_VAPOR	DONE	U				
WG2037508-2	Continuing Calibrati	S T015-LL	SOIL_VAPOR	DONE	U				
WG2037508-2	Continuing Calibrati	S T015-LL	AIR	DONE	U				
WG2037508-3	Laboratory Control S	S T015-LL	AIR	DONE	U				
WG2037508-3	Laboratory Control S	S T015-LL	SOIL_VAPOR	DONE	U				
WG2037508-4	Laboratory Method Bl	S T015-LL	AIR	DONE	U				
WG2037508-4	Laboratory Method Bl	S T015-LL	SOIL_VAPOR	DONE	U				
WG2037508-5	Duplicate Sample	S T015-LL	SOIL_VAPOR	DONE	U				
WG2037508-5	Duplicate Sample	S T015-LL	AIR	DONE	U				
Comments:									
WG2037508-5	L2509499-08								

Alpha Analytical Air Lab Instrument Run Log

Instrument ID:	Airlab 17	Internal Standard/Surrogate IDs:	SS22-028/ SS21-026
Date:	12/20/24	Internal Standard/Surrogate Volume:	100 ml
Analyst Initials:	JMB	Sequence File Name:	241220.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Chec k Pass ?
1	BA17122001	TO15_SFS.qgm	R1745946.qgd	250 mL			NA
1	BA17122002	TO15_SFS.qgm	R1745947.qgd	250 mL			NA
1	BA17122003	TO15_SFS.qgm	R1745948.qgd	250 mL			NA
1	TA17122001	TO15_SFS.qgm	R1745949.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1745950.qgd	50 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1745951.qgd	125 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1745952.qgd	250 mL SS24-035D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1745953.qgd	50 mL SS24-035C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1745954.qgd	125 mL SS24-035C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1745955.qgd	250 mL SS24-035C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1745956.qgd	125 mL SS24-035B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R1745957.qgd	250 mL SS24-035B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R1745958.qgd	50 mL SS24-035A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R1745959.qgd	125 mL SS24-035A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R1745960.qgd	250 mL SS24-035A	LL ONLY	DEF	NA
1	BA17122001	TO15_SFS.qgm	R1745961.qgd	250 mL			NA

Alpha Analytical Air Lab Instrument Run Log

[illegible]

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Alpha Analytical Air Lab Instrument Run Log

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: Airlab 17

Date: 03/06/25

Analyst Initials: BJB

Internal Standard/Surrogate IDs: SS22-0

Internal Standard/Surrogate Volume:

Sequence File Name: 2

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)
1	TA17022401	TO15_SFS.qgm	R1747478.qgd	250 mL	DO NOT USE
2	CCAL-STD10.0	TO15_SFS.qgm	R1747479.qgd	125 mL SS25-003B	DO NOT USE
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1747480.qgd	250 mL SS25-001G	DO NOT USE
4	TO15-SIM -STD5.0	TO15_SFS.qgm	R1747481.qgd	125 mL SS25-001H	DO
1	TA17022401	TO15_SFS.qgm	R1747482.qgd	250 mL	TUNE
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1747483.qgd	250 mL SS25-001G	LL LCS
4	TO15-SIM -STD5.0	TO15_SFS.qgm	R1747484.qgd	125 mL SS25-001H	SIM LCS
1	BA17022401	TO15_SFS.qgm	R1747485.qgd	250 mL	LL BLANK
1	BA17022402	TO15_SFS.qgm	R1747486.qgd	250 mL	SIM BLANK
2	L2509499-01,3,250,250	TO15_SFS.qgm	R1747487.qgd	WG2037508,ICAL21997	
3	L2509499-06,3,250,250	TO15_SFS.qgm	R1747488.qgd	WG2037508,ICAL21997	ACETONE, IPA, EA OVERCAL
4	L2509499-02,3,250,250	TO15_SFS.qgm	R1747489.qgd	WG2037508,ICAL21997	
5	L2509499-03,3,250,250	TO15_SFS.qgm	R1747490.qgd	WG2037508,ICAL21997	
6	L2509499-04,3,250,250	TO15_SFS.qgm	R1747491.qgd	WG2037508,ICAL21997	
7	L2509499-05,3,250,250	TO15_SFS.qgm	R1747492.qgd	WG2037508,ICAL21997	
8	L2509499-07,3,250,250	TO15_SFS.qgm	R1747493.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
9	L2509499-08,3,250,250	TO15_SFS.qgm	R1747494.qgd	WG2037508,ICAL21997	
9	L2509499-08DUP,3,250,250	TO15_SFS.qgm	R1747495.qgd	WG2037508,ICAL21997	LL/SIM DUP
10	L2509734-01,3,250,250	TO15_SFS.qgm	R1747496.qgd	WG2037508,ICAL21997	IPA OVERCAL

28/ SS21-026

100 ml

250306.S

Product/ Sublist	Check Pass ?
	NA
	NA
	NA
	NA
	NA
	NA
	Y
	Y
	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y

11	L2509734-02,3,250,250	TO15_SFS.qgm	R1747497.qgd	WG2037508,ICAL21997	
12	L2509734-03,3,250,250	TO15_SFS.qgm	R1747498.qgd	WG2037508,ICAL21997	
13	L2509734-04,3,250,250	TO15_SFS.qgm	R1747499.qgd	WG2037508,ICAL21997	
14	L2509499-09D,3,100,250	TO15_SFS.qgm	R1747500.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
15	L2509499-10D,3,0.23,250	TO15_SFS.qgm	R1747501.qgd	WG2037508,ICAL21997	T
16	L2509499-11,3,250,250	TO15_SFS.qgm	R1747502.qgd	WG2037508,ICAL21997	
1	L2509499-12,3,250,250	TO15_SFS.qgm	R1747503.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
2	L2509499-13,3,250,250	TO15_SFS.qgm	R1747504.qgd	WG2037508,ICAL21997	
3	L2509499-14,3,250,250	TO15_SFS.qgm	R1747505.qgd	WG2037508,ICAL21997	
8	L2509499-07D,3,25,250	TO15_SFS.qgm	R1747506.qgd	WG2037508,ICAL21997	
10	L2509734-01D,3,100,250	TO15_SFS.qgm	R1747507.qgd	WG2037508,ICAL21997	
14	L2509499-09D2,3,25,250	TO15_SFS.qgm	R1747508.qgd	WG2037508,ICAL21997	
1	L2509499-12D,3,50,250	TO15_SFS.qgm	R1747509.qgd	WG2037508,ICAL21997	
3	L2509499-06D,3,2.74,250	TO15_SFS.qgm	R1747510.qgd	WG2037508,ICAL21997	
4	L2508669-01,3,250,250	TO15_SFS.qgm	R1747511.qgd	WG2037509,ICAL21998	
5	L2508669-02,3,250,250	TO15_SFS.qgm	R1747512.qgd	WG2037509,ICAL21998	

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
ACETONE	Y
IPA	Y
ACETONE	Y
ACETONE	Y
ACETONE, IPA, EA	
BETX+MTBE+NAPH+CHLO ROFORM, MeCL VY SIM	
BETX+MTBE+NAPH+CHLO ROFORM, MeCL VY SIM	

Alpha Analytical, Inc.
Canister Dilution Worksheet

[illegible]

*N₂ = Nitrogen and H₂= Hydrogen

** Dilution factor on this spreadsheet may differ from reported dilution factor (calculated by LIMs) due to different rounding rules

*** Reported to 2 decimal places unless 0.01 or less; then 3 decimal places are reported

Analyst data input fields

Analyst Comments:

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Lab Duplicate Sample Summary

Form 3

Air Volatiles

Client	: Stantec	Lab Number	: L2509499
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-9	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2509499-08	Analysis Date	: 03/07/25 00:42
Lab File ID	: R1747494_EV2	DUP File ID	: r1747495_Ev2
Dup Sample ID	: WG2037509-5	DUP Analysis Date	: 03/07/25 01:21

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Vinyl chloride	ND	ND	NC	25
1,1-Dichloroethene	ND	ND	NC	25
cis-1,2-Dichloroethene	ND	ND	NC	25
1,1,1-Trichloroethane	ND	ND	NC	25
Carbon tetrachloride	0.111	0.111	0	25
Trichloroethene	ND	ND	NC	25
Tetrachloroethene	0.034	0.035	3	25



Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Matrix (Level) : AIR (LOW)
 LCS Sample ID : WG2037509-3 Analysis Date : 03/06/25 17:26 File ID : r1747484_Ev2
 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			
Vinyl chloride	5	4.39	88				-	70-130	25
1,1-Dichloroethene	5	5.56	111				-	70-130	25
cis-1,2-Dichloroethene	5	5.23	105				-	70-130	25
1,1,1-Trichloroethane	5	5.27	105				-	70-130	25
Carbon tetrachloride	5	5.62	112				-	70-130	25
Trichloroethene	5	4.80	96				-	70-130	25
Tetrachloroethene	5	4.46	89				-	70-130	25



Method Blank Summary
Form 4
Air Volatiles

Client : Stantec
Project Name : BELLE HARBOR
Lab Sample ID : WG2037509-4
Instrument ID : AIRLAB17
Matrix : AIR

Lab Number : L2509499
Project Number : 195601412
Lab File ID : r1747486_Ev2
Analysis Date : 03/06/25 19:37

Client Sample No.	Lab Sample ID	Analysis Date
WG2037509-3LCS	WG2037509-3	03/06/25 17:26
AMB-1	L2509499-01	03/06/25 20:15
IAQ-1	L2509499-06	03/06/25 20:53
IA-203	L2509499-02	03/06/25 21:31
IA-202	L2509499-03	03/06/25 22:10
IA-201	L2509499-04	03/06/25 22:48
IA-7	L2509499-05	03/06/25 23:26
IA-11	L2509499-07	03/07/25 00:04
IA-9	L2509499-08	03/07/25 00:42
IA-9DUP	WG2037509-5	03/07/25 01:21



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : Stantec	Lab Number : L2509499
Project Name : BELLE HARBOR	Project Number : 195601412
Instrument ID : AIRLAB17	Analysis Date : 12/20/24 19:59
Tune Standard : WG2012831-1	Tune File ID : r1745949_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	35.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	63.7
175	4.0 - 9.0% of mass 174	4.5 (7.1)1
176	93.0 - 101% of mass 174	61.7 (96.8)1
177	5.0 - 9.0% of mass 176	4 (6.5)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
STD0.02	R1914765-1	R1745950_EV2	12/21/24 01:51
STD0.05	R1914765-2	R1745951_EV2	12/21/24 02:26
STD0.1	R1914765-3	R1745952_EV2	12/21/24 03:04
STD0.2	R1914765-4	R1745953_EV2	12/21/24 03:40
STD0.5	R1914765-5	R1745954_EV2	12/21/24 04:18
STD1.0	R1914765-6	R1745955_EV2	12/21/24 04:58
STD5.0	R1914765-7	R1745956_EV2	12/21/24 05:37
STD010	R1914765-8	R1745957_EV2	12/21/24 06:18
STD020	R1914765-9	R1745958_EV2	12/21/24 06:54
STD050	R1914765-10	R1745959_EV2	12/21/24 07:33
ICV QUANT	R1914765-11	R1745964_EV2	12/21/24 13:05



Instrument Performance Check (Tune) Summary

Form 5

Air Volatiles

Bromofluorobenzene (BFB)

Client : Stantec	Lab Number : L2509499
Project Name : BELLE HARBOR	Project Number : 195601412
Instrument ID : AIRLAB17	Analysis Date : 03/06/25 16:08
Tune Standard : WG2037509-1	Tune File ID : r1747482_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	15.5
75	30.0 - 66.0% of mass 95	37.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.5)1
174	50.0 - 120.0% of mass 95	64.9
175	4.0 - 9.0% of mass 174	4.6 (7.1)1
176	93.0 - 101% of mass 174	63.8 (98.3)1
177	5.0 - 9.0% of mass 176	4.2 (6.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037509-2CCAL	WG2037509-2	R1747484_EV2	03/06/25 17:26
WG2037509-3LCS	WG2037509-3	R1747484_EV2	03/06/25 17:26
WG2037509-4BLANK	WG2037509-4	R1747486_EV2	03/06/25 19:37
AMB-1	L2509499-01	R1747487_EV2	03/06/25 20:15
IAQ-1	L2509499-06	R1747488_EV2	03/06/25 20:53
IA-203	L2509499-02	R1747489_EV2	03/06/25 21:31
IA-202	L2509499-03	R1747490_EV2	03/06/25 22:10
IA-201	L2509499-04	R1747491_EV2	03/06/25 22:48
IA-7	L2509499-05	R1747492_EV2	03/06/25 23:26
IA-11	L2509499-07	R1747493_EV2	03/07/25 00:04
IA-9	L2509499-08	R1747494_EV2	03/07/25 00:42
WG2037509-5DUP	WG2037509-5	R1747495_EV2	03/07/25 01:21



Internal Standard Area and RT Summary

Form 8a

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Sample No : WG2037509-2

Lab Number : L2509499
 Project Number : 195601412
 Analysis Date : 03/06/25 17:26:00
 Lab File ID : R1747484_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2037509-2	157683	8.88	460428	11.09	64423	15.83
Upper Limit	220756	9.21	644599	11.42	90192	16.16
Lower Limit	94610	8.55	276257	10.76	38654	15.50
Sample ID						
WG2037509-3 LCS	157683	8.88	460428	11.09	64423	15.83
WG2037509-4 BLANK	154049	8.88	412868	11.09	59329	15.83
AMB-1	147210	8.87	399866	11.08	59300	15.83
IAQ-1	152594	8.88	451060	11.08	64907	15.83
IA-203	144612	8.87	395924	11.08	58827	15.83
IA-202	142305	8.87	379970	11.08	57700	15.83
IA-201	146536	8.86	405230	11.08	61424	15.83
IA-7	139741	8.86	355110	11.08	55178	15.83
IA-11	143927	8.87	388182	11.08	58473	15.83
IA-9	147630	8.86	407753	11.08	59434	15.83
IA-9 DUP	144105	8.87	384238	11.08	56689	15.83

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



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Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container / Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.02	0.0059	ppbV	70-130	25		25	25			
1,1,1,2-Tetrachloroethane	630-20-6	0.02	0.01	ppbV	70-130	25		25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.02	0.0067	ppbV	70-130	25		25	25			
1,1,2-Trichloroethane	79-00-5	0.02	0.0097	ppbV	70-130	25		25	25			
1,1-Dichloroethane	75-34-3	0.02	0.0086	ppbV	70-130	25		25	25			
1,1-Dichloroethene	75-35-4	0.02	0.0077	ppbV	70-130	25		25	25			
1,2,3-Trichloropropane	96-18-4	0.02	0.0073	ppbV	70-130	25		25	25			
1,2,4-Trimethylbenzene	95-63-6	0.02	0.0076	ppbV	70-130	25		25	25			
1,2-Dibromoethane	106-93-4	0.02	0.0091	ppbV	70-130	25		25	25			
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.0124	ppbV	70-130	25		25	25			
1,2-Dichlorobenzene	95-50-1	0.02	0.0062	ppbV	70-130	25		25	25			
1,2-Dichloroethane	107-06-2	0.02	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloropropane	78-87-5	0.02	0.0083	ppbV	70-130	25		25	25			
1,3,5-Trimethylbenzene	108-67-8	0.02	0.0096	ppbV	70-130	25		25	25			
1,3-Butadiene	106-99-0	0.02	0.0106	ppbV	70-130	25		25	25			
1,3-Dichlorobenzene	541-73-1	0.02	0.0077	ppbV	70-130	25		25	25			
1,4-Dichlorobenzene	106-46-7	0.02	0.0075	ppbV	70-130	25		25	25			
1,4-Dioxane	123-91-1	0.1	0.0344	ppbV	70-130	25		25	25			
1-Bromo-2-Chloroethane	107-04-0	0.02	0.0102	ppbV	70-130	25		25	25			
1-Bromo-3-Fluorobenzene	1073-06-9	0.02	0.0065	ppbV	70-130	25		25	25			
1-Bromo-4-Ethylbenzene	1585-07-5	0.05	0.004	ppbV	70-130	25		25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Bromopyridine	109-04-6	0.5	0.0161	ppbV	30-150	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3,4-Dichlorobenzotrifluoride	328-84-7	0.02	0.0024	ppbV	70-130	25		25	25			
3-Amino-4-Chlorobenzotrifluoride	121-50-6	1.25	0.0178	ppbV	30-150	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	ppbV	70-130	25		25	25			
3-Nitro-4-Chlorobenzotrifluoride	121-17-5	2.5	0.129	ppbV	30-150	25		25	25			
4-Bromofluorobenzene	460-00-4	0.2	0.0094	ppbV	70-130	25		25	25			
4-Chlorobenzotrifluoride	98-56-6	0.02	0.006	ppbV	70-130	25		25	25			
4-Ethyltoluene	622-96-8	0.02	0.0099	ppbV	70-130	25		25	25			
Benzene	71-43-2	0.1	0.0298	ppbV	70-130	25		25	25			
Benzyl chloride	100-44-7	0.1	0.0332	ppbV	70-130	25		25	25			
Bromobenzene	108-86-1	0.2	0.0262	ppbV	70-130	25		25	25			
Bromodichloromethane	75-27-4	0.02	0.0074	ppbV	70-130	25		25	25			
Bromoform	75-25-2	0.02	0.0111	ppbV	70-130	25		25	25			
Bromomethane	74-83-9	0.02	0.0094	ppbV	70-130	25		25	25			
Carbon disulfide	75-15-0	0.2	0.0316	ppbV	70-130	25		25	25			
Carbon tetrachloride	56-23-5	0.02	0.011	ppbV	70-130	25		25	25			
Chlorobenzene	108-90-7	0.1	0.0258	ppbV	70-130	25		25	25			
Chloroethane	75-00-3	0.1	0.0395	ppbV	70-130	25		25	25			
Chloroform	67-66-3	0.02	0.0071	ppbV	70-130	25		25	25			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container / Sample Preservation: 1 - Canister - 2.7 Liter

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Chloromethane	74-87-3	0.2	0.0756	ppbV	70-130	25		25	25			
cis-1,2-Dichloroethene	156-59-2	0.02	0.0102	ppbV	70-130	25		25	25			
trans-1,2-Dichloroethene	156-60-5	0.02	0.009	ppbV	70-130	25		25	25			
1,2-Dichloroethene (total)	540-59-0	0.02	0.009	ppbV				25	25			
cis-1,3-Dichloropropene	10061-01-5	0.02	0.0118	ppbV	70-130	25		25	25			
1,3-Dichloropropene, Total	542-75-6	0.02	0.0115	ppbV				25	25			
Cyclohexane	110-82-7	0.2	0.0313	ppbV	70-130	25		25	25			
Dibromochloromethane	124-48-1	0.02	0.008	ppbV	70-130	25		25	25			
Dibromomethane	74-95-3	0.2	0.0251	ppbV	70-130	25		25	25			
Dichlorodifluoromethane	75-71-8	0.2	0.0499	ppbV	70-130	25		25	25			
Ethyl Alcohol	GCDAl06	5	1.35	ppbV	40-160	25		25	25			
Ethyl Acetate	141-78-6	0.5	0.323	ppbV	70-130	25		25	25			
Ethylbenzene	100-41-4	0.02	0.0085	ppbV	70-130	25		25	25			
Fluorobenzene	462-06-6	0.05	0.009	ppbV	70-130	25		25	25			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	0.05	0.0083	ppbV	70-130	25		25	25			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	0.05	0.0064	ppbV	70-130	25		25	25			
Methylcyclohexane	108-87-2	0.02	0.0051	ppbV	70-130	25		25	25			
Methylene chloride	75-09-2	0.5	0.11	ppbV	70-130	25		25	25			
Methyl tert butyl ether	1634-04-4	0.2	0.0261	ppbV	70-130	25		25	25			
m/p-Dibromobenzene	108-36-1/106-37-6	0.5	0.0137	ppbV	70-130	25		25	25			
Naphthalene	91-20-3	0.05	0.021	ppbV	70-130	25		25	25			
p/m-Xylene	179601-23-1	0.04	0.018	ppbV	70-130	25		25	25			
o-Xylene	95-47-6	0.02	0.0087	ppbV	70-130	25		25	25			
Heptane	142-82-5	0.2	0.0313	ppbV	70-130	25		25	25			
n-Hexane	110-54-3	0.2	0.0471	ppbV	70-130	25		25	25			
Propylene	115-07-1	0.5	0.167	ppbV	70-130	25		25	25			
Styrene	100-42-5	0.02	0.0079	ppbV	70-130	25		25	25			
tert-Butyl Alcohol	75-65-0	0.5	0.134	ppbV	70-130	25		25	25			
Tetrachloroethene	127-18-4	0.02	0.0074	ppbV	70-130	25		25	25			
Tetrahydrofuran	109-99-9	0.5	0.142	ppbV	70-130	25		25	25			
Toluene	108-88-3	0.1	0.0166	ppbV	70-130	25		25	25			
trans-1,3-Dichloropropene	10061-02-6	0.02	0.0115	ppbV	70-130	25		25	25			
Trichloroethene	79-01-6	0.02	0.006	ppbV	70-130	25		25	25			
1,2,4-Trichlorobenzene	120-82-1	0.05	0.0146	ppbV	70-130	25		25	25			
Trichlorofluoromethane	75-69-4	0.05	0.0092	ppbV	70-130	25		25	25			
Vinyl acetate	108-05-4	1	0.286	ppbV	70-130	25		25	25			
Vinyl bromide	593-60-2	0.2	0.0431	ppbV	70-130	25		25	25			
Hexachlorobutadiene	87-68-3	0.05	0.011	ppbV	70-130	25		25	25			
iso-Propyl Alcohol	67-63-0	0.5	0.249	ppbV	40-160	25		25	25			
Vinyl chloride	75-01-4	0.02	0.0088	ppbV	70-130	25		25	25			
Acrylonitrile	107-13-1	0.5	0.162	ppbV	70-130	25		25	25			
n-Butylbenzene	104-51-8	0.2	0.0319	ppbV	70-130	25		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 the laboratory.

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Volatile Organics in Air by TO-15 SIM (AIR)

Holding Time: 30 days
Container/Sample Preservation: 1 - Canister - 2.7 Liter

[illegible]

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 the laboratory.

Volatiles Sample Data

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-01
 Client ID : AMB-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747487_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:05
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:15
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.110	0.020	--	0.692	0.126	--	
79-01-6	Trichloroethene	0.224	0.020	--	1.20	0.107	--	
127-18-4	Tetrachloroethene	1.97	0.020	--	13.4	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-02
 Client ID : IA-203
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747489_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:10
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 21:31
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.106	0.020	--	0.667	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.424	0.020	--	2.88	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-03
 Client ID : IA-202
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747490_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:26
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:10
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.114	0.020	--	0.717	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.306	0.020	--	2.08	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-04
 Client ID : IA-201
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747491_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:32
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 22:48
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.106	0.020	--	0.667	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.499	0.020	--	3.38	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-05
 Client ID : IA-7
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747492_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 15:55
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 23:26
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.114	0.020	--	0.717	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.032	0.020	--	0.217	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-06
 Client ID : IAQ-1
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747488_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 16:52
 Date Received : 02/20/25
 Date Analyzed : 03/06/25 20:53
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.052	0.020	--	0.353	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-07
 Client ID : IA-11
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747493_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:26
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:04
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	0.041	0.020	--	0.163	0.079	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.117	0.020	--	0.736	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.048	0.020	--	0.325	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : L2509499-08
 Client ID : IA-9
 Sample Location : FAR ROCKAWAY, NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747494_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 00:42
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.111	0.020	--	0.698	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.034	0.020	--	0.231	0.136	--	



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : WG2037509-4
 Client ID : WG2037509-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747486_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/06/25 19:37
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Stantec
 Project Name : BELLE HARBOR
 Lab ID : WG2037509-5
 Client ID : IA-9DUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1747495_EV2
 Sample Amount : 250 ml

Lab Number : L2509499
 Project Number : 195601412
 Date Collected : 02/19/25 18:24
 Date Received : 02/20/25
 Date Analyzed : 03/07/25 01:21
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB17
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.111	0.020	--	0.698	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.035	0.020	--	0.237	0.136	--	



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747487_Ev2.D
 Acq On : 6 Mar 2025 8:15 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-01,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:57:51 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.867	49	147210	10.000	ppbV	0.05
Standard Area = 157683			Recovery =		93.36%	
33) 1,4-difluorobenzene	11.083	114	399866	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		86.85%	
51) chlorobenzene-D5	15.833	54	59300	10.000	ppbV	0.05
Standard Area = 64423			Recovery =		92.05%	

System Monitoring Compounds

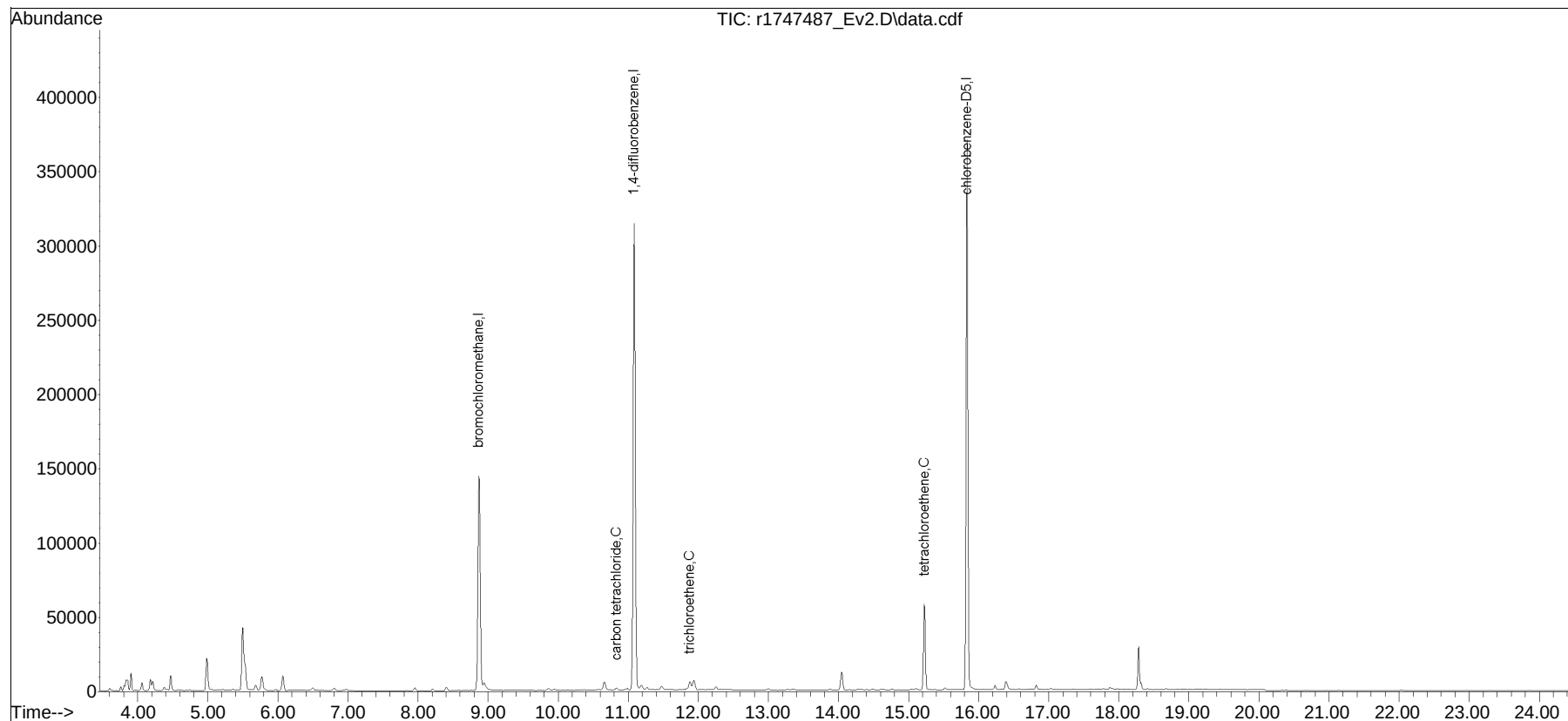
Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	0.000		0	N.D.	
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.830	117	1237	0.110 ppbV #	94
44) trichloroethene	11.877	130	3210	0.224 ppbV	97
57) tetrachloroethene	15.225	166	30324	1.969 ppbV	99

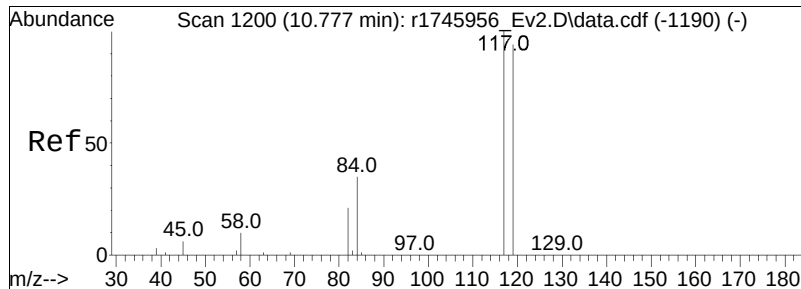
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747487_Ev2.D
Acq On : 6 Mar 2025 8:15 PM
Operator : AIRLAB17:TPH
Sample : L2509499-01,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

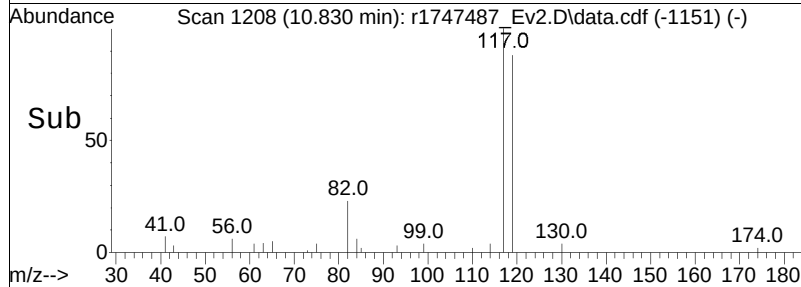
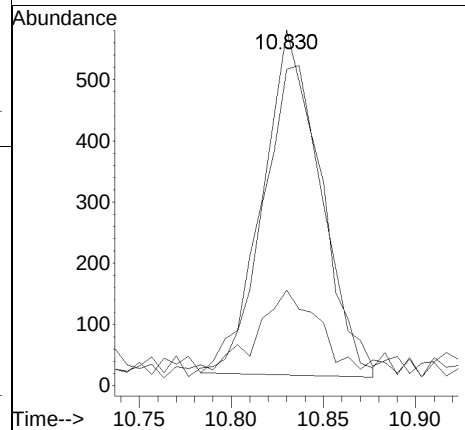
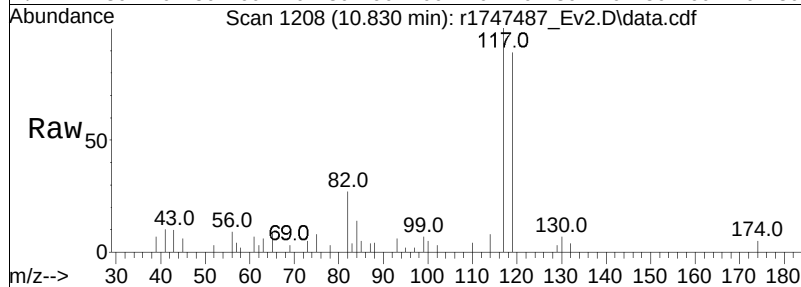
Quant Time: Mar 07 07:57:51 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

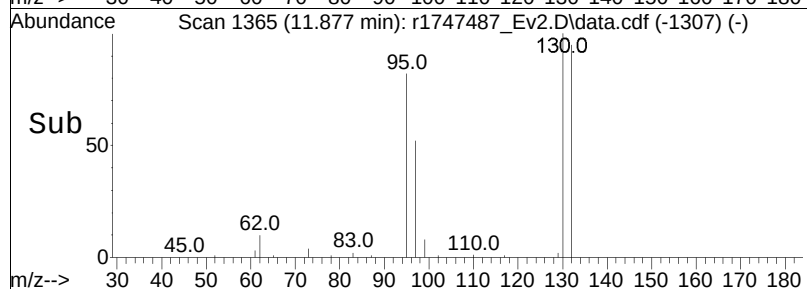
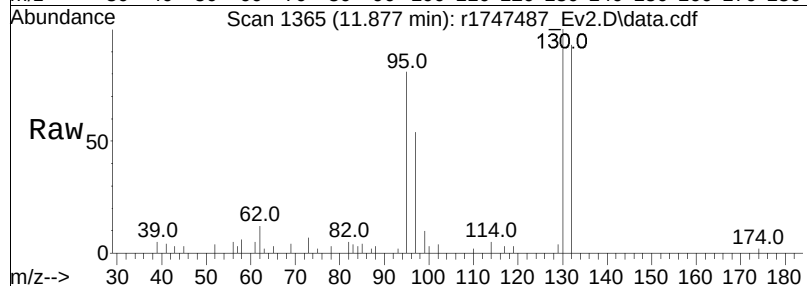
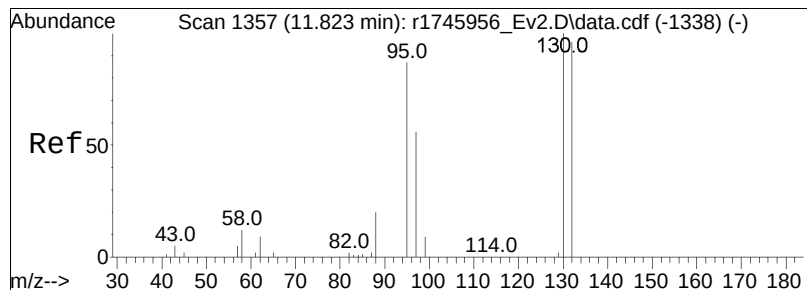




#38
 carbon tetrachloride
 Concen: 0.11 ppbV
 RT: 10.830 min Scan# 1208
 Delta R.T. 0.053 min
 Lab File: r1747487_Ev2.D
 Acq: 6 Mar 2025 8:15 PM

Tgt Ion:117 Resp: 1237
 Ion Ratio Lower Upper
 117 100
 119 89.0 75.4 113.0
 82 26.9 17.4 26.0#





#44

trichloroethene

Concen: 0.22 ppbV

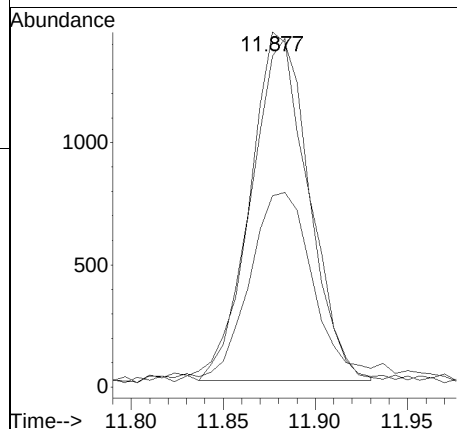
RT: 11.877 min Scan# 1365

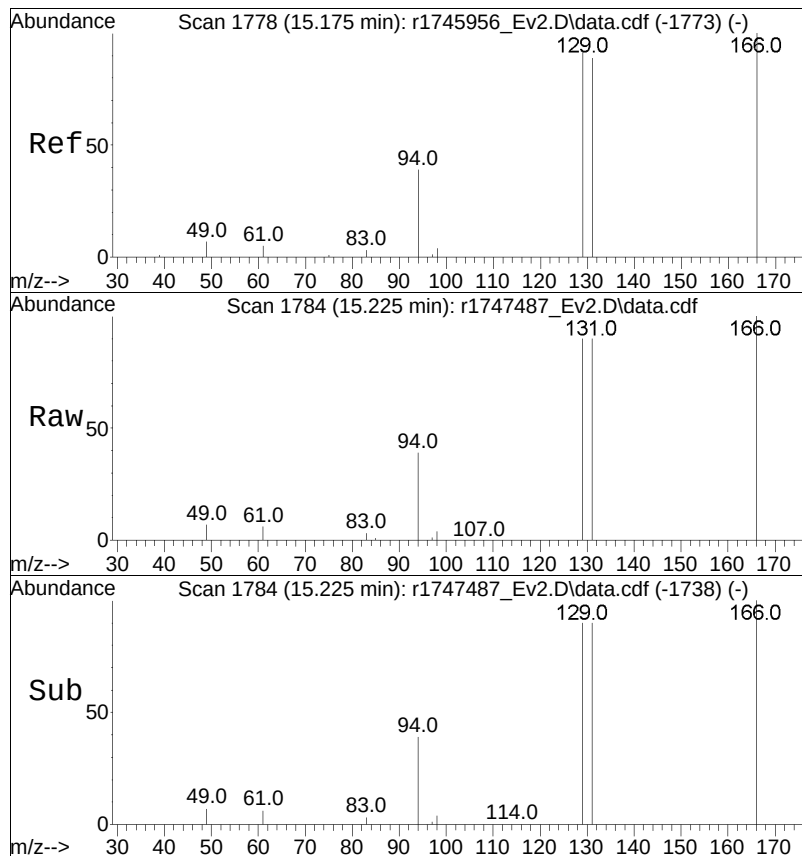
Delta R.T. 0.054 min

Lab File: r1747487_Ev2.D

Acq: 6 Mar 2025 8:15 PM

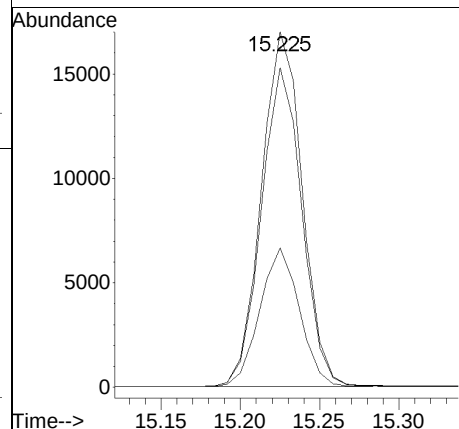
Tgt Ion:	130	Resp:	3210
Ion Ratio	Lower	Upper	
130	100		
132	93.2	77.2	115.8
97	53.9	44.6	67.0





#57
 tetrachloroethene
 Concen: 1.97 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747487_Ev2.D
 Acq: 6 Mar 2025 8:15 PM

Tgt	Ion:166	Resp:	30324
Ion	Ratio	Lower	Upper
166	100		
131	90.0	70.9	106.3
94	39.2	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747487_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 8:15 PM	Instrument	:
Sample	: L2509499-01,3,250,250	Quant Date	: 3/7/2025 7:57 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747488_Ev2.D
 Acq On : 6 Mar 2025 8:53 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-06,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:03 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.883	49	152594	10.000	ppbV	0.07
Standard Area = 157683			Recovery =		96.77%	
33) 1,4-difluorobenzene	11.083	114	451060	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		97.97%	
51) chlorobenzene-D5	15.825	54	64907	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		100.75%	

System Monitoring Compounds

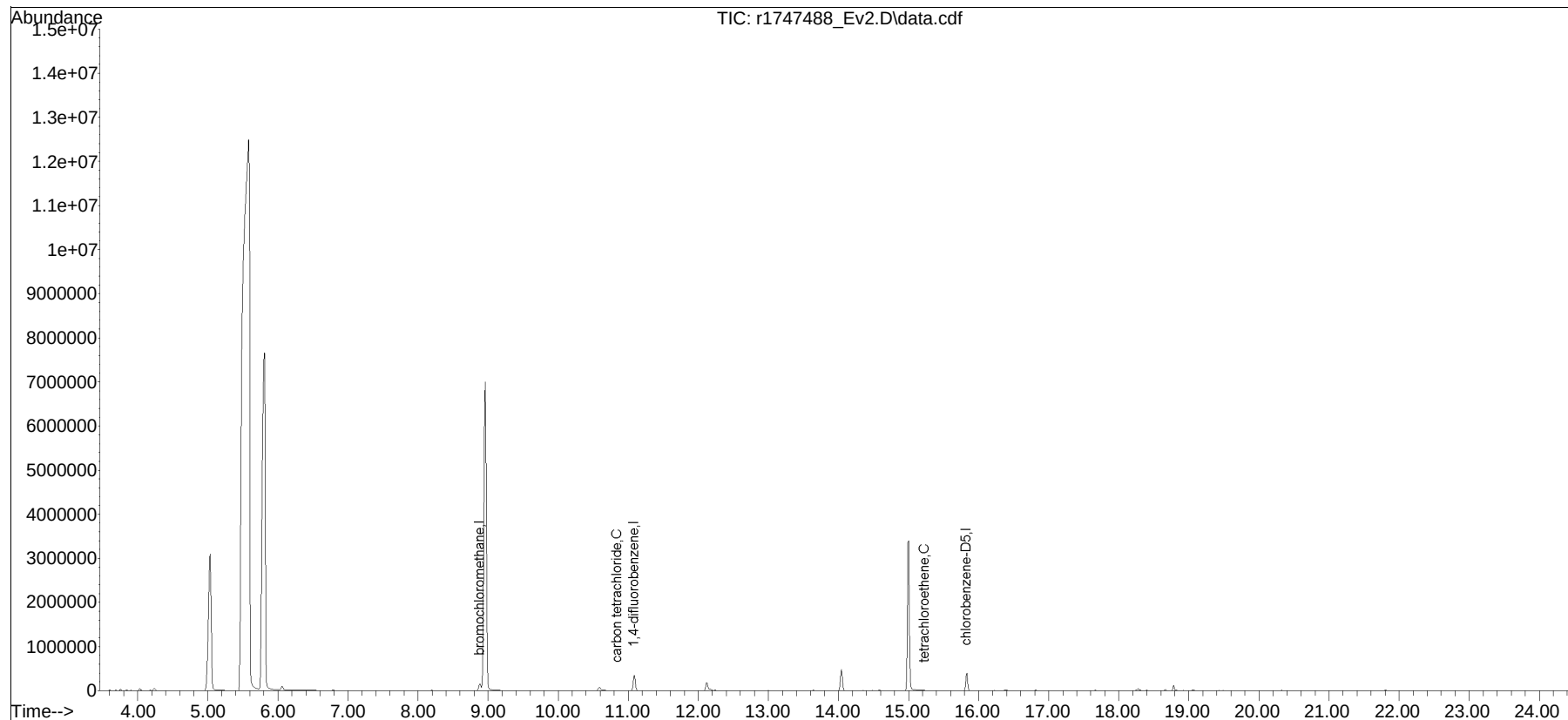
Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	0.000		0	N.D.	
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.837	117	1108	0.087 ppbV	92
44) trichloroethene	11.983		0	N.D.	
57) tetrachloroethene	15.225	166	871	0.052 ppbV	98

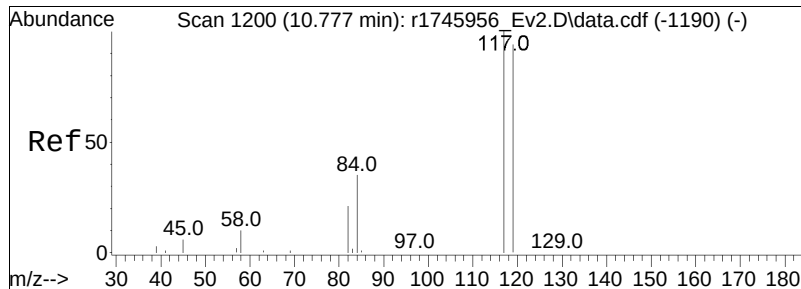
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747488_Ev2.D
Acq On : 6 Mar 2025 8:53 PM
Operator : AIRLAB17:TPH
Sample : L2509499-06,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:03 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration





#38

carbon tetrachloride

Concen: 0.09 ppbV

RT: 10.837 min Scan# 1209

Delta R.T. 0.060 min

Lab File: r1747488_Ev2.D

Acq: 6 Mar 2025 8:53 PM

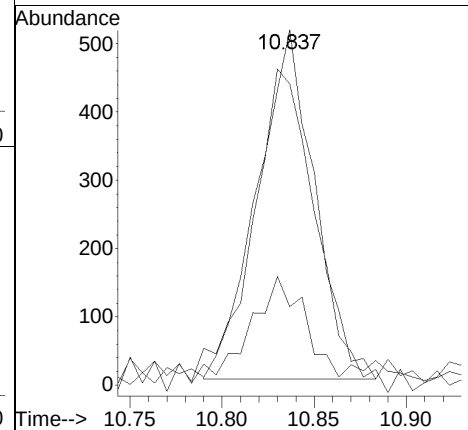
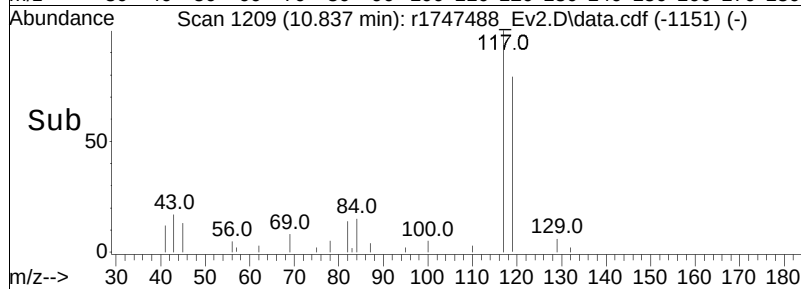
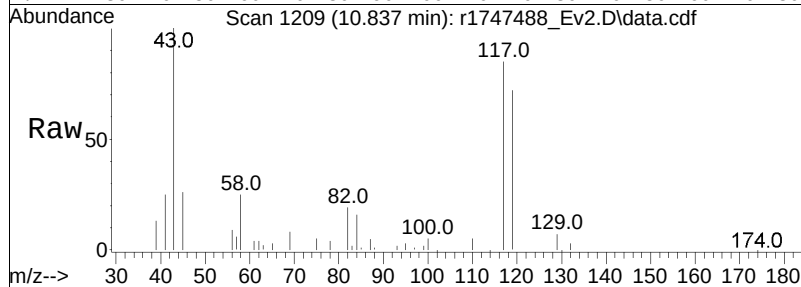
Tgt Ion:117 Resp: 1108

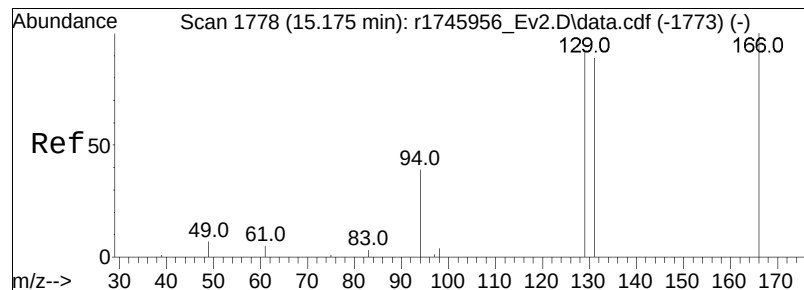
Ion Ratio Lower Upper

117 100

119 84.8 75.4 113.0

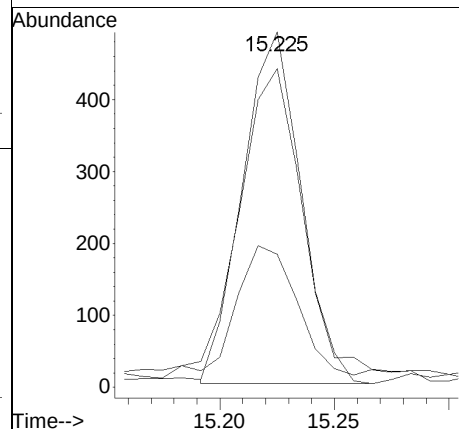
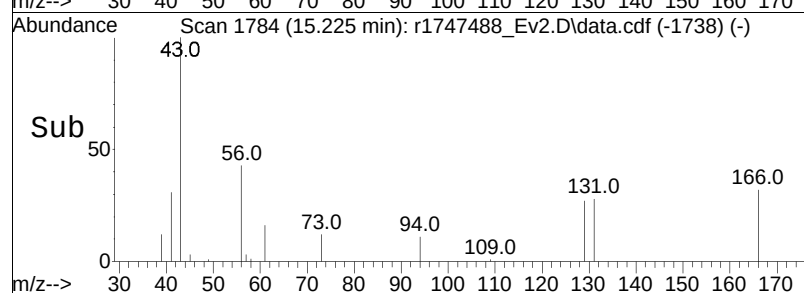
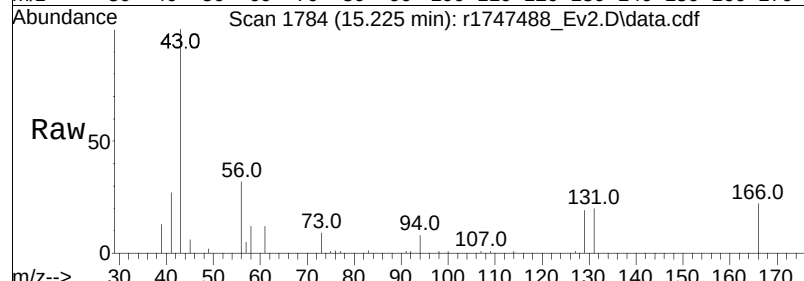
82 22.1 17.4 26.0





#57
 tetrachloroethene
 Concen: 0.05 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747488_Ev2.D
 Acq: 6 Mar 2025 8:53 PM

Tgt Ion	Ratio	Lower	Upper
166	100		
131	89.7	70.9	106.3
94	37.4	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747488_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 8:53 PM	Instrument	:
Sample	: L2509499-06,3,250,250	Quant Date	: 3/7/2025 7:58 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747489_Ev2.D
 Acq On : 6 Mar 2025 9:31 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-02,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:16 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.867	49	144612	10.000	ppbV	0.05
Standard Area = 157683			Recovery =		91.71%	
33) 1,4-difluorobenzene	11.083	114	395924	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		85.99%	
51) chlorobenzene-D5	15.825	54	58827	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		91.31%	

System Monitoring Compounds

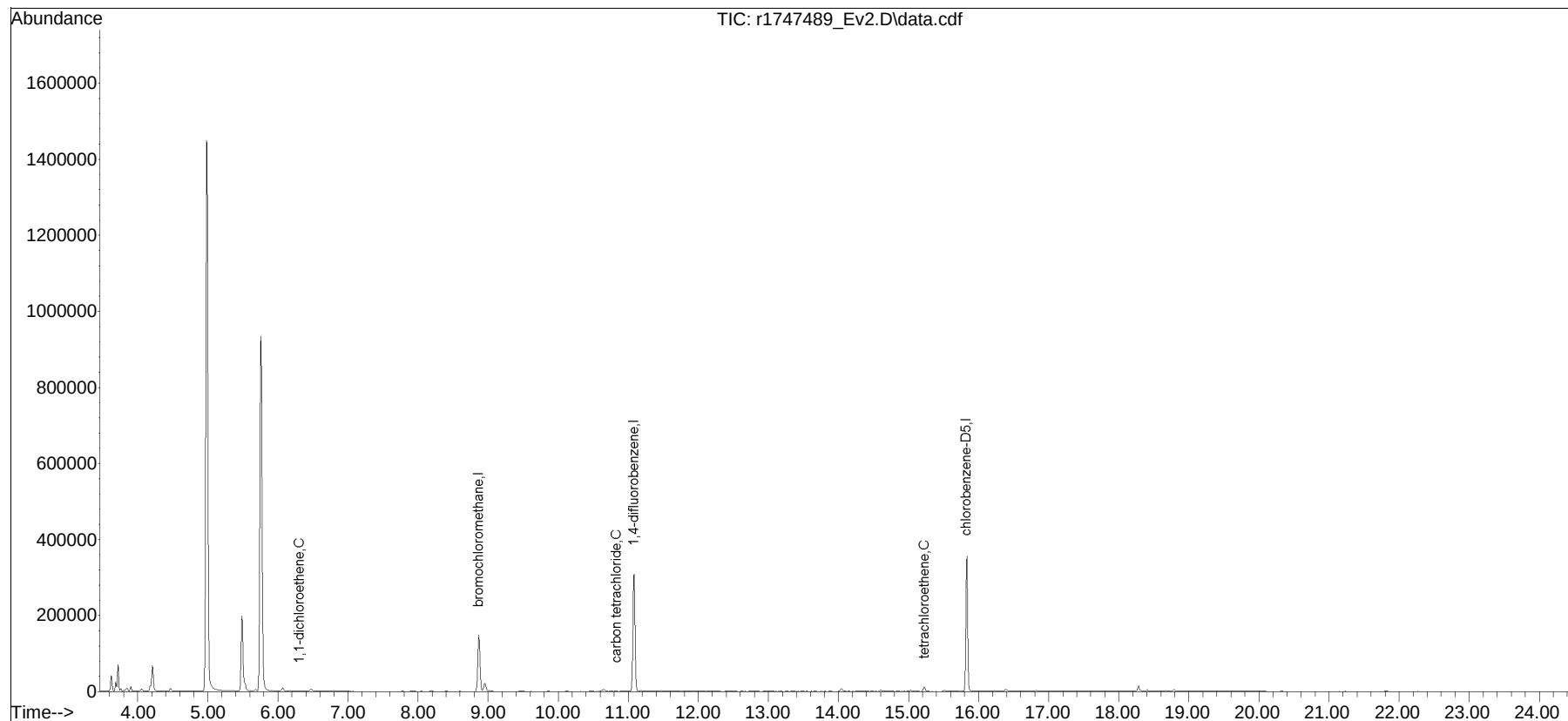
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.306	61	202	0.017	ppbV #	50
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	10.830	117	1183	0.106	ppbV	93
44) trichloroethene	11.870		0	N.D.		
57) tetrachloroethene	15.225	166	6482	0.424	ppbV	99

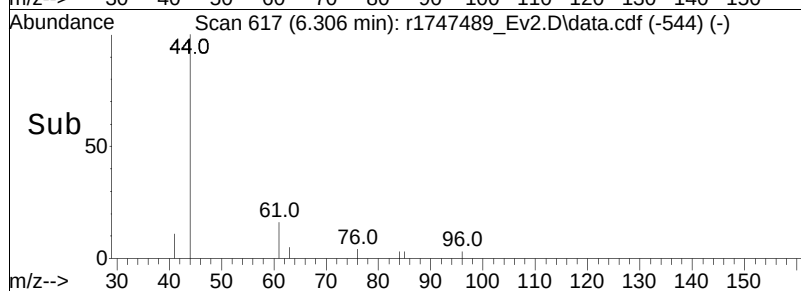
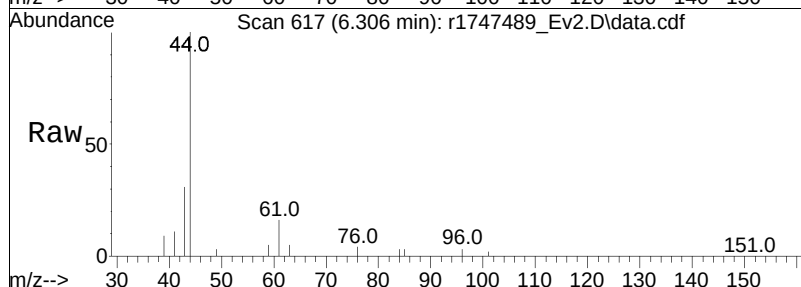
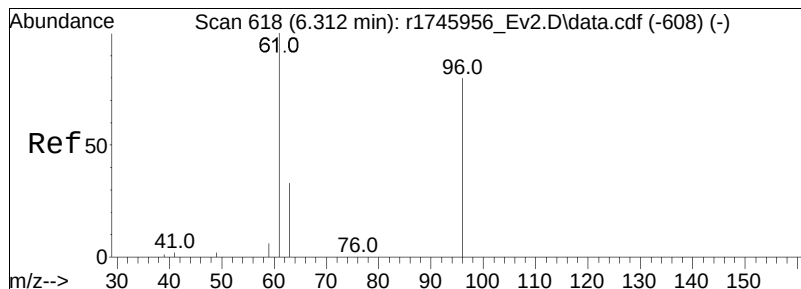
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747489_Ev2.D
Acq On : 6 Mar 2025 9:31 PM
Operator : AIRLAB17:TPH
Sample : L2509499-02,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

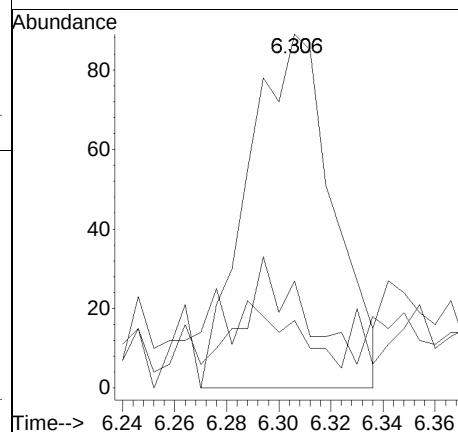
Quant Time: Mar 07 07:58:16 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

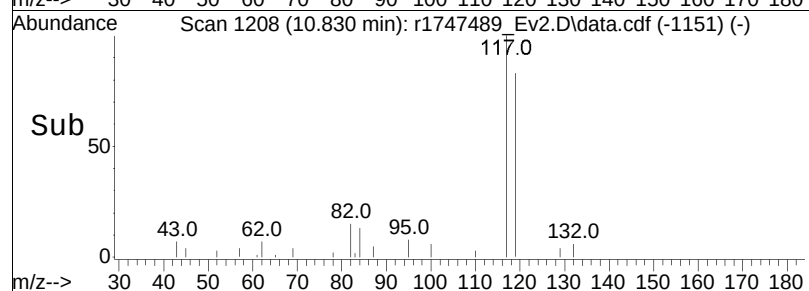
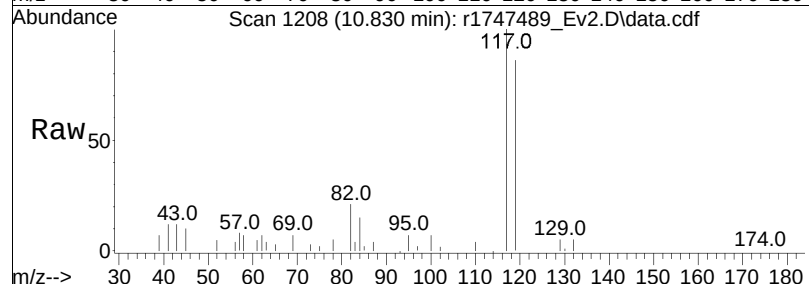
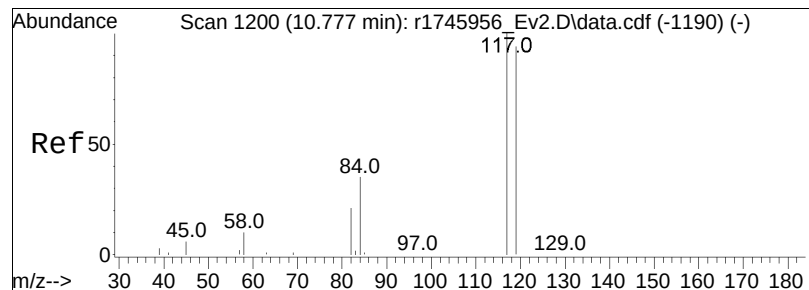




#17
 1,1-dichloroethene
 Concen: 0.02 ppbV
 RT: 6.306 min Scan# 617
 Delta R.T. -0.006 min
 Lab File: r1747489_Ev2.D
 Acq: 6 Mar 2025 9:31 PM

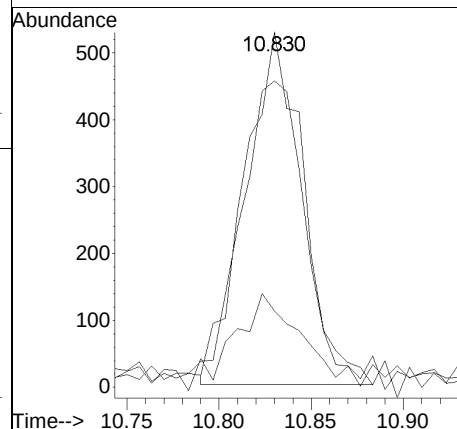
Tgt Ion:	61	Resp:	202
Ion Ratio	Lower	Upper	
61	100		
96	19.1	64.1	96.1#
63	30.3	26.5	39.7

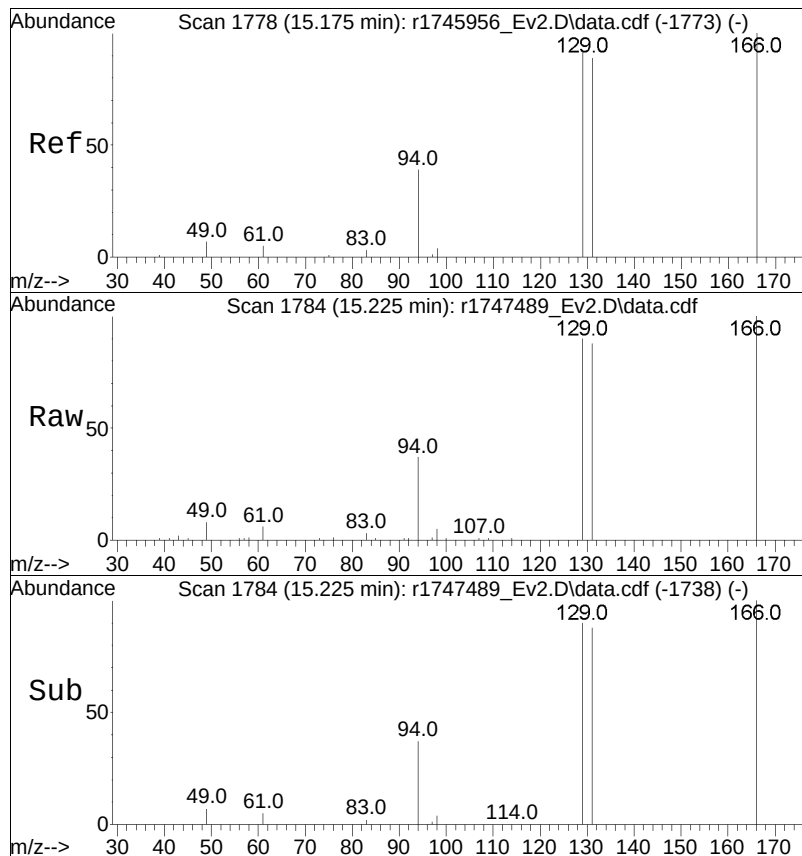




#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 10.830 min Scan# 1208
Delta R.T. 0.053 min
Lab File: r1747489_Ev2.D
Acq: 6 Mar 2025 9:31 PM

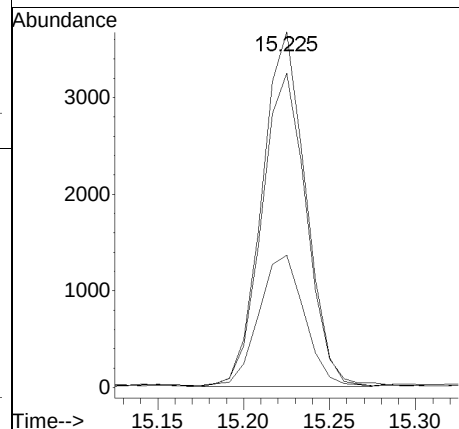
Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.3	75.4	113.0
82	21.5	17.4	26.0





#57
 tetrachloroethene
 Concen: 0.42 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747489_Ev2.D
 Acq: 6 Mar 2025 9:31 PM

Tgt Ion:	166	Resp:	6482
Ion Ratio	Lower	Upper	
166	100		
131	88.4	70.9	106.3
94	37.2	31.1	46.7



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1747489_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 9:31 PM Instrument :
Sample : L2509499-02,3,250,250 Quant Date : 3/7/2025 7:58 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747490_Ev2.D
 Acq On : 6 Mar 2025 10:10 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-03,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:27 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.867	49	142305	10.000	ppbV	0.05
Standard Area = 157683			Recovery =	90.25%		
33) 1,4-difluorobenzene	11.077	114	379970	10.000	ppbV	0.05
Standard Area = 460428			Recovery =	82.53%		
51) chlorobenzene-D5	15.825	54	57700	10.000	ppbV	0.04
Standard Area = 64423			Recovery =	89.56%		

System Monitoring Compounds

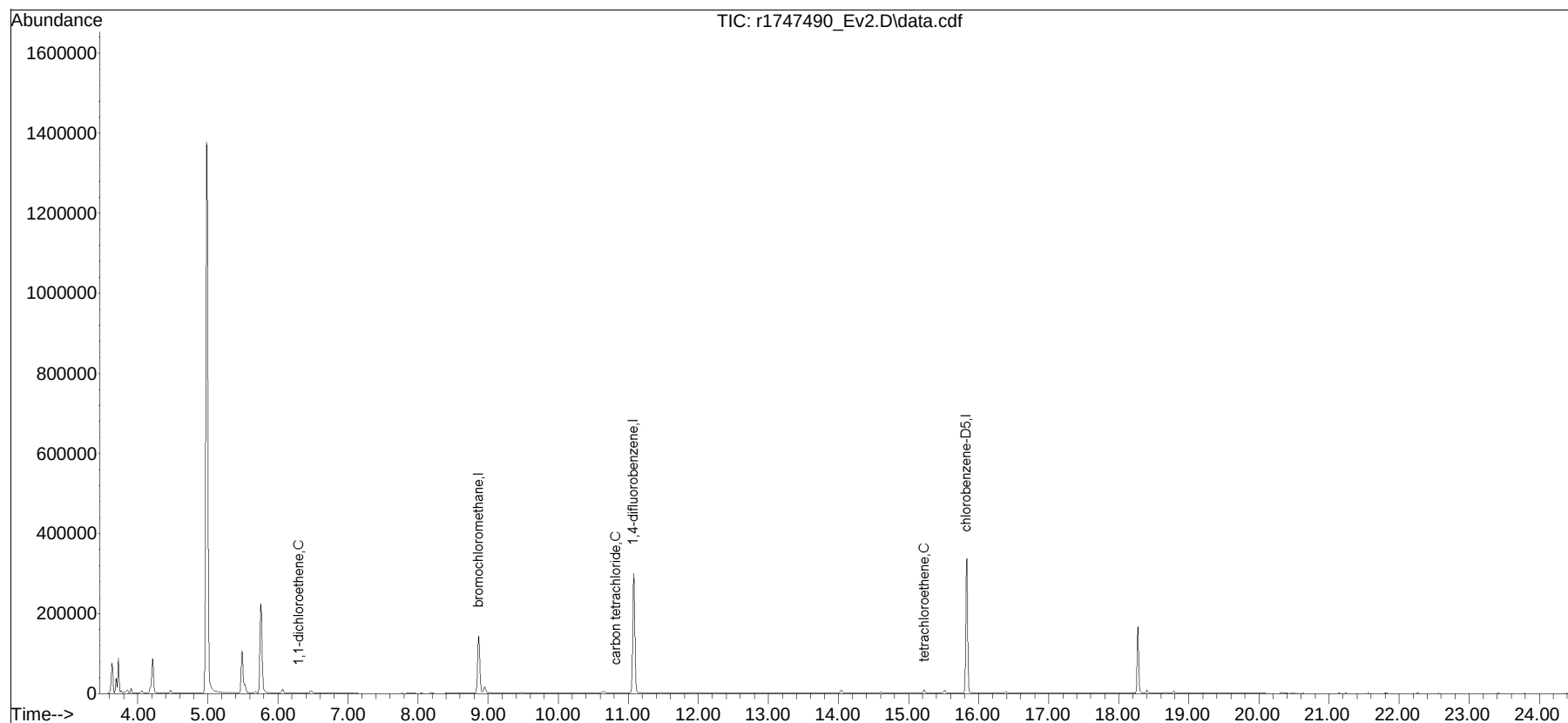
Target Compounds					Qvalue	
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.300	61	161	0.014	ppbV #	57
28) cis-1,2-dichloroethene	8.683		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	10.823	117	1216	0.114	ppbV #	91
44) trichloroethene	11.857		0	N.D.		
57) tetrachloroethene	15.225	166	4591	0.306	ppbV	97

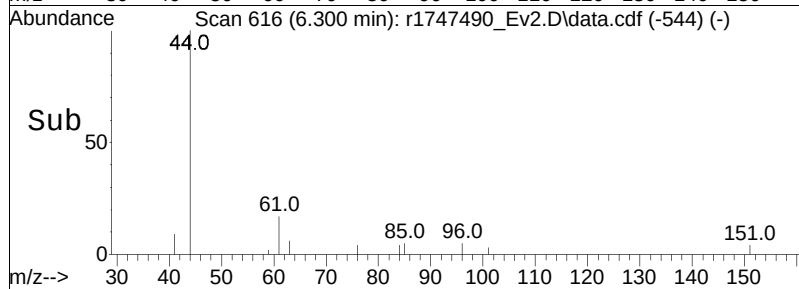
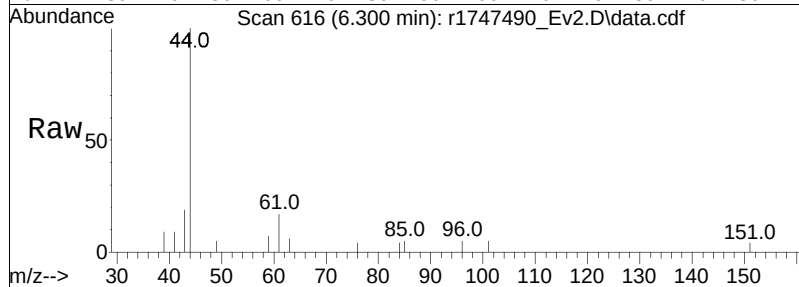
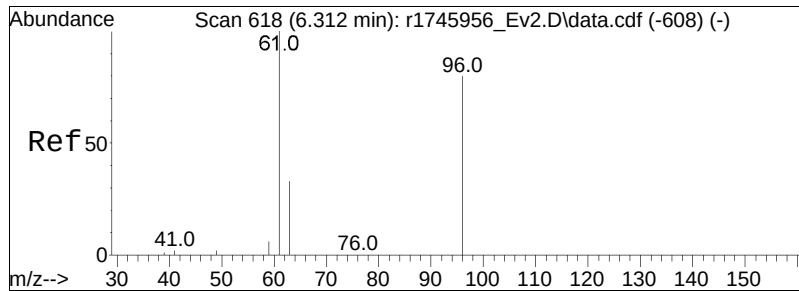
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747490_Ev2.D
Acq On : 6 Mar 2025 10:10 PM
Operator : AIRLAB17:TPH
Sample : L2509499-03,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

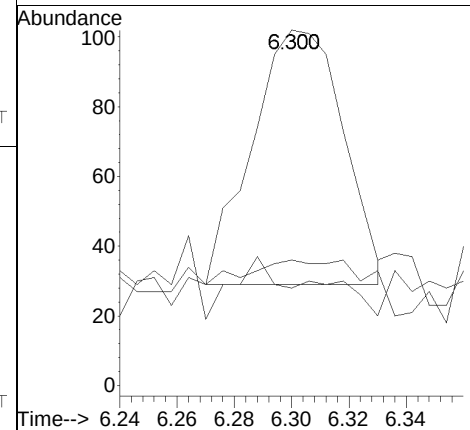
Quant Time: Mar 07 07:58:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

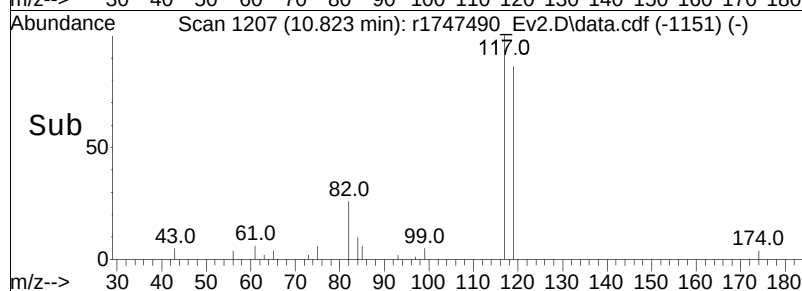
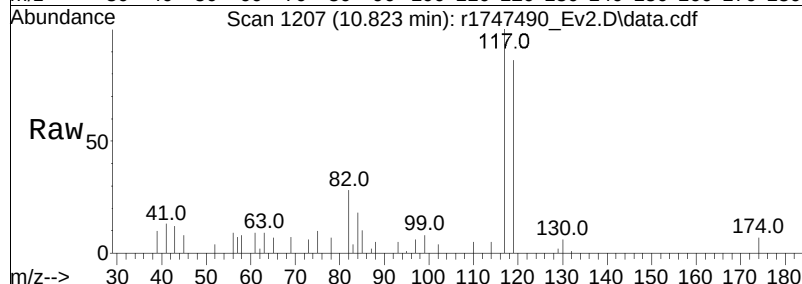
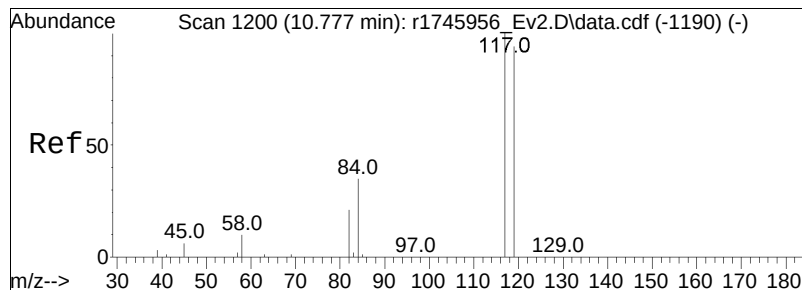




#17
 1,1-dichloroethene
 Concen: 0.01 ppbV
 RT: 6.300 min Scan# 616
 Delta R.T. -0.012 min
 Lab File: r1747490_Ev2.D
 Acq: 6 Mar 2025 10:10 PM

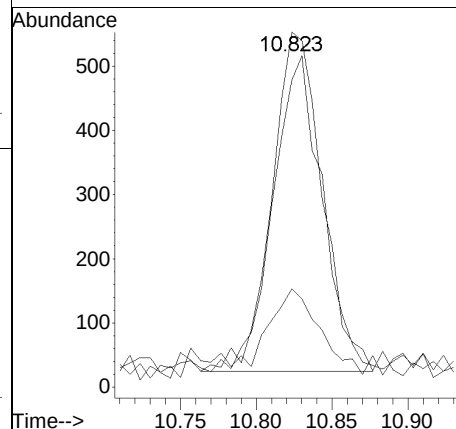
Tgt Ion: 61 Resp: 161
 Ion Ratio Lower Upper
 61 100
 96 27.5 64.1 96.1#
 63 35.3 26.5 39.7

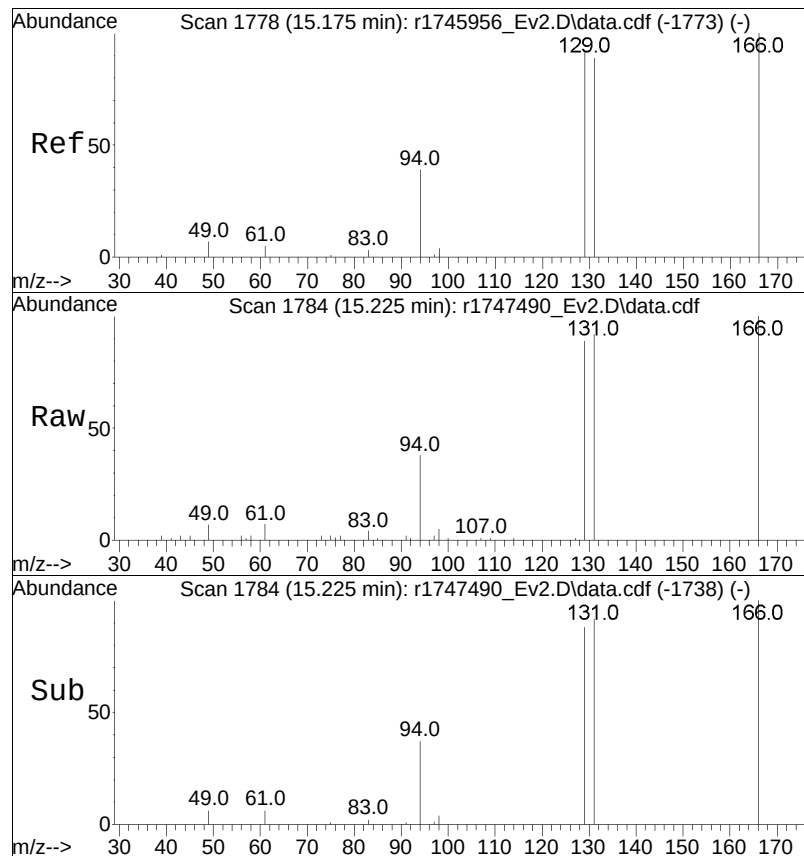




#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 10.823 min Scan# 1207
Delta R.T. 0.046 min
Lab File: r1747490_Ev2.D
Acq: 6 Mar 2025 10:10 PM

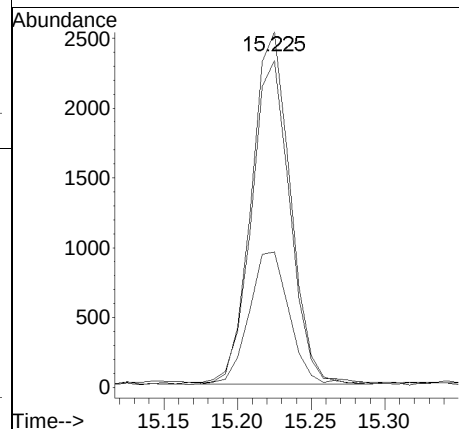
Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	75.4	113.0
82	27.7	17.4	26.0#





#57
 tetrachloroethene
 Concen: 0.31 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747490_Ev2.D
 Acq: 6 Mar 2025 10:10 PM

Tgt Ion:	166	Resp:	4591
Ion Ratio	Lower	Upper	
166	100		
131	92.0	70.9	106.3
94	38.2	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747490_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 10:10 PM	Instrument	:
Sample	: L2509499-03,3,250,250	Quant Date	: 3/7/2025 7:58 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747491_Ev2.D
 Acq On : 6 Mar 2025 10:48 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-04,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:38 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.858	49	146536	10.000	ppbV	0.04
Standard Area = 157683			Recovery =		92.93%	
33) 1,4-difluorobenzene	11.077	114	405230	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		88.01%	
51) chlorobenzene-D5	15.825	54	61424	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		95.34%	

System Monitoring Compounds

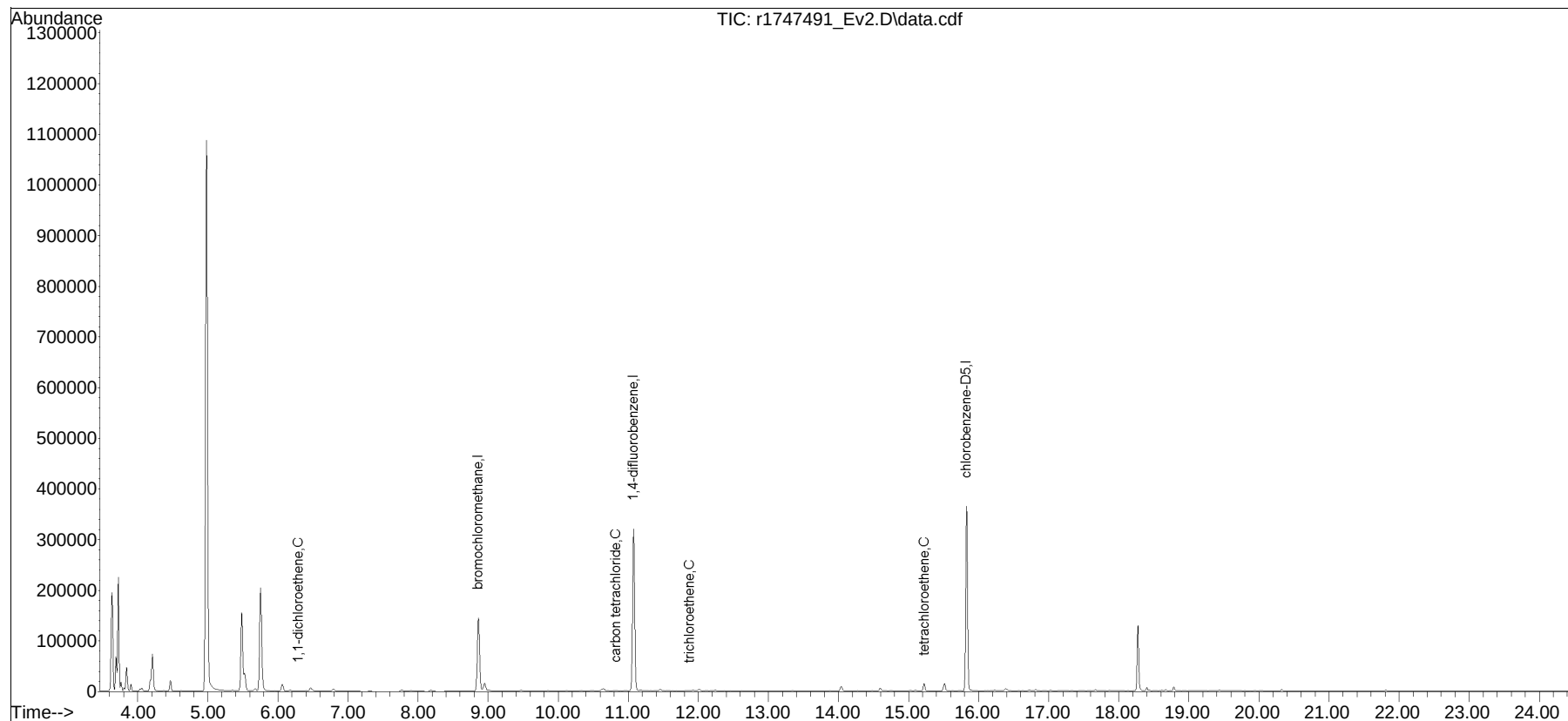
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.294	61	203	0.017	ppbV #	57
28) cis-1,2-dichloroethene	0.000		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	10.823	117	1214	0.106	ppbV #	97
44) trichloroethene	11.877	130	191	0.013	ppbV	92
57) tetrachloroethene	15.225	166	7957	0.499	ppbV	97

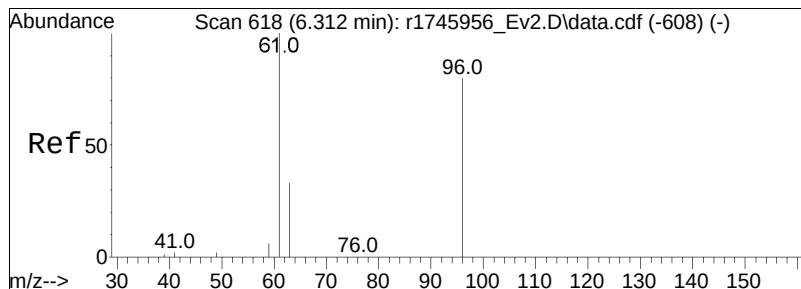
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747491_Ev2.D
Acq On : 6 Mar 2025 10:48 PM
Operator : AIRLAB17:TPH
Sample : L2509499-04,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

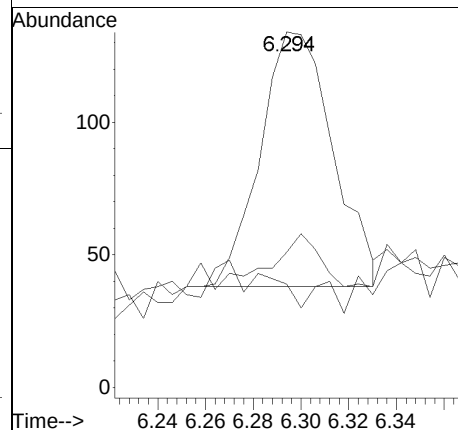
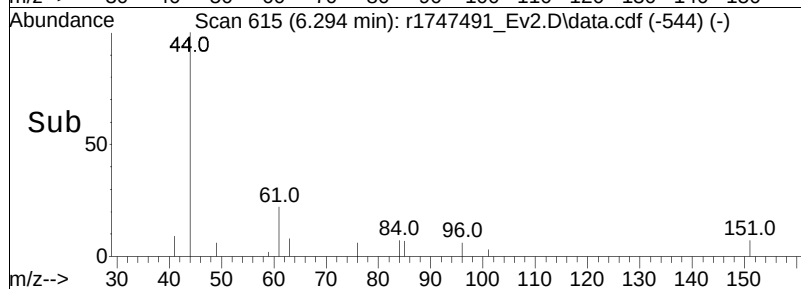
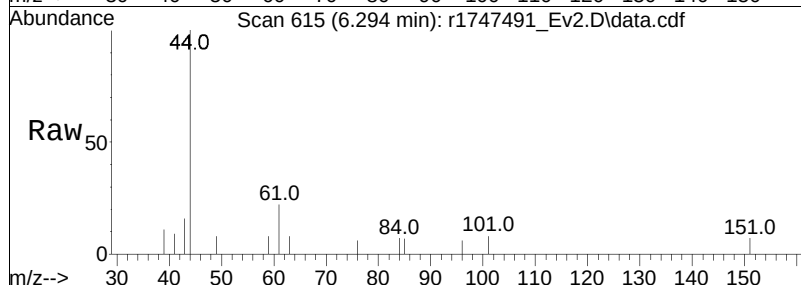
Quant Time: Mar 07 07:58:38 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

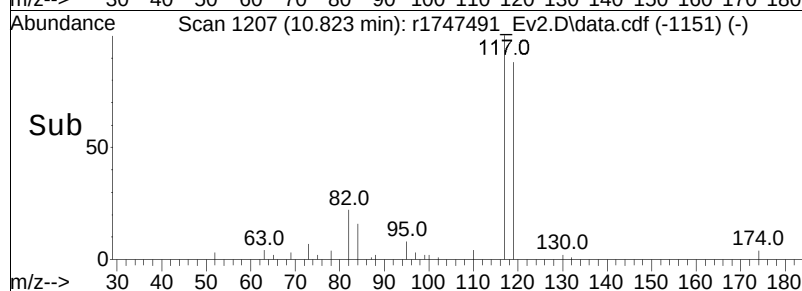
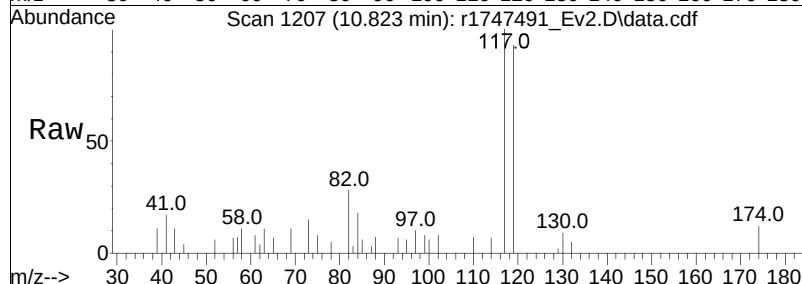
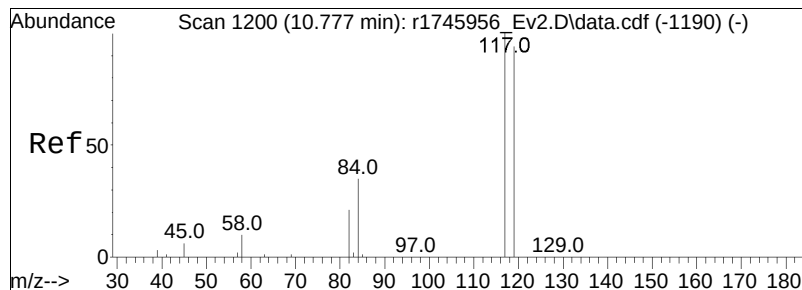




#17
 1,1-dichloroethene
 Concen: 0.02 ppbV
 RT: 6.294 min Scan# 615
 Delta R.T. -0.018 min
 Lab File: r1747491_Ev2.D
 Acq: 6 Mar 2025 10:48 PM

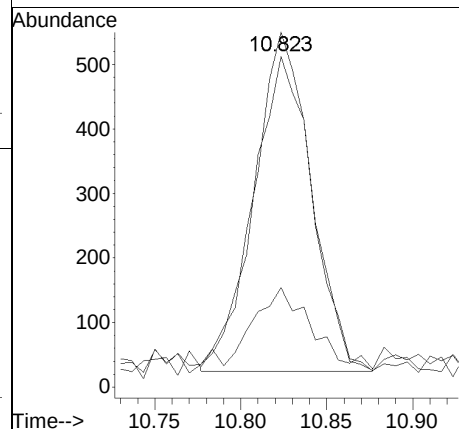
Tgt Ion:	61	Resp:	203
Ion Ratio	Lower	Upper	
61	100		
96	29.1	64.1	96.1#
63	38.1	26.5	39.7

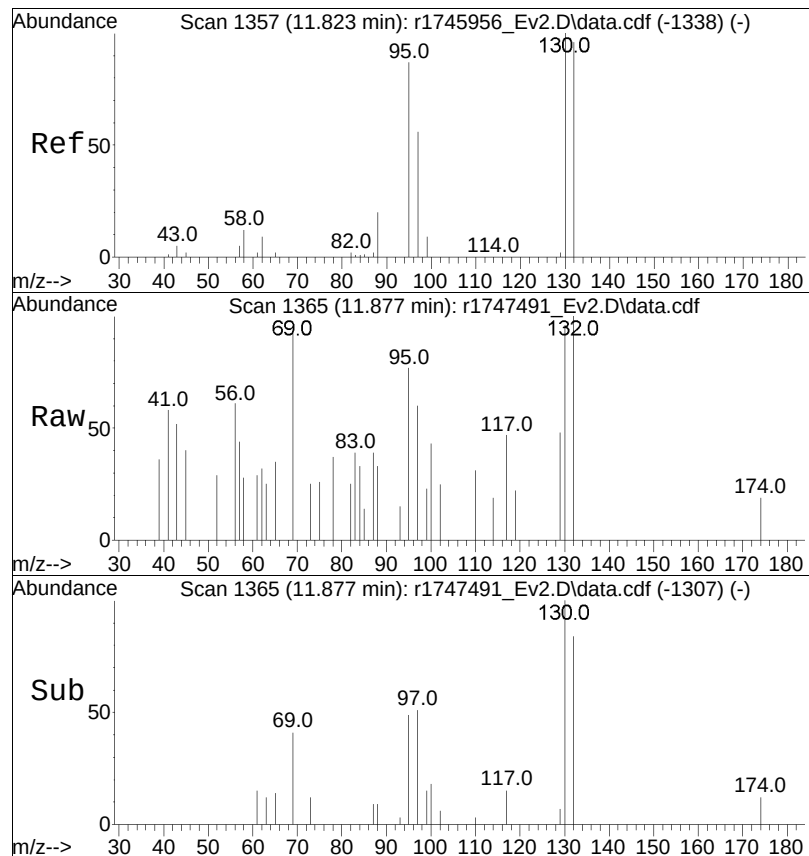




#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 10.823 min Scan# 1207
Delta R.T. 0.046 min
Lab File: r1747491_Ev2.D
Acq: 6 Mar 2025 10:48 PM

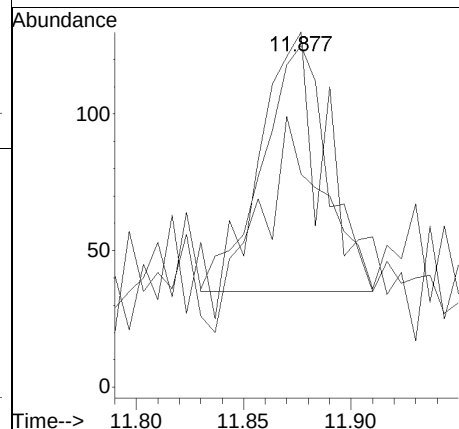
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.4	113.0
82	28.0	17.4	26.0#

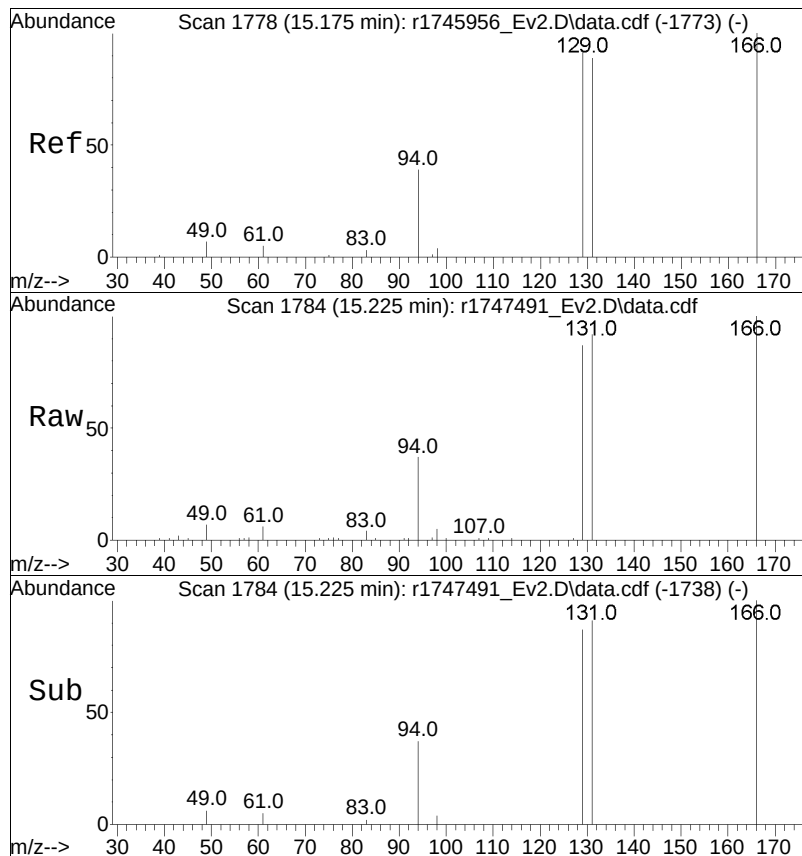




#44
 trichloroethene
 Concen: 0.01 ppbV
 RT: 11.877 min Scan# 1365
 Delta R.T. 0.054 min
 Lab File: r1747491_Ev2.D
 Acq: 6 Mar 2025 10:48 PM

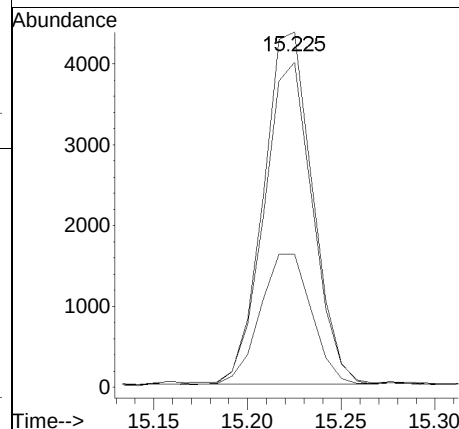
Tgt Ion:	130	Resp:	191
Ion Ratio	Lower	Upper	
130	100		
132	104.0	77.2	115.8
97	62.4	44.6	67.0





#57
 tetrachloroethene
 Concen: 0.50 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747491_Ev2.D
 Acq: 6 Mar 2025 10:48 PM

Tgt Ion:	166	Resp:	7957
Ion Ratio	Lower	Upper	
166	100		
131	91.5	70.9	106.3
94	37.5	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747491_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 10:48 PM	Instrument	:
Sample	: L2509499-04,3,250,250	Quant Date	: 3/7/2025 7:58 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747492_Ev2.D
 Acq On : 6 Mar 2025 11:26 PM
 Operator : AIRLAB17:TPH
 Sample : L2509499-05,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:58:51 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.858	49	139741	10.000	ppbV	0.04
Standard Area = 157683			Recovery =		88.62%	
33) 1,4-difluorobenzene	11.077	114	355110	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		77.13%	
51) chlorobenzene-D5	15.825	54	55178	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		85.65%	

System Monitoring Compounds

Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	0.000		0	N.D.	d
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.830	117	1135	0.114	ppbV 98
44) trichloroethene	0.000		0	N.D.	
57) tetrachloroethene	15.217	166	465	0.032	ppbV 96

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

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\

Data File : r1747492_Ev2.D

Acq On : 6 Mar 2025 11:26 PM

Operator : AIRLAB17:TPH

Sample : L2509499-05,3,250,250

Misc : WG2037509,ICAL21813

ALS Vial : 0 Sample Multiplier: 1

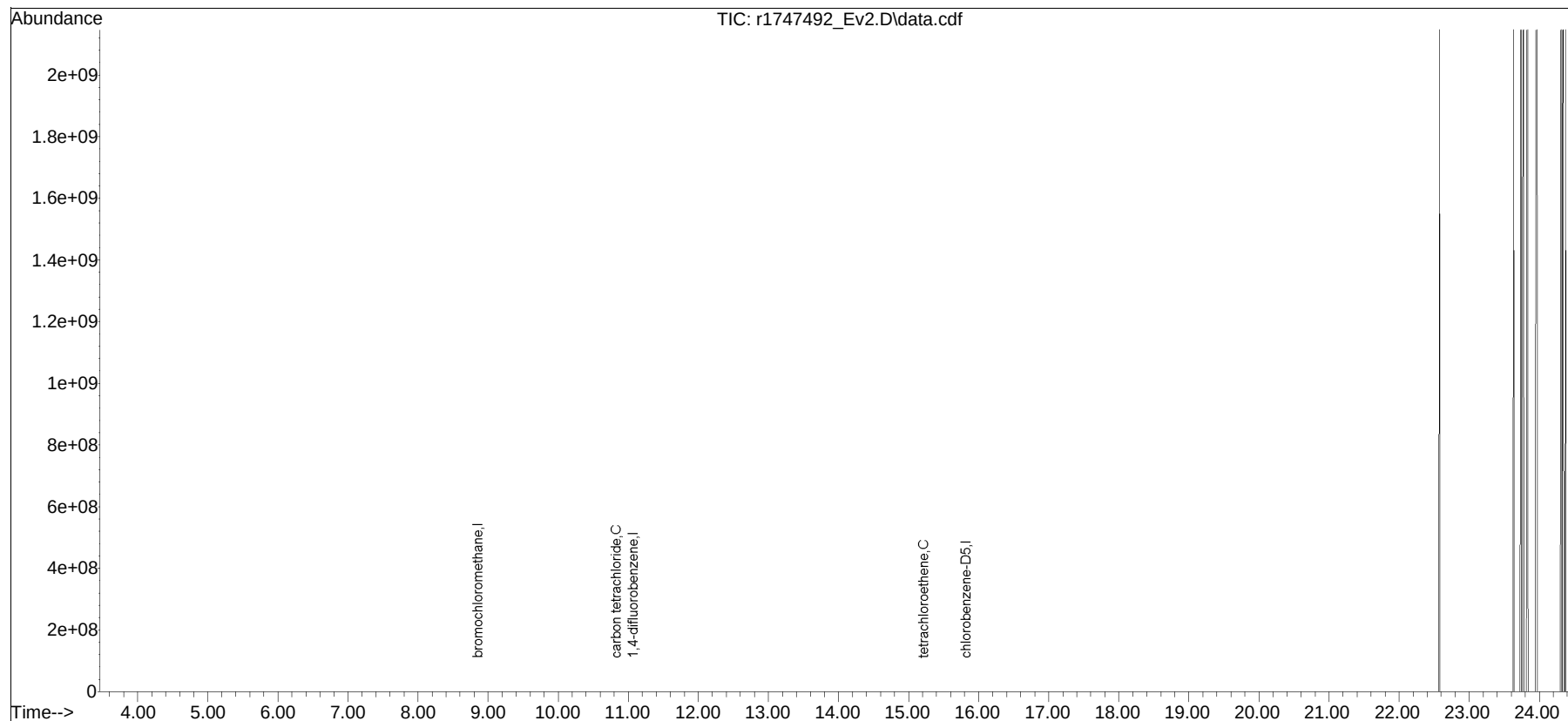
Quant Time: Mar 07 07:58:51 2025

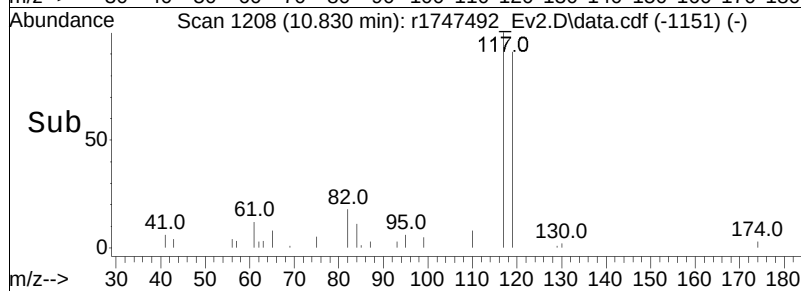
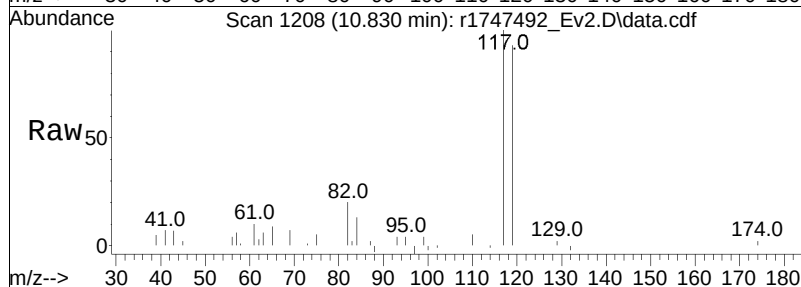
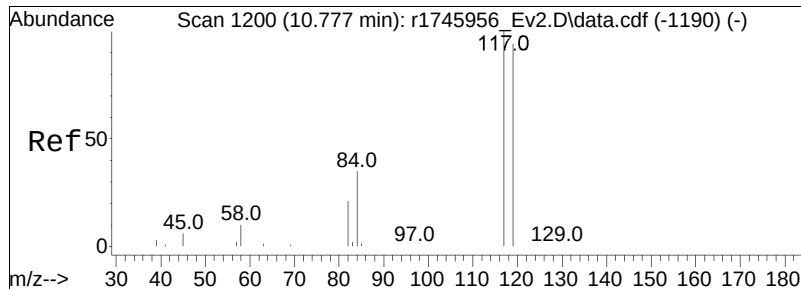
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M

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

QLast Update : Mon Dec 23 14:33:59 2024

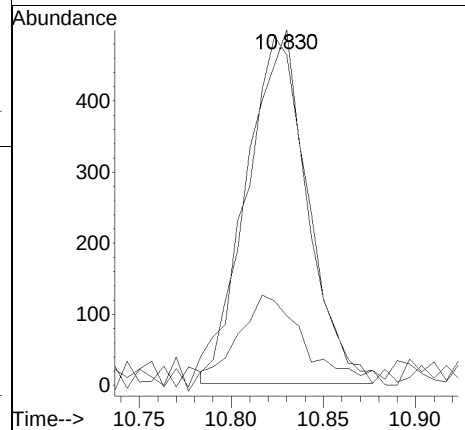
Response via : Initial Calibration

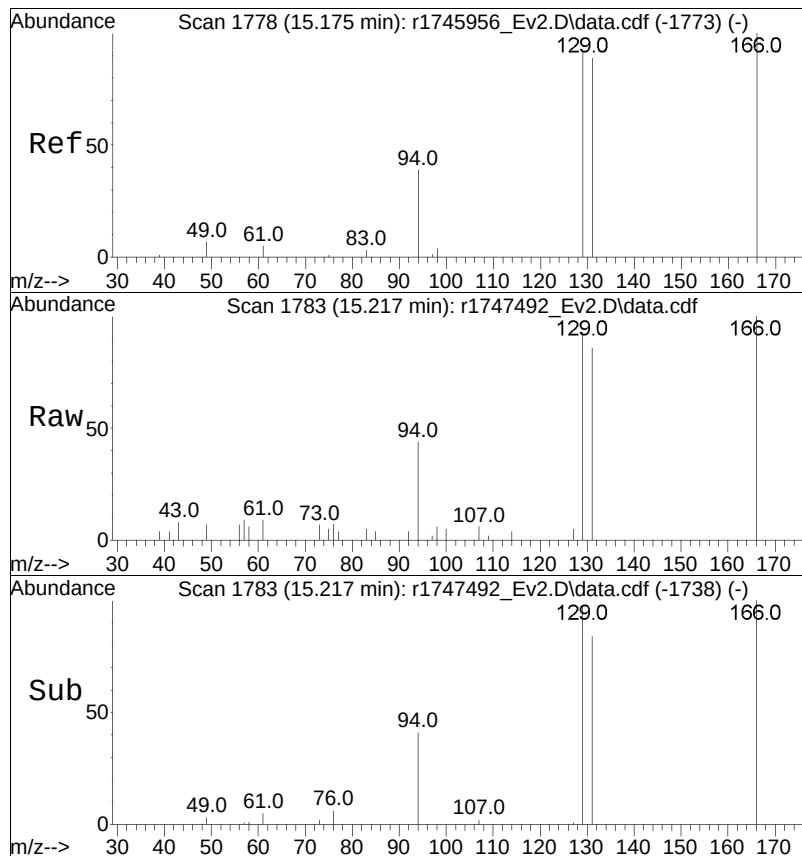




#38
 carbon tetrachloride
 Concen: 0.11 ppbV
 RT: 10.830 min Scan# 1208
 Delta R.T. 0.053 min
 Lab File: r1747492_Ev2.D
 Acq: 6 Mar 2025 11:26 PM

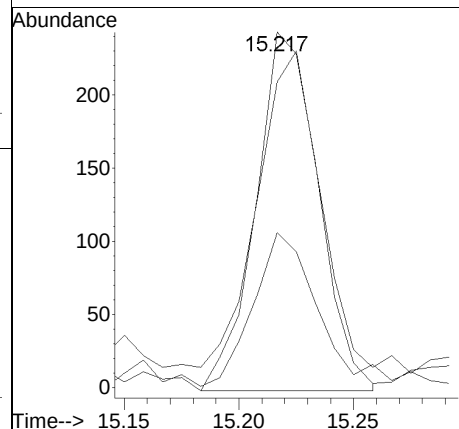
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.0	75.4	113.0	
82	19.6	17.4	26.0	





#57
 tetrachloroethene
 Concen: 0.03 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.042 min
 Lab File: r1747492_Ev2.D
 Acq: 6 Mar 2025 11:26 PM

Tgt Ion:	166	Resp:	465
Ion Ratio	Lower	Upper	
166	100		
131	86.0	70.9	106.3
94	43.6	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747492_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 11:26 PM	Instrument	:
Sample	: L2509499-05,3,250,250	Quant Date	: 3/7/2025 7:58 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747493_Ev2.D
 Acq On : 7 Mar 2025 12:04 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-07,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:59:02 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.867	49	143927	10.000	ppbV	0.05
Standard Area = 157683			Recovery =		91.28%	
33) 1,4-difluorobenzene	11.077	114	388182	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		84.31%	
51) chlorobenzene-D5	15.825	54	58473	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		90.76%	

System Monitoring Compounds

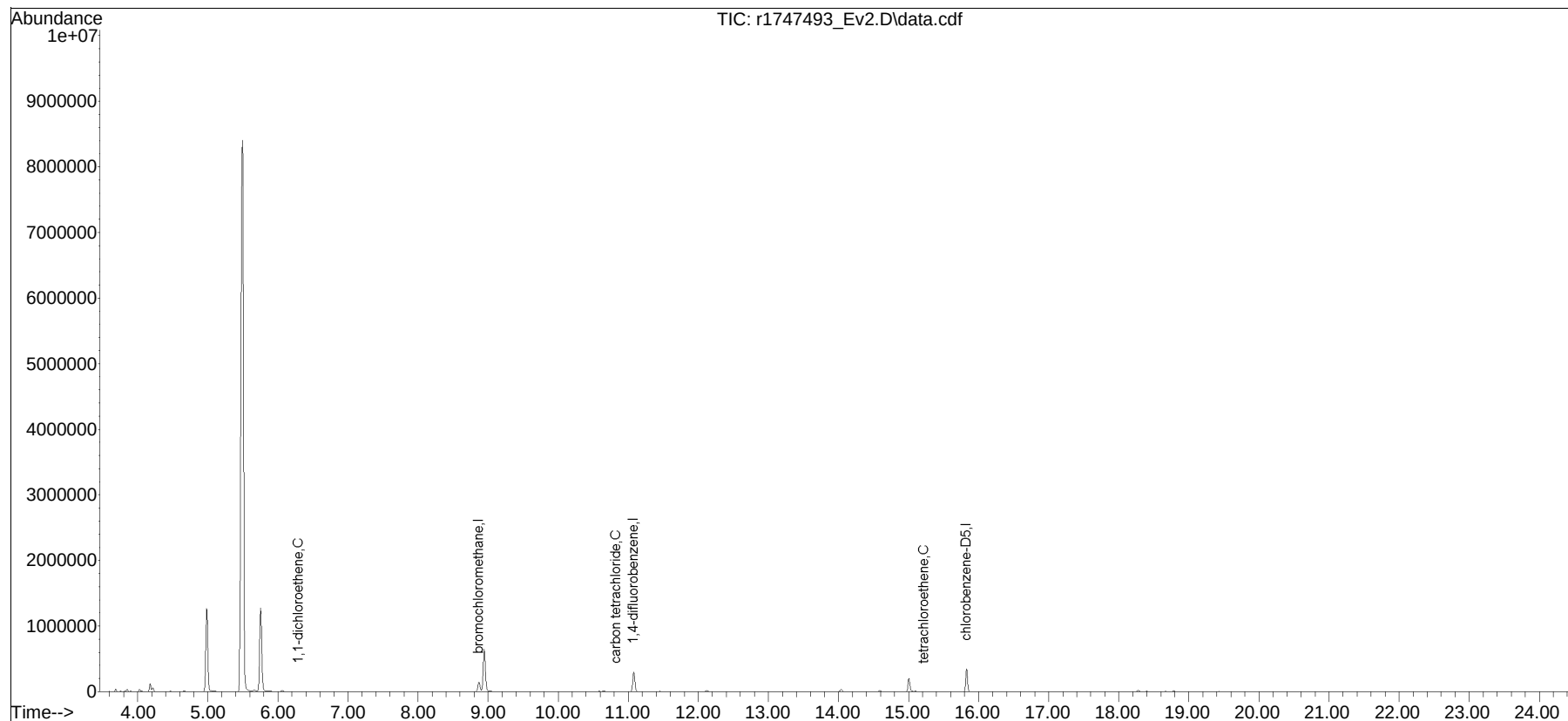
Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	6.294	61	475	0.041 ppbV #	40
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.823	117	1280	0.117 ppbV	91
44) trichloroethene	0.000		0	N.D.	
57) tetrachloroethene	15.217	166	723	0.048 ppbV	98

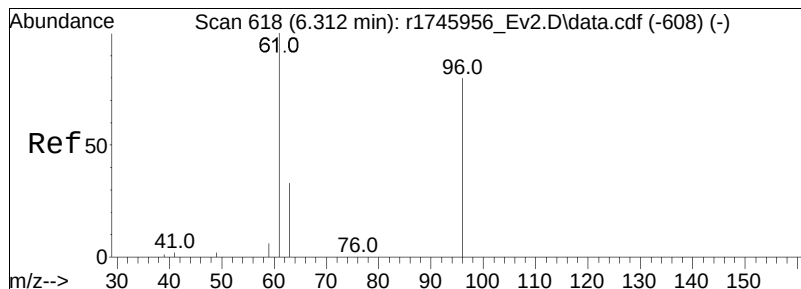
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747493_Ev2.D
Acq On : 7 Mar 2025 12:04 AM
Operator : AIRLAB17:TPH
Sample : L2509499-07,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

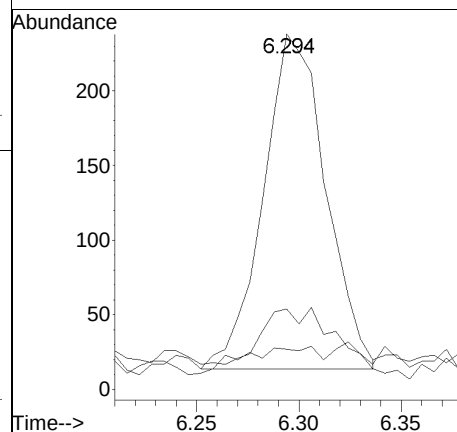
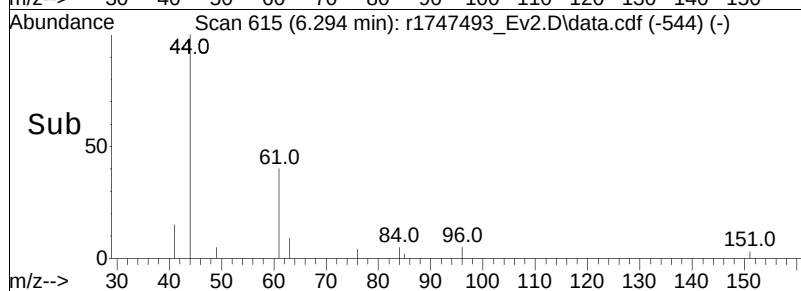
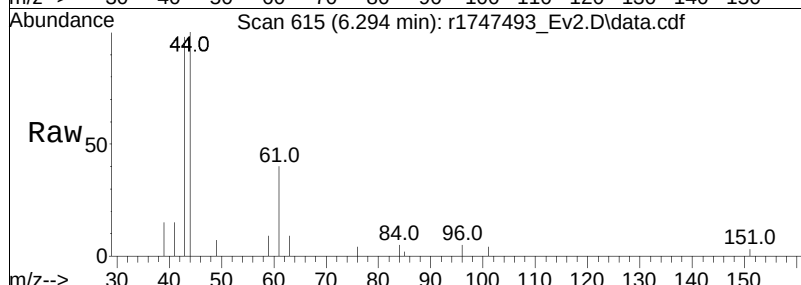
Quant Time: Mar 07 07:59:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

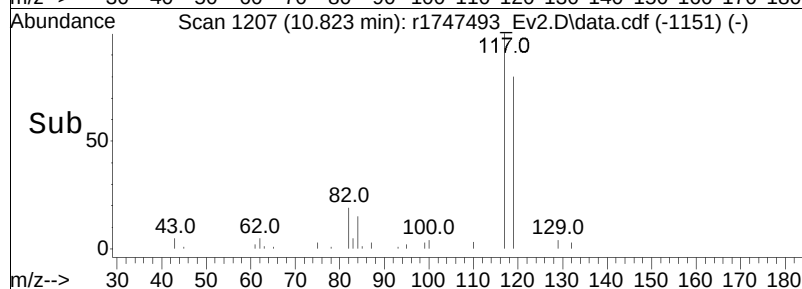
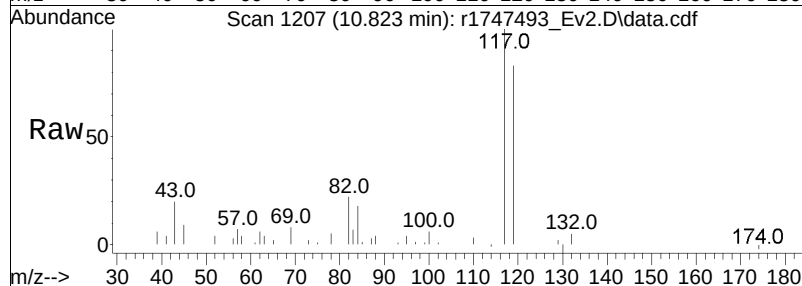
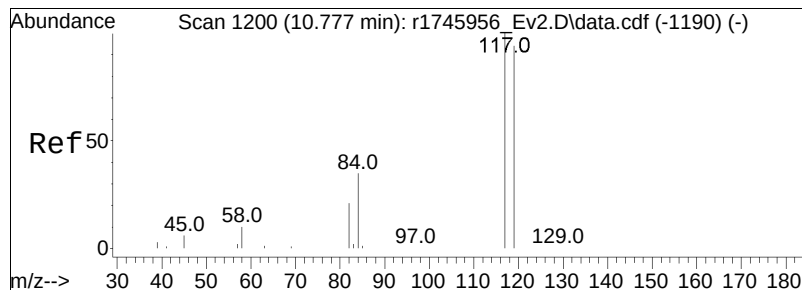




#17
 1,1-dichloroethene
 Concen: 0.04 ppbV
 RT: 6.294 min Scan# 615
 Delta R.T. -0.018 min
 Lab File: r1747493_Ev2.D
 Acq: 7 Mar 2025 12:04 AM

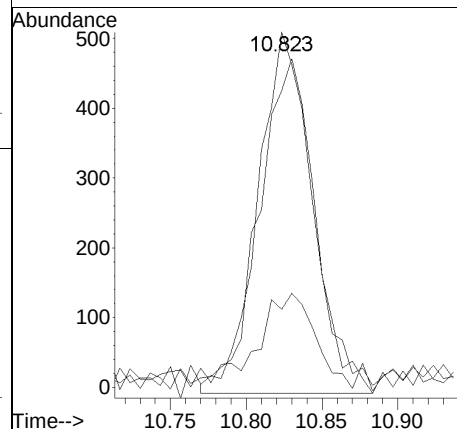
Tgt Ion: 61 Resp: 475
 Ion Ratio Lower Upper
 61 100
 96 11.3 64.1 96.1#
 63 22.7 26.5 39.7#

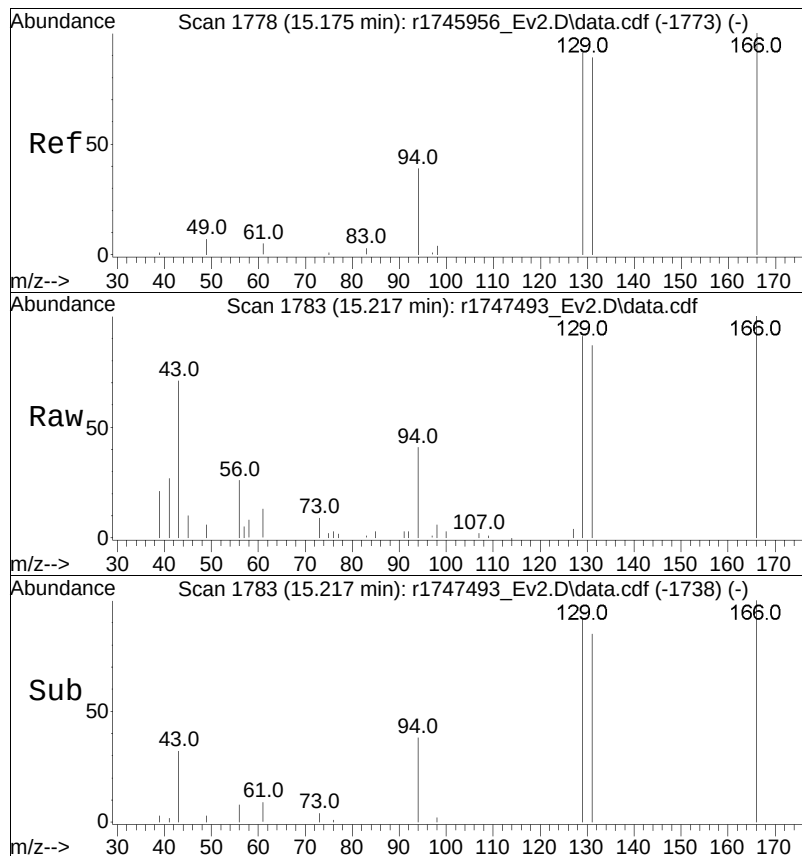




#38
carbon tetrachloride
Concen: 0.12 ppbV
RT: 10.823 min Scan# 1207
Delta R.T. 0.046 min
Lab File: r1747493_Ev2.D
Acq: 7 Mar 2025 12:04 AM

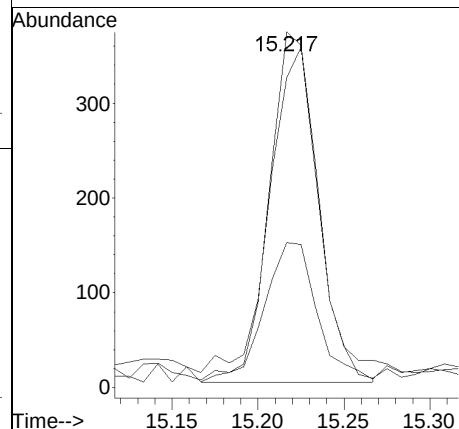
Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.5	75.4	113.0
82	22.0	17.4	26.0





#57
 tetrachloroethene
 Concen: 0.05 ppbV
 RT: 15.217 min Scan# 1783
 Delta R.T. 0.042 min
 Lab File: r1747493_Ev2.D
 Acq: 7 Mar 2025 12:04 AM

Tgt Ion:	166	Resp:	723
Ion Ratio	Lower	Upper	
166	100		
131	87.2	70.9	106.3
94	40.8	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747493_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/7/2025 12:04 AM	Instrument	:
Sample	: L2509499-07,3,250,250	Quant Date	: 3/7/2025 7:59 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747494_Ev2.D
 Acq On : 7 Mar 2025 12:42 AM
 Operator : AIRLAB17:TPH
 Sample : L2509499-08,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:59:13 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.858	49	147630	10.000	ppbV	0.04
Standard Area = 157683			Recovery =		93.62%	
33) 1,4-difluorobenzene	11.077	114	407753	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		88.56%	
51) chlorobenzene-D5	15.825	54	59434	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		92.26%	

System Monitoring Compounds

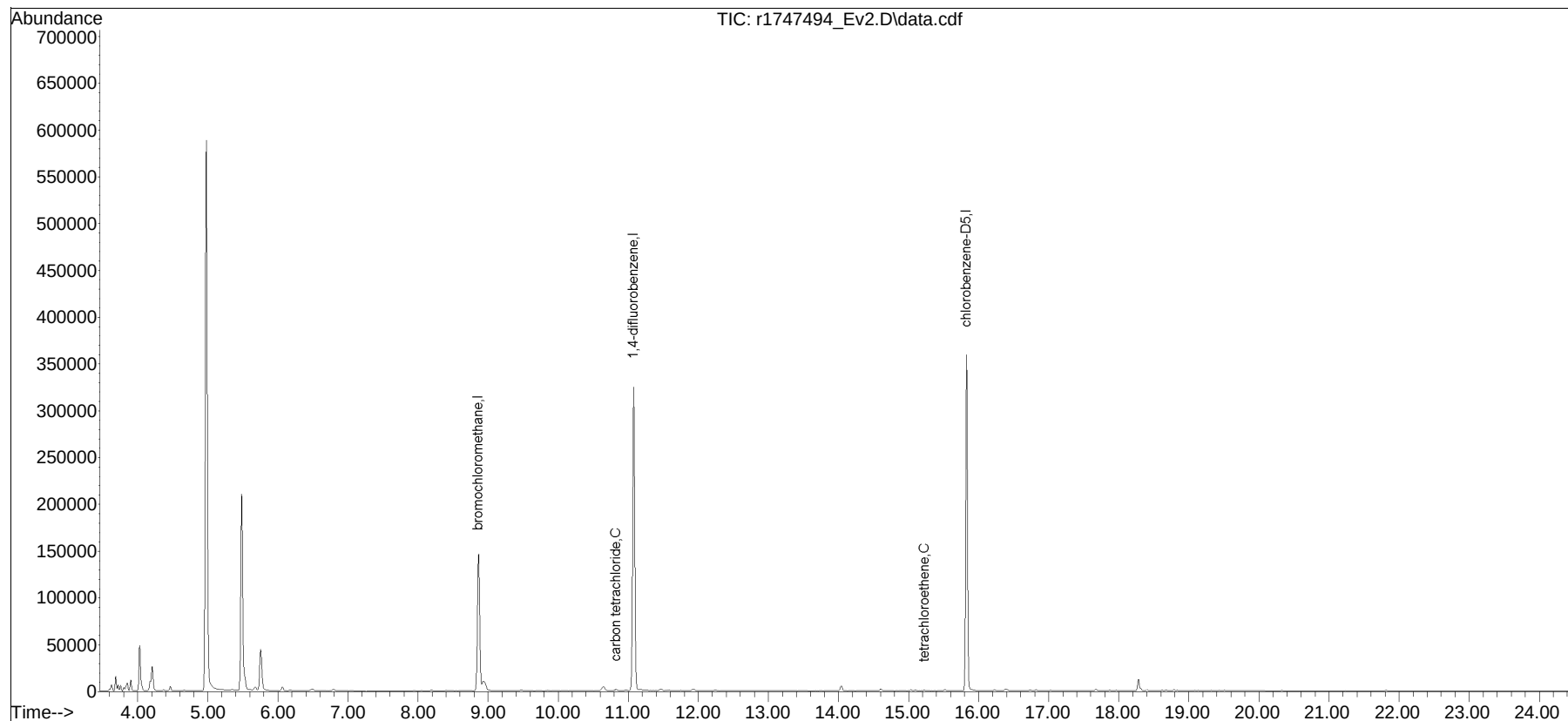
Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	6.306		0	N.D.	
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.823	117	1276	0.111 ppbV	96
44) trichloroethene	11.797		0	N.D.	
57) tetrachloroethene	15.225	166	524	0.034 ppbV	95

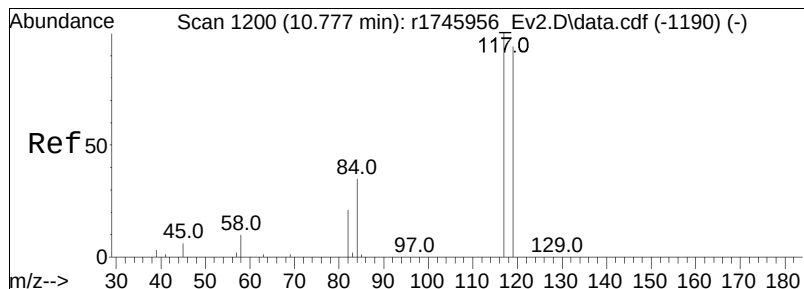
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747494_Ev2.D
Acq On : 7 Mar 2025 12:42 AM
Operator : AIRLAB17:TPH
Sample : L2509499-08,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

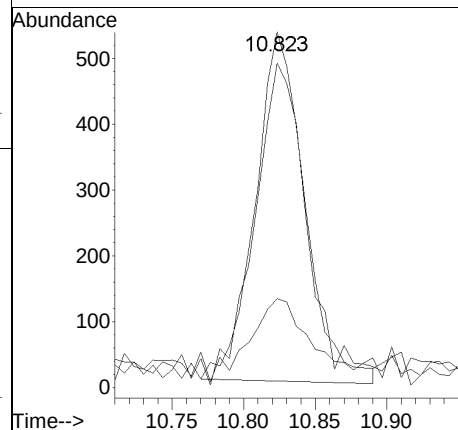
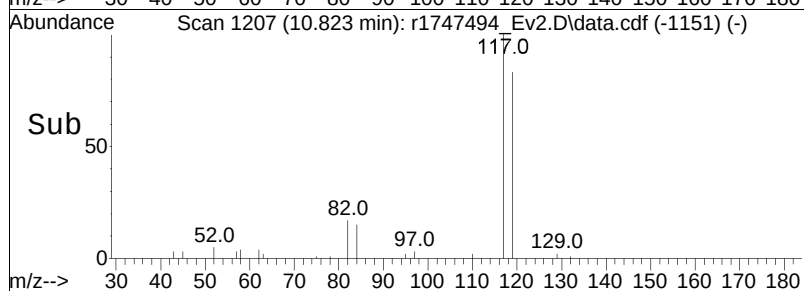
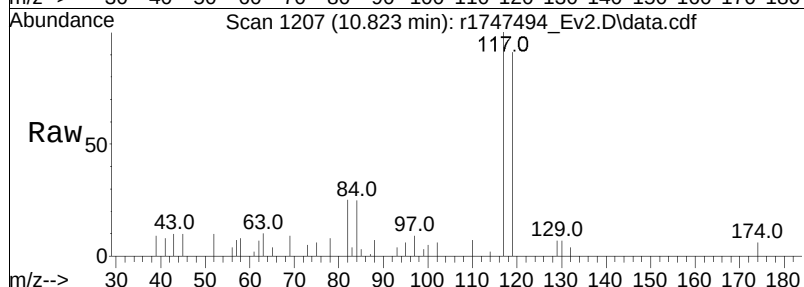
Quant Time: Mar 07 07:59:13 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

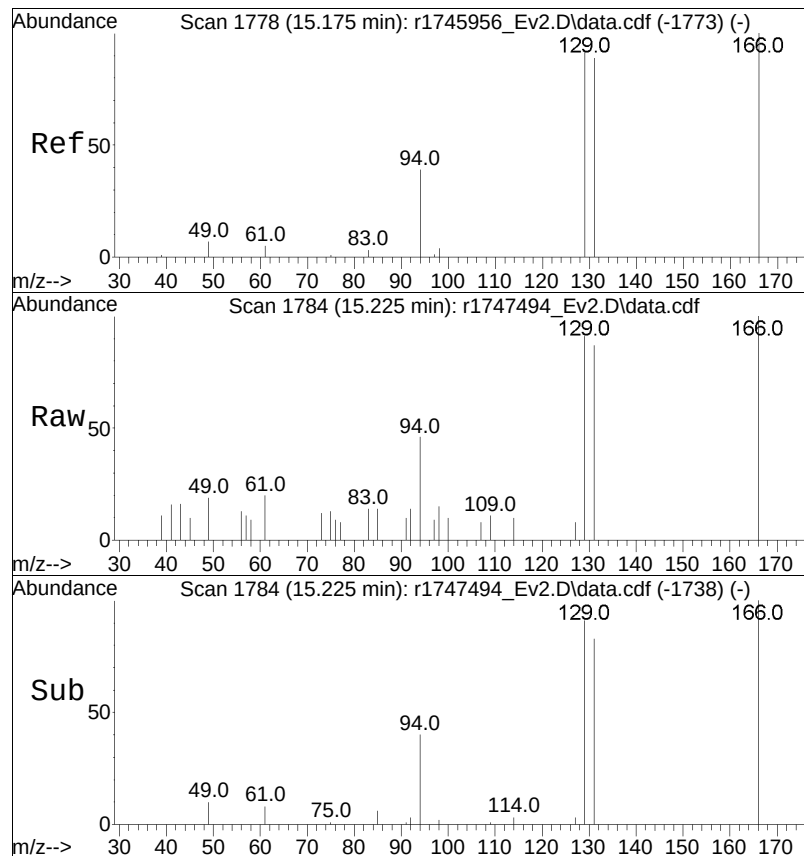




#38
 carbon tetrachloride
 Concen: 0.11 ppbV
 RT: 10.823 min Scan# 1207
 Delta R.T. 0.046 min
 Lab File: r1747494_Ev2.D
 Acq: 7 Mar 2025 12:42 AM

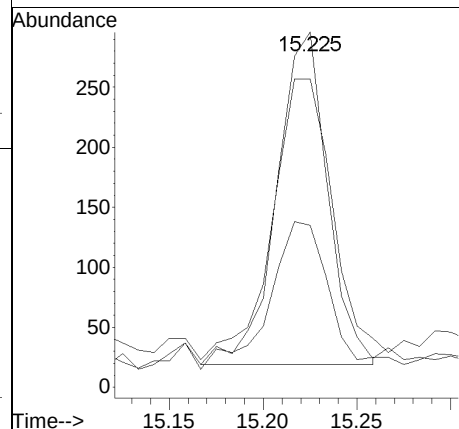
Tgt Ion:117 Resp: 1276
 Ion Ratio Lower Upper
 117 100
 119 91.3 75.4 113.0
 82 25.0 17.4 26.0





#57
 tetrachloroethene
 Concen: 0.03 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747494_Ev2.D
 Acq: 7 Mar 2025 12:42 AM

Tgt Ion:	166	Resp:	524
Ion Ratio	Lower	Upper	
166	100		
131	86.8	70.9	106.3
94	45.6	31.1	46.7



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747494_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/7/2025 12:42 AM	Instrument	:
Sample	: L2509499-08,3,250,250	Quant Date	: 3/7/2025 7:59 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Calibration dates : 12/21/24 01:51 12/21/24 07:33

Lab Number : L2509499
 Project Number : 195601412
 Ical Ref : ICAL21813

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
 1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
1) I bromochloromethane	-----ISTD-----											
2) propylene					0.547	0.548	0.407	0.400	0.472	0.385	0.460	16.15
3) dichlorodifluoromethane				1.183	1.239	1.243	0.964	0.962	1.096	0.943	1.090	12.32
4) C chloromethane				0.613	0.637	0.639	0.494	0.493	0.546	0.476	0.557	12.91
5) Freon-114		1.707	1.721	1.403	1.502	1.523	1.160	1.146	1.266	1.066	1.388	17.53
6) C vinyl chloride	0.710	0.670	0.642	0.532	0.581	0.588	0.451	0.451	0.531	0.476	0.563	16.21
7) C 1,3-butadiene	0.668	0.602	0.583	0.468	0.499	0.508	0.385	0.387	0.478	0.408	0.498	19.08
8) C bromomethane	0.628	0.575	0.622	0.500	0.531	0.531	0.407	0.405	0.485	0.417	0.510	16.33
9) C chloroethane		0.380	0.326	0.261	0.274	0.275	0.209	0.207	0.255	0.221	0.268	21.14
10) ethanol						0.475	0.384	0.353	0.421	0.320	0.391	15.40
11) C vinyl bromide		0.607	0.637	0.555	0.571	0.567	0.431	0.427	0.536	0.511	0.538	13.36
12) C acrolein		0.316	0.330	0.240	0.235	0.265	0.192	0.204	0.255	0.238	0.253	18.19
13) acetone				0.939	0.962	0.968	0.706	0.698	0.824	0.640	0.820	16.98
14) trichlorofluoromethane		1.334	1.266	1.057	1.166	1.183	0.907	0.904	1.095	0.865	1.086	15.42
15) isopropyl alcohol				1.007	1.064	1.064	0.967	0.986	1.076	0.904	1.010	6.22
16) C acrylonitrile				0.419	0.465	0.474	0.366	0.372	0.472	0.475	0.435	11.34
17) C 1,1-dichloroethene	0.993	0.928	0.925	0.794	0.819	0.841	0.647	0.646	0.786	0.654	0.803	15.52
18) tertiary butyl alcohol					0.801	0.843	0.691	0.688	0.909	0.813	0.791	10.96
19) C methylene chloride					0.806	0.800	0.602	0.601	0.752	0.702	0.710	13.01
20) C 3-chloropropene		0.943	0.986	0.816	0.875	0.898	0.679	0.689	0.869	0.708	0.829	13.68
21) C carbon disulfide				1.727	1.844	1.896	1.453	1.479	1.907	1.640	1.707	11.11
22) Freon 113		1.476	1.430	1.216	1.280	1.295	0.996	0.991	1.211	0.985	1.209	15.34
23) trans-1,2-dichloroethene	1.030	0.930	0.919	0.797	0.848	0.860	0.650	0.649	0.811	0.677	0.817	15.70
24) C 1,1-dichloroethane	1.250	1.226	1.202	0.992	1.060	1.090	0.842	0.840	1.027	0.839	1.037	15.41
25) C MTBE	1.581	1.647	1.625	1.297	1.396	1.434	1.093	1.107	1.425	1.235	1.384	14.48
26) C vinyl acetate					1.263	1.329	1.022	1.090	1.393	1.178	1.213	11.74
27) C 2-butanone					1.453	1.521	1.138	1.161	1.458	1.205	1.323	13.04
28) cis-1,2-dichloroethene	0.905	0.880	0.881	0.754	0.784	0.819	0.627	0.629	0.767	0.639	0.768	13.93
29) Ethyl Acetate					0.188	0.207	0.160	0.163	0.202	0.175	0.182	10.82
30) C chloroform	1.324	1.251	1.256	1.066	1.113	1.142	0.875	0.877	1.087	0.968	1.096	14.22
31) Tetrahydrofuran					0.824	0.866	0.665	0.685	0.864	0.714	0.770	11.94
32) C 1,2-dichloroethane	0.836	0.701	0.752	0.677	0.663	0.675	0.510	0.509	0.617	0.491	0.643	17.55
33) I 1,4-difluorobenzene	-----ISTD-----											
34) C hexane				0.303	0.322	0.332	0.250	0.250	0.322	0.308	0.298	11.49
35) s 1,2-dichloroethane-D4				0.220	0.219	0.221	0.222	0.216	0.220	0.184	0.215	6.34
36) C 1,1,1-trichloroethane	0.359	0.359	0.362	0.292	0.315	0.325	0.255	0.260	0.329	0.284	0.314	12.78



Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Calibration dates : 12/21/24 01:51 12/21/24 07:33

Lab Number : L2509499
 Project Number : 195601412
 Ical Ref : ICAL21813

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
 1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
37) C benzene	0.859	0.822	0.701	0.711	0.738	0.571	0.577	0.732	0.706	0.713	13.40	
38) C carbon tetrachloride	0.318	0.303	0.312	0.240	0.268	0.284	0.233	0.242	0.320	0.296	0.281	11.99
39) cyclohexane			0.329	0.346	0.353	0.262	0.266	0.345	0.338	0.320	12.16	
40) Dibromomethane	0.262	0.266	0.231	0.238	0.243	0.184	0.186	0.231	0.201	0.227	13.32	
41) C 1,2-dichloropropane	0.357	0.280	0.291	0.242	0.257	0.263	0.199	0.202	0.250	0.218	0.256	18.38
42) bromodichloromethane	0.374	0.348	0.380	0.318	0.339	0.361	0.283	0.292	0.388	0.372	0.345	10.73
43) C 1,4-dioxane		0.145	0.142	0.144	0.141	0.116	0.118	0.163	0.152	0.140	11.33	
44) C trichloroethene	0.422	0.414	0.410	0.365	0.373	0.383	0.282	0.281	0.347	0.308	0.358	14.74
45) C 2,2,4-trimethylpentane			1.002	1.065	1.081	0.808	0.809	1.034	0.978	0.968	11.83	
46) heptane			0.471	0.504	0.519	0.390	0.393	0.500	0.428	0.458	11.79	
47) C cis-1,3-dichloropropene	0.299	0.334	0.323	0.278	0.302	0.321	0.263	0.277	0.368	0.352	0.312	10.95
48) C 4-methyl-2-pentanone				0.573	0.600	0.462	0.471	0.614	0.527	0.541	12.02	
49) trans-1,3-dichloropropene	0.230	0.204	0.225	0.191	0.210	0.226	0.190	0.204	0.276	0.267	0.222	13.27
50) C 1,1,2-trichloroethane	0.360	0.323	0.342	0.288	0.307	0.314	0.240	0.244	0.302	0.262	0.298	13.44
51) I chlorobenzene-D5	-----ISTD-----											
52) C toluene		7.728	6.270	6.673	6.845	5.328	5.343	6.483	5.784	6.307	12.90	
53) s toluene-D8		6.340	6.286	6.376	6.492	6.351	6.541	5.915	6.329	3.21		
54) 2-hexanone		3.584	3.976	4.237	3.385	3.498	4.465	3.801	3.849	10.38		
55) dibromochloromethane	2.811	2.629	2.789	2.340	2.682	2.874	2.362	2.491	3.266	2.971	2.721	10.48
56) C 1,2-dibromoethane	3.696	3.405	3.478	3.014	3.297	3.446	2.692	2.753	3.476	3.101	3.236	10.31
57) C tetrachloroethene	3.111	2.979	3.021	2.446	2.639	2.715	2.082	2.097	2.584	2.297	2.597	14.26
58) 1,1,1,2-tetrachloroethane	2.503	2.473	2.347	1.993	2.206	2.374	1.919	2.001	2.564	2.262	2.264	10.15
59) C chlorobenzene	6.276	6.227	6.297	5.337	5.726	5.891	4.497	4.580	5.823	5.265	5.592	11.81
60) C ethylbenzene	9.718	9.231	9.288	7.845	8.506	8.847	6.890	6.921	8.444	7.338	8.303	12.20
61) C m+p-xylene	7.719	7.176	7.329	6.262	6.805	7.042	5.495	5.503	6.612	5.760	6.570	11.99
62) C bromoform	1.887	1.811	1.708	1.504	1.730	1.907	1.666	1.805	2.482	2.315	1.881	15.87
63) C styrene	5.837	5.228	5.332	4.668	5.142	5.507	4.442	4.591	5.897	5.227	5.187	9.60
64) C 1,1,2,2-tetrachloroethane	5.344	4.891	5.055	4.243	4.634	4.898	3.914	4.011	5.054	4.663	4.671	10.19
65) C o-xylene	7.916	7.306	7.465	6.324	6.848	7.114	5.556	5.537	6.584	5.704	6.635	12.70
66) 1,2,3-Trichloropropane	3.919	3.702	3.828	3.287	3.512	3.667	2.816	2.925	3.817	3.584	3.506	10.86
67) s bromofluorobenzene		4.437	4.430	4.500	4.580	4.479	4.508	4.170	4.443	2.94		
68) C isopropylbenzene		7.947	8.674	8.992	6.951	7.160	9.048	7.913	8.098	10.44		
69) Bromobenzene	5.382	4.652	4.775	4.263	4.629	4.832	3.666	3.749	4.829	4.524	4.530	11.44
70) 4-ethyl toluene	1.035	0.883	0.906	0.804	0.882	0.929	0.717	0.745	0.960	0.841	0.870	11.15
71) 1,3,5-trimethylbenzene	8.339	7.680	7.897	6.783	7.443	7.882	6.218	6.355	7.955	6.957	7.351	9.93
72) tert-butylbenzene		7.538	8.232	8.624	6.513	6.530	8.038	7.106	7.512	11.09		



Initial Calibration Summary

Form 6

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Calibration dates : 12/21/24 01:51 12/21/24 07:33

Lab Number : L2509499
 Project Number : 195601412
 Ical Ref : ICAL21813

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
 1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

	Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
73)	1,2,4-trimethylbenzene	8.301	7.518	7.807	6.681	7.513	7.963	6.300	6.519	8.017	6.769	7.339	9.70
74) C	Benzyl Chloride			2.071	1.803	2.208	2.706	2.578	3.140	4.543	4.566	2.952	36.28
75)	1,3-dichlorobenzene	5.113	4.815	4.930	4.468	5.007	5.319	4.083	4.305	5.335	4.703	4.808	8.75
76) C	1,4-dichlorobenzene	4.689	4.557	4.861	4.318	4.918	5.278	4.113	4.216	5.184	4.676	4.681	8.38
77)	sec-butylbenzene				1.000	1.109	1.170	0.898	0.928	1.150	0.987	1.035	10.47
78)	p-isopropyltoluene				0.920	1.000	1.069	0.780	0.797	0.947	0.830	0.906	11.99
79)	1,2-dichlorobenzene	5.382	4.864	5.015	4.351	4.844	5.132	3.872	4.106	4.962	4.367	4.690	10.39
80)	n-butylbenzene				7.252	8.268	8.887	6.820	6.770	8.065	7.309	7.624	10.46
81)	1,2-dibromo-3-chloropr...	1.425	1.042	1.224	1.043	1.271	1.464	1.316	1.468	1.936	1.826	1.402	21.12
82) C	1,2,4-trichlorobenzene		2.470	2.436	2.177	2.655	3.146	2.557	2.888	3.495	3.429	2.806	16.50
83)	naphthalene		7.027	7.361	6.459	7.973	9.601	7.937	8.544	9.856	9.434	8.244	14.58
84)	1,2,3-trichlorobenzene		2.219	2.213	2.039	2.463	2.946	2.355	2.611	2.998	3.015	2.540	14.65
85) C	hexachlorobutadiene		2.951	2.920	2.610	3.001	3.193	2.384	2.413	2.773	2.665	2.768	9.90



Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Method File : TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024
Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

Compound		0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
-----ISTD-----													
1) I	bromochloromethane												
2)	propylene					0.547	0.548	0.407	0.400	0.472	0.385	0.460	16.15
3)	dichlorodifluo...				1.183	1.239	1.243	0.964	0.962	1.096	0.943	1.090	12.32
4) C	chloromethane				0.613	0.637	0.639	0.494	0.493	0.546	0.476	0.557	12.91
5)	Freon-114		1.707	1.721	1.403	1.502	1.523	1.160	1.146	1.266	1.066	1.388	17.53
6) C	vinyl chloride	0.710	0.670	0.642	0.532	0.581	0.588	0.451	0.451	0.531	0.476	0.563	16.21
7) C	1,3-butadiene	0.668	0.602	0.583	0.468	0.499	0.508	0.385	0.387	0.478	0.408	0.498	19.08
8) C	bromomethane	0.628	0.575	0.622	0.500	0.531	0.531	0.407	0.405	0.485	0.417	0.510	16.33
9) C	chloroethane		0.380	0.326	0.261	0.274	0.275	0.209	0.207	0.255	0.221	0.268	21.14
10)	ethanol						0.475	0.384	0.353	0.421	0.320	0.391	15.40
11) C	vinyl bromide		0.607	0.637	0.555	0.571	0.567	0.431	0.427	0.536	0.511	0.538	13.36
12) C	acrolein		0.316	0.330	0.240	0.235	0.265	0.192	0.204	0.255	0.238	0.253	18.19
13)	acetone				0.939	0.962	0.968	0.706	0.698	0.824	0.640	0.820	16.98
14)	trichlorofluor...		1.334	1.266	1.057	1.166	1.183	0.907	0.904	1.095	0.865	1.086	15.42
15)	isopropyl alcohol				1.007	1.064	1.064	0.967	0.986	1.076	0.904	1.010	6.22
16) C	acrylonitrile				0.419	0.465	0.474	0.366	0.372	0.472	0.475	0.435	11.34

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Method File : TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024
Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

	Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
17) C	1,1-dichloroet...	0.993	0.928	0.925	0.794	0.819	0.841	0.647	0.646	0.786	0.654	0.803	15.52
18)	tertiary butyl...					0.801	0.843	0.691	0.688	0.909	0.813	0.791	10.96
19) C	methylene chlo...					0.806	0.800	0.602	0.601	0.752	0.702	0.710	13.01
20) C	3-chloropropene		0.943	0.986	0.816	0.875	0.898	0.679	0.689	0.869	0.708	0.829	13.68
21) C	carbon disulfide				1.727	1.844	1.896	1.453	1.479	1.907	1.640	1.707	11.11
22)	Freon 113		1.476	1.430	1.216	1.280	1.295	0.996	0.991	1.211	0.985	1.209	15.34
23)	trans-1,2-dich...	1.030	0.930	0.919	0.797	0.848	0.860	0.650	0.649	0.811	0.677	0.817	15.70
24) C	1,1-dichloroet...	1.250	1.226	1.202	0.992	1.060	1.090	0.842	0.840	1.027	0.839	1.037	15.41
25) C	MTBE	1.581	1.647	1.625	1.297	1.396	1.434	1.093	1.107	1.425	1.235	1.384	14.48
26) C	vinyl acetate					1.263	1.329	1.022	1.090	1.393	1.178	1.213	11.74
27) C	2-butanone					1.453	1.521	1.138	1.161	1.458	1.205	1.323	13.04
28)	cis-1,2-dichlo...	0.905	0.880	0.881	0.754	0.784	0.819	0.627	0.629	0.767	0.639	0.768	13.93
29)	Ethyl Acetate					0.188	0.207	0.160	0.163	0.202	0.175	0.182	10.82
30) C	chloroform	1.324	1.251	1.256	1.066	1.113	1.142	0.875	0.877	1.087	0.968	1.096	14.22
31)	Tetrahydrofuran					0.824	0.866	0.665	0.685	0.864	0.714	0.770	11.94
32) C	1,2-dichloroet...	0.836	0.701	0.752	0.677	0.663	0.675	0.510	0.509	0.617	0.491	0.643	17.55

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Method File : TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024
Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

	Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
33) I	1,4-difluorobenzene	-----ISTD-----											
34) C	hexane				0.303	0.322	0.332	0.250	0.250	0.322	0.308	0.298	11.49
35) s	1,2-dichloroet...				0.220	0.219	0.221	0.222	0.216	0.220	0.184	0.215	6.34
36) C	1,1,1-trichlor...	0.359	0.359	0.362	0.292	0.315	0.325	0.255	0.260	0.329	0.284	0.314	12.78
37) C	benzene		0.859	0.822	0.701	0.711	0.738	0.571	0.577	0.732	0.706	0.713	13.40
38) C	carbon tetrach...	0.318	0.303	0.312	0.240	0.268	0.284	0.233	0.242	0.320	0.296	0.281	11.99
39)	cyclohexane				0.329	0.346	0.353	0.262	0.266	0.345	0.338	0.320	12.16
40)	Dibromomethane		0.262	0.266	0.231	0.238	0.243	0.184	0.186	0.231	0.201	0.227	13.32
41) C	1,2-dichloropr...	0.357	0.280	0.291	0.242	0.257	0.263	0.199	0.202	0.250	0.218	0.256	18.38
42)	bromodichlorom...	0.374	0.348	0.380	0.318	0.339	0.361	0.283	0.292	0.388	0.372	0.345	10.73
43) C	1,4-dioxane			0.145	0.142	0.144	0.141	0.116	0.118	0.163	0.152	0.140	11.33
44) C	trichloroethene	0.422	0.414	0.410	0.365	0.373	0.383	0.282	0.281	0.347	0.308	0.358	14.74
45) C	2,2,4-trimethy...				1.002	1.065	1.081	0.808	0.809	1.034	0.978	0.968	11.83
46)	heptane				0.471	0.504	0.519	0.390	0.393	0.500	0.428	0.458	11.79
47) C	cis-1,3-dichlo...	0.299	0.334	0.323	0.278	0.302	0.321	0.263	0.277	0.368	0.352	0.312	10.95
48) C	4-methyl-2-pen...					0.573	0.600	0.462	0.471	0.614	0.527	0.541	12.02

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Method File : TSIM17_241220.M
 Title : T0-14A/T0-15 SIM/Full Scan Analysis
 Last Update : Mon Dec 23 14:33:59 2024
 Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
 1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

Compound		0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
49)	trans-1,3-dich...	0.230	0.204	0.225	0.191	0.210	0.226	0.190	0.204	0.276	0.267	0.222	13.27
50) C	1,1,2-trichlor...	0.360	0.323	0.342	0.288	0.307	0.314	0.240	0.244	0.302	0.262	0.298	13.44
51) I	chlorobenzene-D5	-----ISTD-----											
52) C	toluene			7.728	6.270	6.673	6.845	5.328	5.343	6.483	5.784	6.307	12.90
53) s	toluene-D8				6.340	6.286	6.376	6.492	6.351	6.541	5.915	6.329	3.21
54)	2-hexanone				3.584	3.976	4.237	3.385	3.498	4.465	3.801	3.849	10.38
55)	dibromochlorom...	2.811	2.629	2.789	2.340	2.682	2.874	2.362	2.491	3.266	2.971	2.721	10.48
56) C	1,2-dibromoethane	3.696	3.405	3.478	3.014	3.297	3.446	2.692	2.753	3.476	3.101	3.236	10.31
57) C	tetrachloroethene	3.111	2.979	3.021	2.446	2.639	2.715	2.082	2.097	2.584	2.297	2.597	14.26
58)	1,1,1,2-tetrac...	2.503	2.473	2.347	1.993	2.206	2.374	1.919	2.001	2.564	2.262	2.264	10.15
59) C	chlorobenzene	6.276	6.227	6.297	5.337	5.726	5.891	4.497	4.580	5.823	5.265	5.592	11.81
60) C	ethylbenzene	9.718	9.231	9.288	7.845	8.506	8.847	6.890	6.921	8.444	7.338	8.303	12.20
61) C	m+p-xylene	7.719	7.176	7.329	6.262	6.805	7.042	5.495	5.503	6.612	5.760	6.570	11.99
62) C	bromoform	1.887	1.811	1.708	1.504	1.730	1.907	1.666	1.805	2.482	2.315	1.881	15.87
63) C	styrene	5.837	5.228	5.332	4.668	5.142	5.507	4.442	4.591	5.897	5.227	5.187	9.60
64) C	1,1,2,2-tetrac...	5.344	4.891	5.055	4.243	4.634	4.898	3.914	4.011	5.054	4.663	4.671	10.19

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Method File : TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024
Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

	Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
65) C	o-xylene	7.916	7.306	7.465	6.324	6.848	7.114	5.556	5.537	6.584	5.704	6.635	12.70
66)	1,2,3-Trichlor...	3.919	3.702	3.828	3.287	3.512	3.667	2.816	2.925	3.817	3.584	3.506	10.86
67) s	bromofluoroben...				4.437	4.430	4.500	4.580	4.479	4.508	4.170	4.443	2.94
68) C	isopropylbenzene				7.947	8.674	8.992	6.951	7.160	9.048	7.913	8.098	10.44
69)	Bromobenzene	5.382	4.652	4.775	4.263	4.629	4.832	3.666	3.749	4.829	4.524	4.530	11.44
70)	4-ethyl toluene	1.035	0.883	0.906	0.804	0.882	0.929	0.717	0.745	0.960	0.841	0.870	11.15
71)	1,3,5-trimethy...	8.339	7.680	7.897	6.783	7.443	7.882	6.218	6.355	7.955	6.957	7.351	9.93
72)	tert-butylbenzene				7.538	8.232	8.624	6.513	6.530	8.038	7.106	7.512	11.09
73)	1,2,4-trimethy...	8.301	7.518	7.807	6.681	7.513	7.963	6.300	6.519	8.017	6.769	7.339	9.70
74) C	Benzyl Chloride			2.071	1.803	2.208	2.706	2.578	3.140	4.543	4.566	2.952	36.28
# 75)	1,3-dichlorobe...	5.113	4.815	4.930	4.468	5.007	5.319	4.083	4.305	5.335	4.703	4.808	8.75
76) C	1,4-dichlorobe...	4.689	4.557	4.861	4.318	4.918	5.278	4.113	4.216	5.184	4.676	4.681	8.38
77)	sec-butylbenzene				1.000	1.109	1.170	0.898	0.928	1.150	0.987	1.035	10.47
78)	p-isopropyltol...				0.920	1.000	1.069	0.780	0.797	0.947	0.830	0.906	11.99
79)	1,2-dichlorobe...	5.382	4.864	5.015	4.351	4.844	5.132	3.872	4.106	4.962	4.367	4.690	10.39
80)	n-butylbenzene				7.252	8.268	8.887	6.820	6.770	8.065	7.309	7.624	10.46

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Method File : TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024
Response Via : Initial Calibration

Calibration Files

0.02=r1745950_Ev2.D 0.05=r1745951_Ev2.D 0.1 =r1745952_Ev2.D 0.2 =r1745953_Ev2.D 0.5 =r1745954_Ev2.D
1.0 =r1745955_Ev2.D 5.0 =r1745956_Ev2.D 10.0=r1745957_Ev2.D 20.0=r1745958_Ev2.D 50.0=r1745959_Ev2.D

	Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)	1,2-dibromo-3-...	1.425	1.042	1.224	1.043	1.271	1.464	1.316	1.468	1.936	1.826	1.402	21.12
82) C	1,2,4-trichlor...		2.470	2.436	2.177	2.655	3.146	2.557	2.888	3.495	3.429	2.806	16.50
83)	naphthalene		7.027	7.361	6.459	7.973	9.601	7.937	8.544	9.856	9.434	8.244	14.58
84)	1,2,3-trichlor...		2.219	2.213	2.039	2.463	2.946	2.355	2.611	2.998	3.015	2.540	14.65
85) C	hexachlorobuta...		2.951	2.920	2.610	3.001	3.193	2.384	2.413	2.773	2.665	2.768	9.90

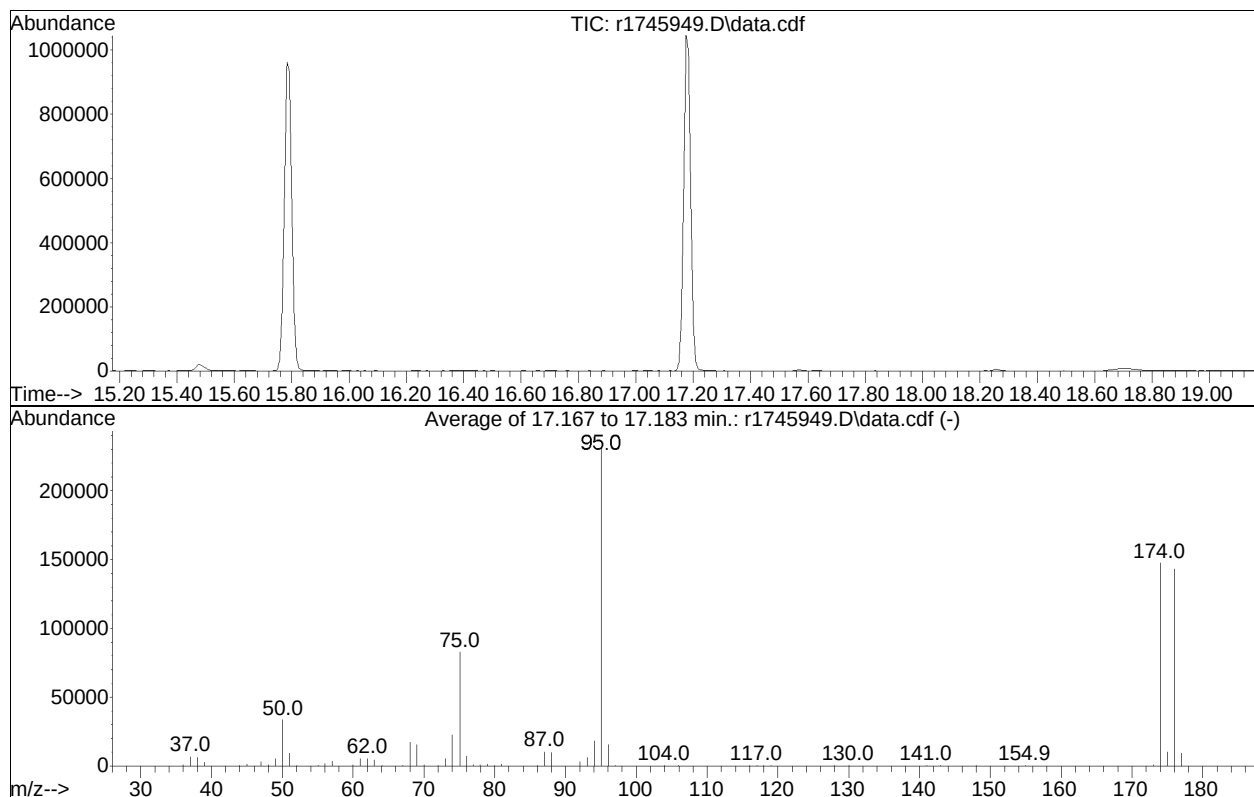
(#) = Out of Range

BFB

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745949.D
Acq On : 20 Dec 2024 7:59 PM
Operator : AIRLAB17:BJB
Sample : WG2012831-1,3,250,250
Misc : WG2012831
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2024\12\1220T_I\TFS17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 13:55:18 2024



Spectrum Information: Average of 17.167 to 17.183 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	33633	PASS
75	95	30	66	35.8	83129	PASS
95	95	100	100	100.0	232041	PASS
96	95	5	9	6.7	15616	PASS
173	174	0.00	2	0.6	882	PASS
174	95	50	120	63.7	147775	PASS
175	174	4	9	7.1	10463	PASS
176	174	93	101	96.8	143078	PASS
177	176	5	9	6.5	9367	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745950_Ev2.D
 Acq On : 21 Dec 2024 1:51 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.02
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:09 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:09 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	175232	10.000	ppbV	0.00
Standard Area = 179491			Recovery =		97.63%	
33) 1,4-difluorobenzene	11.030	114	514780	10.000	ppbV	0.00
Standard Area = 530722			Recovery =		97.00%	
51) chlorobenzene-D5	15.792	54	64933	10.000	ppbV	0.00
Standard Area = 67250			Recovery =		96.55%	
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.00%#	
53) toluene-D8	13.883	98	408M4	0.010	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.10%#	
67) bromofluorobenzene	17.183	95	936M4	0.032	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.32%#	
Target Compounds						
					Qvalue	
2) propylene	3.802	41	342M6	0.038	ppbV	
3) dichlorodifluoromethane	3.874	85	540	0.028	ppbV	97
4) chloromethane	4.024	50	288M6	0.030	ppbV	
5) Freon-114	4.126	85	630	0.026	ppbV	95
6) vinyl chloride	4.246	62	249	0.025	ppbV #	77
7) 1,3-butadiene	4.378	54	234	0.027	ppbV #	45
8) bromomethane	4.648	94	220	0.025	ppbV	92
9) chloroethane	4.828	64	124	0.026	ppbV	99
10) ethanol	4.948	31	1374	0.201	ppbV #	73
11) vinyl bromide	5.187	106	227M4	0.024	ppbV	
12) acrolein	5.313	56	120M2	0.026	ppbV	
13) acetone	5.467	43	2915	0.203	ppbV #	97
14) trichlorofluoromethane	5.633	101	461M4	0.024	ppbV	
15) isopropyl alcohol	5.733	45	1917	0.108	ppbV #	95
16) acrylonitrile	5.950	53	156M4	0.020	ppbV	
17) 1,1-dichloroethene	6.312	61	348	0.025	ppbV	95
18) tertiary butyl alcohol	6.384	59	349	0.025	ppbV #	88
19) methylene chloride	6.444	49	705	0.057	ppbV	97
20) 3-chloropropene	6.570	41	378	0.026	ppbV #	77
21) carbon disulfide	6.744	76	918	0.031	ppbV #	1
22) Freon 113	6.750	101	505M4	0.024	ppbV	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745950_Ev2.D
 Acq On : 21 Dec 2024 1:51 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.02
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:09 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:09 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) trans-1,2-dichloroethene	7.475	61	361	0.025	ppbV	95
24) 1,1-dichloroethane	7.692	63	438	0.024	ppbV	90
25) MTBE	7.800	73	554	0.023	ppbV #	77
26) vinyl acetate	7.883	43	538M4	0.025	ppbV	
27) 2-butanone	8.158	43	658	0.028	ppbV #	97
28) cis-1,2-dichloroethene	8.633	61	317M4	0.023	ppbV	
29) Ethyl Acetate	8.925	61	66	0.021	ppbV #	30
30) chloroform	8.967	83	464	0.024	ppbV #	92
31) Tetrahydrofuran	9.442	42	339	0.025	ppbV #	87
32) 1,2-dichloroethane	9.792	62	293	0.026	ppbV #	85
34) hexane	8.883	57	409	0.027	ppbV #	7
36) 1,1,1-trichloroethane	10.083	97	370M4	0.023	ppbV	
37) benzene	10.603	78	946	0.026	ppbV #	80
38) carbon tetrachloride	10.777	117	327	0.023	ppbV #	92
39) cyclohexane	10.917	56	415M4	0.025	ppbV	
40) Dibromomethane	11.503	93	352	0.030	ppbV #	60
41) 1,2-dichloropropane	11.543	63	368	0.028	ppbV #	79
42) bromodichloromethane	11.763	83	385	0.022	ppbV #	80
43) 1,4-dioxane	11.843	88	177M4	0.024	ppbV	
44) trichloroethene	11.823	130	434	0.023	ppbV	89
45) 2,2,4-trimethylpentane	11.883	57	1349M4	0.027	ppbV	
46) heptane	12.203	43	664	0.028	ppbV #	89
47) cis-1,3-dichloropropene	12.833	75	308	0.019	ppbV #	69
48) 4-methyl-2-pentanone	12.925	43	670	0.024	ppbV #	97
49) trans-1,3-dichloropropene	13.467	75	237	0.021	ppbV #	56
50) 1,1,2-trichloroethane	13.658	97	371	0.024	ppbV	93
52) toluene	13.992	91	1105	0.027	ppbV	94
54) 2-hexanone	14.333	43	541	0.022	ppbV #	94
55) dibromochloromethane	14.450	129	365	0.021	ppbV #	89
56) 1,2-dibromoethane	14.708	107	480M4	0.022	ppbV	
57) tetrachloroethene	15.183	166	404M4	0.024	ppbV	
58) 1,1,1,2-tetrachloroethane	15.817	131	325	0.022	ppbV #	94
59) chlorobenzene	15.833	112	815	0.022	ppbV	93
60) ethylbenzene	16.192	91	1262	0.023	ppbV	96
61) m+p-xylene	16.350	91	2005	0.047	ppbV	96
62) bromoform	16.417	173	245M4	0.020	ppbV	
63) styrene	16.683	104	758	0.023	ppbV	94
64) 1,1,2,2-tetrachloroethane	16.783	83	694M4	0.023	ppbV	
65) o-xylene	16.783	91	1028	0.024	ppbV	98
66) 1,2,3-Trichloropropane	16.900	75	509	0.022	ppbV #	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745950_Ev2.D
 Acq On : 21 Dec 2024 1:51 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.02
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:09 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:09 2024
 Response via : Initial Calibration

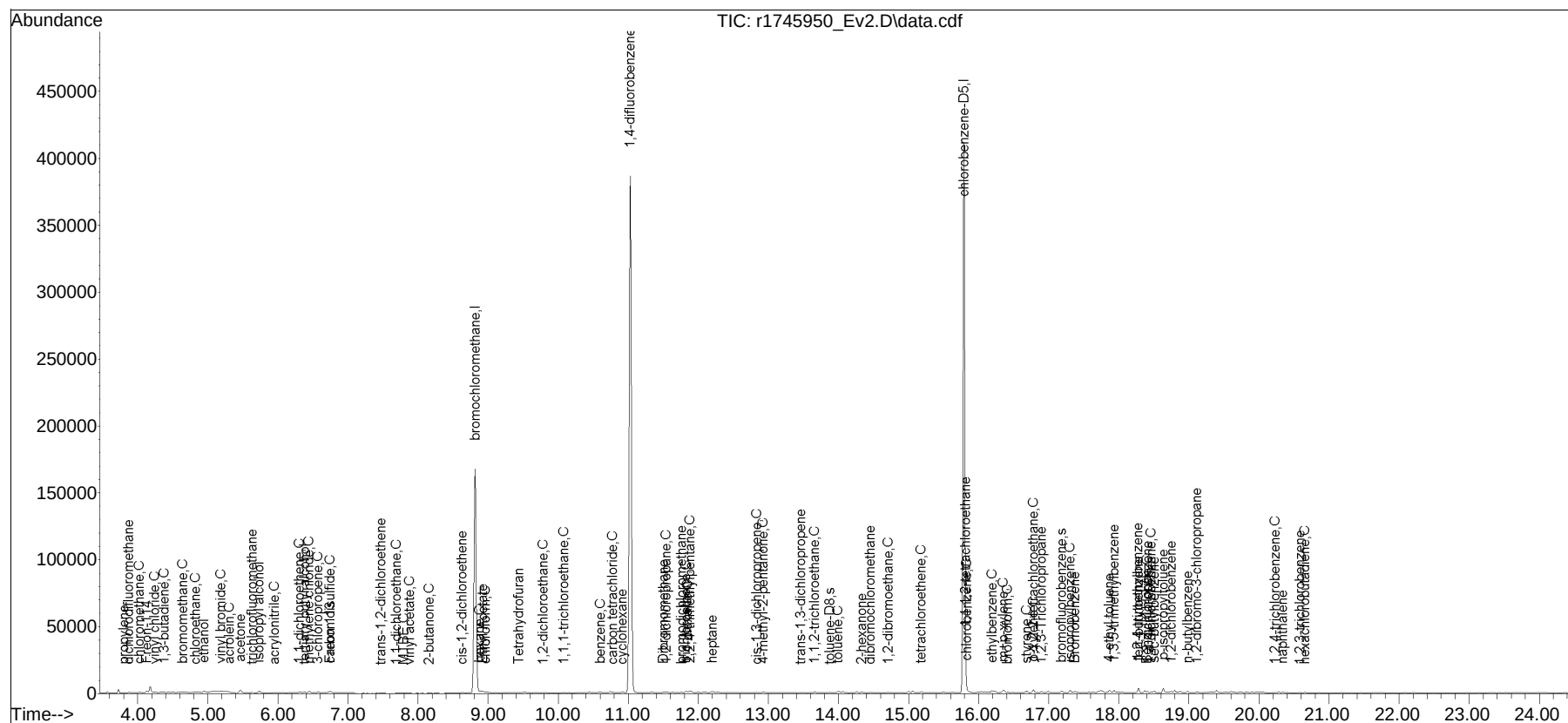
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) isopropylbenzene	17.308	105	1267	0.024	ppbV	97
69) Bromobenzene	17.375	77	699	0.024	ppbV	100
70) 4-ethyl toluene	17.867	105	1344	0.024	ppbV #	93
71) 1,3,5-trimethylbenzene	17.933	105	1083	0.023	ppbV #	92
72) tert-butylbenzene	18.283	119	1229	0.025	ppbV	94
73) 1,2,4-trimethylbenzene	18.275	105	1078	0.023	ppbV	93
74) Benzyl Chloride	18.400	91	276	0.014	ppbV #	89
75) 1,3-dichlorobenzene	18.408	146	664	0.021	ppbV #	90
76) 1,4-dichlorobenzene	18.467	146	609	0.020	ppbV #	89
77) sec-butylbenzene	18.508	105	1476	0.022	ppbV	91
78) p-isopropyltoluene	18.633	119	1377	0.023	ppbV	96
79) 1,2-dichlorobenzene	18.750	146	699	0.023	ppbV	95
80) n-butylbenzene	18.983	91	1207	0.024	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.117	75	185	0.020	ppbV #	84
82) 1,2,4-trichlorobenzene	20.233	180	333	0.018	ppbV #	82
83) naphthalene	20.342	128	993	0.019	ppbV #	87
84) 1,2,3-trichlorobenzene	20.592	180	310	0.019	ppbV #	89
85) hexachlorobutadiene	20.658	225	428	0.024	ppbV #	88

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745950_Ev2.D
Acq On    : 21 Dec 2024   1:51 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.02
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

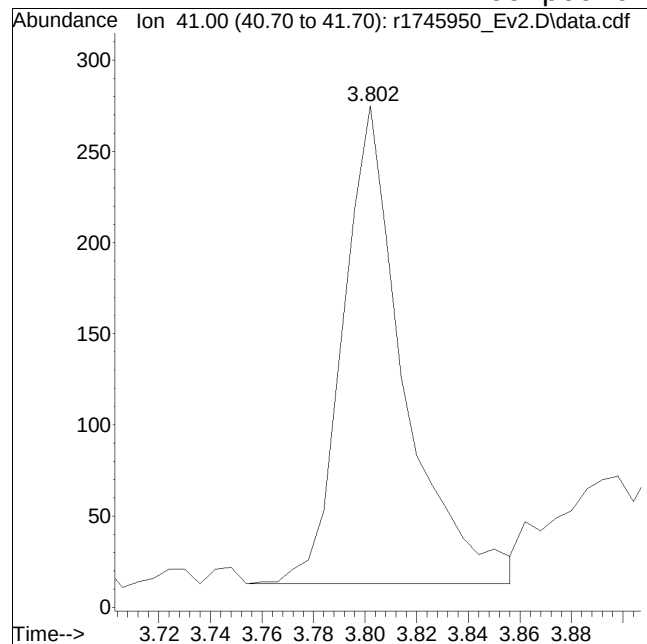
Quant Time: Dec 23 14:21:09 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:21:09 2024
Response via : Initial Calibration



Manual Integration Report

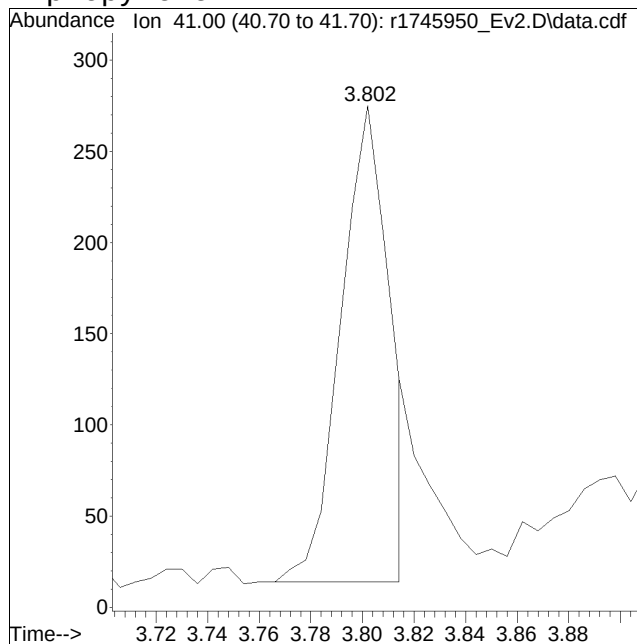
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Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #2: propylene



Original Peak Response = 432

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

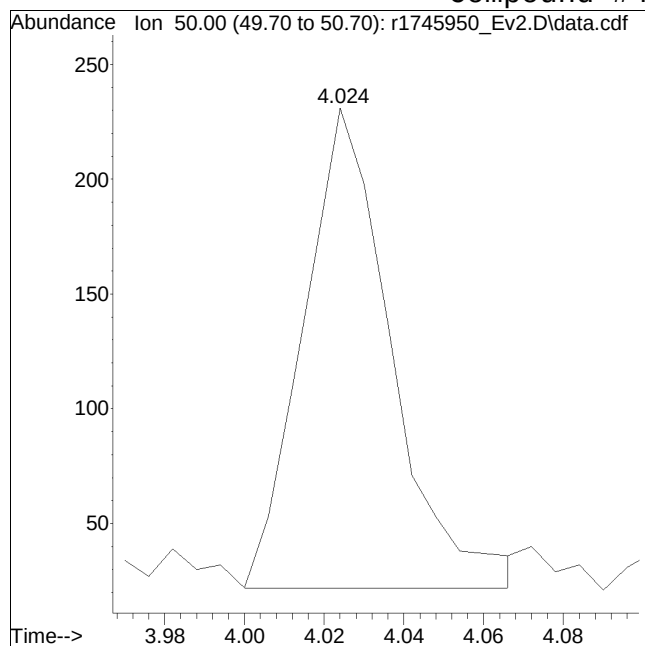


Manual Peak Response = 342 M6

Manual Integration Report

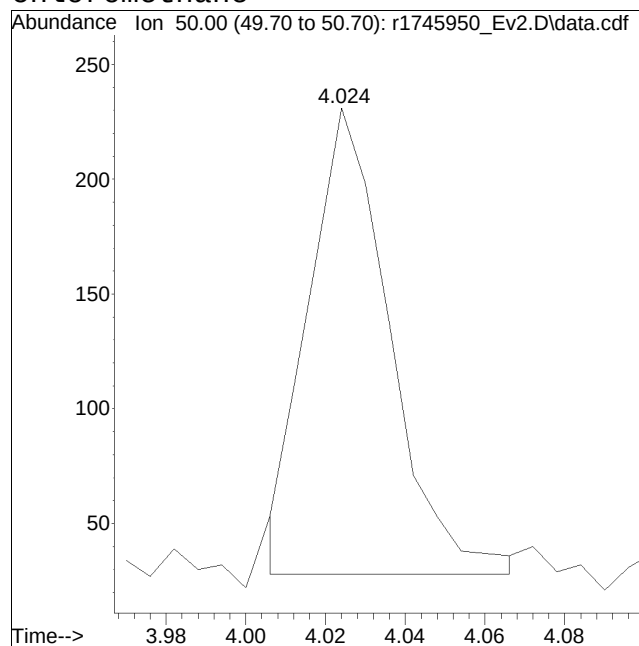
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #4: chloromethane



Original Peak Response = 320

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

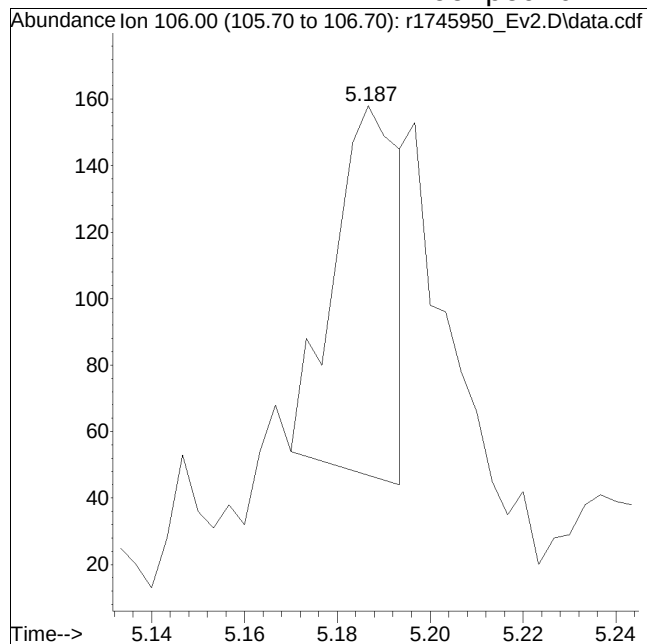


Manual Peak Response = 288 M6

Manual Integration Report

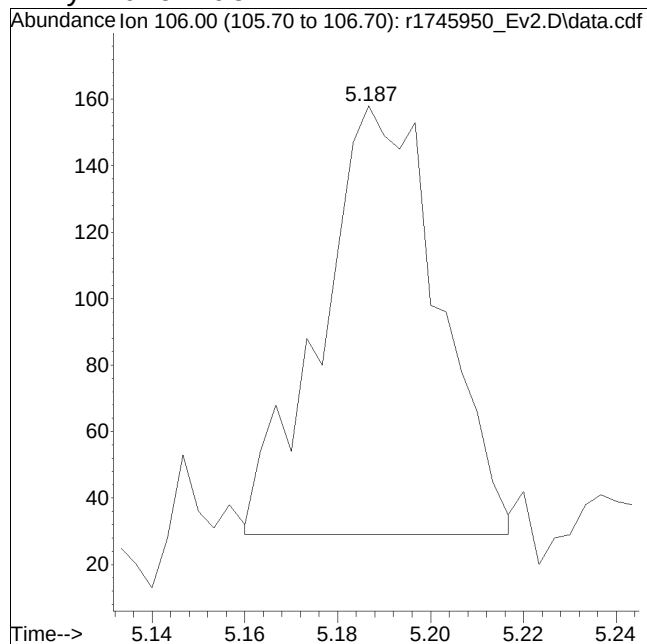
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #11: vinyl bromide



Original Peak Response = 108

M4 = Poor automated baseline construction.

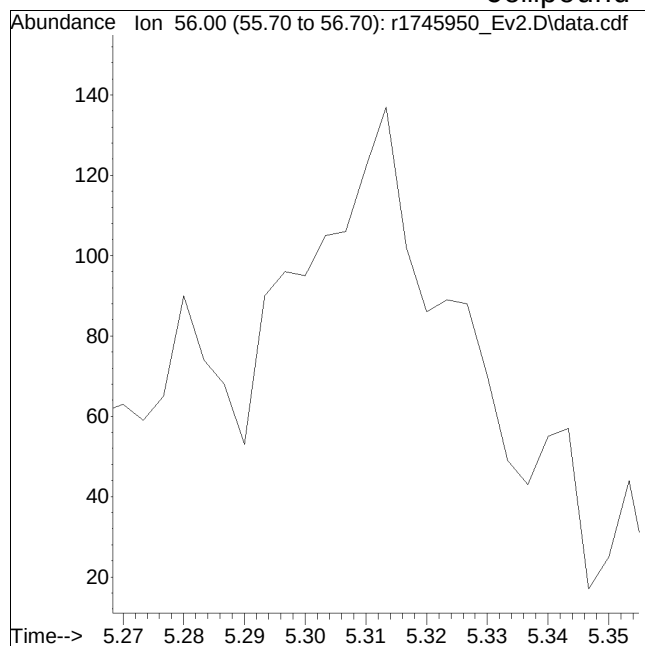


Manual Peak Response = 227 M4

Manual Integration Report

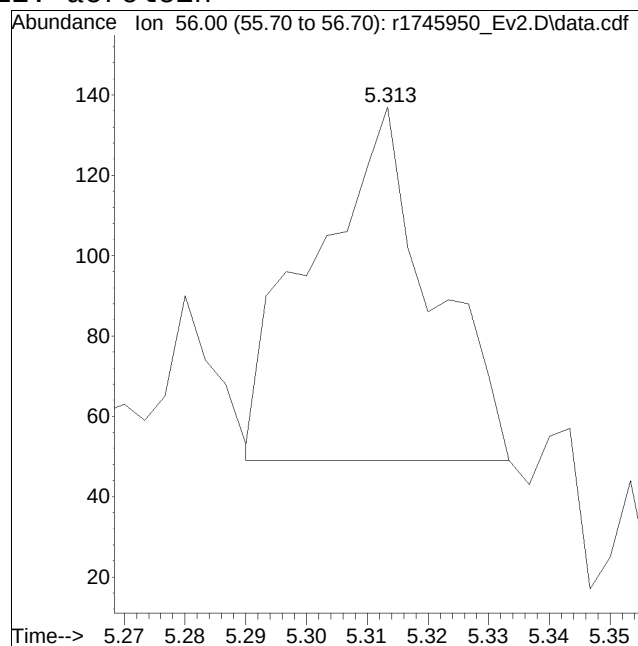
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Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #12: acrolein



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

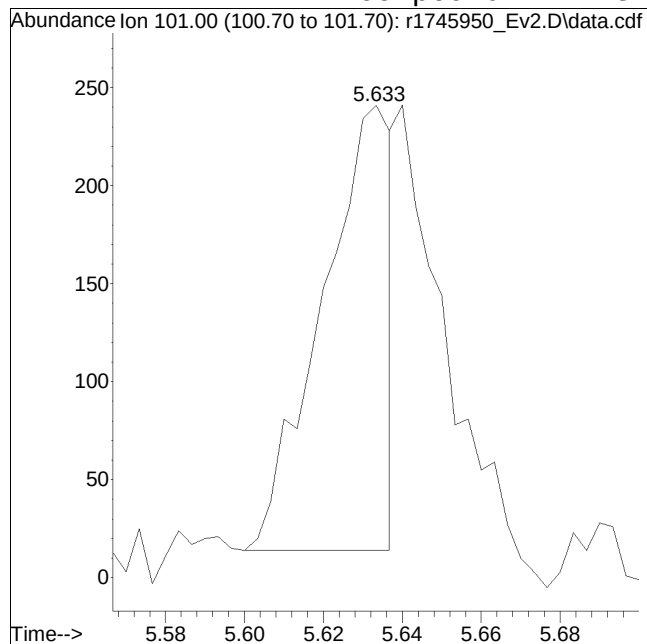


Manual Peak Response = 120 M2

Manual Integration Report

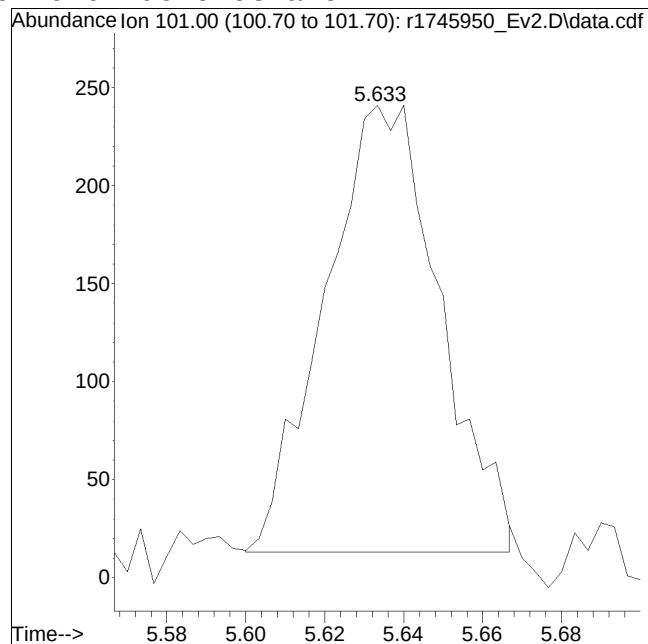
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #14: trichlorofluoromethane



Original Peak Response = 276

M4 = Poor automated baseline construction.

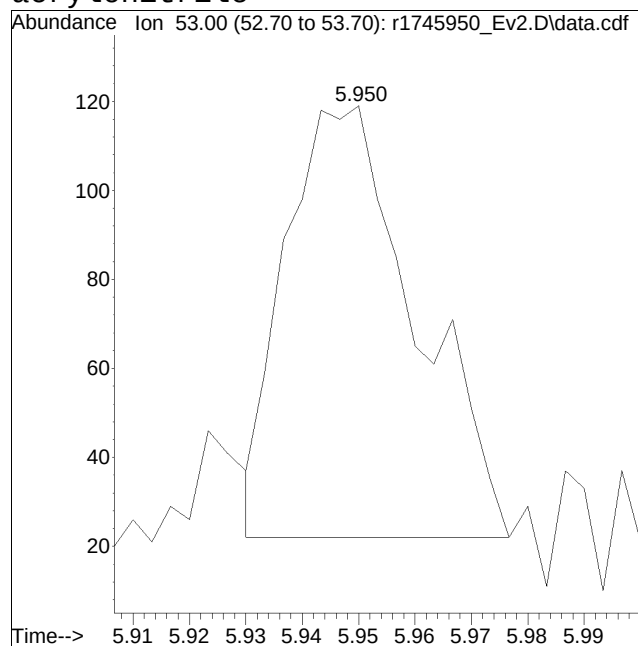
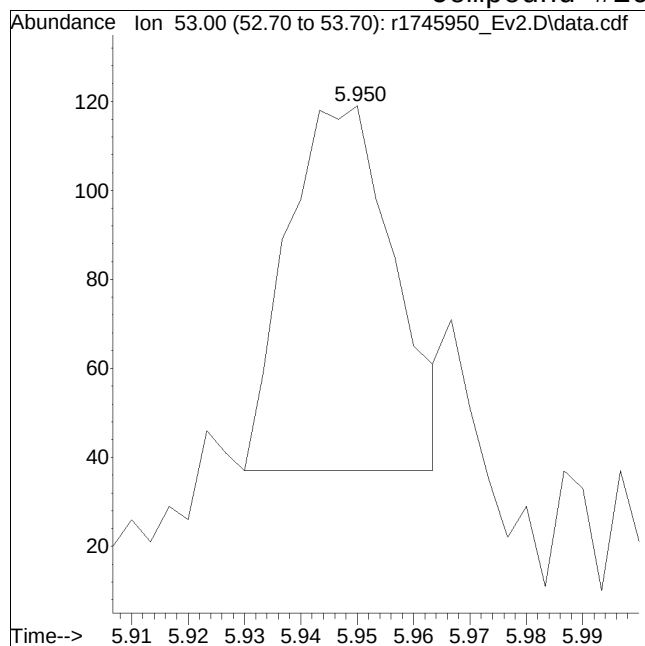


Manual Peak Response = 461 M4

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #16: acrylonitrile

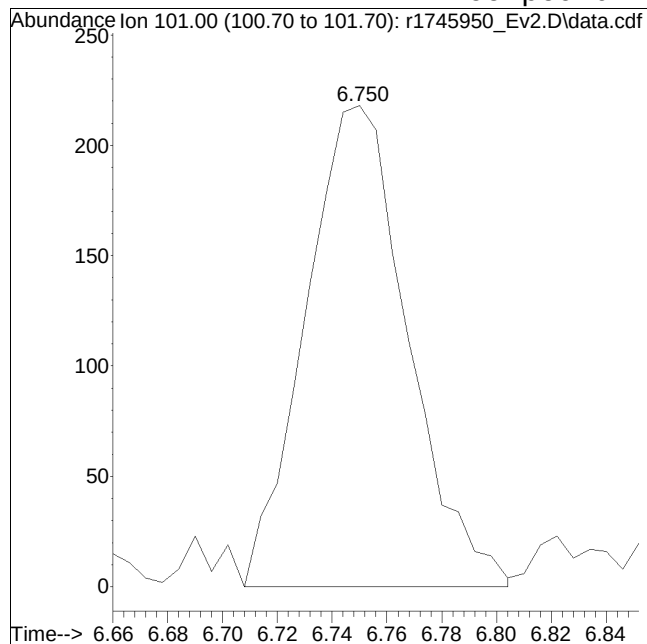


M4 = Poor automated baseline construction.

Manual Integration Report

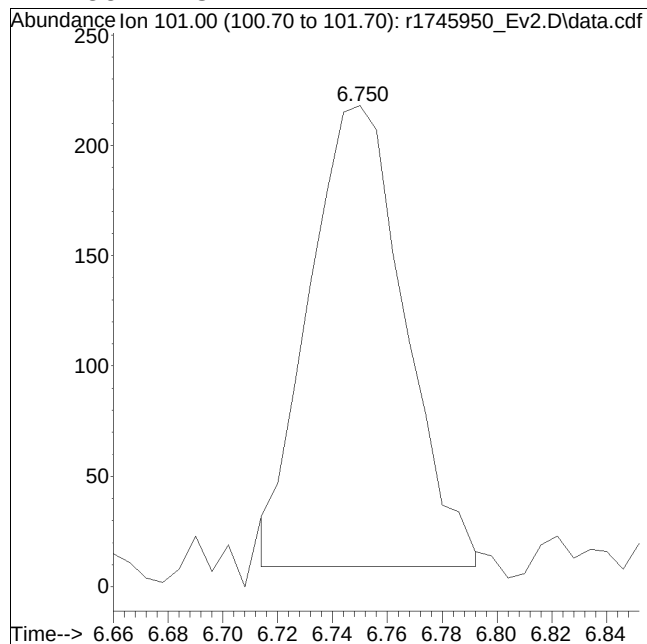
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Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #22: Freon 113



Original Peak Response = 566

M4 = Poor automated baseline construction.

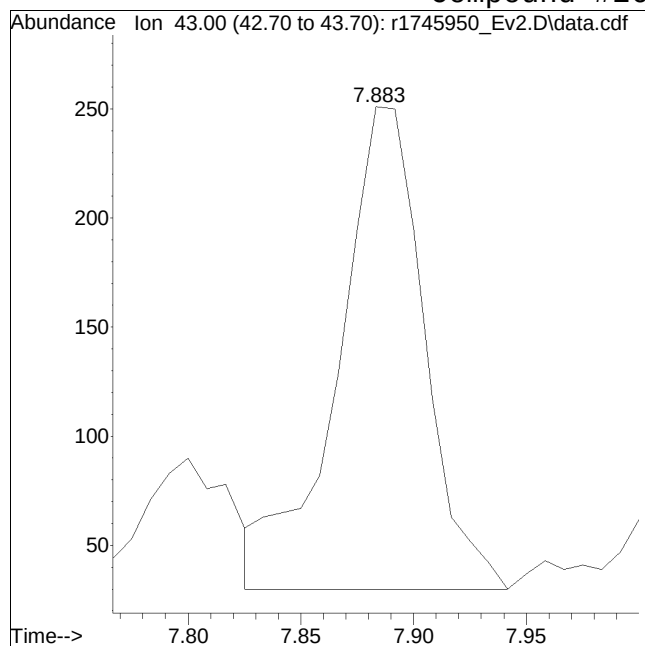


Manual Peak Response = 505 M4

Manual Integration Report

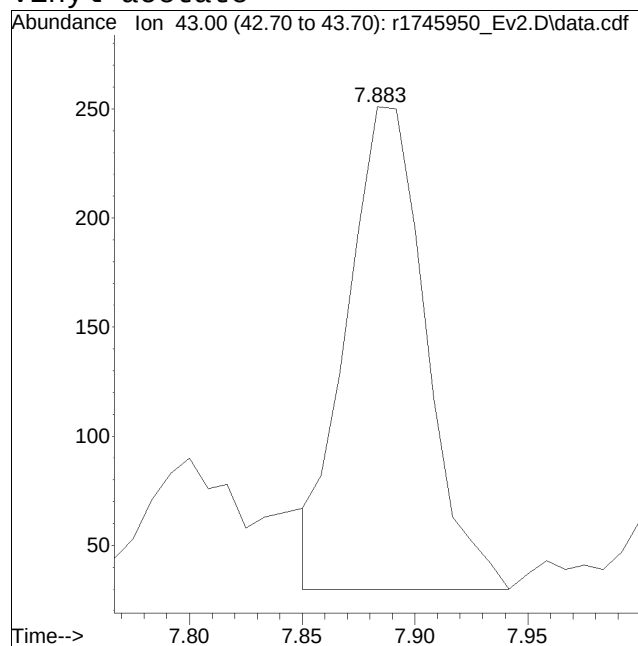
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #26: vinyl acetate



Original Peak Response = 591

M4 = Poor automated baseline construction.

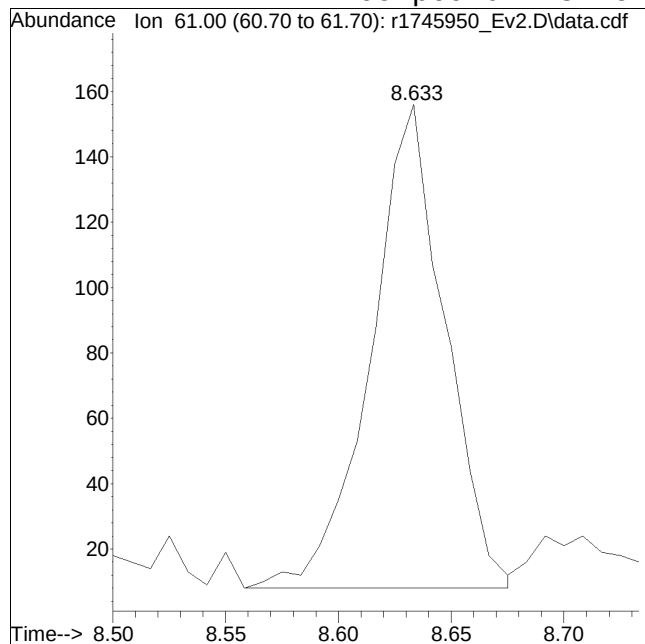


Manual Peak Response = 538 M4

Manual Integration Report

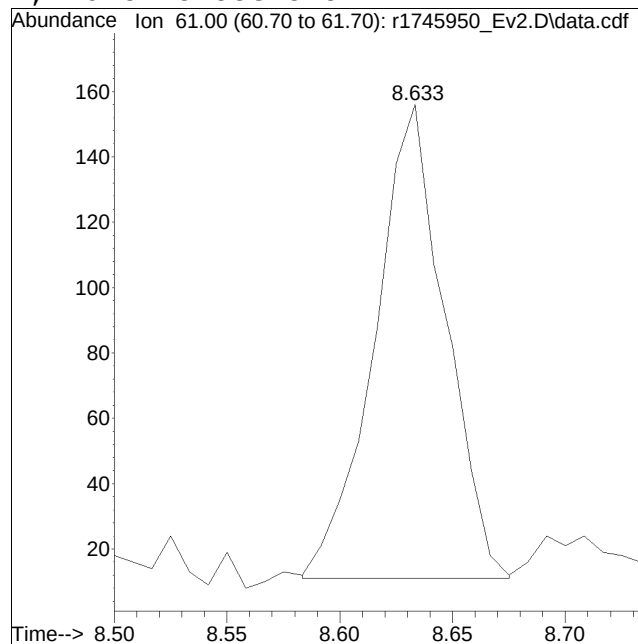
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 339

M4 = Poor automated baseline construction.

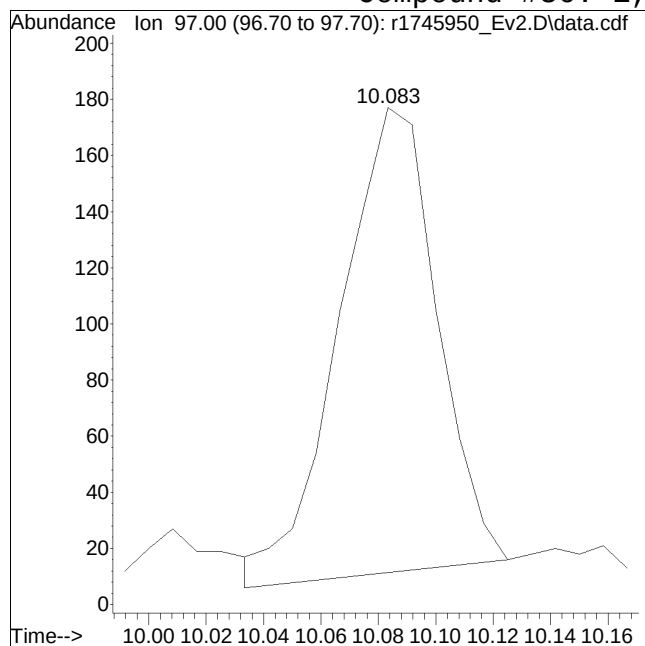


Manual Peak Response = 317 M4

Manual Integration Report

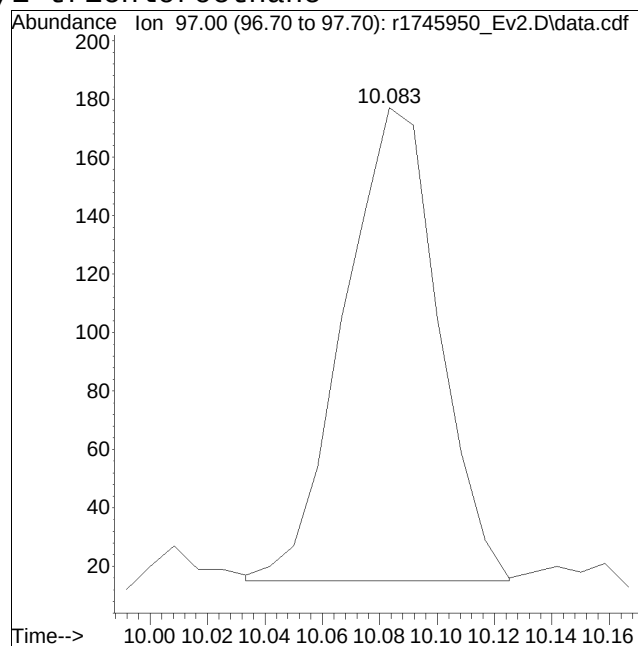
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #36: 1,1,1-trichloroethane



Original Peak Response = 392

M4 = Poor automated baseline construction.

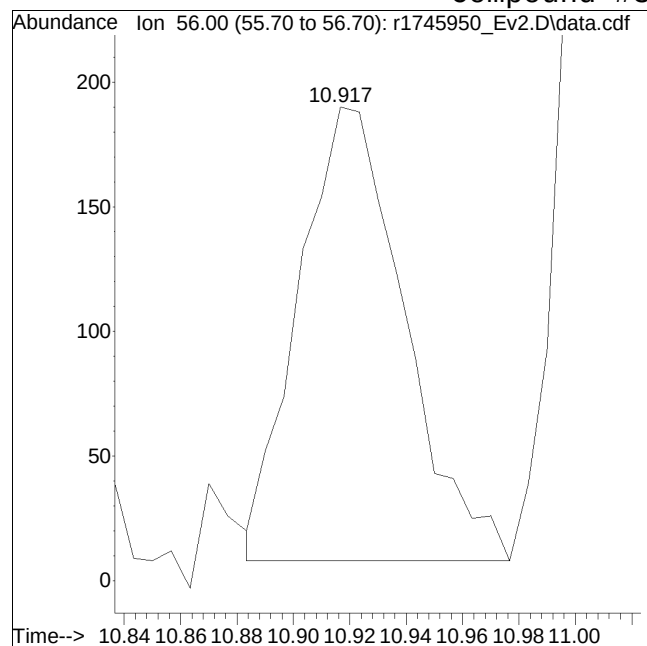


Manual Peak Response = 370 M4

Manual Integration Report

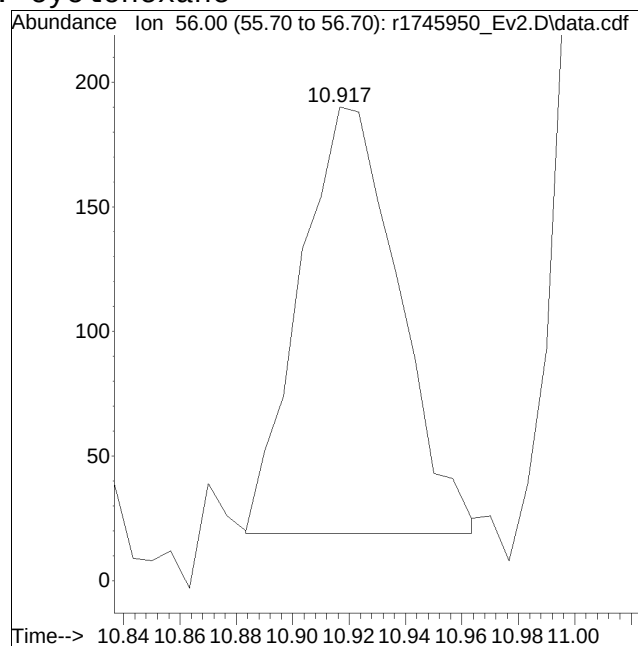
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #39: cyclohexane



Original Peak Response = 475

M4 = Poor automated baseline construction.

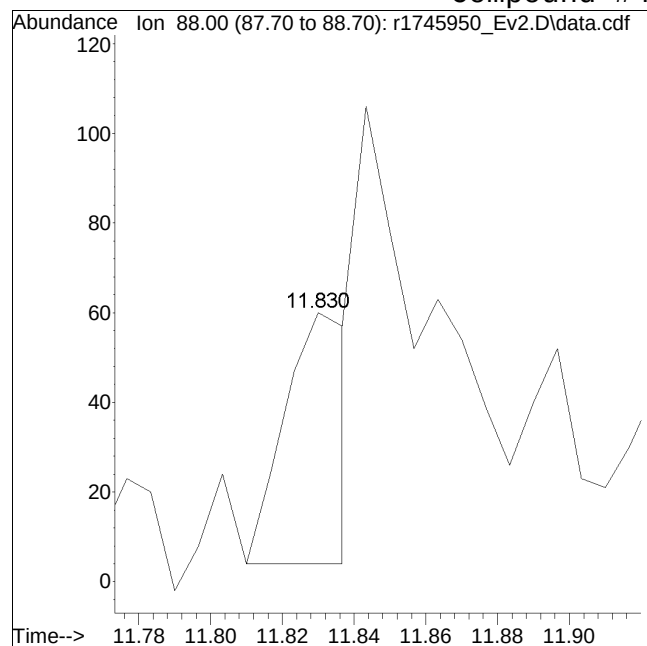


Manual Peak Response = 415 M4

Manual Integration Report

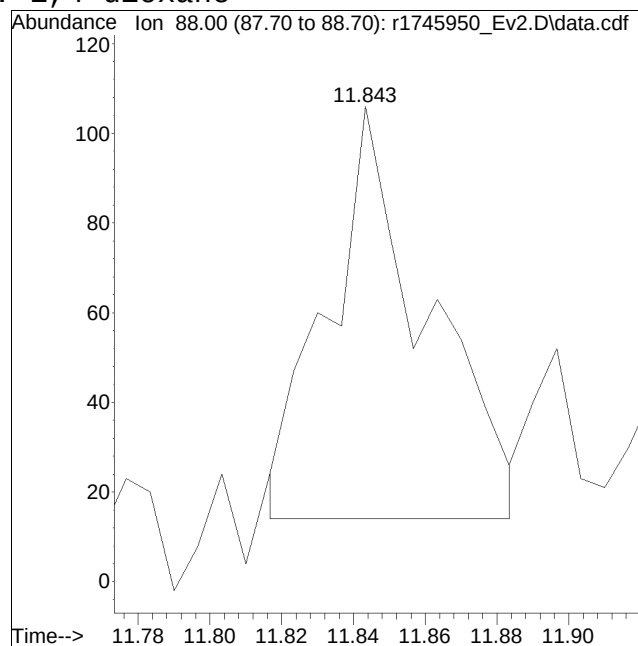
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #43: 1,4-dioxane



Original Peak Response = 69

M4 = Poor automated baseline construction.

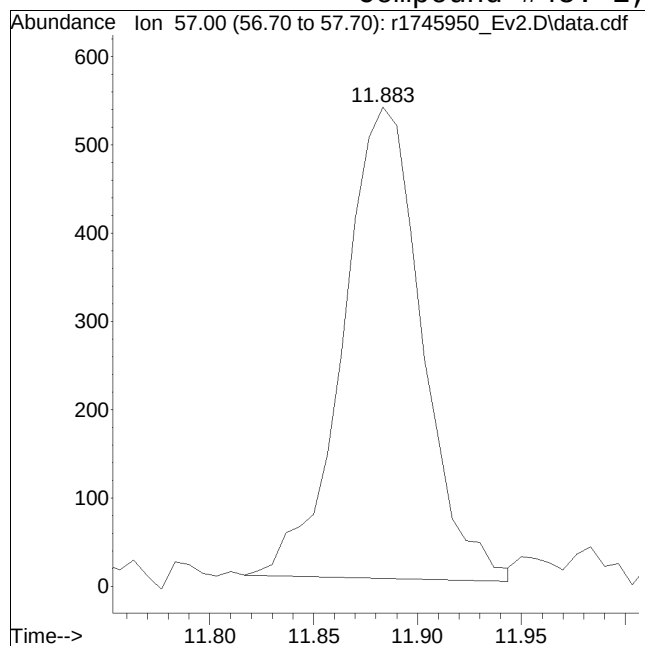


Manual Peak Response = 177 M4

Manual Integration Report

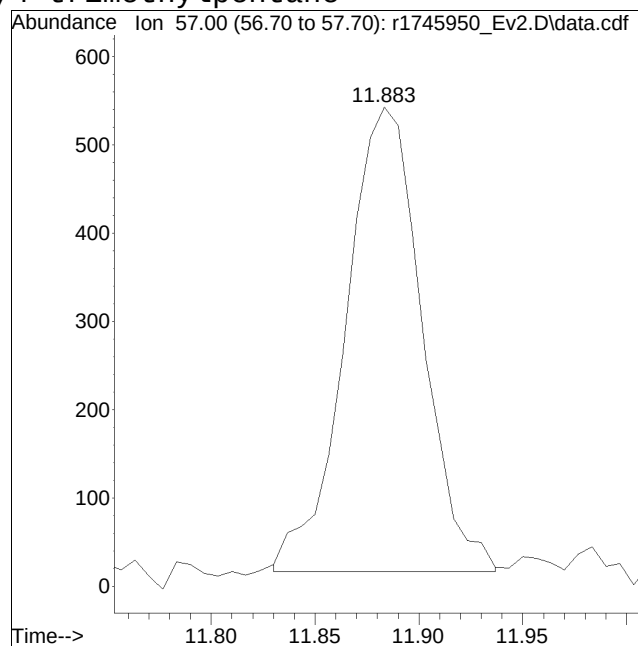
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #45: 2,2,4-trimethylpentane



Original Peak Response = 1411

M4 = Poor automated baseline construction.

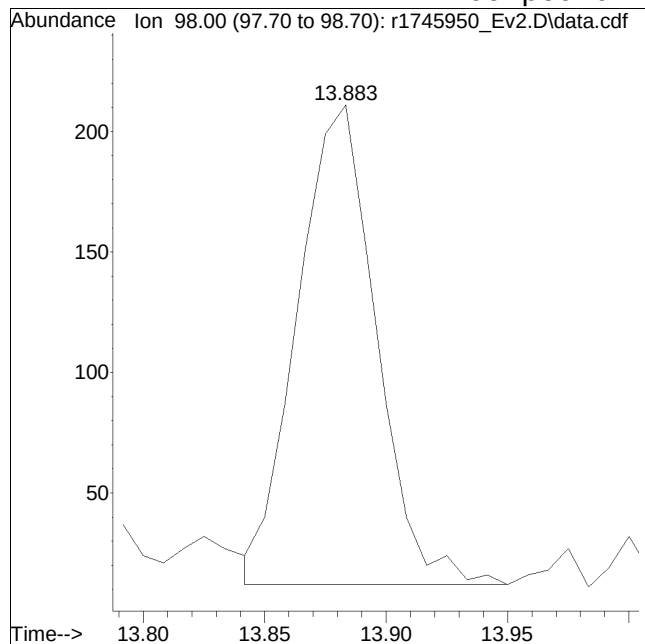


Manual Peak Response = 1349 M4

Manual Integration Report

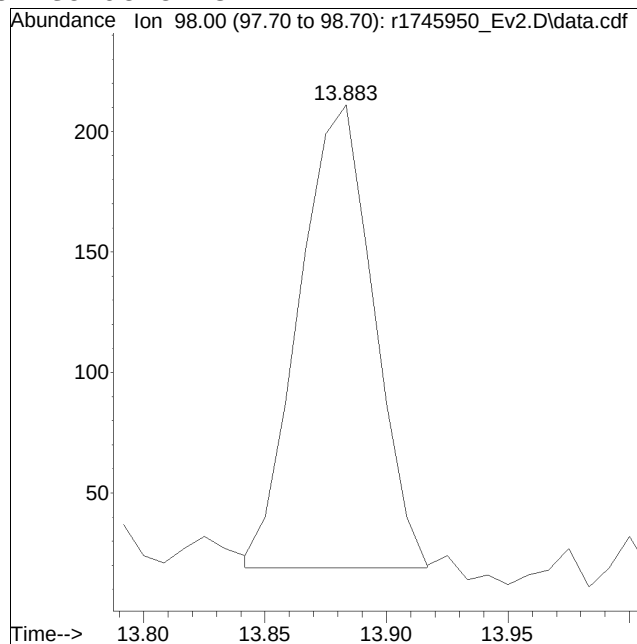
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #53: toluene-D8



Original Peak Response = 449

M4 = Poor automated baseline construction.

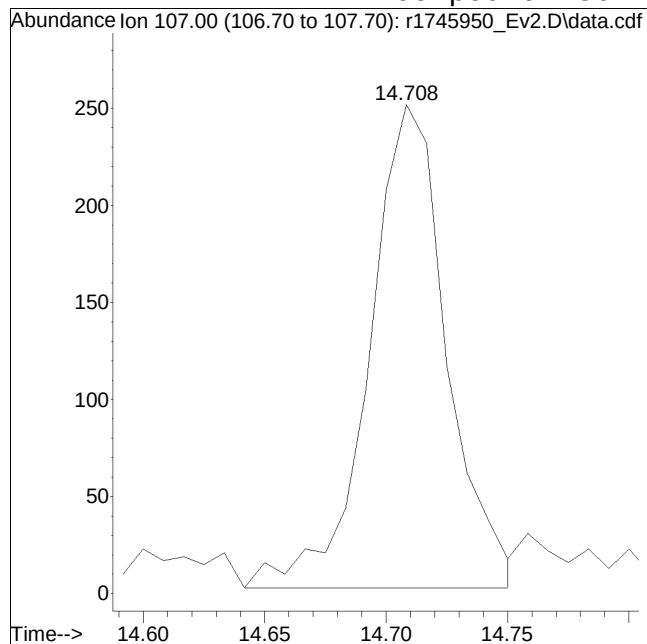


Manual Peak Response = 408 M4

Manual Integration Report

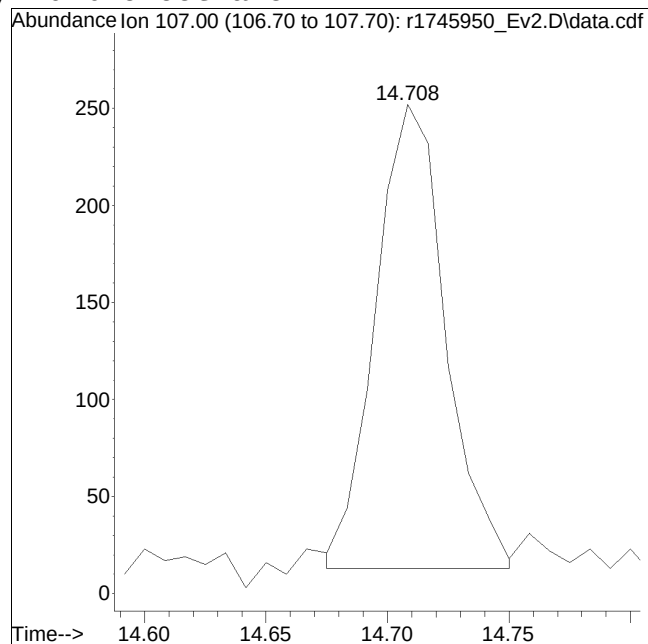
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #56: 1,2-dibromoethane



Original Peak Response = 554

M4 = Poor automated baseline construction.

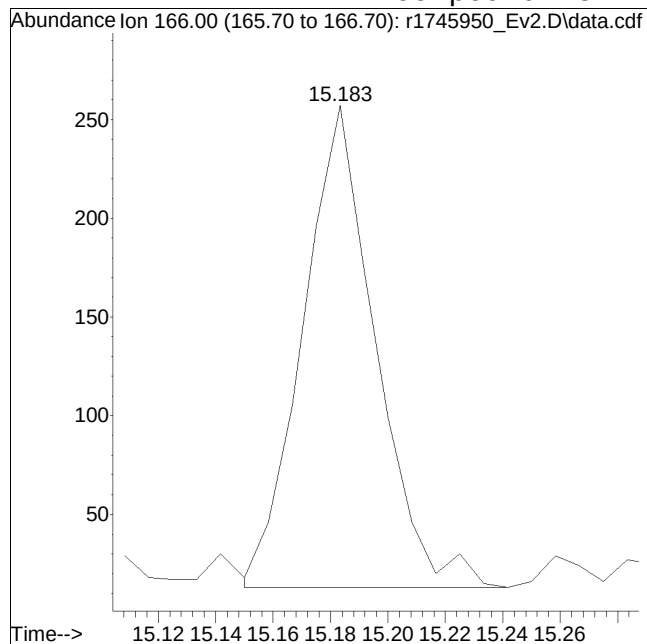


Manual Peak Response = 480 M4

Manual Integration Report

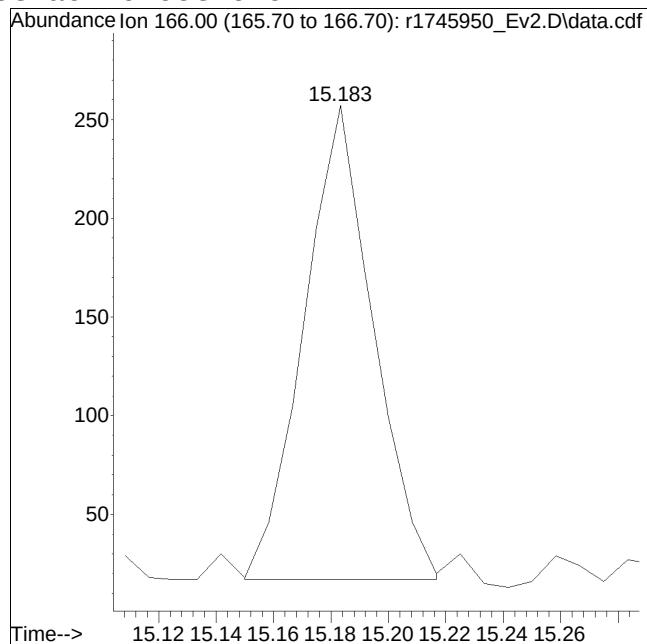
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #57: tetrachloroethene



Original Peak Response = 429

M4 = Poor automated baseline construction.

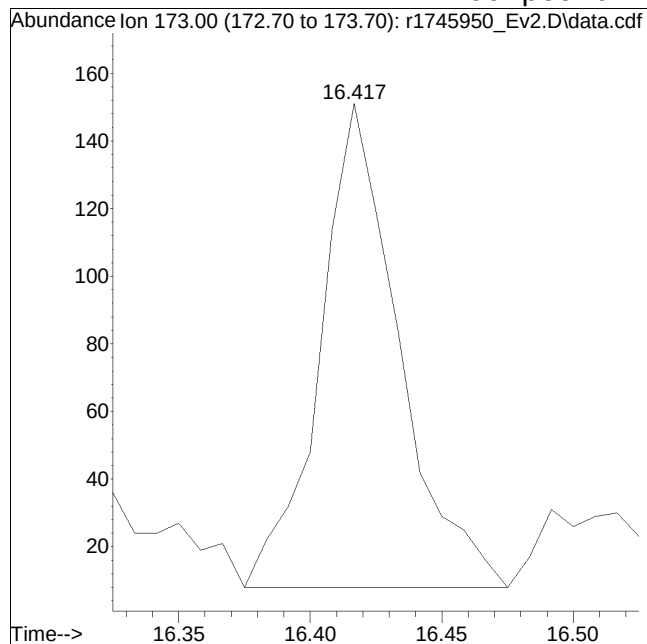


Manual Peak Response = 404 M4

Manual Integration Report

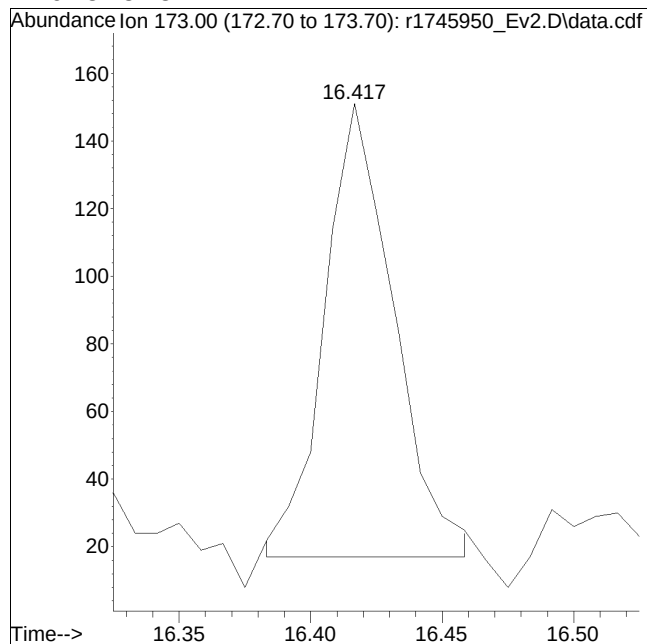
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #62: bromoform



Original Peak Response = 297

M4 = Poor automated baseline construction.

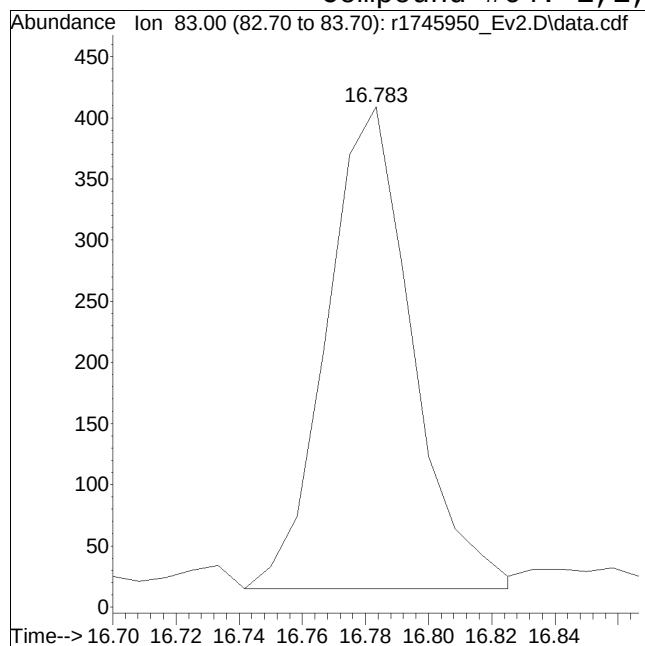


Manual Peak Response = 245 M4

Manual Integration Report

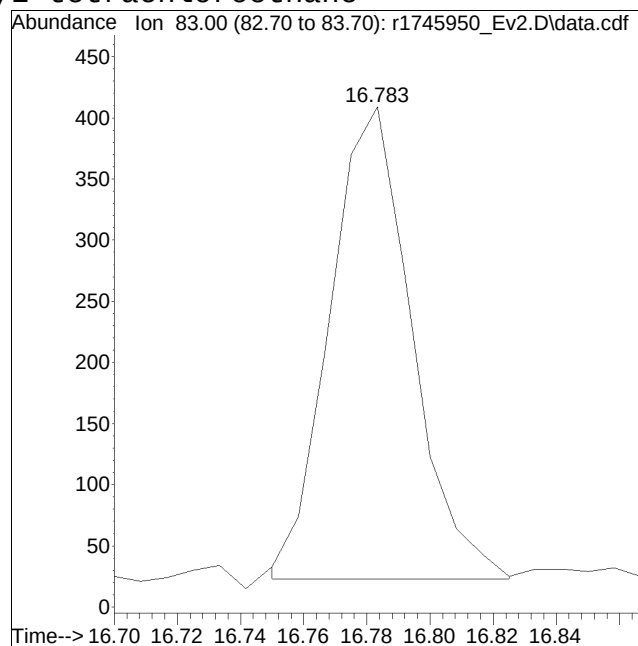
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #64: 1,1,2,2-tetrachloroethane



Original Peak Response = 739

M4 = Poor automated baseline construction.

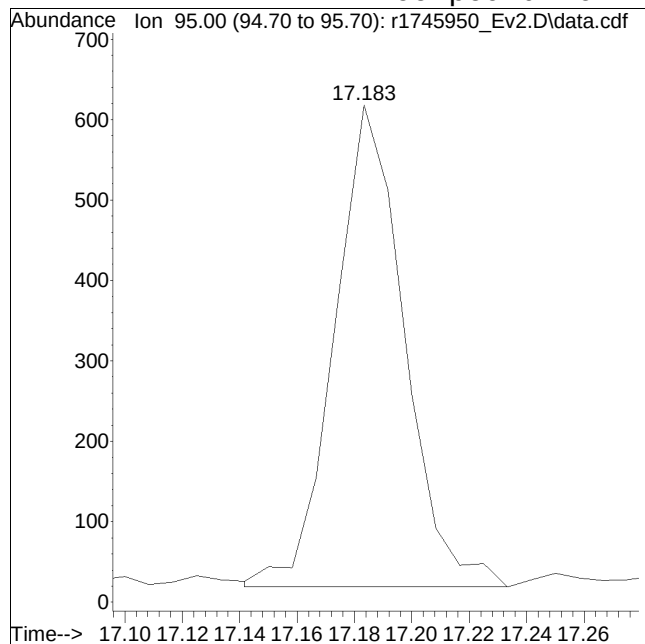


Manual Peak Response = 694 M4

Manual Integration Report

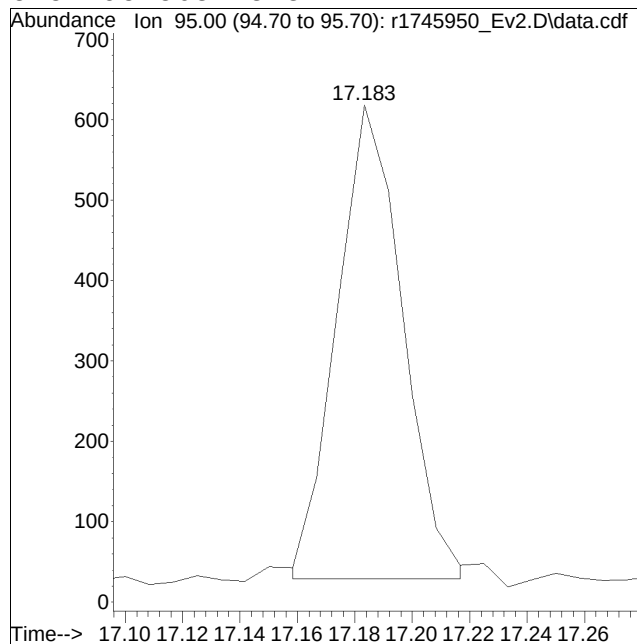
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745950_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:51 AM Instrument :
Sample : IT015-SIMSTD0.02 Quant Date : 12/23/2024 2:21 pm

Compound #67: bromofluorobenzene



Original Peak Response = 1011

M4 = Poor automated baseline construction.



Manual Peak Response = 936 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745951_Ev2.D
 Acq On : 21 Dec 2024 2:26 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.05
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:24 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:24 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	174533	10.000	ppbV	0.00
Standard Area = 179491			Recovery =		97.24%	
33) 1,4-difluorobenzene	11.023	114	513432	10.000	ppbV	0.00
Standard Area = 530722			Recovery =		96.74%	
51) chlorobenzene-D5	15.783	54	65260	10.000	ppbV	0.00
Standard Area = 67250			Recovery =		97.04%	
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.00%#	
53) toluene-D8	13.875	98	324M4	0.008	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.08%#	
67) bromofluorobenzene	17.183	95	526	0.018	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.18%#	
Target Compounds						
					Qvalue	
2) propylene	3.802	41	635M6	0.070	ppbV	
3) dichlorodifluoromethane	3.874	85	1232	0.065	ppbV	95
4) chloromethane	4.024	50	640	0.066	ppbV	91
5) Freon-114	4.126	85	1490	0.061	ppbV	99
6) vinyl chloride	4.240	62	585	0.059	ppbV #	83
7) 1,3-butadiene	4.378	54	525	0.060	ppbV #	77
8) bromomethane	4.642	94	502	0.056	ppbV	100
9) chloroethane	4.822	64	332	0.071	ppbV	92
10) ethanol	4.942	31	2359	0.346	ppbV	88
11) vinyl bromide	5.183	106	530	0.056	ppbV	94
12) acrolein	5.310	56	276M4	0.061	ppbV	
13) acetone	5.453	43	6017	0.421	ppbV #	98
14) trichlorofluoromethane	5.630	101	1164	0.061	ppbV	93
15) isopropyl alcohol	5.723	45	3415	0.194	ppbV #	94
16) acrylonitrile	5.940	53	437M4	0.058	ppbV	
17) 1,1-dichloroethene	6.306	61	810	0.058	ppbV	98
18) tertiary butyl alcohol	6.372	59	851	0.062	ppbV #	94
19) methylene chloride	6.444	49	1142	0.092	ppbV	99
20) 3-chloropropene	6.570	41	823	0.057	ppbV	90
21) carbon disulfide	6.738	76	1856	0.062	ppbV #	1
22) Freon 113	6.744	101	1288	0.061	ppbV	98
23) trans-1,2-dichloroethene	7.467	61	812	0.057	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745951_Ev2.D
 Acq On : 21 Dec 2024 2:26 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.05
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:24 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:24 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) 1,1-dichloroethane	7.692	63	1070	0.059	ppbV	93
25) MTBE	7.783	73	1437	0.059	ppbV #	85
26) vinyl acetate	7.883	43	1339	0.063	ppbV #	88
27) 2-butanone	8.150	43	1518	0.066	ppbV #	94
28) cis-1,2-dichloroethene	8.625	61	768	0.057	ppbV	92
29) Ethyl Acetate	8.917	61	220	0.069	ppbV #	19
30) chloroform	8.958	83	1092	0.057	ppbV #	95
31) Tetrahydrofuran	9.425	42	737	0.055	ppbV	96
32) 1,2-dichloroethane	9.792	62	612	0.055	ppbV #	87
34) hexane	8.883	57	995	0.065	ppbV #	30
36) 1,1,1-trichloroethane	10.075	97	921	0.057	ppbV #	88
37) benzene	10.597	78	2206	0.060	ppbV	99
38) carbon tetrachloride	10.770	117	778	0.054	ppbV #	91
39) cyclohexane	10.917	56	1014	0.062	ppbV	96
40) Dibromomethane	11.510	93	672M4	0.057	ppbV	
41) 1,2-dichloropropane	11.543	63	720M4	0.054	ppbV	
42) bromodichloromethane	11.770	83	893	0.050	ppbV #	92
43) 1,4-dioxane	11.837	88	383M4	0.052	ppbV	
44) trichloroethene	11.823	130	1063M4	0.057	ppbV	
45) 2,2,4-trimethylpentane	11.877	57	2951	0.059	ppbV	99
46) heptane	12.190	43	1477	0.063	ppbV	96
47) cis-1,3-dichloropropene	12.833	75	857	0.054	ppbV #	81
48) 4-methyl-2-pentanone	12.908	43	1561	0.056	ppbV	97
49) trans-1,3-dichloropropene	13.458	75	524	0.046	ppbV #	74
50) 1,1,2-trichloroethane	13.658	97	830M4	0.054	ppbV	
52) toluene	13.992	91	2574	0.063	ppbV	99
54) 2-hexanone	14.325	43	1318	0.052	ppbV #	97
55) dibromochloromethane	14.450	129	858	0.048	ppbV #	95
56) 1,2-dibromoethane	14.708	107	1111	0.052	ppbV	100
57) tetrachloroethene	15.183	166	972	0.057	ppbV	97
58) 1,1,1,2-tetrachloroethane	15.817	131	807	0.055	ppbV	94
59) chlorobenzene	15.833	112	2032	0.056	ppbV	99
60) ethylbenzene	16.192	91	3012	0.056	ppbV	94
61) m+p-xylene	16.350	91	4683	0.109	ppbV	100
62) bromoform	16.417	173	591	0.047	ppbV	96
63) styrene	16.683	104	1706	0.050	ppbV	94
64) 1,1,2,2-tetrachloroethane	16.775	83	1596	0.052	ppbV	98
65) o-xylene	16.775	91	2384	0.055	ppbV	99
66) 1,2,3-Trichloropropane	16.892	75	1208	0.053	ppbV #	96
68) isopropylbenzene	17.300	105	2958	0.056	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745951_Ev2.D
 Acq On : 21 Dec 2024 2:26 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.05
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:24 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:24 2024
 Response via : Initial Calibration

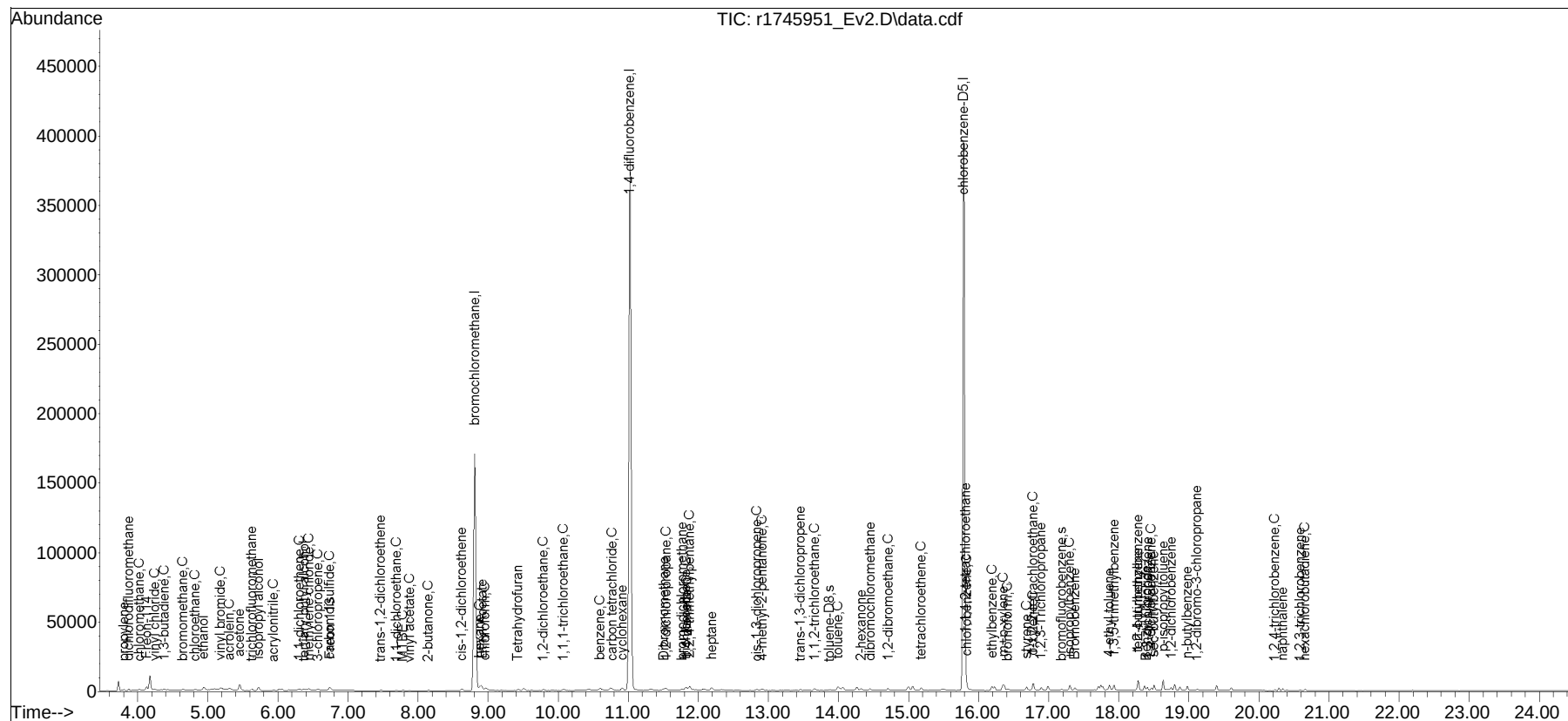
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Bromobenzene	17.375	77	1518	0.051	ppbV	96
70) 4-ethyl toluene	17.867	105	2880	0.051	ppbV #	95
71) 1,3,5-trimethylbenzene	17.933	105	2506	0.052	ppbV #	95
72) tert-butylbenzene	18.275	119	2852	0.058	ppbV	96
73) 1,2,4-trimethylbenzene	18.275	105	2453	0.051	ppbV	94
74) Benzyl Chloride	18.392	91	669	0.035	ppbV	91
75) 1,3-dichlorobenzene	18.408	146	1571	0.050	ppbV	95
76) 1,4-dichlorobenzene	18.467	146	1487	0.049	ppbV	97
77) sec-butylbenzene	18.500	105	3603	0.053	ppbV	97
78) p-isopropyltoluene	18.633	119	3215	0.054	ppbV	100
79) 1,2-dichlorobenzene	18.750	146	1587	0.052	ppbV	97
80) n-butylbenzene	18.975	91	2608	0.052	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.117	75	340	0.037	ppbV #	79
82) 1,2,4-trichlorobenzene	20.225	180	806M4	0.044	ppbV	
83) naphthalene	20.342	128	2293	0.043	ppbV #	91
84) 1,2,3-trichlorobenzene	20.592	180	724	0.044	ppbV	94
85) hexachlorobutadiene	20.658	225	963	0.053	ppbV	93

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745951_Ev2.D
Acq On    : 21 Dec 2024    2:26 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.05
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

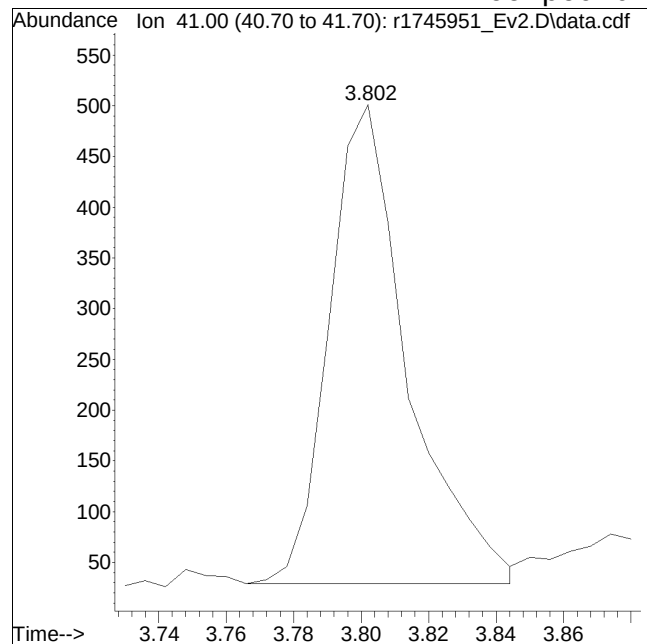
Quant Time: Dec 23 14:21:24 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:21:24 2024
Response via : Initial Calibration



Manual Integration Report

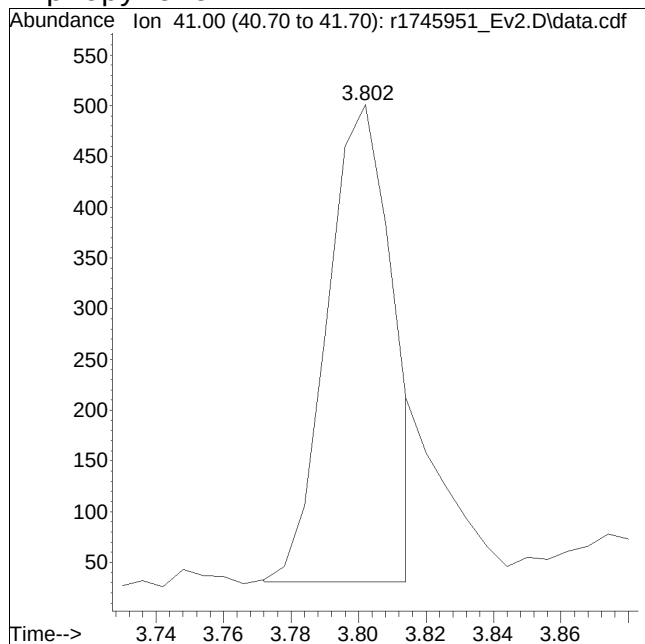
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #2: propylene



Original Peak Response = 765

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

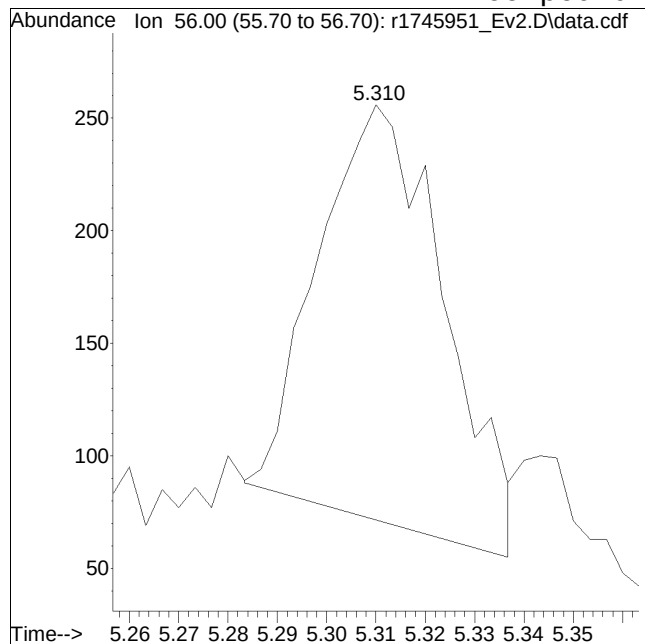


Manual Peak Response = 635 M6

Manual Integration Report

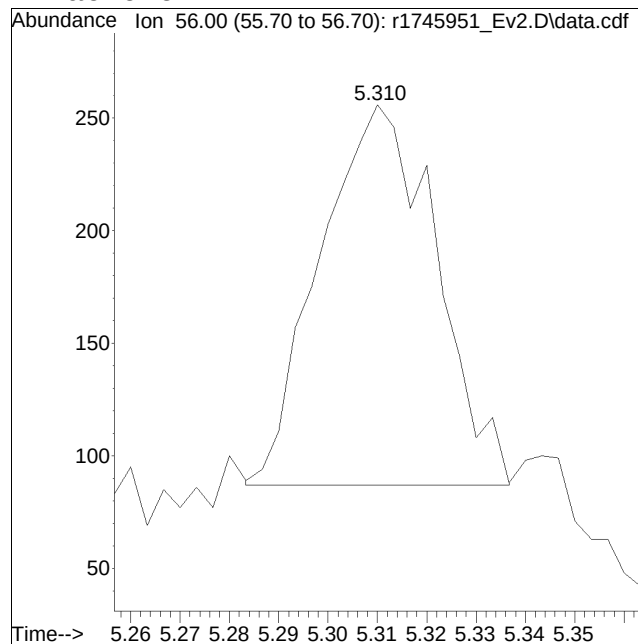
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #12: acrolein



Original Peak Response = 325

M4 = Poor automated baseline construction.

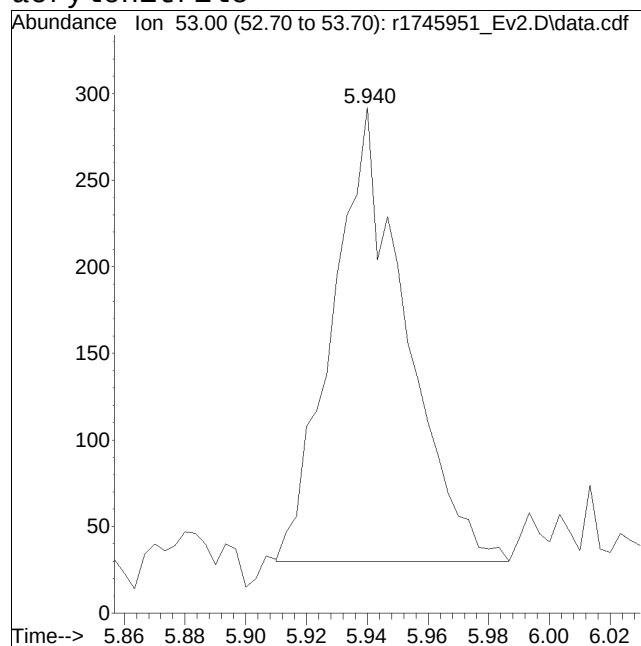
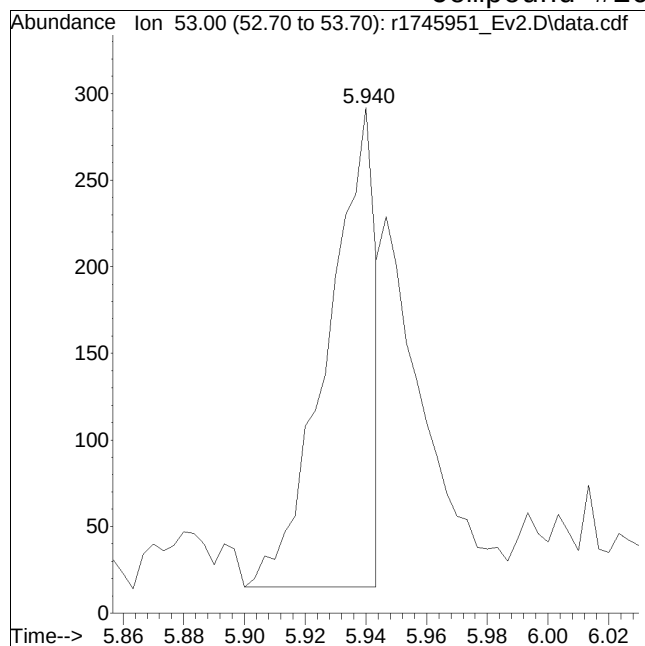


Manual Peak Response = 276 M4

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

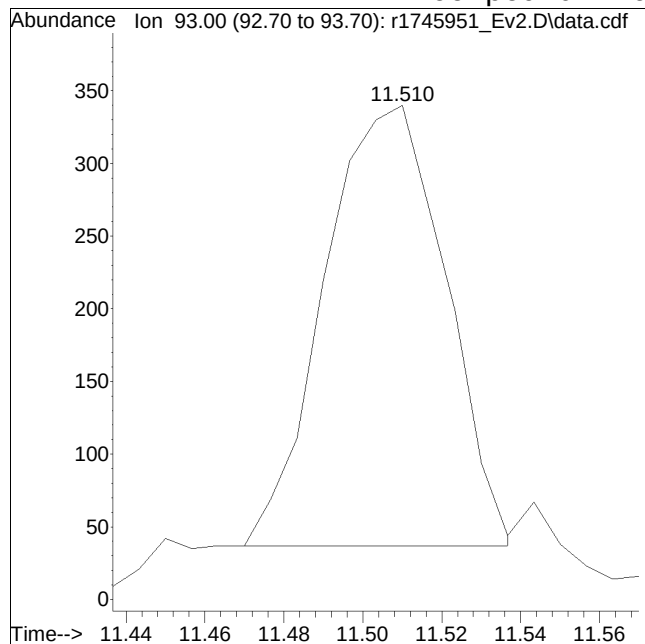
Compound #16: acrylonitrile



Manual Integration Report

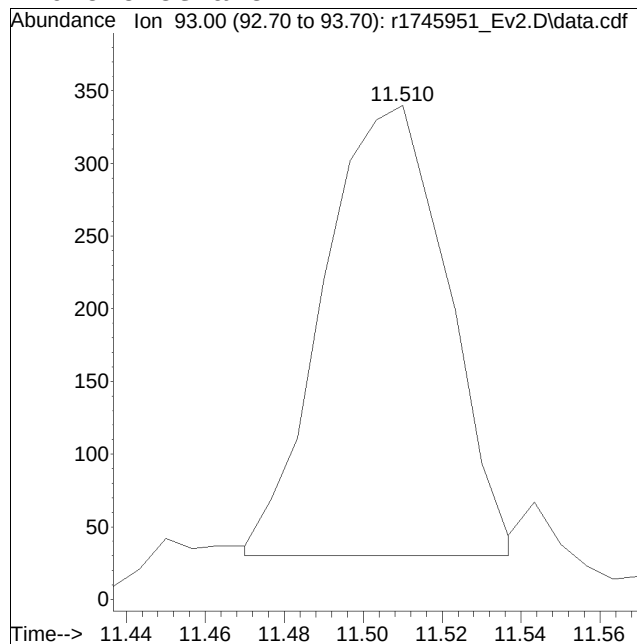
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #40: Dibromomethane



Original Peak Response = 644

M4 = Poor automated baseline construction.

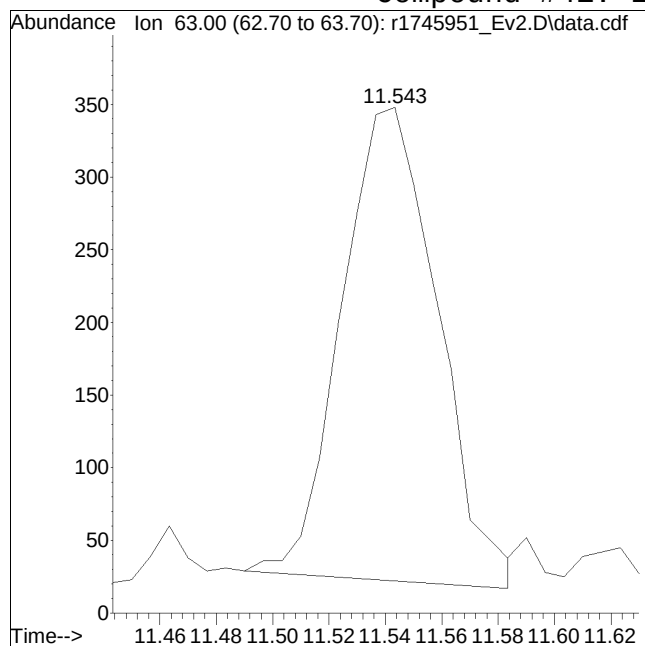


Manual Peak Response = 672 M4

Manual Integration Report

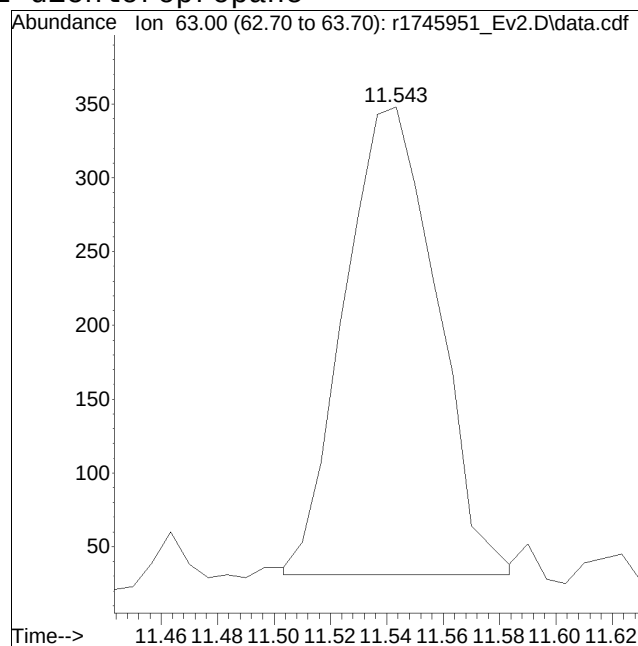
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #41: 1,2-dichloropropane



Original Peak Response = 769

M4 = Poor automated baseline construction.

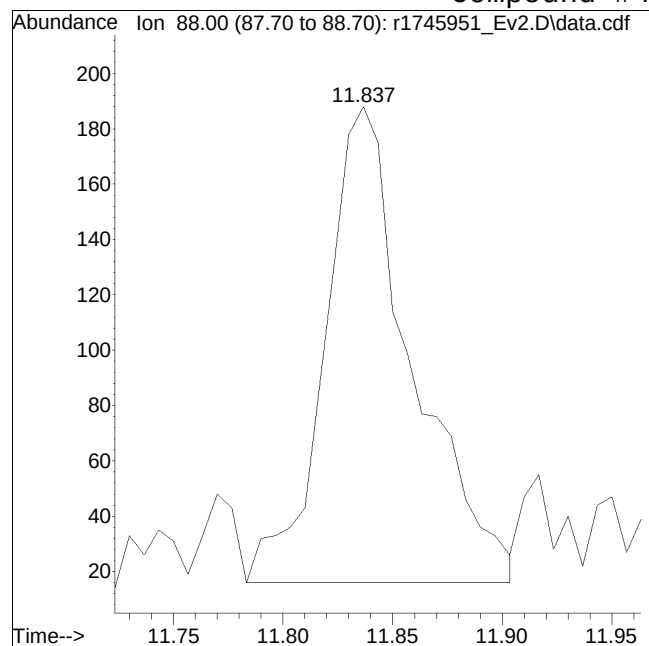


Manual Peak Response = 720 M4

Manual Integration Report

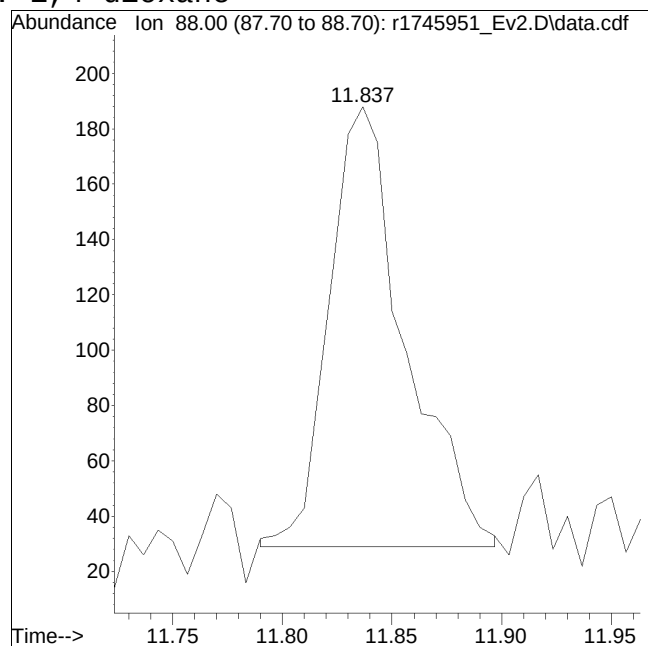
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #43: 1,4-dioxane



Original Peak Response = 476

M4 = Poor automated baseline construction.

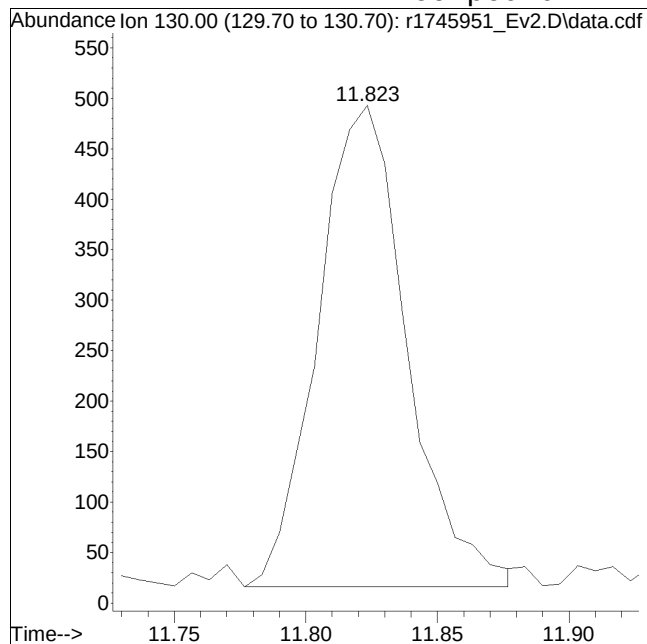


Manual Peak Response = 383 M4

Manual Integration Report

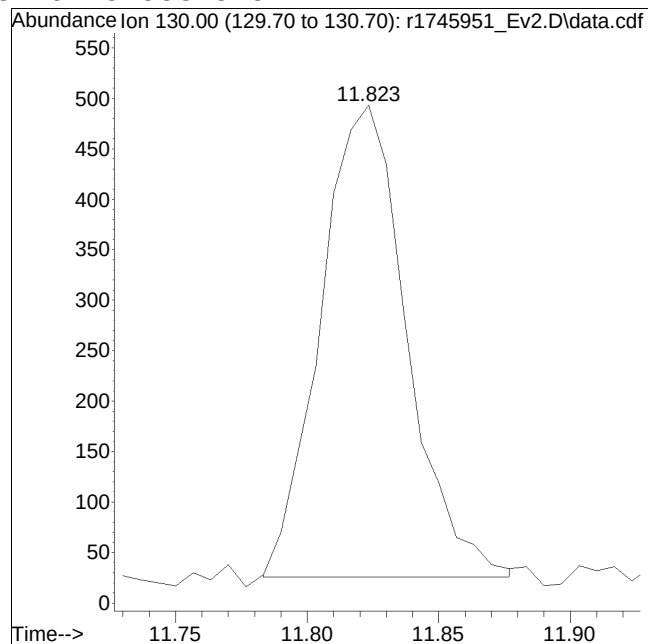
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #44: trichloroethene



Original Peak Response = 1124

M4 = Poor automated baseline construction.

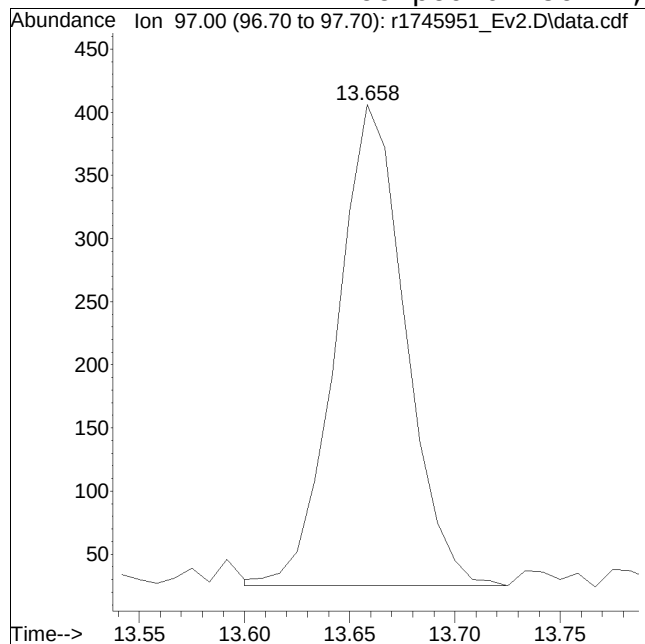


Manual Peak Response = 1063 M4

Manual Integration Report

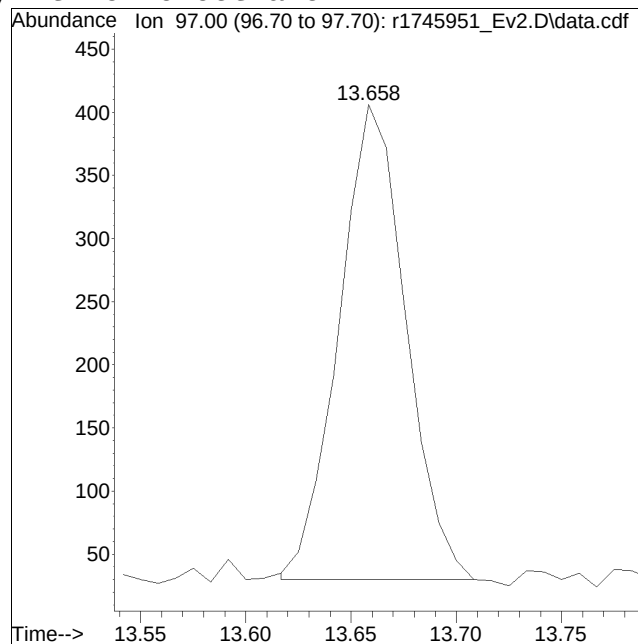
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #50: 1,1,2-trichloroethane



Original Peak Response = 868

M4 = Poor automated baseline construction.

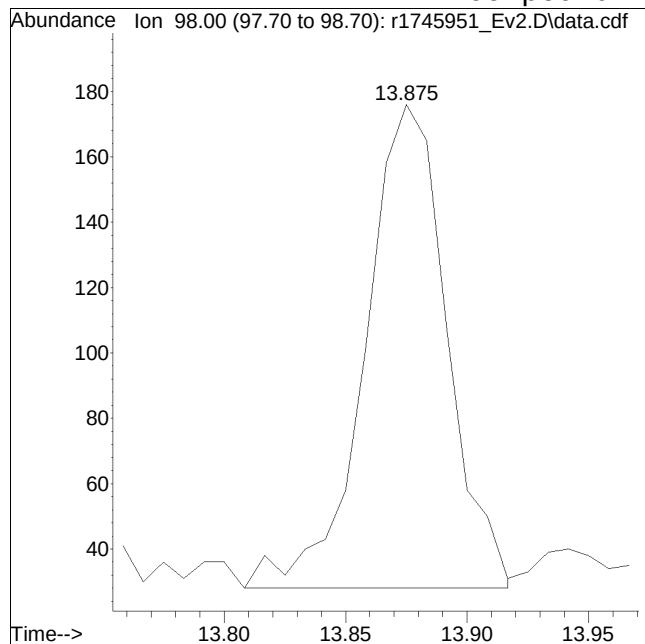


Manual Peak Response = 830 M4

Manual Integration Report

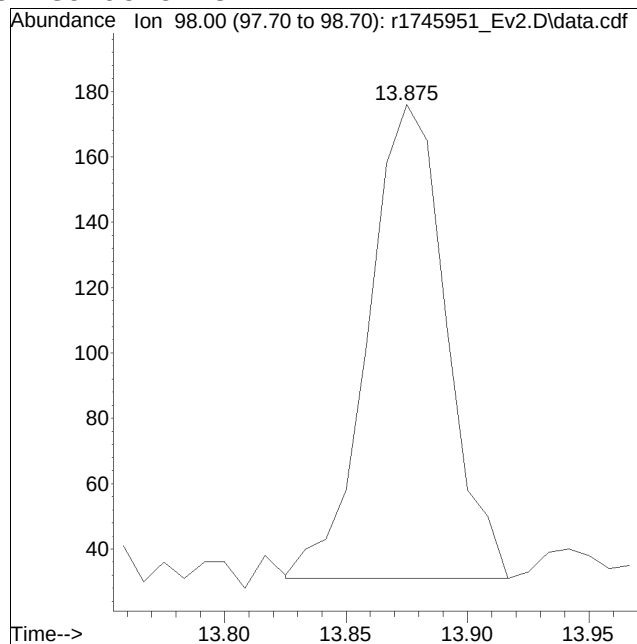
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #53: toluene-D8



Original Peak Response = 347

M4 = Poor automated baseline construction.

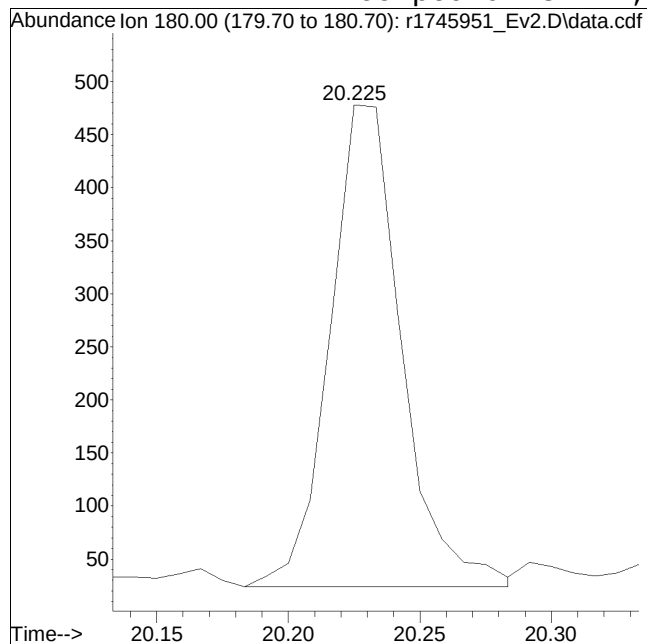


Manual Peak Response = 324 M4

Manual Integration Report

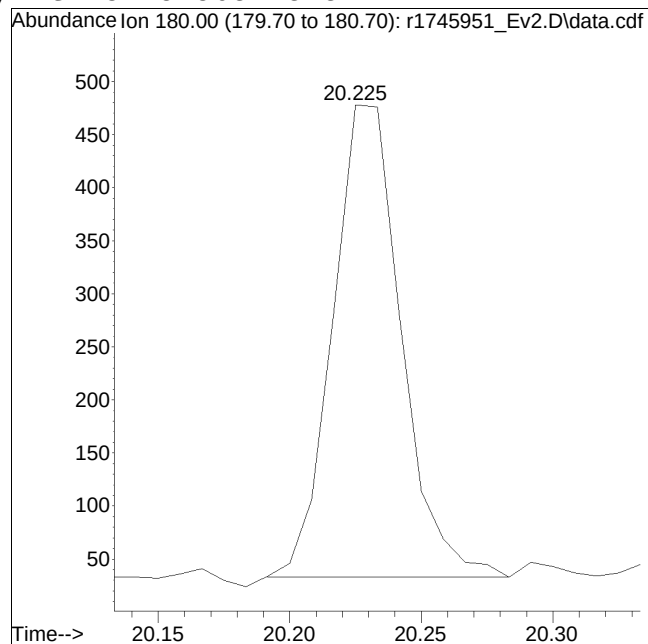
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745951_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 2:26 AM Instrument :
Sample : IT015-SIMSTD0.05 Quant Date : 12/23/2024 2:21 pm

Compound #82: 1,2,4-trichlorobenzene



Original Peak Response = 860

M4 = Poor automated baseline construction.



Manual Peak Response = 806 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745952_Ev2.D
 Acq On : 21 Dec 2024 3:04 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.1
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:37 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:37 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	174674	10.000	ppbV	0.00
Standard Area = 179491			Recovery =		97.32%	
33) 1,4-difluorobenzene	11.023	114	513908	10.000	ppbV	0.00
Standard Area = 530722			Recovery =		96.83%	
51) chlorobenzene-D5	15.783	54	65441	10.000	ppbV	0.00
Standard Area = 67250			Recovery =		97.31%	
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.783	65	127	0.012	ppbV	0.12
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.12%#	
53) toluene-D8	13.875	98	325	0.008	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.08%#	
67) bromofluorobenzene	17.183	95	701	0.024	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =		0.24%#	
Target Compounds						
					Qvalue	
2) propylene	3.802	41	1235M6	0.136	ppbV	
3) dichlorodifluoromethane	3.868	85	2443	0.128	ppbV	100
4) chloromethane	4.024	50	1291	0.133	ppbV	98
5) Freon-114	4.126	85	3007	0.124	ppbV	99
6) vinyl chloride	4.240	62	1122	0.114	ppbV	92
7) 1,3-butadiene	4.378	54	1018	0.117	ppbV	91
8) bromomethane	4.642	94	1086	0.122	ppbV	95
9) chloroethane	4.822	64	569	0.122	ppbV	97
10) ethanol	4.942	31	4490	0.658	ppbV	94
11) vinyl bromide	5.187	106	1112	0.118	ppbV	92
12) acrolein	5.313	56	576	0.127	ppbV #	56
13) acetone	5.453	43	11722	0.819	ppbV #	99
14) trichlorofluoromethane	5.630	101	2211	0.117	ppbV	90
15) isopropyl alcohol	5.720	45	6235	0.354	ppbV	99
16) acrylonitrile	5.943	53	895	0.118	ppbV	96
17) 1,1-dichloroethene	6.306	61	1616	0.115	ppbV	99
18) tertiary butyl alcohol	6.372	59	1458	0.106	ppbV #	84
19) methylene chloride	6.444	49	1804	0.145	ppbV	100
20) 3-chloropropene	6.570	41	1722	0.119	ppbV	96
21) carbon disulfide	6.744	76	3637	0.122	ppbV #	3
22) Freon 113	6.744	101	2497	0.118	ppbV	99
23) trans-1,2-dichloroethene	7.475	61	1606	0.113	ppbV	97
24) 1,1-dichloroethane	7.692	63	2099	0.116	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745952_Ev2.D
 Acq On : 21 Dec 2024 3:04 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.1
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:37 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:37 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.783	73	2838	0.117	ppbV	97
26) vinyl acetate	7.883	43	2561	0.121	ppbV	100
27) 2-butanone	8.150	43	3047	0.132	ppbV #	99
28) cis-1,2-dichloroethene	8.625	61	1539	0.113	ppbV	93
29) Ethyl Acetate	8.917	61	383	0.120	ppbV	69
30) chloroform	8.967	83	2194	0.115	ppbV	99
31) Tetrahydrofuran	9.425	42	1698	0.126	ppbV	97
32) 1,2-dichloroethane	9.792	62	1314	0.117	ppbV	100
34) hexane	8.883	57	1946	0.127	ppbV #	28
36) 1,1,1-trichloroethane	10.083	97	1860	0.115	ppbV	98
37) benzene	10.603	78	4222	0.115	ppbV	97
38) carbon tetrachloride	10.777	117	1603	0.111	ppbV #	94
39) cyclohexane	10.917	56	2080	0.127	ppbV	94
40) Dibromomethane	11.503	93	1366M4	0.116	ppbV	
41) 1,2-dichloropropane	11.543	63	1498	0.113	ppbV #	94
42) bromodichloromethane	11.770	83	1953	0.110	ppbV	92
43) 1,4-dioxane	11.830	88	746M4	0.101	ppbV	
44) trichloroethene	11.823	130	2107M4	0.113	ppbV	
45) 2,2,4-trimethylpentane	11.883	57	6311	0.127	ppbV	99
46) heptane	12.197	43	3068	0.130	ppbV	99
47) cis-1,3-dichloropropene	12.833	75	1659	0.104	ppbV	94
48) 4-methyl-2-pentanone	12.908	43	3216	0.116	ppbV	98
49) trans-1,3-dichloropropene	13.458	75	1155	0.101	ppbV #	86
50) 1,1,2-trichloroethane	13.658	97	1757	0.114	ppbV	95
52) toluene	13.992	91	5057	0.123	ppbV	99
54) 2-hexanone	14.317	43	2615	0.104	ppbV	99
55) dibromochloromethane	14.450	129	1825	0.102	ppbV	97
56) 1,2-dibromoethane	14.708	107	2276	0.106	ppbV	99
57) tetrachloroethene	15.183	166	1977	0.115	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.817	131	1536	0.104	ppbV	96
59) chlorobenzene	15.833	112	4121	0.113	ppbV	97
60) ethylbenzene	16.192	91	6078	0.112	ppbV	99
61) m+p-xylene	16.358	91	9592	0.223	ppbV	97
62) bromoform	16.417	173	1118	0.089	ppbV	97
63) styrene	16.683	104	3489	0.103	ppbV	97
64) 1,1,2,2-tetrachloroethane	16.775	83	3308	0.107	ppbV	99
65) o-xylene	16.775	91	4885	0.112	ppbV	97
66) 1,2,3-Trichloropropane	16.892	75	2505	0.109	ppbV	96
68) isopropylbenzene	17.300	105	5947	0.112	ppbV	100
69) Bromobenzene	17.375	77	3125	0.105	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745952_Ev2.D
 Acq On : 21 Dec 2024 3:04 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.1
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:37 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:37 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.867	105	5931	0.104	ppbV	97
71) 1,3,5-trimethylbenzene	17.925	105	5168	0.107	ppbV	100
72) tert-butylbenzene	18.275	119	5881	0.120	ppbV	100
73) 1,2,4-trimethylbenzene	18.275	105	5109	0.106	ppbV	93
74) Benzyl Chloride	18.392	91	1355	0.070	ppbV	99
75) 1,3-dichlorobenzene	18.408	146	3226	0.103	ppbV	99
76) 1,4-dichlorobenzene	18.467	146	3181	0.104	ppbV	98
77) sec-butylbenzene	18.500	105	7540	0.111	ppbV	98
78) p-isopropyltoluene	18.633	119	6673	0.113	ppbV	99
79) 1,2-dichlorobenzene	18.750	146	3282	0.107	ppbV	95
80) n-butylbenzene	18.975	91	5227	0.105	ppbV	95
81) 1,2-dibromo-3-chloropr...	19.117	75	801	0.087	ppbV #	87
82) 1,2,4-trichlorobenzene	20.225	180	1594	0.086	ppbV	95
83) naphthalene	20.342	128	4817	0.089	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	1448	0.087	ppbV	100
85) hexachlorobutadiene	20.658	225	1911	0.106	ppbV	98

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

Sub List : Default - All compounds listed2\1220SIM_I\r1745956_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\

Data File : r1745952_Ev2.D

Acq On : 21 Dec 2024 3:04 AM

Operator : AIRLAB17:BJB

Sample : IT015-SIMSTD0.1

Misc : WG2012831

ALS Vial : 0 Sample Multiplier: 1

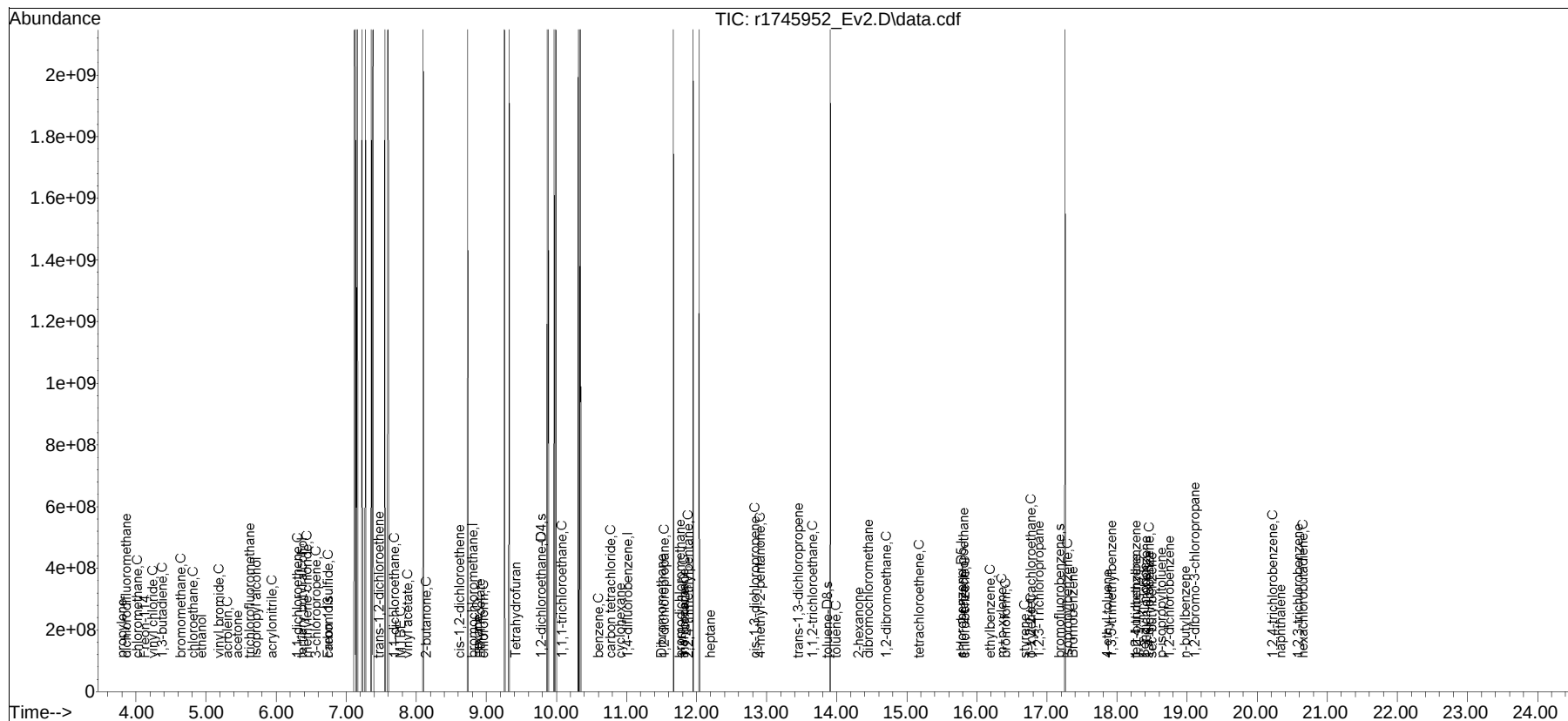
Quant Time: Dec 23 14:21:37 2024

Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M

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

QLast Update : Mon Dec 23 14:21:37 2024

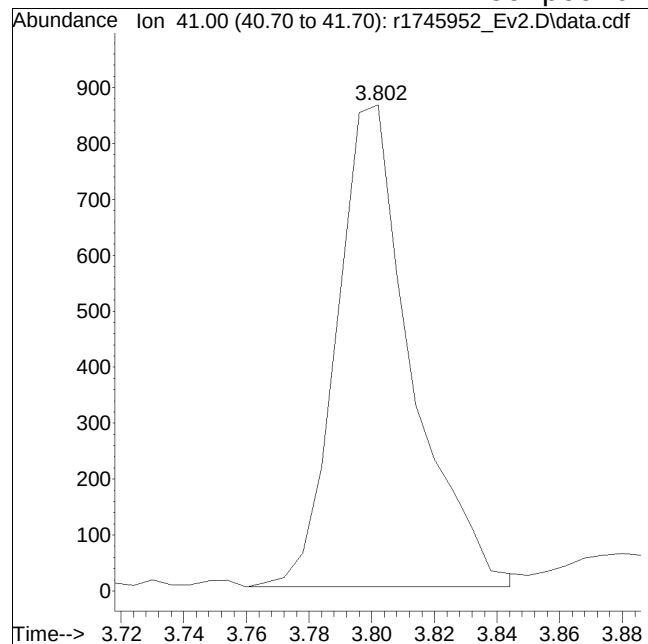
Response via : Initial Calibration



Manual Integration Report

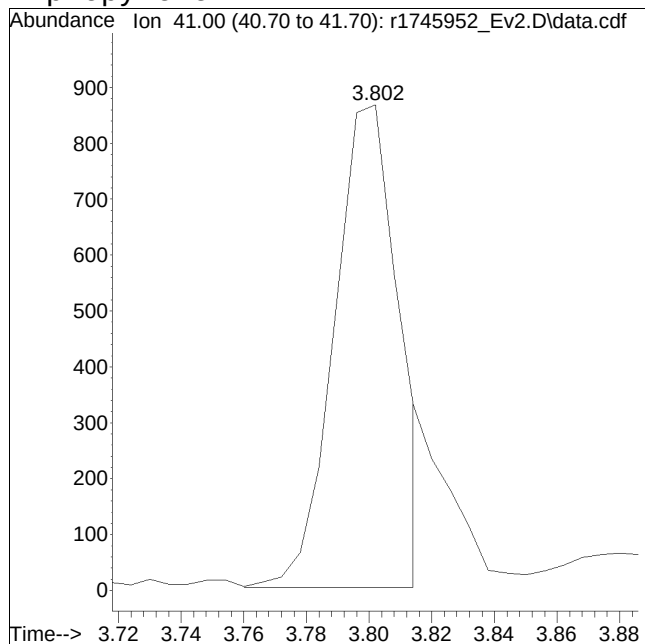
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Data File : r1745952_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:04 AM Instrument :
Sample : IT015-SIMSTD0.1 Quant Date : 12/23/2024 2:21 pm

Compound #2: propylene



Original Peak Response = 1433

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

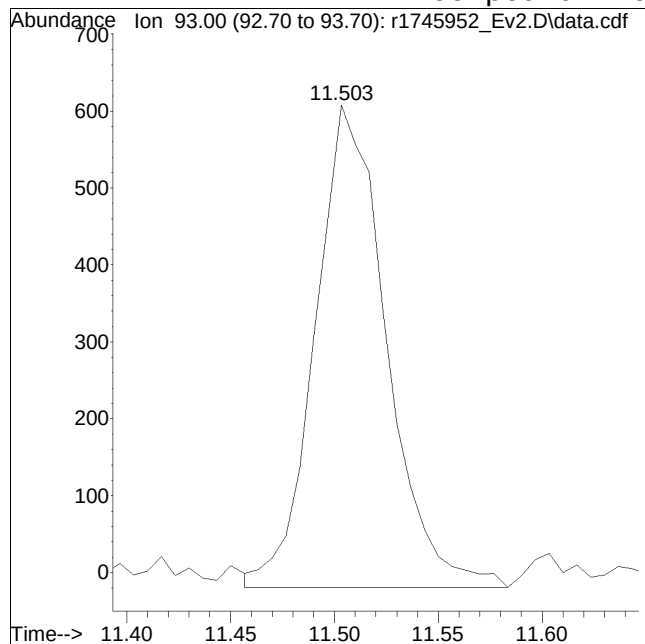


Manual Peak Response = 1235 M6

Manual Integration Report

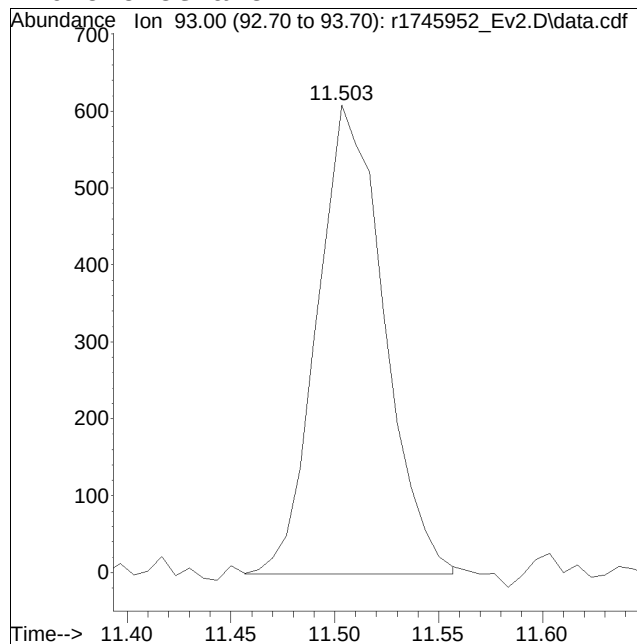
Data Path : X:\Airlab\Data\Airlab17\2000Method : TSIM17_241220.M
Data File : r1745952_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:04 AM Instrument :
Sample : IT015-SIMSTD0.1 Quant Date : 12/23/2024 2:21 pm

Compound #40: Dibromomethane



Original Peak Response = 1491

M4 = Poor automated baseline construction.

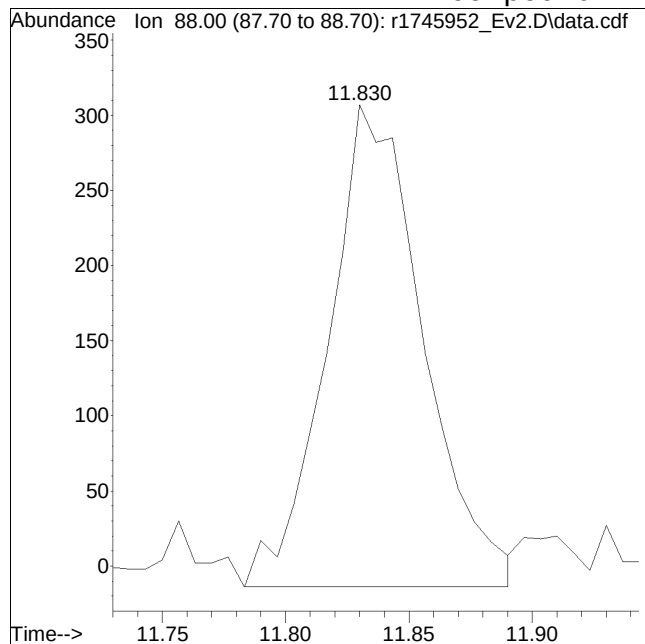


Manual Peak Response = 1366 M4

Manual Integration Report

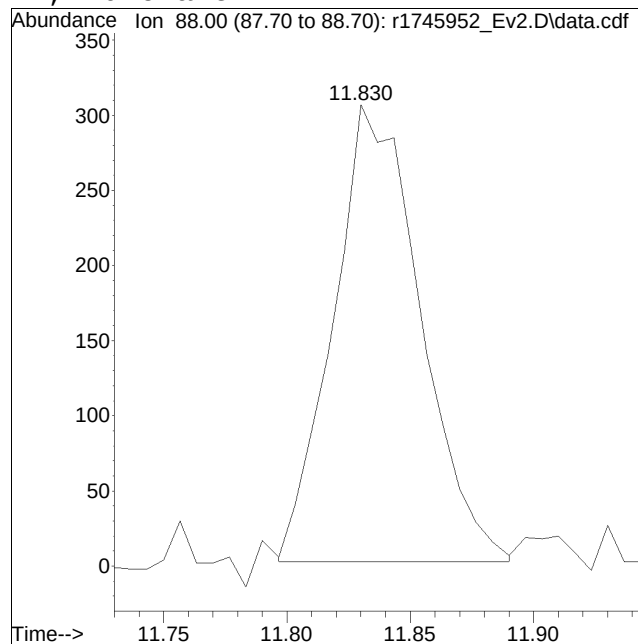
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Data File : r1745952_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:04 AM Instrument :
Sample : IT015-SIMSTD0.1 Quant Date : 12/23/2024 2:21 pm

Compound #43: 1,4-dioxane



Original Peak Response = 862

M4 = Poor automated baseline construction.

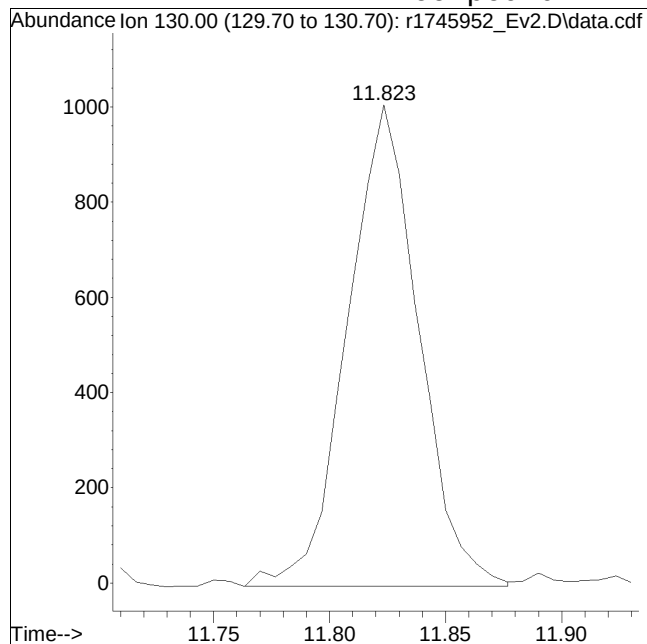


Manual Peak Response = 746 M4

Manual Integration Report

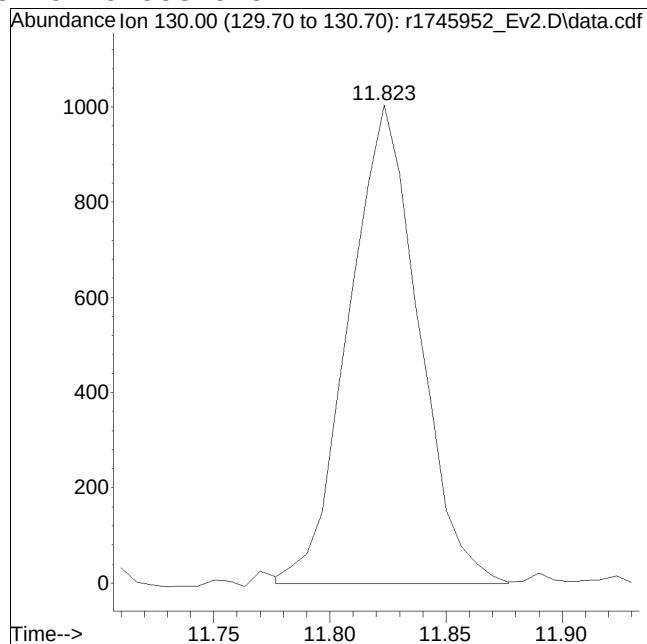
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Data File : r1745952_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:04 AM Instrument :
Sample : IT015-SIMSTD0.1 Quant Date : 12/23/2024 2:21 pm

Compound #44: trichloroethene



Original Peak Response = 2158

M4 = Poor automated baseline construction.



Manual Peak Response = 2107 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745953_Ev2.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:50 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:50 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	180119	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	100.35%		
33) 1,4-difluorobenzene	11.023	114	529922	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	99.85%		
51) chlorobenzene-D5	15.783	54	68506	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	101.87%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	116810	10.267	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.67%		
53) toluene-D8	13.875	98	434362	10.019	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.19%		
67) bromofluorobenzene	17.183	95	303935	9.985	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.85%		
Target Compounds					Qvalue	
2) propylene	3.796	41	1921M6	0.205	ppbV	
3) dichlorodifluoromethane	3.868	85	4262	0.217	ppbV	98
4) chloromethane	4.024	50	2209	0.220	ppbV	96
5) Freon-114	4.126	85	5053	0.202	ppbV	97
6) vinyl chloride	4.240	62	1917	0.189	ppbV	94
7) 1,3-butadiene	4.372	54	1685	0.188	ppbV	85
8) bromomethane	4.642	94	1800	0.196	ppbV	100
9) chloroethane	4.822	64	942	0.195	ppbV	94
10) ethanol	4.942	31	7826	1.112	ppbV	94
11) vinyl bromide	5.183	106	2001	0.206	ppbV	98
12) acrolein	5.307	56	863	0.185	ppbV	91
13) acetone	5.450	43	16918	1.146	ppbV #	100
14) trichlorofluoromethane	5.630	101	3808	0.195	ppbV	98
15) isopropyl alcohol	5.717	45	9070	0.499	ppbV #	97
16) acrylonitrile	5.937	53	1508	0.193	ppbV	94
17) 1,1-dichloroethene	6.306	61	2859	0.198	ppbV	98
18) tertiary butyl alcohol	6.360	59	2737	0.192	ppbV	95
19) methylene chloride	6.444	49	2931	0.229	ppbV	99
20) 3-chloropropene	6.570	41	2938	0.197	ppbV	96
21) carbon disulfide	6.738	76	6223	0.202	ppbV #	43
22) Freon 113	6.744	101	4379	0.201	ppbV	99
23) trans-1,2-dichloroethene	7.475	61	2870	0.195	ppbV	96
24) 1,1-dichloroethane	7.692	63	3574	0.191	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745953_Ev2.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:50 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:50 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.775	73	4672	0.187	ppbV	95
26) vinyl acetate	7.875	43	4309M4	0.197	ppbV	
27) 2-butanone	8.142	43	4949	0.208	ppbV #	97
28) cis-1,2-dichloroethene	8.625	61	2717M4	0.194	ppbV	
29) Ethyl Acetate	8.908	61	658	0.200	ppbV	59
30) chloroform	8.967	83	3839	0.194	ppbV	98
31) Tetrahydrofuran	9.417	42	2734	0.197	ppbV	95
32) 1,2-dichloroethane	9.792	62	2439	0.211	ppbV	95
34) hexane	8.883	57	3210	0.203	ppbV #	52
36) 1,1,1-trichloroethane	10.083	97	3091	0.185	ppbV	96
37) benzene	10.597	78	7428	0.197	ppbV	97
38) carbon tetrachloride	10.770	117	2539	0.170	ppbV	91
39) cyclohexane	10.917	56	3485	0.206	ppbV	98
40) Dibromomethane	11.510	93	2452	0.203	ppbV #	99
41) 1,2-dichloropropane	11.543	63	2566M4	0.187	ppbV	
42) bromodichloromethane	11.763	83	3368	0.184	ppbV	96
43) 1,4-dioxane	11.823	88	1506M4	0.198	ppbV	
44) trichloroethene	11.823	130	3864	0.202	ppbV	97
45) 2,2,4-trimethylpentane	11.877	57	10623	0.207	ppbV	97
46) heptane	12.190	43	4987	0.206	ppbV	96
47) cis-1,3-dichloropropene	12.833	75	2943	0.178	ppbV	91
48) 4-methyl-2-pentanone	12.892	43	5510	0.192	ppbV	97
49) trans-1,3-dichloropropene	13.458	75	2026	0.172	ppbV	91
50) 1,1,2-trichloroethane	13.658	97	3048	0.192	ppbV	98
52) toluene	13.992	91	8590	0.199	ppbV	100
54) 2-hexanone	14.308	43	4910	0.186	ppbV	99
55) dibromochloromethane	14.450	129	3206	0.172	ppbV	96
56) 1,2-dibromoethane	14.708	107	4129	0.183	ppbV	98
57) tetrachloroethene	15.183	166	3351	0.187	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.817	131	2730	0.176	ppbV	98
59) chlorobenzene	15.833	112	7312	0.191	ppbV	98
60) ethylbenzene	16.183	91	10749	0.189	ppbV	99
61) m+p-xylene	16.358	91	17160	0.381	ppbV	98
62) bromoform	16.417	173	2061	0.157	ppbV	95
63) styrene	16.683	104	6396	0.180	ppbV	99
64) 1,1,2,2-tetrachloroethane	16.775	83	5813	0.180	ppbV	99
65) o-xylene	16.775	91	8665	0.191	ppbV	98
66) 1,2,3-Trichloropropane	16.892	75	4504	0.188	ppbV	99
68) isopropylbenzene	17.300	105	10888	0.196	ppbV	99
69) Bromobenzene	17.367	77	5841	0.188	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745953_Ev2.D
 Acq On : 21 Dec 2024 3:40 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.2
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:21:50 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:21:50 2024
 Response via : Initial Calibration

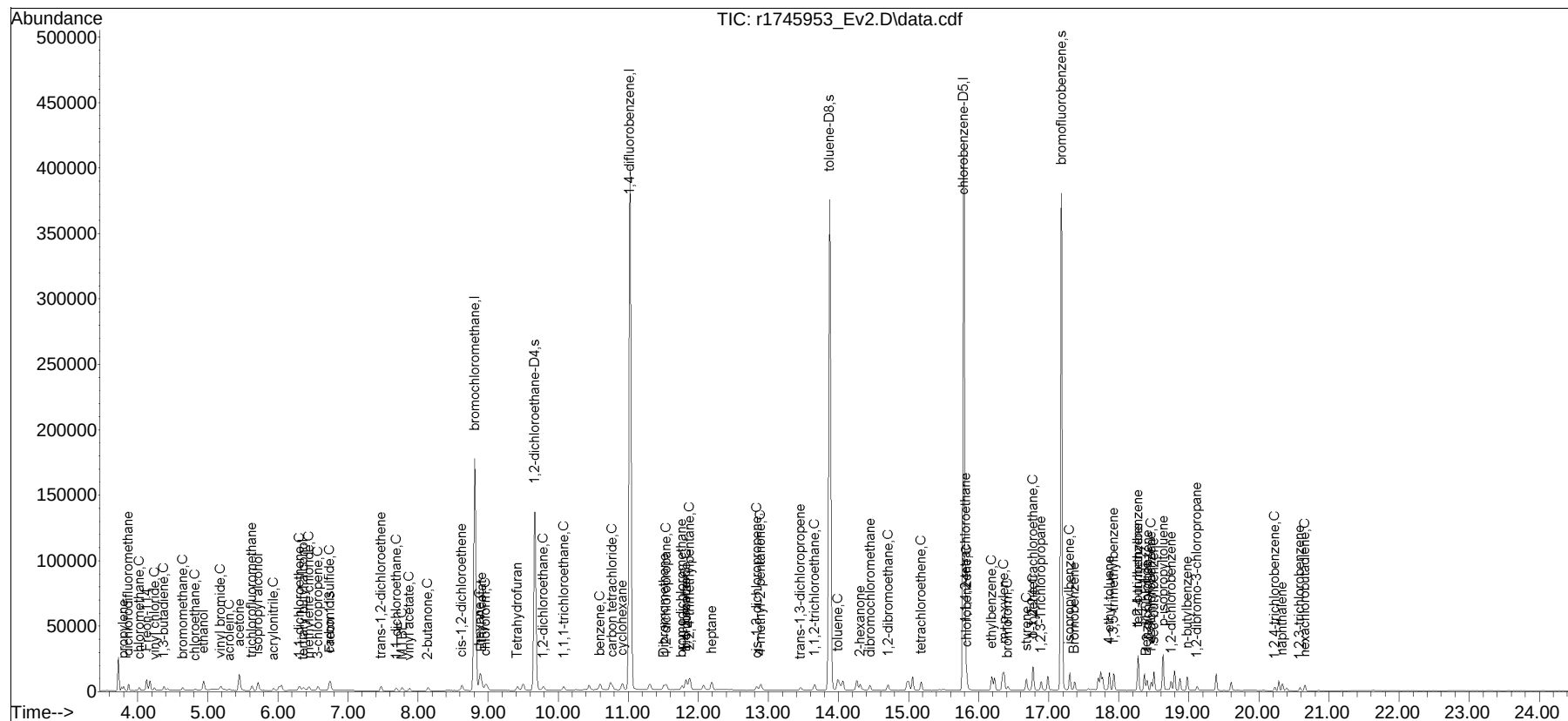
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.867	105	11022	0.185	ppbV	97
71) 1,3,5-trimethylbenzene	17.925	105	9293	0.185	ppbV	99
72) tert-butylbenzene	18.275	119	10328	0.201	ppbV	98
73) 1,2,4-trimethylbenzene	18.275	105	9154	0.182	ppbV	92
74) Benzyl Chloride	18.392	91	2470	0.122	ppbV	99
75) 1,3-dichlorobenzene	18.408	146	6122	0.186	ppbV	98
76) 1,4-dichlorobenzene	18.467	146	5916	0.184	ppbV	99
77) sec-butylbenzene	18.500	105	13698	0.193	ppbV	100
78) p-isopropyltoluene	18.633	119	12600	0.203	ppbV	98
79) 1,2-dichlorobenzene	18.750	146	5962	0.186	ppbV	93
80) n-butylbenzene	18.975	91	9936	0.190	ppbV	96
81) 1,2-dibromo-3-chloropr...	19.117	75	1429	0.149	ppbV #	89
82) 1,2,4-trichlorobenzene	20.225	180	2983	0.154	ppbV	95
83) naphthalene	20.333	128	8849	0.157	ppbV	98
84) 1,2,3-trichlorobenzene	20.583	180	2793	0.161	ppbV	95
85) hexachlorobutadiene	20.658	225	3576	0.189	ppbV	96

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


```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745953_Ev2.D
Acq On    : 21 Dec 2024   3:40 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.2
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

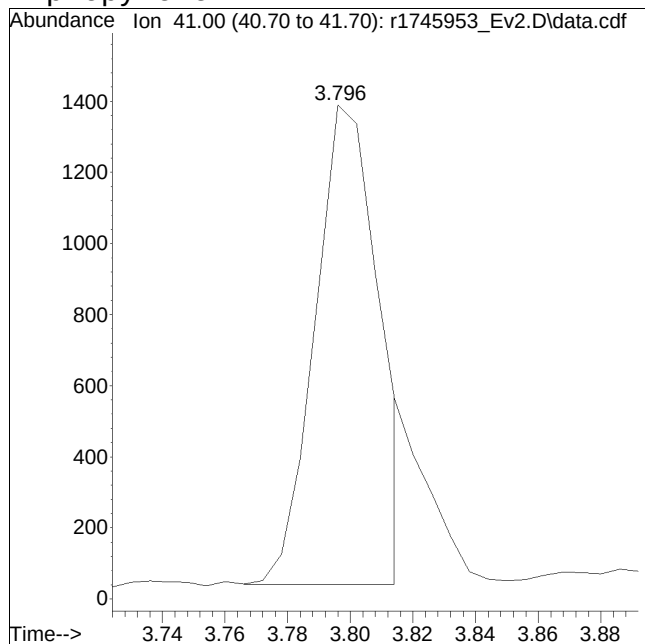
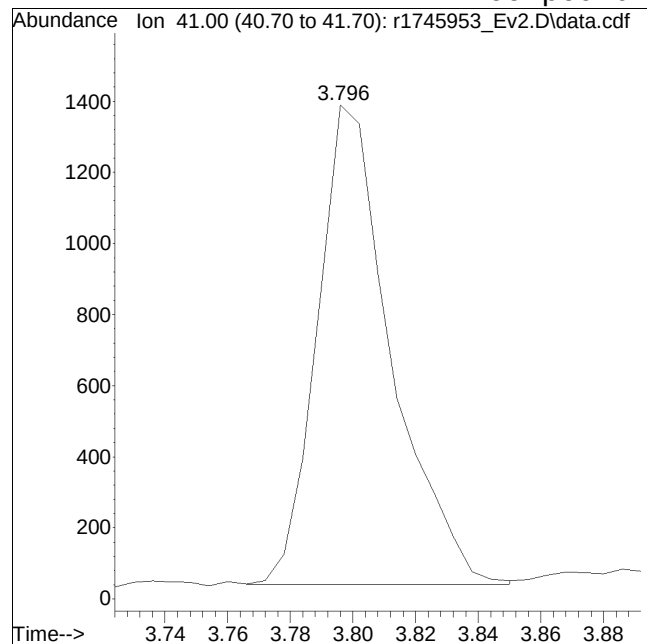
Quant Time: Dec 23 14:21:50 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:21:50 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745953_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/23/2024 2:21 pm

Compound #2: propylene



Original Peak Response = 2210

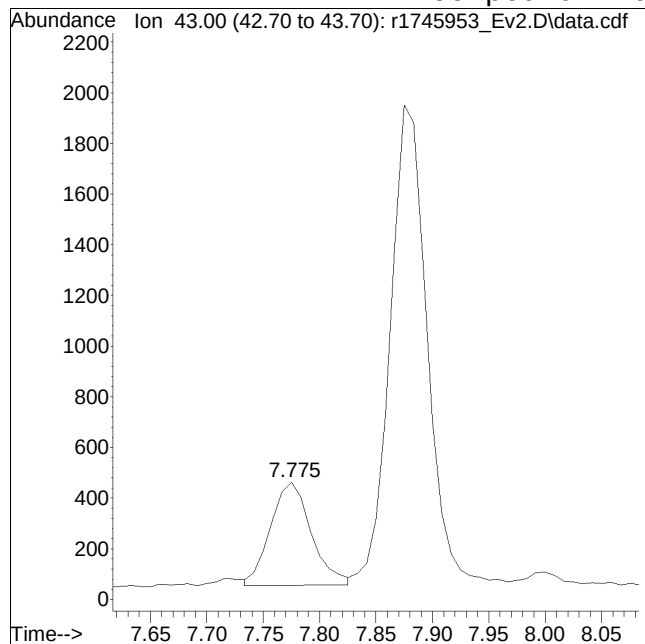
Manual Peak Response = 1921 M6

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

Manual Integration Report

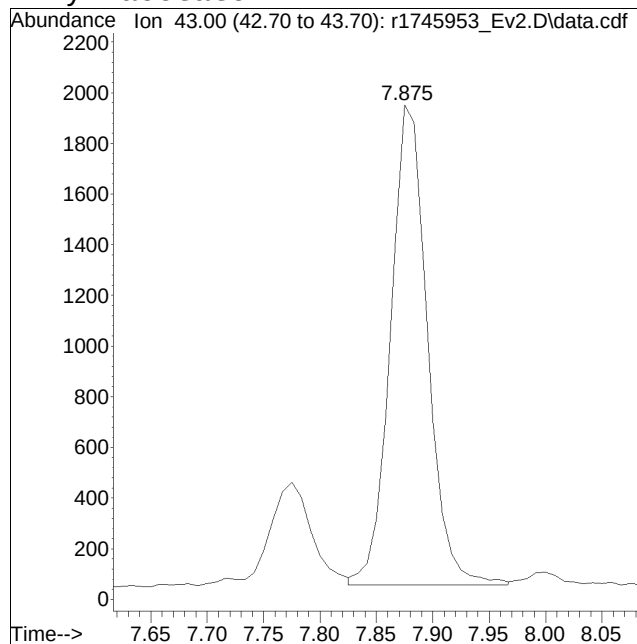
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745953_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/23/2024 2:21 pm

Compound #26: vinyl acetate



Original Peak Response = 1021

M4 = Poor automated baseline construction.

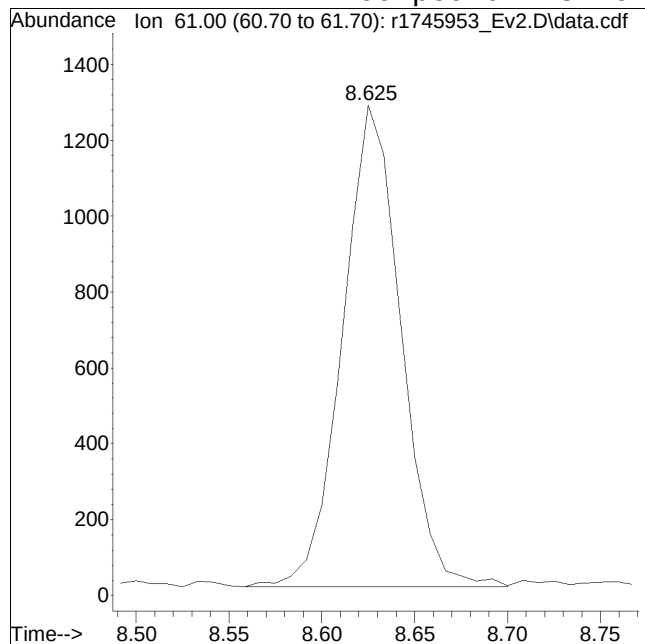


Manual Peak Response = 4309 M4

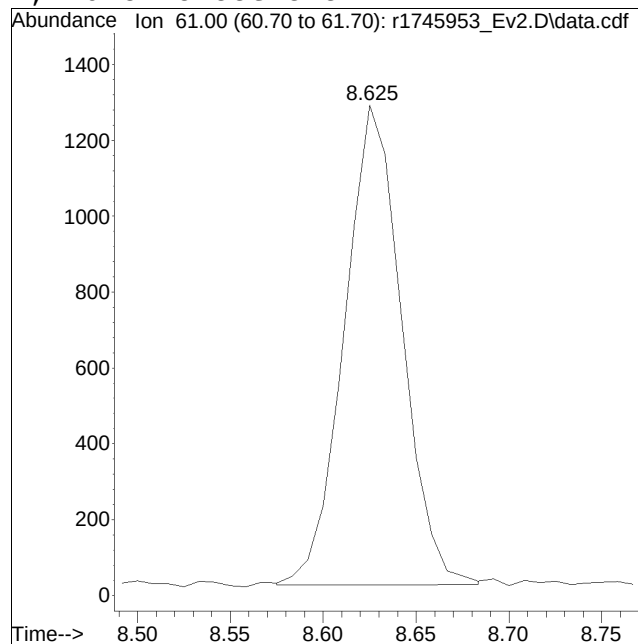
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745953_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/23/2024 2:21 pm

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 2775



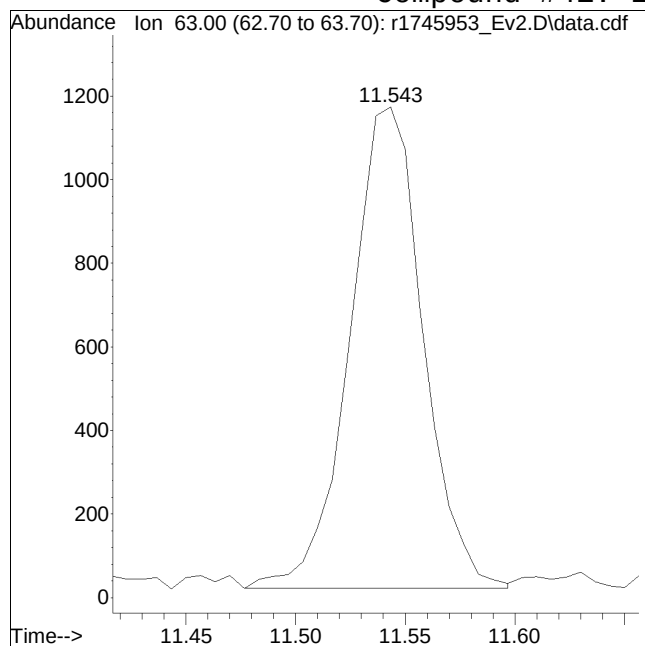
Manual Peak Response = 2717 M4

M4 = Poor automated baseline construction.

Manual Integration Report

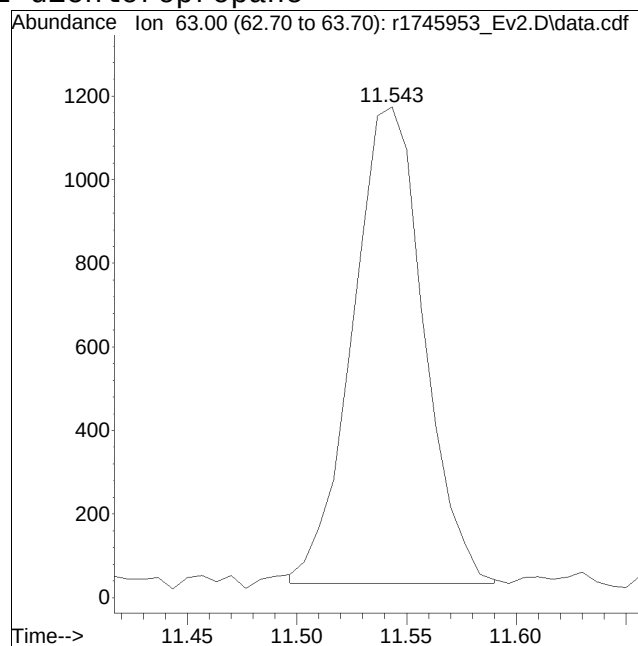
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745953_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/23/2024 2:21 pm

Compound #41: 1,2-dichloropropane



Original Peak Response = 2677

M4 = Poor automated baseline construction.

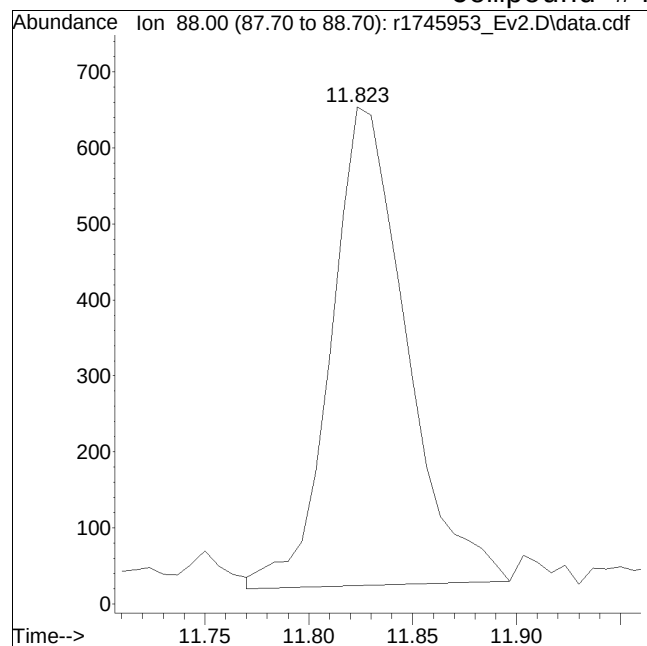


Manual Peak Response = 2566 M4

Manual Integration Report

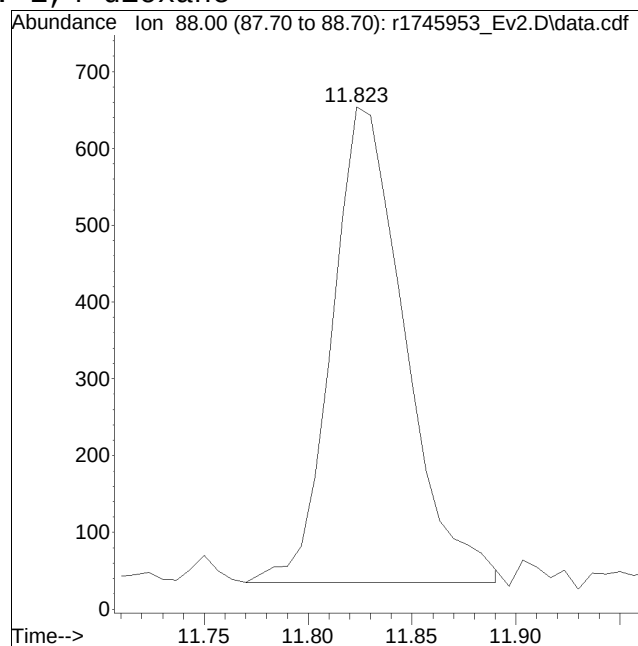
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745953_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 3:40 AM Instrument :
Sample : IT015-SIMSTD0.2 Quant Date : 12/23/2024 2:21 pm

Compound #43: 1,4-dioxane



Original Peak Response = 1580

M4 = Poor automated baseline construction.



Manual Peak Response = 1506 M4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745954_Ev2.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:02 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	179542	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	100.03%		
33) 1,4-difluorobenzene	11.023	114	528400	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	99.56%		
51) chlorobenzene-D5	15.783	54	67551	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	100.45%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	115487	10.180	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.80%		
53) toluene-D8	13.875	98	424636	9.933	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.33%		
67) bromofluorobenzene	17.175	95	299228	9.969	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.69%		
Target Compounds						
					Qvalue	
2) propylene	3.796	41	4911M6	0.526	ppbV	
3) dichlorodifluoromethane	3.868	85	11126	0.568	ppbV	99
4) chloromethane	4.024	50	5714	0.571	ppbV	99
5) Freon-114	4.126	85	13483	0.541	ppbV	100
6) vinyl chloride	4.240	62	5215	0.516	ppbV	98
7) 1,3-butadiene	4.378	54	4476	0.500	ppbV	98
8) bromomethane	4.642	94	4767	0.520	ppbV	100
9) chloroethane	4.822	64	2461	0.512	ppbV	99
10) ethanol	4.936	31	20712	2.952	ppbV	99
11) vinyl bromide	5.183	106	5124	0.530	ppbV	96
12) acrolein	5.307	56	2111	0.454	ppbV #	91
13) acetone	5.447	43	43164	2.933	ppbV	99
14) trichlorofluoromethane	5.630	101	10463	0.536	ppbV	100
15) isopropyl alcohol	5.713	45	23877	1.317	ppbV	100
16) acrylonitrile	5.940	53	4178	0.535	ppbV	98
17) 1,1-dichloroethene	6.306	61	7353	0.510	ppbV	99
18) tertiary butyl alcohol	6.354	59	7188	0.506	ppbV	94
19) methylene chloride	6.444	49	7233	0.567	ppbV	98
20) 3-chloropropene	6.570	41	7854	0.528	ppbV	98
21) carbon disulfide	6.744	76	16550	0.540	ppbV #	82
22) Freon 113	6.744	101	11490	0.529	ppbV	99
23) trans-1,2-dichloroethene	7.475	61	7610	0.519	ppbV	98
24) 1,1-dichloroethane	7.692	63	9517	0.511	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745954_Ev2.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:02 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.767	73	12536	0.504	ppbV	98
26) vinyl acetate	7.875	43	11339	0.521	ppbV	100
27) 2-butanone	8.133	43	13043	0.549	ppbV	99
28) cis-1,2-dichloroethene	8.625	61	7040	0.505	ppbV	94
29) Ethyl Acetate	8.908	61	1688	0.515	ppbV	74
30) chloroform	8.967	83	9992	0.508	ppbV	99
31) Tetrahydrofuran	9.408	42	7398	0.535	ppbV	99
32) 1,2-dichloroethane	9.792	62	5955	0.516	ppbV	99
34) hexane	8.883	57	8506	0.540	ppbV #	66
36) 1,1,1-trichloroethane	10.083	97	8313	0.498	ppbV	97
37) benzene	10.603	78	18794	0.499	ppbV	100
38) carbon tetrachloride	10.777	117	7073	0.476	ppbV	100
39) cyclohexane	10.917	56	9147	0.541	ppbV	98
40) Dibromomethane	11.510	93	6284	0.521	ppbV #	99
41) 1,2-dichloropropane	11.543	63	6794	0.496	ppbV	97
42) bromodichloromethane	11.770	83	8962	0.491	ppbV	97
43) 1,4-dioxane	11.817	88	3813	0.502	ppbV	97
44) trichloroethene	11.823	130	9862	0.516	ppbV	98
45) 2,2,4-trimethylpentane	11.877	57	28140	0.550	ppbV	99
46) heptane	12.190	43	13315	0.550	ppbV	99
47) cis-1,3-dichloropropene	12.833	75	7985	0.485	ppbV	97
48) 4-methyl-2-pentanone	12.883	43	15143	0.530	ppbV	98
49) trans-1,3-dichloropropene	13.458	75	5549	0.472	ppbV	95
50) 1,1,2-trichloroethane	13.658	97	8101	0.512	ppbV	100
52) toluene	13.992	91	22540	0.529	ppbV	100
54) 2-hexanone	14.300	43	13429	0.516	ppbV	99
55) dibromochloromethane	14.450	129	9060	0.493	ppbV	99
56) 1,2-dibromoethane	14.708	107	11136	0.501	ppbV	98
57) tetrachloroethene	15.183	166	8912	0.504	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.817	131	7450	0.487	ppbV	99
59) chlorobenzene	15.833	112	19339	0.512	ppbV	99
60) ethylbenzene	16.183	91	28728	0.512	ppbV	98
61) m+p-xylene	16.358	91	45966	1.036	ppbV	98
62) bromoform	16.417	173	5842	0.450	ppbV	99
63) styrene	16.683	104	17367	0.496	ppbV	98
64) 1,1,2,2-tetrachloroethane	16.775	83	15653	0.492	ppbV	98
65) o-xylene	16.775	91	23128	0.516	ppbV	98
66) 1,2,3-Trichloropropane	16.892	75	11863	0.501	ppbV	99
68) isopropylbenzene	17.300	105	29298	0.536	ppbV	100
69) Bromobenzene	17.367	77	15635	0.511	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745954_Ev2.D
 Acq On : 21 Dec 2024 4:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD0.5
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:02 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:02 2024
 Response via : Initial Calibration

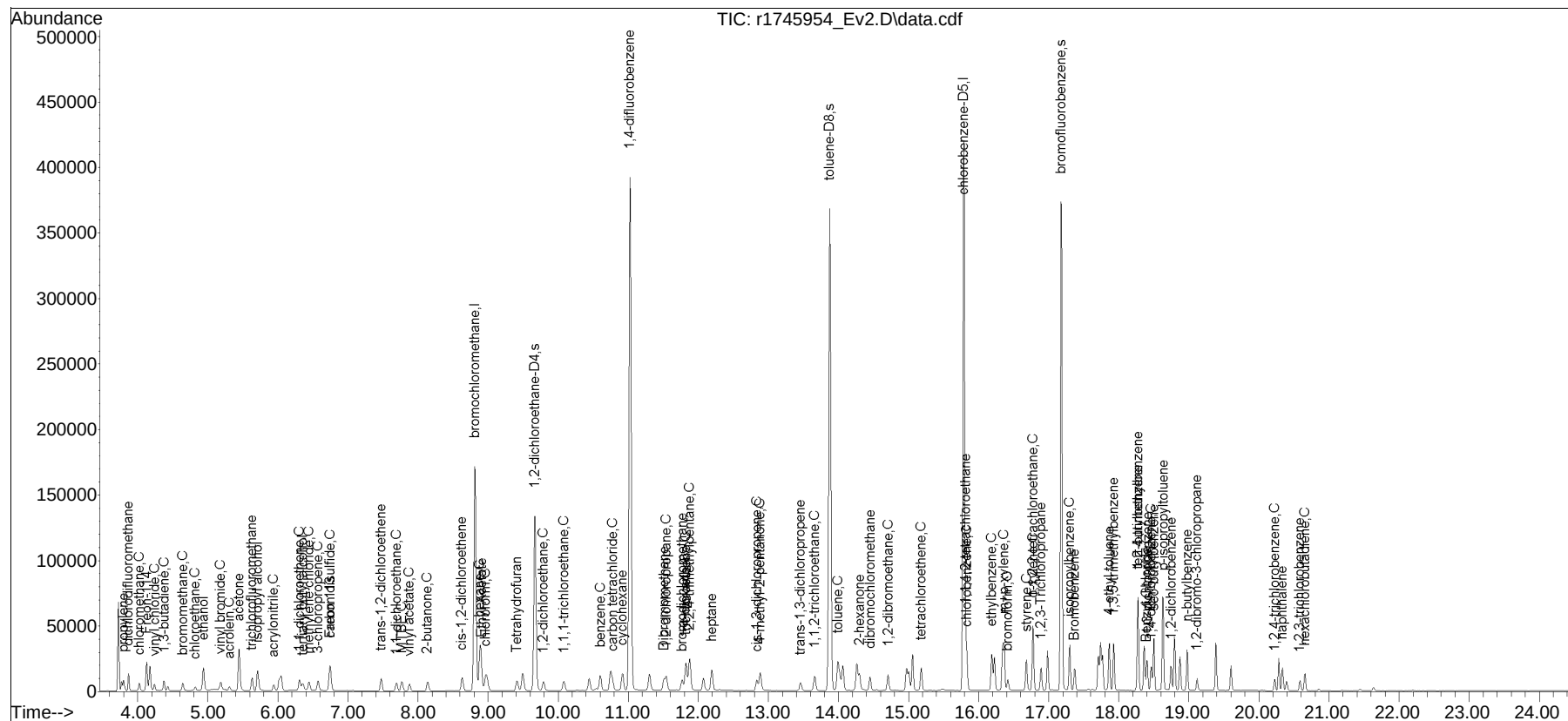
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.867	105	29795	0.507	ppbV	96
71) 1,3,5-trimethylbenzene	17.925	105	25138	0.506	ppbV	99
72) tert-butylbenzene	18.275	119	27805	0.548	ppbV	99
73) 1,2,4-trimethylbenzene	18.275	105	25374	0.512	ppbV	94
74) Benzyl Chloride	18.392	91	7456	0.374	ppbV	100
75) 1,3-dichlorobenzene	18.408	146	16910	0.521	ppbV	97
76) 1,4-dichlorobenzene	18.467	146	16612	0.525	ppbV	98
77) sec-butylbenzene	18.500	105	37464	0.536	ppbV	99
78) p-isopropyltoluene	18.633	119	33780	0.552	ppbV	98
79) 1,2-dichlorobenzene	18.750	146	16362	0.517	ppbV	91
80) n-butylbenzene	18.975	91	27927	0.542	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.117	75	4294	0.454	ppbV	93
82) 1,2,4-trichlorobenzene	20.225	180	8968	0.470	ppbV	98
83) naphthalene	20.333	128	26929	0.484	ppbV	100
84) 1,2,3-trichlorobenzene	20.583	180	8320	0.485	ppbV	97
85) hexachlorobutadiene	20.658	225	10136	0.542	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745954_Ev2.D
Acq On    : 21 Dec 2024   4:18 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD0.5
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

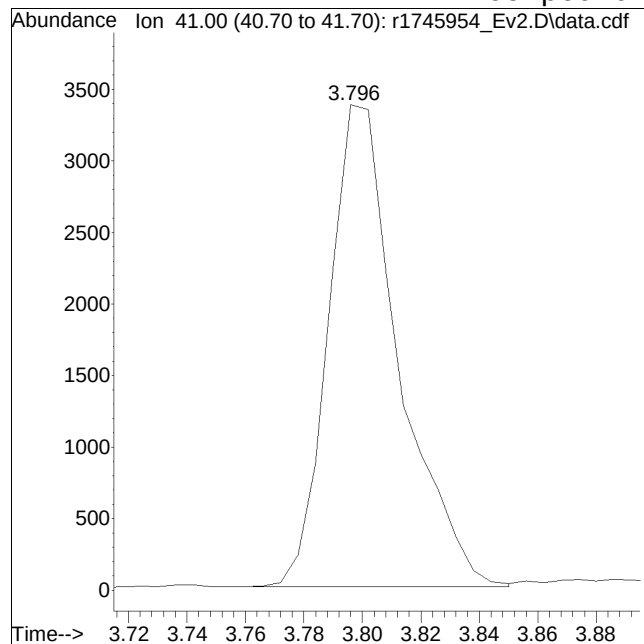
Quant Time: Dec 23 14:22:02 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:22:02 2024
Response via : Initial Calibration



Manual Integration Report

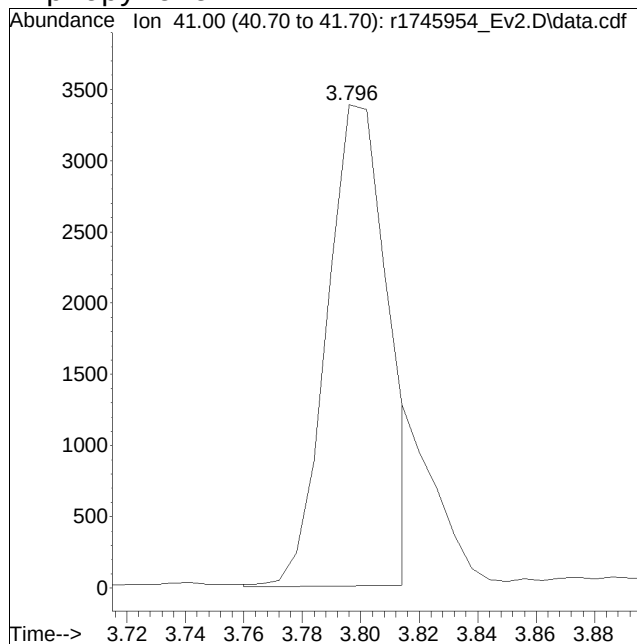
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745954_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:18 AM Instrument :
Sample : IT015-SIMSTD0.5 Quant Date : 12/23/2024 2:22 pm

Compound #2: propylene



Original Peak Response = 5639

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



Manual Peak Response = 4911 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745955_Ev2.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:14 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:14 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	178247	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	99.31%		
33) 1,4-difluorobenzene	11.023	114	527510	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	99.39%		
51) chlorobenzene-D5	15.783	54	67671	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	100.63%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	116785	10.311	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.11%		
53) toluene-D8	13.875	98	431460	10.074	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.74%		
67) bromofluorobenzene	17.175	95	304510	10.127	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.27%		
Target Compounds						
					Qvalue	
2) propylene	3.796	41	9770M6	1.054	ppbV	
3) dichlorodifluoromethane	3.868	85	22155	1.140	ppbV	99
4) chloromethane	4.024	50	11397	1.148	ppbV	98
5) Freon-114	4.126	85	27151	1.097	ppbV	100
6) vinyl chloride	4.240	62	10481	1.044	ppbV	100
7) 1,3-butadiene	4.372	54	9063	1.020	ppbV	96
8) bromomethane	4.642	94	9471	1.042	ppbV	100
9) chloroethane	4.822	64	4910	1.029	ppbV	98
10) ethanol	4.936	31	42366	6.083	ppbV	99
11) vinyl bromide	5.183	106	10113	1.054	ppbV	98
12) acrolein	5.307	56	4722	1.023	ppbV	92
13) acetone	5.443	43	86238	5.903	ppbV	99
14) trichlorofluoromethane	5.630	101	21095	1.090	ppbV	98
15) isopropyl alcohol	5.707	45	47395	2.633	ppbV	99
16) acrylonitrile	5.940	53	8452	1.091	ppbV	98
17) 1,1-dichloroethene	6.306	61	14995	1.047	ppbV	98
18) tertiary butyl alcohol	6.348	59	15025	1.066	ppbV	99
19) methylene chloride	6.444	49	14264	1.127	ppbV	99
20) 3-chloropropene	6.570	41	16002	1.083	ppbV	99
21) carbon disulfide	6.738	76	33798	1.111	ppbV #	91
22) Freon 113	6.744	101	23087	1.071	ppbV	100
23) trans-1,2-dichloroethene	7.475	61	15325	1.052	ppbV	96
24) 1,1-dichloroethane	7.692	63	19424	1.051	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745955_Ev2.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:14 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:14 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.767	73	25561	1.036	ppbV	99
26) vinyl acetate	7.875	43	23695	1.096	ppbV	99
27) 2-butanone	8.133	43	27105	1.150	ppbV	98
28) cis-1,2-dichloroethene	8.625	61	14595	1.055	ppbV	93
29) Ethyl Acetate	8.900	61	3683	1.133	ppbV	98
30) chloroform	8.967	83	20360	1.042	ppbV	99
31) Tetrahydrofuran	9.400	42	15428	1.124	ppbV	100
32) 1,2-dichloroethane	9.792	62	12031	1.049	ppbV	99
34) hexane	8.883	57	17524	1.114	ppbV	82
36) 1,1,1-trichloroethane	10.083	97	17146	1.028	ppbV	99
37) benzene	10.603	78	38944	1.036	ppbV	99
38) carbon tetrachloride	10.777	117	14955	1.007	ppbV	98
39) cyclohexane	10.917	56	18623	1.104	ppbV	97
40) Dibromomethane	11.503	93	12834	1.065	ppbV #	99
41) 1,2-dichloropropane	11.543	63	13850	1.013	ppbV	99
42) bromodichloromethane	11.770	83	19021	1.044	ppbV	99
43) 1,4-dioxane	11.817	88	7452	0.982	ppbV	98
44) trichloroethene	11.823	130	20202	1.058	ppbV	99
45) 2,2,4-trimethylpentane	11.877	57	57024	1.116	ppbV	99
46) heptane	12.190	43	27372	1.133	ppbV	100
47) cis-1,3-dichloropropene	12.833	75	16937	1.031	ppbV	99
48) 4-methyl-2-pentanone	12.875	43	31653	1.109	ppbV	100
49) trans-1,3-dichloropropene	13.458	75	11917	1.016	ppbV	97
50) 1,1,2-trichloroethane	13.658	97	16554	1.047	ppbV	100
52) toluene	13.992	91	46322	1.085	ppbV	100
54) 2-hexanone	14.292	43	28671	1.101	ppbV	100
55) dibromochloromethane	14.450	129	19446	1.056	ppbV	100
56) 1,2-dibromoethane	14.708	107	23318	1.046	ppbV	100
57) tetrachloroethene	15.183	166	18373	1.038	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.817	131	16068	1.049	ppbV	99
59) chlorobenzene	15.833	112	39864	1.053	ppbV	98
60) ethylbenzene	16.183	91	59868	1.066	ppbV	99
61) m+p-xylene	16.350	91	95303	2.143	ppbV	98
62) bromoform	16.417	173	12902	0.992	ppbV	99
63) styrene	16.683	104	37265	1.062	ppbV	99
64) 1,1,2,2-tetrachloroethane	16.775	83	33144	1.041	ppbV	99
65) o-xylene	16.775	91	48139	1.072	ppbV	98
66) 1,2,3-Trichloropropane	16.892	75	24818	1.046	ppbV	99
68) isopropylbenzene	17.300	105	60850	1.110	ppbV	100
69) Bromobenzene	17.367	77	32699	1.067	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745955_Ev2.D
 Acq On : 21 Dec 2024 4:58 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD1.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:22:14 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:22:14 2024
 Response via : Initial Calibration

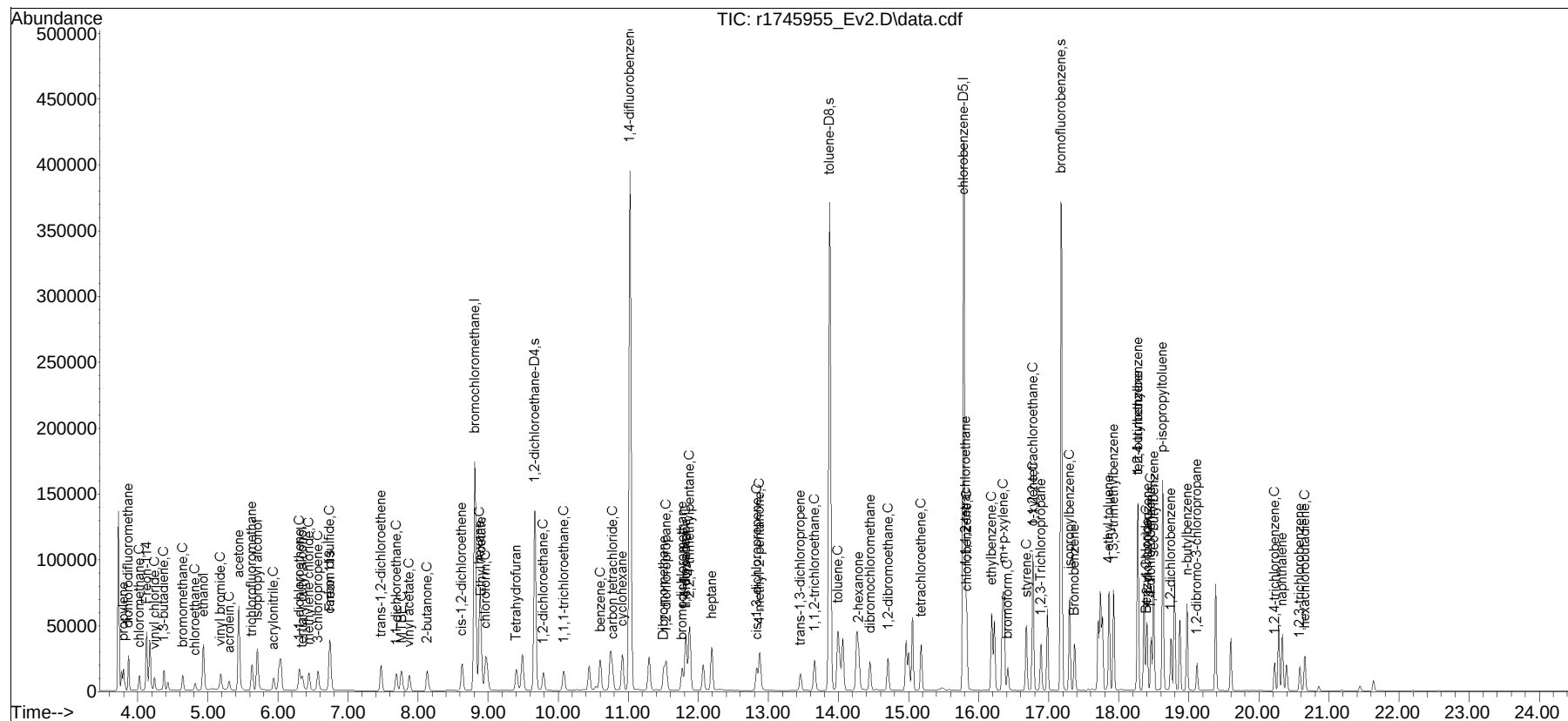
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.858	105	62892	1.068	ppbV	99
71) 1,3,5-trimethylbenzene	17.925	105	53336	1.072	ppbV	99
72) tert-butylbenzene	18.275	119	58362	1.148	ppbV	99
73) 1,2,4-trimethylbenzene	18.275	105	53889	1.085	ppbV	97
74) Benzyl Chloride	18.392	91	18313	0.917	ppbV	98
75) 1,3-dichlorobenzene	18.408	146	35996	1.106	ppbV	96
76) 1,4-dichlorobenzene	18.458	146	35719	1.128	ppbV	96
77) sec-butylbenzene	18.500	105	79150	1.131	ppbV	97
78) p-isopropyltoluene	18.625	119	72334	1.180	ppbV	98
79) 1,2-dichlorobenzene	18.742	146	34726	1.094	ppbV	100
80) n-butylbenzene	18.975	91	60136	1.166	ppbV	100
81) 1,2-dibromo-3-chloropr...	19.117	75	9905	1.044	ppbV	95
82) 1,2,4-trichlorobenzene	20.225	180	21288	1.114	ppbV	99
83) naphthalene	20.333	128	64969	1.165	ppbV	100
84) 1,2,3-trichlorobenzene	20.583	180	19934	1.160	ppbV	99
85) hexachlorobutadiene	20.658	225	21608	1.154	ppbV	97

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745955_Ev2.D
Acq On    : 21 Dec 2024   4:58 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD1.0
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
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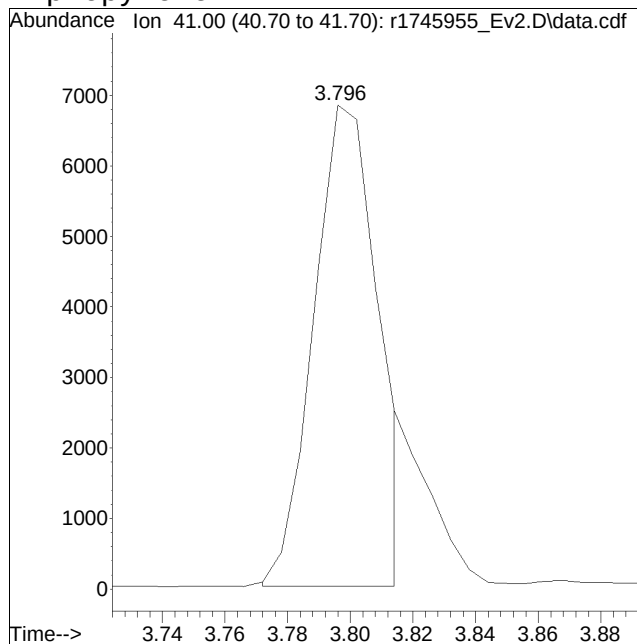
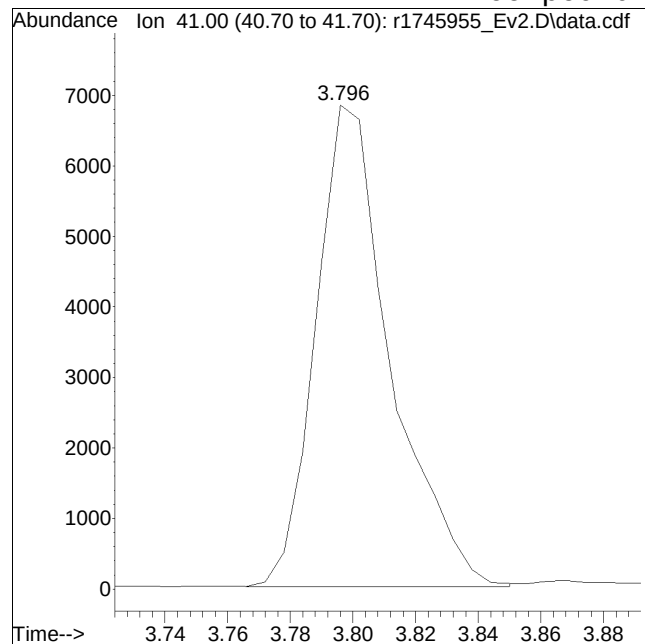
Quant Time: Dec 23 14:22:14 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:22:14 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745955_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 4:58 AM Instrument :
Sample : IT015-SIMSTD1.0 Quant Date : 12/23/2024 2:22 pm

Compound #2: propylene



Original Peak Response = 11301

Manual Peak Response = 9770 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745956_Ev2.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:40:29 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 15:23:07 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	179491	10.000	ppbV	0.08
Standard Area = 179491			Recovery =	100.00%		
33) 1,4-difluorobenzene	11.030	114	530722	10.000	ppbV	0.08
Standard Area = 530722			Recovery =	100.00%		
51) chlorobenzene-D5	15.783	54	67250	10.000	ppbV	0.05
Standard Area = 67250			Recovery =	100.00%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	117823	9.171	ppbV	0.07
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.71%		
53) toluene-D8	13.875	98	436612	10.537	ppbV	0.07
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.37%		
67) bromofluorobenzene	17.167	95	308010	10.757	ppbV	0.04
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.57%		
Target Compounds						
					Qvalue	
2) propylene	3.796	41	36507M6	3.559	ppbV	
3) dichlorodifluoromethane	3.868	85	86507	3.808	ppbV	98
4) chloromethane	4.024	50	44371	4.570	ppbV	99
5) Freon-114	4.126	85	104130	3.721	ppbV	97
6) vinyl chloride	4.240	62	40506	2.903	ppbV	99
7) 1,3-butadiene	4.378	54	34543	3.819	ppbV #	61
8) bromomethane	4.648	94	36540	3.354	ppbV	97
9) chloroethane	4.822	64	18768	2.739	ppbV #	77
10) ethanol	4.942	31	172476	16.800	ppbV #	86
11) vinyl bromide	5.187	106	38676	2.896	ppbV	100
12) acrolein	5.307	56	17207	2.826	ppbV	97
13) acetone	5.440	43	316995	19.599	ppbV #	82
14) trichlorofluoromethane	5.633	101	81400	3.033	ppbV	100
15) isopropyl alcohol	5.707	45	217056	10.390	ppbV #	95
16) acrylonitrile	5.943	53	32803	3.436	ppbV	94
17) 1,1-dichloroethene	6.312	61	58089	2.674	ppbV #	86
18) tertiary butyl alcohol	6.348	59	62054	2.381	ppbV #	69
19) methylene chloride	6.450	49	54022	4.292	ppbV	88
20) 3-chloropropene	6.576	41	60900	3.425	ppbV	91
21) carbon disulfide	6.744	76	130387	3.742	ppbV	100
22) Freon 113	6.750	101	89415	3.185	ppbV	99
23) trans-1,2-dichloroethene	7.475	61	58304	2.696	ppbV	88
24) 1,1-dichloroethane	7.692	63	75571	2.654	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745956_Ev2.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:40:29 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 15:23:07 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.758	73	98053	2.995	ppbV	94
26) vinyl acetate	7.875	43	91699	4.086	ppbV #	94
27) 2-butanone	8.125	43	102125	4.103	ppbV #	95
28) cis-1,2-dichloroethene	8.633	61	56231	2.700	ppbV #	79
29) Ethyl Acetate	8.900	61	14334	2.852	ppbV #	44
30) chloroform	8.967	83	78502	3.329	ppbV	97
31) Tetrahydrofuran	9.392	42	59668	3.862	ppbV	95
32) 1,2-dichloroethane	9.792	62	45758	2.652	ppbV #	90
34) hexane	8.883	57	66236	3.724	ppbV #	58
36) 1,1,1-trichloroethane	10.083	97	67636	3.560	ppbV	93
37) benzene	10.603	78	151560	4.162	ppbV	96
38) carbon tetrachloride	10.777	117	61845	3.456	ppbV	99
39) cyclohexane	10.917	56	69637	3.748	ppbV #	85
40) Dibromomethane	11.510	93	48850	3.706	ppbV #	91
41) 1,2-dichloropropane	11.543	63	52937	3.181	ppbV	97
42) bromodichloromethane	11.770	83	75060	3.924	ppbV	98
43) 1,4-dioxane	11.803	88	30664	3.960	ppbV	92
44) trichloroethene	11.823	130	74748	4.116	ppbV	98
45) 2,2,4-trimethylpentane	11.877	57	214354M3	3.666	ppbV	
46) heptane	12.190	43	103563M3	4.980	ppbV	
47) cis-1,3-dichloropropene	12.833	75	69676	3.836	ppbV	94
48) 4-methyl-2-pentanone	12.867	43	122607	4.955	ppbV #	82
49) trans-1,3-dichloropropene	13.458	75	50425	3.634	ppbV	94
50) 1,1,2-trichloroethane	13.658	97	63726	3.858	ppbV	92
52) toluene	13.992	91	179146	4.223	ppbV	98
54) 2-hexanone	14.283	43	113834M3	5.530	ppbV	
55) dibromochloromethane	14.450	129	79434	4.092	ppbV	100
56) 1,2-dibromoethane	14.700	107	90512	4.139	ppbV	98
57) tetrachloroethene	15.175	166	70018	4.200	ppbV	99
58) 1,1,1,2-tetrachloroethane	15.808	131	64524	3.947	ppbV	97
59) chlorobenzene	15.825	112	151201	4.224	ppbV	98
60) ethylbenzene	16.175	91	231662	3.747	ppbV	99
61) m+p-xylene	16.350	91	369549	7.501	ppbV	97
62) bromoform	16.408	173	56017	3.947	ppbV	98
63) styrene	16.675	104	149373	3.880	ppbV	99
64) 1,1,2,2-tetrachloroethane	16.758	83	131612	4.396	ppbV	98
65) o-xylene	16.767	91	186809	3.699	ppbV	99
66) 1,2,3-Trichloropropane	16.875	75	94702	4.410	ppbV	97
68) isopropylbenzene	17.292	105	233728	4.232	ppbV	98
69) Bromobenzene	17.358	77	123286	4.285	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745956_Ev2.D
 Acq On : 21 Dec 2024 5:37 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:40:29 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Tue Dec 17 15:23:07 2024
 Response via : Initial Calibration

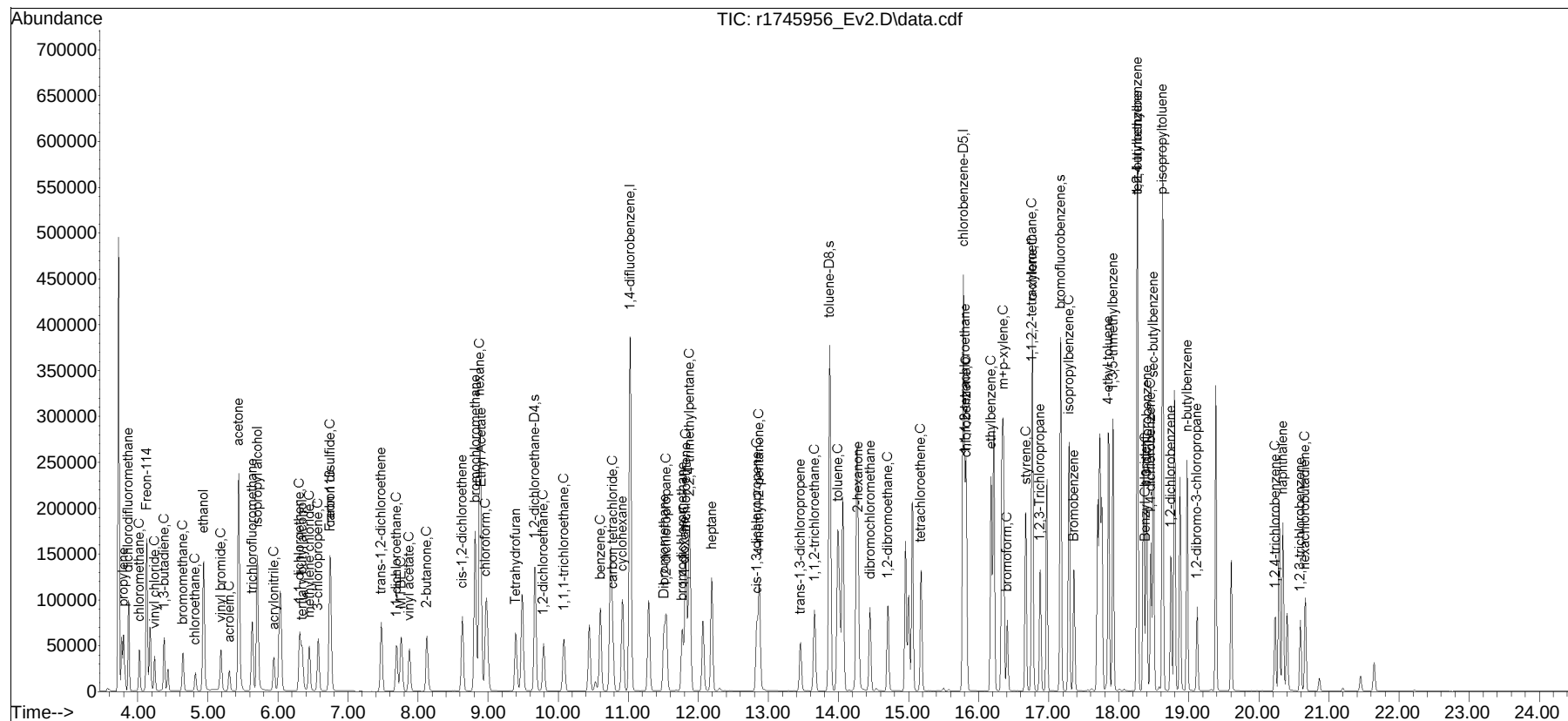
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.850	105	240995	3.962	ppbV	98
71) 1,3,5-trimethylbenzene	17.917	105	209079	3.630	ppbV	99
72) tert-butylbenzene	18.267	119	218996	4.380	ppbV	98
73) 1,2,4-trimethylbenzene	18.267	105	211831	4.074	ppbV	99
74) Benzyl Chloride	18.383	91	86676	2.910	ppbV	98
75) 1,3-dichlorobenzene	18.400	146	137279	4.351	ppbV	97
76) 1,4-dichlorobenzene	18.458	146	138288M3	4.439	ppbV	
77) sec-butylbenzene	18.492	105	302106	4.327	ppbV	100
78) p-isopropyltoluene	18.625	119	262344M3	4.386	ppbV	
79) 1,2-dichlorobenzene	18.742	146	130206	4.162	ppbV #	91
80) n-butylbenzene	18.975	91	229318	4.387	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.117	75	44256	4.217	ppbV	97
82) 1,2,4-trichlorobenzene	20.233	180	85982	4.514	ppbV	98
83) naphthalene	20.342	128	266897	3.843	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	79173	4.619	ppbV	98
85) hexachlorobutadiene	20.658	225	80148	4.418	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745956_Ev2.D
Acq On    : 21 Dec 2024   5:37 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD5.0
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
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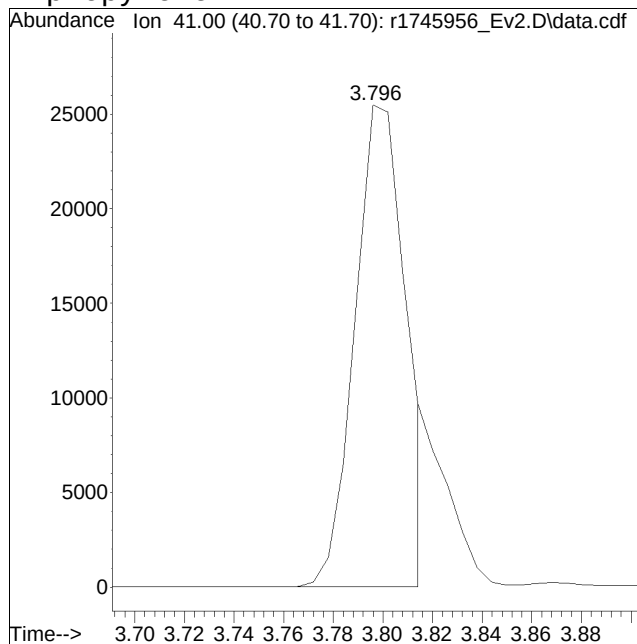
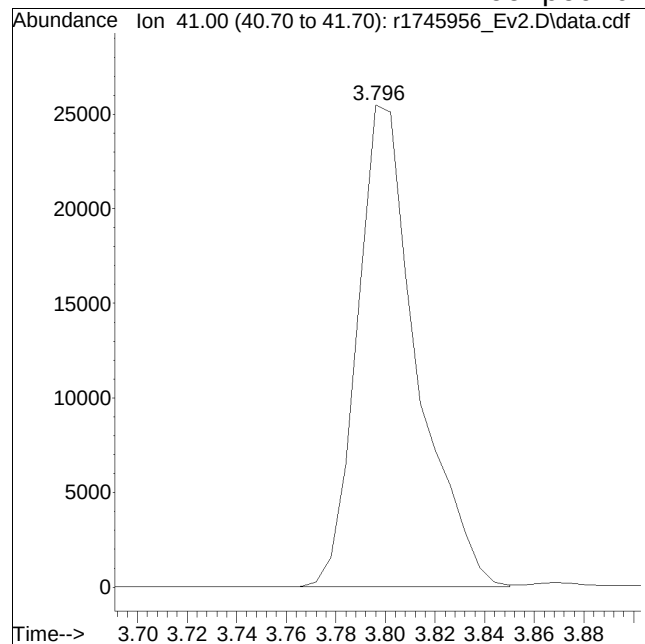
Quant Time: Dec 21 08:40:29 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Tue Dec 17 15:23:07 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #2: propylene



Original Peak Response = 42583

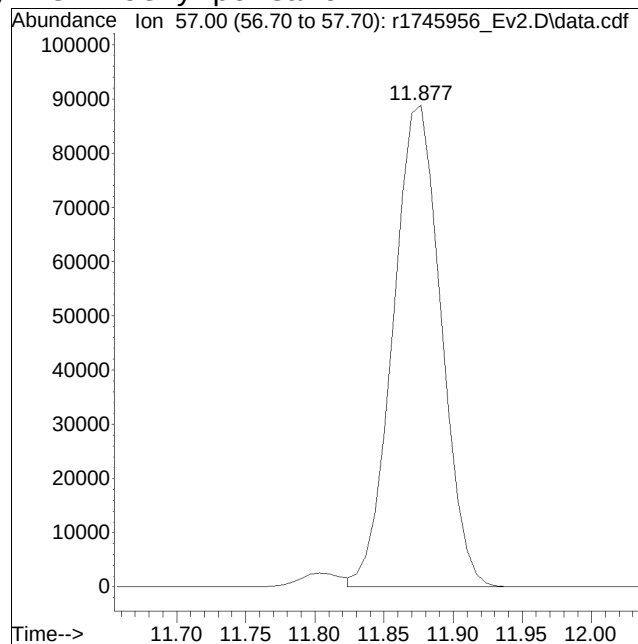
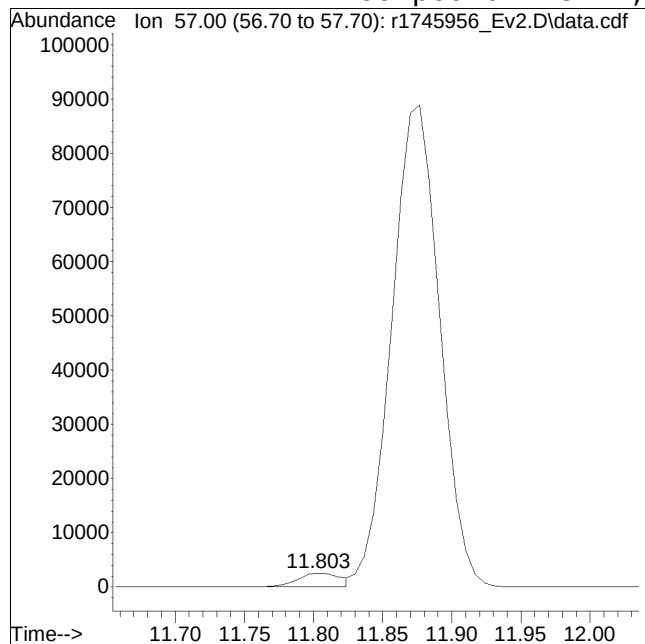
Manual Peak Response = 36507 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #45: 2,2,4-trimethylpentane



Original Peak Response = 5598

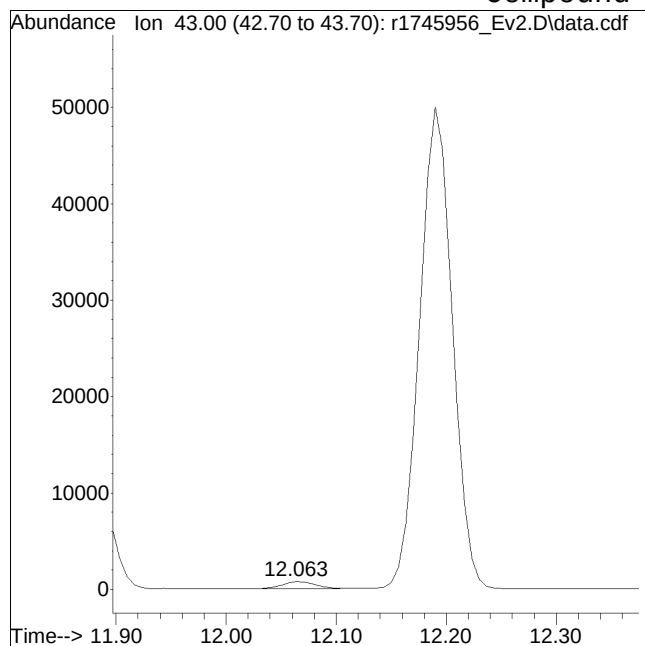
Manual Peak Response = 214354 M3

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

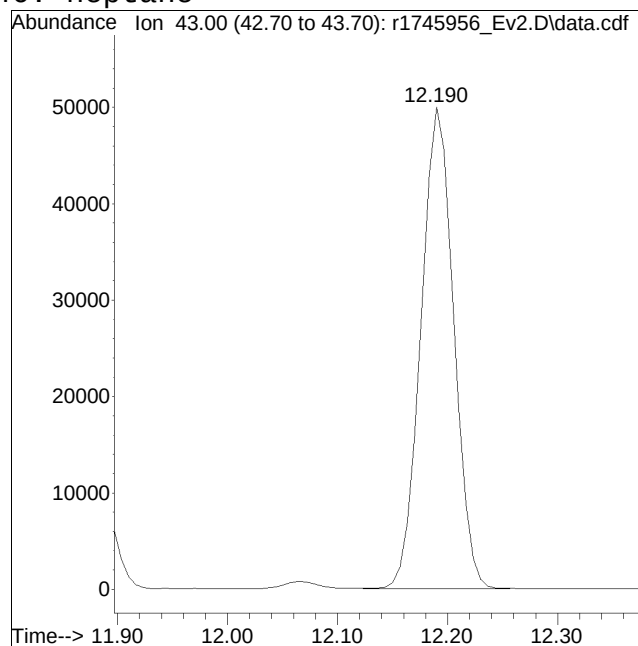
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #46: heptane



Original Peak Response = 1709

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.

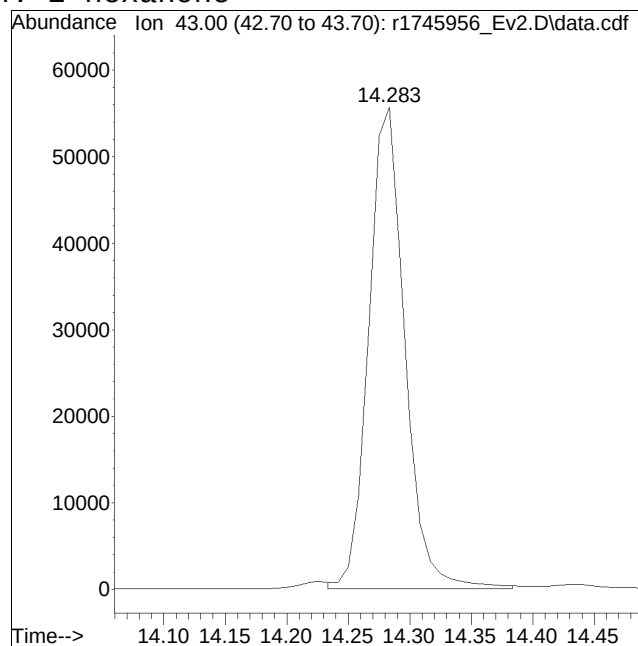
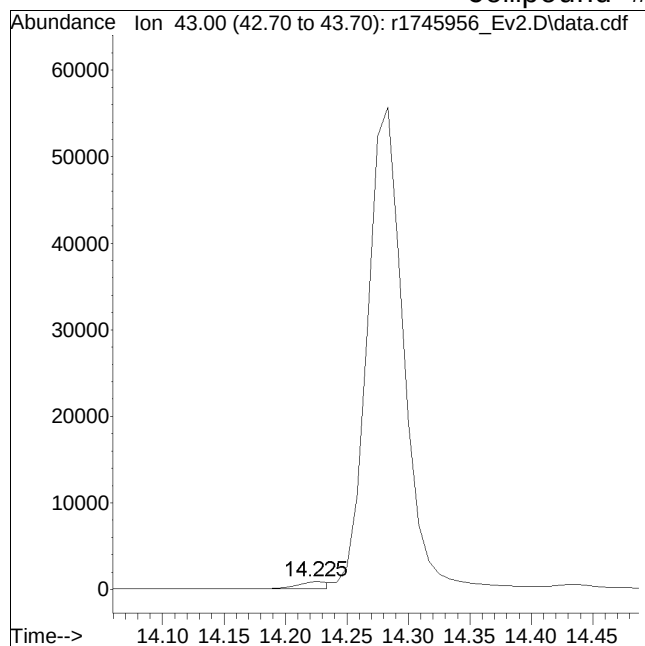


Manual Peak Response = 103563 M3

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #54: 2-hexanone



Original Peak Response = 1517

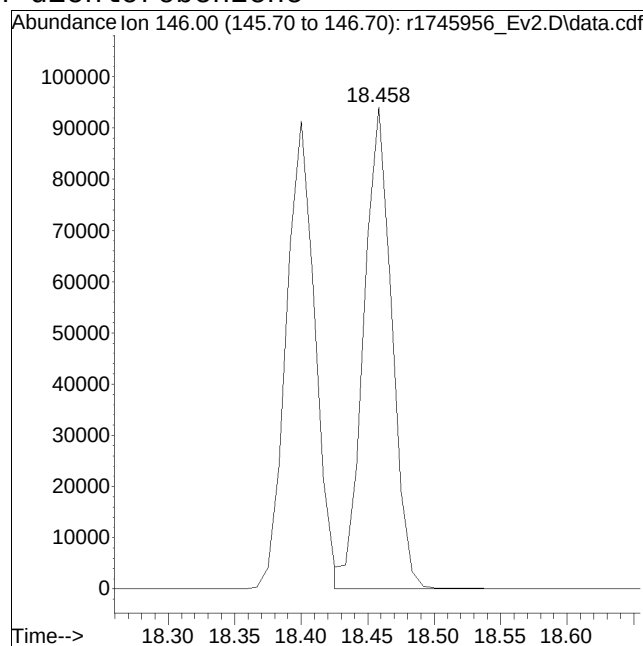
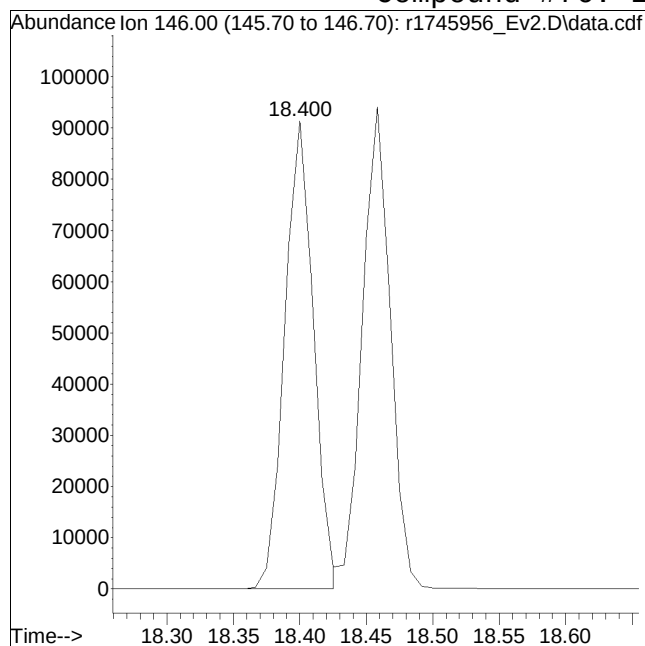
Manual Peak Response = 113834 M3

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\Airlab17\200Method : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 137279

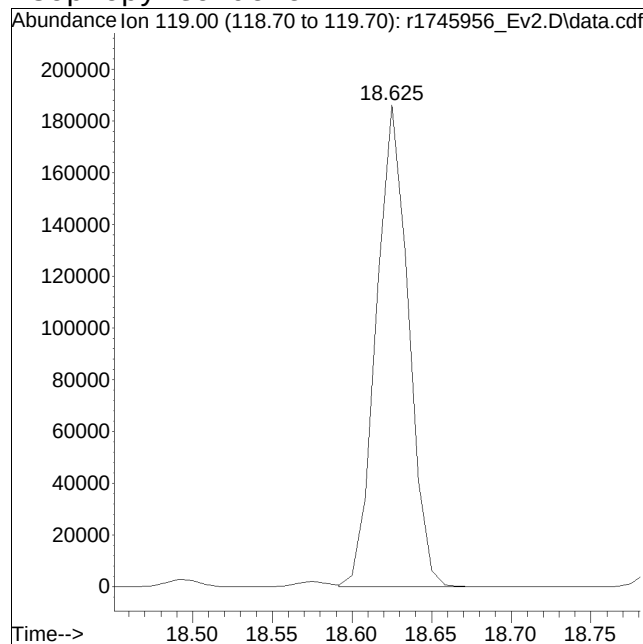
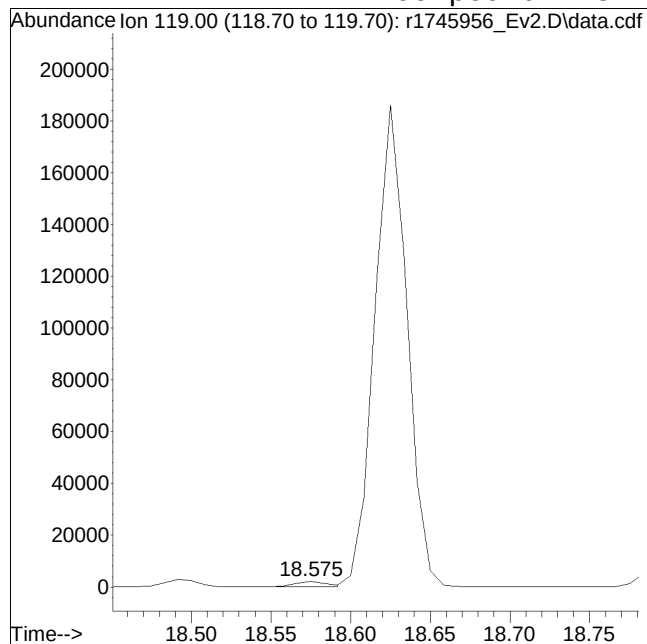
Manual Peak Response = 138288 M3

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\Airlab17\200Method : TSIM17_241220.M
Data File : r1745956_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 5:37 AM Instrument :
Sample : IT015-SIMSTD5.0 Quant Date : 12/21/2024 8:40 am

Compound #78: p-isopropyltoluene



Original Peak Response = 3142

Manual Peak Response = 262344 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\Airlab17\2024\12\1220SIM_I\
 Data File : r1745957_Ev2.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:03 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	182026	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	101.41%		
33) 1,4-difluorobenzene	11.023	114	535828	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	100.96%		
51) chlorobenzene-D5	15.783	54	68027	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	101.16%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	115860	9.740	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%		
53) toluene-D8	13.875	98	432037	9.782	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.82%		
67) bromofluorobenzene	17.175	95	304687	9.779	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.79%		
Target Compounds						
					Qvalue	
2) propylene	3.790	41	72786M6	9.830	ppbV	
3) dichlorodifluoromethane	3.868	85	175113	9.980	ppbV	99
4) chloromethane	4.018	50	89749	9.973	ppbV	100
5) Freon-114	4.126	85	208516	9.873	ppbV	98
6) vinyl chloride	4.240	62	82108	9.994	ppbV	100
7) 1,3-butadiene	4.372	54	70396	10.048	ppbV	97
8) bromomethane	4.642	94	73721	9.947	ppbV	100
9) chloroethane	4.822	64	37750	9.917	ppbV	99
10) ethanol	4.936	31	321322	45.926	ppbV	98
11) vinyl bromide	5.187	106	77693	9.904	ppbV	95
12) acrolein	5.303	56	37165	10.649	ppbV	95
13) acetone	5.437	43	635393	49.413	ppbV	99
14) trichlorofluoromethane	5.633	101	164511	9.964	ppbV	98
15) isopropyl alcohol	5.703	45	448827	25.487	ppbV	100
16) acrylonitrile	5.940	53	67650	10.168	ppbV	99
17) 1,1-dichloroethene	6.306	61	117520	9.975	ppbV	98
18) tertiary butyl alcohol	6.342	59	125259	9.952	ppbV	99
19) methylene chloride	6.444	49	109362	9.981	ppbV	97
20) 3-chloropropene	6.576	41	125466	10.158	ppbV	99
21) carbon disulfide	6.744	76	269256	10.181	ppbV	98
22) Freon 113	6.744	101	180465	9.951	ppbV	100
23) trans-1,2-dichloroethene	7.475	61	118073	9.985	ppbV	99
24) 1,1-dichloroethane	7.692	63	152921	9.977	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745957_Ev2.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:03 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.758	73	201543	10.134	ppbV	99
26) vinyl acetate	7.875	43	198430	10.669	ppbV	99
27) 2-butanone	8.125	43	211353	10.204	ppbV	98
28) cis-1,2-dichloroethene	8.633	61	114405	10.031	ppbV	99
29) Ethyl Acetate	8.892	61	29712	10.220	ppbV	64
30) chloroform	8.967	83	159558	10.021	ppbV	100
31) Tetrahydrofuran	9.392	42	124774	10.310	ppbV	97
32) 1,2-dichloroethane	9.792	62	92713	9.990	ppbV	100
34) hexane	8.883	57	134193	10.033	ppbV	93
36) 1,1,1-trichloroethane	10.083	97	139368	10.205	ppbV	98
37) benzene	10.603	78	309092	10.100	ppbV	99
38) carbon tetrachloride	10.777	117	129798	10.394	ppbV	100
39) cyclohexane	10.917	56	142362	10.124	ppbV	99
40) Dibromomethane	11.510	93	99659	10.103	ppbV #	100
41) 1,2-dichloropropane	11.543	63	108286	10.130	ppbV	100
42) bromodichloromethane	11.770	83	156306	10.313	ppbV	100
43) 1,4-dioxane	11.803	88	63495	10.255	ppbV	98
44) trichloroethene	11.823	130	150656	9.982	ppbV	99
45) 2,2,4-trimethylpentane	11.870	57	433621	10.018	ppbV	100
46) heptane	12.190	43	210621	10.072	ppbV	100
47) cis-1,3-dichloropropene	12.833	75	148288	10.540	ppbV	99
48) 4-methyl-2-pentanone	12.867	43	252466	10.198	ppbV	100
49) trans-1,3-dichloropropene	13.458	75	109313	10.736	ppbV	99
50) 1,1,2-trichloroethane	13.658	97	130806	10.165	ppbV	99
52) toluene	13.992	91	363442	10.028	ppbV	100
54) 2-hexanone	14.275	43	237941	10.332	ppbV	99
55) dibromochloromethane	14.450	129	169452	10.544	ppbV	100
56) 1,2-dibromoethane	14.708	107	187272	10.227	ppbV	100
57) tetrachloroethene	15.175	166	142619	10.068	ppbV	99
58) 1,1,1,2-tetrachloroethane	15.817	131	136113	10.427	ppbV	98
59) chlorobenzene	15.825	112	311558	10.185	ppbV	97
60) ethylbenzene	16.183	91	470809	10.045	ppbV	98
61) m+p-xylene	16.342	91	748670	20.028	ppbV	100
62) bromoform	16.417	173	122774	10.833	ppbV	99
63) styrene	16.675	104	312335	10.335	ppbV	98
64) 1,1,2,2-tetrachloroethane	16.767	83	272852	10.247	ppbV	99
65) o-xylene	16.775	91	376697	9.967	ppbV	96
66) 1,2,3-Trichloropropane	16.883	75	198946	10.384	ppbV	99
68) isopropylbenzene	17.292	105	487066	10.300	ppbV	97
69) Bromobenzene	17.367	77	255033	10.225	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745957_Ev2.D
 Acq On : 21 Dec 2024 6:18 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD010
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:03 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

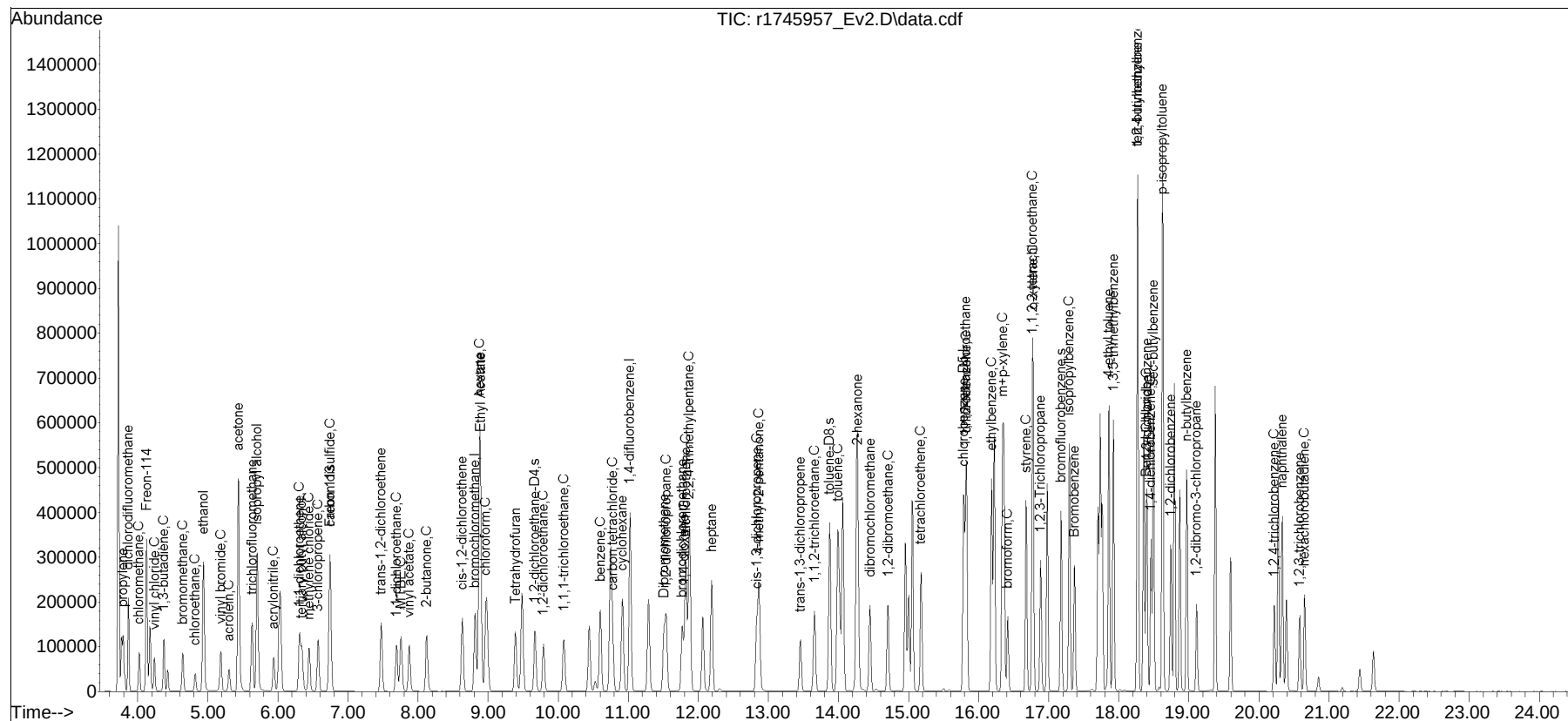
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.858	105	506875	10.396	ppbV	100
71) 1,3,5-trimethylbenzene	17.925	105	432338	10.221	ppbV	99
72) tert-butylbenzene	18.267	119	444214	10.026	ppbV	100
73) 1,2,4-trimethylbenzene	18.267	105	443497	10.349	ppbV	96
74) Benzyl Chloride	18.392	91	213635	12.183	ppbV	96
75) 1,3-dichlorobenzene	18.400	146	292888	10.546	ppbV	97
76) 1,4-dichlorobenzene	18.458	146	286809	10.252	ppbV	96
77) sec-butylbenzene	18.492	105	631356	10.330	ppbV	98
78) p-isopropyltoluene	18.625	119	542092	10.214	ppbV	100
79) 1,2-dichlorobenzene	18.742	146	279288	10.602	ppbV	97
80) n-butylbenzene	18.967	91	460560	9.927	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.108	75	99896	11.157	ppbV	94
82) 1,2,4-trichlorobenzene	20.217	180	196453	11.294	ppbV	97
83) naphthalene	20.333	128	581235	10.764	ppbV	100
84) 1,2,3-trichlorobenzene	20.583	180	177607	11.088	ppbV	99
85) hexachlorobutadiene	20.650	225	164152	10.124	ppbV	98

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745957_Ev2.D
Acq On    : 21 Dec 2024   6:18 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD010
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
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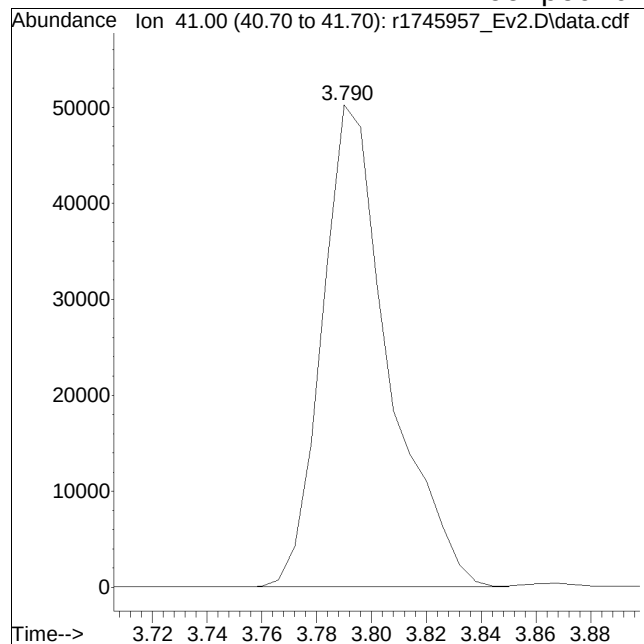
Quant Time: Dec 21 08:49:03 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:47:54 2024
Response via : Initial Calibration



Manual Integration Report

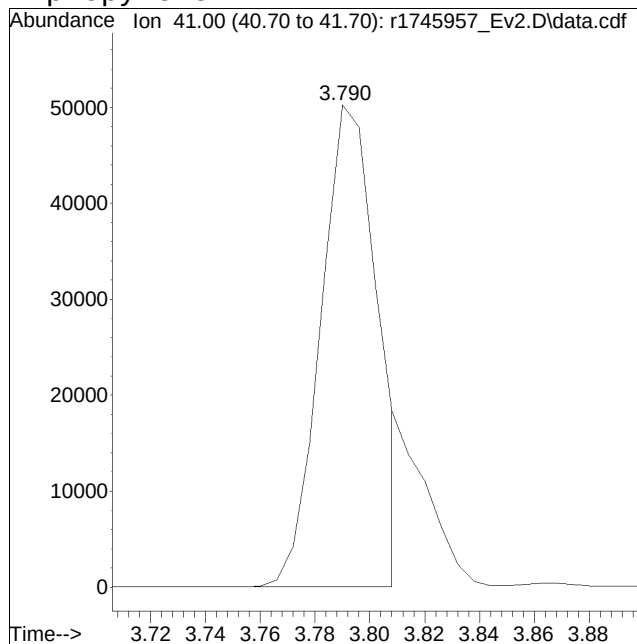
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745957_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:18 AM Instrument :
Sample : IT015-SIMSTD010 Quant Date : 12/21/2024 8:49 am

Compound #2: propylene



Original Peak Response = 85097

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



Manual Peak Response = 72786 M6

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745958_Ev2.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:11 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	187227	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	104.31%		
33) 1,4-difluorobenzene	11.023	114	542253	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	102.17%		
51) chlorobenzene-D5	15.783	54	69083	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	102.73%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	119391	9.918	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.18%		
53) toluene-D8	13.875	98	451850	10.074	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.74%		
67) bromofluorobenzene	17.175	95	311426	9.843	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.43%		
Target Compounds						
					Qvalue	
2) propylene	3.796	41	176615M6	23.190	ppbV	
3) dichlorodifluoromethane	3.868	85	410432	22.742	ppbV	100
4) chloromethane	4.024	50	204540	22.096	ppbV	98
5) Freon-114	4.126	85	474166	21.827	ppbV	98
6) vinyl chloride	4.240	62	198815	23.527	ppbV	99
7) 1,3-butadiene	4.378	54	179082	24.851	ppbV	93
8) bromomethane	4.642	94	181744	23.842	ppbV	100
9) chloroethane	4.822	64	95361	24.355	ppbV	98
10) ethanol	4.942	31	787681	109.455	ppbV	98
11) vinyl bromide	5.187	106	200553	24.856	ppbV	97
12) acrolein	5.303	56	95352	26.562	ppbV	94
13) acetone	5.437	43	1542828	116.649	ppbV	97
14) trichlorofluoromethane	5.630	101	409883	24.137	ppbV	98
15) isopropyl alcohol	5.707	45	1006952	55.593	ppbV	100
16) acrylonitrile	5.940	53	176891	25.849	ppbV	99
17) 1,1-dichloroethene	6.306	61	294398	24.293	ppbV	99
18) tertiary butyl alcohol	6.342	59	340202	26.279	ppbV	97
19) methylene chloride	6.450	49	281497	24.977	ppbV	99
20) 3-chloropropene	6.576	41	325373	25.610	ppbV	98
21) carbon disulfide	6.744	76	714179	26.255	ppbV	97
22) Freon 113	6.744	101	453461	24.309	ppbV	98
23) trans-1,2-dichloroethene	7.475	61	303832	24.979	ppbV	97
24) 1,1-dichloroethane	7.692	63	384396	24.382	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745958_Ev2.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:11 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.750	73	533695	26.090	ppbV	99
26) vinyl acetate	7.875	43	521728	27.272	ppbV	99
27) 2-butanone	8.117	43	545974	25.626	ppbV	99
28) cis-1,2-dichloroethene	8.633	61	287330	24.493	ppbV	98
29) Ethyl Acetate	8.892	61	75708	25.317	ppbV	83
30) chloroform	8.967	83	407046	24.855	ppbV	99
31) Tetrahydrofuran	9.383	42	323660	26.001	ppbV	97
32) 1,2-dichloroethane	9.792	62	230871	24.185	ppbV	99
34) hexane	8.883	57	349030	25.787	ppbV	97
36) 1,1,1-trichloroethane	10.083	97	356514	25.795	ppbV	96
37) benzene	10.603	78	793342	25.616	ppbV	99
38) carbon tetrachloride	10.770	117	347516	27.498	ppbV	98
39) cyclohexane	10.917	56	374406	26.311	ppbV	98
40) Dibromomethane	11.510	93	250978	25.142	ppbV #	98
41) 1,2-dichloropropane	11.537	63	271406	25.090	ppbV	100
42) bromodichloromethane	11.763	83	420635	27.424	ppbV	98
43) 1,4-dioxane	11.797	88	176349	28.144	ppbV	97
44) trichloroethene	11.823	130	376633	24.658	ppbV	98
45) 2,2,4-trimethylpentane	11.870	57	1121656	25.607	ppbV	100
46) heptane	12.190	43	542571	25.638	ppbV	98
47) cis-1,3-dichloropropene	12.833	75	398583	27.994	ppbV	98
48) 4-methyl-2-pentanone	12.858	43	665928	26.580	ppbV	100
49) trans-1,3-dichloropropene	13.450	75	299820	29.097	ppbV	99
50) 1,1,2-trichloroethane	13.658	97	327481	25.148	ppbV	98
52) toluene	13.992	91	895693	24.336	ppbV	100
54) 2-hexanone	14.275	43	616954	26.380	ppbV	99
55) dibromochloromethane	14.450	129	451264	27.651	ppbV	99
56) 1,2-dibromoethane	14.700	107	480300	25.828	ppbV	100
57) tetrachloroethene	15.175	166	357072	24.822	ppbV	98
58) 1,1,1,2-tetrachloroethane	15.808	131	354232	26.721	ppbV	100
59) chlorobenzene	15.825	112	804566	25.900	ppbV	97
60) ethylbenzene	16.183	91	1166657	24.512	ppbV	94
61) m+p-xylene	16.350	91	1827158	48.131	ppbV	94
62) bromoform	16.417	173	342952	29.799	ppbV	99
63) styrene	16.675	104	814747	26.549	ppbV	98
64) 1,1,2,2-tetrachloroethane	16.767	83	698267	25.824	ppbV	98
65) o-xylene	16.775	91	909747	23.704	ppbV	91
66) 1,2,3-Trichloropropane	16.883	75	527398	27.106	ppbV	98
68) isopropylbenzene	17.292	105	1250079	26.033	ppbV	97
69) Bromobenzene	17.367	77	667258	26.343	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745958_Ev2.D
 Acq On : 21 Dec 2024 6:54 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD020
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:11 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

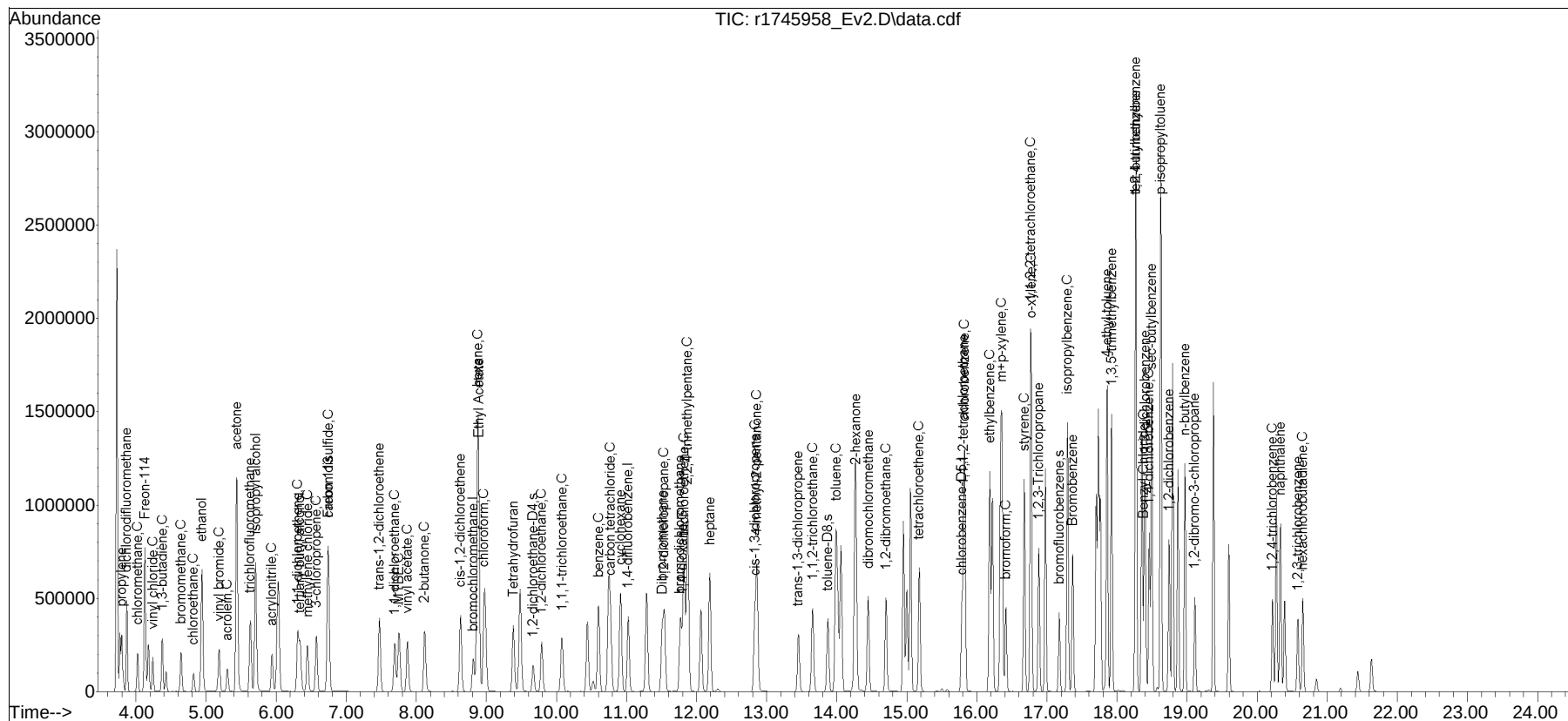
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.858	105	1326943	26.800	ppbV	99
71) 1,3,5-trimethylbenzene	17.925	105	1099104	25.587	ppbV	99
72) tert-butylbenzene	18.267	119	1110646	24.685	ppbV	99
73) 1,2,4-trimethylbenzene	18.267	105	1107736	25.453	ppbV	99
74) Benzyl Chloride	18.383	91	627731	35.251	ppbV	99
75) 1,3-dichlorobenzene	18.400	146	737064	26.133	ppbV	96
76) 1,4-dichlorobenzene	18.458	146	716224	25.209	ppbV	96
77) sec-butylbenzene	18.492	105	1588496	25.593	ppbV	99
78) p-isopropyltoluene	18.625	119	1308150	24.270	ppbV	99
79) 1,2-dichlorobenzene	18.742	146	685559	25.627	ppbV	99
80) n-butylbenzene	18.967	91	1114330	23.652	ppbV	100
81) 1,2-dibromo-3-chloropr...	19.108	75	267552	29.426	ppbV	92
82) 1,2,4-trichlorobenzene	20.217	180	482893	27.336	ppbV	96
83) naphthalene	20.333	128	1361812	24.835	ppbV	99
84) 1,2,3-trichlorobenzene	20.583	180	414230	25.466	ppbV	99
85) hexachlorobutadiene	20.650	225	383161	23.269	ppbV	98

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

Sub List : Default - All compounds listed2\1220SIM_I\r1745956_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745958_Ev2.D
Acq On : 21 Dec 2024 6:54 AM
Operator : AIRLAB17:BJB
Sample : IT015-SIMSTD020
Misc : WG2012831
ALS Vial : 0 Sample Multiplier: 1

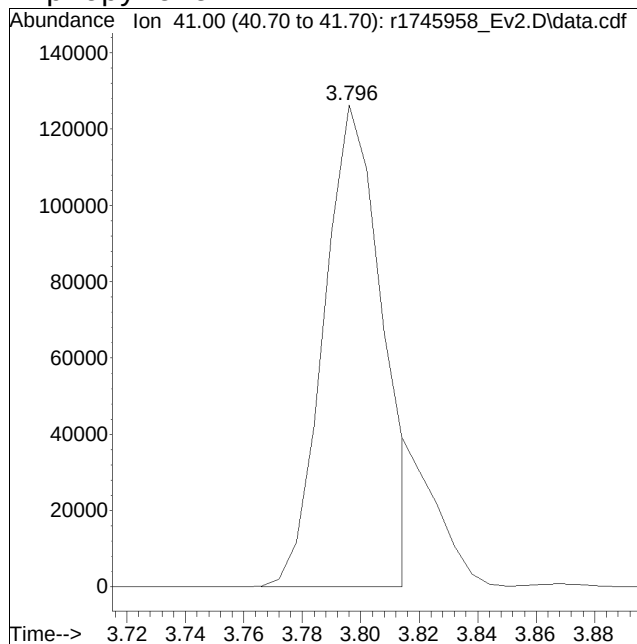
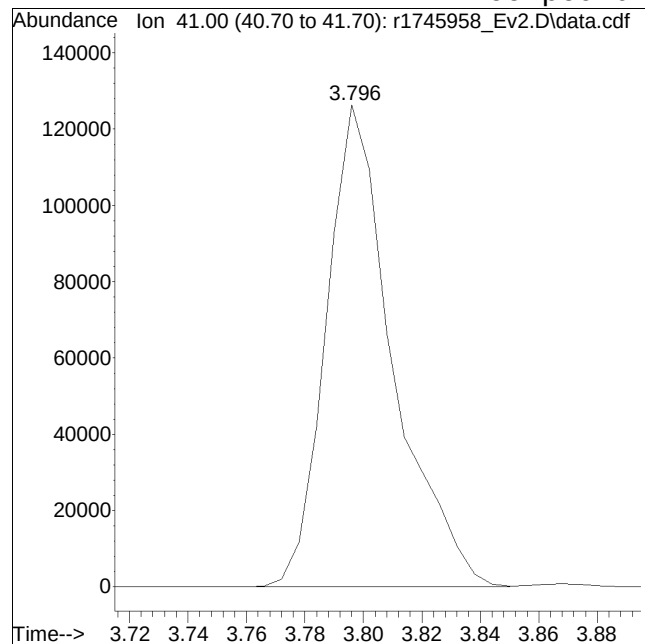
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Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:47:54 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745958_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 6:54 AM Instrument :
Sample : IT015-SIMSTD020 Quant Date : 12/21/2024 8:49 am

Compound #2: propylene



Original Peak Response = 200709

Manual Peak Response = 176615 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745959_Ev2.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:19 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.817	49	196212	10.000	ppbV	0.00
Standard Area = 179491			Recovery =	109.32%		
33) 1,4-difluorobenzene	11.030	114	537058	10.000	ppbV	0.00
Standard Area = 530722			Recovery =	101.19%		
51) chlorobenzene-D5	15.783	54	68170	10.000	ppbV	0.00
Standard Area = 67250			Recovery =	101.37%		
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.675	65	98898	8.295	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	82.95%		
53) toluene-D8	13.875	98	403222	9.111	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.11%		
67) bromofluorobenzene	17.175	95	284240	9.104	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.04%		
Target Compounds						
					Qvalue	
2) propylene	3.796	41	377734M6	47.326	ppbV	
3) dichlorodifluoromethane	3.874	85	925581	48.938	ppbV	99
4) chloromethane	4.024	50	466658	48.105	ppbV	98
5) Freon-114	4.126	85	1045682	45.932	ppbV	98
6) vinyl chloride	4.246	62	466811	52.712	ppbV	99
7) 1,3-butadiene	4.378	54	400310	53.006	ppbV	99
8) bromomethane	4.648	94	408973	51.193	ppbV	100
9) chloroethane	4.828	64	216904	52.861	ppbV	94
10) ethanol	4.954	31	1571164	208.329	ppbV	91
11) vinyl bromide	5.193	106	501735	59.336	ppbV	97
12) acrolein	5.310	56	233465	62.059	ppbV	98
13) acetone	5.443	43	3140252	226.553	ppbV #	86
14) trichlorofluoromethane	5.637	101	848750	47.692	ppbV	98
15) isopropyl alcohol	5.713	45	2217357	116.813	ppbV	99
16) acrylonitrile	5.947	53	466215	65.007	ppbV	99
17) 1,1-dichloroethene	6.312	61	641723	50.529	ppbV	98
18) tertiary butyl alcohol	6.348	59	797934	58.814	ppbV	91
19) methylene chloride	6.456	49	688223	58.270	ppbV	98
20) 3-chloropropene	6.582	41	694922	52.192	ppbV #	94
21) carbon disulfide	6.744	76	1609421	56.458	ppbV	95
22) Freon 113	6.750	101	966409	49.435	ppbV	94
23) trans-1,2-dichloroethene	7.475	61	663782	52.073	ppbV	97
24) 1,1-dichloroethane	7.700	63	822905	49.806	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745959_Ev2.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:19 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.758	73	1212078	56.540	ppbV	96
26) vinyl acetate	7.883	43	1156009	57.661	ppbV #	95
27) 2-butanone	8.125	43	1181704	52.925	ppbV	95
28) cis-1,2-dichloroethene	8.633	61	626693	50.976	ppbV	96
29) Ethyl Acetate	8.900	61	171491	54.722	ppbV	80
30) chloroform	8.975	83	949897	55.346	ppbV	98
31) Tetrahydrofuran	9.383	42	700922	53.730	ppbV	95
32) 1,2-dichloroethane	9.792	62	481595	48.140	ppbV #	92
34) hexane	8.892	57	826857	61.681	ppbV	85
36) 1,1,1-trichloroethane	10.083	97	762802	55.725	ppbV	97
37) benzene	10.603	78	1894793	61.772	ppbV	95
38) carbon tetrachloride	10.777	117	793896	63.427	ppbV	99
39) cyclohexane	10.917	56	906742	64.337	ppbV	94
40) Dibromomethane	11.510	93	540659	54.686	ppbV #	98
41) 1,2-dichloropropane	11.543	63	586178	54.712	ppbV	98
42) bromodichloromethane	11.770	83	998971	65.760	ppbV	98
43) 1,4-dioxane	11.797	88	408317	65.794	ppbV	99
44) trichloroethene	11.823	130	827305	54.687	ppbV	97
45) 2,2,4-trimethylpentane	11.877	57	2627111	60.557	ppbV	94
46) heptane	12.190	43	1148861	54.812	ppbV	92
47) cis-1,3-dichloropropene	12.833	75	945158	67.025	ppbV	93
48) 4-methyl-2-pentanone	12.867	43	1414728	57.013	ppbV	93
49) trans-1,3-dichloropropene	13.458	75	716775	70.235	ppbV	92
50) 1,1,2-trichloroethane	13.658	97	703096	54.515	ppbV	90
52) toluene	13.992	91	1971549	54.284	ppbV	99
54) 2-hexanone	14.275	43	1295563	56.138	ppbV	91
55) dibromochloromethane	14.450	129	1012551	62.875	ppbV	98
56) 1,2-dibromoethane	14.708	107	1057088	57.607	ppbV	98
57) tetrachloroethene	15.183	166	782837	55.148	ppbV	95
58) 1,1,1,2-tetrachloroethane	15.817	131	770854	58.928	ppbV	98
59) chlorobenzene	15.833	112	1794439	58.539	ppbV	100
60) ethylbenzene	16.183	91	2501100	53.253	ppbV	93
61) m+p-xylene	16.358	91	3926881	104.827	ppbV	95
62) bromoform	16.417	173	789198	69.492	ppbV	99
63) styrene	16.675	104	1781608	58.831	ppbV	94
64) 1,1,2,2-tetrachloroethane	16.767	83	1589398	59.567	ppbV	98
65) o-xylene	16.775	91	1944317	51.338	ppbV	94
66) 1,2,3-Trichloropropane	16.883	75	1221545	63.624	ppbV	96
68) isopropylbenzene	17.292	105	2697189	56.921	ppbV	99
69) Bromobenzene	17.367	77	1542175	61.701	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745959_Ev2.D
 Acq On : 21 Dec 2024 7:33 AM
 Operator : AIRLAB17:BJB
 Sample : IT015-SIMSTD050
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 21 08:49:19 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Sat Dec 21 08:47:54 2024
 Response via : Initial Calibration

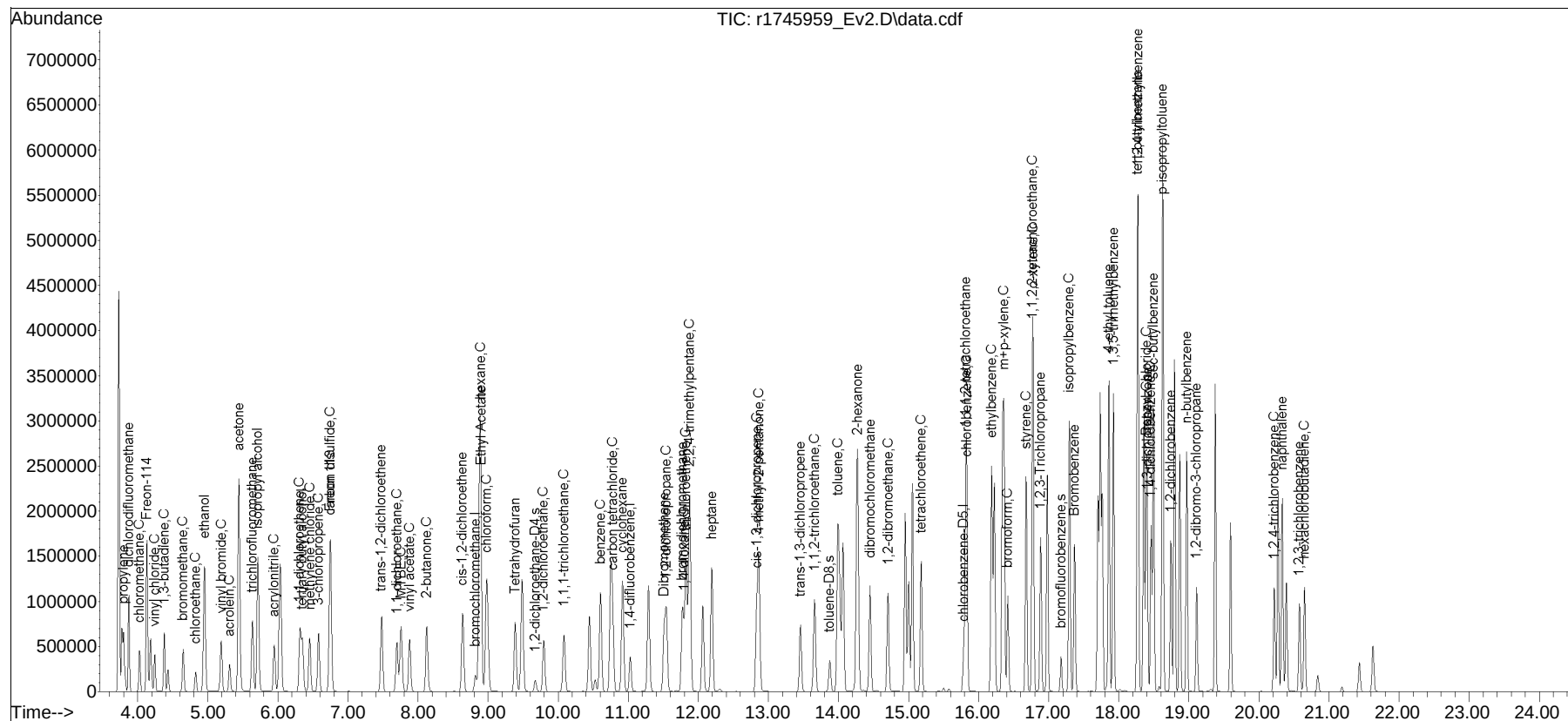
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.858	105	2866823	58.676	ppbV	96
71) 1,3,5-trimethylbenzene	17.925	105	2371246	55.942	ppbV	95
72) tert-butylbenzene	18.267	119	2422038	54.552	ppbV	99
73) 1,2,4-trimethylbenzene	18.275	105	2307318	53.726	ppbV	95
74) Benzyl Chloride	18.392	91	1556470	88.575	ppbV	92
75) 1,3-dichlorobenzene	18.408	146	1602872	57.592	ppbV	99
76) 1,4-dichlorobenzene	18.458	146	1593849	56.850	ppbV	92
77) sec-butylbenzene	18.492	105	3364096	54.926	ppbV	98
78) p-isopropyltoluene	18.625	119	2828737	53.185	ppbV	97
79) 1,2-dichlorobenzene	18.742	146	1488410	56.385	ppbV	98
80) n-butylbenzene	18.967	91	2491146	53.583	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.108	75	622238	69.351	ppbV #	92
82) 1,2,4-trichlorobenzene	20.217	180	1168860	67.054	ppbV	97
83) naphthalene	20.333	128	3215662	59.429	ppbV	98
84) 1,2,3-trichlorobenzene	20.575	180	1027589	64.019	ppbV	98
85) hexachlorobutadiene	20.650	225	908302	55.899	ppbV	96

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

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Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745959_Ev2.D
Acq On    : 21 Dec 2024   7:33 AM
Operator  : AIRLAB17:BJB
Sample    : IT015-SIMSTD050
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

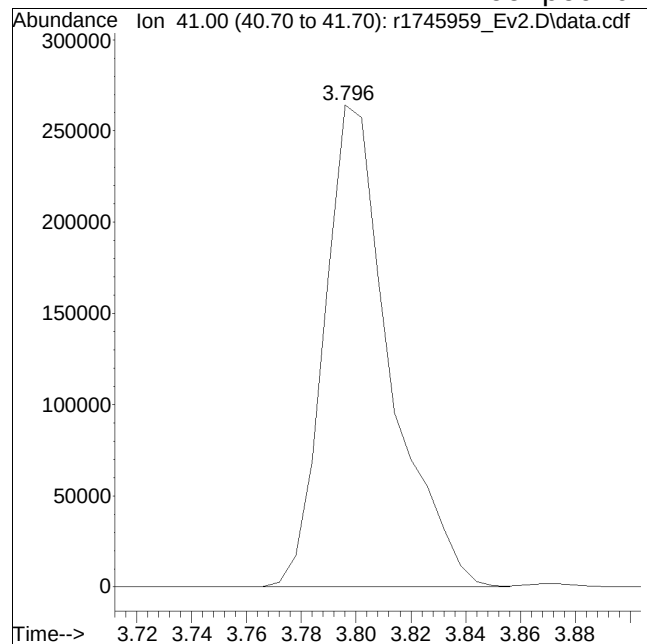
Quant Time: Dec 21 08:49:19 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Sat Dec 21 08:47:54 2024
Response via : Initial Calibration



Manual Integration Report

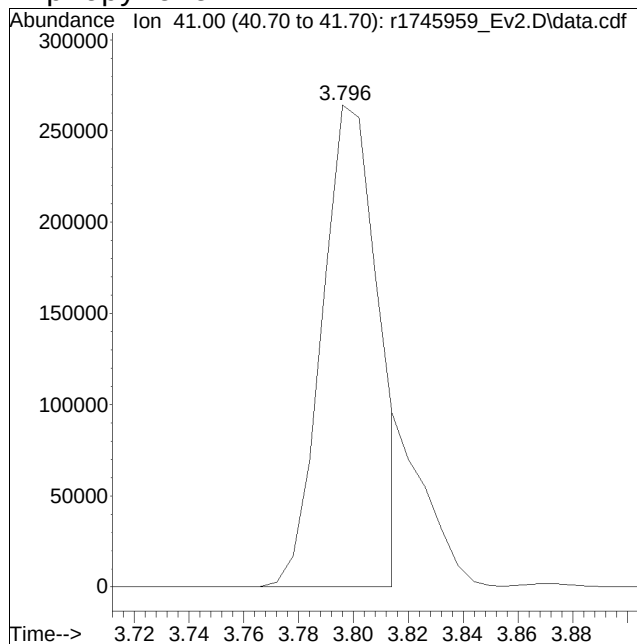
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745959_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 7:33 AM Instrument :
Sample : IT015-SIMSTD050 Quant Date : 12/21/2024 8:49 am

Compound #2: propylene



Original Peak Response = 440020

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



Manual Peak Response = 377734 M6

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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	93	0.00
2	propylene	0.460	0.432	6.1	99	0.00
3	dichlorodifluoromethane	1.090	1.049	3.8	101	0.00
4 C	chloromethane	0.557	0.440	21.0	83	0.00
5	Freon-114	1.388	1.255	9.6	101	0.00
6 C	vinyl chloride	0.563	0.514	8.7	106	0.00
7 C	1,3-butadiene	0.498	0.438	12.0	106	0.00
8 C	bromomethane	0.510	0.475	6.9	109	0.00
9 C	chloroethane	0.268	0.246	8.2	110	0.00
10	ethanol	0.391	0.327	16.4	79	0.00
11 C	vinyl bromide	0.538	0.450	16.4	97	0.00
12 C	acrolein	0.253	0.227	10.3	110	0.00
13	acetone	0.820	0.733	10.6	97	0.00
14	trichlorofluoromethane	1.086	0.921	15.2	95	0.00
15	isopropyl alcohol	1.010	0.848	16.0	82	0.00
16 C	acrylonitrile	0.435	0.512	-17.7	130	0.00
17 C	1,1-dichloroethene	0.803	0.727	9.5	105	0.00
18	tertiary butyl alcohol	0.791	0.860	-8.7	116	0.00
19 C	methylene chloride	0.710	0.731	-3.0	113	0.00
20 C	3-chloropropene	0.829	0.721	13.0	99	0.00
21 C	carbon disulfide	1.707	1.627	4.7	104	0.00
22	Freon 113	1.209	1.048	13.3	98	0.00
23	trans-1,2-dichloroethene	0.817	0.718	12.1	103	0.00
24 C	1,1-dichloroethane	1.037	0.865	16.6	96	0.00
25 C	MTBE	1.384	1.260	9.0	107	0.00
26 C	vinyl acetate	1.213	0.962	20.7	88	0.00
27 C	2-butanone	1.323	1.127	14.8	92	0.00
28	cis-1,2-dichloroethene	0.768	0.685	10.8	102	0.00
29	Ethyl Acetate	0.182	0.189	-3.8	110	0.00
30 C	chloroform	1.096	1.048	4.4	112	0.00
31	Tetrahydrofuran	0.770	0.656	14.8	92	0.00
32 C	1,2-dichloroethane	0.643	0.510	20.7	93	0.00
33 I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00
34 C	hexane	0.298	0.335	-12.4	122	0.00
36 C	1,1,1-trichloroethane	0.314	0.269	14.3	96	0.00
37 C	benzene	0.713	0.674	5.5	108	0.00
38 C	carbon tetrachloride	0.281	0.277	1.4	108	0.00
39	cyclohexane	0.320	0.373	-16.6	130	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
40	Dibromomethane	0.227	0.202	11.0	100	0.00
41 C	1,2-dichloropropane	0.256	0.211	17.6	97	0.00
42	bromodichloromethane	0.345	0.380	-10.1	123	0.00
43 C	1,4-dioxane	0.140	0.151	-7.9	119	0.00
44 C	trichloroethene	0.358	0.310	13.4	100	0.00
45 C	2,2,4-trimethylpentane	0.968	1.102	-13.8	125	0.00
46	heptane	0.458	0.409	10.7	96	0.00
47 C	cis-1,3-dichloropropene	0.312	0.327	-4.8	114	0.00
48 C	4-methyl-2-pentanone	0.541	0.485	10.4	96	0.00
49	trans-1,3-dichloropropene	0.222	0.249	-12.2	120	0.00
50 C	1,1,2-trichloroethane	0.298	0.255	14.4	97	0.00
51 I	chlorobenzene-D5	1.000	1.000	0.0	98	0.00
52 C	toluene	6.307	5.588	11.4	102	0.00
54	2-hexanone	3.849	3.301	14.2	95	0.00
55	dibromochloromethane	2.721	2.889	-6.2	119	0.00
56 C	1,2-dibromoethane	3.236	2.918	9.8	106	0.00
57 C	tetrachloroethene	2.597	2.195	15.5	103	0.00
58	1,1,1,2-tetrachloroethane	2.264	2.050	9.5	104	0.00
59 C	chlorobenzene	5.592	5.122	8.4	111	0.00
60 C	ethylbenzene	8.303	7.104	14.4	101	0.00
61 C	m+p-xylene	6.570	5.721	12.9	102	0.00
62 C	bromofom	1.881	2.076	-10.4	122	0.00
63 C	styrene	5.187	4.938	4.8	108	0.00
64 C	1,1,2,2-tetrachloroethane	4.671	4.742	-1.5	118	0.00
65 C	o-xylene	6.635	5.817	12.3	102	0.00
66	1,2,3-Trichloropropane	3.506	3.292	6.1	114	0.00
68 C	isopropylbenzene	8.098	8.084	0.2	113	0.00
69	Bromobenzene	4.530	4.485	1.0	119	0.00
70	4-ethyl toluene	8.703	8.463	2.8	115	0.00
71	1,3,5-trimethylbenzene	7.351	7.137	2.9	112	0.00
72	tert-butylbenzene	7.512	7.485	0.4	112	0.00
73	1,2,4-trimethylbenzene	7.339	7.180	2.2	111	0.00
74 C	Benzyl Chloride	2.952	3.111	-5.4	118	0.00
75	1,3-dichlorobenzene	4.808	4.692	2.4	112	0.00
76 C	1,4-dichlorobenzene	4.681	4.614	1.4	109	0.00
77	sec-butylbenzene	10.345	10.304	0.4	112	0.00
78	p-isopropyltoluene	9.061	8.716	3.8	109	0.00
79	1,2-dichlorobenzene	4.690	4.390	6.4	111	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
80	n-butylbenzene	7.624	7.691	-0.9	110	0.02
81	1,2-dibromo-3-chloropropane	1.402	1.628	-16.1	121	0.02
82 C	1,2,4-trichlorobenzene	2.806	2.905	-3.5	111	0.04
83	naphthalene	8.244	9.028	-9.5	111	0.05
84	1,2,3-trichlorobenzene	2.540	2.716	-6.9	113	0.05
85 C	hexachlorobutadiene	2.768	2.562	7.4	105	0.05

* 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\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.808	49	167129	10.000	ppbV	0.00
Standard Area = 179491			Recovery =		93.11%	
33) 1,4-difluorobenzene	11.023	114	484429	10.000	ppbV	0.00
Standard Area = 530722			Recovery =		91.28%	
51) chlorobenzene-D5	15.783	54	65598	10.000	ppbV	0.00
Standard Area = 67250			Recovery =		97.54%	

System Monitoring Compounds

Target Compounds					Qvalue
2) propylene	3.790	41	36098M6	4.698	ppbV
3) dichlorodifluoromethane	3.868	85	87698	4.813	ppbV 98
4) chloromethane	4.018	50	36793	3.953	ppbV 97
5) Freon-114	4.120	85	104832	4.518	ppbV 98
6) vinyl chloride	4.234	62	42935	4.560	ppbV 99
7) 1,3-butadiene	4.372	54	36582	4.391	ppbV 99
8) bromomethane	4.642	94	39654	4.651	ppbV 100
9) chloroethane	4.816	64	20584	4.600	ppbV 91
10) ethanol	4.936	31	136752M3	20.940	ppbV
11) vinyl bromide	5.183	106	37611	4.183	ppbV 99
12) acrolein	5.300	56	19004	4.500	ppbV 96
13) acetone	5.433	43	306129	22.348	ppbV # 82
14) trichlorofluoromethane	5.627	101	76981	4.240	ppbV 99
15) isopropyl alcohol	5.700	45	177120	10.496	ppbV # 98
16) acrylonitrile	5.937	53	42803	5.891	ppbV 97
17) 1,1-dichloroethene	6.306	61	60789	4.528	ppbV 97
18) tertiary butyl alcohol	6.342	59	71898	5.440	ppbV # 85
19) methylene chloride	6.444	49	61072	5.144	ppbV 96
20) 3-chloropropene	6.570	41	60276	4.350	ppbV # 95
21) carbon disulfide	6.738	76	135942	4.766	ppbV 94
22) Freon 113	6.744	101	87560	4.334	ppbV 93
23) trans-1,2-dichloroethene	7.467	61	60025	4.396	ppbV 94
24) 1,1-dichloroethane	7.692	63	72313	4.174	ppbV 98
25) MTBE	7.758	73	105321	4.553	ppbV 93
26) vinyl acetate	7.875	43	80394	3.967	ppbV # 92
27) 2-butanone	8.117	43	94189	4.261	ppbV # 97
28) cis-1,2-dichloroethene	8.625	61	57279	4.460	ppbV 92
29) Ethyl Acetate	8.892	61	15819	5.188	ppbV 81
30) chloroform	8.967	83	87602	4.783	ppbV 97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Tetrahydrofuran	9.383	42	54811	4.260	ppbV	95
32) 1,2-dichloroethane	9.783	62	42602	3.963	ppbV #	93
34) hexane	8.883	57	81069	5.614	ppbV #	71
36) 1,1,1-trichloroethane	10.075	97	65120	4.282	ppbV	97
37) benzene	10.597	78	163240	4.727	ppbV	95
38) carbon tetrachloride	10.770	117	67057	4.918	ppbV	99
39) cyclohexane	10.910	56	90389	5.833	ppbV #	88
40) Dibromomethane	11.503	93	48955	4.452	ppbV #	98
41) 1,2-dichloropropane	11.537	63	51132	4.121	ppbV	97
42) bromodichloromethane	11.763	83	92038	5.501	ppbV	99
43) 1,4-dioxane	11.797	88	36545	5.381	ppbV	100
44) trichloroethene	11.817	130	74985	4.318	ppbV	96
45) 2,2,4-trimethylpentane	11.870	57	266923	5.690	ppbV #	88
46) heptane	12.190	43	98951	4.461	ppbV #	84
47) cis-1,3-dichloropropene	12.825	75	79220	5.249	ppbV	93
48) 4-methyl-2-pentanone	12.867	43	117568	4.484	ppbV #	87
49) trans-1,3-dichloropropene	13.450	75	60261	5.594	ppbV	93
50) 1,1,2-trichloroethane	13.658	97	61845	4.282	ppbV #	88
52) toluene	13.983	91	183284	4.430	ppbV	98
54) 2-hexanone	14.275	43	108283	4.288	ppbV #	87
55) dibromochloromethane	14.450	129	94760	5.308	ppbV	99
56) 1,2-dibromoethane	14.700	107	95696	4.508	ppbV	98
57) tetrachloroethene	15.175	166	71981	4.225	ppbV	97
58) 1,1,1,2-tetrachloroethane	15.808	131	67224	4.526	ppbV	99
59) chlorobenzene	15.825	112	167985	4.580	ppbV	97
60) ethylbenzene	16.183	91	233010	4.278	ppbV	97
61) m+p-xylene	16.350	91	375284	8.707	ppbV	97
62) bromoform	16.417	173	68089	5.517	ppbV	99
63) styrene	16.675	104	161947	4.759	ppbV	95
64) 1,1,2,2-tetrachloroethane	16.767	83	155525	5.076	ppbV	98
65) o-xylene	16.775	91	190794	4.383	ppbV	95
66) 1,2,3-Trichloropropane	16.883	75	107984	4.695	ppbV #	96
68) isopropylbenzene	17.292	105	265149	4.991	ppbV	97
69) Bromobenzene	17.367	77	147118	4.950	ppbV	96
70) 4-ethyl toluene	17.858	105	277563	4.862	ppbV	99
71) 1,3,5-trimethylbenzene	17.925	105	234091	4.855	ppbV	97
72) tert-butylbenzene	18.267	119	245503	4.982	ppbV	94
73) 1,2,4-trimethylbenzene	18.267	105	235508	4.892	ppbV	99
74) Benzyl Chloride	18.392	91	102033	5.269	ppbV	96
75) 1,3-dichlorobenzene	18.400	146	153904	4.880	ppbV	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
 Data File : r1745964_Ev2.D
 Acq On : 21 Dec 2024 1:05 PM
 Operator : AIRLAB17:BJB
 Sample : CT015-SIMSTD5.0
 Misc : WG2012831
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 23 14:37:20 2024
 Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

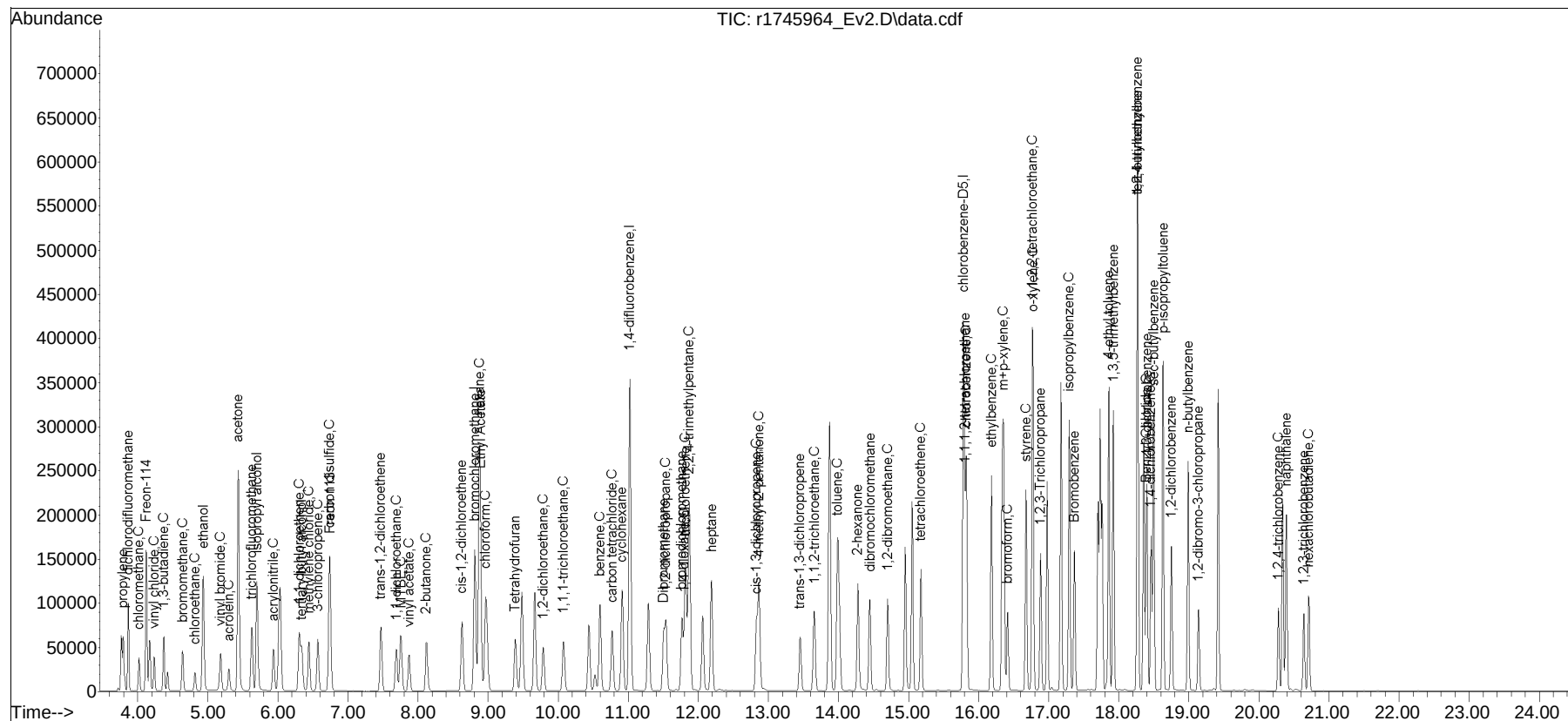
CCAL FILE : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\r1745956_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.458	146	151338	4.928	ppbV	92
77) sec-butylbenzene	18.500	105	337945	4.980	ppbV	100
78) p-isopropyltoluene	18.633	119	285876	4.810	ppbV	100
79) 1,2-dichlorobenzene	18.750	146	143988	4.681	ppbV	99
80) n-butylbenzene	18.992	91	252255	5.044	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.133	75	53394	5.808	ppbV #	92
82) 1,2,4-trichlorobenzene	20.275	180	95278	5.176	ppbV	96
83) naphthalene	20.392	128	296106M3	5.476	ppbV	
84) 1,2,3-trichlorobenzene	20.642	180	89087	5.347	ppbV	99
85) hexachlorobutadiene	20.708	225	84036	4.629	ppbV	100

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

```
Data Path : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\
Data File : r1745964_Ev2.D
Acq On    : 21 Dec 2024   1:05 PM
Operator  : AIRLAB17:BJB
Sample    : CT015-SIMSTD5.0
Misc      : WG2012831
ALS Vial  : 0    Sample Multiplier: 1
```

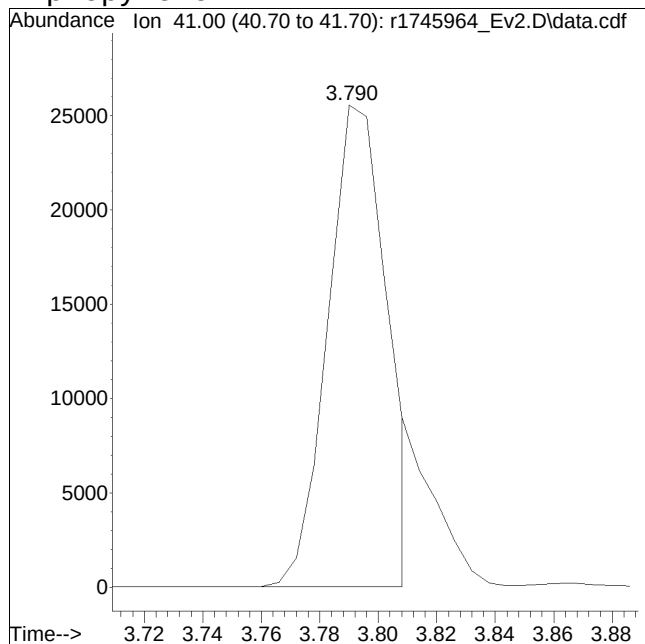
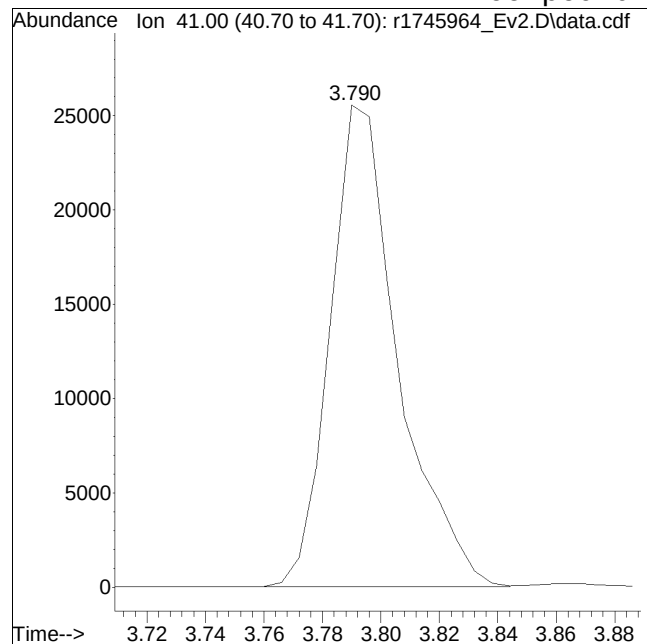
Quant Time: Dec 23 14:37:20 2024
Quant Method : X:\Airlab\Data\Airlab17\2024\12\1220SIM_I\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1745964_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:05 PM Instrument :
Sample : CT015-SIMSTD5.0 Quant Date : 12/23/2024 2:37 pm

Compound #2: propylene



Original Peak Response = 41231

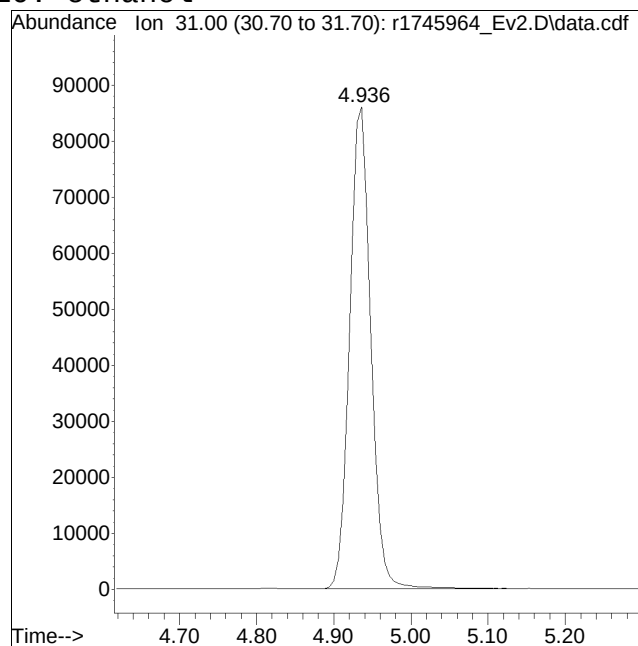
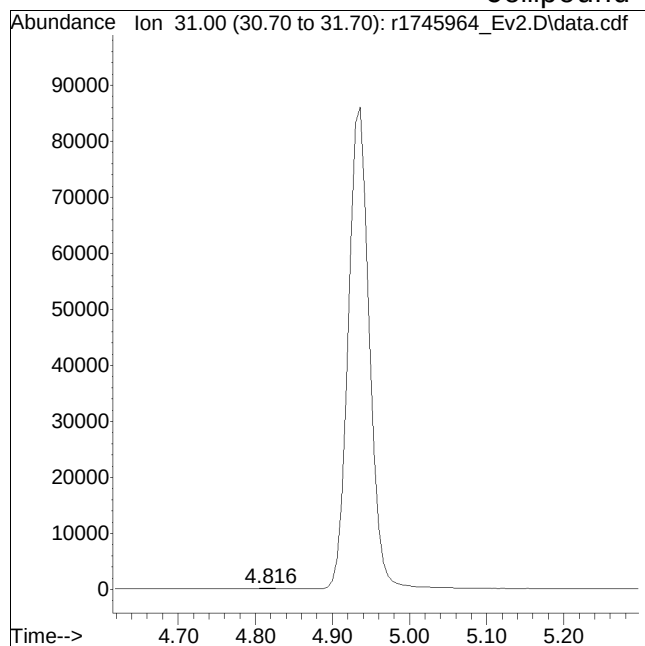
Manual Peak Response = 36098 M6

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

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1745964_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:05 PM Instrument :
Sample : CT015-SIMSTD5.0 Quant Date : 12/23/2024 2:37 pm

Compound #10: ethanol



Original Peak Response = 307

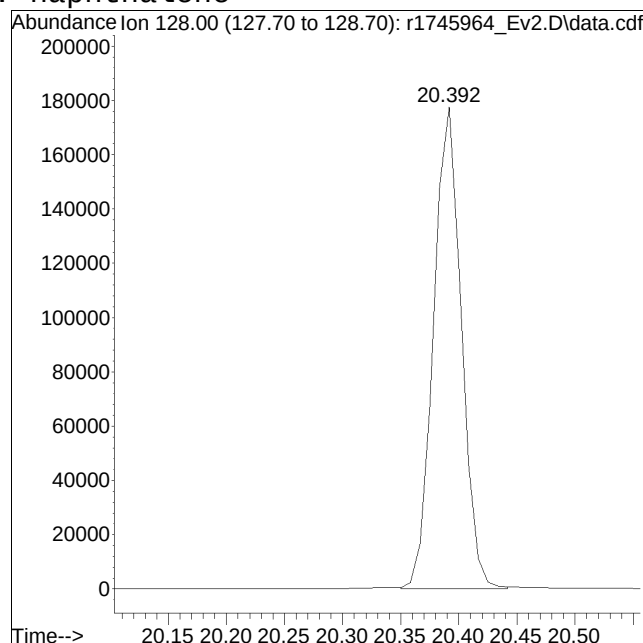
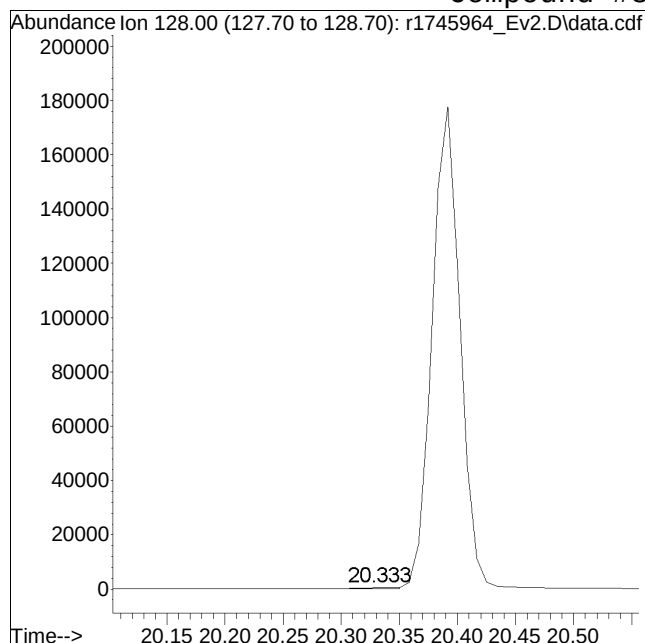
Manual Peak Response = 136752 M3

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\Airlab17\200Method : TSIM17_241220.M
Data File : r1745964_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 12/21/2024 1:05 PM Instrument :
Sample : CT015-SIMSTD5.0 Quant Date : 12/23/2024 2:37 pm

Compound #83: naphthalene



Original Peak Response = 1515

Manual Peak Response = 296106 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.

Continuing Calibration

Calibration Verification Summary

Form 7

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Lab File ID : R1747484_EV2
 Sample No : WG2037509-2
 Channel :

Lab Number : L2509499
 Project Number : 195601412
 Calibration Date : 03/06/25 17:26
 Init. Calib. Date(s) : 12/21/24 12/21/24
 Init. Calib. Times : 01:51 07:33

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	88	.06
propylene	0.46	0.604	-	-31.3*	30	130	.04
dichlorodifluoromethane	1.09	0.92	-	15.6	30	84	.04
chloromethane	0.557	0.477	-	14.4	30	85	.04
Freon-114	1.388	1.239	-	10.7	30	94	.04
vinyl chloride	0.563	0.495	-	12.1	30	96	.04
1,3-butadiene	0.498	0.403	-	19.1	30	92	.04
bromomethane	0.51	0.479	-	6.1	30	103	.04
chloroethane	0.268	0.241	-	10.1	30	101	.05
ethanol	0.391	0.296	-	24.3	30	68	.04
vinyl bromide	0.538	0.482	-	10.4	30	98	.05
acrolein	0.253	0.19	-	24.9	30	87	.05
acetone	0.82	0.693	-	15.5	30	86	.05
trichlorofluoromethane	1.086	0.826	-	23.9	30	80	.05
isopropyl alcohol	1.01	1.167	-	-15.5	30	106	.05
acrylonitrile	0.435	0.426	-	2.1	30	102	.05
1,1-dichloroethene	0.803	0.894	-	-11.3	30	121	.05
tertiary butyl alcohol	0.791	0.871	-	-10.1	30	111	.05
methylene chloride	0.71	0.698	-	1.7	30	102	.05
3-chloropropene	0.829	0.813	-	1.9	30	105	.06
carbon disulfide	1.707	1.622	-	5	30	98	.06
Freon 113	1.209	1.217	-	-0.7	30	107	.05
trans-1,2-dichloroethene	0.817	0.828	-	-1.3	30	112	.06
1,1-dichloroethane	1.037	1.09	-	-5.1	30	114	.07
MTBE	1.384	1.117	-	19.3	30	90	.07
vinyl acetate	1.213	0.864	-	28.8	30	74	.06
2-butanone	1.323	1.218	-	7.9	30	94	.07
cis-1,2-dichloroethene	0.768	0.804	-	-4.7	30	113	.06
Ethyl Acetate	0.182	0.217	-	-19.2	30	120	.06
chloroform	1.096	1.136	-	-3.6	30	114	.06
Tetrahydrofuran	0.77	0.682	-	11.4	30	90	.07
1,2-dichloroethane	0.643	0.687	-	-6.8	30	118	.06
1,4-difluorobenzene	1	1	-	0	30	87	.06
hexane	0.298	0.361	-	-21.1	30	125	.07
1,1,1-trichloroethane	0.314	0.331	-	-5.4	30	113	.06
benzene	0.713	0.674	-	5.5	30	102	.06
carbon tetrachloride	0.281	0.317	-	-12.8	30	118	.06
cyclohexane	0.32	0.333	-	-4.1	30	110	.06
Dibromomethane	0.227	0.24	-	-5.7	30	113	.06
1,2-dichloropropane	0.256	0.257	-	-0.4	30	112	.06
bromodichloromethane	0.345	0.387	-	-12.2	30	119	.06
1,4-dioxane	0.14	0.146	-	-4.3	30	110	.06
trichloroethene	0.358	0.344	-	3.9	30	106	.06

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Air Volatiles

Client : Stantec
 Project Name : BELLE HARBOR
 Instrument ID : AIRLAB17
 Lab File ID : R1747484_EV2
 Sample No : WG2037509-2
 Channel :

Lab Number : L2509499
 Project Number : 195601412
 Calibration Date : 03/06/25 17:26
 Init. Calib. Date(s) : 12/21/24 12/21/24
 Init. Calib. Times : 01:51 07:33

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	0.968	1.103	-	-13.9	30	118	.06
cis-1,3-dichloropropene	0.312	0.302	-	3.2	30	100	.06
4-methyl-2-pentanone	0.541	0.5	-	7.6	30	94	.06
trans-1,3-dichloropropene	0.222	0.231	-	-4.1	30	105	.06
1,1,2-trichloroethane	0.298	0.285	-	4.4	30	103	.06
chlorobenzene-D5	1	1	-	0	30	96	.05
toluene	6.307	5.891	-	6.6	30	106	.06
2-hexanone	3.849	3.041	-	21	30	86	.05
dibromochloromethane	2.721	2.992	-	-10	30	121	.05
1,2-dibromoethane	3.236	3.066	-	5.3	30	109	.06
tetrachloroethene	2.597	2.317	-	10.8	30	107	.05
1,1,1,2-tetrachloroethane	2.264	2.199	-	2.9	30	110	.05
chlorobenzene	5.592	5.113	-	8.6	30	109	.05
ethylbenzene	8.303	7.079	-	14.7	30	98	.06
m+p-xylene	6.57	6.058	-	7.8	30	106	.05
bromoform	1.881	2.207	-	-17.3	30	127	.05
styrene	5.187	4.61	-	11.1	30	99	.05
1,1,2,2-tetrachloroethane	4.671	4.972	-	-6.4	30	122	.06
o-xylene	6.635	6.235	-	6	30	108	.05
1,2,3-Trichloropropane	3.506	3.244	-	7.5	30	110	.05
isopropylbenzene	8.098	7.839	-	3.2	30	108	.05
Bromobenzene	4.53	4.27	-	5.7	30	112	.05
4-ethyl toluene	8.703	8.061	-	7.4	30	108	.05
1,3,5-trimethylbenzene	7.351	7.206	-	2	30	111	.05
tert-butylbenzene	7.512	7.16	-	4.7	30	105	.04
1,2,4-trimethylbenzene	7.339	7.113	-	3.1	30	108	.05
Benzyl Chloride	2.952	2.894	-	2	30	108	.05
1,3-dichlorobenzene	4.808	4.895	-	-1.8	30	115	.05
1,4-dichlorobenzene	4.681	4.807	-	-2.7	30	112	.05
sec-butylbenzene	10.345	10.016	-	3.2	30	107	.05
p-isopropyltoluene	9.061	7.933	-	12.4	30	97	.05
1,2-dichlorobenzene	4.69	4.508	-	3.9	30	112	.06
n-butylbenzene	7.624	7.534	-	1.2	30	106	.06
1,2-dibromo-3-chloropropan	1.402	1.521	-	-8.5	30	111	.07
1,2,4-trichlorobenzene	2.806	2.446	-	12.8	30	92	.09
naphthalene	8.244	7.939	-	3.7	30	96	.1
1,2,3-trichlorobenzene	2.54	2.464	-	3	30	100	.1
hexachlorobutadiene	2.768	2.74	-	1	30	110	.1

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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	88	0.06
2	propylene	0.460	0.604	-31.3#	130	0.04
3	dichlorodifluoromethane	1.090	0.920	15.6	84	0.04
4 C	chloromethane	0.557	0.477	14.4	85	0.04
5	Freon-114	1.388	1.239	10.7	94	0.04
6 C	vinyl chloride	0.563	0.495	12.1	96	0.04
7 C	1,3-butadiene	0.498	0.403	19.1	92	0.04
8 C	bromomethane	0.510	0.479	6.1	103	0.04
9 C	chloroethane	0.268	0.241	10.1	101	0.05
10	ethanol	0.391	0.296	24.3	68	0.04
11 C	vinyl bromide	0.538	0.482	10.4	98	0.05
12 C	acrolein	0.253	0.190	24.9	87	0.05
13	acetone	0.820	0.693	15.5	86	0.05
14	trichlorofluoromethane	1.086	0.826	23.9	80	0.05
15	isopropyl alcohol	1.010	1.167	-15.5	106	0.05
16 C	acrylonitrile	0.435	0.426	2.1	102	0.05
17 C	1,1-dichloroethene	0.803	0.894	-11.3	121	0.05
18	tertiary butyl alcohol	0.791	0.871	-10.1	111	0.05
19 C	methylene chloride	0.710	0.698	1.7	102	0.05
20 C	3-chloropropene	0.829	0.813	1.9	105	0.06
21 C	carbon disulfide	1.707	1.622	5.0	98	0.06
22	Freon 113	1.209	1.217	-0.7	107	0.05
23	trans-1,2-dichloroethene	0.817	0.828	-1.3	112	0.06
24 C	1,1-dichloroethane	1.037	1.090	-5.1	114	0.07
25 C	MTBE	1.384	1.117	19.3	90	0.07
26 C	vinyl acetate	1.213	0.864	28.8	74	0.06
27 C	2-butanone	1.323	1.218	7.9	94	0.07
28	cis-1,2-dichloroethene	0.768	0.804	-4.7	113	0.06
29	Ethyl Acetate	0.182	0.217	-19.2	120	0.06
30 C	chloroform	1.096	1.136	-3.6	114	0.06
31	Tetrahydrofuran	0.770	0.682	11.4	90	0.07
32 C	1,2-dichloroethane	0.643	0.687	-6.8	118	0.06
33 I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.06
34 C	hexane	0.298	0.361	-21.1	125	0.07
36 C	1,1,1-trichloroethane	0.314	0.331	-5.4	113	0.06
37 C	benzene	0.713	0.674	5.5	102	0.06
38 C	carbon tetrachloride	0.281	0.317	-12.8	118	0.06
39	cyclohexane	0.320	0.333	-4.1	110	0.06

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
40	Dibromomethane	0.227	0.240	-5.7	113	0.06
41 C	1,2-dichloropropane	0.256	0.257	-0.4	112	0.06
42	bromodichloromethane	0.345	0.387	-12.2	119	0.06
43 C	1,4-dioxane	0.140	0.146	-4.3	110	0.06
44 C	trichloroethene	0.358	0.344	3.9	106	0.06
45 C	2,2,4-trimethylpentane	0.968	1.103	-13.9	118	0.06
46	heptane	0.458	0.001	99.8#	0#	0.00
47 C	cis-1,3-dichloropropene	0.312	0.302	3.2	100	0.06
48 C	4-methyl-2-pentanone	0.541	0.500	7.6	94	0.06
49	trans-1,3-dichloropropene	0.222	0.231	-4.1	105	0.06
50 C	1,1,2-trichloroethane	0.298	0.285	4.4	103	0.06
51 I	chlorobenzene-D5	1.000	1.000	0.0	96	0.05
52 C	toluene	6.307	5.891	6.6	106	0.06
54	2-hexanone	3.849	3.041	21.0	86	0.05
55	dibromochloromethane	2.721	2.992	-10.0	121	0.05
56 C	1,2-dibromoethane	3.236	3.066	5.3	109	0.06
57 C	tetrachloroethene	2.597	2.317	10.8	107	0.05
58	1,1,1,2-tetrachloroethane	2.264	2.199	2.9	110	0.05
59 C	chlorobenzene	5.592	5.113	8.6	109	0.05
60 C	ethylbenzene	8.303	7.079	14.7	98	0.06
61 C	m+p-xylene	6.570	6.058	7.8	106	0.05
62 C	bromoform	1.881	2.207	-17.3	127	0.05
63 C	styrene	5.187	4.610	11.1	99	0.05
64 C	1,1,2,2-tetrachloroethane	4.671	4.972	-6.4	122	0.06
65 C	o-xylene	6.635	6.235	6.0	108	0.05
66	1,2,3-Trichloropropane	3.506	3.244	7.5	110	0.05
68 C	isopropylbenzene	8.098	7.839	3.2	108	0.05
69	Bromobenzene	4.530	4.270	5.7	112	0.05
70	4-ethyl toluene	8.703	8.061	7.4	108	0.05
71	1,3,5-trimethylbenzene	7.351	7.206	2.0	111	0.05
72	tert-butylbenzene	7.512	7.160	4.7	105	0.04
73	1,2,4-trimethylbenzene	7.339	7.113	3.1	108	0.05
74 C	Benzyl Chloride	2.952	2.894	2.0	108	0.05
75	1,3-dichlorobenzene	4.808	4.895	-1.8	115	0.05
76 C	1,4-dichlorobenzene	4.681	4.807	-2.7	112	0.05
77	sec-butylbenzene	10.345	10.016	3.2	107	0.05
78	p-isopropyltoluene	9.061	7.933	12.4	97	0.05
79	1,2-dichlorobenzene	4.690	4.508	3.9	112	0.06

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
80	n-butylbenzene	7.624	7.534	1.2	106	0.06
81	1,2-dibromo-3-chloropropane	1.402	1.521	-8.5	111	0.07
82 C	1,2,4-trichlorobenzene	2.806	2.446	12.8	92	0.09
83	naphthalene	8.244	7.939	3.7	96	0.10
84	1,2,3-trichlorobenzene	2.540	2.464	3.0	100	0.10
85 C	hexachlorobutadiene	2.768	2.740	1.0	110	0.10

* 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\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.875	49	157683	10.000	ppbV	0.06
Standard Area = 157683			Recovery =	100.00%		
33) 1,4-difluorobenzene	11.090	114	460428	10.000	ppbV	0.06
Standard Area = 460428			Recovery =	100.00%		
51) chlorobenzene-D5	15.833	54	64423	10.000	ppbV	0.05
Standard Area = 64423			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) propylene	3.838	41	47582	6.563	ppbV	99
3) dichlorodifluoromethane	3.910	85	72559	4.221	ppbV	100
4) chloromethane	4.066	50	37612	4.283	ppbV	100
5) Freon-114	4.168	85	97663	4.461	ppbV	99
6) vinyl chloride	4.282	62	39003	4.391	ppbV	99
7) 1,3-butadiene	4.420	54	31770	4.042	ppbV	85
8) bromomethane	4.690	94	37789	4.698	ppbV	99
9) chloroethane	4.870	64	19002	4.501	ppbV	98
10) ethanol	4.984	31	116823	18.960	ppbV	90
11) vinyl bromide	5.240	106	37985	4.477	ppbV	100
12) acrolein	5.360	56	15003	3.765	ppbV	93
13) acetone	5.493	43	273118	21.133	ppbV	91
14) trichlorofluoromethane	5.687	101	65089	3.800	ppbV	96
15) isopropyl alcohol	5.760	45	229997	14.446	ppbV	98
16) acrylonitrile	5.997	53	33607	4.903	ppbV	97
17) 1,1-dichloroethene	6.366	61	70482	5.564	ppbV	91
18) tertiary butyl alcohol	6.402	59	68665	5.506	ppbV	98
19) methylene chloride	6.504	49	54994	4.910	ppbV	87
20) 3-chloropropene	6.636	41	64132	4.905	ppbV	94
21) carbon disulfide	6.804	76	127861	4.751	ppbV	98
22) Freon 113	6.804	101	95911	5.031	ppbV	96
23) trans-1,2-dichloroethene	7.533	61	65280	5.067	ppbV	88
24) 1,1-dichloroethane	7.758	63	85949	5.258	ppbV	96
25) MTBE	7.825	73	88077	4.036	ppbV	96
26) vinyl acetate	7.933	43	68110	3.562	ppbV	98
27) 2-butanone	8.192	43	96023	4.605	ppbV #	99
28) cis-1,2-dichloroethene	8.692	61	63392	5.232	ppbV	85
29) Ethyl Acetate	8.958	61	17135	5.957	ppbV	76
30) chloroform	9.025	83	89568	5.183	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Tetrahydrofuran	9.458	42	53786	4.431	ppbV	99
32) 1,2-dichloroethane	9.850	62	54177	5.342	ppbV	94
34) hexane	8.950	57	83117	6.055	ppbV	77
36) 1,1,1-trichloroethane	10.142	97	76135	5.268	ppbV	90
37) benzene	10.663	78	155057	4.724	ppbV	99
38) carbon tetrachloride	10.837	117	72889	5.624	ppbV	99
39) cyclohexane	10.977	56	76733	5.210	ppbV	96
40) Dibromomethane	11.570	93	55345	5.296	ppbV #	90
41) 1,2-dichloropropane	11.603	63	59266	5.025	ppbV	99
42) bromodichloromethane	11.830	83	89091	5.602	ppbV	99
43) 1,4-dioxane	11.863	88	33683	5.218	ppbV	96
44) trichloroethene	11.883	130	79213	4.799	ppbV	98
45) 2,2,4-trimethylpentane	11.937	57	253905	5.695	ppbV	97
46) heptane	12.183	43	325	0.015	ppbV #	51
47) cis-1,3-dichloropropene	12.892	75	69547	4.848	ppbV	96
48) 4-methyl-2-pentanone	12.925	43	115108	4.619	ppbV	92
49) trans-1,3-dichloropropene	13.517	75	53119	5.188	ppbV	95
50) 1,1,2-trichloroethane	13.717	97	65502	4.771	ppbV	89
52) toluene	14.050	91	189754	4.670	ppbV	98
54) 2-hexanone	14.333	43	97957M6	3.950	ppbV	
55) dibromochloromethane	14.500	129	96391	5.498	ppbV	99
56) 1,2-dibromoethane	14.758	107	98748	4.737	ppbV	99
57) tetrachloroethene	15.225	166	74627	4.460	ppbV	100
58) 1,1,1,2-tetrachloroethane	15.858	131	70824	4.856	ppbV	99
59) chlorobenzene	15.875	112	164700	4.572	ppbV	99
60) ethylbenzene	16.233	91	228037	4.263	ppbV	98
61) m+p-xylene	16.400	91	390291	9.221	ppbV	100
62) bromoform	16.458	173	71084	5.864	ppbV	99
63) styrene	16.725	104	148496	4.444	ppbV	98
64) 1,1,2,2-tetrachloroethane	16.817	83	160150	5.322	ppbV	99
65) o-xylene	16.817	91	200832	4.698	ppbV	99
66) 1,2,3-Trichloropropane	16.925	75	104487	4.626	ppbV	99
68) isopropylbenzene	17.342	105	252514	4.840	ppbV	100
69) Bromobenzene	17.408	77	137530	4.712	ppbV	98
70) 4-ethyl toluene	17.900	105	259652	4.631	ppbV	99
71) 1,3,5-trimethylbenzene	17.967	105	232114	4.901	ppbV	97
72) tert-butylbenzene	18.308	119	230619	4.766	ppbV	98
73) 1,2,4-trimethylbenzene	18.317	105	229130	4.846	ppbV	96
74) Benzyl Chloride	18.433	91	93205	4.901	ppbV	100
75) 1,3-dichlorobenzene	18.450	146	157682	5.091	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-2,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

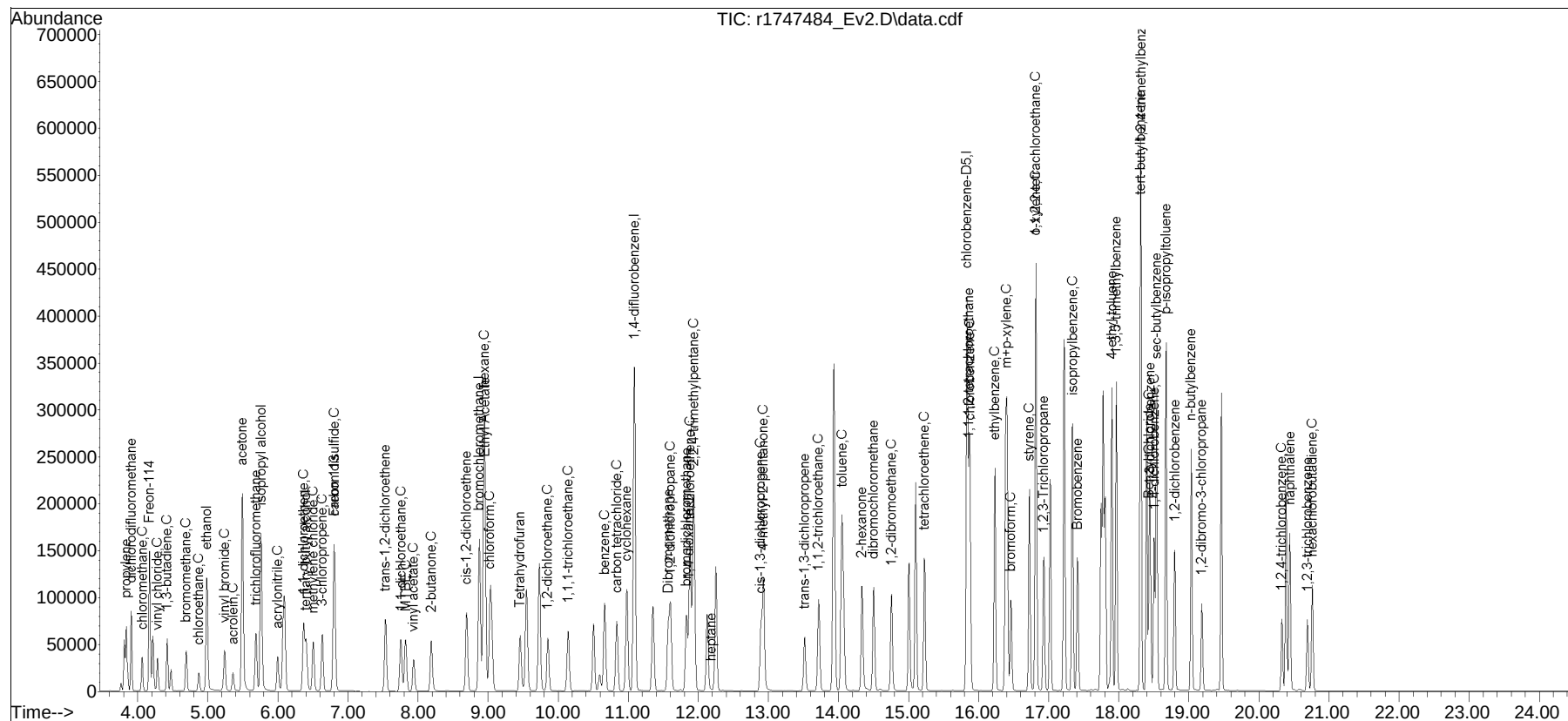
CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	1,4-dichlorobenzene	18.508	146	154849M3	5.135	ppbV	
77)	sec-butylbenzene	18.542	105	322615	4.841	ppbV	98
78)	p-isopropyltoluene	18.675	119	255535	4.378	ppbV	98
79)	1,2-dichlorobenzene	18.800	146	145204	4.806	ppbV	92
80)	n-butylbenzene	19.033	91	242669	4.940	ppbV	96
81)	1,2-dibromo-3-chloropr...	19.183	75	49004	5.427	ppbV	98
82)	1,2,4-trichlorobenzene	20.325	180	78796	4.359	ppbV	96
83)	naphthalene	20.442	128	255719	4.815	ppbV	100
84)	1,2,3-trichlorobenzene	20.692	180	79367	4.851	ppbV	99
85)	hexachlorobutadiene	20.758	225	88273M4	4.951	ppbV	

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

```
Data Path   : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File  : r1747484_Ev2.D
Acq On     : 6 Mar 2025 5:26 PM
Operator   : AIRLAB17:TPH
Sample     : WG2037509-2,3,250,250
Misc       : WG2037509,ICAL21813
ALS Vial   : 0 Sample Multiplier: 1
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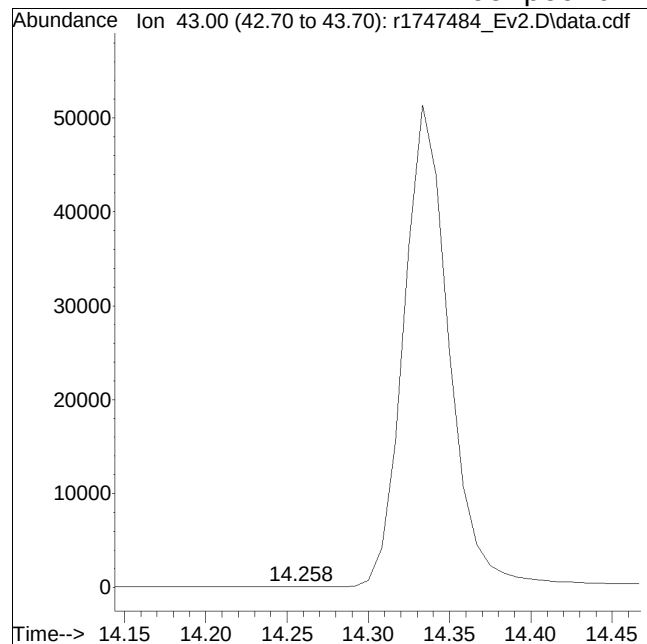
Quant Time: Mar 06 18:25:36 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration



Manual Integration Report

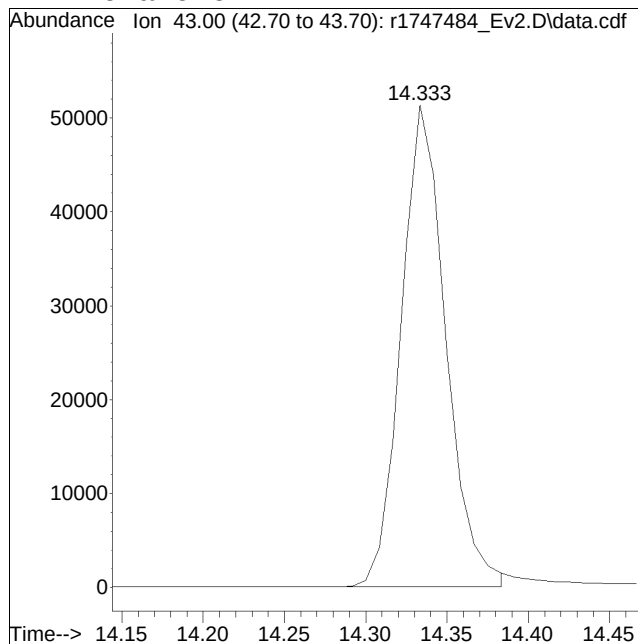
Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_241220.M
Data File : r1747484_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 5:26 PM Instrument :
Sample : WG2037509-2, 3, 250, 250 Quant Date : 3/6/2025 6:25 pm

Compound #54: 2-hexanone



Original Peak Response = 79

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

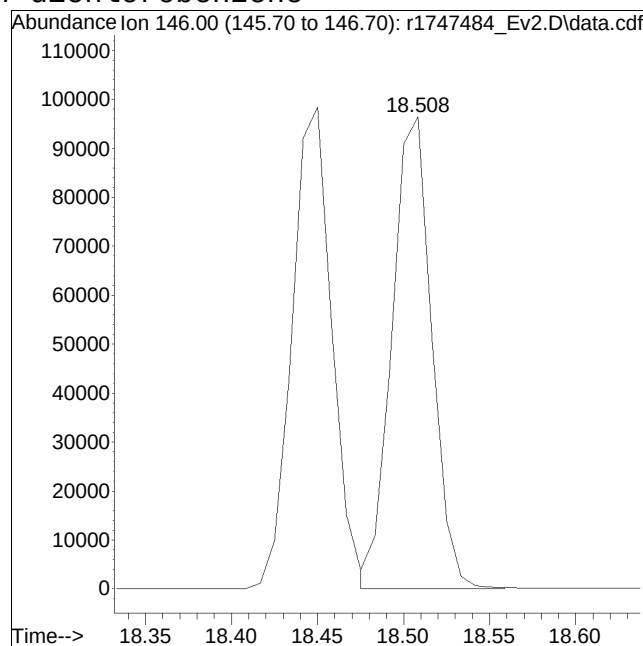
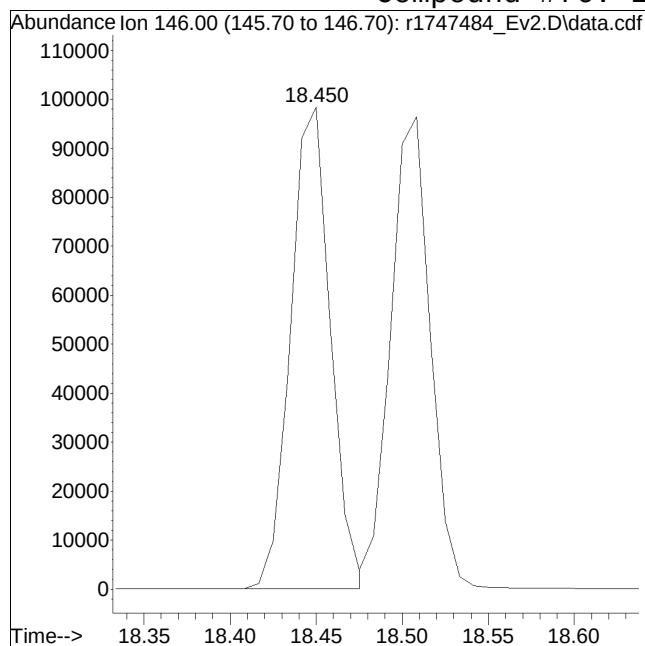


Manual Peak Response = 97957 M6

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1747484_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 5:26 PM Instrument :
Sample : WG2037509-2,3,250,250 Quant Date : 3/6/2025 6:25 pm

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 157682

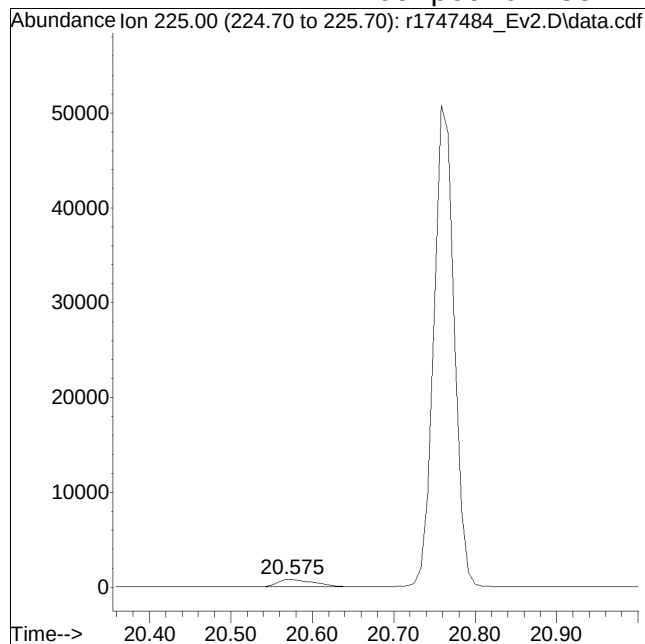
Manual Peak Response = 154849 M3

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

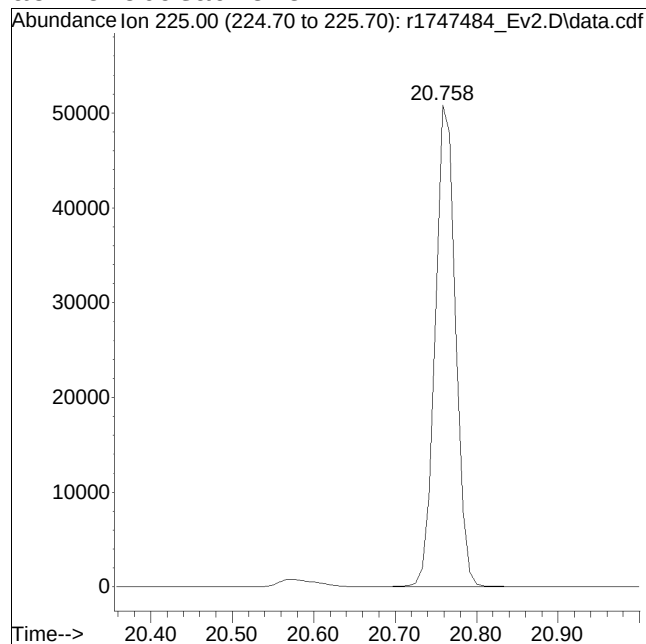
Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1747484_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 3/6/2025 5:26 PM Instrument :
Sample : WG2037509-2,3,250,250 Quant Date : 3/6/2025 6:25 pm

Compound #85: hexachlorobutadiene



Original Peak Response = 2486

M4 = Poor automated baseline construction.



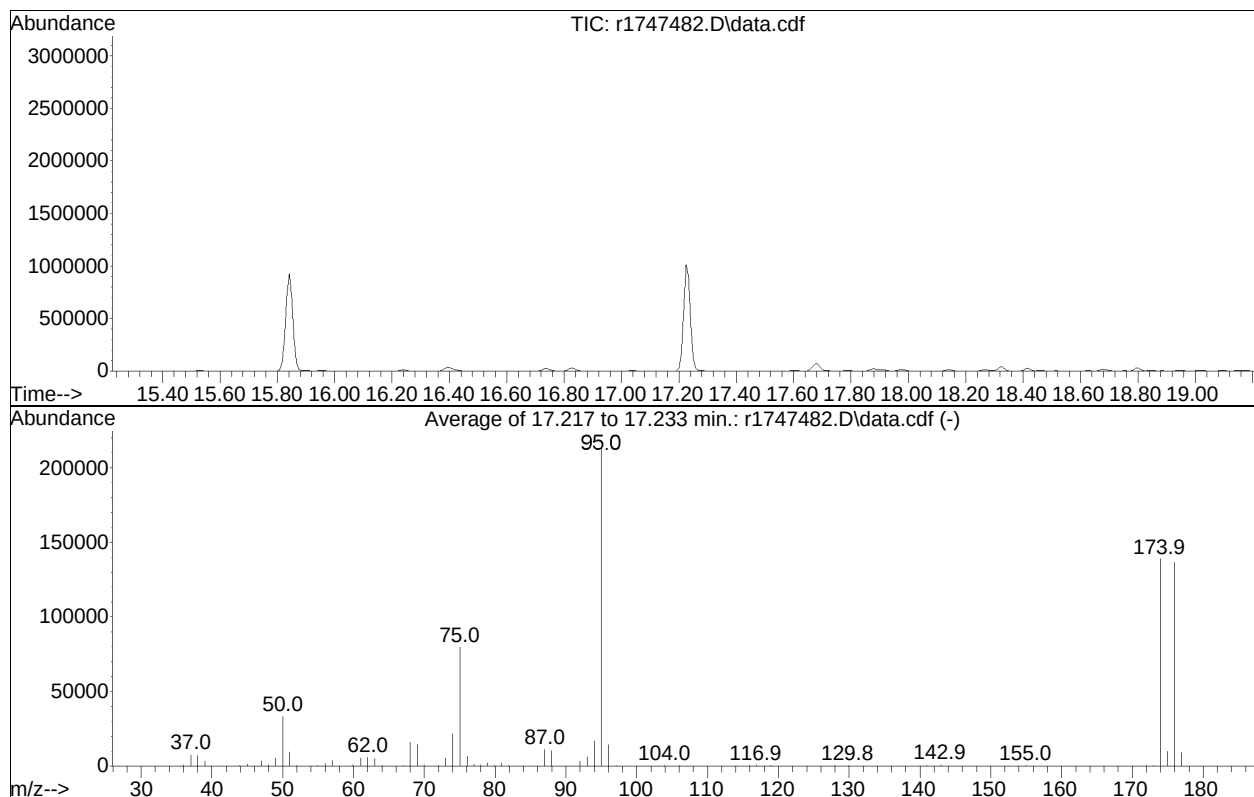
Manual Peak Response = 88273 M4

BFB

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747482.D
Acq On : 6 Mar 2025 4:08 PM
Operator : AIRLAB17:TPH
Sample : WG2037509-1,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Title : T0-14A/T0-15 SIM/Full Scan Analysis
Last Update : Mon Dec 23 14:33:59 2024



Spectrum Information: Average of 17.217 to 17.233 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.5	33263	PASS
75	95	30	66	37.4	80009	PASS
95	95	100	100	100.0	214176	PASS
96	95	5	9	6.7	14392	PASS
173	174	0.00	2	0.5	721	PASS
174	95	50	120	64.9	139057	PASS
175	174	4	9	7.1	9843	PASS
176	174	93	101	98.3	136707	PASS
177	176	5	9	6.6	9047	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747486_Ev2.D
 Acq On : 6 Mar 2025 7:37 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-4,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:56:25 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.875	49	154049	10.000	ppbV	0.06
Standard Area = 157683			Recovery =		97.70%	
33) 1,4-difluorobenzene	11.090	114	412868	10.000	ppbV	0.06
Standard Area = 460428			Recovery =		89.67%	
51) chlorobenzene-D5	15.833	54	59329	10.000	ppbV	0.05
Standard Area = 64423			Recovery =		92.09%	

System Monitoring Compounds

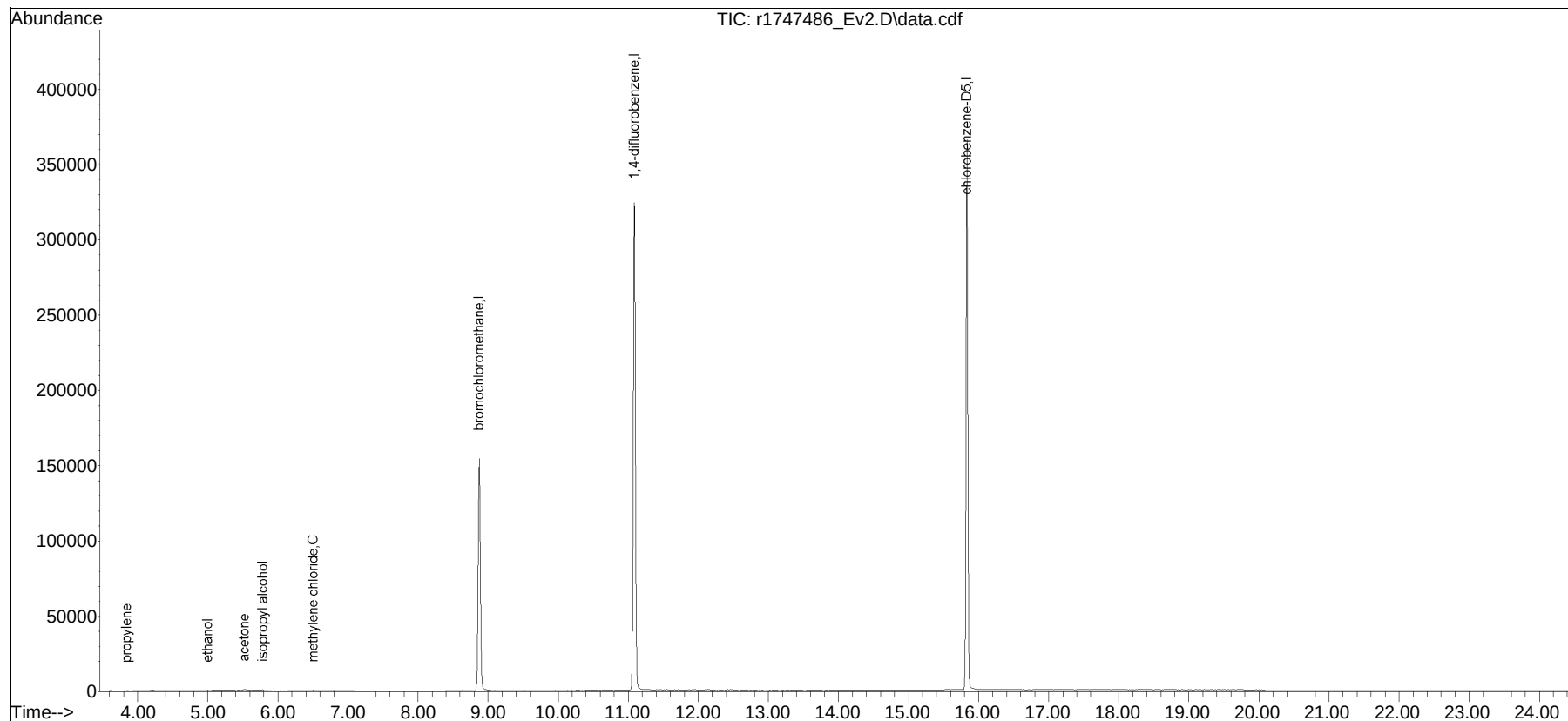
Target Compounds			Qvalue
6) vinyl chloride	0.000	0	N.D.
17) 1,1-dichloroethene	0.000	0	N.D.
28) cis-1,2-dichloroethene	0.000	0	N.D.
36) 1,1,1-trichloroethane	10.192	0	N.D.
38) carbon tetrachloride	10.810	0	N.D.
44) trichloroethene	0.000	0	N.D.
57) tetrachloroethene	0.000	0	N.D.

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

Sub List : Default-LCS-AP2 - All compounds listedM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747486_Ev2.D
Acq On : 6 Mar 2025 7:37 PM
Operator : AIRLAB17:TPH
Sample : WG2037509-4,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:56:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\200	Method	: TSIM17_241220.M
Data File	: r1747486_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 3/6/2025 7:37 PM	Instrument	:
Sample	: WG2037509-4,3,250,250	Quant Date	: 3/7/2025 7:56 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-3,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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	88	0.06
2	propylene	5.000	6.563	-31.3#	130	0.04
3	dichlorodifluoromethane	5.000	4.221	15.6	84	0.04
4 C	chloromethane	5.000	4.283	14.3	85	0.04
5	Freon-114	5.000	4.461	10.8	94	0.04
6 C	vinyl chloride	5.000	4.391	12.2	96	0.04
7 C	1,3-butadiene	5.000	4.042	19.2	92	0.04
8 C	bromomethane	5.000	4.698	6.0	103	0.04
9 C	chloroethane	5.000	4.501	10.0	101	0.05
10	ethanol	25.000	18.960	24.2	68	0.04
11 C	vinyl bromide	5.000	4.477	10.5	98	0.05
12 C	acrolein	5.000	3.765	24.7	87	0.05
13	acetone	25.000	21.133	15.5	86	0.05
14	trichlorofluoromethane	5.000	3.800	24.0	80	0.05
15	isopropyl alcohol	12.500	14.446	-15.6	106	0.05
16 C	acrylonitrile	5.000	4.903	1.9	102	0.05
17 C	1,1-dichloroethene	5.000	5.564	-11.3	121	0.05
18	tertiary butyl alcohol	5.000	5.506	-10.1	111	0.05
19 C	methylene chloride	5.000	4.910	1.8	102	0.05
20 C	3-chloropropene	5.000	4.905	1.9	105	0.06
21 C	carbon disulfide	5.000	4.751	5.0	98	0.06
22	Freon 113	5.000	5.031	-0.6	107	0.05
23	trans-1,2-dichloroethene	5.000	5.067	-1.3	112	0.06
24 C	1,1-dichloroethane	5.000	5.258	-5.2	114	0.07
25 C	MTBE	5.000	4.036	19.3	90	0.07
26 C	vinyl acetate	5.000	3.562	28.8	74	0.06
27 C	2-butanone	5.000	4.605	7.9	94	0.07
28	cis-1,2-dichloroethene	5.000	5.232	-4.6	113	0.06
29	Ethyl Acetate	5.000	5.957	-19.1	120	0.06
30 C	chloroform	5.000	5.183	-3.7	114	0.06
31	Tetrahydrofuran	5.000	4.431	11.4	90	0.07
32 C	1,2-dichloroethane	5.000	5.342	-6.8	118	0.06
33 I	1,4-difluorobenzene	10.000	10.000	0.0	87	0.06
34 C	hexane	5.000	6.055	-21.1	125	0.07
36 C	1,1,1-trichloroethane	5.000	5.268	-5.4	113	0.06
37 C	benzene	5.000	4.724	5.5	102	0.06
38 C	carbon tetrachloride	5.000	5.624	-12.5	118	0.06
39	cyclohexane	5.000	5.210	-4.2	110	0.06

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-3,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
40	Dibromomethane	5.000	5.296	-5.9	113	0.06
41 C	1,2-dichloropropane	5.000	5.025	-0.5	112	0.06
42	bromodichloromethane	5.000	5.602	-12.0	119	0.06
43 C	1,4-dioxane	5.000	5.218	-4.4	110	0.06
44 C	trichloroethene	5.000	4.799	4.0	106	0.06
45 C	2,2,4-trimethylpentane	5.000	5.695	-13.9	118	0.06
46	heptane	5.000	0.015	99.7#	0	0.00
47 C	cis-1,3-dichloropropene	5.000	4.848	3.0	100	0.06
48 C	4-methyl-2-pentanone	5.000	4.619	7.6	94	0.06
49	trans-1,3-dichloropropene	5.000	5.188	-3.8	105	0.06
50 C	1,1,2-trichloroethane	5.000	4.771	4.6	103	0.06
51 I	chlorobenzene-D5	10.000	10.000	0.0	96	0.05
52 C	toluene	5.000	4.670	6.6	106	0.06
54	2-hexanone	5.000	3.950	21.0	86	0.05
55	dibromochloromethane	5.000	5.498	-10.0	121	0.05
56 C	1,2-dibromoethane	5.000	4.737	5.3	109	0.06
57 C	tetrachloroethene	5.000	4.460	10.8	107	0.05
58	1,1,1,2-tetrachloroethane	5.000	4.856	2.9	110	0.05
59 C	chlorobenzene	5.000	4.572	8.6	109	0.05
60 C	ethylbenzene	5.000	4.263	14.7	98	0.06
61 C	m+p-xylene	10.000	9.221	7.8	106	0.05
62 C	bromoform	5.000	5.864	-17.3	127	0.05
63 C	styrene	5.000	4.444	11.1	99	0.05
64 C	1,1,2,2-tetrachloroethane	5.000	5.322	-6.4	122	0.06
65 C	o-xylene	5.000	4.698	6.0	108	0.05
66	1,2,3-Trichloropropane	5.000	4.626	7.5	110	0.05
68 C	isopropylbenzene	5.000	4.840	3.2	108	0.05
69	Bromobenzene	5.000	4.712	5.8	112	0.05
70	4-ethyl toluene	5.000	4.631	7.4	108	0.05
71	1,3,5-trimethylbenzene	5.000	4.901	2.0	111	0.05
72	tert-butylbenzene	5.000	4.766	4.7	105	0.04
73	1,2,4-trimethylbenzene	5.000	4.846	3.1	108	0.05
74 C	Benzyl Chloride	5.000	4.901	2.0	108	0.05
75	1,3-dichlorobenzene	5.000	5.091	-1.8	115	0.05
76 C	1,4-dichlorobenzene	5.000	5.135	-2.7	112	0.05
77	sec-butylbenzene	5.000	4.841	3.2	107	0.05
78	p-isopropyltoluene	5.000	4.378	12.4	97	0.05
79	1,2-dichlorobenzene	5.000	4.806	3.9	112	0.06

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-3,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 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)
80	n-butylbenzene	5.000	4.940	1.2	106	0.06
81	1,2-dibromo-3-chloropropane	5.000	5.427	-8.5	111	0.07
82 C	1,2,4-trichlorobenzene	5.000	4.359	12.8	92	0.09
83	naphthalene	5.000	4.815	3.7	96	0.10
84	1,2,3-trichlorobenzene	5.000	4.851	3.0	100	0.10
85 C	hexachlorobutadiene	5.000	4.951	1.0	110	0.10

* 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\Airlab17\2025\03\0306SIM\
 Data File : r1747484_Ev2.D
 Acq On : 6 Mar 2025 5:26 PM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-3,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 06 18:25:36 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : Default-LCS-AP2 - All compounds listed

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

Internal Standards						
1) bromochloromethane	8.875	49	157683	10.000	ppbV	0.06
Standard Area =	157683		Recovery	=	100.00%	
33) 1,4-difluorobenzene	11.090	114	460428	10.000	ppbV	0.06
Standard Area =	460428		Recovery	=	100.00%	
51) chlorobenzene-D5	15.833	54	64423	10.000	ppbV	0.05
Standard Area =	64423		Recovery	=	100.00%	

System Monitoring Compounds

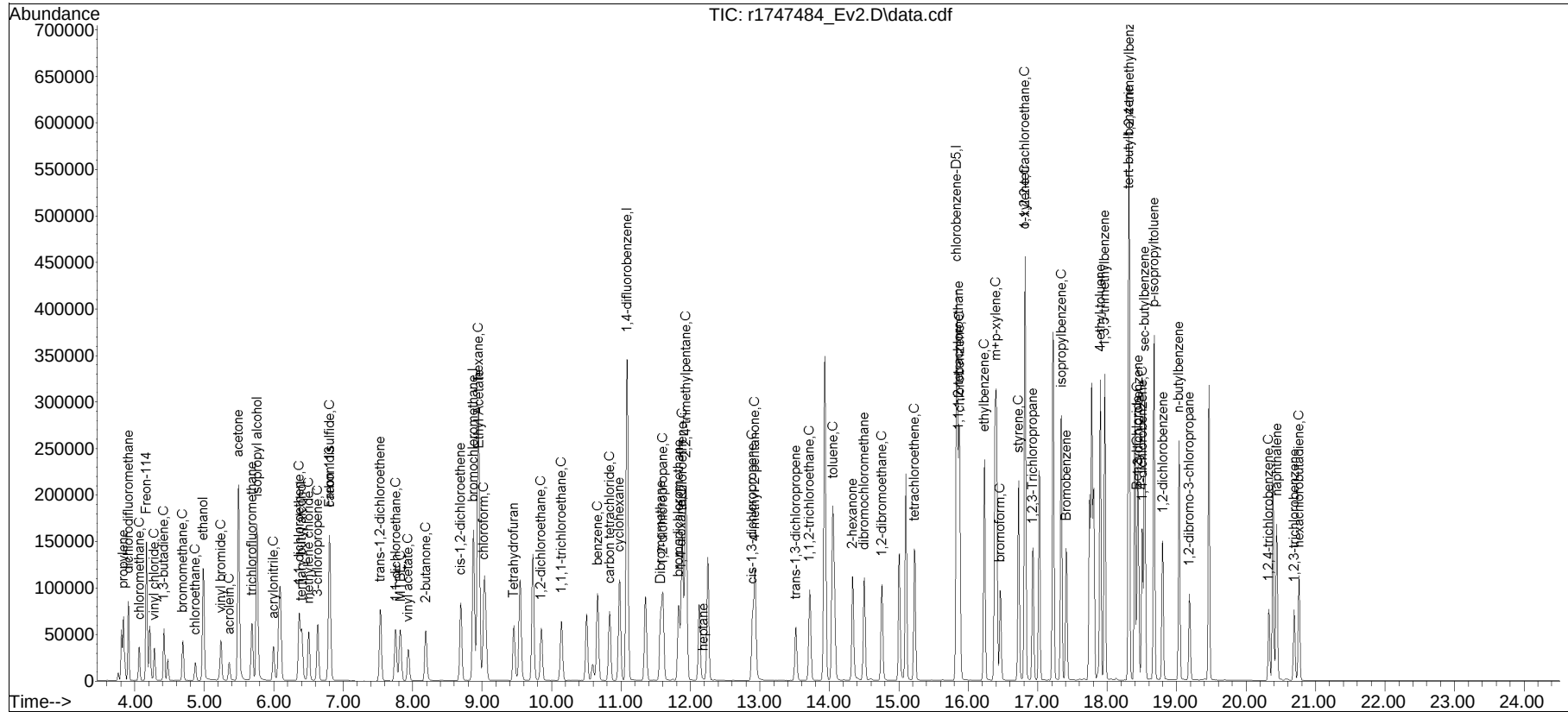
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) vinyl chloride	4.282	62	39003	4.391	ppbV	99
17) 1,1-dichloroethene	6.366	61	70482	5.564	ppbV	91
28) cis-1,2-dichloroethene	8.692	61	63392	5.232	ppbV	85
36) 1,1,1-trichloroethane	10.142	97	76135	5.268	ppbV	90
38) carbon tetrachloride	10.837	117	72889	5.624	ppbV	99
44) trichloroethene	11.883	130	79213	4.799	ppbV	98
57) tetrachloroethene	15.225	166	74627	4.460	ppbV	100

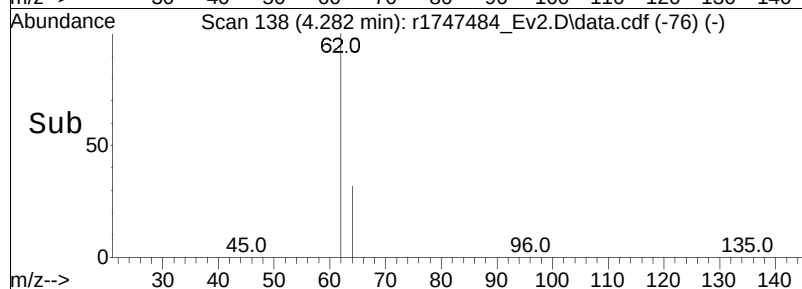
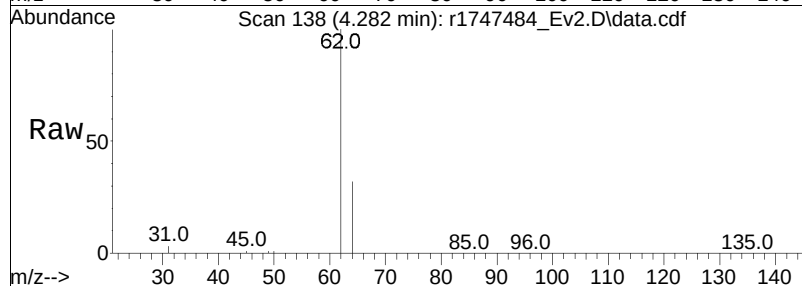
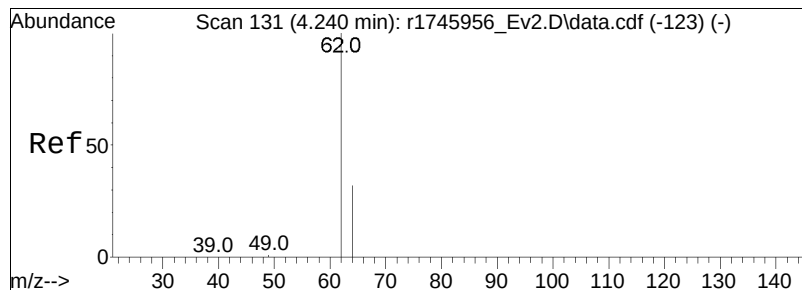
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747484_Ev2.D
Acq On : 6 Mar 2025 5:26 PM
Operator : AIRLAB17:TPH
Sample : WG2037509-3,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

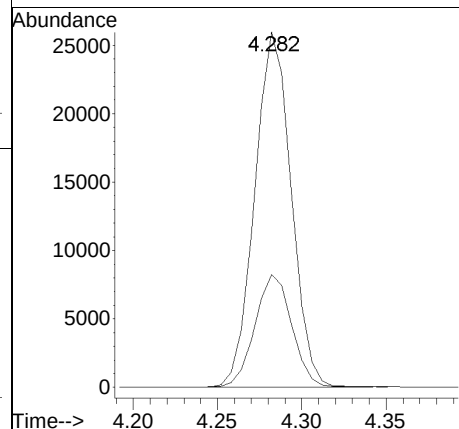
Quant Time: Mar 06 18:25:36 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

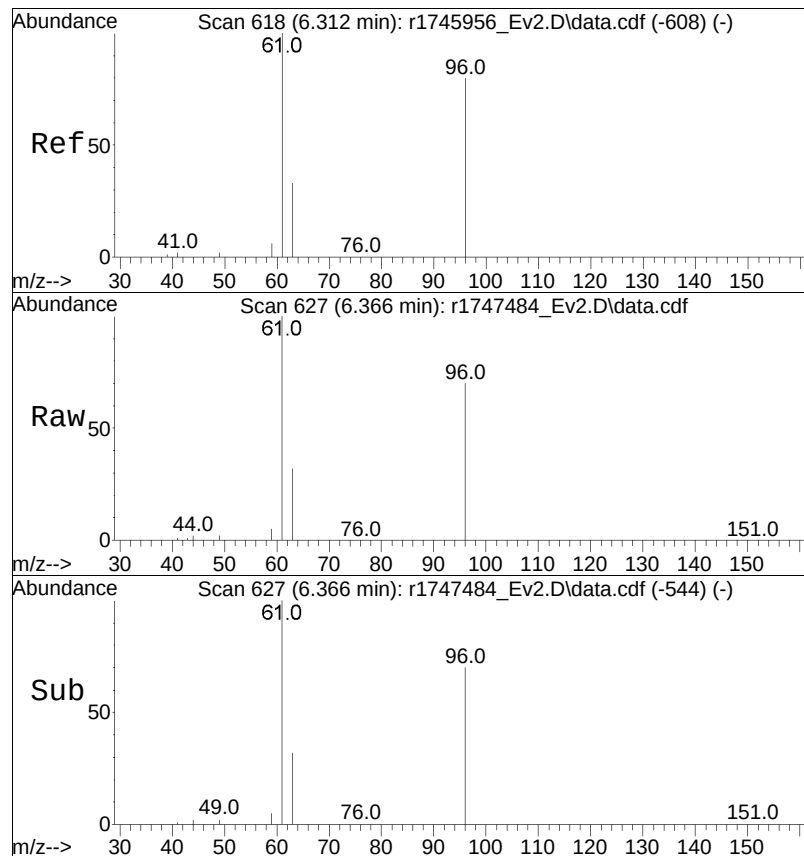




#6
vinyl chloride
Concen: 4.39 ppbV
RT: 4.282 min Scan# 138
Delta R.T. 0.042 min
Lab File: r1747484_Ev2.D
Acq: 6 Mar 2025 5:26 PM

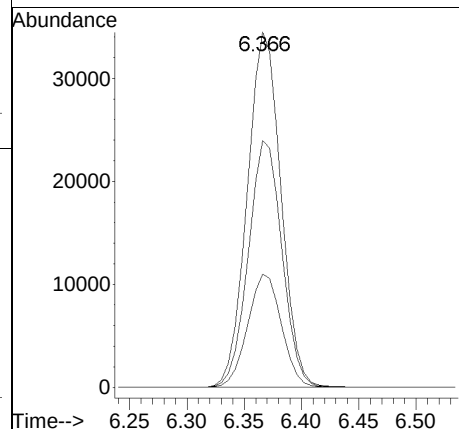
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.0	39.0

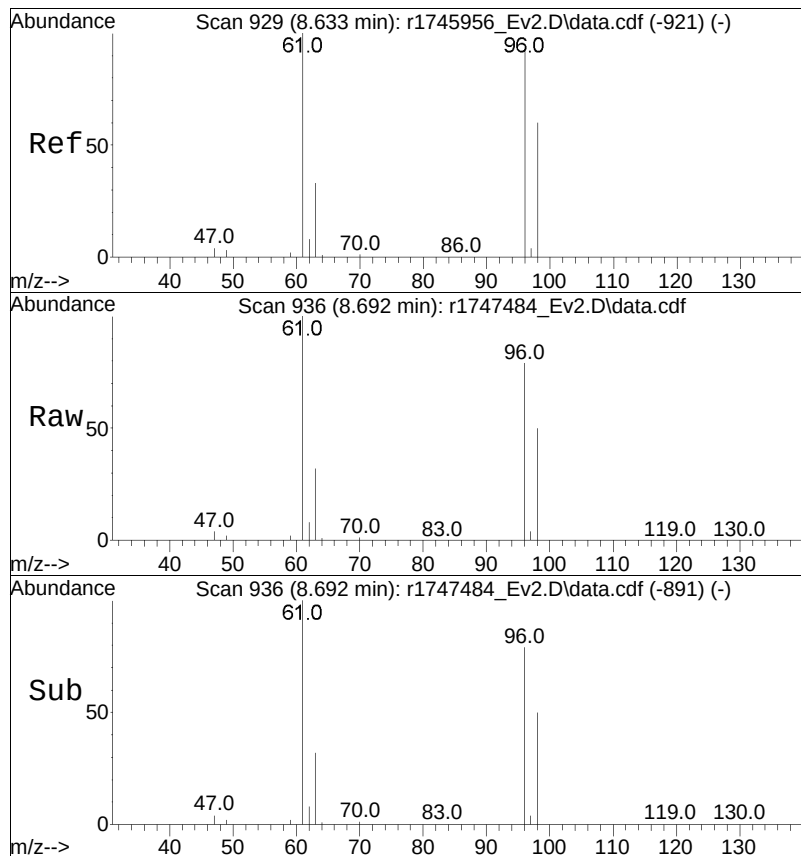




#17
 1,1-dichloroethene
 Concen: 5.56 ppbV
 RT: 6.366 min Scan# 627
 Delta R.T. 0.054 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

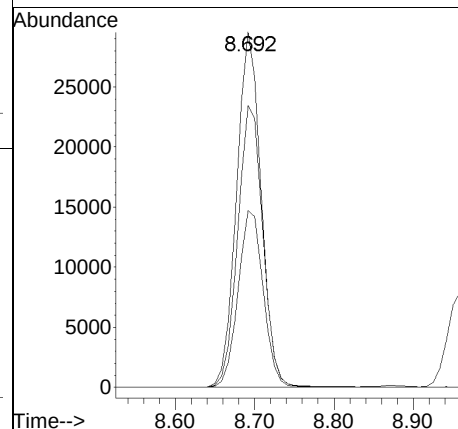
Tgt	Ion: 61	Resp:	70482
Ion	Ratio	Lower	Upper
61	100		
96	69.5	64.1	96.1
63	31.9	26.5	39.7

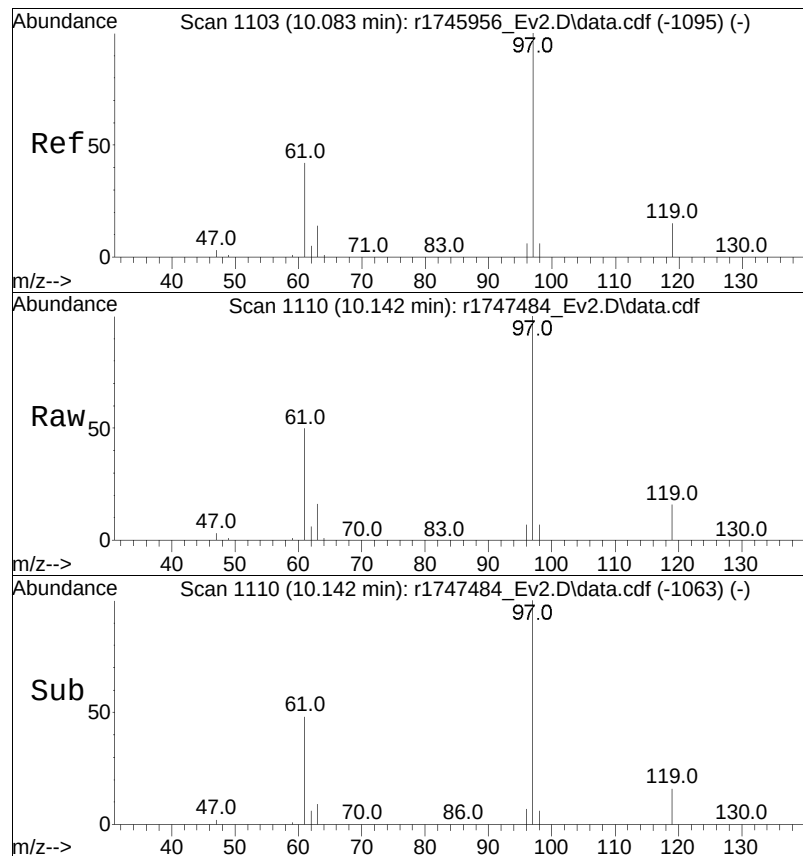




#28
 cis-1,2-dichloroethene
 Concen: 5.23 ppbV
 RT: 8.692 min Scan# 936
 Delta R.T. 0.059 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

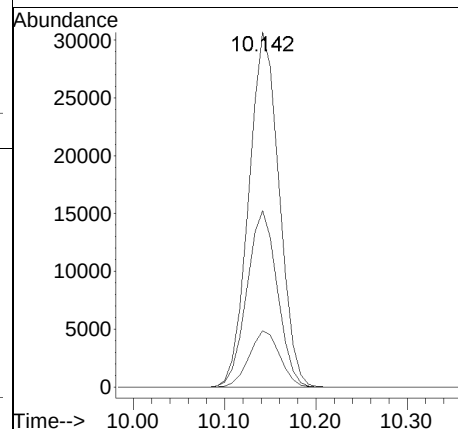
Tgt Ion	Ratio	Lower	Upper
61	100		
96	79.3	75.4	113.0
98	49.8	48.2	72.4

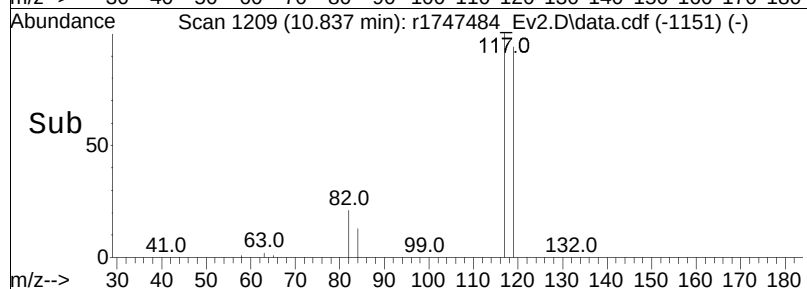
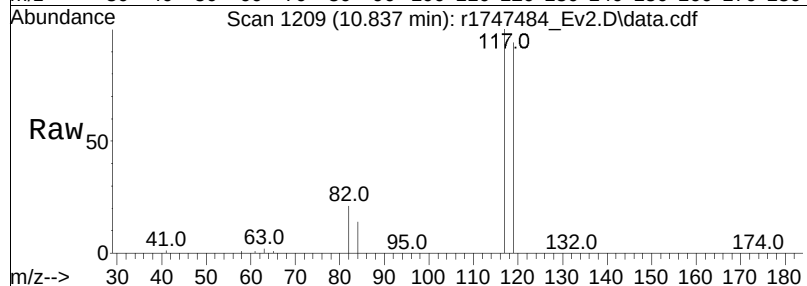
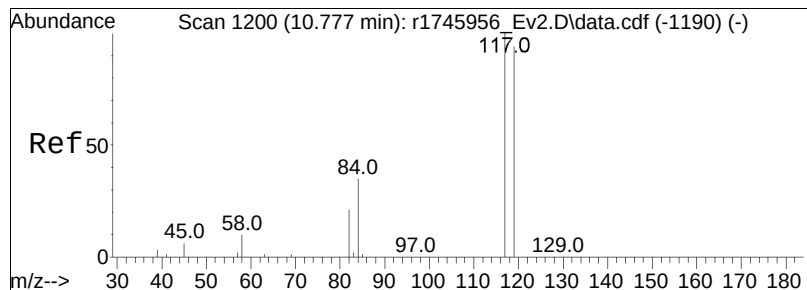




#36
 1,1,1-trichloroethane
 Concen: 5.27 ppbV
 RT: 10.142 min Scan# 1110
 Delta R.T. 0.059 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

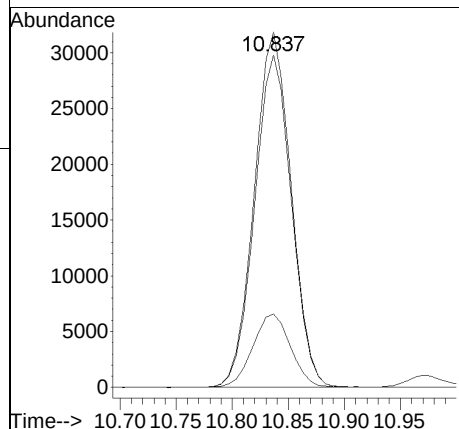
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	76135		
61	49.7		33.4	50.0
119	16.0		11.8	17.6

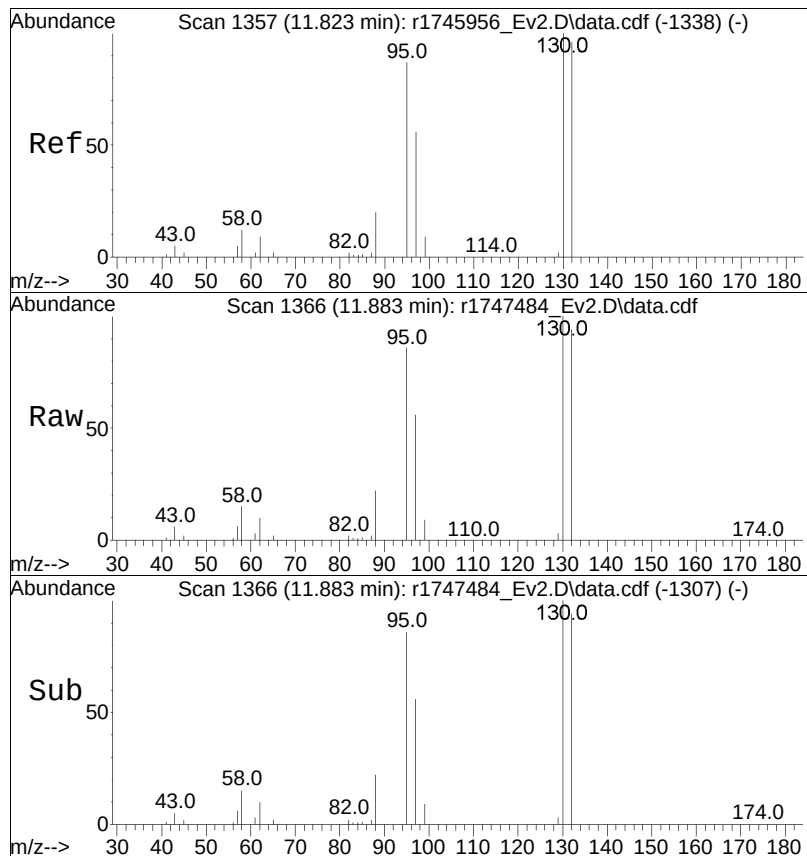




#38
 carbon tetrachloride
 Concen: 5.62 ppbV
 RT: 10.837 min Scan# 1209
 Delta R.T. 0.060 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

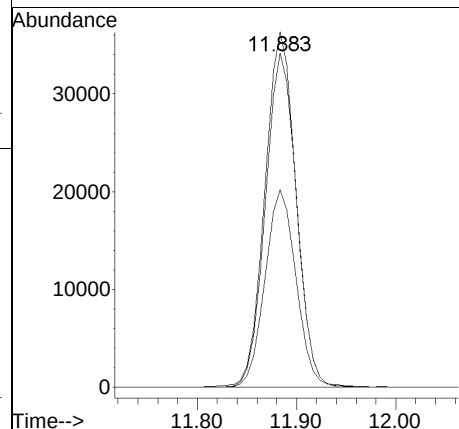
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.4	113.0
82	20.7	17.4	26.0

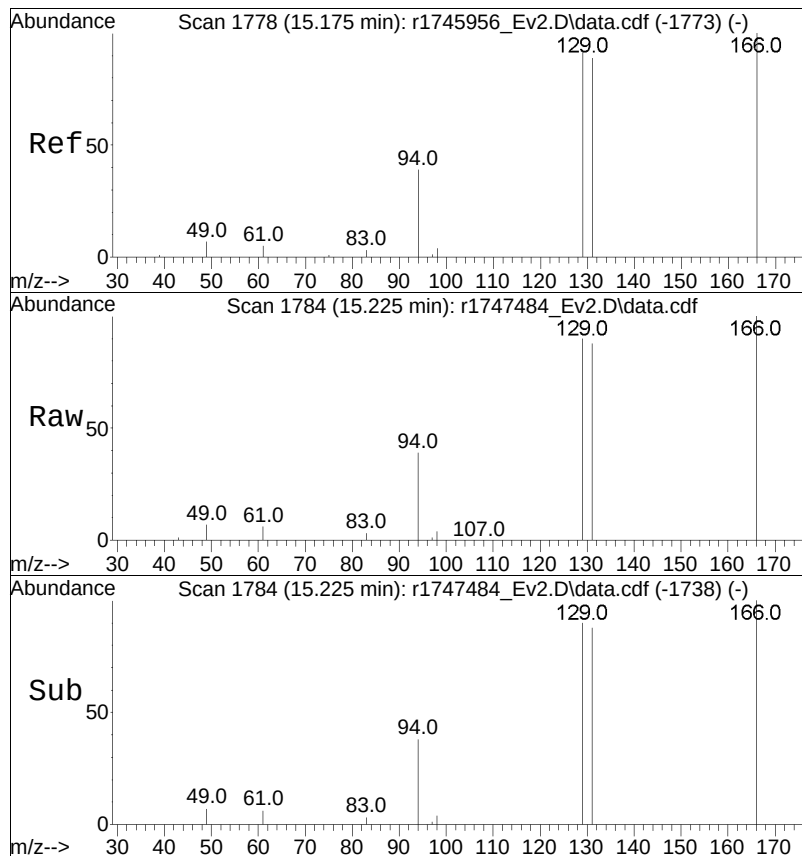




#44
 trichloroethene
 Concen: 4.80 ppbV
 RT: 11.883 min Scan# 1366
 Delta R.T. 0.060 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

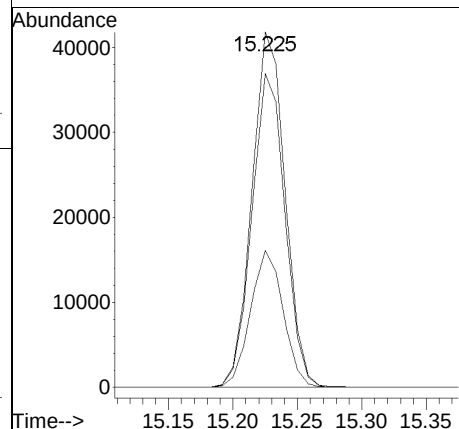
Tgt	Ion	Ratio	Resp	Lower	Upper
130	100		79213		
132	94.1	77.2	115.8		
97	55.7	44.6	67.0		





#57
 tetrachloroethene
 Concen: 4.46 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747484_Ev2.D
 Acq: 6 Mar 2025 5:26 PM

Tgt Ion:	166	Resp:	74627
Ion Ratio	Lower	Upper	
166	100		
131	88.3	70.9	106.3
94	38.5	31.1	46.7



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
 Data File : r1747495_Ev2.D
 Acq On : 7 Mar 2025 1:21 AM
 Operator : AIRLAB17:TPH
 Sample : WG2037509-5,3,250,250
 Misc : WG2037509,ICAL21813
 ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 07 07:59:24 2025
 Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
 Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
 QLast Update : Mon Dec 23 14:33:59 2024
 Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\03\0306SIM\r1747484_Ev2.D
 Sub List : 7-NY-SIM - .

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

Internal Standards						
1) bromochloromethane	8.867	49	144105	10.000	ppbV	0.05
Standard Area = 157683			Recovery =		91.39%	
33) 1,4-difluorobenzene	11.077	114	384238	10.000	ppbV	0.05
Standard Area = 460428			Recovery =		83.45%	
51) chlorobenzene-D5	15.825	54	56689	10.000	ppbV	0.04
Standard Area = 64423			Recovery =		87.99%	

System Monitoring Compounds

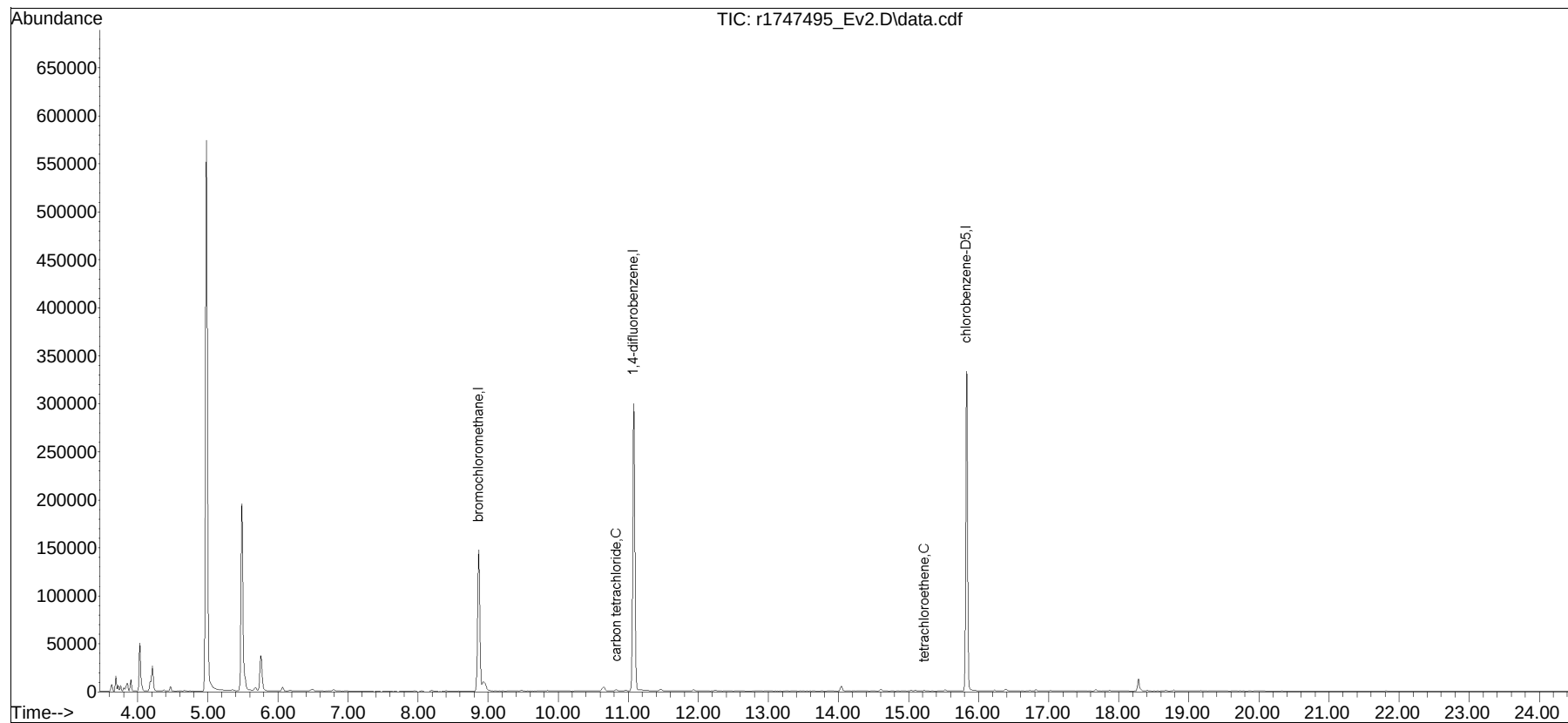
Target Compounds					Qvalue
6) vinyl chloride	0.000		0	N.D.	
17) 1,1-dichloroethene	0.000		0	N.D.	d
28) cis-1,2-dichloroethene	0.000		0	N.D.	
36) 1,1,1-trichloroethane	0.000		0	N.D.	
38) carbon tetrachloride	10.830	117	1200	0.111	ppbV 99
44) trichloroethene	0.000		0	N.D.	
57) tetrachloroethene	15.225	166	522	0.035	ppbV 95

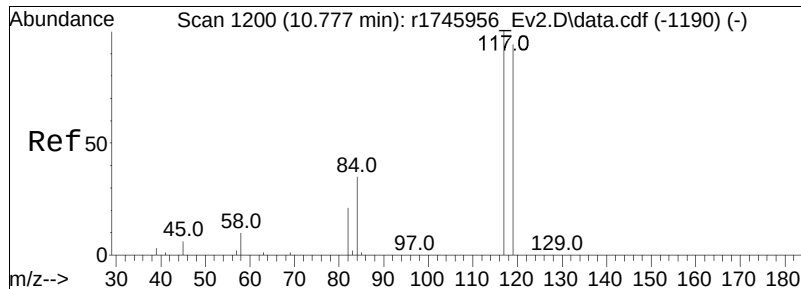
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\03\0306SIM\r1747484_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\03\0306SIM\
Data File : r1747495_Ev2.D
Acq On : 7 Mar 2025 1:21 AM
Operator : AIRLAB17:TPH
Sample : WG2037509-5,3,250,250
Misc : WG2037509,ICAL21813
ALS Vial : 0 Sample Multiplier: 1

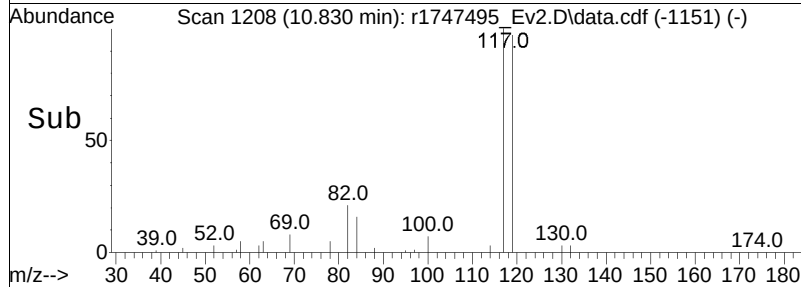
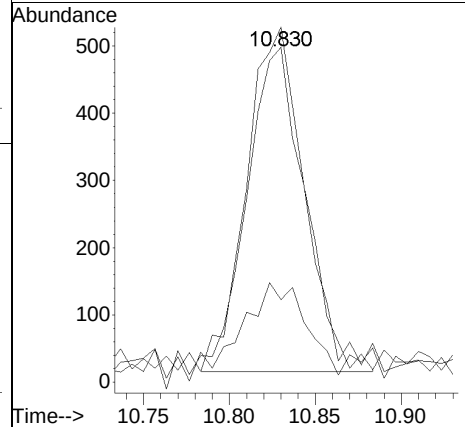
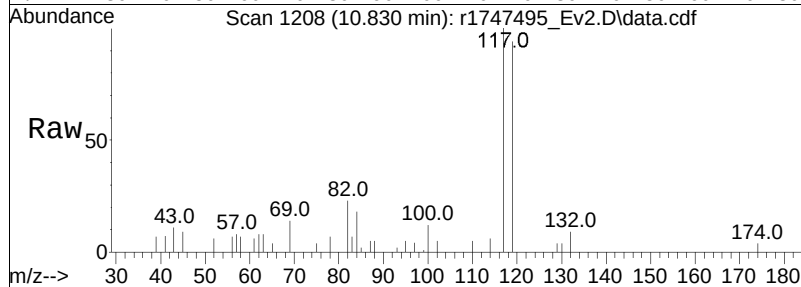
Quant Time: Mar 07 07:59:24 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\03\0306SIM\TSIM17_241220.M
Quant Title : T0-14A/T0-15 SIM/Full Scan Analysis
QLast Update : Mon Dec 23 14:33:59 2024
Response via : Initial Calibration

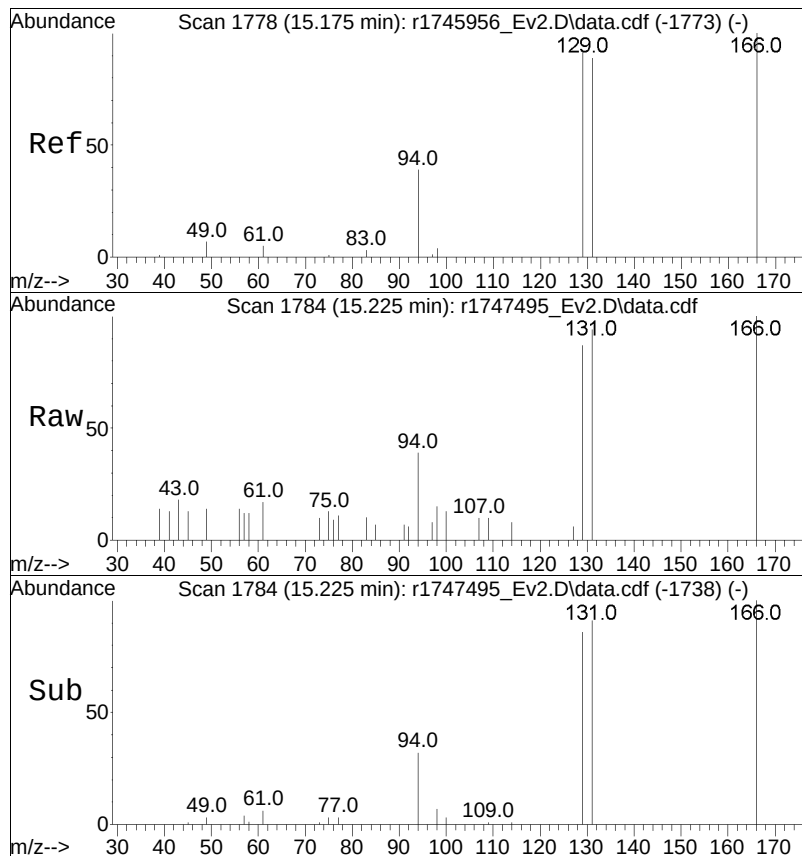




#38
 carbon tetrachloride
 Concen: 0.11 ppbV
 RT: 10.830 min Scan# 1208
 Delta R.T. 0.053 min
 Lab File: r1747495_Ev2.D
 Acq: 7 Mar 2025 1:21 AM

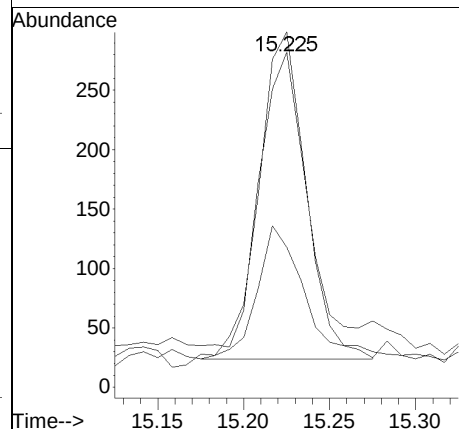
Tgt Ion:117 Resp: 1200
 Ion Ratio Lower Upper
 117 100
 119 94.3 75.4 113.0
 82 23.3 17.4 26.0





#57
 tetrachloroethene
 Concen: 0.04 ppbV
 RT: 15.225 min Scan# 1784
 Delta R.T. 0.050 min
 Lab File: r1747495_Ev2.D
 Acq: 7 Mar 2025 1:21 AM

Tgt Ion:	166	Resp:	522
Ion Ratio	Lower	Upper	
166	100		
131	94.3	70.9	106.3
94	39.5	31.1	46.7



Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\200Method : TSIM17_241220.M
Data File : r1747495_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 3/7/2025 1:21 AM Instrument :
Sample : WG2037509-5,3,250,250 Quant Date : 3/7/2025 7:59 am

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

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)

Mar 07 2025, 03:50 pm

Work Group: WG2037509 for Department: 3 GC/MS

Created: 06-MAR-25 Due: Operator: BJB

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2508669-01	ST-205-2/13/25	S T015-SIM	AIR	DONE	U	0316	0303	S0	Can-6
L2508669-02	ST-211-2/13/25	S T015-SIM	AIR	DONE	U	0316	0303	S0	Can-6
L2509499-01	AMB-1	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-02	IA-203	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-03	IA-202	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-04	IA-201	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-05	IA-7	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-06	IAQ-1	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-07	IA-11	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509499-08	IA-9	S T015-SIM	AIR	DONE	U	0321	0306	S0	Can-6
L2509734-01	TW-2-19	S T015-SIM	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-02	GD-2-19	S T015-SIM	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-03	GK-2-19	S T015-SIM	AIR	DONE	U	0321	0307	S0	Can-6
L2509734-04	L0-2-19	S T015-SIM	AIR	DONE	U	0321	0307	S0	Can-6
WG2037509-1	MS BFB Tune Standard	S T015-SIM	AIR	DONE	U				
WG2037509-2	Continuing Calibrati	S T015-SIM	AIR	DONE	U				
WG2037509-3	Laboratory Control S	S T015-SIM	AIR	DONE	U				
WG2037509-4	Laboratory Method Bl	S T015-SIM	AIR	DONE	U				
WG2037509-5	Duplicate Sample	S T015-SIM	AIR	DONE	U				
Comments:									
WG2037509-5	L2509499-08								

Alpha Analytical Air Lab Instrument Run Log

Instrument ID:	Airlab 17	Internal Standard/Surrogate IDs:	SS22-028/ SS21-026
Date:	12/20/24	Internal Standard/Surrogate Volume:	100 ml
Analyst Initials:	JMB	Sequence File Name:	241220.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ?
1	BA17122001	TO15_SFS.qgm	R1745946.qgd	250 mL			NA
1	BA17122002	TO15_SFS.qgm	R1745947.qgd	250 mL			NA
1	BA17122003	TO15_SFS.qgm	R1745948.qgd	250 mL			NA
1	TA17122001	TO15_SFS.qgm	R1745949.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1745950.qgd	50 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1745951.qgd	125 mL SS24-035D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1745952.qgd	250 mL SS24-035D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1745953.qgd	50 mL SS24-035C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1745954.qgd	125 mL SS24-035C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1745955.qgd	250 mL SS24-035C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1745956.qgd	125 mL SS24-035B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R1745957.qgd	250 mL SS24-035B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R1745958.qgd	50 mL SS24-035A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R1745959.qgd	125 mL SS24-035A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R1745960.qgd	250 mL SS24-035A	LL ONLY	DEF	NA
1	BA17122001	TO15_SFS.qgm	R1745961.qgd	250 mL			NA

Alpha Analytical Air Lab Instrument Run Log

[illegible]

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Alpha Analytical Air Lab Instrument Run Log

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: Airlab 17

Date: 03/06/25

Analyst Initials: BJB

Internal Standard/Surrogate IDs: SS22-0

Internal Standard/Surrogate Volume:

Sequence File Name: 2

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)
1	TA17022401	TO15_SFS.qgm	R1747478.qgd	250 mL	DO NOT USE
2	CCAL-STD10.0	TO15_SFS.qgm	R1747479.qgd	125 mL SS25-003B	DO NOT USE
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1747480.qgd	250 mL SS25-001G	DO NOT USE
4	TO15-SIM -STD5.0	TO15_SFS.qgm	R1747481.qgd	125 mL SS25-001H	DO
1	TA17022401	TO15_SFS.qgm	R1747482.qgd	250 mL	TUNE
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1747483.qgd	250 mL SS25-001G	LL LCS
4	TO15-SIM -STD5.0	TO15_SFS.qgm	R1747484.qgd	125 mL SS25-001H	SIM LCS
1	BA17022401	TO15_SFS.qgm	R1747485.qgd	250 mL	LL BLANK
1	BA17022402	TO15_SFS.qgm	R1747486.qgd	250 mL	SIM BLANK
2	L2509499-01,3,250,250	TO15_SFS.qgm	R1747487.qgd	WG2037508,ICAL21997	
3	L2509499-06,3,250,250	TO15_SFS.qgm	R1747488.qgd	WG2037508,ICAL21997	ACETONE, IPA, EA OVERCAL
4	L2509499-02,3,250,250	TO15_SFS.qgm	R1747489.qgd	WG2037508,ICAL21997	
5	L2509499-03,3,250,250	TO15_SFS.qgm	R1747490.qgd	WG2037508,ICAL21997	
6	L2509499-04,3,250,250	TO15_SFS.qgm	R1747491.qgd	WG2037508,ICAL21997	
7	L2509499-05,3,250,250	TO15_SFS.qgm	R1747492.qgd	WG2037508,ICAL21997	
8	L2509499-07,3,250,250	TO15_SFS.qgm	R1747493.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
9	L2509499-08,3,250,250	TO15_SFS.qgm	R1747494.qgd	WG2037508,ICAL21997	
9	L2509499-08DUP,3,250,250	TO15_SFS.qgm	R1747495.qgd	WG2037508,ICAL21997	LL/SIM DUP
10	L2509734-01,3,250,250	TO15_SFS.qgm	R1747496.qgd	WG2037508,ICAL21997	IPA OVERCAL

28/ SS21-026

100 ml

250306.S

Product/ Sublist	Check Pass ?
	NA
	NA
	NA
	NA
	NA
	NA
	Y
	Y
	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y

11	L2509734-02,3,250,250	TO15_SFS.qgm	R1747497.qgd	WG2037508,ICAL21997	
12	L2509734-03,3,250,250	TO15_SFS.qgm	R1747498.qgd	WG2037508,ICAL21997	
13	L2509734-04,3,250,250	TO15_SFS.qgm	R1747499.qgd	WG2037508,ICAL21997	
14	L2509499-09D,3,100,250	TO15_SFS.qgm	R1747500.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
15	L2509499-10D,3,0.23,250	TO15_SFS.qgm	R1747501.qgd	WG2037508,ICAL21997	T
16	L2509499-11,3,250,250	TO15_SFS.qgm	R1747502.qgd	WG2037508,ICAL21997	
1	L2509499-12,3,250,250	TO15_SFS.qgm	R1747503.qgd	WG2037508,ICAL21997	ACETONE OVERCAL
2	L2509499-13,3,250,250	TO15_SFS.qgm	R1747504.qgd	WG2037508,ICAL21997	
3	L2509499-14,3,250,250	TO15_SFS.qgm	R1747505.qgd	WG2037508,ICAL21997	
8	L2509499-07D,3,25,250	TO15_SFS.qgm	R1747506.qgd	WG2037508,ICAL21997	
10	L2509734-01D,3,100,250	TO15_SFS.qgm	R1747507.qgd	WG2037508,ICAL21997	
14	L2509499-09D2,3,25,250	TO15_SFS.qgm	R1747508.qgd	WG2037508,ICAL21997	
1	L2509499-12D,3,50,250	TO15_SFS.qgm	R1747509.qgd	WG2037508,ICAL21997	
3	L2509499-06D,3,2.74,250	TO15_SFS.qgm	R1747510.qgd	WG2037508,ICAL21997	
4	L2508669-01,3,250,250	TO15_SFS.qgm	R1747511.qgd	WG2037509,ICAL21998	
5	L2508669-02,3,250,250	TO15_SFS.qgm	R1747512.qgd	WG2037509,ICAL21998	

Column ID: Rtx-1 0.25 mm ID

Date(s) of Initial Calibration: Refer to Initial Calibration Summary Form 6

Date Acquired: see Instrument Performance Check Summary and/or quantitation report.

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH-7SIM	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
NY+NAPH	Y
ACETONE	Y
IPA	Y
ACETONE	Y
ACETONE	Y
ACETONE, IPA, EA	
BETX+MTBE+NAPH+CHLO ROFORM, MeCL VY SIM	
BETX+MTBE+NAPH+CHLO ROFORM, MeCL VY SIM	

Alpha Analytical, Inc.
Canister Dilution Worksheet

[illegible]

*N2 = Nitrogen and H2= Hydrogen

** Dilution factor on this spreadsheet may differ from reported dilution factor (calculated by LIMs) due to different rounding rules

*** Reported to 2 decimal places unless 0.01 or less; then 3 decimal places are reported

Analyst data input fields

Analyst Comments:

ATTACHMENT 4

Data Usability Summary Report: February 2025 Sampling Event

Stantec Analytical Validation DUSR**Report No. 040825-EC-01**

Project Name: Belle Harbor	Project Number: 195601412	
Stantec Validator: Elizabeth Crowley	Laboratory: Pace Analytical Service – Mansfield, MA	
Date Validation Completed: 04/09/25	Laboratory Project Number: L2509499	
Sample End Date: 02/19/25	Laboratory Report Date: 03/07/25	
Parameters Validated: Volatile Organic Compounds (VOC) by EPA TO-15 and TO-15 SIM		
Associated Chain(s) of Custody – no numbers. Samples Validated – 14 indoor air and soil vapor field samples		
VALIDATION CRITERIA CHECK		
Validation Flags Applicable to this Review: U The analyte was analyzed for but not detected above the reported sample quantitation limit. J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration. N The analysis indicates the tentative presence of a non-target/method specified analyte. R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. B The analyte was detected in the method, field and/or trip blank.		
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	Yes X	No
Comments:		
2. Did the laboratory identify any non-conformances related to the analytical result?	Yes X	No
Comments: Case narrative reports matrix issues, dilutions, and minor analytical problems. Only issues requiring qualifying action are presented in this report.		
3. Were sample Chain-of-Custody forms complete?	Yes X	No
Comments:		
4. Were samples received in good condition and at the appropriate temperature?	Yes X	No
Comments:		
5. Were sample holding times met?	Yes X	No
Comments:		
6. Were correct concentration units reported?	Yes X	No
Comments:		
7. Were detections found in laboratory blank samples?	Yes	No X

Comments:			
8. Were detections found in field blank, equipment, rinse blank, and/or trip blank samples?	NA	Yes	No
Comments: No blank sample submitted.			
9. Were instrument calibrations within method criteria?		Yes X	No
Comments:			
10. Were surrogate recoveries within control limits?		Yes X	No
Comments:			
11. Were laboratory control sample recoveries within control limits?		Yes X	No
Comments:			
12. Were matrix spike recoveries within control limits?	NA	Yes	No
Comments: No matrix sample data reported for air samples.			
13. Were RPDs within control limits?		Yes X	No
Comments:			
14. Were dilutions required on any samples?		Yes X	No
Comment: Dilution required due to target analyte concentration. Samples analyzed at multiple dilutions to obtain the lowest possible reporting limits. Samples results which exceed the upper limit of the instrument calibration are flagged "J". Reason Code EC			
15. Were Tentatively Identified Compounds (TIC) present?		Yes	No X
Comments:			
16. Were organic system performance criteria met?		Yes X	No
Comments:			
17. Were GC/MS internal standards within method criteria?		Yes X	No
Comments:			
18. Were inorganic system performance criteria met?	NA	Yes	No
Comments: No inorganic analyses requested.			
19. Were blind field duplicates collected? If so, discuss the precision (RPD) of the results.		Yes	No X
Duplicate Sample No.	Primary Sample No.		

Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials EAC
Comments:			
21. Other: A). Chromatogram/ion absorbance ratio issues B). Validation Level	Yes X	No	
Comments: A). The chromatogram is questionable and/or ion ratio are out of limits for 2-Butanone, Heptane and tert-Butyl Alcohol for sample IAQ-1 and for Hexane and 1,2,4-Trimethylbenzene for sample SV-9. Associated sample results flagged "J". Reason Code – ID C). Validation level – All samples validated Tier 2B for all samples and Tier 3 for minimum ten percent of the client submitted samples. Samples AMB, IAQ-1 and SV-9 were validated at the Tier 3 level.			
PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT			
Precision:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Accuracy:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Method Compliance:	Acceptable X	Unacceptable	Initials EAC
Comments: Data usable as flagged.			
Completeness:	Acceptable X	Unacceptable	Initials EAC
Comments: Greater than 90%.			