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File: 195601412

Ms. Marlen Salazar
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Division of Environmental Remediation – Region 2
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Hunters Point Plaza
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Long Island City, NY 11101-5401

Reference: 2025-2026 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.

The work was also conducted in accordance with Stantec's draft Supplemental Remedial Investigation Workplan (SRIWP) dated February 13, 2025, and subsequently revised (based on NYSDEC and NYSDOH comments received on September 12, 2025, and a follow up conference call on October 9, 2025) in a version dated November 12, 2025.

During the October 9, 2025 conference call the concept of conducting some field work that would not impact the overall goals of the SRIWP was discussed. Therefore, Stantec submitted a Limited Workplan to NYSDEC on October 28, 2025, to install five new sub-slab soil gas (SSSG) points in the Stop & Shop grocery store. This Limited Workplan was approved by NYSDEC via email on October 30, 2025.

During this OM&M inspection event described herein, Stantec also collected indoor air (IA) and sub slab soil gas (SSSG) samples consistent with Stantec's approved OM&M plan. Additional SSSG samples were also collected from the five new SSSG points along with co-located IA samples within the Stop & Shop.

Reference: **2025-2026 Annual Operation, Maintenance, and Monitoring of Sub-Slab Depressurization System, Belle Harbor Shopping Center, Far Rockaway, NY, Site # C241048**

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 NYSDEC 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.

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 NYSDEC, 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 NYSDEC 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 NYSDEC 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 NYSDEC 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.

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Ahold and the NYSDEC subsequently entered the Site into the Brownfields Cleanup Program (BCP) on December 8, 2017. Ahold/Stop & Shop then 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 NYSDEC and NYSDOH requirements. GEI collected vapor intrusion samples from three SSSG 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 conducted. Unfortunately, the three SSSG points that GEI installed, including SV-103, were removed after GEI's initial sampling in April 2015. Therefore, re-sampling at the SV-103 location required installing a permanent SSSG point, 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/sidewalk 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).

Lastly, In December 2025, Stantec installed five additional SSSG points, identified as SVP-205 to SVP-209 throughout the Stop & Shop grocery store, in accordance with the SRIWP and Limited Workplan.

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 February 2025 to February 2026 (the 2025 to 2026 winter heating season), are described below.

WORK PERFORMED

Stantec mobilized to the Site on December 2, 2025, to install five (5) permanent SSSG points, or probes throughout the Stop & Shop. These points are identified as SVP-205, SVP-206, SVP-207, SVP-208, and SVP-209 on Figures 2, 2A and 3. Each point was installed by Stantec by drilling a 5/8-inch diameter hole through the concrete slab into the underlying soils. A stainless-steel Vapor Pin was then installed/set in the 5/8-inch hole as a permanent SSSG point at each location, flush to the floor. After the points were installed, Stantec performed leak tests on each point utilizing a helium shroud technique and determined each point was viable.

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A NYSDOH Indoor Air Quality Questionnaire and Building Inventory Center for Environmental Health form for the Stop & Shop was completed. A copy of this questionnaire is presented in Attachment 1. Stantec also 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.

During the December 2025 work, Stantec inspected the floor within the Sofia's Nail Salon unit, as well as the SSDS discharge piping, fan, and manometer. Stantec also inspected the other tenant spaces. NYSDOH Indoor Air Quality Questionnaires and Building Inventory Center for Environmental Health forms were completed for the Citibank, Ciro's Pizza, Sofia's Nail Salon, and Liquor Warehouse. Copies of these questionnaires, along with a few photographs, are presented in Attachment 1.

On December 3, 2025, Stantec collected IA samples from inside each of the five tenant spaces. The IA samples were collected over 8 hours using appropriate pre-evacuated 6-liter Summa canisters, located at previously sampled locations, and at the locations of the five newly installed permanent SSSG points within Stop & Shop. The sample locations are shown on the attached Figure 2 and are identified as follows:

Unit	Sample ID
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, IA-205, IA-206, IA-207, IA-208, IA-209

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.

Reference: **2025-2026 Annual Operation, Maintenance, and Monitoring of Sub-Slab Depressurization System, Belle Harbor Shopping Center, Far Rockaway, NY, Site # C241048**

On December 4, 2025, Stantec recorded differential pressure readings (in-H_2O) 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), and at the eight probes inside the Stop & Shop (SVP-103, SVP-201, SVP-202, SVP-205, SVP-206, SVP-207, SVP-208, and SVP-209). Stantec was unable to collect differential pressure readings from the two probes located in the apron/sidewalk outside the Stop & Shop. SVP-203 was found to be full of dirt/rust with the cover fused to the probe – destroying the point. Stantec was unable to locate SVP-204 due to the presence of semi-permanent holiday displays throughout the apron/sidewalk. The differential pressure readings along with Stantec's observations on the SSDS are presented on the Checklist in Attachment 3.

On December 4, 2025, Stantec collected SSSG samples from select probes in Ciro's Pizza (SVP-11), the Liquor Warehouse (SVP-9 and SVP-10), and inside the Stop & Shop (SVP-103, SVP-205, SVP-206, SVP-207, SVP-208, and SVP -209). Note that since SVP-203 was rusted/clogged with dirt and unable to be sampled, and SVP-204 was inaccessible and unable to be sampled, Stantec therefore collected SSSG samples from SVP-10 (in the Liquor Warehouse) and SVP-202 (in the Stop & Shop). Each SSSG probe was leak-tested using a helium shroud technique prior to sampling. The SSSG samples were then collected over a 15-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 15-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 15-minute interval and is identified as "Stack." Copies of these sample collection logs are presented in Attachment 2.

A review of the field readings revealed that the Site conditions and sample collection procedures were acceptable and did not alter the usability of the results. However, two samples had to be terminated before the target time intervals. The Citibank Indoor Air sample, IA-7, was collected over a 7-hour interval (from 0916 hours to 1615 hours) due to the bank's opening and closing schedule of 0900 hours to 1600 hours. Stantec was allowed to stay for a few extra minutes by the bank staff during closing to secure the IA-7 sample. The Stop & Shop SSSG sample, SVP-208, experienced a rapid decrease in pressure, and Stantec therefore decided to terminate this sample after 12 minutes, resulting in a flow rate of 0.225 liters/minute, which is just slightly higher than the recommended 0.2 liters/minute.

The IA and SSSG samples were collected, secured, and sent to Pace Analytical Services 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

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Summary Report (DUSR) for the results. The laboratory report and DUSR for the December 2025 event are included in Attachments 4 and 5, respectively.

RESULTS

A NYSDOH Indoor Air Quality Questionnaire and Building Inventory Center for Environmental Health form was completed for each of the five (5) tenant spaces: Citibank, Ciro's Pizza, Sofia's Nail Salon, Liquor Warehouse, and Stop & Shop. Select observations from each of questionnaires are presented below and copies of these questionnaires, along with a few photographs, are presented in Attachment 1.

The questionnaire was completed for Stop & Shop on December 2, 2025, and included a product inventory which recorded the presence of cleaning supplies for use in the retail space stored in a cleaning supplies closet near the Men's restroom (details included in Attachment 1). In addition, a cleaning/laundry aisle with products for sale at the Stop & Shop was observed, photos included in Attachment 1. Stantec's observation of the floor within Stop & Shop indicated that there were no through-holes or other penetrations identified in the slab.

The questionnaire was completed for Citibank on December 3, 2025, and included a product inventory which recorded the presence of cleaning supplies (several containers of Dynasol Floor Cleaner, Restroom Cleaner, and Glass Cleaner) stored in a janitor's closet. Stantec's observation of the floor within Citibank indicated that there were no through-holes or other penetrations identified in the slab.

The questionnaire was completed for Ciro's Pizza on December 4, 2025, and included a product inventory which recorded the presence of cleaning supplies (several 1-gallon jugs of bleach, 1-jug of Fabuloso – All Purpose Cleaner & Degreaser, two cans of Lysol spray, and 1-gallon jugs of Power-Chem Oven and Grill Cleaner) stored in the employee bathroom. Stantec's observation of the floor within Ciro's Pizza indicated that, although there were several floor tiles that were cracked, and a floor drain was observed in the kitchen, there were no through-holes or other penetrations identified in the slab.

The questionnaire was completed for Sofia's Nail Salon on December 4, 2025, and included a product inventory which recorded the presence of 1-gallon jugs of acetone, 1-gallon jugs of isopropyl alcohol, and other products related to the running of the nail salon. Cleaning supplies including bleach, soap, and hand sanitizer were also observed. 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 through-holes 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

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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 questionnaire was completed for the Wine Liquor Warehouse on December 4, 2025, and included a product inventory which recorded the presence of a 5-gallon bucket of Industry Cleaner & Degreaser stored in the restroom. Stantec's observation of the floor within Wine Liquor Warehouse indicated that, although there were 2 small breaks in the linoleum, there were no through-holes or other penetrations identified in the slab.

The differential pressure readings measured on December 4, 2025, are presented on the attached Table 1 and on Figure 2A. As shown, the reading at SVP-6 in the Citibank unit was -0.001 in-H_2O. Comparing this value with the historical values in Table 1, suggest the December reading is anomalous. The reading at SVP-11 in the adjacent Ciro's Pizza unit was -0.159 in-H_2O. The readings at the four points within the Sofia's Nail Salon unit were -0.001 in-H_2O at SV-101, -0.380 in-H_2O at SV-102, -0.105 in-H_2O at SV-103, and -0.007 in-H_2O at SV-104. The readings in the Liquor Warehouse were -0.017 in-H_2O at SVP-9 and -0.004 in-H_2O 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 -0.005 in-H_2O at SVP-103, -0.012 in-H_2O at SVP-201, and -0.012 in-H_2O at SVP-202. 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 and probe having fused with rust and dirt and at SVP-204 due to inaccessibility. The readings at the five newly installed points within the Stop & Shop were -0.003 in-H_2O at SVP-205, -0.008 in-H_2O at SVP-206, -0.005 in-H_2O at SVP-207, -0.005 in-H_2O at SVP-208, and -0.004 in-H_2O at SVP-209.

The validated results of the air samples from December 3 and 4, 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 (90,500 micrograms per cubic meter [µg/m^3] in IAQ-1). An elevated level of toluene (61.4 µg/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 one of the two SSSG samples from the Liquor Warehouse (1.42 µg/m^3 in SVP-10), and in four of the seven SSSG samples from the Stop & Shop (1.26 µg/m^3 in SVP-202, 11.1 µg/m^3 in SVP-206, 75.2 µg/m^3 in SVP-207, and 14.3 µg/m^3 in SVP-209). TCE was not reported above laboratory reporting limits (RLs) in the other SSSG samples from Ciro's Pizza (SV-11), from the Liquor Warehouse (SVP-9), or from within the Stop & Shop (at SVP-103, SVP-205, and SVP-208).

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Sub-slab concentrations of PCE were reported in the samples from Ciro's Pizza (7.12 µg/m^3 in SV-11), the Liquor Warehouse (27.1 µg/m^3 in SVP-9 and 24.5 µg/m^3 in SVP-10), and the Stop & Shop (336,000 µg/m^3 in SVP-103; 8.61 µg/m^3 in SVP-202; 9.70 µg/m^3 in SVP-205; 2,010 µg/m^3 in SVP-206; 10,400 µg/m^3 in SVP-207; 44.6 µg/m^3 in SVP-208; and 3.09 µg/m^3 in SVP-209).

Results of the IA samples (Table 2) also show levels of VOCs in each IA sample; although, TCE was not detected in any of the IA samples collected from Citibank, Ciro's Pizza, Sophia's Nail Salon, and the Liquor Warehouse. TCE was reported in only one sample in the Stop & Shop (IA-206 at 0.188 µg/m^3). TCE was not detected from the sample collected from the Stack but was reported in the ambient air sample at 0.43 µg/m^3.

PCE was reported at low levels in the IA samples from:

- Citibank (0.393 µg/m^3 in IA-7),
- Ciro's Pizza (0.766 µg/m^3 in IA-11),
- Sofia's Nail Salon (0.502 µg/m^3 in IAQ-1),
- Liquor Warehouse (0.448 µg/m^3 in IA-9), and
- Stop & Shop (1.46 µg/m^3 in IA-201, 1.19 µg/m^3 in IA-202, 0.875 µg/m^3 in IA-203, 0.976 µg/m^3 in IA-205, 1.14 µg/m^3 in IA-206, 1.13 µg/m^3 in IA-207, 1.40 µg/m^3 in IA-208, and 1.11 µg/m^3 in IA-209).

PCE was reported in the sample collected from the Stack (97.6 µg/m^3). PCE was also reported in the ambient air sample at 11.4 µg/m^3, which may be an influence on the VOC levels in the IA samples from inside the various lease units.

Spider Maps showing the results from 2020 to 2025 are presented as Figures 3A and 3B. Note that due to the total number of sampling locations, placing the data on one figure is not clear or legible. Therefore, the results for Citibank, Ciros Pizza, Sofia's Nail Salon, and the Liquor Warehouse (the four northern units at the Shopping Center) are presented on Figure 3A; and the results for the Stop & Shop are presented in Figure 3B. Also 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 Figures 3A or 3B. 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 bank, pizza restaurant, nail salon, liquor store, or grocery store related to cVOCs. Other VOCs exist in air and soil vapor (for instance acetone and toluene in the nail salon) but are not likely from the dry cleaner release. 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.

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Evaluating the results in terms of the Decision Matrices indicates that levels of PCE in sub-slab vapor in the grocery store are greater than 1,000 µg/m^3 at three locations (SVP-103, SVP-206, and SVP-207). Although levels of PCE in all of the indoor air samples within the grocery store are less than 3 µg/m^3 (typically < 1.5 µg/m^3), evaluating the Matrix below indicates continued mitigation at this Site is necessary.

Soil Vapor/Indoor Air Matrix B
(PCE, 1,1,1-TCA, and Methylene Chloride)

	INDOOR AIR CONCENTRATION OF COMPOUND (UG/M^3)		
SUB-SLAB VAPOR CONCENTRATION OF COMPOUND (UG/M^3)	**< 3**	**3 to < 10**	**10 and above**
< 100	1. No further action	2. No further action	3. IDENTIFY SOURCES(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. Monitor	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

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 vacuum influence extends throughout the Stop & Shop. Based on these data, the range of influence of the operating SSDS is estimated at approximately 250 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 2026-2027 winter heating season (November 1 to March 31).

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We trust that this information meets your needs.

Sincerely,

STANTEC CONSULTING SERVICES INC.

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Tables 1 and 2
Figures 1 – 3A/3B
Attachments 1 - 5

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 2026 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

03/11/2026

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-H2O)	(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
			12/3/2025	-0.001	-0.0001
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
			12/4/2025	-0.159	-0.0117
Former Bell Boy Cleaner/	SV-101	Oct 2013	10/31/2013	-0.041	-0.0030
Sofias Nail Salon		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
			12/4/2025	-0.001	0.0000
Former Bell Boy Cleaner/	SV-102	Oct 2013	10/31/2013	-6.546	-0.4810
Sofias Nail Salon			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
			12/4/2025	-0.380	-0.0279

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-H2O)	(in-Hg)
Former Bell Boy Cleaner/	SV-103	Oct 2013	10/31/2013	-0.166	-0.0122
Sofias Nail Salon			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
			12/4/2025	-0.105	-0.0077
Former Bell Boy Cleaner/	SV-104	Oct 2013	10/31/2013	-1.021	-0.0750
Sofias Nail Salon		Aug 2020	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
			12/4/2025	-0.007	-0.0005
Vacant Unit/	SVP-9	Mar 2012	10/31/2013	NM	NM
Liquor Warehouse			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
			12/4/2025	-0.017	-0.0013
Vacant Unit/	SVP-10	Mar 2012	10/31/2013	NM	NM
Liquor Warehouse			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
			12/4/2025	-0.004	-0.0003
Stop & Shop Grocery	SVP-203	Aug 2020	10/31/2013	NI	NI
Apron/Sidewalk			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	
			12/4/2025	NM - Probe full of dirt	

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-H2O)	(in-Hg)
Stop & Shop Grocery	SVP-204	Aug 2020	10/31/2013	NI	NI
Apron/Sidewalk			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
			12/4/2025	NM - Unable to Access	
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
			12/4/2025	-0.005	-0.0004
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
			12/4/2025	-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
			12/4/2025	-0.012	-0.0009
Stop & Shop Grocery Store	SVP-205	Dec 2025	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	NI	NI
			3/31/2022	NI	NI
			3/30/2023	NI	NI
			3/13/2024	NI	NI
			2/19/2025	NI	NI
			12/4/2025	-0.003	-0.0002

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-H2O)	(in-Hg)
Stop & Shop Grocery Store	SVP-206	Dec 2025	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	NI	NI
			3/31/2022	NI	NI
			3/30/2023	NI	NI
			3/13/2024	NI	NI
			2/19/2025	NI	NI
			12/4/2025	-0.008	-0.0006
Stop & Shop Grocery Store	SVP-207	Dec 2025	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	NI	NI
			3/31/2022	NI	NI
			3/30/2023	NI	NI
			3/13/2024	NI	NI
			2/19/2025	NI	NI
			12/4/2025	-0.005	-0.0004
Stop & Shop Grocery Store	SVP-208	Dec 2025	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	NI	NI
			3/31/2022	NI	NI
			3/30/2023	NI	NI
			3/13/2024	NI	NI
			2/19/2025	NI	NI
			12/4/2025	-0.005	-0.0004
Stop & Shop Grocery Store	SVP-209	Dec 2025	10/31/2013	NI	NI
			3/18/2014	NI	NI
			3/31/2015	NI	NI
			1/31/2018	NI	NI
			8/4/2020	NI	NI
			3/31/2022	NI	NI
			3/30/2023	NI	NI
			3/13/2024	NI	NI
			2/19/2025	NI	NI
			12/4/2025	-0.004	-0.0003

SSSG = Sub-slab soil gas probe
in-H20 = 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 damge from new flooring installed in the Nail Salon.

TABLE 2
Summary of Sub-Slab Vapor and Indoor Air Analytical Results: December 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 Apron/Sidewalk	Stop & Shop Apron/Sidewalk	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop
Medium	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	Sub-Slab Vapor	Indoor Air
Sample ID			IA-7	SV-11	IA-11	IAQ-1 *	SVP-9	SVP-10	IA-9	SVP-203	SVP-204	SVP-103 **	IA-203	SVP-202	IA-201
Collection Date			12/03/25	12/03/25	12/03/25	12/03/25	02/19/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25
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
Analyte															
1,1,1-Trichloroethane	NS	NS	< 0.109	< 1.09	< 0.109	< 0.109	< 1.09	< 1.09	< 0.109			< 1240	< 0.109	< 1.09	< 0.109
1,1,2,2-Tetrachloroethane	NS	NS	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37			< 1560	< 1.37	< 1.37	< 1.37
1,1,2Trichloro-1,2,2-trifluoroethane	NS	NS	< 1.40	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4			< 1590	< 1.40	< 1.40	< 1.40
1,1-Dichloroethane	NS	NS	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	Not	Not	< 919	< 0.809	< 0.809	< 0.809
1,1-Dichloroethene	NS	NS	< 0.079	< 0.793	< 0.079	< 0.079	< 0.793	< 0.793	< 0.079	Sampled	Sampled	< 919	< 0.079	< 0.793	< 0.079
1,2,4-Trimethylbenzene	NS	NS	< 0.983	8.31	< 0.983	< 0.983	8.36	11.8	< 0.983	Point	Point	< 1120	< 0.983	9.49	< 0.983
1,2-Dichloroethane	NS	NS	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	< 0.809	Destroyed	Inaccessible	< 919	< 0.809	< 0.809	< 0.809
1,3,5-Trimethlbenzene	NS	NS	< 0.983	2.61	< 0.983	< 0.983	2.66	3.95	< 0.983			< 1120	< 0.983	3.01	< 0.983
1,3-Butadiene	NS	NS	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442	< 0.442			< 502	< 0.442	< 0.442	< 0.442
1,4-Dichlorobenzene	NS	NS	< 1.2	< 1.2	< 1.20	< 1.20	< 1.2	< 1.2	< 1.2			< 1360	< 1.20	< 1.2	< 1.20
1,4-Dioxane	NS	NS	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721			< 818	< 0.721	< 0.721	< 0.721
2,2,4-Trimethylpentane	NS	NS	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934	< 0.934			< 1060	< 0.934	< 0.934	< 0.934
2-Butanone (MEK)	NS	NS	< 1.47	< 1.47	< 1.47	3.54	< 1.47	< 1.47	< 1.47			< 1680	< 1.47	< 1.47	< 1.47
2-Hexanone (MBK)	NS	NS	< 0.82	< 0.82	< 0.820	< 0.820	< 0.82	< 0.82	< 0.82			< 930	< 0.820	< 0.82	< 0.820
2-Propanol (Isopropanol)	NS	NS	7.74	55.6	86.3	2210 D	4.45	5.95	23.4			< 2800	14.1	7.03	20.1
4-Ethyltoluene	NS	NS	< 0.983	1.16	< 0.983	< 0.983	1.55	1.79	< 0.983			< 1120	< 0.983	1.55	< 0.983
4-Methyl-2-pentanone (MIBK)	NS	NS	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05			< 2330	< 2.05	< 2.05	< 2.05
Acetone	NS	NS	38.2	691	1970 D	90500 D	5.27	15.4	152			< 2710	23.5	3.44	33.0
Benzene	NS	NS	0.863	1.07	0.904	1.14	0.955	1.44	0.910			< 725	0.722	0.703	0.824
Bromodichloromethane	NS	NS	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34			< 1520	< 1.34	< 1.34	< 1.34
Carbon Disulfide	NS	NS	< 0.623	1.14	< 0.623	< 0.623	< 0.623	5.36	< 0.623			< 707	< 0.623	< 0.623	< 0.623
Carbon Tetrachloride	NS	NS	0.566	< 1.26	0.510	0.459	< 1.26	< 1.26	0.428			< 1430	0.421	< 1.26	0.598
Chloroethane	NS	NS	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528	< 0.528			< 599	< 0.528	< 0.528	< 0.528
Chloroform	NS	NS	< 0.977	2.17	< 0.977	8.06	< 0.977	1.19	< 0.977			< 1110	< 0.977	7.52	< 0.977
Chloromethane	NS	NS	1.08	0.776	0.944	1.35	< 0.413	< 0.413	1.06			< 469	1.06	< 0.413	1.22
cis-1,2-Dichloroethene	NS	NS	< 0.079	< 0.793	< 0.079	< 0.079	< 0.793	< 0.793	< 0.079			< 900	< 0.079	< 0.793	< 0.079
Cyclohexane	NS	NS	< 0.688	< 0.688	< 0.688	1.47	< 0.688	< 0.688	< 0.688			< 781	< 0.688	< 0.688	< 0.688
Dichlorodifluoromethane (Freon 12)	NS	NS	3.76	31.9	2.61	2.46	3.82	3.44	2.50			< 1120	2.41	33.3	2.72
Ethanol (Ethyl Alcohol)	NS	NS	258	209	349	1860 D	205	184	1550 D			< 10700	332	154	537
Ethyl Acetate	NS	NS	< 1.8	28.5	47.6	1140 D	< 1.80	< 1.80	5.51			< 2050	2.92	< 1.8	3.75
Ethyl Benzene	NS	NS	< 0.869	1.61	< 0.869	< 0.869	2.57	2.56	< 0.869			< 986	< 0.869	2.08	< 0.869
Heptane	NS	NS	< 0.82	< 0.82	< 0.82	4.92	< 0.82	< 0.82	< 0.82			< 930	< 0.820	< 0.82	< 0.82
Hexane	NS	NS	0.751	1.53	0.899 J	7.79	0.948	1.13	0.814			< 800	< 0.705	0.853	0.779
Methylene Chloride	NS	60	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74	< 1.74			< 1970	< 1.74	< 1.74	< 1.74
m,p-Xylene	NS	NS	< 1.74	6.86	< 1.74	2.84	11.9	11.8	< 1.74			< 1970	< 1.74	9.47	< 1.74
o-Xylene	NS	NS	< 0.869	2.95	< 0.869	0.869	3.97	4.39	< 0.869			< 986	< 0.869	3.51	< 0.869
Naphthalene	NS	NS	< 0.996	1.75	< 0.996	< 0.996	1.95	2.07	< 0.996			< 1130	< 0.996	2.44	< 0.996
Styrene	NS	NS	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852	< 0.852			< 966	< 0.852	< 0.852	< 0.852
Tert-butyl Alcohol	NS	NS	< 1.52	< 1.52	< 1.52	3.09 J	< 1.52	< 1.52	< 1.52			< 1720	< 1.52	< 1.52	< 1.52
Tetrachloroethene (PCE)	NS	30	0.393	7.12	0.766	0.502	27.1	24.5	0.448			336,000	0.875	8.61	1.46
Tetrahydrofuran	NS	NS	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47	< 1.47			< 1680	< 1.47	< 1.47	< 1.47
Toluene	NS	NS	2.66	5.80	2.64	61.4	7.42	6.90	1.61			< 855	1.45	5.16	2.05
trans-1,2-Dichloroethene	NS	NS	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793	< 0.793			< 900	< 0.793	< 0.793	< 0.793
Trichloroethene (TCE)	NS	2	< 0.107	< 1.07	< 0.107	< 0.107	< 1.07	1.42	< 0.107			< 1220	< 0.107	1.26	< 0.107
Trichlorofluoromethane (Freon 11)	NS	NS	1.13	< 1.12	< 1.12	< 1.12	< 1.12	< 1.12	1.17			< 1280	< 1.12	1.16	< 1.12
Vinyl Chloride	NS	NS	< 0.051	< 0.511	< 0.051	< 0.051	< 0.511	< 0.511	< 0.051			< 580	< 0.051	< 0.511	< 0.051
Methyl Tert Butyl Ether (MTBE)			< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721	< 0.721			< 818	< 0.721	< 0.721	< 0.721
Total VOCs			315.1	1060.9	2462.2	95,810	287.9	289.1	1739.9			336,000	379.5	254.6	603.5

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
D = Sample required Dilution

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

* Sample IA-11 diluted by factor of 5

* Sample IAQ-1 diluted by factor of 16.7 and 316.5 (Acetone)

* Sample IA-9 diluted by factor of 12.5

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

Sample Location	NYSDOH Standards [1]		Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stop & Shop	Stack	Ambient
Medium	Subsurface Vapors	Indoor Air	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Sub-Slab Vapor	Indoor Air	Outdoor Air	Outdoor Air
Sample ID			IA-202	SVP-205	IA-205	SVP-206	IA-206	SVP-207	IA-207	SVP-208	IA-208	SVP-209	IA-209	Stack	AMB-1
Collection Date			12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25	12/03/25
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
Analyte															
1,1,1-Trichloroethane	NS	NS	< 0.109	< 1.09	< 0.109	< 6.06	< 0.109	< 24.9	< 0.109	< 13.8	< 0.109	< 1.09	< 0.109	< 16.8	< 0.109
1,1,2,2-Tetrachloroethane	NS	NS	< 1.37	< 1.37	< 1.37	< 7.62	< 1.37	< 31.4	< 1.37	< 17.4	< 1.37	< 1.37	< 1.37	< 21.2	< 1.37
1,1,2Trichloro-1,2,2-trifluoroethane	NS	NS	< 1.40	< 1.4	< 1.40	< 7.76	< 1.40	< 31.9	< 1.40	< 17.7	< 1.40	< 1.4	< 1.4	< 21.5	< 1.40
1,1-Dichloroethane	NS	NS	< 0.809	< 0.809	< 0.809	< 4.49	< 0.809	< 18.5	< 0.809	22.3	< 0.809	< 0.809	< 0.809	< 12.5	< 0.809
1,1-Dichloroethene	NS	NS	< 0.079	< 0.793	< 0.079	< 4.40	< 0.079	< 18.1	< 0.079	< 10.0	< 0.079	< 0.793	< 0.079	< 12.2	< 0.079
1,2,4-Trimethylbenzene	NS	NS	< 0.983	3.72	< 0.983	< 5.46	< 0.983	< 22.5	< 0.983	< 12.4	< 0.983	1.48	< 0.983	< 15.1	< 0.983
1,2-Dichloroethane	NS	NS	< 0.809	14.9	< 0.809	22.6	< 0.809	25.9	< 0.809	< 10.2	< 0.809	< 0.809	< 0.809	< 12.5	< 0.809
1,3,5-Trimethlbenzene	NS	NS	< 0.983	1.37	< 0.983	< 5.46	< 0.983	< 22.5	< 0.983	< 12.4	< 0.983	< 0.983	< 0.983	< 15.1	< 0.983
1,3-Butadiene	NS	NS	< 0.442	1.92	< 0.442	< 2.46	< 0.442	< 10.1	< 0.442	< 5.6	< 0.442	< 0.442	< 0.442	< 6.81	< 0.442
1,4-Dichlorobenzene	NS	NS	< 1.20	< 1.2	< 1.20	< 6.67	< 1.20	< 27.5	< 1.20	< 15.2	< 1.20	< 1.20	< 1.20	< 18.5	< 1.20
1,4-Dioxane	NS	NS	< 0.721	< 0.721	< 0.721	< 4	< 0.721	< 16.5	< 0.721	< 9.12	< 0.721	< 0.721	< 0.721	< 11.1	< 0.721
2,2,4-Trimethylpentane	NS	NS	< 0.934	2.15	< 0.934	< 5.18	< 0.934	< 21.3	< 0.934	< 11.8	< 0.934	0.981	< 0.934	< 14.4	1.28
2-Butanone (MEK)	NS	NS	< 1.47	2.05	< 1.47	< 8.2	< 1.47	< 33.6	< 1.47	< 18.6	< 1.47	< 1.47	< 1.47	< 22.7	< 1.47
2-Hexanone (MBK)	NS	NS	< 0.820	< 0.82	< 0.820	< 4.55	< 0.820	< 18.7	< 0.820	< 10.4	< 0.820	< 0.82	< 0.820	< 12.6	< 0.820
2-Propanol (Isopropanol)	NS	NS	18.0	14.1	29.3	14.7	26.5	< 56.3	21.5	< 31.0	21.5	29.3	23.5	612	3.32
4-Ethyltoluene	NS	NS	< 0.983	< 0.983	< 0.983	< 5.46	< 0.983	< 22.5	< 0.983	< 12.4	< 0.983	< 0.983	< 0.983	< 15.1	< 0.983
4-Methyl-2-pentanone (MIBK)	NS	NS	< 2.05	< 2.05	< 2.05	< 11.4	< 2.05	< 46.7	< 2.05	< 25.9	< 2.05	< 2.05	< 2.05	< 31.5	< 2.05
Acetone	NS	NS	31.1	22.0	37.3	45.8	34.9	< 54.4	30.2	40.1	26.4	26.8	35.2	10,000	16.1
Benzene	NS	NS	0.821	1.93	0.671	4.60	0.725	< 14.6	0.706	< 8.08	0.853	1.18	0.668	< 9.84	1.26
Bromodichloromethane	NS	NS	< 1.34	< 1.34	< 1.34	8.84	< 1.34	< 30.6	< 1.34	< 16.9	< 1.34	< 1.34	< 1.34	< 20.6	< 1.34
Carbon Disulfide	NS	NS	< 0.623	20.4	< 0.623	51.4	< 0.623	< 14.2	< 0.623	< 7.88	< 0.623	< 0.623	< 0.623	< 9.59	< 0.623
Carbon Tetrachloride	NS	NS	0.585	< 1.26	1.11	< 6.98	0.604	< 28.7	0.484	< 15.9	0.610	< 1.26	0.572	< 19.4	0.497
Chloroethane	NS	NS	< 0.528	5.75	< 0.528	< 2.93	< 0.528	< 12.1	< 0.528	< 6.68	< 0.528	< 0.528	< 0.528	< 8.13	< 0.528
Chloroform	NS	NS	< 0.977	7.91	4.20	133	< 0.977	< 22.3	< 0.977	< 12.4	< 0.977	< 0.977	< 0.977	< 15.0	< 0.977
Chloromethane	NS	NS	1.39	< 0.413	1.17	< 2.29	1.19	< 9.44	1.23	< 5.22	1.26	0.993	1.19	< 6.36	0.983
cis-1,2-Dichloroethene	NS	NS	< 0.079	< 0.793	< 0.079	< 4.40	< 0.079	< 18.1	< 0.079	< 10.0	< 0.079	< 0.793	< 0.079	< 12.2	< 0.079
Cyclohexane	NS	NS	< 0.688	0.867	< 0.688	< 3.82	< 0.688	< 15.7	< 0.688	< 8.71	< 0.688	< 0.688	< 0.688	< 10.6	< 0.688
Dichlorodifluoromethane (Freon 12)	NS	NS	2.73	2.22	2.69	25.5	2.82	125	2.65	3690	2.75	9.35	2.74	<15.2	2.27
Ethanol (Ethyl Alcohol)	NS	NS	592	172	588	80.5	575	< 215	475	163	480	448	494	582	15.0
Ethyl Acetate	NS	NS	3.75	< 1.8	10.2	< 10	7.06	< 41.1	3.02	< 22.8	2.88	2.09	4.25	201	< 1.80
Ethyl Benzene	NS	NS	< 0.869	2.48	< 0.869	< 4.82	< 0.869	< 19.9	< 0.869	< 11	< 0.869	< 0.869	< 0.869	< 13.4	< 0.869
Heptane	NS	NS	< 0.82	1.50	< 0.82	< 4.55	< 0.82	< 18.7	< 0.82	< 10.4	1.01	1.08	< 0.82	< 12.6	0.979
Hexane	NS	NS	0.726	2.29	0.899	< 3.91	0.786	< 16.1	< 0.705	< 8.92	< 0.705	1.71	< 0.705	< 10.9	1.59
Methylene Chloride	NS	60	< 1.74	< 1.74	< 1.74	< 9.66	< 1.74	< 39.6	< 1.74	< 22.0	< 1.74	< 1.74	< 1.74	< 26.7	< 1.74
m,p-Xylene	NS	NS	< 1.74	11.0	< 1.74	< 9.64	< 1.74	< 39.7	< 1.74	< 21.9	< 1.74	2.32	< 1.74	< 26.7	< 1.74
o-Xylene	NS	NS	< 0.869	5.34	< 0.869	< 4.82	< 0.869	< 19.9	< 0.869	< 11.0	< 0.869	0.964	< 0.869	< 13.4	< 0.869
Naphthalene	NS	NS	< 0.996	< 0.996	< 0.996	< 5.56	< 0.996	< 22.8	< 0.996	< 12.6	< 0.996	< 0.996	< 0.996	< 15.3	< 0.996
Styrene	NS	NS	< 0.852	< 0.852	< 0.852	9.45	< 0.852	< 19.5	< 0.852	< 10.8	< 0.852	< 0.852	< 0.852	< 13.1	< 0.852
Tert-butyl Alcohol	NS	NS	< 1.52	4.27 J	< 1.52	< 8.43	< 1.52	< 34.6	< 1.52	< 19.2	< 1.52	< 1.52	< 1.52	< 23.3	< 1.52
Tetrachloroethene (PCE)	NS	30	1.19	9.70	0.976	2,010	1.14	10,400	1.13	44.6	1.40	3.09	1.11	97.6	11.4
Tetrahydrofuran	NS	NS	< 1.47	5.19	< 1.47	< 8.2	< 1.47	< 33.6	< 1.47	< 18.6	< 1.47	< 1.47	< 1.47	< 22.7	< 1.47
Toluene	NS	NS	2.05	6.44	3.81	4.52	3.42	< 17.2	1.55	< 9.53	1.95	3.70	8.71	13.5	2.55
trans-1,2-Dichloroethene	NS	NS	< 0.793	< 0.793	< 0.793	< 4.4	< 0.793	< 18.1	< 0.793	< 10.0	< 0.793	< 0.793	< 0.793	< 12.2	< 0.793
Trichloroethene (TCE)	NS	2	< 0.107	< 1.07	< 0.107	11.1	0.188	75.2	< 0.107	< 13.6	< 0.107	14.3	< 0.107	< 16.6	0.43
Trichlorofluoromethane (Freon 11)	NS	NS	< 1.12	1.62	< 1.12	< 6.24	< 1.12	< 25.7	< 1.12	< 14.2	< 1.12	< 1.12	< 1.12	< 17.3	< 1.12
Vinyl Chloride	NS	NS	< 0.051	< 0.511	< 0.051	< 2.84	< 0.051	< 11.7	< 0.051	< 6.47	< 0.051	< 0.511	< 0.051	< 7.87	< 0.051
Methyl Tert Butyl Ether (MTBE)			< 0.721	< 0.721	< 0.721	< 4	< 0.721	< 16.5	< 0.721	< 9.12	< 0.721	< 0.721	< 0.721	< 11.1	< 0.721
Total VOCs			654.3	323	680.3	2,422	654.3	10,626	537.5	3,960	540.6	547	571.9	11506.1	57.7

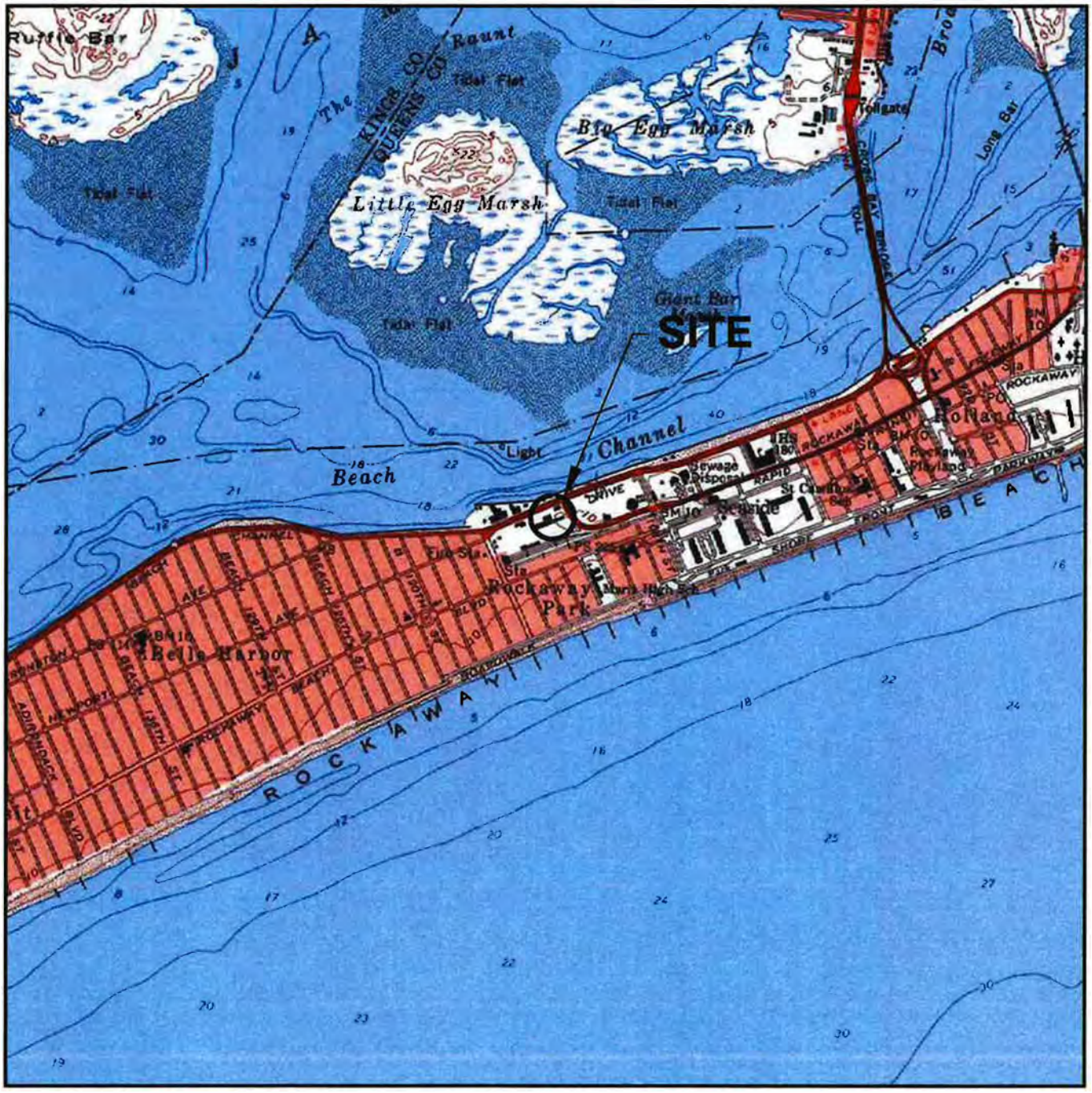
Notes:
[1] Standards from Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, NYSDOH October 2006 and Updates
NS = No Standard
ug/m3 = micrograms per cubic meter (aka part per billion)
Only those analytes detected in one or more samples are presented above
Bold = Concentration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

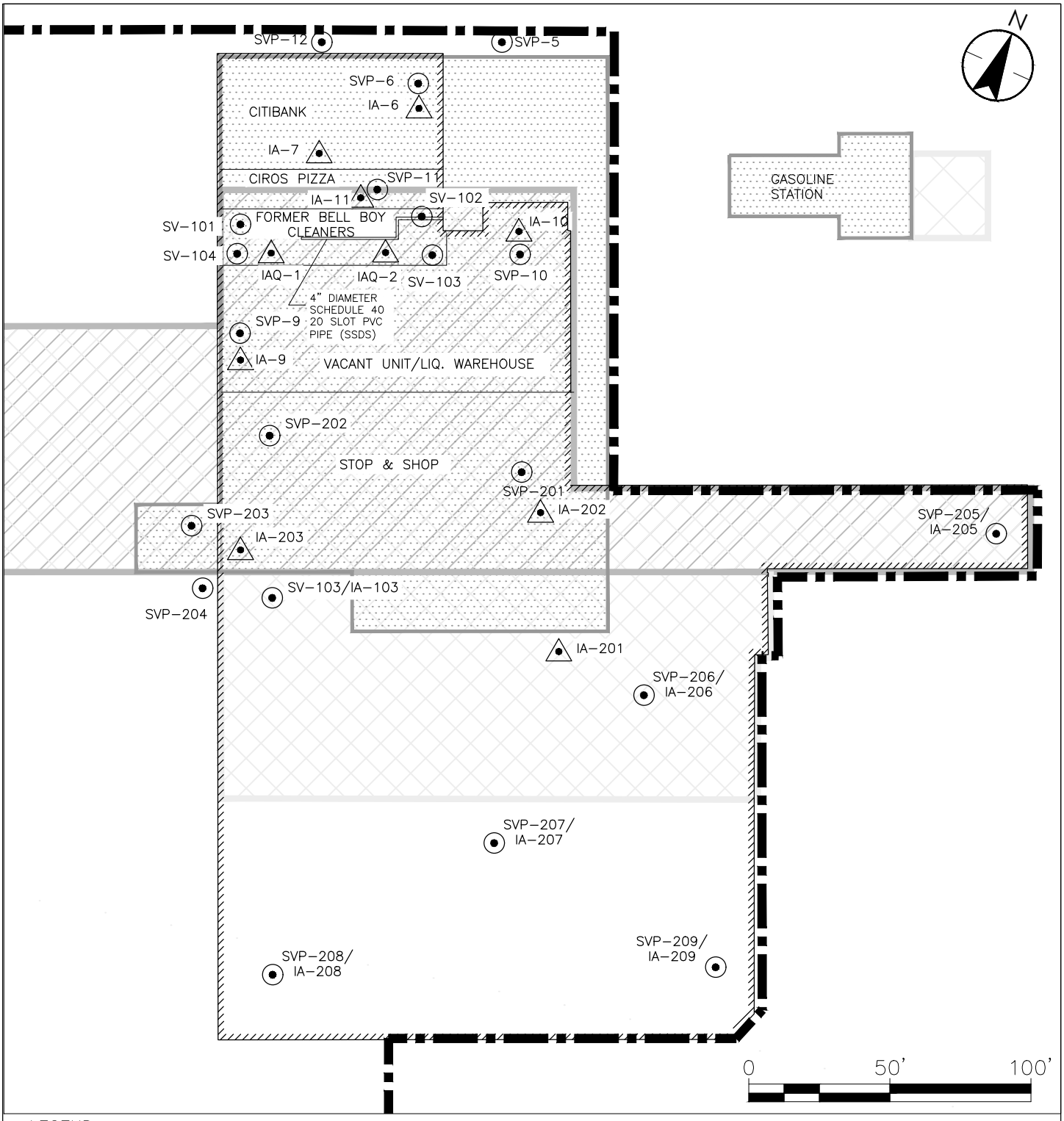
Laboratory Qualifiers
< = Concentration less than noted reporting limits
D = Sample required Dilution

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

* Sample IA-11 diluted by factor of 5
* Sample IAQ-1 diluted by factor of 16.7 and 316.5 (Acetone)
* Sample IA-9 diluted by factor of 12.5

FIGURES


Ruffle Bar
The Raunt
KINGS CO
QUEENS CO
Tidal Flat
Big Egg Marsh
Little Egg Marsh
Tidal Flat
Tidal Flat
Tidal Flat
Giant Bar
SITE
Channel
Light
Beach
Tollgate
Long Bar
ROCKAWAY
Rockaway Park
Belle Harbor
ROCKAWAY
BEACH
Sewage Disposal Plant
Fire Sta.
Fire Sta.
Fire Sta.



LEGEND

- SVP–5 — SOIL VAPOR PROBE LOCATION
- IA–6 — INDOOR AIR SAMPLE LOCATION
- PRE CIRCA 1954
- PRE CIRCA 1966
- PRE CIRCA 1980
- BCP BOUNDARY

Stantec

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

Project No.
195601412

Title
INTERIOR VAPOR INVESTIGATION SAMPLE LOCATIONS

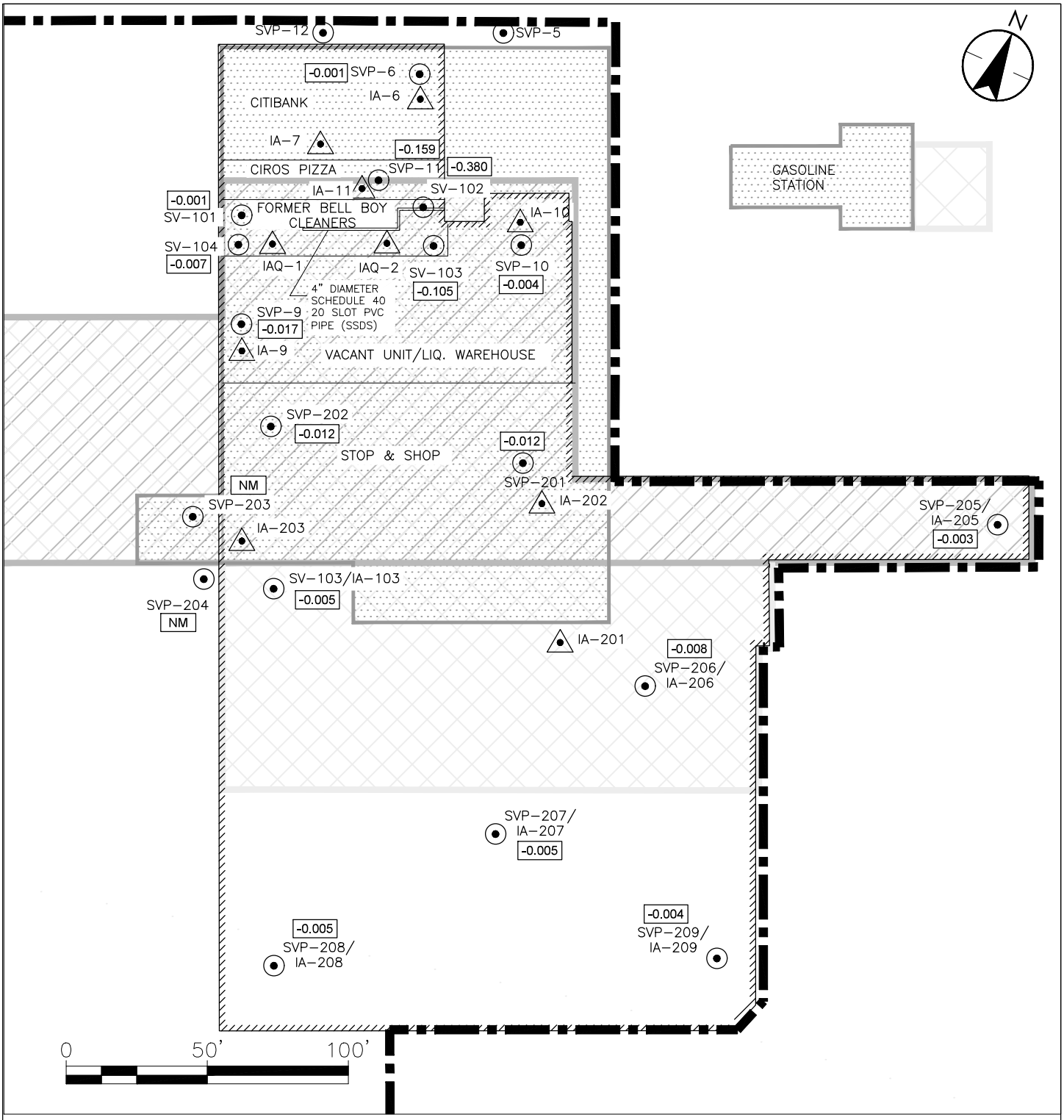
Revision

Date
2026.02.19

Reference Sheet

Figure No.
2

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LEGEND

SVP-5	SOIL VAPOR PROBE LOCATION	PRE CIRCA 1954	BCP BOUNDARY
IA-6	INDOOR AIR SAMPLE LOCATION	PRE CIRCA 1966	-0.006 MEASURED PRESSURE (in-H2O)
		PRE CIRCA 1980	NM NOT MEASURED

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

Project No.
195601412

Title
MEASURED DIFFERENTIAL PRESSURES - DECEMBER 2025

Revision

Date
2026.02.19

Reference Sheet

Figure No.
2A

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BEACH CHANNEL DRIVE

(100' WIDE)

FINAL DECREE 3/19/47

IA-11 (Ciros Pizza)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
Benzene	1.2	2.1 UJ	< 0.819	0.821	1.27	0.904
Carbon Tetrachloride	0.33	0.32 UJ	0.604	0.560	0.736	0.510
Cyclohexane	< 0.86	< 0.86 UJ	3.18	< 0.858	< 0.858	< 0.858
Hexane	< 0.70	< 0.7 UJ	< 0.705	< 0.705	< 0.705	0.899 J
Methylene Chloride	< 1.7	2.6 UJ	< 1.74	< 1.74	< 1.74	< 1.74
Tetrachloroethene (PCE)	< 1.4	< 1.4 UJ	0.203	0.468	0.325	0.766
Toluene	1.2	2.8 UJ	1.69	0.923	3.92	2.64

IAQ-1 (Sofas Nail Salon)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	1.4	< 0.98 UJ	< 0.983	< 0.983	< 0.983	< 0.983
2,2,4-Trimethylpentane	4.9	< 0.93 UJ	< 0.934	< 0.934	< 0.934	< 0.934
Benzene	1.2	< 0.64 UJ	0.786	0.949	0.770	1.14
Carbon Tetrachloride	0.44	0.39 UJ	0.522	0.591	0.547	0.459
Cyclohexane	< 0.69	< 0.69 UJ	3.99	< 0.688	< 0.688	1.47
Ethyl Benzene	1.7	< 0.87 UJ	< 0.869	1.13	< 0.869	< 0.869
Heptane	< 0.82	< 0.82 UJ	< 0.820	< 0.820	1.16 J	4.92
Hexane	< 0.70	2.6 UJ	< 0.705	< 0.705	< 0.705	7.79
Methylene Chloride	< 1.7	6.3 UJ	< 1.74	< 1.74	< 1.74	< 1.74
m,p-Xylene	6.3	2.9 UJ	2.92	5.21	< 1.74	2.84
o-Xylene	2.0	0.89 UJ	< 0.869	0.916	1.05	0.869
Tetrachloroethene (PCE)	< 1.4	< 1.4 UJ	0.156 E-J	0.705	0.353	0.502
Toluene	21	17 UJ	21.5	26.9	50.1	61.4

SVP-9 (Liquor Warehouse)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	< 9.8	< 9.8	< 0.983	< 0.983	5.46 J	8.36
Benzene	< 6.4	< 6.4	< 0.639	< 0.639	1.50	0.955
Ethylbenzene	< 8.7	< 8.7	< 0.869	< 0.869	1.97	2.57
Hexane	< 7.0	< 7.0	< 0.705	< 0.705	2.77 J	0.948
m,p-Xylene	< 17	< 17	< 1.74	< 1.74	9.69	11.9
o-Xylene	< 8.7	< 8.7	< 0.869	< 0.869	2.32	3.97
Naphthalene	< 26	< 26	Not Analyzed	< 2.60	< 2.60	1.95
Tetrachloroethene (PCE)	< 14	< 14	10.9	4.86	70.5	27.1
Toluene	< 7.5	< 7.5	< 0.754	1.19	7.72	7.42

IA-9 (Liquor Warehouse)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
Benzene	< 0.64	< 0.64	< 0.639	0.719	< 0.639	0.910
Carbon Tetrachloride	0.32	0.31	0.623 J	0.566	0.696	0.428
cis-1,2-Dichloroethene	< 0.70	< 0.70	< 0.073	< 0.073	< 0.073	< 0.073
Cyclohexane	< 0.69	< 0.69	5.54	< 0.688	< 0.688	< 0.688
Hexane	< 0.70	< 0.7	< 0.705	< 0.705	< 0.705	0.814
Tetrachloroethene (PCE)	< 1.4	< 1.4	0.142 J	0.481	0.231	0.448
Toluene	1.0	< 0.75	< 0.754	1.12	< 0.754	1.61

IA-7 (Citibank)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	1.7	< 0.98	< 0.983	< 0.983	< 0.983	< 0.983
2,2,4-Trimethylpentane	2.6	< 0.93	< 0.934	< 0.934	< 0.934	< 0.934
Benzene	0.73	< 0.64	< 0.639	0.725	0.677	0.883
Carbon Tetrachloride	0.35	0.33	0.648 J	0.564	0.717	0.566
Hexane	1.5	< 1.8	< 0.705	< 0.705	< 0.705	0.751
Methylene Chloride	< 1.7	4.1	< 1.74	< 1.74	< 1.74	< 1.74
Tetrachloroethene (PCE)	< 1.4	1.6	0.149 J	0.888	0.217	0.393
Toluene	2.5	2.4	< 0.754	0.935	< 0.754	2.7
Trichloroethene (TCE)	< 0.28	< 0.28	< 0.187	0.658	< 0.187	< 0.187

SVP-10 (Liquor Warehouse)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	Not Sampled	Not Sampled	Not Sampled	Not Sampled	5.46 J	11.8
Benzene					1.50	1.44
Ethylbenzene					1.97	2.56
Hexane					2.77 J	1.13
m,p-Xylene					9.69	11.6
o-Xylene					2.32	4.39
Naphthalene					< 2.60	2.07
Tetrachloroethene (PCE)					70.5	24.5
Toluene					7.72	6.90
Trichloroethene (TCE)						1.42

MW-2D (ALSO APPR. 19) MW-2

SVP-12 SVP-5

CROSS CUT FOUND

360.00'

112.30'

MW-6

MW-106S

CITIBANK

SVP-6 IA-6 IA-7

CIROS PIZZA

SVP-11 IA-11

SV-102

SV-101

SV-104

MW-5

FORMER BELL BOY CLEANERS

IAQ-1 IAQ-2 SV-103

IA-10 SVP-10

163.00'

GAS STATION

BLOCK 16166
LOT 426
N/F REPUTED OWNER
CITY-CPG (QNS/BX) LEASING, INC.
LIBER 3523, PG. 1870
(OUT PARCEL)

B/MW-204

MW-105S

SVP-9

BLOCK 16166
LOT 434
VACANT UNIT

IA-9 N/F REPUTED OWNER
BENENSON BELLE HARBOR LLC.
LIBER 632, PG. 1059
(PARCEL I)

S 22°39'52" E

MW-102S

MW-102D

SVP-202 5E

SVP-201

IA-202

N 67°20'08" E

188.59'

S 29°00'24" E
92.09'

SVP-205/
IA-205

MW-8S

MW-8D

30.19'

P.O.B.
PARCEL II

105.83'

FAR ROCKAWAY COURT
(RIGHT FREEWAY; ROCKAWAY FREEWAY)
(VARIABLE WIDTH)
9/16/1990)
COUNCIL OPINION

MW-104D

MW-104A-S

MW-104S

MW-4D

SVP-203

IA-203

MW-103

SVP-204

191.93'

B/MW-205

165.75'

AMB-1

P.O.B.
PARCEL III

N 39°52' W

MW-3

MW-4

SV-103/IA-103

IA-201

SVP-206/
IA-206

61.90'

BLOCK 16166
LOT 487
N/F REPUTED OWNER
CITY OF NEW YORK
(DEPT. OF TRANSPORTATION)
(DEED NOT FOUND)

186'
(186' APP.)

98.00'

BLOCK 16166
LOT 434
N/F REPUTED OWNER
WALDBAUM, INC.
LIBER 904, PG. 816
(PARCEL II EXCLUSION)
(PARCEL III)

5A

B/MW-206

MW-101S

MW-101D

MW-107S

110.00'

PRE 1954 RAILROAD SPUR

B/MW-208

MW-108S/ B-106

MW-110S

MW-1

SVP-207/
IA-207

BLOCK 16166
LOT 434
N/F REPUTED OWNER
WALDBAUM, INC.
LIBER 886, PG. 177
(PARCEL II)

5B

SVP-208/
IA-208

SVP-209/
IA-209

153.00'

170.00'

BLOCK 16166
LOT 101
N/F REPUTED OWNER
CITY OF NEW YORK + NYC TRANSIT AUTHORITY
LIBER 1224, PG. 1488

B/MW-207

B/MW-209

B/MW-210

MW-109S/ B-109 GW

MW-7

S 02°52'14" E

N 20°12'13" W

90.21'

S 69°47'47" W

METES AND BOUNDS DESCRIPTION
LOT 434, BLOCK 16166, SECTION 62
BOROUGH OF QUEENS
QUEENS COUNTY, CITY & STATE OF NEW YORK

242.55'

NEW YORK CITY SUBWAY YARD

S 69°00'08" W

443.80'

BLOCK 16166
LOT 100
N/F REPUTED OWNER
CITY OF NEW YORK + NYC TRANSIT AUTHORITY
(DEED NOT FOUND)

0 60' 120'

SURVEY COMPLETED BY CONTROL POINT ASSOCIATES, INC. SEPTEMBER 2012

Legend

- MONITOR WELL (INSTALLED BY WHITESTONE)
- MONITORING WELL (INSTALLED BY STANTEC)
- (INSTALLED BY GEI)
- PROPOSED SOIL BORING LOCATION
- PROPOSED SOIL BORING, CONVERTED TO MONITOR WELL LOCATION
- SOIL VAPOR POINT
- PROPOSED SOIL VAPOR POINT
- PROPOSED SOIL VAPOR PROBE LOCATION
- PRE CIRCA 1954
- PRE CIRCA 1966
- PRE CIRCA 1980
- HYDROGEN RELEASE COMPOUND (HRC) INJECTION AREA/POINT – 2008
- SITE/BCP BOUNDARY

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Client/Project
BELLE HARBOR SHOPPING CENTER

112-15 BEACH CHANNEL DRIVE
QUEENS (FAR ROCKAWAY), NEW YORK

Project No.
191710624

Title
VAPOR INTRUSION INVESTIGATION RESULTS 2020-2025

Revision

Date
2026.02.19

Reference Sheet

Figure No.
3A

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BEACH CHANNEL DRIVE

(100' WIDE)

FINAL DECREE 3/19/47

IA-203 (Stop & Shop)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	02/19/25
Analyte (concentration in ug/m3)						
2,2,4-Trimethylpentane	2.0	< 0.93	< 0.934	< 0.853	< 0.934	< 0.814
Benzene	0.82	< 0.64	< 0.638	0.864	0.725	0.722
Carbon Tetrachloride	0.49	0.37	0.679 J	0.598	0.667	0.421
Cyclohexane	< 0.69	< 0.69	3.26	< 0.689	< 0.689	< 0.600
Ethyl Benzene	< 0.87	< 0.87	1.06	< 0.869	< 0.869	< 0.869
Heptane	0.86	< 0.82	< 0.820	< 0.820	< 0.820	< 0.820
Hexane	< 1.2	< 1.2	< 0.705	1.22	< 0.705	< 0.705
Methylene Chloride	< 17	4.9	< 1.74	24.0	< 1.74	< 1.74
m,p-Xylene	< 3.5	< 3.5	4.23	< 1.74	< 1.74	< 1.74
o-Xylene	< 0.87	< 0.87	1.13	< 0.869	< 0.869	< 0.869
Tetrachloroethene (PCE)	2.3	2.5	1.34 J	1.54	2.88	0.875
Toluene	2.7	2.0	5.05	1.33	0.882	1.45

SV-202 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
1,2,4-Trimethylbenzene	9.49
Benzene	0.703
Ethylbenzene	2.08
Hexane	0.853
m,p-Xylene	9.47
o-Xylene	3.51
Naphthalene	2.44
Tetrachloroethene (PCE)	8.61
Toluene	5.16
Trichloroethene (TCE)	1.26

IA-202 (Stop & Shop)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	1.7	< 0.98	< 0.983	< 0.853	< 0.983	< 0.963
2,2,4-Trimethylpentane	1.4	< 0.93	6.40 J	< 0.934	< 0.934	< 0.934
Benzene	1.0	< 0.64	< 0.638	0.712	0.728	0.821
Carbon Tetrachloride	0.37	0.45	0.736	0.610 J	0.717	0.585
Cyclohexane	1.2	< 0.69	5.89	< 0.689	< 0.689	< 0.689
Ethyl Benzene	1.8	< 0.87	1.93	< 0.869	< 0.869	< 0.869
Heptane	0.93	< 0.82	< 0.820	< 0.820	< 0.820	< 0.820
Hexane	1.2	< 1.8	< 0.705	< 0.705	< 0.705	0.726
Methylene Chloride	7.3	1.9	< 1.74	< 1.74	< 1.74	< 1.74
m,p-Xylene	2.6	< 3.5	7.73	< 1.74	< 1.74	< 1.74
o-Xylene	1.1	< 0.87	2.01	< 0.869	< 0.869	< 0.869
Tetrachloroethene (PCE)	< 1.4	2.7	1.23	2.00	2.98	1.19
Toluene	12	1.8	9.23	1.43	0.882	2.06

SVP-203 (Stop & Shop Apron)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
Benzene	6.6	< 6.4	< 0.638	0.815	Not	Not
cis-1,2-Dichloroethene	< 0.1	< 2.1	< 0.795	1.14	Sampled	Sampled
m,p-Xylene	< 35	< 35	< 1.74	2.38	Point Frozen	Point
Tetrachloroethene (PCE)	5,600 E	21	16.9	19.5		Destroyed
Toluene	44	< 7.5	< 0.754	1.45		
Trichloroethene (TCE)	6.2	< 2.5	< 1.07	2.88		

SVP-204 (Stop & Shop Apron)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	< 9.8	< 9.8	< 9.563	< 0.963	2.28	Not
Benzene	11	< 6.4	< 0.638	< 0.638	0.664	Sampled
Ethyl Benzene	< 8.7	< 8.7	< 0.869	< 0.869	0.890	Point
Hexane	< 12	< 18	< 0.705	< 0.705	0.846	Inaccessible
Methylene Chloride	< 17	< 17	< 1.74	< 1.74	3.78	
Naphthalene	< 26	< 26	NR	2.25	1.05	
Tetrachloroethene (PCE)	6700 E	120	190	354	70.5	
Toluene	7.7	< 7.5	< 0.754	< 0.754	< 0.754	
Trichloroethene (TCE)	6.6	< 2.5	< 1.07	< 1.07	< 1.07	

AMB-1 (Outdoor/Ambient Air)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	1.9	< 0.98	< 0.983	< 0.963	< 0.983	< 0.963
2,2,4-Trimethylpentane	3.6	< 0.93	< 0.934	0.986	< 0.934	1.28
Benzene	1.2	0.64	0.735 J	0.895	1.080	1.260
Carbon Tetrachloride	0.35	0.35	0.660	0.547	0.692	0.497
Ethyl Benzene	1.5	< 0.87	< 0.869	< 0.869	< 0.869	< 0.869
Heptane	1.1	< 0.82	< 0.820	0.897	< 0.820	0.979
Hexane	1.5	< 1.8	< 0.705	1.41	0.765	1.59
m,p-Xylene	4.6	< 3.5	< 1.74	< 1.74	< 1.74	< 1.74
o-Xylene	1.9	< 0.87	< 0.869	< 0.869	< 0.869	< 0.869
Tetrachloroethene (PCE)	< 1.4	2.3	22.9	2.75	13.4	11.4
Toluene	5.9	0.86	1.27	1.57	< 0.754	2.55
Trichloroethene (TCE)	< 0.54	< 0.54	< 0.107	< 0.107	1.20	0.43

SV-103 (Stop & Shop)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
Tetrachloroethene (PCE)	330,000 E	240,000 J	333,000	511,000	395,000	336,000
Trichloroethene (TCE)	940	970 J	1,080	1,610	1,170	< 1,070

IA-201 (Stop & Shop)	Sample Date					
	08/06/20	03/31/22	03/30/23	03/12/24	02/19/25	12/03/25
Analyte (concentration in ug/m3)						
1,2,4-Trimethylbenzene	1.6	< 0.98	< 0.983	< 0.853	< 0.983	< 0.963
2,2,4-Trimethylpentane	1.7	< 0.93	< 0.934	< 0.934	< 0.934	< 0.934
Benzene	0.74	< 0.64	< 0.638	0.716	0.684	0.824
Carbon Tetrachloride	0.36	0.40	0.629 J	0.654	0.667	0.596
Cyclohexane	< 0.69	< 0.69	6.92	< 0.689	< 0.689	< 0.689
Ethyl Benzene	< 0.87	< 0.87	2.61	< 0.869	< 0.869	< 0.869
Hexane	0.87	< 1.8	< 0.705	0.715	< 0.705	0.779
Methylene Chloride	2.2	< 1.7	< 1.74	< 1.74	< 1.74	< 1.74
m,p-Xylene	< 3.5	< 3.5	11.3	< 1.74	< 1.74	< 1.74
o-Xylene	< 0.87	< 0.87	2.76	< 0.869	< 0.869	< 0.869
Tetrachloroethene (PCE)	< 1.4	3.3	1.34 J	2.05	3.38	1.46
Toluene	4.7	< 0.75	10.3	0.980	0.980	2.05

SVP-205 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
1,2,4-Trimethylbenzene	3.72
2,2,4-Trimethylpentane	2.15
Benzene	1.93
Cyclohexane	0.867
Ethyl Benzene	2.48
Heptane	1.50
Hexane	2.29
m,p-Xylene	11.0
o-Xylene	5.34
Tetrachloroethene (PCE)	9.70
Toluene	6.44

IA-205 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	0.671
Carbon Tetrachloride	1.11
Hexane	0.869
Tetrachloroethene (PCE)	0.976
Toluene	3.81

IA-206 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	0.725
Carbon Tetrachloride	0.604
Hexane	0.786
Tetrachloroethene (PCE)	1.14
Toluene	3.42
Trichloroethene (TCE)	1.88

SVP-206 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	4.60
Tetrachloroethene (PCE)	2,010
Toluene	452
Trichloroethene (TCE)	11.1

IA-207 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	0.706
Carbon Tetrachloride	0.484
Tetrachloroethene (PCE)	1.13
Toluene	1.55

SVP-207 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Tetrachloroethene (PCE)	10,400
Trichloroethene (TCE)	75.2

IA-208 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	0.853
Carbon Tetrachloride	0.610
Heptane	1.01
Tetrachloroethene (PCE)	1.40
Toluene	1.95

SVP-208 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Tetrachloroethene (PCE)	44.6
Trichloroethene (TCE)	< 5.47

IA-209 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
Benzene	0.668
Carbon Tetrachloride	0.572
Tetrachloroethene (PCE)	1.11
Toluene	8.71

SVP-209 (Stop & Shop)	Sample Date
	12/03/25
Analyte (concentration in ug/m3)	
1,2,4-Trimethylbenzene	1.48
2,2,4-Trimethylpentane	0.981
Benzene	1.18
Heptane	1.08
Hexane	1.71
m,p-Xylene	2.32
o-Xylene	0.964
Tetrachloroethene (PCE)	3.09
Toluene	3.79
Trichloroethene (TCE)	14.3

N 57°20'08" E 366.00'

P.O.B. PARCEL I

BLOCK 16166 LOT 449 N/F REPUTED OWNER GENE SHAPIRO LIBER 1344, PG. 1910

193.00'

B/MW-204

BLOCK 16166 LOT 434 N/F REPUTED OWNER CHANNEL REALTY CO. LLC LIBER 2646, PG. 1926

S 22°39'52" W

N 67°20'08" E 165.75'

AMB-1

P.O.B. PARCEL III

B/MW-205

188.21' (APPROX. DEED)

BLOCK 16166

(PARCEL III)

5A

98.00'

110.00'

B/MW-208

PRE 1954 RAILROAD SPUR

170.00'

BLOCK 16166 LOT 101 N/F REPUTED OWNER CITY OF NEW YORK + NYC TRANSIT AUTHORITY LIBER 1224, PG. 1488

N 20°12'13" W 90.21'

B/MW-207

B/MW-209

S 69°47'47" W

METES AND BOUNDS DESCRIPTION LOT 434, BLOCK 16166, SECTION 62 BOROUGH OF QUEENS QUEENS COUNTY, CITY & STATE OF NEW YORK

242.55'

BLOCK 16166 LOT 100 N/F REPUTED OWNER CITY OF NEW YORK + NYC TRANSIT AUTHORITY (DEED NOT FOUND)

NEW YORK CITY SUBWAY YARD

S 69°00'08" W

B/MW-210

MW-2D (ALSO APPH-19) MW-2

CROSS CUT FOUND

112.30'

SVP-12 SVP-5

SVP-6 IA-6

CITIBANK

IA-7

CIROS PIZZA

SVP-11

IA-11 SV-102

SV-101 SV-104

FORMER BELL BOY CLEANERS

IA-1 IA-2 SV-103

IA-10 SVP-10

SVP-9

IA-9

BLOCK 16166 LOT 434 N/F REPUTED OWNER BENENSON BELLE HARBOR LLC. LIBER 632, PG. 1059 (PARCEL I)

VACANT UNIT

SVP-202 5E

SVP-201 IA-202

SVP-203 IA-203

SVP-204

SV-103/IA-103

IA-201

163.00'

S 22°39'52" E

BLOCK 16166 LOT 426 N/F REPUTED OWNER CITY-CPG (QNS/BX) LEASING, INC. LIBER 3523, PG. 1870 (OUT PARCEL)

105.83'

N 67°20'08" E 188.59'

SVP-205 IA-205

MW-8S

MW-8D

P.O.B. PARCEL II

191.93'

SVP-206 IA-206

MW-108S/ B-106

MW-110S

153.3'

MW-1

SVP-207 IA-207

BLOCK 16166 LOT 434 N/F REPUTED OWNER WALDBAUM, INC. LIBER 886, PG. 177 (PARCEL II)

5B

SVP-208 IA-208

SVP-209 IA-209

MW-109S/ B-109 GW

MW-7

443.80'

MW-6 MW-106S MW-5 MW-105S MW-102S MW-102D MW-104D MW-104A-S MW-104S MW-4D MW-103 MW-3 MW-4 MW-101S MW-101D MW-107S

0 60' 120'

SURVEY COMPLETED BY CONTROL POINT ASSOCIATES, INC. SEPTEMBER 2012

c:\users\egonzalez\onedrive - stantec\desktop\belle harbor - cad\01412c-112

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Stantec

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

Legend

- MONITOR WELL (INSTALLED BY WHITESTONE)
- MONITORING WELL (INSTALLED BY STANTEC)
- (INSTALLED BY GEI)
- PROPOSED SOIL BORING LOCATION
- PROPOSED SOIL BORING, CONVERTED TO MONITOR WELL LOCATION
- SOIL VAPOR POINT
- PROPOSED SOIL VAPOR POINT
- PROPOSED SOIL VAPOR PROBE LOCATION
- PRE CIRCA 1954
- PRE CIRCA 1966
- PRE CIRCA 1980
- HYDROGEN RELEASE COMPOUND (HRC) INJECTION AREA/POINT – 2008
- SITE/BCP BOUNDARY

Client/Project
BELLE HARBOR SHOPPING CENTER

112-15 BEACH CHANNEL DRIVE
QUEENS (FAR ROCKAWAY), NEW YORK

Project No.
191710624

Title
VAPOR INTRUSION INVESTIGATION RESULTS 2020-2025

Revision

Date
2026.02.19

Reference Sheet

Figure No.
3B

ATTACHMENT 1

NYSDOH Indoor Air Quality Questionnaire and Building Inventory Center for Environmental Health Forms
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 12/2/25

Preparer's Affiliation Stantec Phone No. _____

Purpose of Investigation Soil Vapor Intrusion Investigation

1. OCCUPANT: Stop + Shop Carletta Contres; Store Manager

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: 112-15 Beach Channel Drive, Rockaway Park, NY 11694

County: _____

Home Phone: _____ Office Phone: 718 945-4894

Number of Occupants/persons at this location Varies Age of Occupants Varies

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	School	(Commercial) Multi-use
Industrial	Church	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) Strip Mall – Super Market

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

Other characteristics: 2nd floor is a partial floor (some storage)
stop + shop since 2015

Number of floors 2 Building age_____

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

NA

Airflow near source

N/A

Outdoor air infiltration

open doors

Infiltration into air ducts

Ceiling vents visible throughout store

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 N/A
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	
f. Foundation walls:	poured parts of back area	block	stone	other vinyl tiles asphalt parts & back
g. Foundation walls:	unsealed	sealed	sealed with	
h. The basement is:	wet	damp	dry	moldy N/A
i. The basement is:	finished	unfinished	partially finished	NA
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

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

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

cracked/patched concrete floor in back area

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)

(Hot air circulation)	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	N/A
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: unknown

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other N/A
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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.

Ducts are not visible in store → located above ceiling tiles
ceiling vents visible

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	commercial → supermarket
partial 2nd Floor	storage
3rd Floor	N/A
4th Floor	N/A

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? _____

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? _____

g. Is there smoking in the building? Y (N) How frequently? _____

h. Have cleaning products been used recently? (Y) N When & Type? _____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

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

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

l. Have air fresheners been used recently? 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? 4vents visible in/ right outside Women's room

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

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? _____

If yes, are their clothes washed at work? Y / N

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

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

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

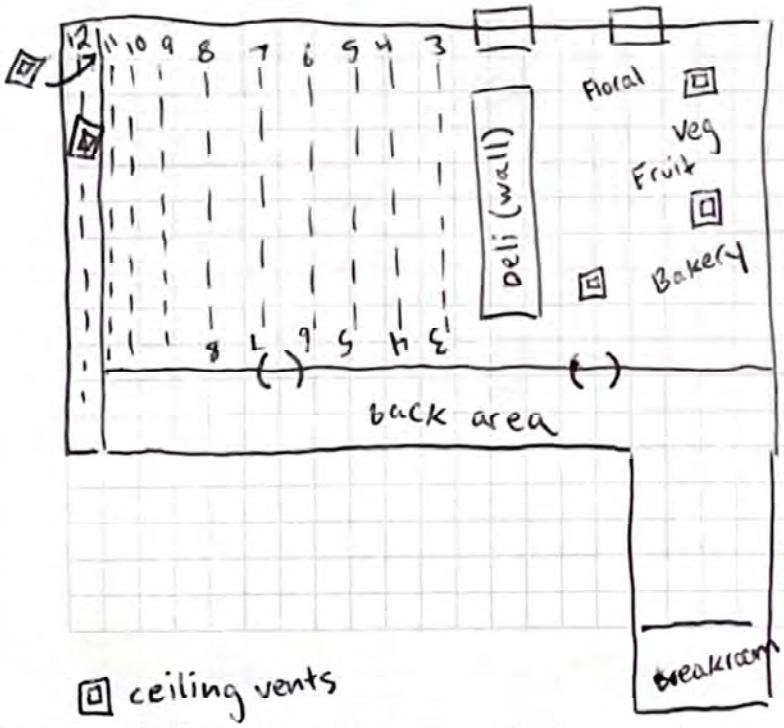
11. FLOOR PLANS

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:

N/A

First Floor:

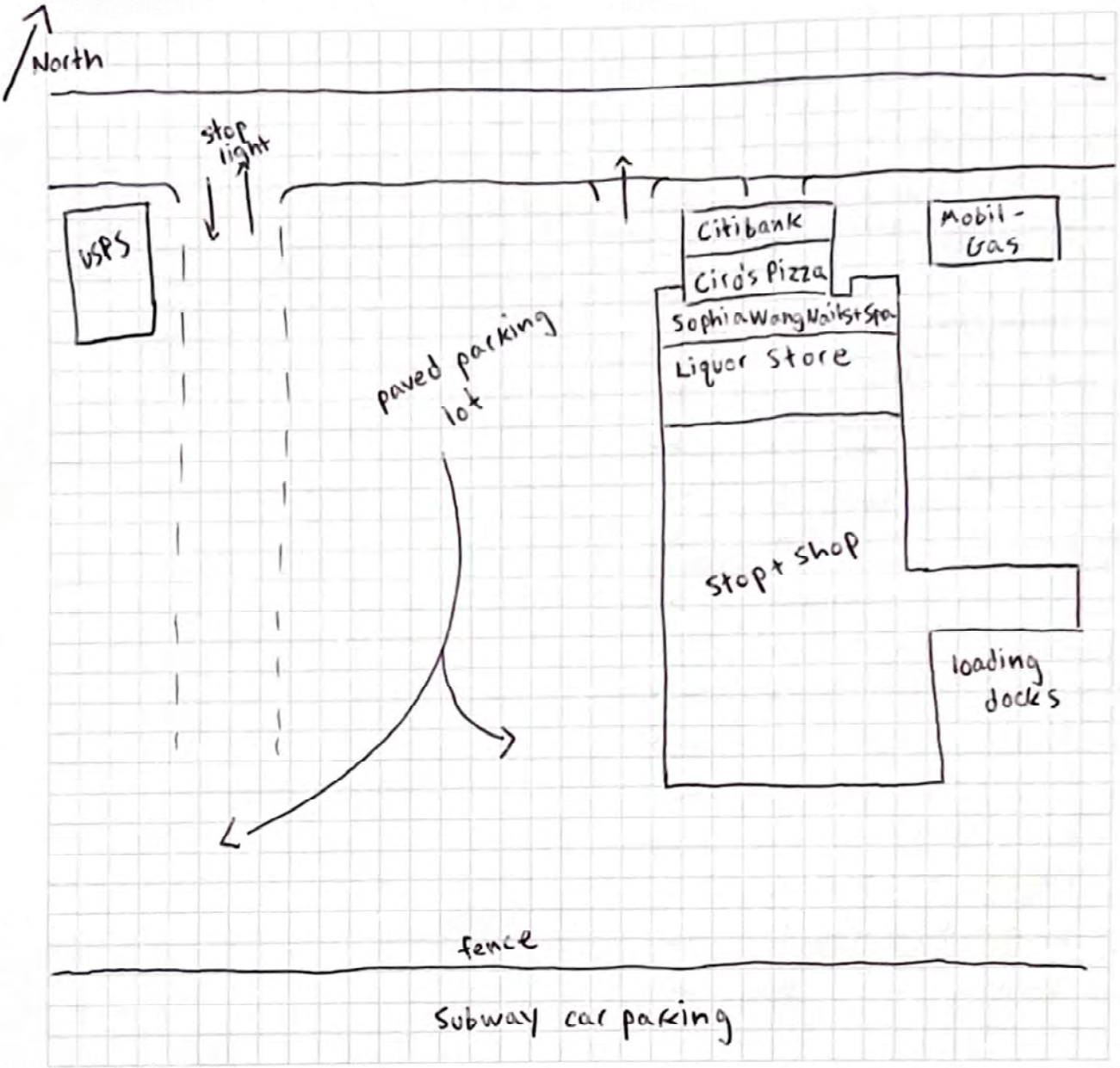


3 - condiments, pasta, potatoes, gravy, soup
4 - bread, canned veg/fruit, rice/beans
5 - baking needs, cereal, oils
6 - chips/snacks
7 - soda/beverages
8 - candy
9 - baby food/hygeine
10 - cleaners
11 - Frozen
12 - Dairy

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.



* Closet near Men's Restroom in back/employee area

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.

See photos for additional details

Location	Product Description	# Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
*	Emerel Multi Surface Creme Cleanser 946mL	2				
2.81lbs	Diversey Neutralizer conditione/odor Counteractant	8				
2.5 L	Diversey wide Range II Non Acid Disinfectant	2	UO Washroom Cleaner	Concetrate		
2.5L	Diversey Break Down XC 47	3	UO			
8lb	Fury NP with polymers	3	UO			
1.5L	Diversey Final Step 512 Sanitizer	6	UO			
1.5L	Diversey Floor Plus Bio	3	UO			
1.5L	Diversey ~~Floor Plus~~ Suma break-up chlorsc	7	UO			
652g	Diversey Bravo Power Foam	5	UO			
946mL	Diversey Defoamer	4	UO			
1 Qt	Maxim Germicidal Spray Cleaner	1	U			
1gal / 3.78L	Diversey suma Block whitener	11*4	UO/U			
3.78L	Diversey Freeze/Gel/ Helada	4	UO/D			
3.78L	Rinse Diversey	6	UO/D			
1200mL	Purell Advanced Hand sanitizer foam	5	UO			
454g	Diversey Deepgloss	4	UO/U			
1.3L	Diversey Gentle foam hand wash	19	UO			
946mL	Diversey Prominence	16	UO			
1 Qt / 946mL	Virex Tb	22	UO			

* 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.

4 boxes of J-512 Sanitizer

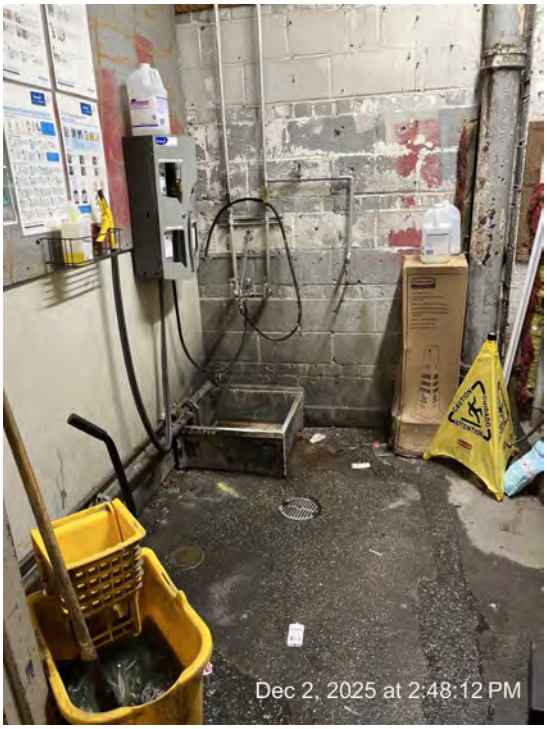
1gal	Luster Ultra Metal Safe Detergent	1	UO
2.5gal	Produce Max	3	UO

Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Stop & Shop**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 1	
Photo Location: Stop & Shop - Cleaning Supplies Closet	
Direction: Not Applicable	
Survey Date: 12/2/2025	
Comments: View of the cleaning supplies closet, located near the Men's restroom in the back area of the Stop & Shop. The SDS binder is visible on the top left shelf.	

Photograph ID: 2	
Photo Location: Stop & Shop - Janitor's Closet	
Direction: Not Applicable	
Survey Date: 12/2/2025	
Comments: View of the Janitor's closet located in the back area of the Stop & Shop. A floor drain is visible.	

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Stop & Shop**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 3 **Photo Location:** Stop & Shop - Ceiling **Direction:** Not Applicable **Survey Date:** 12/2/2025 **Comments:** View of the ceiling in the back area of the Stop & Shop near the loading docks.	
Photograph ID: 4 **Photo Location:** Stop & Shop - Ceiling **Direction:** Not Applicable **Survey Date:** 12/2/2025 **Comments:** View of the drop ceiling in the retail area of the stop and shop. A vent is visible.	

Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Stop & Shop**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 5

Photo Location:
Stop & Shop - Retail

Direction:
Not Applicable

Survey Date:
12/2/2025

Comments:
View of a portion of the products for sale in the laundry/cleaning supplies aisle.



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 12/3/25

Preparer's Affiliation Stantec Phone No. _____

Purpose of Investigation Soil Vapor Intrusion Study

1. OCCUPANT: Citibank

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location Varies Age of Occupants Varies

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	School	(Commercial/Multi-use)
Industrial	Church	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) Bank

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

Other characteristics:

Number of floors 1 Building age +/35 years

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

Minimal → Open doors

Infiltration into air ducts

Unknown

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 tile/carpet	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is:	wet	damp	dry	moldy N/A
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: 0 (feet)

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

None Noted

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)

(Hot air circulation)	Heat pump	Hot water baseboard	baseboard heaters
~~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	Unknown
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other Roof
Air conditioning:	(Central Air)	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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.

vents in ceiling throughout → see photos

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Bank Branch
2nd Floor	
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? Not in 15 years

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? _____

g. Is there smoking in the building? Y (N) How frequently? _____

h. Have cleaning products been used recently? (Y) / N When & Type? _____

i. Have cosmetic products been used recently? Y (N) When & Type? _____

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

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

l. Have air fresheners been used recently? 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

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

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? _____

If yes, are their clothes washed at work? Y / N

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

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

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

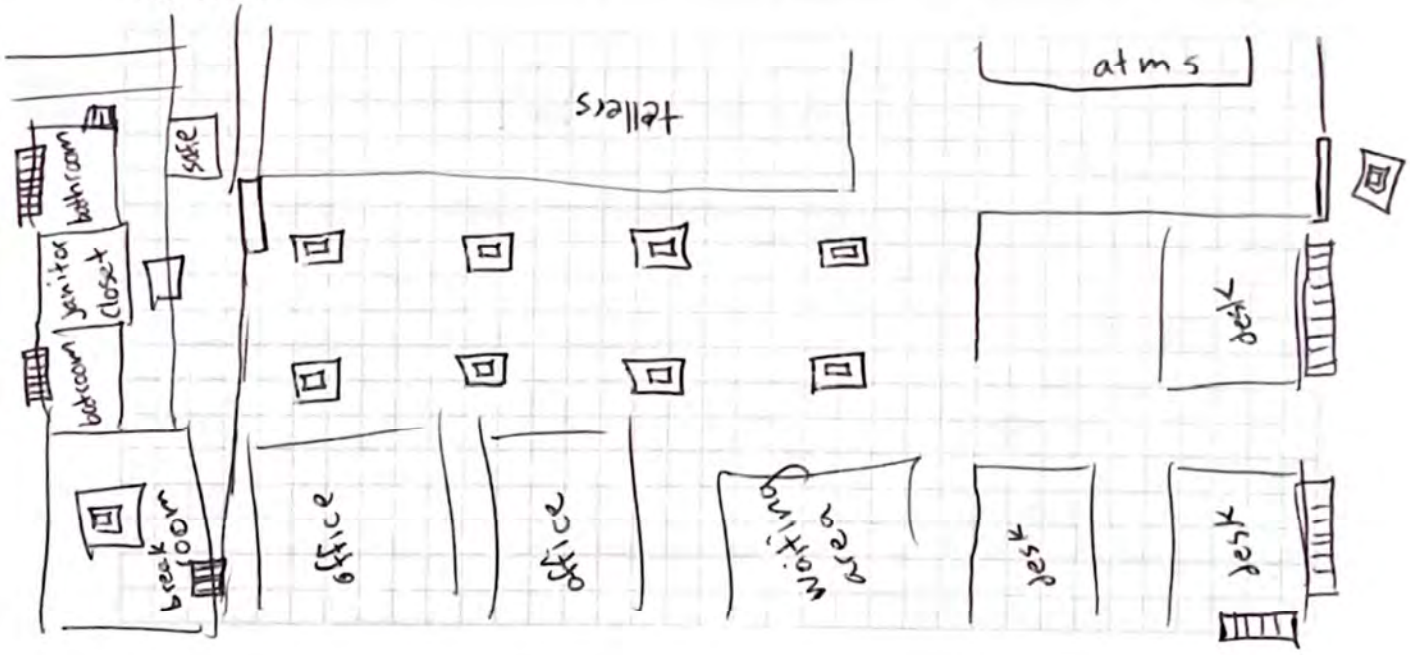
11. FLOOR PLANS

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:

N/A

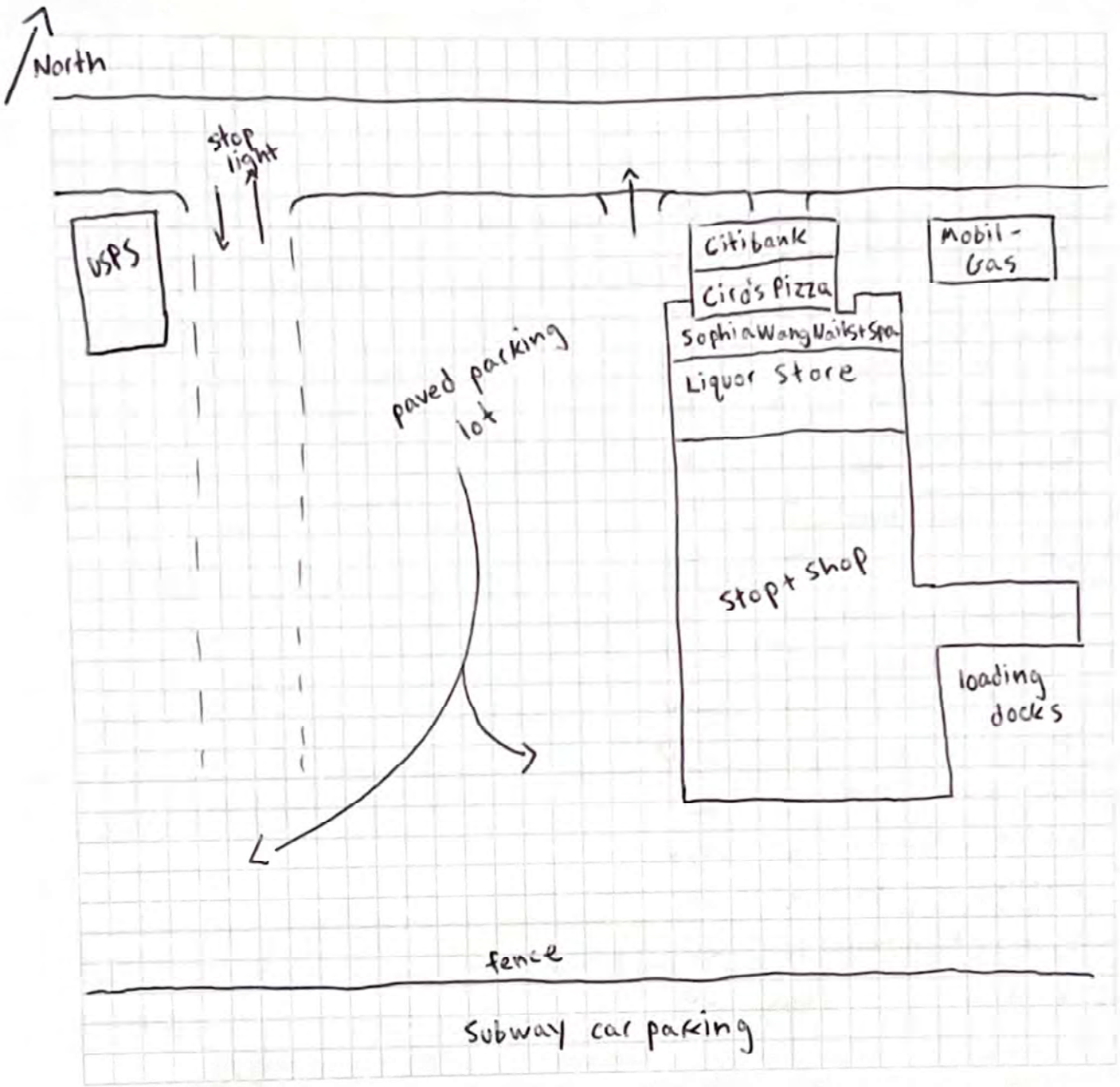
First Floor:



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.

janitor's closet → see photo's

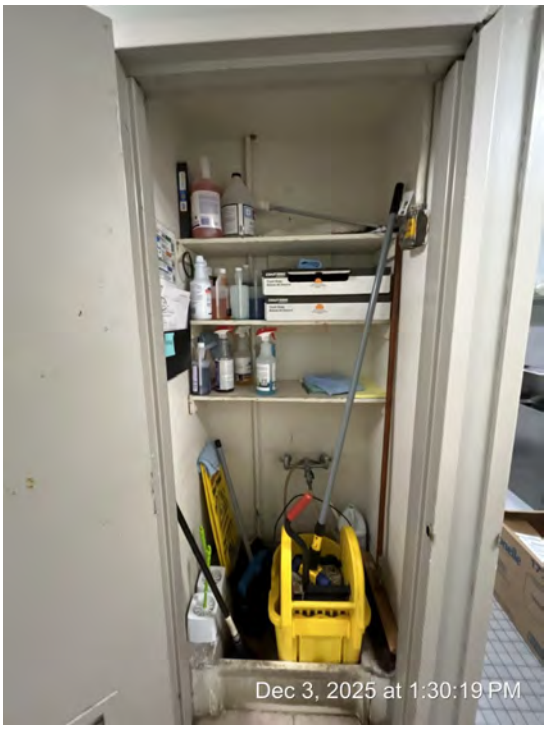
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

* 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.

Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Citibank**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 1 **Photo Location:** Citibank - Janitor's Closet **Direction:** Not Applicable **Survey Date:** 12/3/2025 **Comments:** View of the Janitor's closet in the Citibank. Cleaning supplies and a floor sink are visible.	
Photograph ID: 2 **Photo Location:** Citibank - Backdoor **Direction:** Not Applicable **Survey Date:** 12/3/2025 **Comments:** View of the backdoor to the Citibank, showing the drop ceiling and laminate tile flooring. A heating vent is visible on the wall to the left.	

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Citibank**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

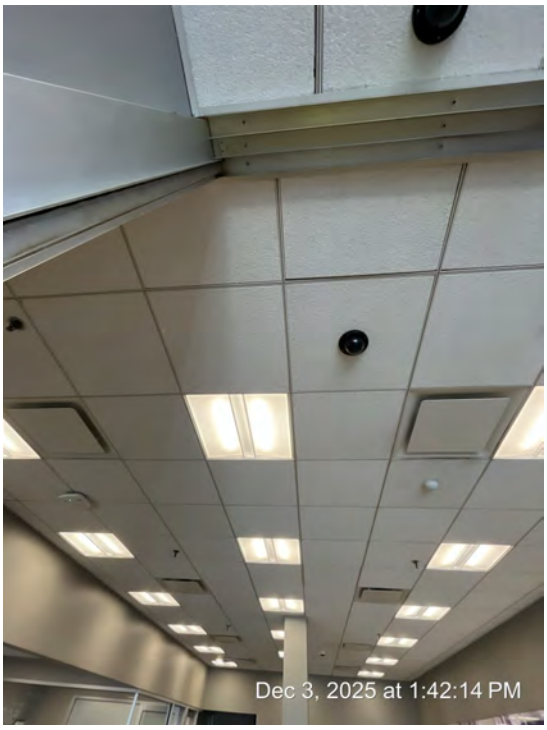
Photograph ID: 3

Photo Location:
Citibank - Customer Area

Direction:
Not Applicable

Survey Date:
12/3/2025

Comments:
View of the drop ceiling with vents in the customer area.



Photograph ID: 4

Photo Location:
Citibank - Office Area

Direction:
Not Applicable

Survey Date:
12/3/2025

Comments:
A baseboard heater is visible on the backwall of this office space.



Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Citibank**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 5

Photo Location:
Citibank - Restroom

Direction:
Not Applicable

Survey Date:
12/3/2025

Comments:
A baseboard heater is visible on the backwall of this restroom.



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 12/4/25 1435

Preparer's Affiliation Stantec Phone No. _____

Purpose of Investigation Soil Vapor Intrusion Investigation

1. OCCUPANT: Ciro's Pizza

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: Queens

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location Varies Age of Occupants Varies

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	School	(Commercial/Multi-use)
Industrial	Church	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) Pizza Restaurant (part of strip mall)

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

Other characteristics:

Number of floors 1 Building age 35 +/-

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 Open doors

Infiltration into air ducts unknown

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 ceramic tiles	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with paint	
h. The basement is:	wet	damp	dry	moldy N/A
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: 0 (feet)

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

ceramic tiles

~~none noted~~ cracks/patches in flooring visible throughout

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)

(Hot air circulation)	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	unknown
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: _____

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

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? Y / N

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.

ducts are located above the ceiling tiles → vents visible

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never 10AM -

Level	General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)
Basement	
1st Floor	Restaurant – Pizza
2nd Floor	
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?

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?

g. Is there smoking in the building? Y (N) How frequently?

h. Have cleaning products been used recently? Y / N When & Type? Unknown

i. Have cosmetic products been used recently? Y / N When & Type? Unknown

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

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? (Y) N If yes, where vented? Roof

n. Is there a bathroom exhaust fan? (Y) N If yes, where vented? Roof

o. Is there a clothes dryer? Y (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: Pizza

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? _____

If yes, are their clothes washed at work? Y / N

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

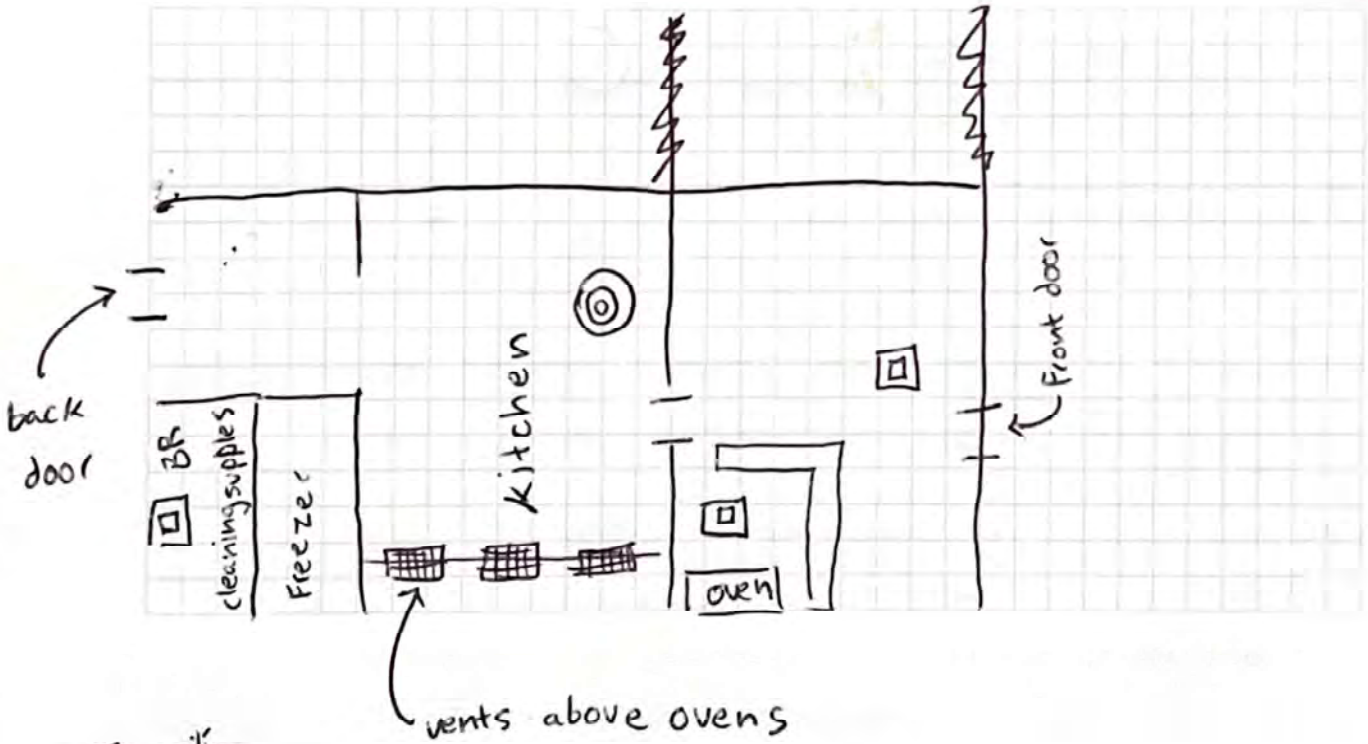
d. Relocation package provided and explained to residents? Y / N

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:

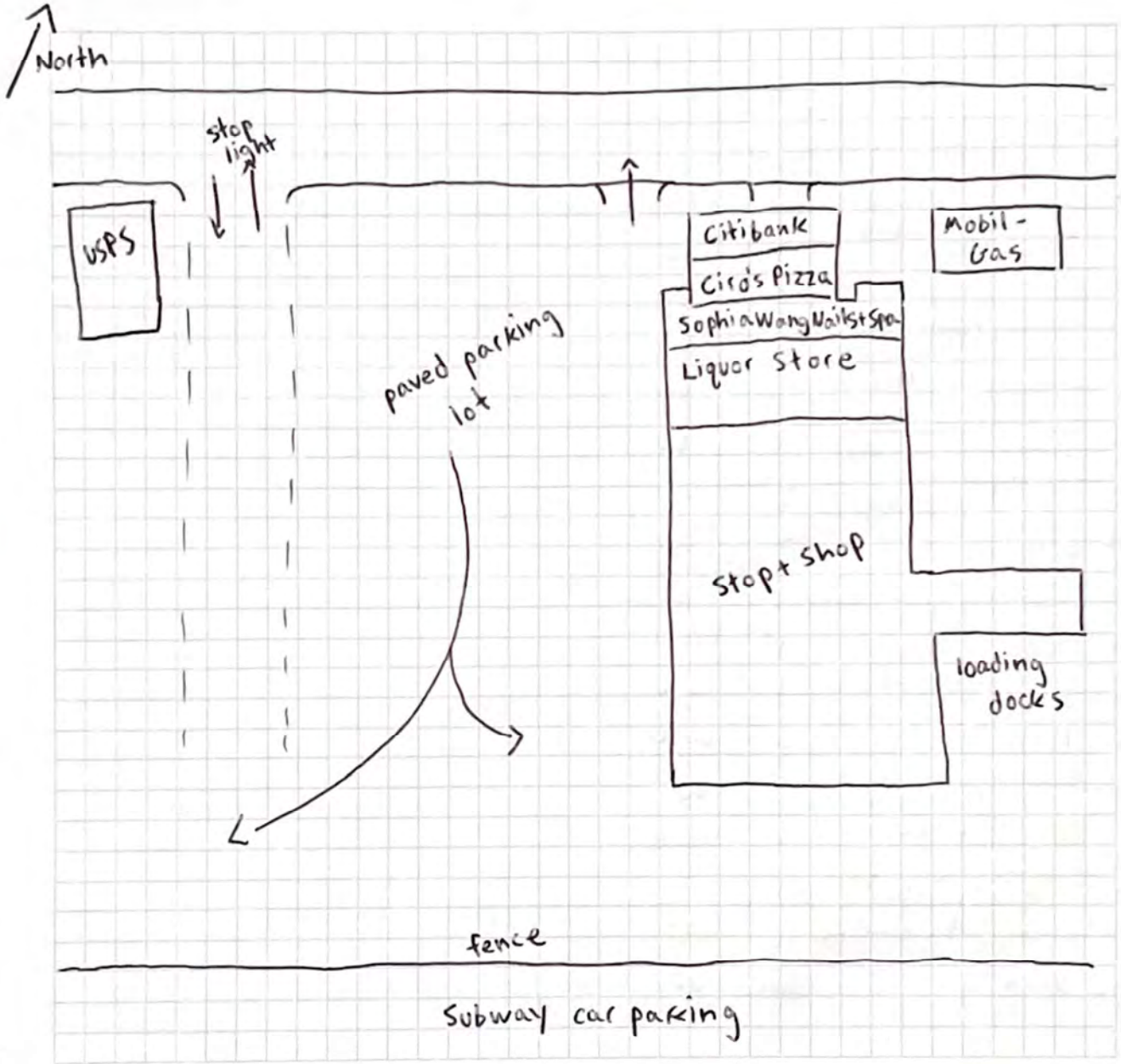
First Floor:



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.

See photos → cleaning products

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

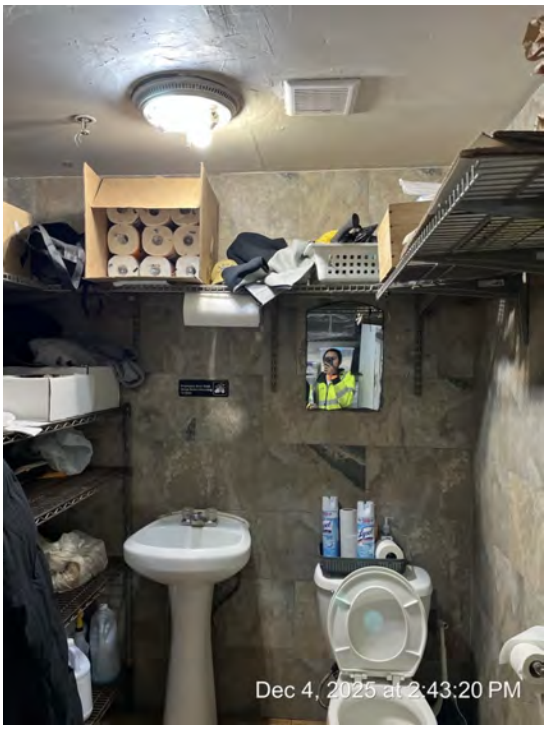
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**

** 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.

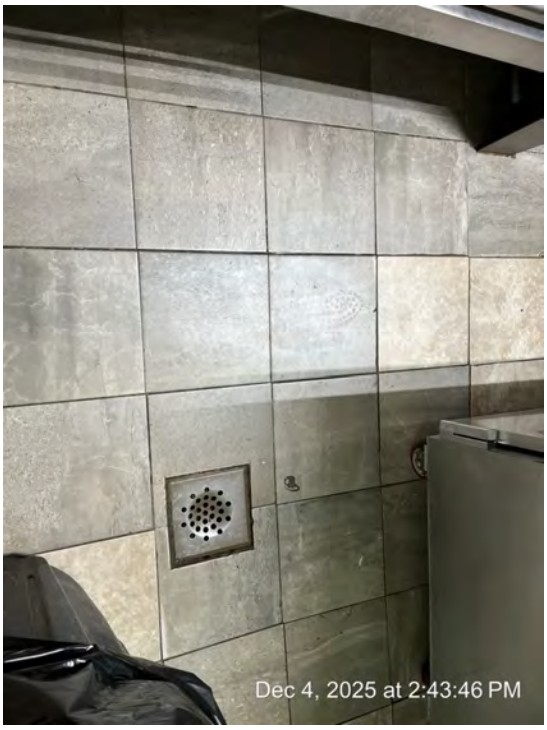
Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Ciro's Pizza**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 1 **Photo Location:** Ciro's Pizza - Restorrom **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the restroom with a vent and sprinkler visible on the ceiling. This room is also utilized for cleaning supplies storage.	
Photograph ID: 2 **Photo Location:** Ciro's Pizza - Flooring **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of cracked/damaged tile flooring at Ciro's Pizza.	

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Ciro's Pizza**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 3 **Photo Location:** Ciro's Pizza - Flooring **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the Ciro's Pizza flooring, a floor drain is visible.	
Photograph ID: 4 **Photo Location:** Ciro's Pizza - Retail Area Ceiling **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the ceiling in the retail area at Ciro's Pizza. Vents are visible in the ceiling.	

Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center -Ciro's Pizza**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

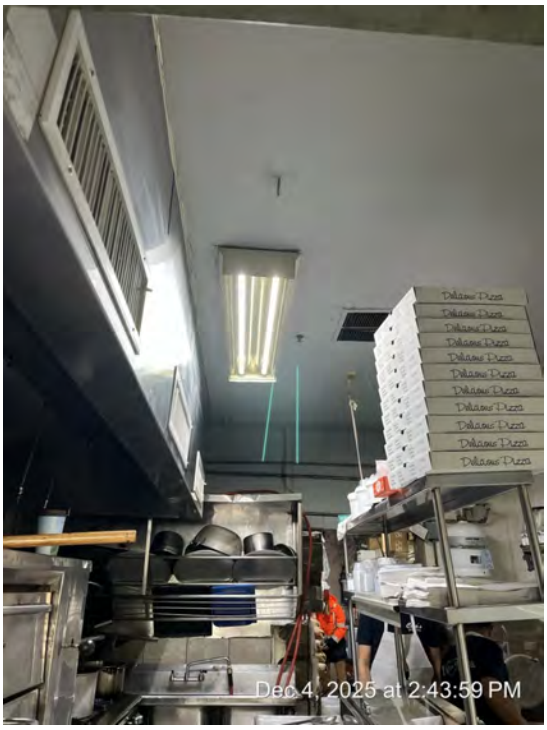
Photograph ID: 5

Photo Location:
Ciro's Pizza - Kitchen

Direction:
Not Applicable

Survey Date:
12/4/2025

Comments:
View of the vents above the oven in the kitchen at Ciro's Pizza.



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 12/4/25

Preparer's Affiliation Stantec Phone No. _____

Purpose of Investigation Soil vapor Intrusion investigation

1. OCCUPANT: Sophia Wang Nails + Spa

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: 113-13 Beach Channel Drive, Rockaway Park

County: Queens

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

Number of Occupants/persons at this location Varies Age of Occupants Varies

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 School (Commercial/Multi-use)
Industrial Church 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 (part of Strip Mall)

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

Other characteristics:

Number of floors 1 Building age 35 ±

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

AC over front door; gaps visible at bottom of back door

Infiltration into air ducts

ceiling vents in drop ceiling, AC over front door

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 NA
d. Basement floor:	uncovered	covered	covered with NA	
e. Concrete floor:	unsealed	sealed	sealed with Tile	
f. Foundation walls:	(poured)	block	stone	other
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is:	wet	damp	dry	moldy NA
i. The basement is:	finished	unfinished	partially finished	NA
j. Sump present?	Y (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: 0 (feet)

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

cracks visible in the tile flooring throughout the space

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)

(Hot air circulation)	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
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

front above door

Are there air distribution ducts present? (Y) N

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.

Thermostat set at 74°

Supply + returns in ceiling

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never NA

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	Nail salon (hours → 9:30AM - 7:30PM)
2nd Floor	
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?_____

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?_____

g. Is there smoking in the building? Y (N) How frequently?_____

h. Have cleaning products been used recently? Y / N When & Type? unknown

i. Have cosmetic products been used recently? (Y) N When & Type? Nail products - nail polish/remover

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

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? (on ceiling) (Y) N If yes, where vented? unknown

n. Is there a bathroom exhaust fan? (on ceiling) (Y) N If yes, where vented? unknown

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? (Y) N
If yes, please describe: Acetone / perfume smell

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? Acetone

If yes, are their clothes washed at work? Y / N

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

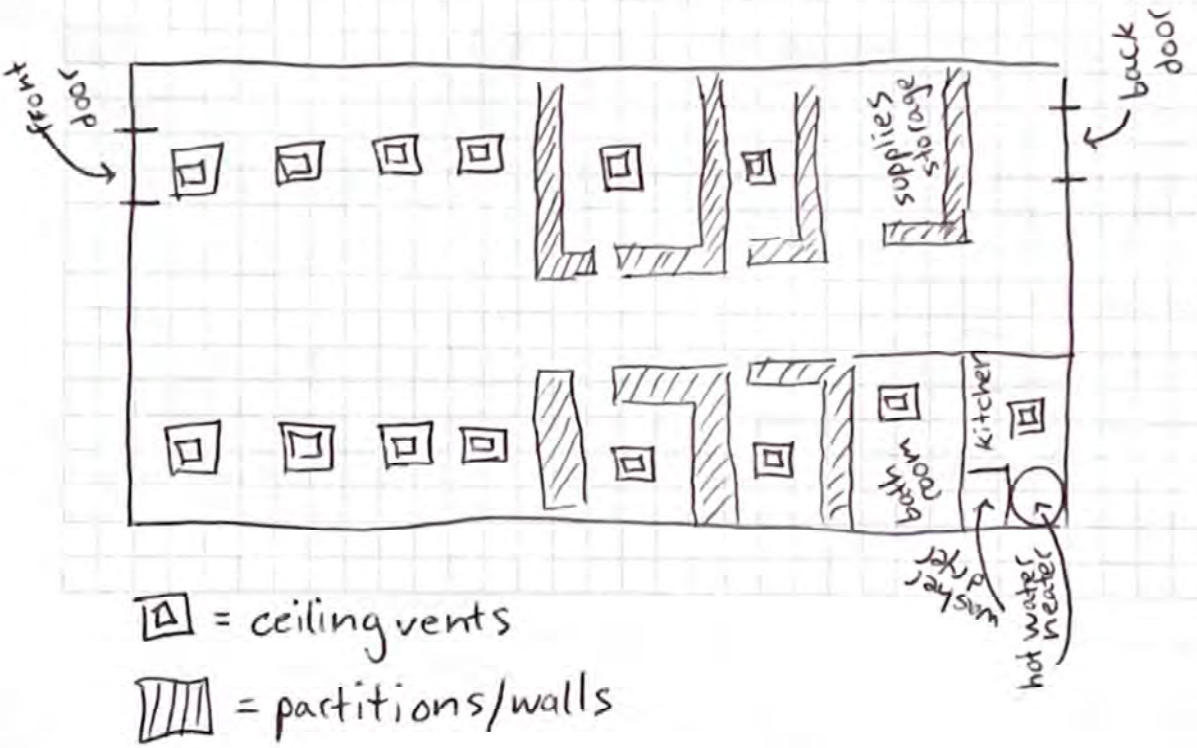
d. Relocation package provided and explained to residents? Y / N

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:

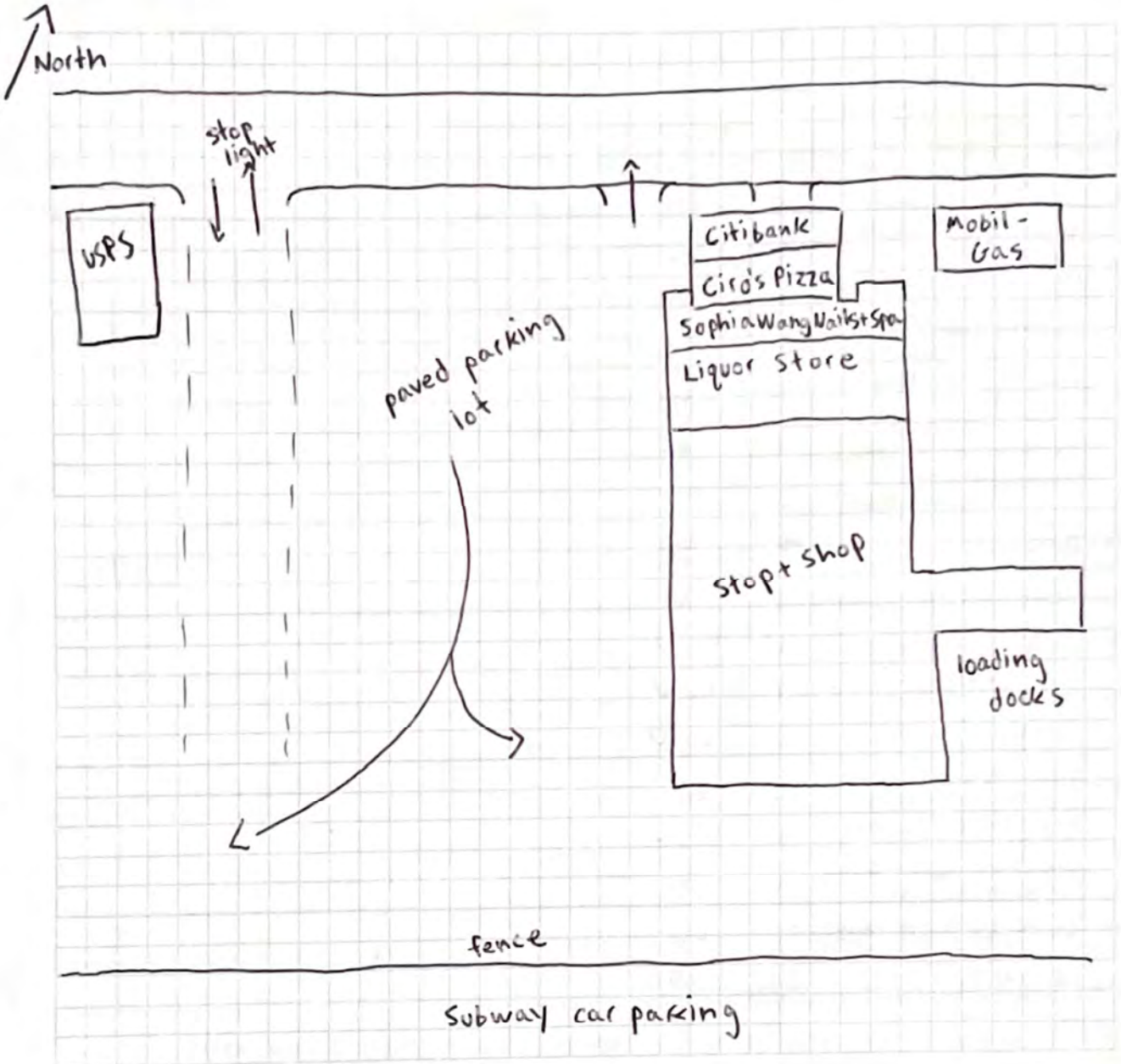
First Floor:



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.

see photos for more details

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
	Lensco C-spray					
	Clorox bleach					
	HANA IPA 70%	Isopropyl Alcohol				
	Vivid Nails Clear	Non-yellow liquid				
	Alcohol 100% Isopropyl					
	Activator Almond					
	Windex					
5 gallon buckets of Pedi scrub gel						
	100% Pure Acetone					
	Liquid Soap					
	Hand sanitizer					

* 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.

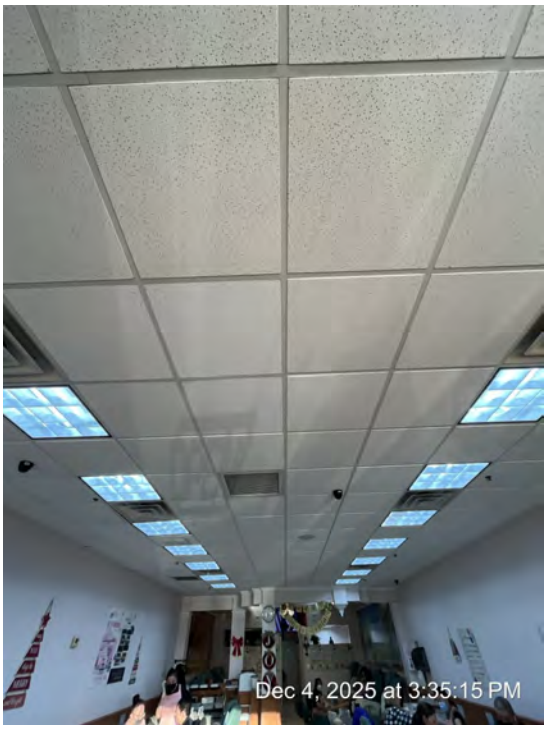
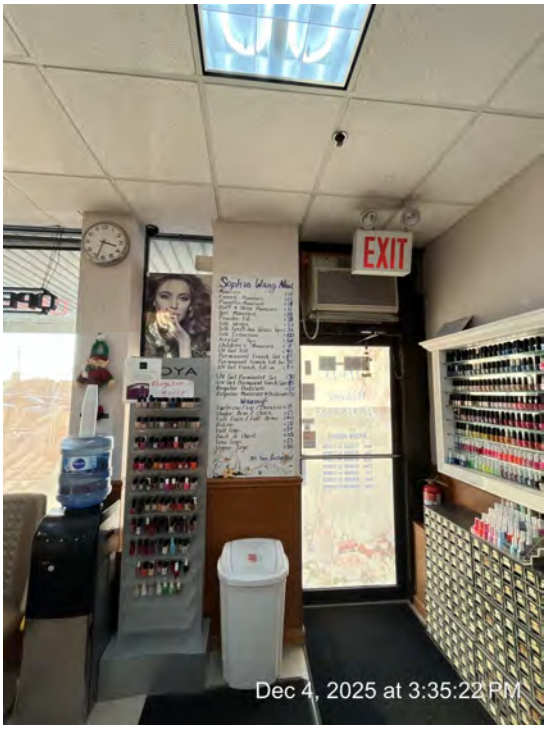
Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center - Sofia's Nail Salon**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 1 **Photo Location:** Sofia's Nail Salon - Storage Room **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the cleaning supplies and nail salon products kept in the storage room.	
Photograph ID: 2 **Photo Location:** Sofia's Nail Salon - Kitchen/Laundry room **Direction:** Not Applcable **Survey Date:** 12/4/2025 **Comments:** View of the laundry machine, hot water heater, microwave, and fridge. A vent is visible on the ceiling.	

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center - Sofia's Nail Salon**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 3 **Photo Location:** Sofia's Nail Salon - Ceiling **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the drop ceiling at the nail salon, several vents are visible.	
Photograph ID: 4 **Photo Location:** Sofia's Nail Salon - Front Door **Direction:** Not Applicable **Survey Date:** 12/4/2025 **Comments:** View of the front entrance to the nail salon. An air conditioning unit is visible above the door.	

Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center - Sofia's Nail Salon**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

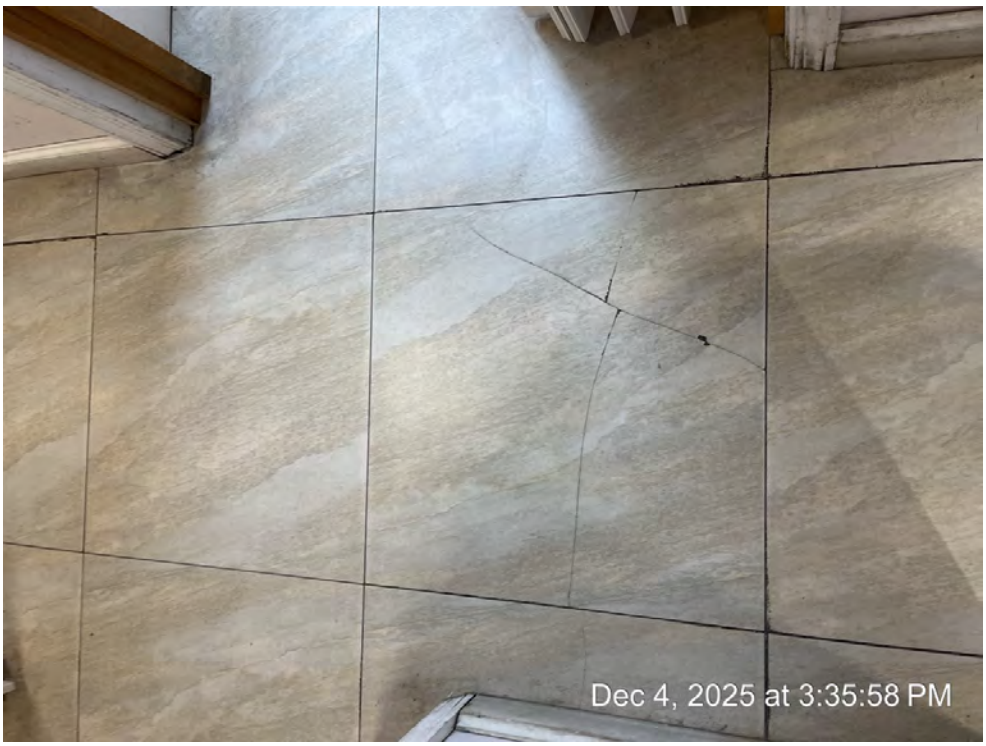
Photograph ID: 5

Photo Location:
Sofia's Nail Salon - Flooring

Direction:
Not Applicable

Survey Date:
12/4/2025

Comments:
View of the tile flooring at the nail salon. Cracks are visible.



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 Bnta Goren Date/Time Prepared 12/4/25 1500

Preparer's Affiliation Stantec Phone No. 517-342-9597

Purpose of Investigation NYSDEC Site ~~#~~ soil vapor intrusion investigation

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: Wine Liquor Warehouse First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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	School	~~Commercial/Multi-use~~
Industrial	Church	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) Retail Store

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

Other characteristics:

Number of floors 1 Building age 35 +/-

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

Not measured

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 _____	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is:	wet	damp	dry	moldy N/A
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)

No cracks noted though 2 small breaks in the linoleum see photos

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)

(Hot air circulation)	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	
Electric	Propane	Solar	unknown
Wood	Coal		

Domestic hot water tank fueled by: _____

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

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? Y / N

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.

Ducts and ductwork suspended from ceiling (~15' high)
No way to test duct tightness.
~~System~~

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Retail space (liquor store)
2nd Floor	
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?

g. Is there smoking in the building? Y (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? Floor cleaner, windowcleaner

i. Have cosmetic products been used recently? Y (N) When & Type?

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

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

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? N/A

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? unknown

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

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? _____

If yes, are their clothes washed at work? Y / N

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

Yes, use dry-cleaning regularly (weekly) (No)
Yes, use dry-cleaning infrequently (monthly or less) (Unknown)
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: 2011
Is the system active or passive? (Active)/Passive In adjacent unit

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

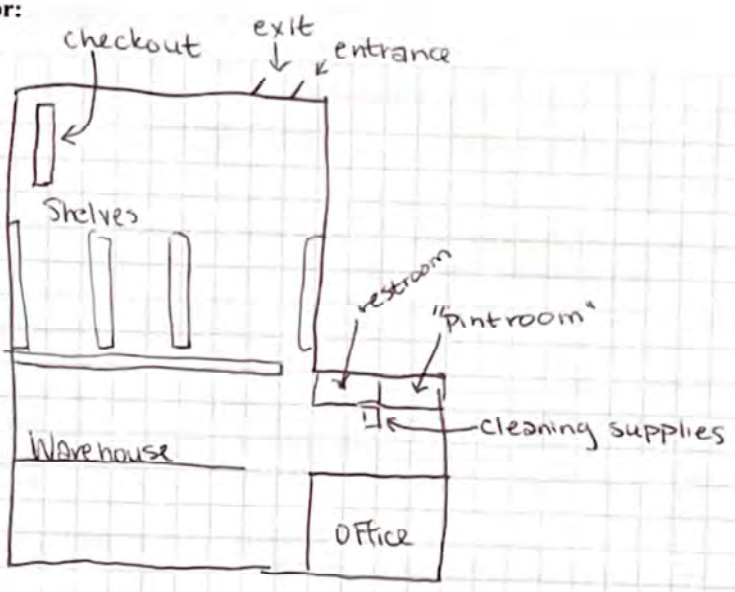
d. Relocation package provided and explained to residents? Y / N

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: N/A

First Floor:



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: N/A

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

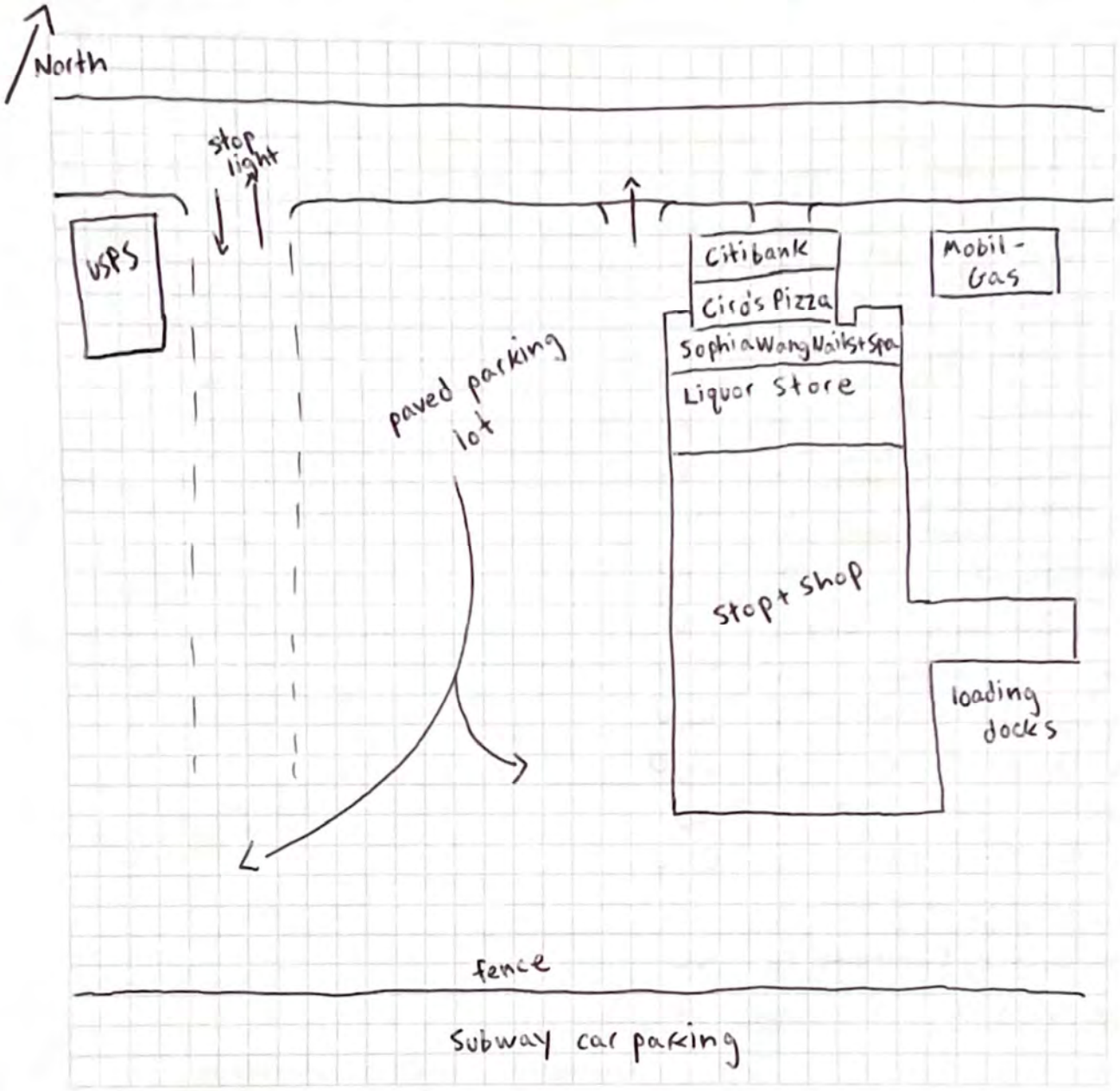
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Restroom	Industry Cleaner & Degreaser	5gal	~~Good~~ U	simplegreen	N/A	Y

* 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.

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.



Stantec

Photographic Log

Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center - Liquor Wine Warehouse**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

Photograph ID: 1

Photo Location:
Liquor Wine Warehouse - Back Area

Direction:
Not Applicable

Survey Date:
1/14/2026

Comments:
Cleaning Supplies visible outside the restroom.



Photograph ID: 2

Photo Location:
Liquor Wine Warehouse - Restroom

Direction:
Not Applicable

Survey Date:
1/14/2026

Comments:
View of the restroom with a vent visible in the ceiling.



Client:	**Stop & Shop**	**Project:**	**2026 Annual Sub-Slab Depressurization System OM&M Report**
Site Name:	**Belle Harbor Shopping Center - Liquor Wine Warehouse**	**Site Location:**	**112-15 Beach Channel Drive, Queens, New York**

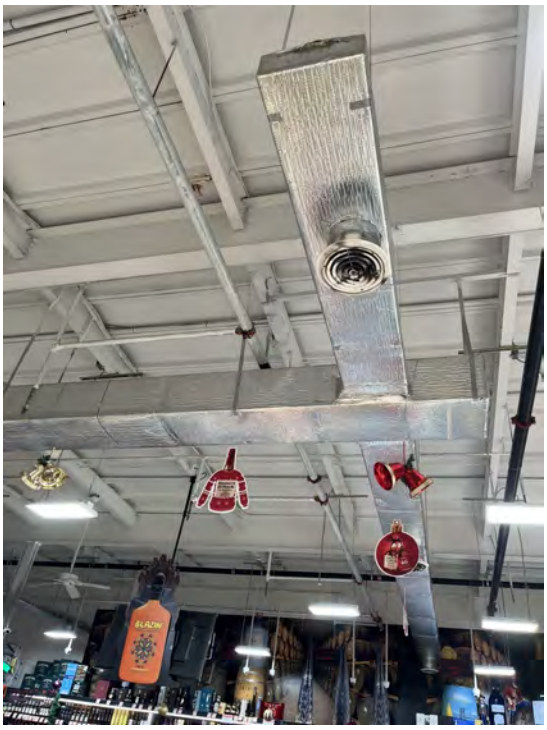
Photograph ID: 3

Photo Location:
Liquor Wine Warehouse - Ceiling

Direction:
Not Applicable

Survey Date:
1/14/2026

Comments:
View of the ducts and vents on the ceiling in the retail area.



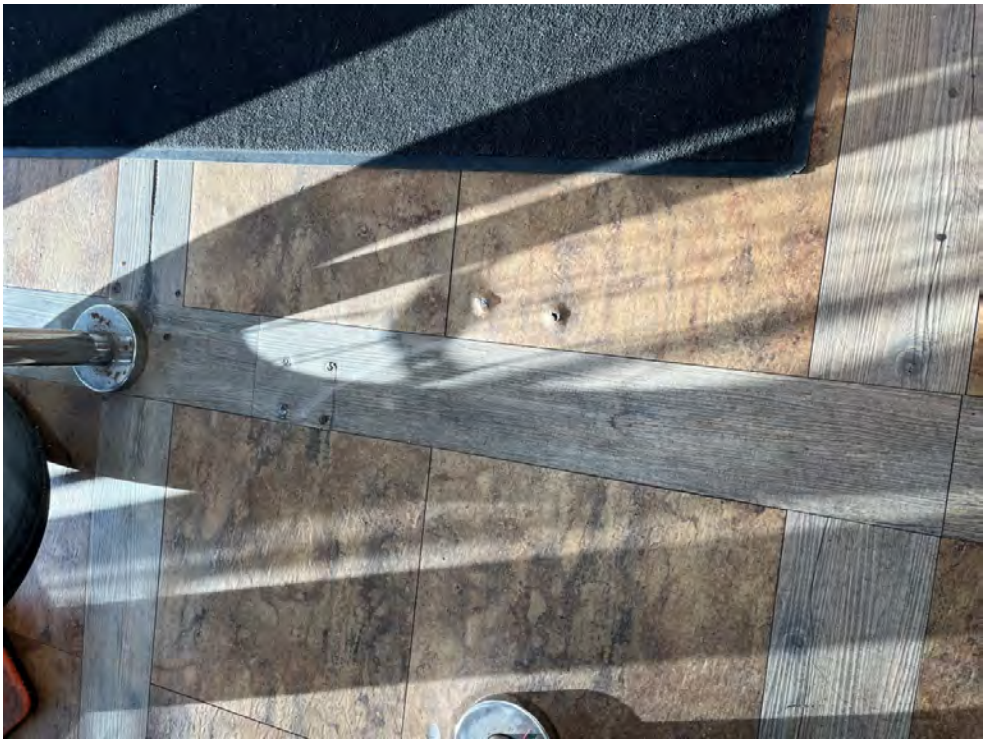
Photograph ID: 4

Photo Location:
Not Applicable

Direction:
Not Applicable

Survey Date:
1/14/2026

Comments:
View of the flooring in the retail area with several holes visible.



ATTACHMENT 2

Vapor Intrusion Sample Logs: December 2025 Sampling Event

Stantec

INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-7 Building: Citibank Date: 12/3/25

Barometric Pressure Start: 30.01"Hg End: Wind Speed/Direction: 12 mph NNW

Canister # 2773 Flow Controller # 01289 Start: 0916 End: 1616

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
0916	-30.37	-	0	34	39.7	0.0	30.01	
1019	-27.55	-	0	35	38.6	0.0	30.04	
1113	-25.29	-	0	37	38.6	0.0	30.04	
1208	-22.96	-	0	39	35.4	0.0	30.04	
1320	-19.86	-	0	39	29.4	0.0	30.05	
1407	-17.84	-	0	40	—	0.0	30.05	
1520	-14.47	-	0	40	20.2	0.0	30.04	
1616	-12.11	-	0	40	30.8	0.0	30.04	Citibank closes at 4PM - able to stay for an extra few minutes

Differential Pressure Reading @ 1107 - ~~0.000~~ -0.003

Stantec

INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-11 Building: Ciro's Pizza Date: 12/3/25

Barometric Pressure Start: 30.04" Hg End: Wind Speed/Direction: 12 mph NNW

Canister # 5467 Flow Controller # 02709 Start: 1023 End: 1823

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
1023	-30.13	—	0	35	38.6	0.0	30.04	
1114	-28.15	—	0	37	38.6	0.0	30.04	
1209	-25.61	—	0	39	35.4	0.0	30.04	
1322	-22.18	—	0	39	29.4	0.0	30.05	
1408	-19.96	—	0	40	—	0.0	30.05	
1521	-17.22	—	0	40	20.2	0.0	30.04	
1619	-14.39	—	0	40	30.8	0.0	30.04	
1720	-11.53	—	0	39	—	0.0	30.06	

* Measured with TSI VelociCalc

1823 | -8.67 | — | 0 | 39 | — | 0.0 | 30.08 |

Stantec

INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IAQ-1 Building: Nail Salon Date: 12/3/25

Barometric Pressure Start: End: Wind Speed/Direction: 12 mph NNW

Canister # 2055 Flow Controller # 02920 Start: 1026 End: 1826

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
1026	-30.16	—	0	35	38.6	0.0	30.04	
1115	-27.41	—	0	37	38.6	0.0	30.04	
1210	-24.15	—	0	39	35.4	0.0	30.04	
1323	-19.87	—	0	39	29.4	0.0	30.05	
1410	-17.13	—	0	40	—	0.0	30.05	
1522	-12.83	—	0	40	20.2	0.0	30.04	
1620	-9.55	—	0	40	30.8	0.0	30.04	
1719	-6.58	—	0	39	—	0.0	30.06	
1826	-4.10	—	0	39	—	0.0	30.08	

Stantec

INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-9 Building: Liquor Store Date: 12/3/25

Barometric Pressure Start: 30.04" Hg End: Wind Speed/Direction: 12 mph NNW

Canister # ~~2~~ 4525 Flow Controller # 03253 Start: 1031 End: 1831

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
1031	-30.15	—	0	35	38.6	0.0	30.04	
1116	-28.00	—	0	37	38.6	0.0	30.04	
1211	-25.37	—	0	39	35.4	0.0	30.04	
1324	-21.69	—	0	39	29.4	0.0	30.05	
1411	-19.34	—	0	40	—	0.0	30.05	
1523	-15.65	—	0	40	20.2	0.0	30.04	
1621	-13.21	—	0	40	30.8	0.0	30.04	
1718	-10.55	—	0	39	—	0.0	30.06	
1851	-7.21	—	0	39	—	0.0	30.08	

Stantec

INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-201 Building: Stop+Shop Meat Dept. Date: 12/3/25

Barometric Pressure Start: 30.01"Hg End: 30.07"Hg Wind Speed/Direction: 12 mph NNW

Canister # 3154 Flow Controller # 02681 Start: 0934 End: 1738

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
0934	-29.41	-	0	34	39.7	0.0	30.01	
1035	-27.87	-	0	35	38.6	0.0	30.02	
~~1102~~ 1135	-25.26	-	0	37	38.6	0.0	30.04	
1233	-22.64	-	0	38	35.4	0.0	30.05	
1334	-19.84	-	0	39	29.4	0.0	30.05	
1436	-16.96	-	0	40	29.4	0.0	30.05	
1534	-14.35	-	0	40	20.2	0.0	30.04	
1634	-11.67	-	0	40	30.8	0.0	30.05	
1738	-8.86	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-202 Building: Stop & Shop - Bakery Date: 12/3/25

Barometric Pressure Start: 30.01 End: 30.07" Hg Wind Speed/Direction: 12 mph NNW

Canister # 789 Flow Controller # 02723 Start: 0929 End: 1736

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
0929	-30.09	-	0	34	39.7	0.0	30.01	
1033	-26.84	-	0	35	38.6	0.0	30.02	
1134	-23.92	-	0	37	38.6	0.0	30.04	
1232	-21.10	-	0	38	35.4	0.0	30.05	
1333	-18.17	-	0	39	29.4	0.0	30.05	
1435	-15.09	-	0	40	29.4	0.0	30.05	
1533	-12.24	-	0	40	20.2	0.0	30.04	
1633	-9.41	-	0	40	30.8	0.0	30.05	
1736	-6.41	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-203 Building: Stop+Shop Floral Dept. Date: 12/3/25

Barometric Pressure Start: 30.01" Hg End: 30.07"Hg Wind Speed/Direction:

Canister # 1819 Flow Controller # 02732 Start: 0924 End: 1734

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	-29.76	-	0	34	39.7	0.0	30.01	
1033	-26.76	-	0	35	38.6	0.0	30.02	
1133	-23.81	-	0	37	38.6	0.0	30.04	
1231	-20.98	-	0	38	35.4	0.0	30.05	
1333	-17.96	-	0	39	29.4	0.0	30.05	
1434	-14.95	-	0	40	29.4	0.0	30.05	
1533	-12.09	-	0	40	20.2 ~~29.4~~	0.0	30.04	
1633 ~~1624~~	-9.13	-	0	40	30.8	0.0	30.05	
1734	-6.01	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-205 Building: Stop & Shop Restrooms Date: 12/3/25

Barometric Pressure Start: 30.01" Hg End: 30.07" Hg Wind Speed/Direction: 12mph NNW

Canister # 5475 Flow Controller # 03258 Start: 0948 End: 1748

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
0948	-30.08	-	0	34	39.7	0.0	30.01	
1039	-21.36	-	0	35	38.6	0.0	30.02	Tried tightening connection
1136	-18.46	-	0	37	38.6	0.0	30.04	
1234	-15.99	-	0	38	35.4	0.0	30.05	
1335	-13.41	-	0	39	29.4	0.0	30.05	
1437	-10.79	-	0	40	29.4	0.0	30.05	
1536	-8.36	-	0	40	20.2	0.0	30.04	
1635	-5.87	-	0	40	30.8	0.0	30.05	
1748	-2.87	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-206 Building: StopNShop Loading Dock Date: 12/3/25

Barometric Pressure Start: 30.01" Hg End: 30.07" Hg Wind Speed/Direction: 12 mph NNW

Canister # 3385 Flow Controller # 03242 Start: 0941 End: 1740

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
0941	-29.01	–	0	34	39.7	0.0	30.01	
1036	-29.40	–	0	35	38.6	0.0	30.02	Valve bumped closed
1135	-26.11	–	0	37	38.6	0.0	30.04	
1233	-22.94	–	0	38	35.4	0.0	30.05	
1334	-19.80	–	0	39	29.4	0.0	30.05	
1436	-16.58	–	0	~~39~~ 40	29.4	0.0	30.05	
1536	-13.43	–	0	40	20.2	0.0	30.04	
1634	-10.40	–	0	40	30.8	0.0	30.05	
1740	-7.08	–	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-207 Building: Stop + Shop Aisle 6 Date: 12/3/25

Barometric Pressure Start: ~~29.7~~ 30.01" Hg End: 30.07" Hg Wind Speed/Direction: 12 mph NNW

Canister # 5188 Flow Controller # 02677 Start: 1004 End: 1804

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
1004	-30.20	-	0	34	39.7	0.0	30.01	
1043	-28.20	-	0	35	38.6	0.0	30.02	
1139	-25.36	-	0	37	38.6	0.0	30.04	
1236	-22.59	-	0	38	35.4	0.0	30.05	
1337	-19.57	-	0	39	29.4	0.0	30.05	
1439	-16.47	-	0	40	29.4	0.0	30.05	
1538	-13.65	-	0	40	20.2	0.0	30.04	
1638	-10.53	-	0	40	30.8	0.0	30.05	
1804	-6.26	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-208 Building: Stop & Shop Danks Date: 12/3/25

Barometric Pressure Start: 30.04" Hg End: 30.07" Hg Wind Speed/Direction: 12mph NNW

Canister # 1799 Flow Controller # 02205 Start: 1010 End:

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
1010	-30.13	-	0	35	38.6	0.0	30.04	
1045	-28.53	-	0	35	38.6	0.0	30.02 ~~30.04~~	
1140	-25.80	-	0	37	38.6	0.0	30.04	
1237	-22.99	-	0	38	35.4	0.0	30.05	
1338	-19.97	-	0	39	29.4	0.0	30.05	
1441	-16.91	-	0	40	29.4	0.0	30.05	
1539	-14.07	-	0	40	20.2	0.0	30.04	
1638	-11.19	-	0	40	30.8	0.0	30.05	
1810	-7.23	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # IA-209 Building: ~~Study~~ Shop Freezers Date: 12/3/25

Barometric Pressure Start: 30.01"Hg End: 30.07"Hg Wind Speed/Direction: 12 mph NNW

Canister # 2097 Flow Controller # 01654 Start: 0956 End: 1757

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
0956	-29.94	-	0	34	39.7	0.0	30.01	
1042	-27.70	-	0	35	38.6	0.0	30.02	
1138	-24.95	-	0	37	38.6	0.0	30.04	
1235	-22.05	-	0	38	35.4	0.0	30.05	
1336	-19.02	-	0	39	29.4	0.0	30.05	
1439	-15.93	-	0	40	29.4	0.0	30.05	
1537	-13.04	-	0	40	20.2	0.0	30.04	
1637	-10.05	-	0	40	30.8	0.0	30.05	
1757	-6.59	-	0	39		0.0	30.07	

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INDOOR/OUTDOOR AIR SAMPLE LOG

Sample ID # AMB-1 Building: Outside-Fence Date: 12/3/25

Barometric Pressure Start: 30.01 "Hg End: Wind Speed/Direction: 12mph NNW

Canister # 1794 Flow Controller # 03175 Start: 0859 End: 1659

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
0859	-30.59	-	0	34	39.7	0.0	30.01	
1000	-27.62	-	0	35	38.6	0.0	30.04	
1101	-24.22	-	0	37	38.6	0.0	30.04	
1204	-20.69	-	0	39	35.4	0.0	30.04	
1317	-16.75	-	0	39	~~17.9~~ 29.4	0.0	30.05	
1404	-14.14	-	0	40	29.4	0.0	30.05	
1522	-9.89	-	0	40	20.2	0.0	30.04	
1602	-8.16	-	0	40	30.8	0.0	30.04	
1659	-5.71	-	0	39	-	0.0	30.06	

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-11 Ciro's Pizza

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Partly sunny
Project #:	195601412	Temperature/Pressure:	41F, 30.01"Hg
Location:	Queens, NY	Wind Speed/Direction:	18mph WNW
Sampler(s):	JN & BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9% O2, 0LEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 4398

Flow Controller ID: 0242

Pressure Reported by Laboratory: -29.5"Hg

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	6.0%	0	0	0	10.3%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.159	-0.148

Sampling Information:

	Time	Pressure (inHg)
Start	1444	-30.01
Check #1	1447	-25.54
Check #2	1450	-20.52
Check #3	1453	-14.82
Check #4	1456	-9.72
Stop	1459	-3.42

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-9 Liq Warehouse

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Partly sunny
Project #:	195601412	Temperature/Pressure:	41F, 30.01" Hg
Location:	Queens, NY	Wind Speed/Direction:	18mph WNW
Sampler(s):	JN + BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9% O2, 0 LEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 124

Flow Controller ID: 03229

Pressure Reported by Laboratory: -29.5

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	5.6%	0	0	0	8.4%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.017	-0.005

Sampling Information:

	Time	Pressure (inHg)
Start	1323	-29.61
Check #1	1326	-24.54
Check #2	1329	-19.40
Check #3	1332	-13.63
Check #4	1335	-8.34
Stop	1338	-4.74

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP 10 Liq Warehouse

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Partly Sunny
Project #:	195601412	Temperature/Pressure:	41F, 30.01"Hg
Location:	Queens, NY	Wind Speed/Direction:	18mph WNW
Sampler(s):	JN & BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9% O2, 0 LEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 400

Flow Controller ID: 0494

Pressure Reported by Laboratory: -29.4

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	15.4%	0	0	0	2.8%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.004	-0.002

Sampling Information:

	Time	Pressure (inHg)
Start	1356	-29.64
Check #1	1359	-22.91
Check #2	1402	-9.07
Check #3	1405	-13.59
Check #4	1408	-7.61
Stop	1411	-3.01

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SV-103

Stop & Shop

Client:	~~Stp~~ Belle Harbor Shoppin	Date:	12/4/25
Project:	Belle Harbor	Weather:	~~Sunny / Partly~~ Cloudy
Project #:	~~191106624~~ 195601412	Temperature/Pressure:	36°F / 30.03" Hg
Location:	Queens, NY	Wind Speed/Direction:	14 mph W
Sampler(s):	BG + JN	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	0.0		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 500

Flow Controller ID: 03194

Pressure Reported by Laboratory: -25.5

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	4750	0	0	0	17.1%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.005	-0.002

Sampling Information:

	Time	Pressure (inHg)
Start	0847	-29.72
Check #1	0850	-25.55
Check #2	0854	-18.60
Check #3	0857	-13.01
Check #4	0900	-7.77
Stop	0902	-3.84

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP 202

Stop & Shop

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Sunny
Project #:	195601412	Temperature/Pressure:	40F / 30.01" Hg
Location:	Queens, NY	Wind Speed/Direction:	18 mph WNW
Sampler(s):	JN + BG	Equipment:	Infitcc, PID, MGD-2002
Background PID Ambient Air Reading:	20.8% O2, 0 LEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 542

Flow Controller ID: 0153

Pressure Reported by Laboratory: -29.5

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	16.4%	0	0	0	16.1%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.016	-0.001

Sampling Information:

	Time	Pressure (inHg)
Start	1243	-29.72
Check #1	1246	-25.41
Check #2	1249	-20.13
Check #3	1252	-14.31
Check #4	1255	-9.29
Stop	1258	-4.40

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-205 Stop & Shop

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Cloudy
Project #:	195601417	Temperature/Pressure:	36F, 30.03" Hg
Location:	Queens, NY	Wind Speed/Direction:	14mph W
Sampler(s):	JN & BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9% O2, OLEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 2480

Flow Controller ID: D1305

Pressure Reported by Laboratory: -29.5

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	28.2%	0	0	0	12.9%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.003	-0.001

Sampling Information:

	Time	Pressure (inHg)
Start	1006	-29.86
Check #1	1009	-24.18
Check #2	1012	-19.36
Check #3	1015	-12.84
Check #4	1018	-8.25
Stop	1021	-4.12

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-206 Stop & Shop

Client:	Belle Harbor Shopping	Date:	12/4/25
Project:	Belle Harbor	Weather:	Cloudy
Project #:	~~191710624~~ 19560412	Temperature/Pressure:	36F, 30.03" Hg
Location:	Queens, NY	Wind Speed/Direction:	14 mph W
Sampler(s):	JN + BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9/0.0, 0 LEL		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 2853

Flow Controller ID: 0908

Pressure Reported by Laboratory: -29.4

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	15.3%	0	0	0	17.7%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.008	-0.007

Sampling Information:

	Time	Pressure (inHg)
Start	0937	-29.82
Check #1	0940	-24.75
Check #2	0943	-19.70
Check #3	0946	-14.16
Check #4	0949	-8.96
Stop	0952	-5.21

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-207 Stop & Shop

Client:	Shopping Center	Date:	12/4/2025
Project:	Belle Harbor	Weather:	Cloudy
Project #:	195601412	Temperature/Pressure:	37F, 30.02" Hg
Location:	Queens, NY	Wind Speed/Direction:	15mph W
Sampler(s):	JN + BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9% O2, 0LEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7 L

Canister ID: 3455

Flow Controller ID: 03225

Pressure Reported by Laboratory: -29.5

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	11.1%	0	0	0	13.9%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.005	-0.003

Sampling Information:

	Time	Pressure (inHg)
Start	1106	-29.25
Check #1	1109	-23.78
Check #2	1112	-19.90
Check #3	1115	-13.22
Check #4	1118	-7.95
Stop	1121	-3.84

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-208 Stop & Shop

Client:	Shopping Center	Date:	12/4/25
Project:	Belle Harbor	Weather:	Cloudy
Project #:	195601412	Temperature/Pressure:	37F, 30.02"Hg
Location:	Queens, NY	Wind Speed/Direction:	15mph W
Sampler(s):		Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.9 O2, OLEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 2208

Flow Controller ID: 01522

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)
0	0	18.2%	0	0	0	18.7%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.004	-0.001

Sampling Information:

	Time	Pressure (inHg)
Start	1136	-29.41
Check #1	1139	-21.77
Check #2	1142	-14.86
Check #3	1145	-7.02
Check #4	1148	-1.00
Stop	~~HST~~ 1148	-1.00

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Sub-Slab Soil Vapor Sample Collection Log

Sample ID: SVP-209 Stop & Shop

Client:	Shopping Center	Date:	12/4/2025
Project:	Belle Harbor	Weather:	Cloudy
Project #:	195601412	Temperature/Pressure:	37F, 30.02"Hg
Location:	Queens, NY	Wind Speed/Direction:	15 mph W
Sampler(s):	JN + BG	Equipment:	Infiltec, PID, MGD-2002
Background PID Ambient Air Reading:	20.91 O2, OLEL, 0 ppm		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 410

Flow Controller ID: 0394

Pressure Reported by Laboratory: -29.4

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	18.6%	0	0	0	12.9%	0

Differential Pressure Testing:

Test 1 (before sample collection)	Test 2 (after sample collection)
-0.004	-0.001

Sampling Information:

	Time	Pressure (inHg)
Start	1036	-29.84
Check #1	1039	-23.73
Check #2	1042	-19.18
Check #3	~~1045~~ 1047	-11.12
Check #4	1048	-9.89
Stop	1051	-4.88

Stantec

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

Sub-Slab Soil Vapor Sample Collection Log

Sample ID: stack

Client:	stantec	Date:	12/3/25
Project:	Belle Harbor	Weather:	48F, sunny
Project #:	195601912	Temperature/Pressure:	40°F, 30.05"Hg
Location:	Rockaway Park, NY	Wind Speed/Direction:	12 mph NNW
Sampler(s):	JN + BG	Equipment:	PID
Background PID Ambient Air Reading:	0.0		

SUMMA Canister Information:

Size: 2.7L

Canister ID: 2868

Flow Controller ID: 03149

Pressure Reported by Laboratory: -29.5

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	1453	-28.55
Check #1	1457	-21.64
Check #2	1501	-15.43
Check #3	1505	-8.40
Check #4	1508	-4.02
Stop	1509	-3.14

ATTACHMENT 3

Checklist
December 2025 OM&M

Monitoring and Maintenance Checklist

NYSDEC Site # C241048
Belle Harbor Shopping Center
112-15 Beach Channel Drive
Far Rockaway, NY

Date of Inspection: 12/4/25
Inspector: J. Nair

Sub-Slab Vapor Mitigation System Operation

Was the System on upon arrival? **Yes/No**
If no, explain why the system was not operational and the steps taken to restart the System:

Was the System altered from what is shown in "as built" drawings? **Yes/No**
If yes, discuss changes and possible impacts.

Current Features in the building: Same or Different than last Inspection? Describe

Same

Dry Cleaner SVE System

SSDS installed in Sofia's Nail Salon (former Bell Boy Dry Cleaner) in 2012
Differential Pressure units = inches of water column ("in-H2O")
Min recommended sub-slab pressure reading indicating vacuum is present = -0.004 in-H2O

Diagnostic Measurements

Is the *current mitigation system (s) vacuum at all vapor measuring* points within recommended values based upon micromanometer readings? **Yes/No**

SSDS in Sofia's Nail Salon showing vacuum in Citibank & Ciros Pizza to North, and Lig Warehouse to the south. slight vac in stop & shop

Monitoring and Maintenance Checklist

NYSDEC Site # C241048
Belle Harbor Shopping Center
112-15 Beach Channel Drive
Far Rockaway, NY

Date of Inspection: 12/4/25
Inspector: J. Nair

Vacuum Measuring Point		Min Recommended	Current Value
		(in-H2O)	(in-H2O)
Citibank	SVP-6	-0.004	-0.001
Ciros Pizza	SVP-11	-0.004	-0.159
Sofias Nail Salon	SV-101	-0.004	-0.001
	SV-102	-0.004	-0.380
	SV-103	-0.004	-0.105
	SV-104	-0.004	-0.007
Liquor Warehouse	SVP-9	-0.004	-0.017
	SVP-10	-0.004	-0.004
Stop & Shop Apron/Sidewalk	SVP-203	-0.004	NM
	SVP-204	-0.004	NM
Stop & Shop Grocery Store	SVP-103	-0.004	-0.005
	SVP-201	-0.004	-0.012
	SVP-202	-0.004	-0.012
	SVP-205	-0.004	-0.003
	SVP-206	-0.004	-0.008
	SVP-207	-0.004	-0.005
	SVP-208	-0.004	-0.005
	SVP-209	-0.004	-0.004

OP = value less than minimum recordable value by Infiltec DM-1 micromanometer

Repairs Needed: *Describe*

Repairs Made: Describe

System Check Is Nominal? Yes/No

ATTACHMENT 4

Laboratory Report: December 2025 Sampling Event



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2577500

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

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Project Name: BELLE HARBOR
Project Number: 195601412

Lab Number: L2577500
Report Date: 12/22/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2577500-01	AMB-1	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 16:59	12/05/25
L2577500-02	IA-7	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 16:16	12/05/25
L2577500-03	IA-11	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 18:23	12/05/25
L2577500-04	IAQ-1	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 18:26	12/05/25
L2577500-05	IA-9	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 18:31	12/05/25
L2577500-06	IA-203	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:34	12/05/25
L2577500-07	IA-202	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:36	12/05/25
L2577500-08	IA-201	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:38	12/05/25
L2577500-09	IA-206	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:40	12/05/25
L2577500-10	IA-205	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:48	12/05/25
L2577500-11	IA-209	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 17:57	12/05/25
L2577500-12	IA-207	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 18:04	12/05/25
L2577500-13	IA-208	AIR	FAR ROCKAWAY, QUEENS, NY	12/03/25 18:10	12/05/25
L2577500-14	STACK	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 15:09	12/05/25
L2577500-15	SVP-10	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 14:11	12/05/25
L2577500-16	SVP-11	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 14:59	12/05/25
L2577500-17	SVP-103	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 09:02	12/05/25
L2577500-18	SVP-206	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 09:52	12/05/25
L2577500-19	SVP-205	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 10:21	12/05/25
L2577500-20	SVP-209	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 10:51	12/05/25
L2577500-21	SVP-207	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 11:21	12/05/25
L2577500-22	SVP-208	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 11:48	12/05/25
L2577500-23	SVP-202	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 12:58	12/05/25
L2577500-24	SVP-9	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY	12/03/25 13:38	12/05/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2577500-25	UNUSED CAN #3165	SOIL_VAPOR	FAR ROCKAWAY, QUEENS, NY		12/05/25
L2577500-26	UNUSED CAN #3293	AIR	FAR ROCKAWAY, QUEENS, NY		12/05/25
L2577500-27	UNUSED CAN #5842	AIR	FAR ROCKAWAY, QUEENS, NY		12/05/25

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.

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 2, 2025. The canister certification data is provided as an addendum.

The WG2155905-3 LCS recovery associated with is below the acceptance limit for tert-butyl alcohol (68%). All samples associated with this LCS that have reportable amounts of these analytes will be reported with low bias.

L2577500-03D: The sample was 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.

L2577500-04D: The sample was 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.

L2577500-04D2: The sample was 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.

L2577500-05D: The sample was 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.

Case Narrative (continued)

L2577500-14D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2577500-17D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2577500-18D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2577500-21D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2577500-22D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2155823-3 LCS recovery associated with L2577500-01, -02, -03, -03D, -04, -04D, -05D, -05, -06, -07, -08, -09, -10, -11, -12, and -13 is below the acceptance limit for tert-butyl alcohol (66%). All samples associated with this LCS that have reportable amounts of these analytes will be reported with low bias.

The WG2155823-3 LCS recovery associated with L2577500-01, -02, -03, -03D, -04, -04D, -05D, -05, -06, -07, -08, -09, -10, -11, -12, and -13 is above the upper 130% acceptance limit for trans-1,3-dichloropropene (142%). All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2155905-3 LCS recovery associated with L2577500-14D, -15, -16, -17D, -18D, -19, -20, -21D, -22D, -23, and -24 is below the acceptance limit for tert-butyl alcohol (68%). All samples associated with this LCS that have reportable amounts of these analytes will be reported with low bias.

The WG2156391-3 LCS recovery associated with L2577500-04D2 is outside the acceptance limit for trans-

Case Narrative (continued)

1,3-dichloropropene (136%). All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature: Report Date: 12/22/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

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

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Footnotes

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

Terms

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

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

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

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 : L2577500

Account Name : Stantec
Project Number : 195601412
Project Name : BELLE HARBOR

Received : 05-DEC-2025
Reviewer : Christopher J Anderson

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
Dec 22 2025, 06:20 pm

Login Number: L2577500
Account: STANTEC-NH-AEL StantecProject: 195601412
Received: 05DEC25 Due Date: 22DEC25

Sample #	Client ID	Mat	PR	Collected
L2577500-01	AMB-1	10	S0	03DEC25 16:59
TO15 SIM for 7 NYS DMCs ASP-B Package Due Date: 12/22/25				
ASP-B,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-02	IA-7	10	S0	03DEC25 16:16
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-03	IA-11	10	S0	03DEC25 18:23
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-04	IAQ-1	10	S0	03DEC25 18:26
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-05	IA-9	10	S0	03DEC25 18:31
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-06	IA-203	10	S0	03DEC25 17:34
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-07	IA-202	10	S0	03DEC25 17:36
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 22 2025, 06:20 pm

Login Number: L2577500
Account: STANTEC-NH-AEL StantecProject: 195601412
Received: 05DEC25 Due Date: 22DEC25

Sample #	Client ID	Mat	PR	Collected
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-08	IA-201	10	S0	03DEC25 17:38
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-09	IA-206	10	S0	03DEC25 17:40
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-10	IA-205	10	S0	03DEC25 17:48
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-11	IA-209	10	S0	03DEC25 17:57
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-12	IA-207	10	S0	03DEC25 18:04
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2577500-13	IA-208	10	S0	03DEC25 18:10
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 22 2025, 06:20 pm

Login Number: L2577500
Account: STANTEC-NH-AEL StantecProject: 195601412
Received: 05DEC25 Due Date: 22DEC25

Sample #	Client ID	Mat	PR	Collected
L2577500-14	STACK	11	S0	03DEC25 15:09
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-15	SVP-10	11	S0	03DEC25 14:11
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-16	SVP-11	11	S0	03DEC25 14:59
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-17	SVP-103	11	S0	03DEC25 09:02
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-18	SVP-206	11	S0	03DEC25 09:52
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-19	SVP-205	11	S0	03DEC25 10:21
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-20	SVP-209	11	S0	03DEC25 10:51
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 22 2025, 06:20 pm

Login Number: L2577500
Account: STANTEC-NH-AEL StantecProject: 195601412
Received: 05DEC25 Due Date: 22DEC25

Sample #	Client ID	Mat	PR	Collected
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-21	SVP-207	11	S0	03DEC25 11:21
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-22	SVP-208	11	S0	03DEC25 11:48
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-23	SVP-202	11	S0	03DEC25 12:58
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-24	SVP-9	11	S0	03DEC25 13:38
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,FLOW-RENT,TO15-LL				
L2577500-25	UNUSED CAN #3165	11	S0	
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,CLEAN-FEE,FLOW-RENT				
L2577500-26	UNUSED CAN #3293	10	S0	
TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25				
CAN-RENT,CLEAN-FEE,FLOW-RENT				

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Dec 22 2025, 06:20 pm

Login Number: L2577500
Account: STANTEC-NH-AEL StantecProject: 195601412
Received: 05DEC25 Due Date: 22DEC25

Sample #	Client ID	Mat	PR	Collected
L2577500-27	UNUSED CAN #5842		10	S0

TO15 SIM for 7 NYS DMCs Package Due Date: 12/22/25

CAN-RENT,CLEAN-FEE,FLOW-RENT

Logged By: Christopher J Anderson

AIR ANALYSIS

PAGE 1 OF 3

Pace ANALYTICAL SERVICES — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/06/25

Pace® Job #: L2577500

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 Pace

Project Information

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

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #: 195601412

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	BCP	

Other Project Specific Requirements/Comments: ASP Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Naphthalenes HCs	Fixed Gases	☐ Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
77500-01	AMB-1	12/3/25	0859	1659	-30.59	-5.71	AA	JN	6L	1794	03175	X					
-02	IA-7	12/3/25	0916	1616	-30.37	-12.11	AA	JN	6L	2773	01289	X					
-03	IA-11	12/3/25	1023	1823	-30.13	-8.67	AA	JN	6L	5467	02709	X					
-04	IAQ-1	12/3/25	1026	1826	-30.16	-4.10	AA	JN	6L	2056	02920	X					
-05	IA-9	12/3/25	1031	1831	-30.15	-7.21	AA	JN	6L	4525	03293	X					
-06	IA-203	12/3/25	0924	1734	-29.76	-6.01	AA	BG	6L	1318	02732	X					
-07	IA-202	12/3/25	0929	1736	-30.09	-6.41	AA	BG	6L	789	02723	X					
-08	IA-201	12/3/25	0934	1738	-29.41	-8.86	AA	BG	6L	3154	02681	X					
-09	IA-206	12/3/25	0941	1740	-29.01	-7.08	AA	BG	6L	3385	03242	X					
-10	IA-205	12/3/25	0948	1748	-30.08	-2.87	AA	BG	6L	5475	03250	X					

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Jennifer Main (Stantec)	12/5/25 0905	[illegible] (Pace)	12/5/25 0905
[illegible] (Pace) 12/6/25 0125	12/5/25 1235	NJSC 55	12/5/25 1235
		[illegible] 12/5/25 2350	12/5/25 1602
			Isabel Quintas Bosz 12/06/25 0125

Form No. AIR-03 Rev. 07 Sep-15

AIR ANALYSIS

PAGE 2 OF 3

Pace ANALYTICAL SERVICES — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/06/25

Pace® Job #: L2577500

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 Pace

Project Information

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

Turn-Around Time

☒ Standard ☐ RUSH (pre-confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #: 195601412

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	BCP	

Other Project Specific Requirements/Comments: ASP Cat B deliverables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Solvent Non-petroleum, VOC)	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
-11	IA-209	12/3/25	0956	1757	-29.94	-6.59	AA	BG	6L	2097	01654	X						
-12	IA-207	12/3/25	1004	1804	-30.20	-6.26	AA	BG	6L	5188	02677	X						
-13	IA-208	12/3/25	1010	1810	-30.13	-7.27	AA	BG	6L	1771	02205	X						
-14	Stack	12/3/25	1453	1509	-28.55	-3.14	other	BG	2.7L	2868	03149	X						other - from fan at roof level
-15	SVP-10	12/4/25	1356	1411	-29.64	-3.01	SV	JN	2.7L	400	0494	X						
-16	SVP-11	12/4/25	1444	1459	-30.01	-3.42	SV	JN	2.7L	4398	0242	X						
-17	SV-103	12/4/25	0847	0902	-29.72	-3.84	SV	JN	2.7L	500	03194	X						
-18	SVP-206	12/4/25	0937	0952	-29.82	-5.21	SV	JN	2.7L	2853	0908	X						
-19	SVP-205	12/4/25	1006	1021	-29.86	-4.12	SV	JN	2.7L	2480	01305	X						
-20	SVP-209	12/4/25	1036	1051	-29.84	-4.88	SV	JN	2.7L	410	0394	X						

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

Container Type

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

Relinquished By	Date/Time	Received By:	Date/Time:
Jennifer Nairn (Stantec)	12/5/25 0905	BROO (Pace)	12/5/25 09:05
BROO (Pace) 12/5/25	12/5/25 1235	NJ SC 55	12/5/25 1235
		Chain of Pace 12/5/25 2100	12/6/25 16:22
			Isabel Quintero 12/06/25

Chain of Custody (rev. 15-Sep-15)

Chain of Pace 12/6/25 0125

AIR ANALYSIS

PAGE 3 OF 3

Pace ANALYTICAL SERVICES

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/06/25

Pace® Job #: L2577500

Client Information

Client: Stantec
Address: 5 Dartmouth Dr. Suite 200
Auburn, NH 03032
Phone: 603-669-8672
Fax:
Email: Donald.Moore@Stantec.com
☐ These samples have been previously analyzed by Pace

Project Information

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

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #: 195601412

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	BCP	

Other Project Specific Requirements/Comments: ASP Cat B delivecables

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

PACE Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
-21	SVP-207	12/4/25	1106	1121	-29.25	-3.84	SV	JN	2.7L	3455	03225	X					
-22	SVP-208	12/4/25	1136	1148	-29.41	-1.00	SV	JN	2.7L	2208	01522	X					
-23	SVP-202	12/4/25	1243	1258	-29.72	-4.40	SV	JN	2.7L	542	0153	X					
-24	SVP-9	12/4/25	1323	1338	-29.61	-4.74	SV	JN	2.7L	124	03229	X					
	S																

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
Jennifer Nair (Stantec)	12/5/25 0905	BRW (Pace)	12/5/25 09:05
BRW (Pace) 12/5/25	12/5/25 1235	NJSC SS	12/5/25 1235
			12/5/25 16:27

12/06/25

Supporting Documentation

Project Name: BELLE HARBOR

Project Number: 195601412

Lab Number: L2577500

Report Date: 12/22/25

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
L2577500-01	AMB-1	03175	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.2	2
L2577500-01	AMB-1	1794	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-4.0	-	-	-	-
L2577500-02	IA-7	01289	Flow 5	12/02/25	545536		-	-	-	Pass	9.9	8.8	12
L2577500-02	IA-7	2773	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-12.1	-	-	-	-
L2577500-03	IA-11	02709	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.7	7
L2577500-03	IA-11	5467	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.5	-6.7	-	-	-	-
L2577500-04	IAQ-1	02920	Flow 4	12/02/25	545536		-	-	-	Pass	9.9	11.8	18
L2577500-04	IAQ-1	2055	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.5	-4.3	-	-	-	-
L2577500-05	IA-9	03253	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.3	3
L2577500-05	IA-9	4525	6.0L Can	12/02/25	545536	L2575540-03	Pass	-29.5	-7.1	-	-	-	-
L2577500-06	IA-203	02732	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.5	5
L2577500-06	IA-203	1818	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-5.6	-	-	-	-
L2577500-07	IA-202	02723	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.3	3
L2577500-07	IA-202	789	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.5	-6.1	-	-	-	-
L2577500-08	IA-201	02681	Flow 4	12/02/25	545536		-	-	-	Pass	9.9	9.9	0

Project Name: BELLE HARBOR

Project Number: 195601412

Lab Number: L2577500

Report Date: 12/22/25

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
L2577500-08	IA-201	3154	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-8.6	-	-	-	-
L2577500-09	IA-206	03242	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.0	0
L2577500-09	IA-206	3385	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.5	-6.9	-	-	-	-
L2577500-10	IA-205	03258	Flow 4	12/02/25	545536		-	-	-	Pass	9.9	8.6	14
L2577500-10	IA-205	5475	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-2.8	-	-	-	-
L2577500-11	IA-209	01654	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.3	3
L2577500-11	IA-209	2097	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.4	-6.6	-	-	-	-
L2577500-12	IA-207	02677	Flow 4	12/02/25	545536		-	-	-	Pass	10.0	10.5	5
L2577500-12	IA-207	5188	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-6.1	-	-	-	-
L2577500-13	IA-208	02205	Flow 5	12/02/25	545536		-	-	-	Pass	10.0	10.1	1
L2577500-13	IA-208	1799	6.0L Can	12/02/25	545536	L2575540-01	Pass	-29.5	-6.6	-	-	-	-
L2577500-14	STACK	03149	Flow 1	12/02/25	545536		-	-	-	Pass	144	155	7
L2577500-14	STACK	2868	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-1.6	-	-	-	-
L2577500-15	SVP-10	0494	Flow 1	12/02/25	545536		-	-	-	Pass	144	157	9
L2577500-15	SVP-10	400	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.4	-2.3	-	-	-	-

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
L2577500-16	SVP-11	0242	Flow 1	12/02/25	545536		-	-	-	Pass	145	157	8
L2577500-16	SVP-11	4398	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-2.2	-	-	-	-
L2577500-17	SVP-103	03194	Flow 1	12/02/25	545536		-	-	-	Pass	144	153	6
L2577500-17	SVP-103	500	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-3.4	-	-	-	-
L2577500-18	SVP-206	0908	Flow 1	12/02/25	545536		-	-	-	Pass	145	158	9
L2577500-18	SVP-206	2853	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.4	-4.6	-	-	-	-
L2577500-19	SVP-205	01305	Flow 1	12/02/25	545536		-	-	-	Pass	144	159	10
L2577500-19	SVP-205	2480	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-3.5	-	-	-	-
L2577500-20	SVP-209	0394	Flow 1	12/02/25	545536		-	-	-	Pass	144	158	9
L2577500-20	SVP-209	410	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.4	-4.2	-	-	-	-
L2577500-21	SVP-207	03225	Flow 1	12/02/25	545536		-	-	-	Pass	144	157	9
L2577500-21	SVP-207	3455	2.7L Can	12/02/25	545536	L2567104-05	Pass	-29.5	-3.3	-	-	-	-
L2577500-22	SVP-208	01522	Flow 1	12/02/25	545536		-	-	-	Pass	144	214	39
L2577500-22	SVP-208	2208	2.7L Can	12/02/25	545536	L2567104-05	Pass	-29.2	0.0	-	-	-	-
L2577500-23	SVP-202	0153	Flow 1	12/02/25	545536		-	-	-	Pass	144	158	9

Project Name: BELLE HARBOR

Project Number: 195601412

Lab Number: L2577500

Report Date: 12/22/25

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
L2577500-23	SVP-202	542	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-3.2	-	-	-	-
L2577500-24	SVP-9	03229	Flow 1	12/02/25	545536		-	-	-	Pass	145	160	10
L2577500-24	SVP-9	124	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-3.3	-	-	-	-
L2577500-25	UNUSED CAN #3165	02998	Flow 1	12/02/25	545536		-	-	-	Pass	144	156	8
L2577500-25	UNUSED CAN #3165	3165	2.7L Can	12/02/25	545536	L2574907-09	Pass	-29.5	-29.2	-	-	-	-
L2577500-26	UNUSED CAN #3293	02331	Flow 4	12/02/25	545536		-	-	-	Pass	10.1	10.5	4
L2577500-26	UNUSED CAN #3293	3293	6.0L Can	12/02/25	545536	L2575540-02	Pass	-29.5	-29.5	-	-	-	-
L2577500-27	UNUSED CAN #5842	0694	Flow 4	12/02/25	545536		-	-	-	Pass	10.1	10.5	4
L2577500-27	UNUSED CAN #5842	5842	6.0L TO Can	12/02/25	545536	L2575540-02	Pass	-29.5	-29.2	-	-	-	-

Air Canister Certification Results

Lab ID: L2567104-05
Client ID: CAN 3742 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 10/25/25 03:12
Analyst: KMH

Date Collected: 10/22/25 19:00
Date Received: 10/23/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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					

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	68		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	74		60-140

Air Canister Certification Results

Lab ID: L2567104-05
Client ID: CAN 3742 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 10/26/25 21:10
Analyst: KMH

Date Collected: 10/22/25 19:00
Date Received: 10/23/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2567104-05 Date Collected: 10/22/25 19:00
Client ID: CAN 3742 SHELF 37 Date Received: 10/23/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Air Canister Certification Results

Lab ID: L2574907-09
Client ID: CAN 4389 SHELF 34
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/25 06:56
Analyst: ONG

Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2574907-09
Client ID: CAN 4389 SHELF 34
Sample Location:

Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2574907-09
Client ID: CAN 4389 SHELF 34
Sample Location:

Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2574907-09 Date Collected: 11/24/25 12:00
Client ID: CAN 4389 SHELF 34 Date Received: 11/24/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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					

Air Canister Certification Results

Lab ID: L2574907-09 Date Collected: 11/24/25 12:00
Client ID: CAN 4389 SHELF 34 Date Received: 11/24/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2574907-09
Client ID: CAN 4389 SHELF 34
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/25 06:56
Analyst: ONG

Date Collected: 11/24/25 12:00
Date Received: 11/24/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2574907-09 Date Collected: 11/24/25 12:00
Client ID: CAN 4389 SHELF 34 Date Received: 11/24/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2574907-09 Date Collected: 11/24/25 12:00
Client ID: CAN 4389 SHELF 34 Date Received: 11/24/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	107		60-140
bromochloromethane	112		60-140
chlorobenzene-d5	103		60-140

Air Canister Certification Results

Lab ID: L2575540-01
Client ID: CAN 4356 SHELF 113
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/25 03:07
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-01 Date Collected: 11/25/25 14:00
Client ID: CAN 4356 SHELF 113 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-01 Date Collected: 11/25/25 14:00
Client ID: CAN 4356 SHELF 113 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-01 Date Collected: 11/25/25 14:00
Client ID: CAN 4356 SHELF 113 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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					

Air Canister Certification Results

Lab ID: L2575540-01 Date Collected: 11/25/25 14:00
Client ID: CAN 4356 SHELF 113 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2575540-01
Client ID: CAN 4356 SHELF 113
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/25 03:07
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-01
Client ID: CAN 4356 SHELF 113
Sample Location:

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-01 Date Collected: 11/25/25 14:00
Client ID: CAN 4356 SHELF 113 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	101		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	103		60-140

Air Canister Certification Results

Lab ID: L2575540-02
Client ID: CAN 5437 SHELF 115
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/25 03:46
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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					

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Air Canister Certification Results

Lab ID: L2575540-02
Client ID: CAN 5437 SHELF 115
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/25 03:46
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-02 Date Collected: 11/25/25 14:00
Client ID: CAN 5437 SHELF 115 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	99		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	100		60-140

Air Canister Certification Results

Lab ID: L2575540-03
Client ID: CAN 3053 SHELF 116
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/25 04:25
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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					

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	92		60-140

Air Canister Certification Results

Lab ID: L2575540-03
Client ID: CAN 3053 SHELF 116
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/25 04:25
Analyst: ONG

Date Collected: 11/25/25 14:00
Date Received: 11/25/25
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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

Air Canister Certification Results

Lab ID: L2575540-03 Date Collected: 11/25/25 14:00
Client ID: CAN 3053 SHELF 116 Date Received: 11/25/25
Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	99		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	99		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	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-201	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2577500-08	Analysis Date	: 12/18/25 22:04
Lab File ID	: R1752993	DUP File ID	: r1752994
Dup Sample ID	: WG2155823-5	DUP Analysis Date	: 12/18/25 22:42

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Dichlorodifluoromethane	0.551	0.564	2	25
Chloromethane	0.591	0.618	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	285	284	0	25
Vinyl bromide	ND	ND	NC	25
Acetone	13.9	14.1	1	25
Trichlorofluoromethane	ND	ND	NC	25
Isopropanol	8.16	8.58	5	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	1.04	1.04	0	25
Chloroform	ND	ND	NC	25
Tetrahydrofuran	ND	ND	NC	25
1,2-Dichloroethane	ND	ND	NC	25
n-Hexane	0.221	0.233	5	25

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Client Sample ID	: IA-201	Matrix (Level)	: AIR (LOW)
Lab Sample ID	: L2577500-08	Analysis Date	: 12/18/25 22:04
Lab File ID	: R1752993	DUP File ID	: r1752994
Dup Sample ID	: WG2155823-5	DUP Analysis Date	: 12/18/25 22:42

Parameter	Sample Concentration (ppbV)	Duplicate Concentration (ppbV)	RPD	RPD Limit
Benzene	0.258	0.281	9	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	0.543	0.601	10	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**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Client Sample ID	: IA-201	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2577500-08	**Analysis Date**	: 12/18/25 22:04
Lab File ID	: R1752993	**DUP File ID**	: r1752994
Dup Sample ID	: WG2155823-5	**DUP Analysis Date**	: 12/18/25 22:42

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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2155823-3	**Analysis Date** : 12/18/25 13:31	**File ID** : r1752982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R		True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	9.24	92					-	70-130	-
Chloromethane	10	8.56	86					-	70-130	-
Freon-114	10	9.54	95					-	70-130	-
Vinyl chloride	10	8.39	84					-	70-130	-
1,3-Butadiene	10	8.38	84					-	70-130	-
Bromomethane	10	9.41	94					-	70-130	-
Chloroethane	10	7.79	78					-	70-130	-
Ethanol	50	50.4	101					-	40-160	-
Vinyl bromide	10	8.09	81					-	70-130	-
Acetone	50	37.8	76					-	40-160	-
Trichlorofluoromethane	10	8.59	86					-	70-130	-
Isopropanol	25	18.2	73					-	40-160	-
1,1-Dichloroethene	10	8.42	84					-	70-130	-
Tertiary butyl Alcohol	10	6.56	66	Q				-	70-130	-
Methylene chloride	10	10.2	102					-	70-130	-
3-Chloropropene	10	7.86	79					-	70-130	-
Carbon disulfide	10	9.34	93					-	70-130	-
Freon-113	10	8.57	86					-	70-130	-
trans-1,2-Dichloroethene	10	7.80	78					-	70-130	-
1,1-Dichloroethane	10	7.97	80					-	70-130	-
Methyl tert butyl ether	10	8.46	85					-	70-130	-
2-Butanone	10	7.74	77					-	70-130	-
cis-1,2-Dichloroethene	10	8.15	82					-	70-130	-
Ethyl Acetate	10	7.73	77					-	70-130	-
Chloroform	10	10.1	101					-	70-130	-
Tetrahydrofuran	10	8.51	85					-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2155823-3	**Analysis Date** : 12/18/25 13:31	**File ID** : r1752982
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	8.48	85				-	70-130	-
n-Hexane	10	10.0	100				-	70-130	-
1,1,1-Trichloroethane	10	10.4	104				-	70-130	-
Benzene	10	11.5	115				-	70-130	-
Carbon tetrachloride	10	12.2	122				-	70-130	-
Cyclohexane	10	10.1	101				-	70-130	-
1,2-Dichloropropane	10	9.62	96				-	70-130	-
Bromodichloromethane	10	12.2	122				-	70-130	-
1,4-Dioxane	10	9.64	96				-	70-130	-
Trichloroethene	10	11.0	110				-	70-130	-
2,2,4-Trimethylpentane	10	10.0	100				-	70-130	-
Heptane	10	10.5	105				-	70-130	-
cis-1,3-Dichloropropene	10	12.6	126				-	70-130	-
4-Methyl-2-pentanone	10	10.3	103				-	70-130	-
trans-1,3-Dichloropropene	10	14.2	142 Q				-	70-130	-
1,1,2-Trichloroethane	10	10.7	107				-	70-130	-
Toluene	10	10.3	103				-	70-130	-
2-Hexanone	10	10.1	101				-	70-130	-
Dibromochloromethane	10	11.6	116				-	70-130	-
1,2-Dibromoethane	10	11.9	119				-	70-130	-
Tetrachloroethene	10	10.8	108				-	70-130	-
Chlorobenzene	10	11.3	113				-	70-130	-
Ethylbenzene	10	10.4	104				-	70-130	-
p/m-Xylene	20	21.5	108				-	70-130	-
Bromoform	10	11.2	112				-	70-130	-
Styrene	10	10.8	108				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec			**Lab Number**	: L2577500
Project Name	: BELLE HARBOR			**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)				
LCS Sample ID	: WG2155823-3	**Analysis Date**	: 12/18/25 13:31	**File ID**	: r1752982
LCSD Sample ID	:	**Analysis Date**	:	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	12.4	124				-	70-130	-
o-Xylene	10	10.9	109				-	70-130	-
4-Ethyltoluene	10	10.5	105				-	70-130	-
1,3,5-Trimethylbenzene	10	11.2	112				-	70-130	-
1,2,4-Trimethylbenzene	10	11.4	114				-	70-130	-
Benzyl chloride	10	8.13	81				-	70-130	-
1,3-Dichlorobenzene	10	11.3	113				-	70-130	-
1,4-Dichlorobenzene	10	11.3	113				-	70-130	-
1,2-Dichlorobenzene	10	10.2	102				-	70-130	-
1,2,4-Trichlorobenzene	10	10.2	102				-	70-130	-
Naphthalene	10	8.37	84				-	70-130	-
Hexachlorobutadiene	10	10.7	107				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: SOIL_VAPOR (LOW)		
LCS Sample ID	: WG2155905-3	**Analysis Date** : 12/18/25 12:05	**File ID** : R237333
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**		**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Dichlorodifluoromethane	10	9.86	99					-	70-130	-
Chloromethane	10	10.4	104					-	70-130	-
Freon-114	10	10.7	107					-	70-130	-
Vinyl chloride	10	10.8	108					-	70-130	-
1,3-Butadiene	10	10.5	105					-	70-130	-
Bromomethane	10	10.7	107					-	70-130	-
Chloroethane	10	10.9	109					-	70-130	-
Ethanol	50	40.2	80					-	40-160	-
Vinyl bromide	10	9.58	96					-	70-130	-
Acetone	50	48.9	98					-	40-160	-
Trichlorofluoromethane	10	8.93	89					-	70-130	-
Isopropanol	25	20.9	84					-	40-160	-
1,1-Dichloroethene	10	10.7	107					-	70-130	-
Tertiary butyl Alcohol	10	6.84	68	Q				-	70-130	-
Methylene chloride	10	9.89	99					-	70-130	-
3-Chloropropene	10	9.84	98					-	70-130	-
Carbon disulfide	10	10.2	102					-	70-130	-
Freon-113	10	9.10	91					-	70-130	-
trans-1,2-Dichloroethene	10	10.2	102					-	70-130	-
1,1-Dichloroethane	10	10.2	102					-	70-130	-
Methyl tert butyl ether	10	9.56	96					-	70-130	-
2-Butanone	10	10.0	100					-	70-130	-
cis-1,2-Dichloroethene	10	10.0	100					-	70-130	-
Ethyl Acetate	10	11.3	113					-	70-130	-
Chloroform	10	9.75	98					-	70-130	-
Tetrahydrofuran	10	10.6	106					-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: SOIL_VAPOR (LOW)		
LCS Sample ID	: WG2155905-3	**Analysis Date** : 12/18/25 12:05	**File ID** : R237333
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	9.67	97				-	70-130	-
n-Hexane	10	11.3	113				-	70-130	-
1,1,1-Trichloroethane	10	8.98	90				-	70-130	-
Benzene	10	10.0	100				-	70-130	-
Carbon tetrachloride	10	8.72	87				-	70-130	-
Cyclohexane	10	10.8	108				-	70-130	-
1,2-Dichloropropane	10	10.8	108				-	70-130	-
Bromodichloromethane	10	10.2	102				-	70-130	-
1,4-Dioxane	10	10.2	102				-	70-130	-
Trichloroethene	10	8.46	85				-	70-130	-
2,2,4-Trimethylpentane	10	11.1	111				-	70-130	-
Heptane	10	10.6	106				-	70-130	-
cis-1,3-Dichloropropene	10	11.2	112				-	70-130	-
4-Methyl-2-pentanone	10	10.4	104				-	70-130	-
trans-1,3-Dichloropropene	10	12.4	124				-	70-130	-
1,1,2-Trichloroethane	10	9.65	96				-	70-130	-
Toluene	10	9.49	95				-	70-130	-
2-Hexanone	10	9.76	98				-	70-130	-
Dibromochloromethane	10	9.32	93				-	70-130	-
1,2-Dibromoethane	10	9.71	97				-	70-130	-
Tetrachloroethene	10	9.25	92				-	70-130	-
Chlorobenzene	10	9.66	97				-	70-130	-
Ethylbenzene	10	9.35	94				-	70-130	-
p/m-Xylene	20	19.0	95				-	70-130	-
Bromoform	10	8.45	84				-	70-130	-
Styrene	10	9.26	93				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: SOIL_VAPOR (LOW)		
LCS Sample ID	: WG2155905-3	**Analysis Date** : 12/18/25 12:05	**File ID** : R237333
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	10.2	102				-	70-130	-
o-Xylene	10	9.47	95				-	70-130	-
4-Ethyltoluene	10	9.62	96				-	70-130	-
1,3,5-Trimethylbenzene	10	9.48	95				-	70-130	-
1,2,4-Trimethylbenzene	10	9.93	99				-	70-130	-
Benzyl chloride	10	8.41	84				-	70-130	-
1,3-Dichlorobenzene	10	8.68	87				-	70-130	-
1,4-Dichlorobenzene	10	8.55	86				-	70-130	-
1,2-Dichlorobenzene	10	8.61	86				-	70-130	-
1,2,4-Trichlorobenzene	10	11.8	118				-	70-130	-
Naphthalene	10	9.60	96				-	70-130	-
Hexachlorobutadiene	10	11.5	115				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2156391-3	**Analysis Date** : 12/19/25 11:29	**File ID** : r1558358
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	10	10.1	101				-	70-130	-
Chloromethane	10	9.22	92				-	70-130	-
Freon-114	10	10.3	103				-	70-130	-
Vinyl chloride	10	8.63	86				-	70-130	-
1,3-Butadiene	10	9.42	94				-	70-130	-
Bromomethane	10	9.17	92				-	70-130	-
Chloroethane	10	8.36	84				-	70-130	-
Ethanol	50	38.8	78				-	40-160	-
Vinyl bromide	10	8.25	82				-	70-130	-
Acetone	50	43.6	87				-	40-160	-
Trichlorofluoromethane	10	9.70	97				-	70-130	-
Isopropanol	25	18.8	75				-	40-160	-
1,1-Dichloroethene	10	9.24	92				-	70-130	-
Tertiary butyl Alcohol	10	7.06	71				-	70-130	-
Methylene chloride	10	10.6	106				-	70-130	-
3-Chloropropene	10	9.10	91				-	70-130	-
Carbon disulfide	10	9.73	97				-	70-130	-
Freon-113	10	9.70	97				-	70-130	-
trans-1,2-Dichloroethene	10	8.69	87				-	70-130	-
1,1-Dichloroethane	10	9.08	91				-	70-130	-
Methyl tert butyl ether	10	9.42	94				-	70-130	-
2-Butanone	10	9.07	91				-	70-130	-
cis-1,2-Dichloroethene	10	9.03	90				-	70-130	-
Ethyl Acetate	10	8.91	89				-	70-130	-
Chloroform	10	10.2	102				-	70-130	-
Tetrahydrofuran	10	10.3	103				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2156391-3	**Analysis Date** : 12/19/25 11:29	**File ID** : r1558358
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
1,2-Dichloroethane	10	9.41	94				-	70-130	-
n-Hexane	10	9.50	95				-	70-130	-
1,1,1-Trichloroethane	10	9.72	97				-	70-130	-
Benzene	10	11.1	111				-	70-130	-
Carbon tetrachloride	10	11.8	118				-	70-130	-
Cyclohexane	10	9.71	97				-	70-130	-
1,2-Dichloropropane	10	10.1	101				-	70-130	-
Bromodichloromethane	10	11.4	114				-	70-130	-
1,4-Dioxane	10	9.76	98				-	70-130	-
Trichloroethene	10	10.2	102				-	70-130	-
2,2,4-Trimethylpentane	10	10.1	101				-	70-130	-
Heptane	10	11.5	115				-	70-130	-
cis-1,3-Dichloropropene	10	12.3	123				-	70-130	-
4-Methyl-2-pentanone	10	11.4	114				-	70-130	-
trans-1,3-Dichloropropene	10	13.6	136 Q				-	70-130	-
1,1,2-Trichloroethane	10	10.7	107				-	70-130	-
Toluene	10	9.97	100				-	70-130	-
2-Hexanone	10	10.9	109				-	70-130	-
Dibromochloromethane	10	10.6	106				-	70-130	-
1,2-Dibromoethane	10	11.7	117				-	70-130	-
Tetrachloroethene	10	9.75	98				-	70-130	-
Chlorobenzene	10	10.8	108				-	70-130	-
Ethylbenzene	10	10.1	101				-	70-130	-
p/m-Xylene	20	21.2	106				-	70-130	-
Bromoform	10	11.4	114				-	70-130	-
Styrene	10	11.6	116				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2156391-3	**Analysis Date** : 12/19/25 11:29	**File ID** : r1558358
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (ppbV)**	**Found (ppbV)**	**%R**	**True (ppbV)**	**Found (ppbV)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
1,1,2,2-Tetrachloroethane	10	11.6	116				-	70-130	-
o-Xylene	10	10.8	108				-	70-130	-
4-Ethyltoluene	10	10.4	104				-	70-130	-
1,3,5-Trimethylbenzene	10	11.6	116				-	70-130	-
1,2,4-Trimethylbenzene	10	11.0	110				-	70-130	-
Benzyl chloride	10	7.83	78				-	70-130	-
1,3-Dichlorobenzene	10	11.5	115				-	70-130	-
1,4-Dichlorobenzene	10	11.2	112				-	70-130	-
1,2-Dichlorobenzene	10	9.88	99				-	70-130	-
1,2,4-Trichlorobenzene	10	11.4	114				-	70-130	-
Naphthalene	10	7.77	78				-	70-130	-
Hexachlorobutadiene	10	10.7	107				-	70-130	-

Method Blank Summary
Form 4
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab Sample ID	: WG2155823-4	**Lab File ID**	: r1752984
Instrument ID	: AIRLAB17		
Matrix	: AIR	**Analysis Date**	: 12/18/25 16:26

Client Sample No.	Lab Sample ID	Analysis Date
WG2155823-3LCS	WG2155823-3	12/18/25 13:31
AMB-1	L2577500-01	12/18/25 17:41
IA-7	L2577500-02	12/18/25 18:18
IA-11	L2577500-03	12/18/25 18:56
IAQ-1	L2577500-04	12/18/25 19:34
IA-9	L2577500-05	12/18/25 20:11
IA-203	L2577500-06	12/18/25 20:49
IA-202	L2577500-07	12/18/25 21:26
IA-201	L2577500-08	12/18/25 22:04
IA-201DUP	WG2155823-5	12/18/25 22:42
IA-206	L2577500-09	12/18/25 23:20
IA-205	L2577500-10	12/18/25 23:57
IA-209	L2577500-11	12/19/25 00:35
IA-207	L2577500-12	12/19/25 01:13
IA-208	L2577500-13	12/19/25 01:50
IA-11	L2577500-03D	12/19/25 09:30
IAQ-1	L2577500-04D	12/19/25 10:05
IA-9	L2577500-05D	12/19/25 10:40

Method Blank Summary
Form 4
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab Sample ID	: WG2155905-4	**Lab File ID**	: R237335
Instrument ID	: AIRLAB23		
Matrix	: SOIL_VAPOR	**Analysis Date**	: 12/18/25 16:52

Client Sample No.	Lab Sample ID	Analysis Date
WG2155905-3LCS	WG2155905-3	12/18/25 12:05
VP_03DUP	WG2155905-5D	12/18/25 22:02
STACK	L2577500-14D	12/18/25 22:38
SVP-10	L2577500-15	12/18/25 23:17
SVP-11	L2577500-16	12/18/25 23:56
SVP-103	L2577500-17D	12/19/25 00:32
SVP-206	L2577500-18D	12/19/25 01:08
SVP-205	L2577500-19	12/19/25 01:48
SVP-209	L2577500-20	12/19/25 02:28
SVP-207	L2577500-21D	12/19/25 03:04
SVP-202	L2577500-23	12/19/25 04:18
SVP-9	L2577500-24	12/19/25 04:57
SVP-208	L2577500-22D	12/19/25 07:45

Method Blank Summary
Form 4
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab Sample ID	: WG2156391-4	**Lab File ID**	: r1558360
Instrument ID	: AIRLAB15		
Matrix	: AIR	**Analysis Date**	: 12/19/25 17:13

Client Sample No.	Lab Sample ID	Analysis Date
WG2156391-3LCS	WG2156391-3	12/19/25 11:29
IAQ-1	L2577500-04D2	12/19/25 18:25
L19-MP-1DUP	WG2156391-5	12/20/25 08:41

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB15	**Analysis Date**	: 10/30/25 23:47
Tune Standard	: WG2136263-1	**Tune File ID**	: r1557446_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	19.1
75	30.0 - 66.0% of mass 95	42.5
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 (.7)1
174	50.0 - 120.0% of mass 95	60.1
175	4.0 - 9.0% of mass 174	4.4 (7.3)1
176	93.0 - 101% of mass 174	59.2 (98.6)1
177	5.0 - 9.0% of mass 176	3.8 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.2	R2030955-1	R1557450	10/31/25 02:09
STD0.5	R2030955-2	R1557451	10/31/25 02:46
STD1.0	R2030955-3	R1557452	10/31/25 03:25
STD5.0	R2030955-4	R1557453	10/31/25 04:03
STD010	R2030955-5	R1557454	10/31/25 04:43
STD020	R2030955-6	R1557455	10/31/25 05:20
STD050	R2030955-7	R1557456	10/31/25 05:58
STD100	R2030955-8	R1557457	10/31/25 06:38
ICV QUANT	R2030955-9	R1557462	10/31/25 20:26

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB15	**Analysis Date**	: 12/19/25 10:11
Tune Standard	: WG2156391-1	**Tune File ID**	: r1558356_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	22.5
75	30.0 - 66.0% of mass 95	48.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (.5)1
174	50.0 - 120.0% of mass 95	55.4
175	4.0 - 9.0% of mass 174	3.7 (6.7)1
176	93.0 - 101% of mass 174	53.3 (96.3)1
177	5.0 - 9.0% of mass 176	3.4 (6.3)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
WG2156391-2CCAL	WG2156391-2	R1558357	12/19/25 10:50
WG2156391-3LCS	WG2156391-3	R1558358	12/19/25 11:29
WG2156391-4BLANK	WG2156391-4	R1558360	12/19/25 17:13
IAQ-1	L2577500-04D2	R1558362	12/19/25 18:25
WG2156391-5DUP	WG2156391-5	R1558383	12/20/25 08:41

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 11/05/25 23:19
Tune Standard	: WG2138291-1	**Tune File ID**	: r1752219_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14
75	30.0 - 66.0% of mass 95	33.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (.7)1
174	50.0 - 120.0% of mass 95	59.4
175	4.0 - 9.0% of mass 174	4.3 (7.2)1
176	93.0 - 101% of mass 174	59 (99.4)1
177	5.0 - 9.0% of mass 176	3.9 (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	R2032939-1	R1752223	11/06/25 01:43
STD0.5	R2032939-2	R1752224	11/06/25 02:20
STD1.0	R2032939-3	R1752225	11/06/25 03:00
STD5.0	R2032939-4	R1752226	11/06/25 03:39
STD010	R2032939-5	R1752227	11/06/25 04:19
STD020	R2032939-6	R1752228	11/06/25 04:56
STD050	R2032939-7	R1752229	11/06/25 05:34
STD100	R2032939-8	R1752230	11/06/25 06:13
ICV QUANT	R2032939-9	R1752233	11/06/25 10:04

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 12/18/25 11:33
Tune Standard	: WG2155823-1	**Tune File ID**	: r1752979_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	17.3
75	30.0 - 66.0% of mass 95	40.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	64.7
175	4.0 - 9.0% of mass 174	4.5 (6.9)1
176	93.0 - 101% of mass 174	63.2 (97.6)1
177	5.0 - 9.0% of mass 176	4.1 (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
WG2155823-2CCAL	WG2155823-2	R1752981	12/18/25 12:51
WG2155823-3LCS	WG2155823-3	R1752982	12/18/25 13:31
WG2155823-4BLANK	WG2155823-4	R1752984	12/18/25 16:26
AMB-1	L2577500-01	R1752986	12/18/25 17:41
IA-7	L2577500-02	R1752987	12/18/25 18:18
IA-11	L2577500-03	R1752988	12/18/25 18:56
IAQ-1	L2577500-04	R1752989	12/18/25 19:34
IA-9	L2577500-05	R1752990	12/18/25 20:11
IA-203	L2577500-06	R1752991	12/18/25 20:49
IA-202	L2577500-07	R1752992	12/18/25 21:26
IA-201	L2577500-08	R1752993	12/18/25 22:04
WG2155823-5DUP	WG2155823-5	R1752994	12/18/25 22:42
IA-206	L2577500-09	R1752995	12/18/25 23:20
IA-205	L2577500-10	R1752996	12/18/25 23:57
IA-209	L2577500-11	R1752997	12/19/25 00:35
IA-207	L2577500-12	R1752998	12/19/25 01:13
IA-208	L2577500-13	R1752999	12/19/25 01:50
IA-11	L2577500-03D	R1753007	12/19/25 09:30
IAQ-1	L2577500-04D	R1753008	12/19/25 10:05
IA-9	L2577500-05D	R1753009	12/19/25 10:40

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB23	**Analysis Date**	: 11/21/25 20:09
Tune Standard	: WG2145605-1	**Tune File ID**	: R236980_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	15.7
75	30.0 - 66.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (.8)1
174	50.0 - 120.0% of mass 95	104
175	4.0 - 9.0% of mass 174	7.5 (7.2)1
176	93.0 - 101% of mass 174	101.8 (97.9)1
177	5.0 - 9.0% of mass 176	6.5 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.2	R2039932-2	R236984	11/21/25 22:35
STD0.5	R2039932-1	R236985	11/21/25 23:14
STD1.0	R2039932-3	R236986	11/21/25 23:55
STD5.0	R2039932-4	R236987	11/22/25 00:33
STD010	R2039932-5	R236988	11/22/25 01:14
STD020	R2039932-6	R236989	11/22/25 01:52
STD050	R2039932-7	R236990	11/22/25 02:30
STD100	R2039932-8	R236991	11/22/25 03:11
ICV QUANT	R2039932-9	R236994	11/22/25 05:16

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB23	**Analysis Date**	: 12/18/25 10:03
Tune Standard	: WG2155905-1	**Tune File ID**	: R237330_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.6
75	30.0 - 66.0% of mass 95	45
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (.8)1
174	50.0 - 120.0% of mass 95	106.5
175	4.0 - 9.0% of mass 174	7.7 (7.2)1
176	93.0 - 101% of mass 174	105.6 (99.2)1
177	5.0 - 9.0% of mass 176	6.7 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2155905-2CCAL	WG2155905-2	R237332	12/18/25 11:24
WG2155905-3LCS	WG2155905-3	R237333	12/18/25 12:05
WG2155905-4BLANK	WG2155905-4	R237335	12/18/25 16:52
WG2155905-5DUP	WG2155905-5D	R237343	12/18/25 22:02
STACK	L2577500-14D	R237344	12/18/25 22:38
SVP-10	L2577500-15	R237345	12/18/25 23:17
SVP-11	L2577500-16	R237346	12/18/25 23:56
SVP-103	L2577500-17D	R237347	12/19/25 00:32
SVP-206	L2577500-18D	R237348	12/19/25 01:08
SVP-205	L2577500-19	R237349	12/19/25 01:48
SVP-209	L2577500-20	R237350	12/19/25 02:28
SVP-207	L2577500-21D	R237351	12/19/25 03:04
SVP-202	L2577500-23	R237353	12/19/25 04:18
SVP-9	L2577500-24	R237354	12/19/25 04:57
SVP-208	L2577500-22D	R237355	12/19/25 07:45

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB23	**Analysis Date**	: 12/18/25 11:24:00
Sample No	: WG2155905-2	**Lab File ID**	: R237332

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2155905-2	206017	8.87	824395	11.05	102778	15.73
Upper Limit	288424	9.20	1154153	11.38	143889	16.06
Lower Limit	123610	8.54	494637	10.72	61667	15.40
Sample ID						
WG2155905-3 LCS	202424	8.88	824120	11.06	118304	15.73
WG2155905-4 BLANK	206812	8.88	785690	11.05	98427	15.73
VP_03 DUP	205320	8.87	719226	11.06	102659	15.73
STACK	207796	8.88	828666	11.06	110076	15.73
SVP-10	197174	8.86	807790	11.05	100793	15.73
SVP-11	200813	8.88	860990	11.06	109293	15.73
SVP-103	204147	8.88	943845	11.06	110648	15.73
SVP-206	178617	8.87	695253	11.05	90137	15.73
SVP-205	187714	8.87	691686	11.06	90976	15.74
SVP-209	203974	8.87	830223	11.06	104612	15.74
SVP-207	201850	8.87	839440	11.06	97525	15.73
SVP-202	177585	8.88	673239	11.06	89309	15.74
SVP-9	185050	8.87	682392	11.05	92210	15.73
SVP-208	178670	8.87	648566	11.05	95451	15.73

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

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 12/18/25 12:51:00
Sample No	: WG2155823-2	**Lab File ID**	: R1752981

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2155823-2	341577	8.78	849055	10.99	140112	15.76
Upper Limit	478208	9.11	1188677	11.32	196157	16.09
Lower Limit	204946	8.45	509433	10.66	84067	15.43
Sample ID						
WG2155823-3 LCS	356712	8.78	849255	10.98	135960	15.76
WG2155823-4 BLANK	345740	8.78	863655	10.99	135330	15.76
AMB-1	344311	8.78	830029	10.99	135099	15.76
IA-7	308347	8.78	721179	11.00	118529	15.77
IA-11	335905	8.78	796551	10.99	125371	15.76
IAQ-1	318253	8.82	854115	11.01	130582	15.77
IA-9	294986	8.78	833440	10.99	140237	15.77
IA-203	334366	8.78	1010220	11.00	161114	15.77
IA-202	308939	8.78	811180	11.00	137870	15.77
IA-201	321507	8.78	777077	11.00	127675	15.77
IA-201 DUP	310603	8.79	717381	11.00	118911	15.78
IA-206	323483	8.79	859120	11.00	139610	15.78
IA-205	340881	8.80	864590	11.01	140250	15.78
IA-209	336899	8.80	881170	11.02	148236	15.78
IA-207	335809	8.80	934795	11.02	163173	15.78
IA-208	330569	8.81	751708	11.02	124135	15.78
IA-11	317042	8.84	759008	11.06	127435	15.81
IAQ-1	319807	8.85	789814	11.06	134180	15.81
IA-9	340719	8.84	935011	11.05	151626	15.82

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

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB15	**Analysis Date**	: 12/19/25 10:50:00
Sample No	: WG2156391-2	**Lab File ID**	: R1558357

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2156391-2	486961	9.24	916541	11.50	216453	16.18
Upper Limit	681745	9.57	1283157	11.83	303034	16.51
Lower Limit	292177	8.91	549925	11.17	129872	15.85
Sample ID						
WG2156391-3 LCS	498073	9.25	926938	11.50	217082	16.18
WG2156391-4 BLANK	439231	9.26	783203	11.51	181572	16.18
IAQ-1	455816	9.25	810659	11.50	186577	16.18
L19-MP-1 DUP	434466	9.17	768516	11.42	194557	16.12

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

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

* Values outside of QC limits

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

Volatile Organics in Air: TO-15 (AIR)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.2	0.0614	ppbV	70-130			25	25			
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.052	ppbV	70-130			25	25			
1,1,2-Trichloroethane	79-00-5	0.2	0.0582	ppbV	70-130			25	25			
1,1-Dichloroethane	75-34-3	0.2	0.0568	ppbV	70-130			25	25			
1,1-Dichloroethene	75-35-4	0.2	0.0568	ppbV	70-130			25	25			
1,2,3-Trimethylbenzene	526-73-8	0.2	0.0576	ppbV	70-130			25	25			
1,2,4-Trichlorobenzene	120-82-1	0.2	0.1	ppbV	70-130			25	25			
1,2,4-Trimethylbenzene	95-63-6	0.2	0.0577	ppbV	70-130			25	25			
1,2,4,5-Tetramethylbenzene	95-93-2	0.2	0.135	ppbV	70-130			25	25			
1,2-Dibromoethane	106-93-4	0.2	0.0544	ppbV	70-130			25	25			
1,2-Dichlorobenzene	95-50-1	0.2	0.0619	ppbV	70-130			25	25			
1,2-Dichloroethane	107-06-2	0.2	0.0787	ppbV	70-130			25	25			
1,2-Dichloropropane	78-87-5	0.2	0.0631	ppbV	70-130			25	25			
1,3,5-Trimethylbenzene	108-67-8	0.2	0.06	ppbV	70-130			25	25			
1,3-Butadiene	106-99-0	0.2	0.0619	ppbV	70-130			25	25			
1,3-Dichlorobenzene	541-73-1	0.2	0.0777	ppbV	70-130			25	25			
1,4-Dichlorobenzene	106-46-7	0.2	0.0826	ppbV	70-130			25	25			
1,4-Dioxane	123-91-1	0.2	0.0538	ppbV	70-130			25	25			
2,2,4-Trimethylpentane	540-84-1	0.2	0.0692	ppbV	70-130			25	25			
2-Butanone	78-93-3	0.5	0.099	ppbV	70-130			25	25			
2-Hexanone	591-78-6	0.2	0.0912	ppbV	70-130			25	25			
2-Methylthiophene	554-14-3	0.2	0.0622	ppbV	70-130			25	25			
3-Methylthiophene	616-44-4	0.2	0.0634	ppbV	70-130			25	25			
3-Chloropropene	107-05-1	0.2	0.086	ppbV	70-130			25	25			
2-Ethylthiophene	872-55-9	0.2	0.0612	ppbV	70-130			25	25			
4-Ethyltoluene	622-96-8	0.2	0.0554	ppbV	70-130			25	25			
Acetone	67-64-1	1	0.515	ppbV	40-160			25	25			
Benzene	71-43-2	0.2	0.0643	ppbV	70-130			25	25			
Benzyl chloride	100-44-7	0.2	0.0939	ppbV	70-130			25	25			
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 Pace Analytical Services.

Volatile Organics in Air: TO-15 (AIR)

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

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

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Volatile Organics in Air: TO-15 (AIR)

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

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

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-01	Date Collected	: 12/03/25 16:59
Client ID	: AMB-1	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 17:41
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752986	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.459	0.200	--	2.27	0.989	--	
74-87-3	Chloromethane	0.476	0.200	--	0.983	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	7.94	5.00	--	15.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.78	1.00	--	16.1	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	1.35	1.00	--	3.32	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	0.452	0.200	--	1.59	0.705	--	
71-43-2	Benzene	0.393	0.200	--	1.26	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-01	Date Collected	: 12/03/25 16:59
Client ID	: AMB-1	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 17:41
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752986	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.274	0.200	--	1.28	0.934	--	
142-82-5	Heptane	0.239	0.200	--	0.979	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	0.676	0.200	--	2.55	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-01	**Date Collected**	: 12/03/25 16:59
Client ID	: AMB-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 17:41
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752986	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-02	Date Collected	: 12/03/25 16:16
Client ID	: IA-7	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 18:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752987	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.761	0.200	--	3.76	0.989	--	
74-87-3	Chloromethane	0.525	0.200	--	1.08	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	137	5.00	--	258	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	16.1	1.00	--	38.2	2.38	--	
75-69-4	Trichlorofluoromethane	0.201	0.200	--	1.13	1.12	--	
67-63-0	Isopropanol	3.15	1.00	--	7.74	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	0.213	0.200	--	0.751	0.705	--	
71-43-2	Benzene	0.270	0.200	--	0.863	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-02	Date Collected	: 12/03/25 16:16
Client ID	: IA-7	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 18:18
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752987	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.707	0.200	--	2.66	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-02	**Date Collected**	: 12/03/25 16:16
Client ID	: IA-7	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 18:18
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752987	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-03	Date Collected	: 12/03/25 18:23
Client ID	: IA-11	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 18:56
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752988	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.528	0.200	--	2.61	0.989	--	
74-87-3	Chloromethane	0.457	0.200	--	0.944	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	185	5.00	--	349	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	642	1.00	--	1530	2.38	--	E
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	35.1	1.00	--	86.3	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	13.2	0.500	--	47.6	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	0.255	0.200	--	0.899	0.705	--	
71-43-2	Benzene	0.283	0.200	--	0.904	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-03	Date Collected	: 12/03/25 18:23
Client ID	: IA-11	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 18:56
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752988	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.700	0.200	--	2.64	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-03	**Date Collected**	: 12/03/25 18:23
Client ID	: IA-11	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 18:56
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752988	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-03D	**Date Collected**	: 12/03/25 18:23
Client ID	: IA-11	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 09:30
Sample Matrix	: AIR	**Dilution Factor**	: 5
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1753007	**Instrument ID**	: AIRLAB17
Sample Amount	: 50.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
67-64-1	Acetone	831	5.00	--	1970	11.9	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-04	Date Collected	: 12/03/25 18:26
Client ID	: IAQ-1	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 19:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752989	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.498	0.200	--	2.46	0.989	--	
74-87-3	Chloromethane	0.652	0.200	--	1.35	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	1000	5.00	--	1880	9.42	--	E
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3020	1.00	--	7170	2.38	--	E
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	829	1.00	--	2040	2.46	--	E
75-65-0	Tertiary butyl Alcohol	1.02	0.500	--	3.09	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	1.20	0.500	--	3.54	1.47	--	
141-78-6	Ethyl Acetate	510	0.500	--	1840	1.80	--	E
67-66-3	Chloroform	1.65	0.200	--	8.06	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	2.21	0.200	--	7.79	0.705	--	
71-43-2	Benzene	0.358	0.200	--	1.14	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-04	Date Collected	: 12/03/25 18:26
Client ID	: IAQ-1	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 19:34
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752989	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
110-82-7	Cyclohexane	0.428	0.200	--	1.47	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	1.20	0.200	--	4.92	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	16.3	0.200	--	61.4	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	0.654	0.400	--	2.84	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.200	0.200	--	0.869	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-04	**Date Collected**	: 12/03/25 18:26
Client ID	: IAQ-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 19:34
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752989	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-04D	**Date Collected**	: 12/03/25 18:26
Client ID	: IAQ-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 10:05
Sample Matrix	: AIR	**Dilution Factor**	: 16.67
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1753008	**Instrument ID**	: AIRLAB17
Sample Amount	: 15.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
64-17-5	Ethanol	989	83.4	--	1860	157	--	
67-63-0	Isopropanol	901	16.7	--	2210	41.0	--	
141-78-6	Ethyl Acetate	316	8.34	--	1140	30.1	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-04D2	**Date Collected**	: 12/03/25 18:26
Client ID	: IAQ-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 18:25
Sample Matrix	: AIR	**Dilution Factor**	: 316.5
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1558362	**Instrument ID**	: AIRLAB15
Sample Amount	: 0.790 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
67-64-1	Acetone	38100	316	--	90500	751	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-05	Date Collected	: 12/03/25 18:31
Client ID	: IA-9	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 20:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752990	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.505	0.200	--	2.50	0.989	--	
74-87-3	Chloromethane	0.511	0.200	--	1.06	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	913	5.00	--	1720	9.42	--	E
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	63.8	1.00	--	152	2.38	--	
75-69-4	Trichlorofluoromethane	0.209	0.200	--	1.17	1.12	--	
67-63-0	Isopropanol	9.51	1.00	--	23.4	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	1.53	0.500	--	5.51	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	0.231	0.200	--	0.814	0.705	--	
71-43-2	Benzene	0.285	0.200	--	0.910	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-05	Date Collected	: 12/03/25 18:31
Client ID	: IA-9	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 20:11
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752990	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.428	0.200	--	1.61	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-05	**Date Collected**	: 12/03/25 18:31
Client ID	: IA-9	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 20:11
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752990	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-05D	**Date Collected**	: 12/03/25 18:31
Client ID	: IA-9	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 10:40
Sample Matrix	: AIR	**Dilution Factor**	: 12.5
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1753009	**Instrument ID**	: AIRLAB17
Sample Amount	: 20.0 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
64-17-5	Ethanol	820	62.5	--	1550	118	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-06	Date Collected	: 12/03/25 17:34
Client ID	: IA-203	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 20:49
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752991	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.488	0.200	--	2.41	0.989	--	
74-87-3	Chloromethane	0.512	0.200	--	1.06	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	176	5.00	--	332	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.90	1.00	--	23.5	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	5.73	1.00	--	14.1	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	0.810	0.500	--	2.92	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	0.226	0.200	--	0.722	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-06	Date Collected	: 12/03/25 17:34
Client ID	: IA-203	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 20:49
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752991	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.384	0.200	--	1.45	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-06	**Date Collected**	: 12/03/25 17:34
Client ID	: IA-203	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 20:49
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752991	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-07	Date Collected	: 12/03/25 17:36
Client ID	: IA-202	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 21:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752992	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.552	0.200	--	2.73	0.989	--	
74-87-3	Chloromethane	0.673	0.200	--	1.39	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	314	5.00	--	592	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	13.1	1.00	--	31.1	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	7.32	1.00	--	18.0	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	1.04	0.500	--	3.75	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	0.206	0.200	--	0.726	0.705	--	
71-43-2	Benzene	0.257	0.200	--	0.821	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-07	Date Collected	: 12/03/25 17:36
Client ID	: IA-202	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 21:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752992	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.544	0.200	--	2.05	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-07	**Date Collected**	: 12/03/25 17:36
Client ID	: IA-202	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 21:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752992	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-08	Date Collected	: 12/03/25 17:38
Client ID	: IA-201	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 22:04
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752993	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.551	0.200	--	2.72	0.989	--	
74-87-3	Chloromethane	0.591	0.200	--	1.22	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	285	5.00	--	537	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	13.9	1.00	--	33.0	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	8.16	1.00	--	20.1	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	1.04	0.500	--	3.75	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	0.221	0.200	--	0.779	0.705	--	
71-43-2	Benzene	0.258	0.200	--	0.824	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-08	Date Collected	: 12/03/25 17:38
Client ID	: IA-201	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 22:04
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752993	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.543	0.200	--	2.05	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-08	**Date Collected**	: 12/03/25 17:38
Client ID	: IA-201	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 22:04
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752993	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-09	Date Collected	: 12/03/25 17:40
Client ID	: IA-206	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:20
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752995	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.571	0.200	--	2.82	0.989	--	
74-87-3	Chloromethane	0.576	0.200	--	1.19	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	305	5.00	--	575	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.7	1.00	--	34.9	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	10.8	1.00	--	26.5	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	1.96	0.500	--	7.06	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	0.223	0.200	--	0.786	0.705	--	
71-43-2	Benzene	0.227	0.200	--	0.725	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-09	Date Collected	: 12/03/25 17:40
Client ID	: IA-206	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:20
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752995	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.908	0.200	--	3.42	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-09	**Date Collected**	: 12/03/25 17:40
Client ID	: IA-206	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 23:20
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752995	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-10	Date Collected	: 12/03/25 17:48
Client ID	: IA-205	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752996	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.545	0.200	--	2.69	0.989	--	
74-87-3	Chloromethane	0.568	0.200	--	1.17	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	312	5.00	--	588	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	15.7	1.00	--	37.3	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	11.9	1.00	--	29.3	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	2.83	0.500	--	10.2	1.80	--	
67-66-3	Chloroform	0.860	0.200	--	4.20	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	0.255	0.200	--	0.899	0.705	--	
71-43-2	Benzene	0.210	0.200	--	0.671	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-10	Date Collected	: 12/03/25 17:48
Client ID	: IA-205	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:57
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752996	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	1.01	0.200	--	3.81	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-10	**Date Collected**	: 12/03/25 17:48
Client ID	: IA-205	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 23:57
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752996	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-11	Date Collected	: 12/03/25 17:57
Client ID	: IA-209	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 00:35
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752997	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.554	0.200	--	2.74	0.989	--	
74-87-3	Chloromethane	0.578	0.200	--	1.19	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	262	5.00	--	494	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.8	1.00	--	35.2	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	9.57	1.00	--	23.5	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	1.18	0.500	--	4.25	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	0.209	0.200	--	0.668	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-11	Date Collected	: 12/03/25 17:57
Client ID	: IA-209	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 00:35
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752997	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	2.31	0.200	--	8.71	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-11	**Date Collected**	: 12/03/25 17:57
Client ID	: IA-209	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 00:35
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752997	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-12	Date Collected	: 12/03/25 18:04
Client ID	: IA-207	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752998	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.536	0.200	--	2.65	0.989	--	
74-87-3	Chloromethane	0.598	0.200	--	1.23	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	252	5.00	--	475	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.7	1.00	--	30.2	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	8.74	1.00	--	21.5	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	0.838	0.500	--	3.02	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	0.221	0.200	--	0.706	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-12	Date Collected	: 12/03/25 18:04
Client ID	: IA-207	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752998	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.411	0.200	--	1.55	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-12	**Date Collected**	: 12/03/25 18:04
Client ID	: IA-207	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 01:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752998	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-13	Date Collected	: 12/03/25 18:10
Client ID	: IA-208	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:50
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752999	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.557	0.200	--	2.75	0.989	--	
74-87-3	Chloromethane	0.608	0.200	--	1.26	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	255	5.00	--	480	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	11.1	1.00	--	26.4	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	8.75	1.00	--	21.5	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	0.800	0.500	--	2.88	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	0.267	0.200	--	0.853	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-13	Date Collected	: 12/03/25 18:10
Client ID	: IA-208	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:50
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752999	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.247	0.200	--	1.01	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	0.517	0.200	--	1.95	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-13	**Date Collected**	: 12/03/25 18:10
Client ID	: IA-208	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 01:50
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752999	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-14D	Date Collected	: 12/03/25 15:09
Client ID	: STACK	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 22:38
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 15.38
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237344	Instrument ID	: AIRLAB23
Sample Amount	: 16.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	3.08	--	ND	15.2	--	U
74-87-3	Chloromethane	ND	3.08	--	ND	6.36	--	U
76-14-2	Freon-114	ND	3.08	--	ND	21.5	--	U
75-01-4	Vinyl chloride	ND	3.08	--	ND	7.87	--	U
106-99-0	1,3-Butadiene	ND	3.08	--	ND	6.81	--	U
74-83-9	Bromomethane	ND	3.08	--	ND	12.0	--	U
75-00-3	Chloroethane	ND	3.08	--	ND	8.13	--	U
64-17-5	Ethanol	309	76.9	--	582	145	--	
593-60-2	Vinyl bromide	ND	3.08	--	ND	13.5	--	U
67-64-1	Acetone	4210	15.4	--	10000	36.6	--	
75-69-4	Trichlorofluoromethane	ND	3.08	--	ND	17.3	--	U
67-63-0	Isopropanol	249	15.4	--	612	37.9	--	
75-35-4	1,1-Dichloroethene	ND	3.08	--	ND	12.2	--	U
75-65-0	Tertiary butyl Alcohol	ND	7.69	--	ND	23.3	--	U
75-09-2	Methylene chloride	ND	7.69	--	ND	26.7	--	U
107-05-1	3-Chloropropene	ND	3.08	--	ND	9.64	--	U
75-15-0	Carbon disulfide	ND	3.08	--	ND	9.59	--	U
76-13-1	Freon-113	ND	3.08	--	ND	23.6	--	U
156-60-5	trans-1,2-Dichloroethene	ND	3.08	--	ND	12.2	--	U
75-34-3	1,1-Dichloroethane	ND	3.08	--	ND	12.5	--	U
1634-04-4	Methyl tert butyl ether	ND	3.08	--	ND	11.1	--	U
78-93-3	2-Butanone	ND	7.69	--	ND	22.7	--	U
156-59-2	cis-1,2-Dichloroethene	ND	3.08	--	ND	12.2	--	U
141-78-6	Ethyl Acetate	55.7	7.69	--	201	27.7	--	
67-66-3	Chloroform	ND	3.08	--	ND	15.0	--	U
109-99-9	Tetrahydrofuran	ND	7.69	--	ND	22.7	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-14D	Date Collected	: 12/03/25 15:09
Client ID	: STACK	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 22:38
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 15.38
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237344	Instrument ID	: AIRLAB23
Sample Amount	: 16.3 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	3.08	--	ND	12.5	--	U
110-54-3	n-Hexane	ND	3.08	--	ND	10.9	--	U
71-55-6	1,1,1-Trichloroethane	ND	3.08	--	ND	16.8	--	U
71-43-2	Benzene	ND	3.08	--	ND	9.84	--	U
56-23-5	Carbon tetrachloride	ND	3.08	--	ND	19.4	--	U
110-82-7	Cyclohexane	ND	3.08	--	ND	10.6	--	U
78-87-5	1,2-Dichloropropane	ND	3.08	--	ND	14.2	--	U
75-27-4	Bromodichloromethane	ND	3.08	--	ND	20.6	--	U
123-91-1	1,4-Dioxane	ND	3.08	--	ND	11.1	--	U
79-01-6	Trichloroethene	ND	3.08	--	ND	16.6	--	U
540-84-1	2,2,4-Trimethylpentane	ND	3.08	--	ND	14.4	--	U
142-82-5	Heptane	ND	3.08	--	ND	12.6	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.08	--	ND	14.0	--	U
108-10-1	4-Methyl-2-pentanone	ND	7.69	--	ND	31.5	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.08	--	ND	14.0	--	U
79-00-5	1,1,2-Trichloroethane	ND	3.08	--	ND	16.8	--	U
108-88-3	Toluene	3.58	3.08	--	13.5	11.6	--	
591-78-6	2-Hexanone	ND	3.08	--	ND	12.6	--	U
124-48-1	Dibromochloromethane	ND	3.08	--	ND	26.2	--	U
106-93-4	1,2-Dibromoethane	ND	3.08	--	ND	23.7	--	U
127-18-4	Tetrachloroethene	14.4	3.08	--	97.6	20.9	--	
108-90-7	Chlorobenzene	ND	3.08	--	ND	14.2	--	U
100-41-4	Ethylbenzene	ND	3.08	--	ND	13.4	--	U
179601-23-1	p/m-Xylene	ND	6.15	--	ND	26.7	--	U
75-25-2	Bromoform	ND	3.08	--	ND	31.8	--	U
100-42-5	Styrene	ND	3.08	--	ND	13.1	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-14D	**Date Collected**	: 12/03/25 15:09
Client ID	: STACK	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 22:38
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 15.38
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R237344	**Instrument ID**	: AIRLAB23
Sample Amount	: 16.3 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.08	--	ND	21.2	--	U
95-47-6	o-Xylene	ND	3.08	--	ND	13.4	--	U
622-96-8	4-Ethyltoluene	ND	3.08	--	ND	15.1	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.08	--	ND	15.1	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	3.08	--	ND	15.1	--	U
100-44-7	Benzyl chloride	ND	3.08	--	ND	15.9	--	U
541-73-1	1,3-Dichlorobenzene	ND	3.08	--	ND	18.5	--	U
106-46-7	1,4-Dichlorobenzene	ND	3.08	--	ND	18.5	--	U
95-50-1	1,2-Dichlorobenzene	ND	3.08	--	ND	18.5	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.08	--	ND	22.9	--	U
91-20-3	Naphthalene	ND	2.92	--	ND	15.3	--	U
87-68-3	Hexachlorobutadiene	ND	3.08	--	ND	32.9	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-15	Date Collected	: 12/03/25 14:11
Client ID	: SVP-10	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237345	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.696	0.200	--	3.44	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	97.4	5.00	--	184	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	6.47	1.00	--	15.4	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	2.42	1.00	--	5.95	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	1.72	0.200	--	5.36	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	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	0.243	0.200	--	1.19	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-15	Date Collected	: 12/03/25 14:11
Client ID	: SVP-10	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237345	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.321	0.200	--	1.13	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.450	0.200	--	1.44	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	0.265	0.200	--	1.42	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	1.83	0.200	--	6.90	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	3.62	0.200	--	24.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.590	0.200	--	2.56	0.869	--	
179601-23-1	p/m-Xylene	2.72	0.400	--	11.8	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-15	Date Collected	: 12/03/25 14:11
Client ID	: SVP-10	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:17
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237345	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.01	0.200	--	4.39	0.869	--	
622-96-8	4-Ethyltoluene	0.365	0.200	--	1.79	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.804	0.200	--	3.95	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.40	0.200	--	11.8	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	0.394	0.190	--	2.07	0.996	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-16	Date Collected	: 12/03/25 14:59
Client ID	: SVP-11	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237346	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	6.45	0.200	--	31.9	0.989	--	
74-87-3	Chloromethane	0.376	0.200	--	0.776	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	111	5.00	--	209	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	291	1.00	--	691	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	22.6	1.00	--	55.6	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	0.366	0.200	--	1.14	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	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	7.91	0.500	--	28.5	1.80	--	
67-66-3	Chloroform	0.445	0.200	--	2.17	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-16	Date Collected	: 12/03/25 14:59
Client ID	: SVP-11	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237346	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.435	0.200	--	1.53	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.336	0.200	--	1.07	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	1.54	0.200	--	5.80	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	1.05	0.200	--	7.12	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.370	0.200	--	1.61	0.869	--	
179601-23-1	p/m-Xylene	1.58	0.400	--	6.86	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-16	Date Collected	: 12/03/25 14:59
Client ID	: SVP-11	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/18/25 23:56
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237346	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.679	0.200	--	2.95	0.869	--	
622-96-8	4-Ethyltoluene	0.236	0.200	--	1.16	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.530	0.200	--	2.61	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.69	0.200	--	8.31	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	0.333	0.190	--	1.75	0.996	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-17D	Date Collected	: 12/03/25 09:02
Client ID	: SVP-103	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1136
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237347	Instrument ID	: AIRLAB23
Sample Amount	: 0.220 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	ND	227	--	ND	1120	--	U
74-87-3	Chloromethane	ND	227	--	ND	469.	--	U
76-14-2	Freon-114	ND	227	--	ND	1590	--	U
75-01-4	Vinyl chloride	ND	227	--	ND	580.	--	U
106-99-0	1,3-Butadiene	ND	227	--	ND	502.	--	U
74-83-9	Bromomethane	ND	227	--	ND	881.	--	U
75-00-3	Chloroethane	ND	227	--	ND	599.	--	U
64-17-5	Ethanol	ND	5680	--	ND	10700	--	U
593-60-2	Vinyl bromide	ND	227	--	ND	992.	--	U
67-64-1	Acetone	ND	1140	--	ND	2710	--	U
75-69-4	Trichlorofluoromethane	ND	227	--	ND	1280	--	U
67-63-0	Isopropanol	ND	1140	--	ND	2800	--	U
75-35-4	1,1-Dichloroethene	ND	227	--	ND	900.	--	U
75-65-0	Tertiary butyl Alcohol	ND	568	--	ND	1720	--	U
75-09-2	Methylene chloride	ND	568	--	ND	1970	--	U
107-05-1	3-Chloropropene	ND	227	--	ND	711.	--	U
75-15-0	Carbon disulfide	ND	227	--	ND	707.	--	U
76-13-1	Freon-113	ND	227	--	ND	1740	--	U
156-60-5	trans-1,2-Dichloroethene	ND	227	--	ND	900.	--	U
75-34-3	1,1-Dichloroethane	ND	227	--	ND	919.	--	U
1634-04-4	Methyl tert butyl ether	ND	227	--	ND	818.	--	U
78-93-3	2-Butanone	ND	568	--	ND	1680	--	U
156-59-2	cis-1,2-Dichloroethene	ND	227	--	ND	900.	--	U
141-78-6	Ethyl Acetate	ND	568	--	ND	2050	--	U
67-66-3	Chloroform	ND	227	--	ND	1110	--	U
109-99-9	Tetrahydrofuran	ND	568	--	ND	1680	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-17D	Date Collected	: 12/03/25 09:02
Client ID	: SVP-103	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1136
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237347	Instrument ID	: AIRLAB23
Sample Amount	: 0.220 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	227	--	ND	919.	--	U
110-54-3	n-Hexane	ND	227	--	ND	800.	--	U
71-55-6	1,1,1-Trichloroethane	ND	227	--	ND	1240	--	U
71-43-2	Benzene	ND	227	--	ND	725.	--	U
56-23-5	Carbon tetrachloride	ND	227	--	ND	1430	--	U
110-82-7	Cyclohexane	ND	227	--	ND	781.	--	U
78-87-5	1,2-Dichloropropane	ND	227	--	ND	1050	--	U
75-27-4	Bromodichloromethane	ND	227	--	ND	1520	--	U
123-91-1	1,4-Dioxane	ND	227	--	ND	818.	--	U
79-01-6	Trichloroethene	ND	227	--	ND	1220	--	U
540-84-1	2,2,4-Trimethylpentane	ND	227	--	ND	1060	--	U
142-82-5	Heptane	ND	227	--	ND	930.	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	227	--	ND	1030	--	U
108-10-1	4-Methyl-2-pentanone	ND	568	--	ND	2330	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	227	--	ND	1030	--	U
79-00-5	1,1,2-Trichloroethane	ND	227	--	ND	1240	--	U
108-88-3	Toluene	ND	227	--	ND	855.	--	U
591-78-6	2-Hexanone	ND	227	--	ND	930.	--	U
124-48-1	Dibromochloromethane	ND	227	--	ND	1930	--	U
106-93-4	1,2-Dibromoethane	ND	227	--	ND	1740	--	U
127-18-4	Tetrachloroethene	49600	227	--	336000	1540	--	
108-90-7	Chlorobenzene	ND	227	--	ND	1050	--	U
100-41-4	Ethylbenzene	ND	227	--	ND	986.	--	U
179601-23-1	p/m-Xylene	ND	454	--	ND	1970	--	U
75-25-2	Bromoform	ND	227	--	ND	2350	--	U
100-42-5	Styrene	ND	227	--	ND	966.	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-17D	Date Collected	: 12/03/25 09:02
Client ID	: SVP-103	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 00:32
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1136
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237347	Instrument ID	: AIRLAB23
Sample Amount	: 0.220 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	227	--	ND	1560	--	U
95-47-6	o-Xylene	ND	227	--	ND	986.	--	U
622-96-8	4-Ethyltoluene	ND	227	--	ND	1120	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	227	--	ND	1120	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	227	--	ND	1120	--	U
100-44-7	Benzyl chloride	ND	227	--	ND	1180	--	U
541-73-1	1,3-Dichlorobenzene	ND	227	--	ND	1360	--	U
106-46-7	1,4-Dichlorobenzene	ND	227	--	ND	1360	--	U
95-50-1	1,2-Dichlorobenzene	ND	227	--	ND	1360	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	227	--	ND	1690	--	U
91-20-3	Naphthalene	ND	216	--	ND	1130	--	U
87-68-3	Hexachlorobutadiene	ND	227	--	ND	2420	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-18D	Date Collected	: 12/03/25 09:52
Client ID	: SVP-206	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5.556
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237348	Instrument ID	: AIRLAB23
Sample Amount	: 45.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	5.16	1.11	--	25.5	5.49	--	
74-87-3	Chloromethane	ND	1.11	--	ND	2.29	--	U
76-14-2	Freon-114	ND	1.11	--	ND	7.76	--	U
75-01-4	Vinyl chloride	ND	1.11	--	ND	2.84	--	U
106-99-0	1,3-Butadiene	ND	1.11	--	ND	2.46	--	U
74-83-9	Bromomethane	ND	1.11	--	ND	4.31	--	U
75-00-3	Chloroethane	ND	1.11	--	ND	2.93	--	U
64-17-5	Ethanol	42.7	27.8	--	80.5	52.4	--	
593-60-2	Vinyl bromide	ND	1.11	--	ND	4.85	--	U
67-64-1	Acetone	19.3	5.56	--	45.8	13.2	--	
75-69-4	Trichlorofluoromethane	ND	1.11	--	ND	6.24	--	U
67-63-0	Isopropanol	5.97	5.56	--	14.7	13.7	--	
75-35-4	1,1-Dichloroethene	ND	1.11	--	ND	4.40	--	U
75-65-0	Tertiary butyl Alcohol	ND	2.78	--	ND	8.43	--	U
75-09-2	Methylene chloride	ND	2.78	--	ND	9.66	--	U
107-05-1	3-Chloropropene	ND	1.11	--	ND	3.47	--	U
75-15-0	Carbon disulfide	16.5	1.11	--	51.4	3.46	--	
76-13-1	Freon-113	ND	1.11	--	ND	8.51	--	U
156-60-5	trans-1,2-Dichloroethene	ND	1.11	--	ND	4.40	--	U
75-34-3	1,1-Dichloroethane	ND	1.11	--	ND	4.49	--	U
1634-04-4	Methyl tert butyl ether	ND	1.11	--	ND	4.00	--	U
78-93-3	2-Butanone	ND	2.78	--	ND	8.20	--	U
156-59-2	cis-1,2-Dichloroethene	ND	1.11	--	ND	4.40	--	U
141-78-6	Ethyl Acetate	ND	2.78	--	ND	10.0	--	U
67-66-3	Chloroform	27.3	1.11	--	133	5.42	--	
109-99-9	Tetrahydrofuran	ND	2.78	--	ND	8.20	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-18D	Date Collected	: 12/03/25 09:52
Client ID	: SVP-206	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5.556
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237348	Instrument ID	: AIRLAB23
Sample Amount	: 45.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	5.59	1.11	--	22.6	4.49	--	
110-54-3	n-Hexane	ND	1.11	--	ND	3.91	--	U
71-55-6	1,1,1-Trichloroethane	ND	1.11	--	ND	6.06	--	U
71-43-2	Benzene	1.44	1.11	--	4.60	3.55	--	
56-23-5	Carbon tetrachloride	ND	1.11	--	ND	6.98	--	U
110-82-7	Cyclohexane	ND	1.11	--	ND	3.82	--	U
78-87-5	1,2-Dichloropropane	ND	1.11	--	ND	5.13	--	U
75-27-4	Bromodichloromethane	1.32	1.11	--	8.84	7.44	--	
123-91-1	1,4-Dioxane	ND	1.11	--	ND	4.00	--	U
79-01-6	Trichloroethene	2.06	1.11	--	11.1	5.97	--	
540-84-1	2,2,4-Trimethylpentane	ND	1.11	--	ND	5.18	--	U
142-82-5	Heptane	ND	1.11	--	ND	4.55	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--	U
108-10-1	4-Methyl-2-pentanone	ND	2.78	--	ND	11.4	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.11	--	ND	5.04	--	U
79-00-5	1,1,2-Trichloroethane	ND	1.11	--	ND	6.06	--	U
108-88-3	Toluene	1.20	1.11	--	4.52	4.18	--	
591-78-6	2-Hexanone	ND	1.11	--	ND	4.55	--	U
124-48-1	Dibromochloromethane	ND	1.11	--	ND	9.46	--	U
106-93-4	1,2-Dibromoethane	ND	1.11	--	ND	8.53	--	U
127-18-4	Tetrachloroethene	297	1.11	--	2010	7.53	--	
108-90-7	Chlorobenzene	ND	1.11	--	ND	5.11	--	U
100-41-4	Ethylbenzene	ND	1.11	--	ND	4.82	--	U
179601-23-1	p/m-Xylene	ND	2.22	--	ND	9.64	--	U
75-25-2	Bromoform	ND	1.11	--	ND	11.5	--	U
100-42-5	Styrene	2.22	1.11	--	9.45	4.73	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-18D	Date Collected	: 12/03/25 09:52
Client ID	: SVP-206	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:08
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5.556
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237348	Instrument ID	: AIRLAB23
Sample Amount	: 45.0 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.11	--	ND	7.62	--	U
95-47-6	o-Xylene	ND	1.11	--	ND	4.82	--	U
622-96-8	4-Ethyltoluene	ND	1.11	--	ND	5.46	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.11	--	ND	5.46	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.11	--	ND	5.46	--	U
100-44-7	Benzyl chloride	ND	1.11	--	ND	5.75	--	U
541-73-1	1,3-Dichlorobenzene	ND	1.11	--	ND	6.67	--	U
106-46-7	1,4-Dichlorobenzene	ND	1.11	--	ND	6.67	--	U
95-50-1	1,2-Dichlorobenzene	ND	1.11	--	ND	6.67	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.11	--	ND	8.24	--	U
91-20-3	Naphthalene	ND	1.06	--	ND	5.56	--	U
87-68-3	Hexachlorobutadiene	ND	1.11	--	ND	11.8	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-19	Date Collected	: 12/03/25 10:21
Client ID	: SVP-205	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:48
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237349	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.449	0.200	--	2.22	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	0.868	0.200	--	1.92	0.442	--	
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	2.18	0.200	--	5.75	0.528	--	
64-17-5	Ethanol	91.1	5.00	--	172	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	9.25	1.00	--	22.0	2.38	--	
75-69-4	Trichlorofluoromethane	0.288	0.200	--	1.62	1.12	--	
67-63-0	Isopropanol	5.73	1.00	--	14.1	2.46	--	
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	1.41	0.500	--	4.27	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	6.56	0.200	--	20.4	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	0.694	0.500	--	2.05	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	1.62	0.200	--	7.91	0.977	--	
109-99-9	Tetrahydrofuran	1.76	0.500	--	5.19	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-19	Date Collected	: 12/03/25 10:21
Client ID	: SVP-205	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:48
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237349	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	3.69	0.200	--	14.9	0.809	--	
110-54-3	n-Hexane	0.649	0.200	--	2.29	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.604	0.200	--	1.93	0.639	--	
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	0.252	0.200	--	0.867	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	0.460	0.200	--	2.15	0.934	--	
142-82-5	Heptane	0.367	0.200	--	1.50	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	1.71	0.200	--	6.44	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	1.43	0.200	--	9.70	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.571	0.200	--	2.48	0.869	--	
179601-23-1	p/m-Xylene	2.54	0.400	--	11.0	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-19	Date Collected	: 12/03/25 10:21
Client ID	: SVP-205	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 01:48
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237349	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.23	0.200	--	5.34	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.278	0.200	--	1.37	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	0.756	0.200	--	3.72	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-20	Date Collected	: 12/03/25 10:51
Client ID	: SVP-209	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 02:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237350	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	1.89	0.200	--	9.35	0.989	--	
74-87-3	Chloromethane	0.481	0.200	--	0.993	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	238	5.00	--	448	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	11.3	1.00	--	26.8	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	11.9	1.00	--	29.3	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	0.581	0.500	--	2.09	1.80	--	
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-20	Date Collected	: 12/03/25 10:51
Client ID	: SVP-209	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 02:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237350	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.486	0.200	--	1.71	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.368	0.200	--	1.18	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	2.67	0.200	--	14.3	1.07	--	
540-84-1	2,2,4-Trimethylpentane	0.210	0.200	--	0.981	0.934	--	
142-82-5	Heptane	0.263	0.200	--	1.08	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.983	0.200	--	3.70	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	0.456	0.200	--	3.09	1.36	--	
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	0.535	0.400	--	2.32	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-20	Date Collected	: 12/03/25 10:51
Client ID	: SVP-209	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 02:28
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237350	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.222	0.200	--	0.964	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	0.301	0.200	--	1.48	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-21D	Date Collected	: 12/03/25 11:21
Client ID	: SVP-207	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 03:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 22.87
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237351	Instrument ID	: AIRLAB23
Sample Amount	: 10.9 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	25.2	4.57	--	125	22.6	--	
74-87-3	Chloromethane	ND	4.57	--	ND	9.44	--	U
76-14-2	Freon-114	ND	4.57	--	ND	31.9	--	U
75-01-4	Vinyl chloride	ND	4.57	--	ND	11.7	--	U
106-99-0	1,3-Butadiene	ND	4.57	--	ND	10.1	--	U
74-83-9	Bromomethane	ND	4.57	--	ND	17.7	--	U
75-00-3	Chloroethane	ND	4.57	--	ND	12.1	--	U
64-17-5	Ethanol	ND	114	--	ND	215	--	U
593-60-2	Vinyl bromide	ND	4.57	--	ND	20.0	--	U
67-64-1	Acetone	ND	22.9	--	ND	54.4	--	U
75-69-4	Trichlorofluoromethane	ND	4.57	--	ND	25.7	--	U
67-63-0	Isopropanol	ND	22.9	--	ND	56.3	--	U
75-35-4	1,1-Dichloroethene	ND	4.57	--	ND	18.1	--	U
75-65-0	Tertiary butyl Alcohol	ND	11.4	--	ND	34.6	--	U
75-09-2	Methylene chloride	ND	11.4	--	ND	39.6	--	U
107-05-1	3-Chloropropene	ND	4.57	--	ND	14.3	--	U
75-15-0	Carbon disulfide	ND	4.57	--	ND	14.2	--	U
76-13-1	Freon-113	ND	4.57	--	ND	35.0	--	U
156-60-5	trans-1,2-Dichloroethene	ND	4.57	--	ND	18.1	--	U
75-34-3	1,1-Dichloroethane	ND	4.57	--	ND	18.5	--	U
1634-04-4	Methyl tert butyl ether	ND	4.57	--	ND	16.5	--	U
78-93-3	2-Butanone	ND	11.4	--	ND	33.6	--	U
156-59-2	cis-1,2-Dichloroethene	ND	4.57	--	ND	18.1	--	U
141-78-6	Ethyl Acetate	ND	11.4	--	ND	41.1	--	U
67-66-3	Chloroform	ND	4.57	--	ND	22.3	--	U
109-99-9	Tetrahydrofuran	ND	11.4	--	ND	33.6	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-21D	Date Collected	: 12/03/25 11:21
Client ID	: SVP-207	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 03:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 22.87
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237351	Instrument ID	: AIRLAB23
Sample Amount	: 10.9 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	6.40	4.57	--	25.9	18.5	--	
110-54-3	n-Hexane	ND	4.57	--	ND	16.1	--	U
71-55-6	1,1,1-Trichloroethane	ND	4.57	--	ND	24.9	--	U
71-43-2	Benzene	ND	4.57	--	ND	14.6	--	U
56-23-5	Carbon tetrachloride	ND	4.57	--	ND	28.7	--	U
110-82-7	Cyclohexane	ND	4.57	--	ND	15.7	--	U
78-87-5	1,2-Dichloropropane	ND	4.57	--	ND	21.1	--	U
75-27-4	Bromodichloromethane	ND	4.57	--	ND	30.6	--	U
123-91-1	1,4-Dioxane	ND	4.57	--	ND	16.5	--	U
79-01-6	Trichloroethene	14.0	4.57	--	75.2	24.6	--	
540-84-1	2,2,4-Trimethylpentane	ND	4.57	--	ND	21.3	--	U
142-82-5	Heptane	ND	4.57	--	ND	18.7	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.57	--	ND	20.7	--	U
108-10-1	4-Methyl-2-pentanone	ND	11.4	--	ND	46.7	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.57	--	ND	20.7	--	U
79-00-5	1,1,2-Trichloroethane	ND	4.57	--	ND	24.9	--	U
108-88-3	Toluene	ND	4.57	--	ND	17.2	--	U
591-78-6	2-Hexanone	ND	4.57	--	ND	18.7	--	U
124-48-1	Dibromochloromethane	ND	4.57	--	ND	38.9	--	U
106-93-4	1,2-Dibromoethane	ND	4.57	--	ND	35.1	--	U
127-18-4	Tetrachloroethene	1540	4.57	--	10400	31.0	--	
108-90-7	Chlorobenzene	ND	4.57	--	ND	21.0	--	U
100-41-4	Ethylbenzene	ND	4.57	--	ND	19.9	--	U
179601-23-1	p/m-Xylene	ND	9.15	--	ND	39.7	--	U
75-25-2	Bromoform	ND	4.57	--	ND	47.3	--	U
100-42-5	Styrene	ND	4.57	--	ND	19.5	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-21D	Date Collected	: 12/03/25 11:21
Client ID	: SVP-207	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 03:04
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 22.87
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237351	Instrument ID	: AIRLAB23
Sample Amount	: 10.9 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.57	--	ND	31.4	--	U
95-47-6	o-Xylene	ND	4.57	--	ND	19.9	--	U
622-96-8	4-Ethyltoluene	ND	4.57	--	ND	22.5	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.57	--	ND	22.5	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.57	--	ND	22.5	--	U
100-44-7	Benzyl chloride	ND	4.57	--	ND	23.7	--	U
541-73-1	1,3-Dichlorobenzene	ND	4.57	--	ND	27.5	--	U
106-46-7	1,4-Dichlorobenzene	ND	4.57	--	ND	27.5	--	U
95-50-1	1,2-Dichlorobenzene	ND	4.57	--	ND	27.5	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.57	--	ND	33.9	--	U
91-20-3	Naphthalene	ND	4.34	--	ND	22.8	--	U
87-68-3	Hexachlorobutadiene	ND	4.57	--	ND	48.7	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-22D	Date Collected	: 12/03/25 11:48
Client ID	: SVP-208	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 07:45
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.63
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237355	Instrument ID	: AIRLAB23
Sample Amount	: 19.8 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	746	2.53	--	3690	12.5	--	
74-87-3	Chloromethane	ND	2.53	--	ND	5.22	--	U
76-14-2	Freon-114	ND	2.53	--	ND	17.7	--	U
75-01-4	Vinyl chloride	ND	2.53	--	ND	6.47	--	U
106-99-0	1,3-Butadiene	ND	2.53	--	ND	5.60	--	U
74-83-9	Bromomethane	ND	2.53	--	ND	9.82	--	U
75-00-3	Chloroethane	ND	2.53	--	ND	6.68	--	U
64-17-5	Ethanol	86.5	63.2	--	163	119	--	
593-60-2	Vinyl bromide	ND	2.53	--	ND	11.1	--	U
67-64-1	Acetone	16.9	12.6	--	40.1	29.9	--	
75-69-4	Trichlorofluoromethane	ND	2.53	--	ND	14.2	--	U
67-63-0	Isopropanol	ND	12.6	--	ND	31.0	--	U
75-35-4	1,1-Dichloroethene	ND	2.53	--	ND	10.0	--	U
75-65-0	Tertiary butyl Alcohol	ND	6.32	--	ND	19.2	--	U
75-09-2	Methylene chloride	ND	6.32	--	ND	22.0	--	U
107-05-1	3-Chloropropene	ND	2.53	--	ND	7.92	--	U
75-15-0	Carbon disulfide	ND	2.53	--	ND	7.88	--	U
76-13-1	Freon-113	ND	2.53	--	ND	19.4	--	U
156-60-5	trans-1,2-Dichloroethene	ND	2.53	--	ND	10.0	--	U
75-34-3	1,1-Dichloroethane	ND	2.53	--	ND	10.2	--	U
1634-04-4	Methyl tert butyl ether	ND	2.53	--	ND	9.12	--	U
78-93-3	2-Butanone	ND	6.32	--	ND	18.6	--	U
156-59-2	cis-1,2-Dichloroethene	ND	2.53	--	ND	10.0	--	U
141-78-6	Ethyl Acetate	ND	6.32	--	ND	22.8	--	U
67-66-3	Chloroform	ND	2.53	--	ND	12.4	--	U
109-99-9	Tetrahydrofuran	ND	6.32	--	ND	18.6	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-22D	Date Collected	: 12/03/25 11:48
Client ID	: SVP-208	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 07:45
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.63
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237355	Instrument ID	: AIRLAB23
Sample Amount	: 19.8 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	5.51	2.53	--	22.3	10.2	--	
110-54-3	n-Hexane	ND	2.53	--	ND	8.92	--	U
71-55-6	1,1,1-Trichloroethane	ND	2.53	--	ND	13.8	--	U
71-43-2	Benzene	ND	2.53	--	ND	8.08	--	U
56-23-5	Carbon tetrachloride	ND	2.53	--	ND	15.9	--	U
110-82-7	Cyclohexane	ND	2.53	--	ND	8.71	--	U
78-87-5	1,2-Dichloropropane	ND	2.53	--	ND	11.7	--	U
75-27-4	Bromodichloromethane	ND	2.53	--	ND	16.9	--	U
123-91-1	1,4-Dioxane	ND	2.53	--	ND	9.12	--	U
79-01-6	Trichloroethene	ND	2.53	--	ND	13.6	--	U
540-84-1	2,2,4-Trimethylpentane	ND	2.53	--	ND	11.8	--	U
142-82-5	Heptane	ND	2.53	--	ND	10.4	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.53	--	ND	11.5	--	U
108-10-1	4-Methyl-2-pentanone	ND	6.32	--	ND	25.9	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.53	--	ND	11.5	--	U
79-00-5	1,1,2-Trichloroethane	ND	2.53	--	ND	13.8	--	U
108-88-3	Toluene	ND	2.53	--	ND	9.53	--	U
591-78-6	2-Hexanone	ND	2.53	--	ND	10.4	--	U
124-48-1	Dibromochloromethane	ND	2.53	--	ND	21.6	--	U
106-93-4	1,2-Dibromoethane	ND	2.53	--	ND	19.4	--	U
127-18-4	Tetrachloroethene	6.57	2.53	--	44.6	17.2	--	
108-90-7	Chlorobenzene	ND	2.53	--	ND	11.7	--	U
100-41-4	Ethylbenzene	ND	2.53	--	ND	11.0	--	U
179601-23-1	p/m-Xylene	ND	5.05	--	ND	21.9	--	U
75-25-2	Bromoform	ND	2.53	--	ND	26.2	--	U
100-42-5	Styrene	ND	2.53	--	ND	10.8	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-22D	Date Collected	: 12/03/25 11:48
Client ID	: SVP-208	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 07:45
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 12.63
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237355	Instrument ID	: AIRLAB23
Sample Amount	: 19.8 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.53	--	ND	17.4	--	U
95-47-6	o-Xylene	ND	2.53	--	ND	11.0	--	U
622-96-8	4-Ethyltoluene	ND	2.53	--	ND	12.4	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.53	--	ND	12.4	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.53	--	ND	12.4	--	U
100-44-7	Benzyl chloride	ND	2.53	--	ND	13.1	--	U
541-73-1	1,3-Dichlorobenzene	ND	2.53	--	ND	15.2	--	U
106-46-7	1,4-Dichlorobenzene	ND	2.53	--	ND	15.2	--	U
95-50-1	1,2-Dichlorobenzene	ND	2.53	--	ND	15.2	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.53	--	ND	18.8	--	U
91-20-3	Naphthalene	ND	2.40	--	ND	12.6	--	U
87-68-3	Hexachlorobutadiene	ND	2.53	--	ND	27.0	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-23	Date Collected	: 12/03/25 12:58
Client ID	: SVP-202	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 04:18
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237353	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	6.73	0.200	--	33.3	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	81.8	5.00	--	154	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	1.45	1.00	--	3.44	2.38	--	
75-69-4	Trichlorofluoromethane	0.206	0.200	--	1.16	1.12	--	
67-63-0	Isopropanol	2.86	1.00	--	7.03	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	1.54	0.200	--	7.52	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-23	Date Collected	: 12/03/25 12:58
Client ID	: SVP-202	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 04:18
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237353	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.242	0.200	--	0.853	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.220	0.200	--	0.703	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	0.234	0.200	--	1.26	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	1.37	0.200	--	5.16	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	1.27	0.200	--	8.61	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.479	0.200	--	2.08	0.869	--	
179601-23-1	p/m-Xylene	2.18	0.400	--	9.47	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-23	**Date Collected**	: 12/03/25 12:58
Client ID	: SVP-202	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 04:18
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R237353	**Instrument ID**	: AIRLAB23
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.809	0.200	--	3.51	0.869	--	
622-96-8	4-Ethyltoluene	0.315	0.200	--	1.55	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.613	0.200	--	3.01	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.93	0.200	--	9.49	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	0.465	0.190	--	2.44	0.996	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-24	Date Collected	: 12/03/25 13:38
Client ID	: SVP-9	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 04:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237354	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.773	0.200	--	3.82	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	109	5.00	--	205	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.22	1.00	--	5.27	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	1.81	1.00	--	4.45	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	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-24	Date Collected	: 12/03/25 13:38
Client ID	: SVP-9	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 04:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237354	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.269	0.200	--	0.948	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.299	0.200	--	0.955	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	1.97	0.200	--	7.42	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	4.00	0.200	--	27.1	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.592	0.200	--	2.57	0.869	--	
179601-23-1	p/m-Xylene	2.73	0.400	--	11.9	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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: L2577500-24	Date Collected	: 12/03/25 13:38
Client ID	: SVP-9	Date Received	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	Date Analyzed	: 12/19/25 04:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237354	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.913	0.200	--	3.97	0.869	--	
622-96-8	4-Ethyltoluene	0.315	0.200	--	1.55	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.542	0.200	--	2.66	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.70	0.200	--	8.36	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	0.371	0.190	--	1.95	0.996	--	
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155823-4	Date Collected	: NA
Client ID	: WG2155823-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752984	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155823-4	Date Collected	: NA
Client ID	: WG2155823-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752984	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155823-4	Date Collected	: NA
Client ID	: WG2155823-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752984	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155823-5	Date Collected	: 12/03/25 17:38
Client ID	: IA-201DUP	Date Received	: 12/05/25
Sample Location	:	Date Analyzed	: 12/18/25 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752994	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.564	0.200	--	2.79	0.989	--	
74-87-3	Chloromethane	0.618	0.200	--	1.28	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	284	5.00	--	535	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	14.1	1.00	--	33.5	2.38	--	
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	8.58	1.00	--	21.1	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	1.04	0.500	--	3.75	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	0.233	0.200	--	0.821	0.705	--	
71-43-2	Benzene	0.281	0.200	--	0.898	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Stantec	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155823-5	Date Collected	: 12/03/25 17:38
Client ID	: IA-201DUP	Date Received	: 12/05/25
Sample Location	:	Date Analyzed	: 12/18/25 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1752994	Instrument ID	: AIRLAB17
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	0.601	0.200	--	2.26	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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: WG2155823-5	**Date Collected**	: 12/03/25 17:38
Client ID	: IA-201DUP	**Date Received**	: 12/05/25
Sample Location	:	**Date Analyzed**	: 12/18/25 22:42
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R1752994	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155905-4	Date Collected	: NA
Client ID	: WG2155905-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:52
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237335	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155905-4	Date Collected	: NA
Client ID	: WG2155905-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:52
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237335	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2155905-4	Date Collected	: NA
Client ID	: WG2155905-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/18/25 16:52
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R237335	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2156391-4	Date Collected	: NA
Client ID	: WG2156391-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/25 17:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1558360	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2156391-4	Date Collected	: NA
Client ID	: WG2156391-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/25 17:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1558360	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
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	Lab Number	: L2577500
Project Name	: BELLE HARBOR	Project Number	: 195601412
Lab ID	: WG2156391-4	Date Collected	: NA
Client ID	: WG2156391-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/19/25 17:13
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R1558360	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752986.D
Acq On : 18 Dec 2025 5:41 PM
Operator : AIRLAB17:TPH
Sample : L2577500-01,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	344311	10.000	ppbV	-0.07
Standard Area = 341577			Recovery = 100.80%			
43) 1,4-difluorobenzene	10.990	114	830029	10.000	ppbV	-0.06
Standard Area = 849055			Recovery = 97.76%			
67) chlorobenzene-D5	15.758	54	135099	10.000	ppbV	-0.05
Standard Area = 140112			Recovery = 96.42%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.844	85	22253	0.459	ppbV	100
6) chloromethane	4.000	50	10361	0.476	ppbV	99
7) Freon-114	4.102		0	N.D.		
10) 1,3-butadiene	4.354	54	1121	0.057	ppbV	98
13) bromomethane	4.618		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.918	31	157147	7.943	ppbV	97
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.410	43	226355m	6.776	ppbV	
21) trichlorofluoromethane	5.597	101	8579	0.180	ppbV	95
22) isopropyl alcohol	5.693	45	51217	1.351	ppbV	98
27) tertiary butyl alcohol	6.360		0	N.D.		
28) methylene chloride	6.408	49	5180	0.182	ppbV	96
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	0.000		0	N.D.		
31) Freon 113	6.714	101	2879	0.056	ppbV	93
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	8.125	43	8763	0.166	ppbV	98
38) Ethyl Acetate	8.892	61	1296	0.134	ppbV #	29
39) chloroform	8.925		0	N.D.		
40) Tetrahydrofuran	9.408	42	2036	0.072	ppbV #	91
42) 1,2-dichloroethane	9.758		0	N.D.		
44) hexane	8.850	57	17994	0.452	ppbV #	13
50) benzene	10.563	78	27232	0.393	ppbV	100
53) cyclohexane	10.883	56	5714	0.136	ppbV	90
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752986.D
Acq On : 18 Dec 2025 5:41 PM
Operator : AIRLAB17:TPH
Sample : L2577500-01,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

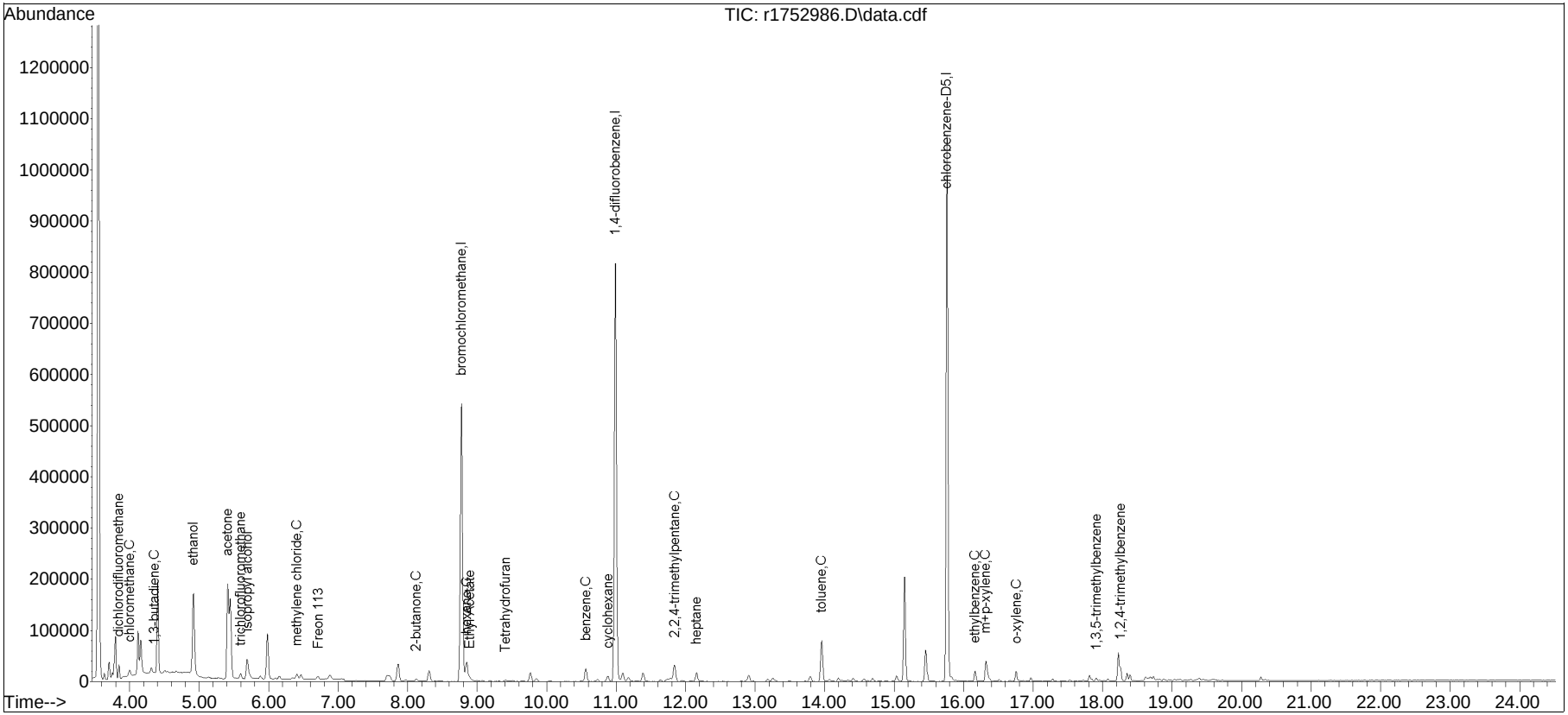
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	11.830		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.843	57	35265	0.274	ppbV		93
62)	heptane	12.157	43	10095	0.239	ppbV	#	90
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.908		0	N.D.			
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	13.958	91	62946	0.676	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.			
80)	chlorobenzene	15.825		0	N.D.			
81)	ethylbenzene	16.167	91	16649	0.141	ppbV		97
83)	m+p-xylene	16.317	91	34218	0.365	ppbV		95
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.667		0	N.D.			
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87)	o-xylene	16.758	91	13123	0.140	ppbV		95
96)	4-ethyl toluene	17.842		0	N.D.			
97)	1,3,5-trimethylbenzene	17.908	105	3483	0.035	ppbV		98
99)	1,2,4-trimethylbenzene	18.258	105	12273	0.124	ppbV	#	54
101)	Benzyl Chloride	18.450		0	N.D.			
102)	1,3-dichlorobenzene	18.458		0	N.D.			
103)	1,4-dichlorobenzene	18.458		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.333		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

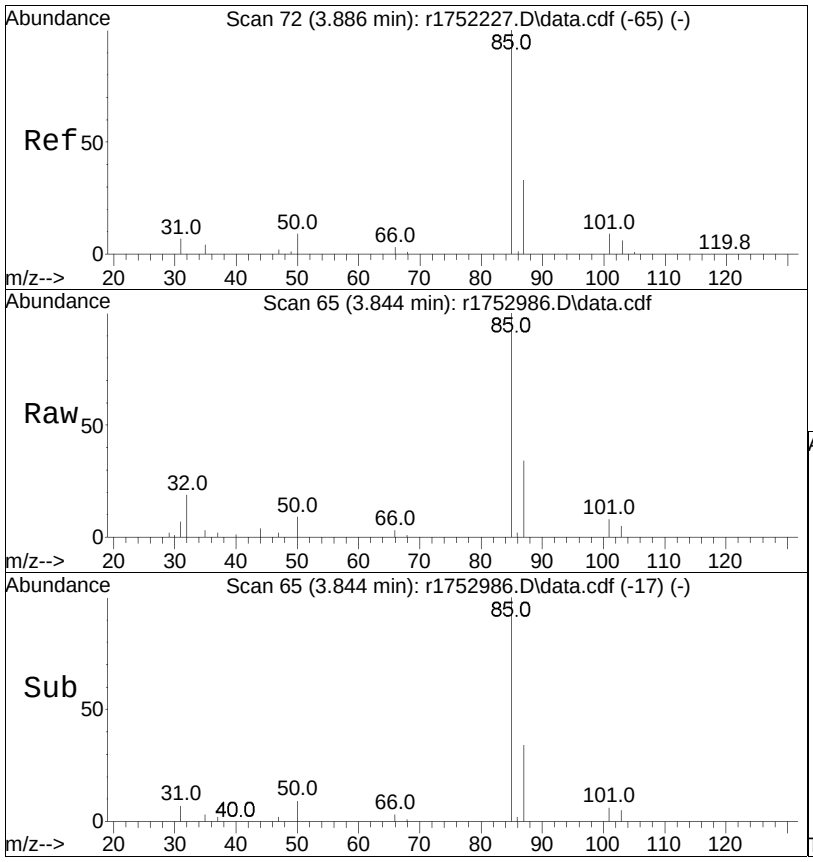
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752986.D
Acq On : 18 Dec 2025 5:41 PM
Operator : AIRLAB17:TPH
Sample : L2577500-01,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

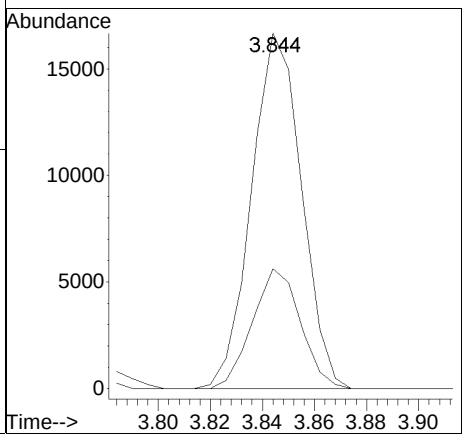


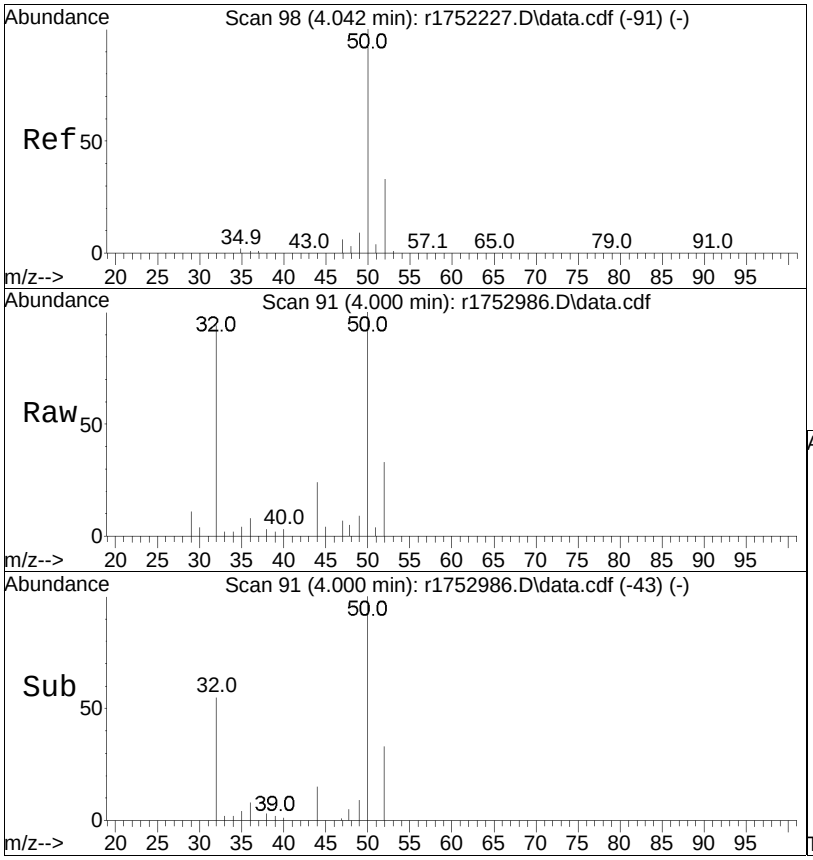


#5
dichlorodifluoromethane
Concen: 0.46 ppbV
RT: 3.844 min Scan# 65
Delta R.T. -0.042 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 85 Resp: 22253

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.7	40.1

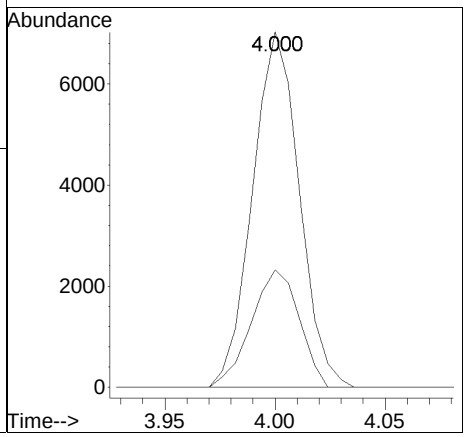


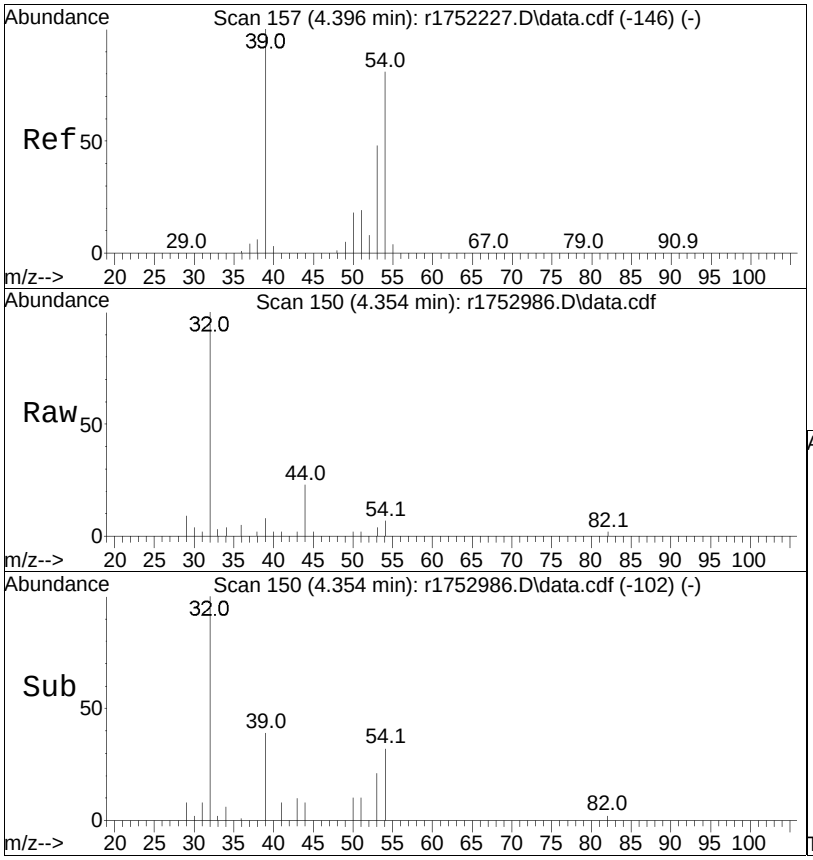


#6
chloromethane
Concen: 0.48 ppbV
RT: 4.000 min Scan# 91
Delta R.T. -0.042 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 50 Resp: 10361

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

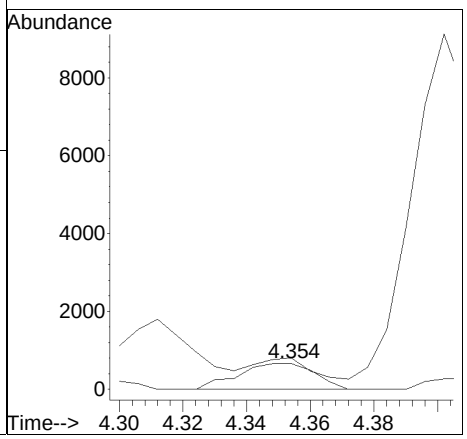


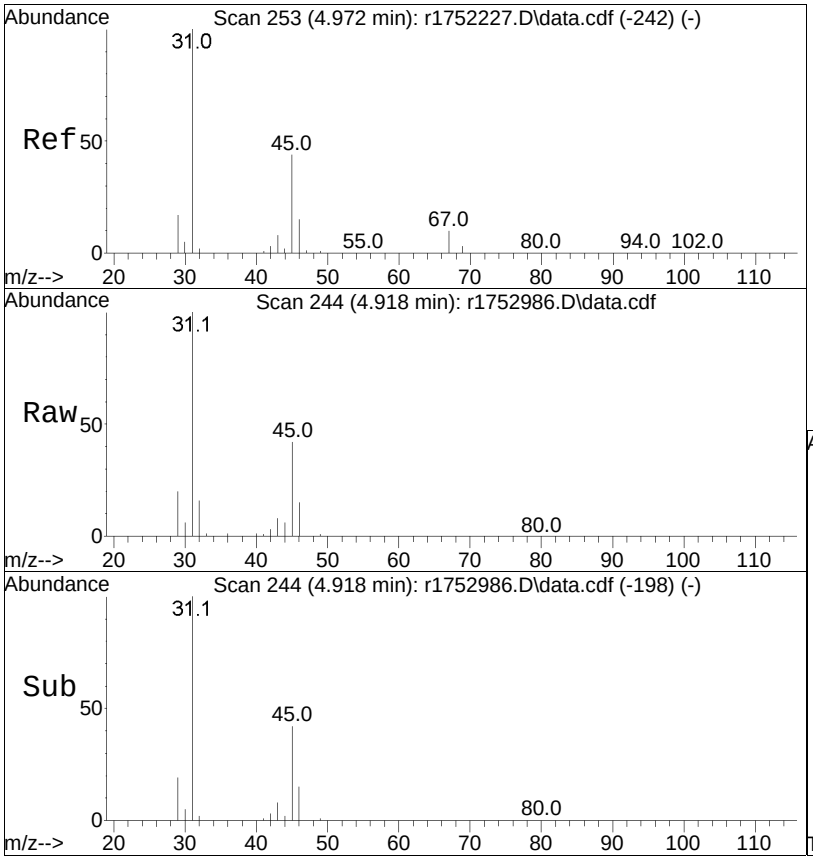


#10
1,3-butadiene
Concen: 0.06 ppbV
RT: 4.354 min Scan# 150
Delta R.T. -0.042 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 54 Resp: 1121

Ion	Ratio	Lower	Upper
54	100		
39	122.2	99.8	149.8

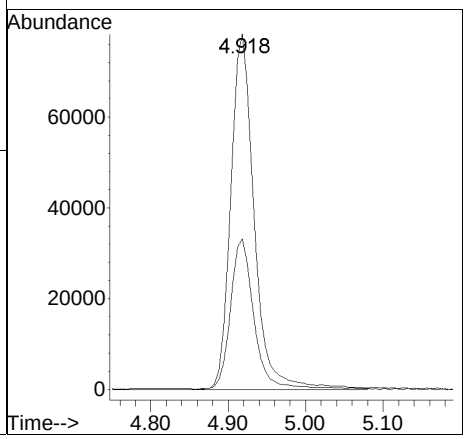


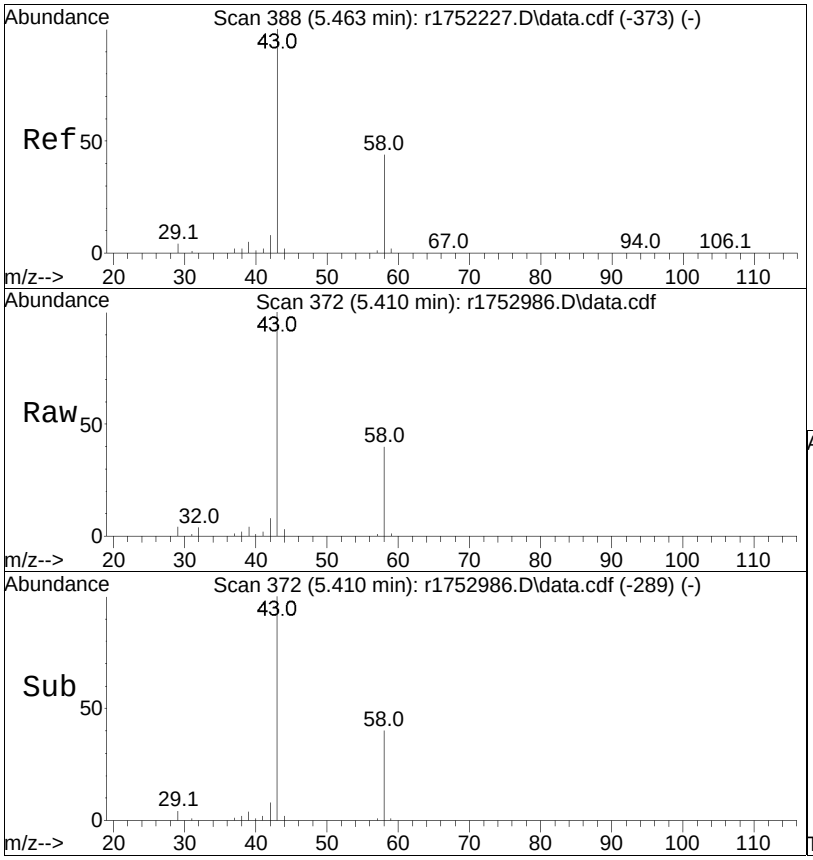


#15
ethanol
Concen: 7.94 ppbV
RT: 4.918 min Scan# 244
Delta R.T. -0.054 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 31 Resp: 157147

Ion	Ratio	Lower	Upper
31	100		
45	42.4	35.3	52.9

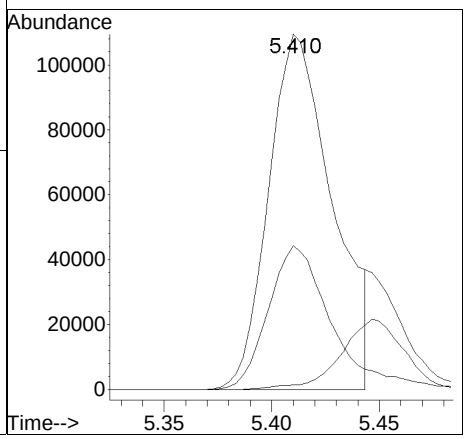


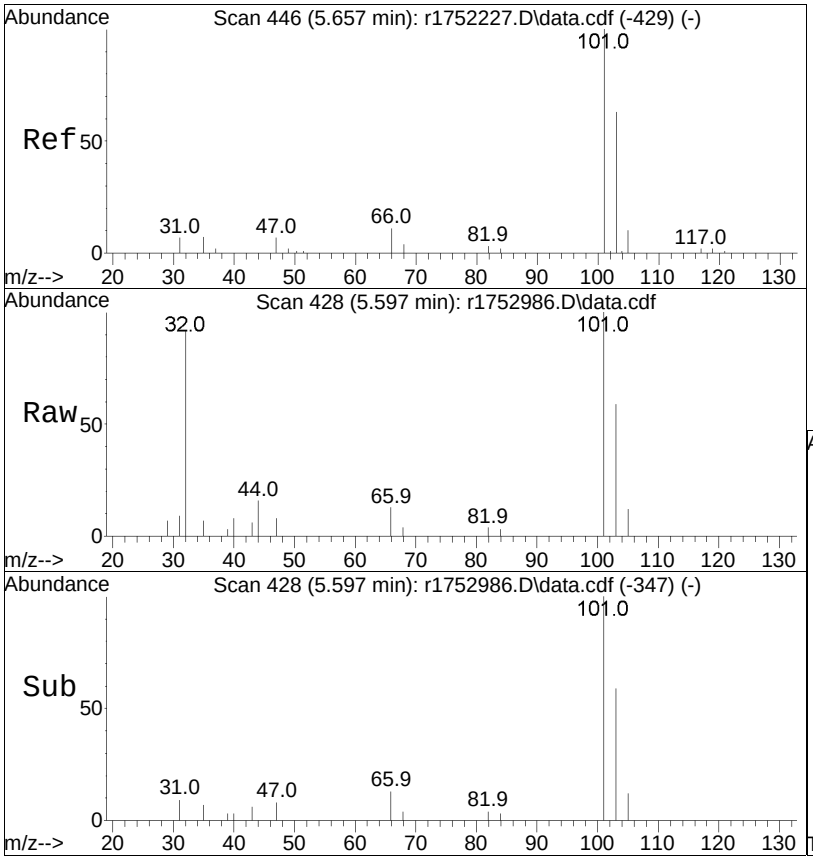


#19
acetone
Concen: 6.78 ppbV m
RT: 5.410 min Scan# 372
Delta R.T. -0.053 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 43 Resp: 226355

Ion	Ratio	Lower	Upper
43	100		
58	40.4	35.1	52.7
57	1.3	0.9	1.3

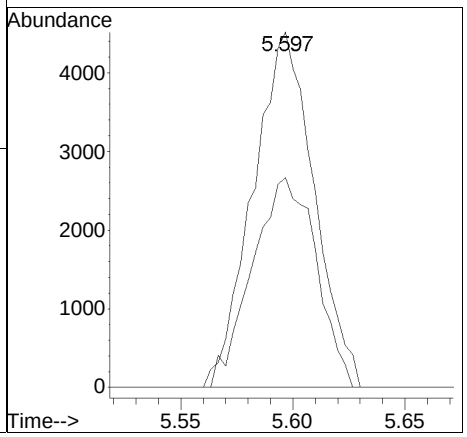


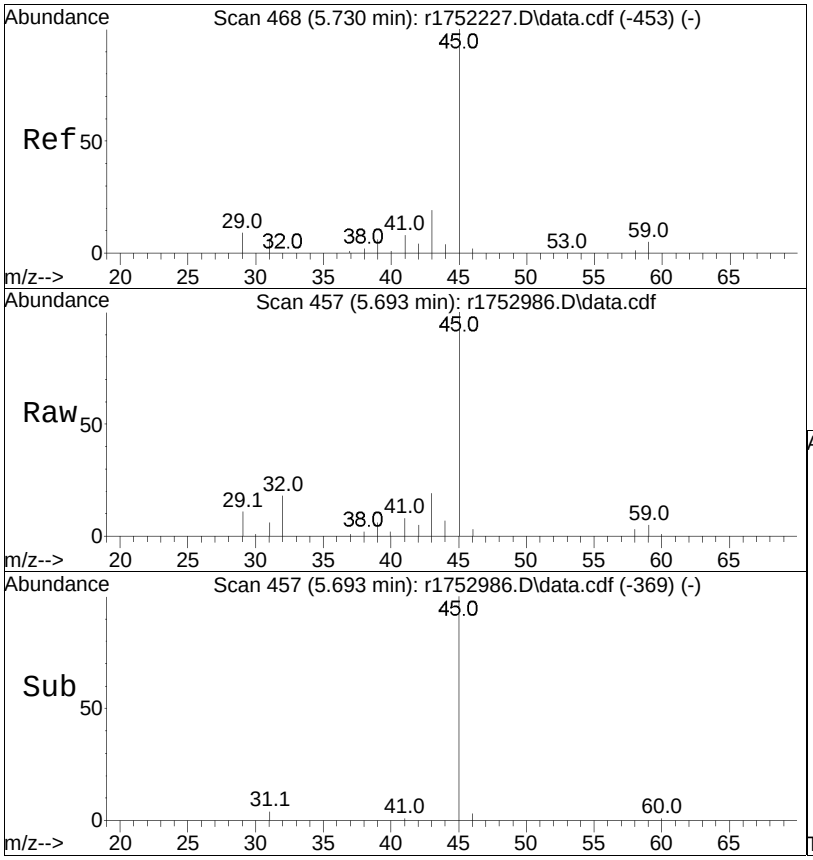


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.597 min Scan# 428
Delta R.T. -0.060 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:101 Resp: 8579

Ion	Ratio	Lower	Upper
101	100		
103	59.0	50.2	75.2

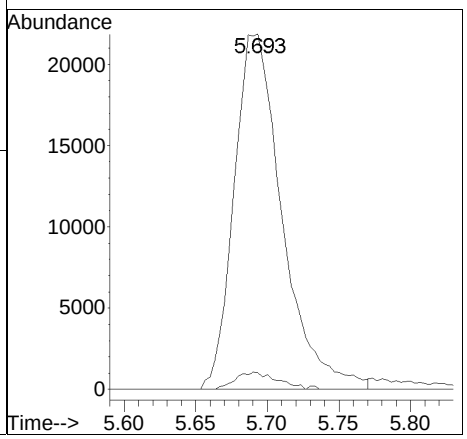


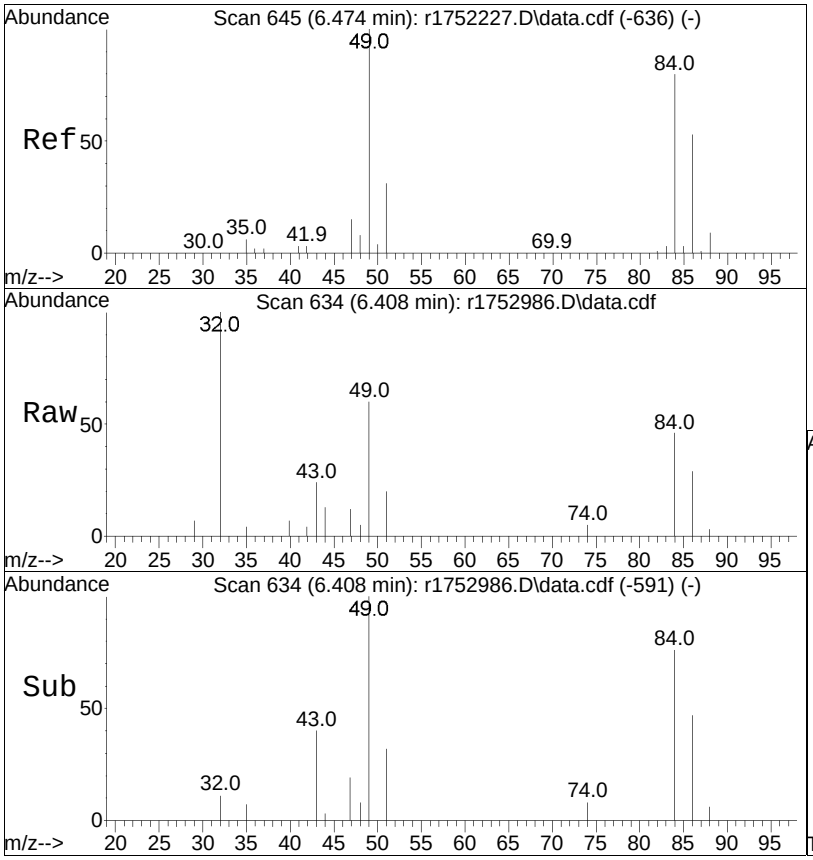


#22
isopropyl alcohol
Concen: 1.35 ppbV
RT: 5.693 min Scan# 457
Delta R.T. -0.037 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 45 Resp: 51217

Ion	Ratio	Lower	Upper
45	100		
59	4.7	4.2	6.2

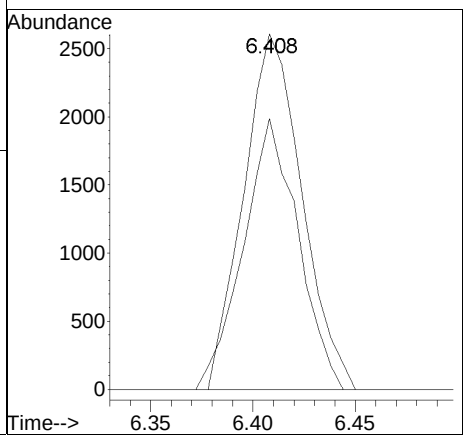


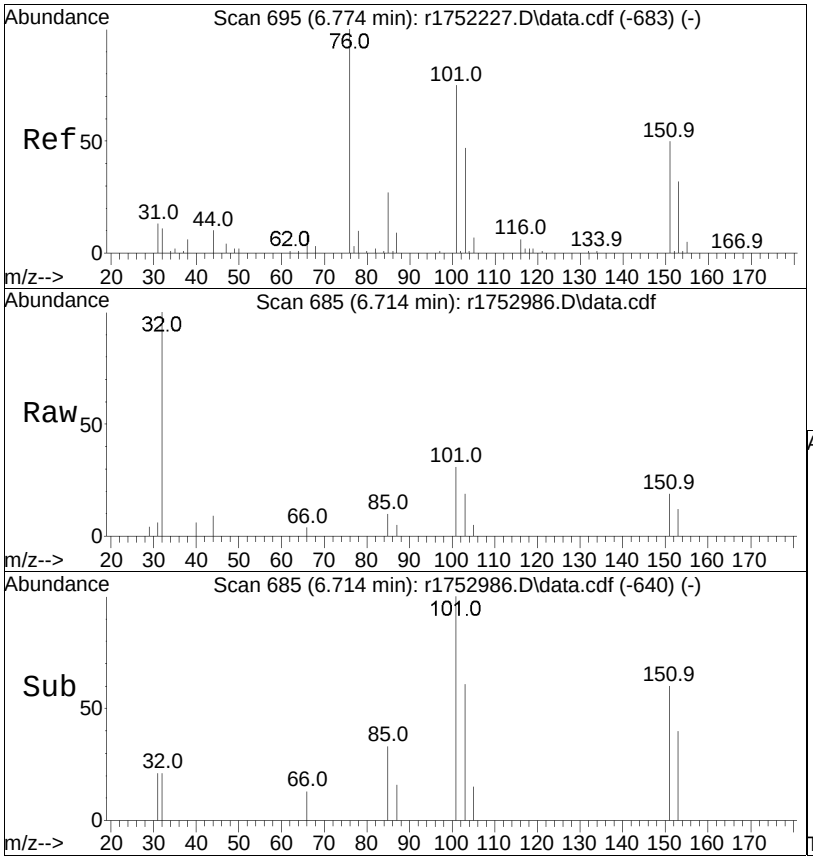


#28
methylene chloride
Concen: 0.18 ppbV
RT: 6.408 min Scan# 634
Delta R.T. -0.066 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 49 Resp: 5180

Ion	Ratio	Lower	Upper
49	100		
84	76.3	64.2	96.2

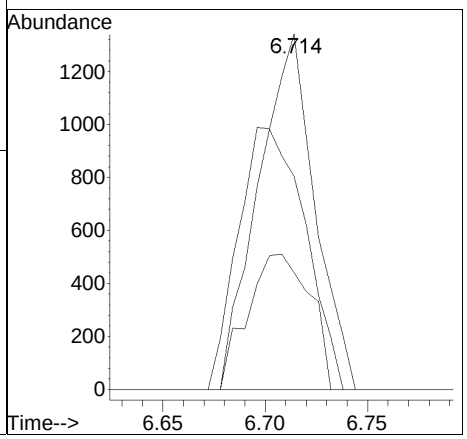


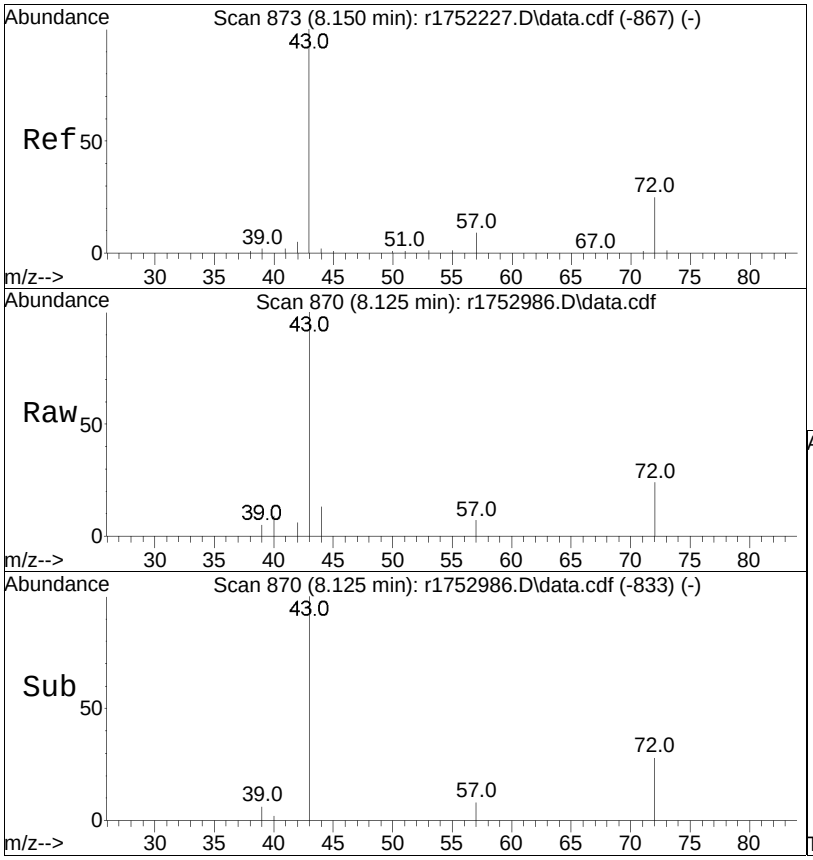


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.714 min Scan# 685
Delta R.T. -0.060 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:101 Resp: 2879

Ion	Ratio	Lower	Upper
101	100		
85	32.9	28.9	43.3
151	60.0	53.3	79.9

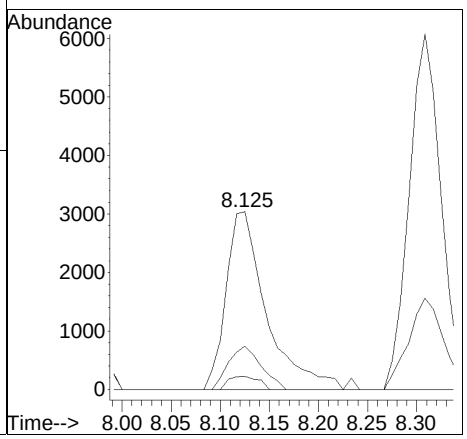


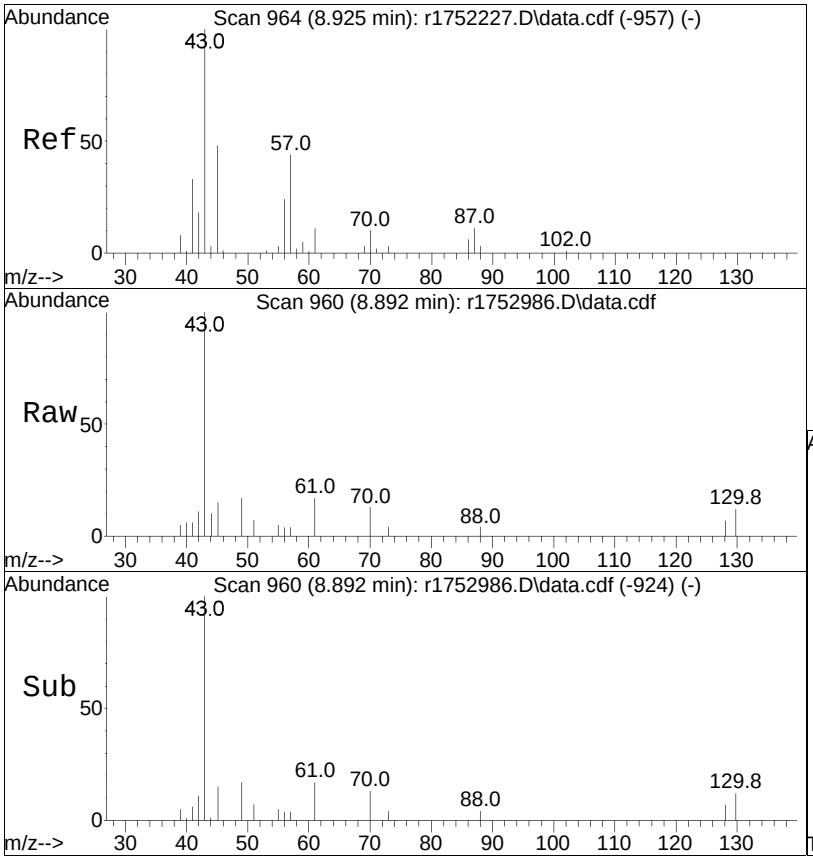


#36
2-butanone
Concen: 0.17 ppbV
RT: 8.125 min Scan# 870
Delta R.T. -0.025 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 43 Resp: 8763

Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.9	29.9
57	7.3	7.2	10.8

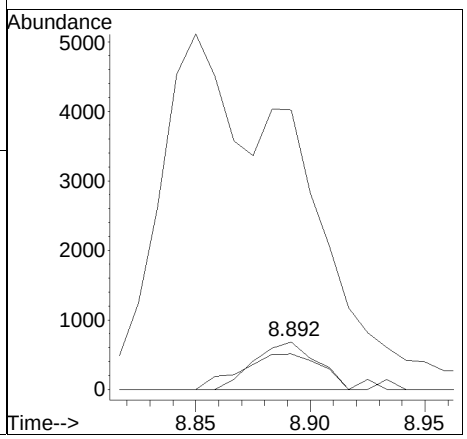


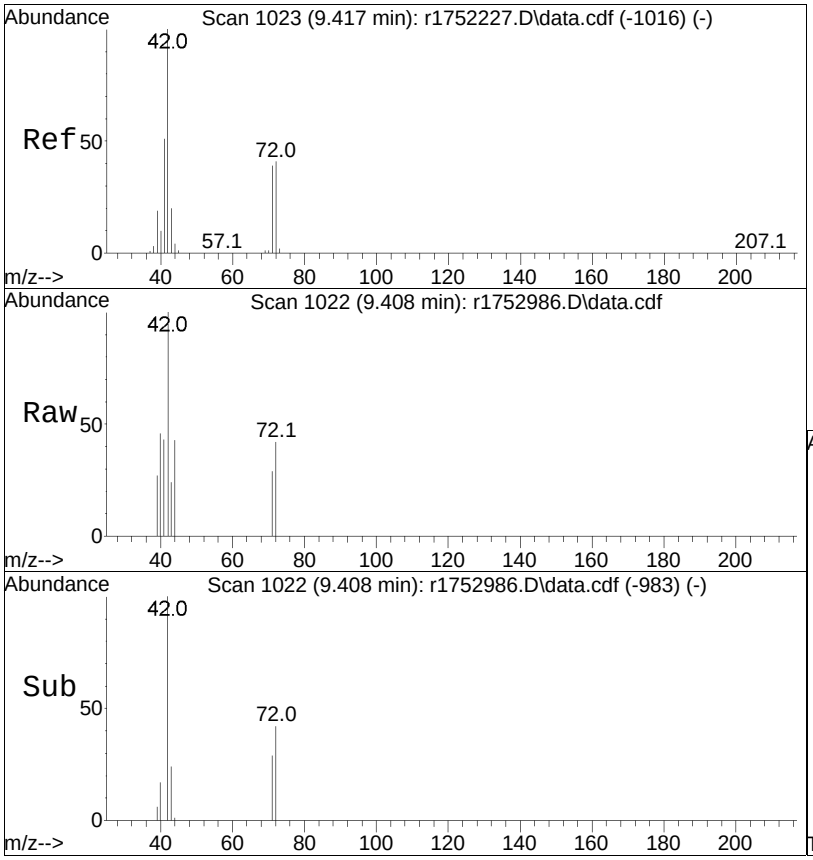


#38
Ethyl Acetate
Concen: 0.13 ppbV
RT: 8.892 min Scan# 960
Delta R.T. -0.033 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 61 Resp: 1296

Ion	Ratio	Lower	Upper
61	100		
70	74.8	68.4	102.6
43	589.0	727.4	1091.2#

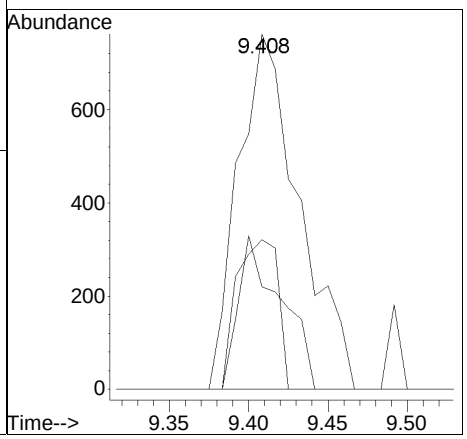


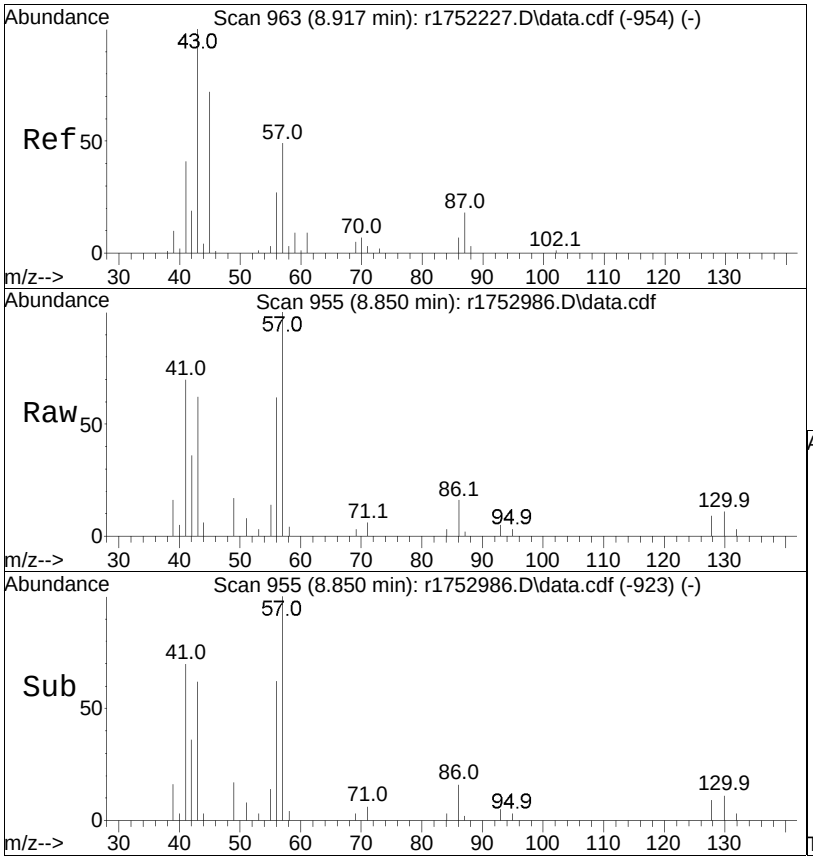


#40
Tetrahydrofuran
Concen: 0.07 ppbV
RT: 9.408 min Scan# 1022
Delta R.T. -0.008 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 42 Resp: 2036

Ion	Ratio	Lower	Upper
42	100		
71	28.9	30.8	46.2#
72	42.1	32.9	49.3

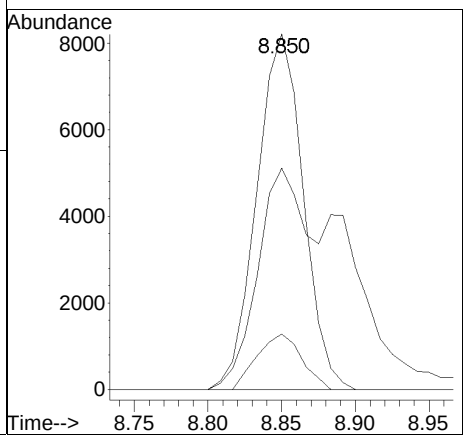


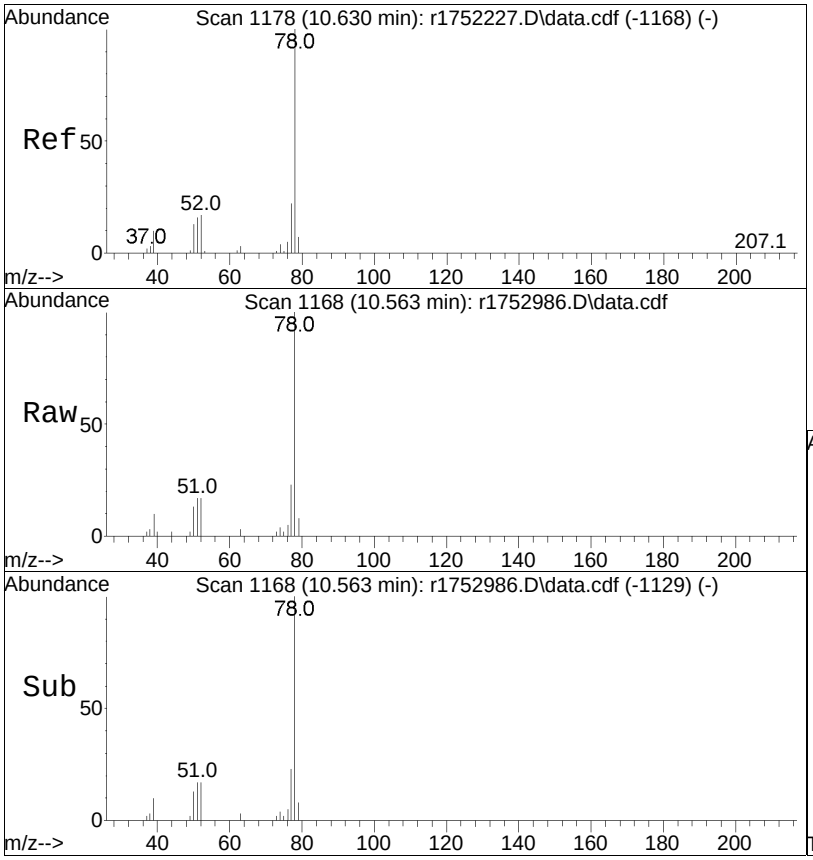


#44
hexane
Concen: 0.45 ppbV
RT: 8.850 min Scan# 955
Delta R.T. -0.067 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 57 Resp: 17994

Ion	Ratio	Lower	Upper
57	100		
43	62.2	163.5	245.3#
86	15.6	11.7	17.5

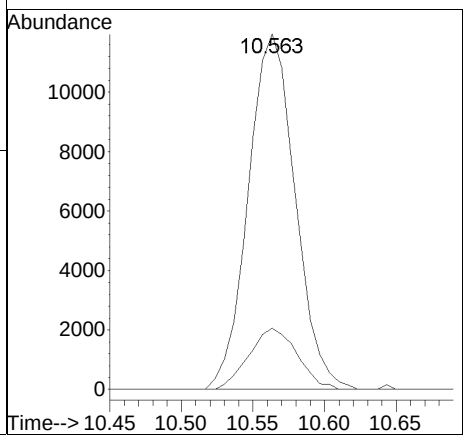


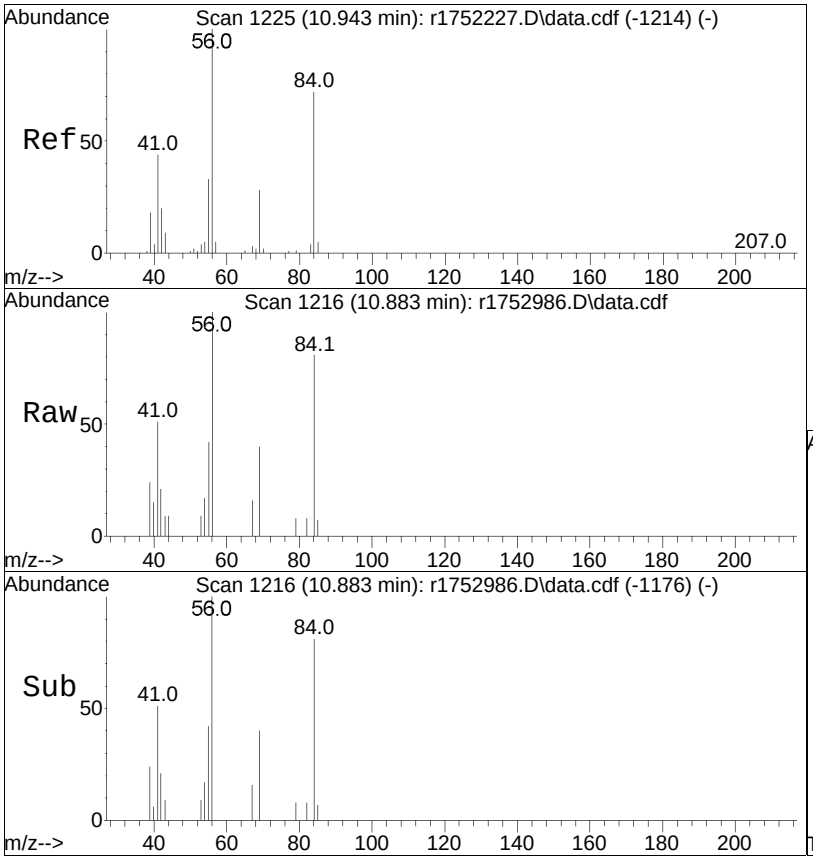


#50
benzene
Concen: 0.39 ppbV
RT: 10.563 min Scan# 1168
Delta R.T. -0.067 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 78 Resp: 27232

Ion	Ratio	Lower	Upper
78	100		
52	17.2	13.8	20.8

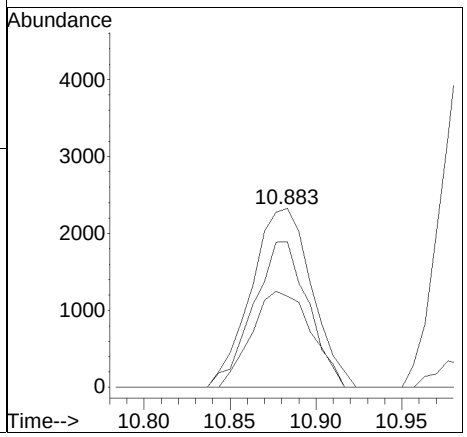


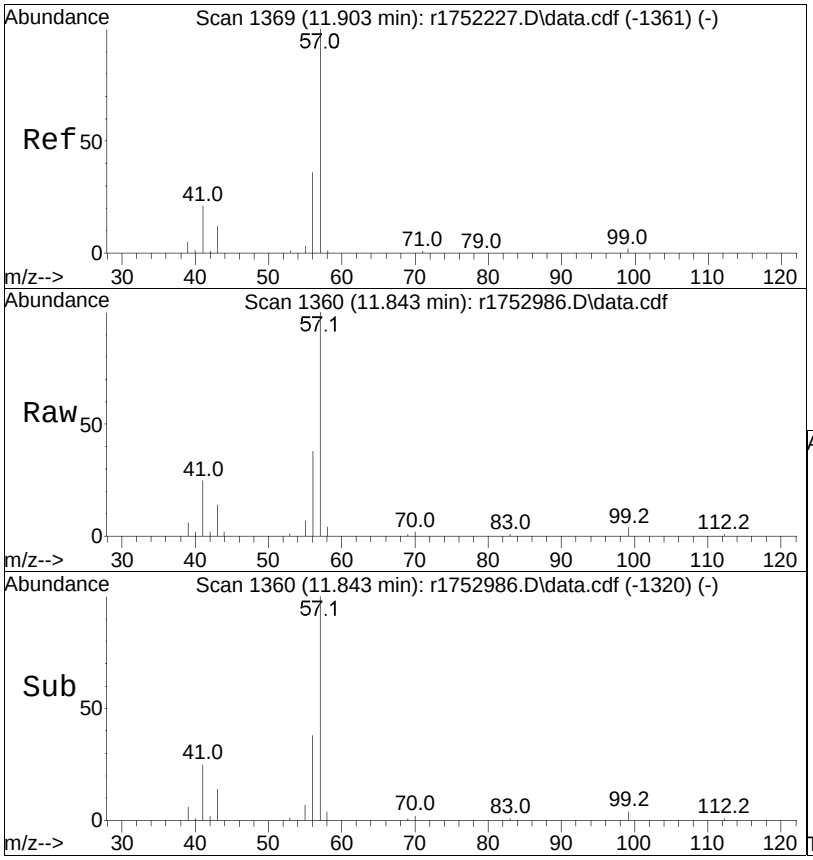


#53
cyclohexane
Concen: 0.14 ppbV
RT: 10.883 min Scan# 1216
Delta R.T. -0.060 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 56 Resp: 5714

Ion	Ratio	Lower	Upper
56	100		
84	81.3	57.8	86.8
41	50.9	35.5	53.3

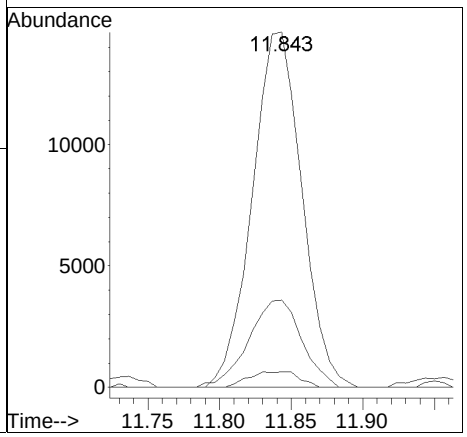


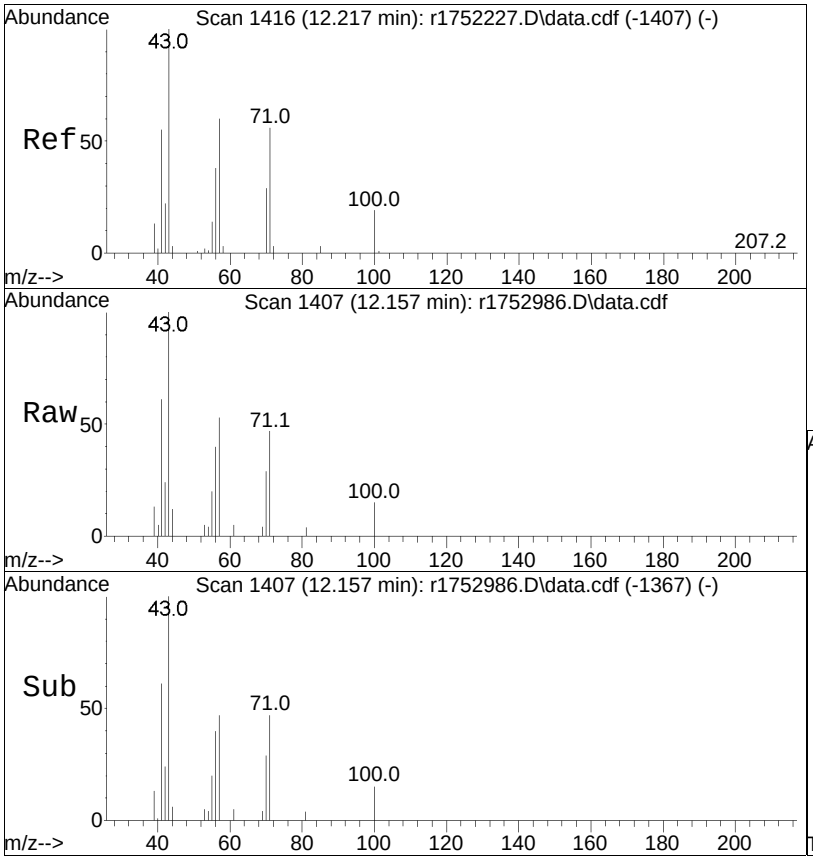


#60
2,2,4-trimethylpentane
Concen: 0.27 ppbV
RT: 11.843 min Scan# 1360
Delta R.T. -0.060 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 57 Resp: 35265

Ion	Ratio	Lower	Upper
57	100		
99	4.4	3.8	5.8
41	24.6	16.5	24.7

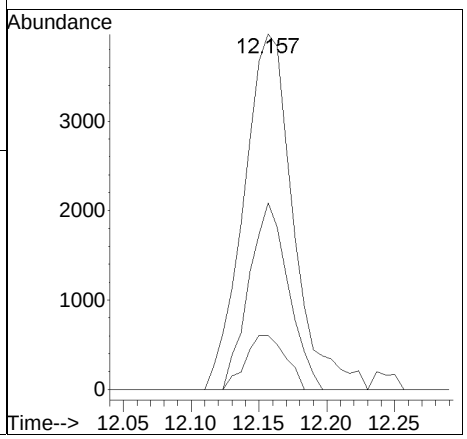


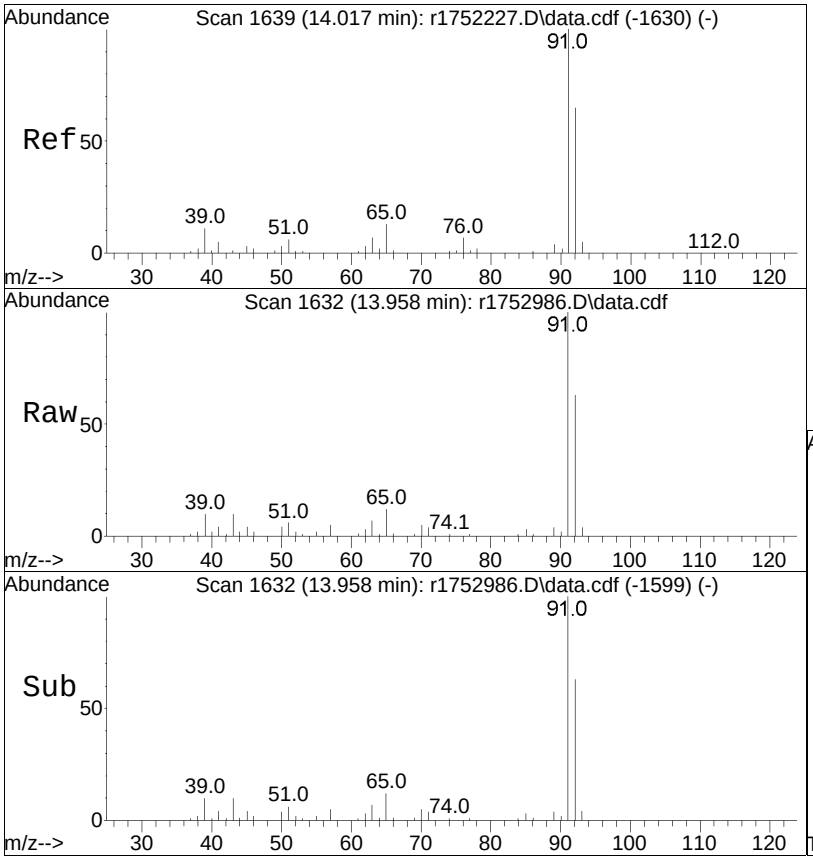


#62
heptane
Concen: 0.24 ppbV
RT: 12.157 min Scan# 1407
Delta R.T. -0.060 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 43 Resp: 10095

Ion	Ratio	Lower	Upper
43	100		
57	52.5	48.3	72.5
100	15.2	15.4	23.0#

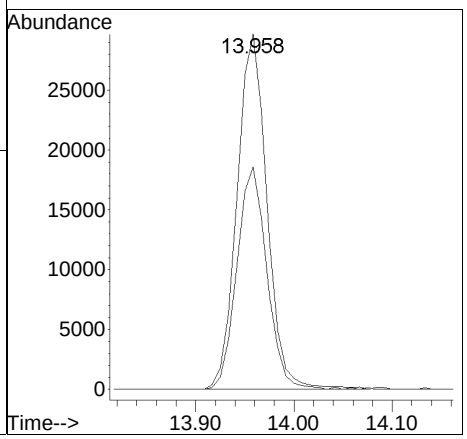


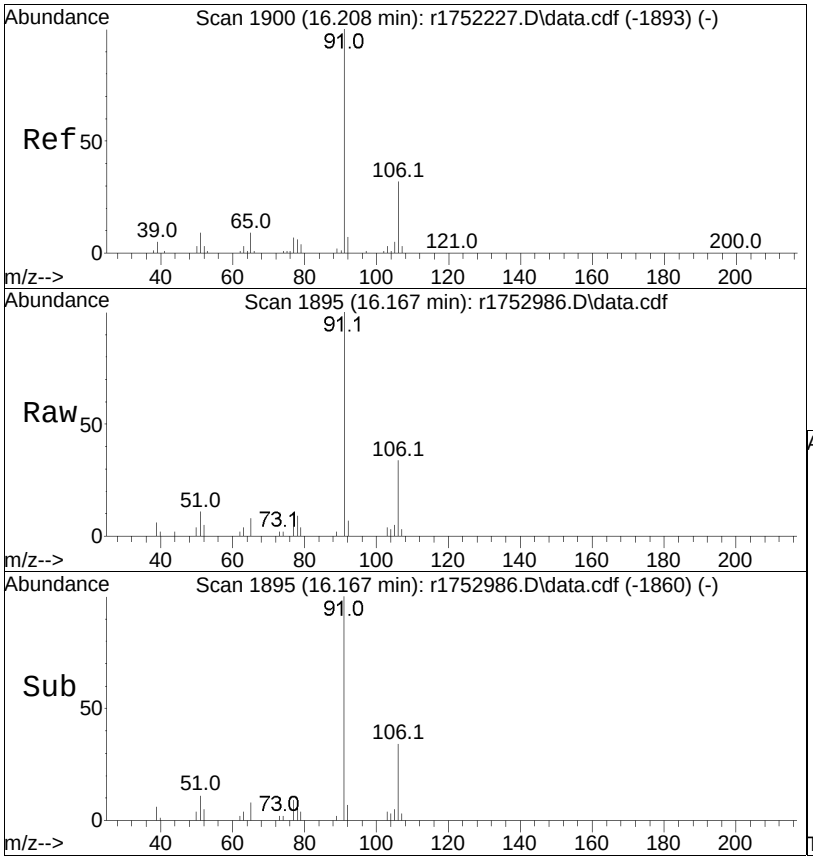


#68
toluene
Concen: 0.68 ppbV
RT: 13.958 min Scan# 1632
Delta R.T. -0.058 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 91 Resp: 62946

Ion	Ratio	Lower	Upper
91	100		
92	62.6	51.9	77.9

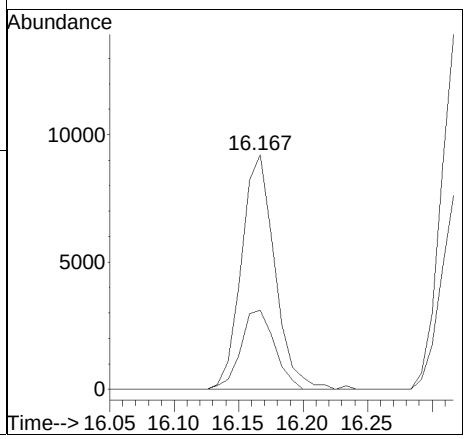


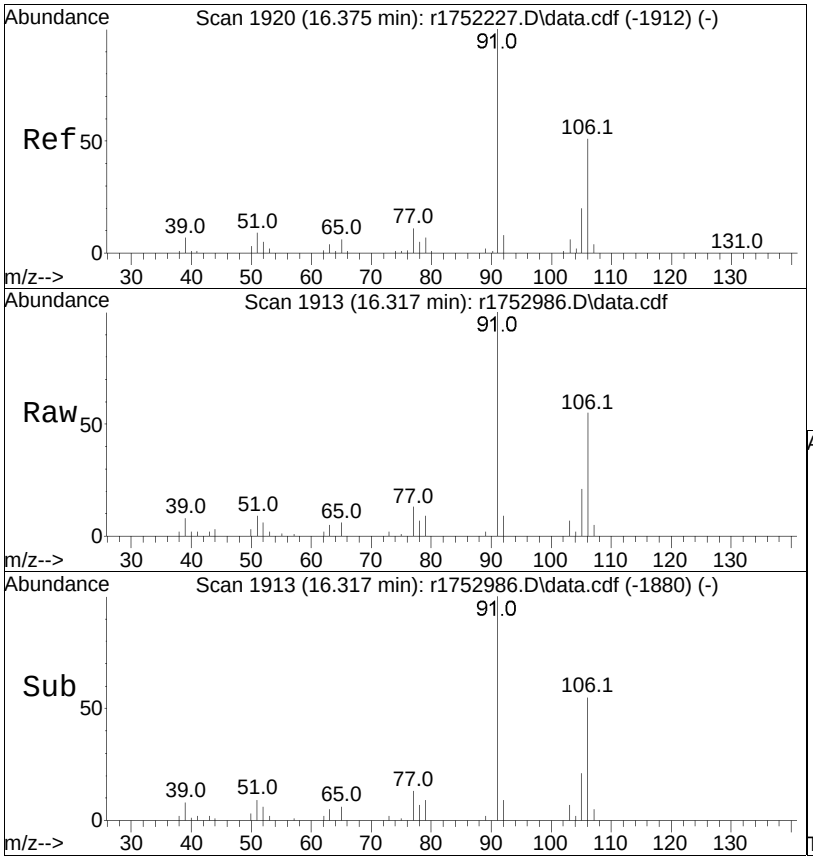


#81
ethylbenzene
Concen: 0.14 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 91 Resp: 16649

Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.7	38.5

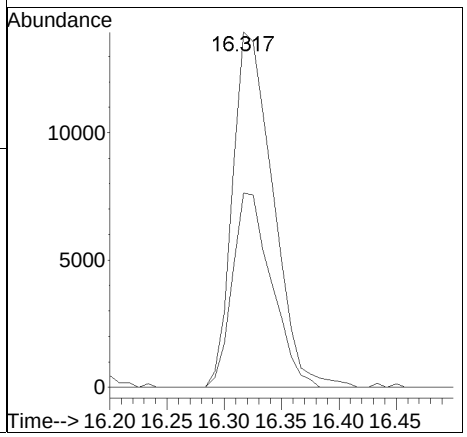


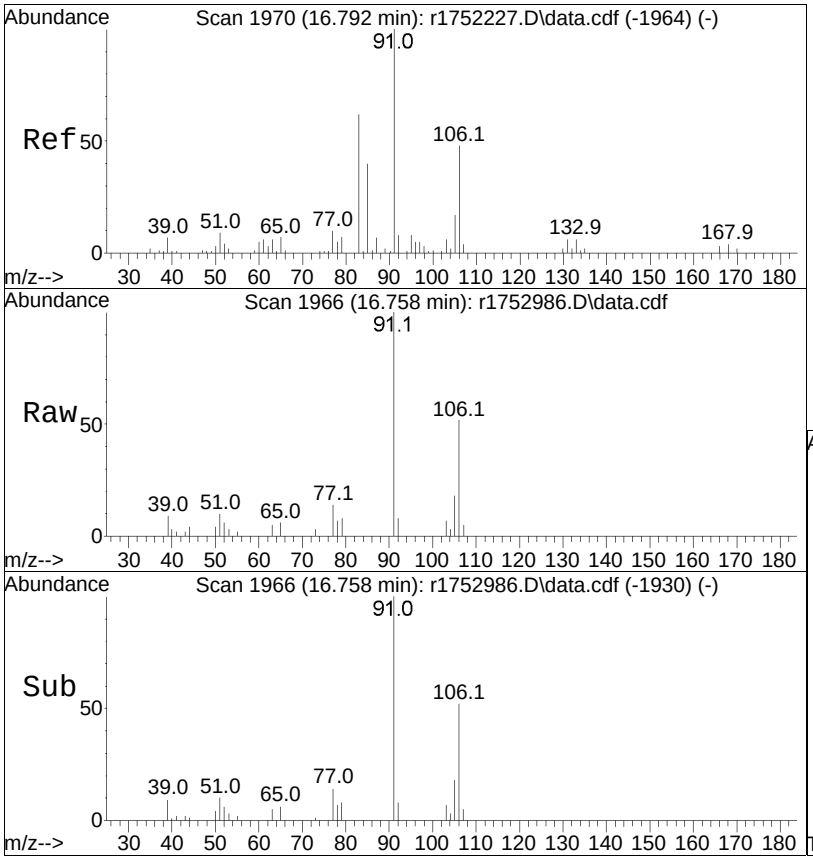


#83
m+p-xylene
Concen: 0.37 ppbV
RT: 16.317 min Scan# 1913
Delta R.T. -0.058 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 91 Resp: 34218

Ion	Ratio	Lower	Upper
91	100		
106	54.7	41.1	61.7

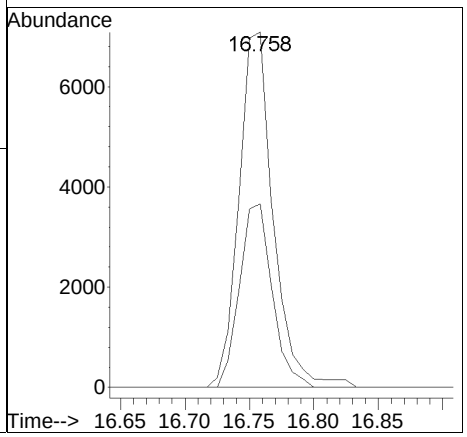


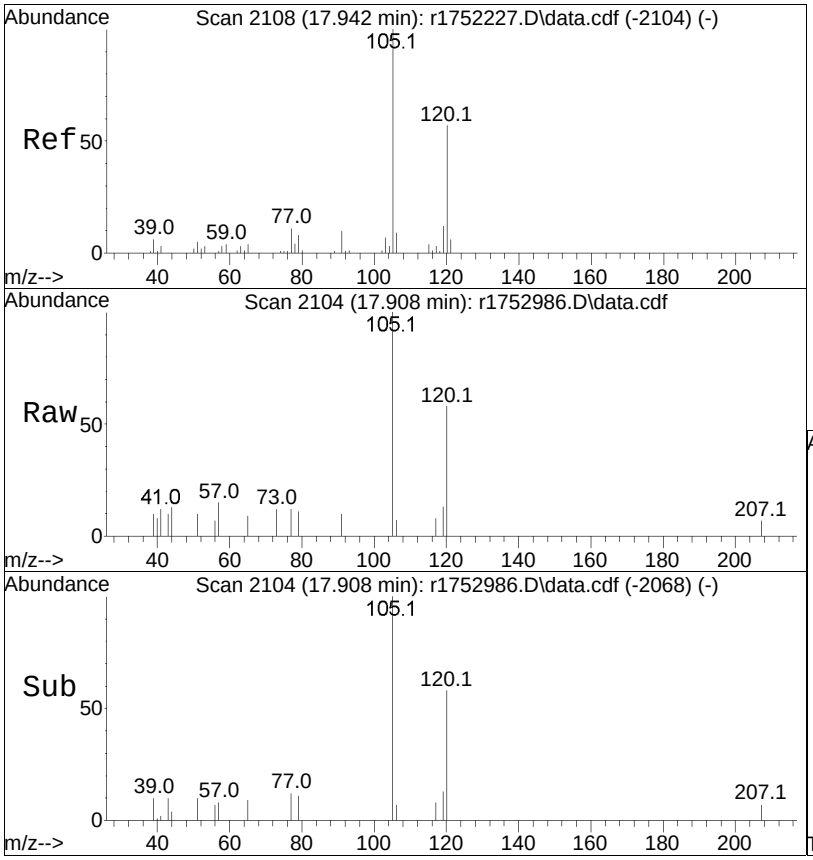


#87
o-xylene
Concen: 0.14 ppbV
RT: 16.758 min Scan# 1966
Delta R.T. -0.033 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion: 91 Resp: 13123

Ion	Ratio	Lower	Upper
91	100		
106	51.7	38.4	57.6

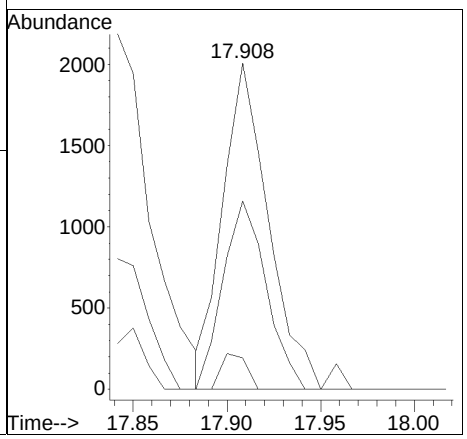


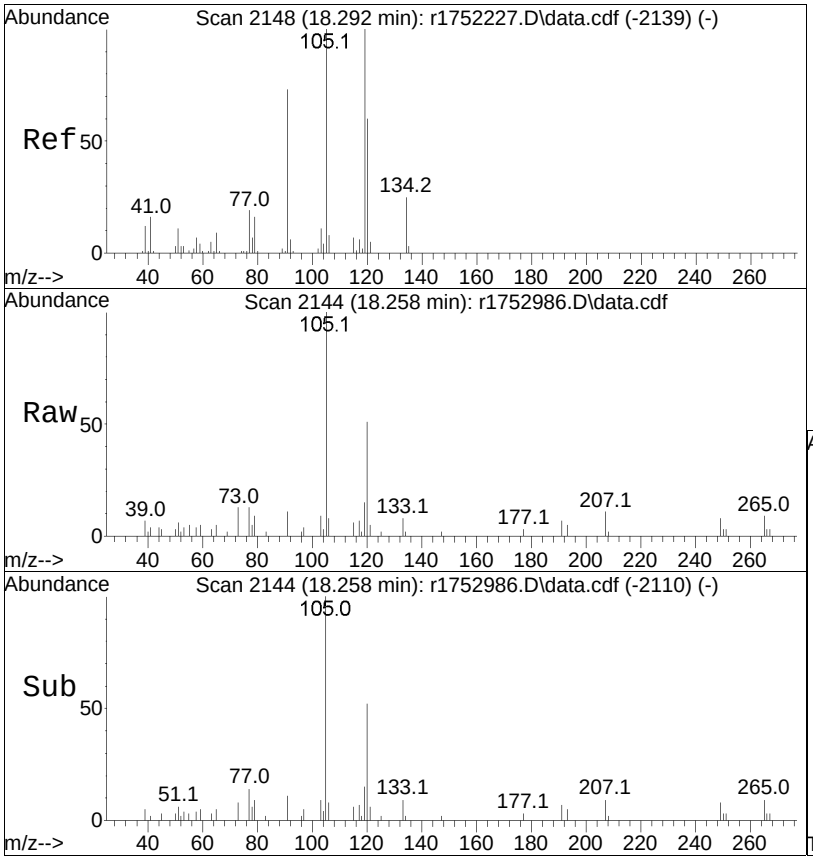


#97
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 17.908 min Scan# 2104
Delta R.T. -0.033 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:105 Resp: 3483

Ion	Ratio	Lower	Upper
105	100		
120	57.8	45.1	67.7
91	9.7	8.0	12.0

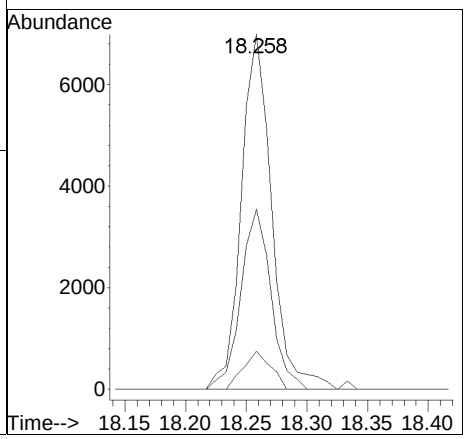




#99
1,2,4-trimethylbenzene
Concen: 0.12 ppbV
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752986.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:105 Resp: 12273

Ion	Ratio	Lower	Upper
105	100		
120	50.7	48.0	72.0
91	10.7	58.3	87.5#

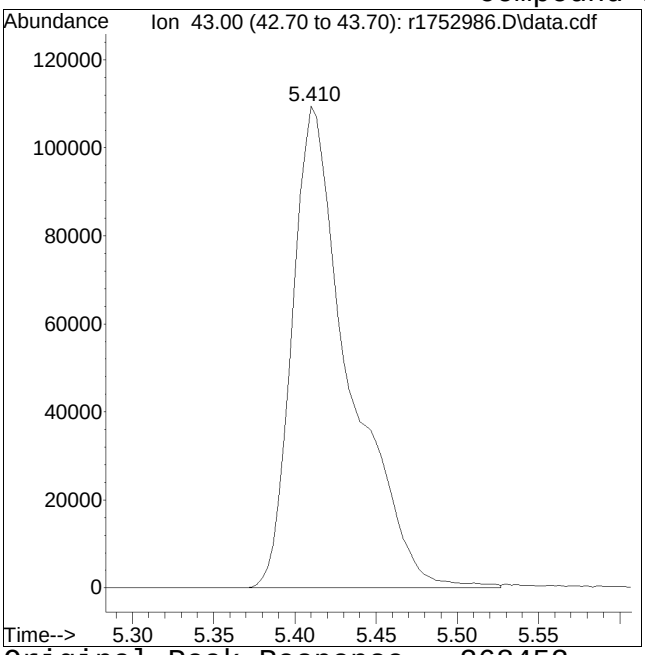


Manual Integration Report

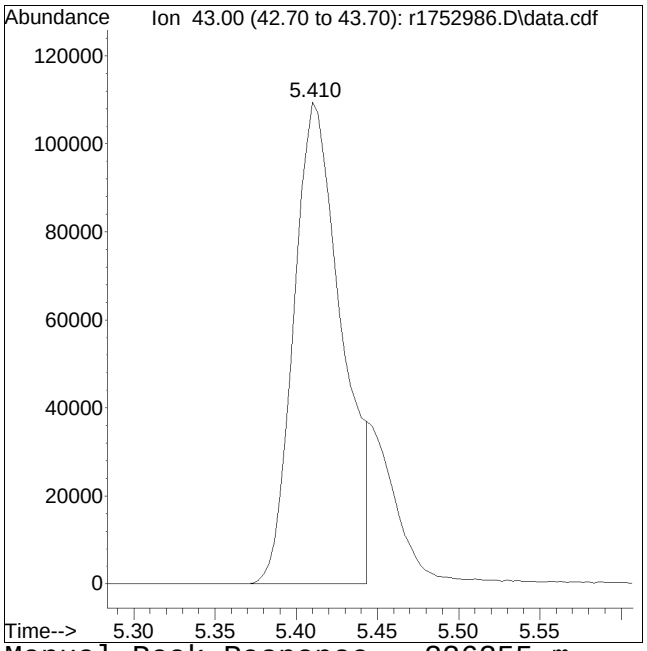
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752986.D
Date Inj'd : 12/18/2025 5:41 PM
Sample : L2577500-01,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:18 am

Compound #19: acetone



Original Peak Response = 268452



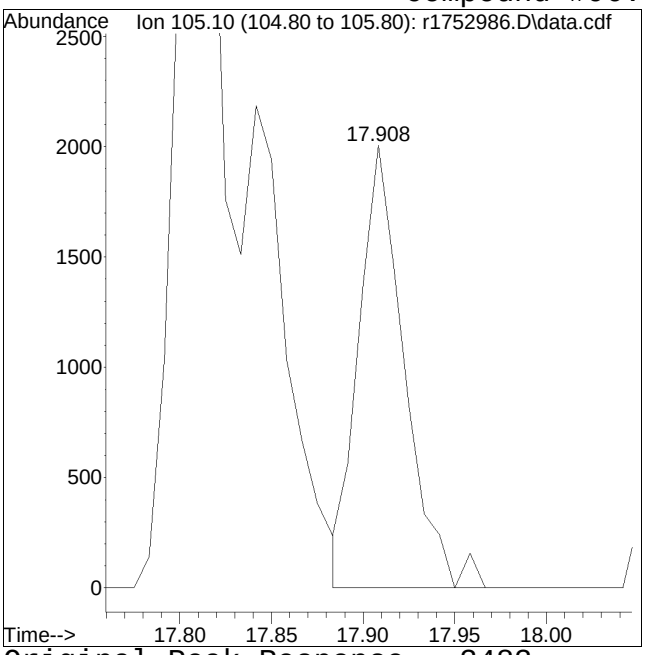
Manual Peak Response = 226355 m

Manual Integration Report

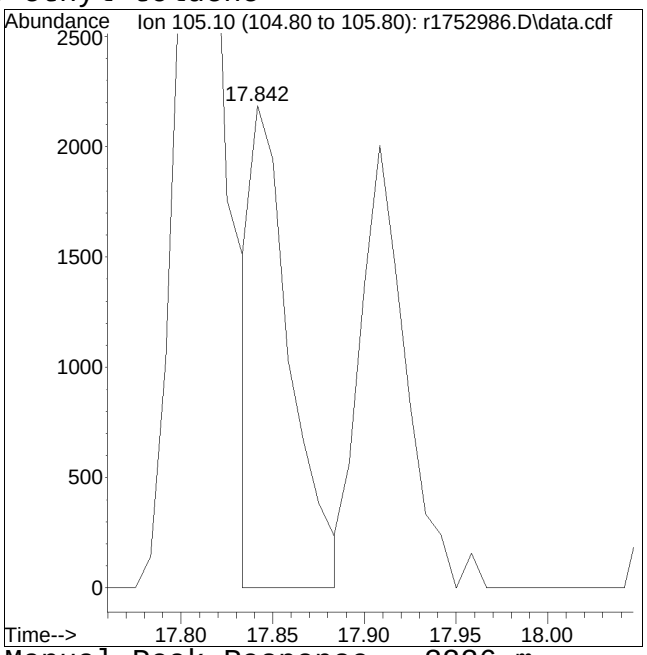
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752986.D
Date Inj'd : 12/18/2025 5:41 PM
Sample : L2577500-01,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:18 am

Compound #96: 4-ethyl toluene



Original Peak Response = 3483



Manual Peak Response = 3226 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752987.D
Acq On : 18 Dec 2025 6:18 PM
Operator : AIRLAB17:TPH
Sample : L2577500-02,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	308347	10.000	ppbV	-0.06
Standard Area = 341577			Recovery =		90.27%	
43) 1,4-difluorobenzene	10.997	114	721179	10.000	ppbV	-0.05
Standard Area = 849055			Recovery =		84.94%	
67) chlorobenzene-D5	15.767	54	118529	10.000	ppbV	-0.04
Standard Area = 140112			Recovery =		84.60%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.856	85	33062	0.761	ppbV	99
6) chloromethane	4.006	50	10235	0.525	ppbV	98
7) Freon-114	0.000		0	N.D.		
10) 1,3-butadiene	4.360		0	N.D.		
13) bromomethane	4.630		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.936	31	2424922	136.860	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.417	43	481847m	16.108	ppbV	
21) trichlorofluoromethane	5.603	101	8560	0.201	ppbV	98
22) isopropyl alcohol	5.697	45	106815	3.146	ppbV	98
27) tertiary butyl alcohol	6.348	59	2349	0.048	ppbV #	64
28) methylene chloride	6.420	49	5172	0.203	ppbV #	82
29) 3-chloropropene	6.486		0	N.D.		
30) carbon disulfide	6.714		0	N.D.		
31) Freon 113	6.714	101	2707	0.059	ppbV #	92
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.692		0	N.D.		
36) 2-butanone	8.117	43	10359	0.219	ppbV	94
38) Ethyl Acetate	8.883	61	2252	0.260	ppbV #	53
39) chloroform	8.933	83	1490	0.037	ppbV	94
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.758		0	N.D.		
44) hexane	8.858	57	7363	0.213	ppbV #	34
50) benzene	10.570	78	16251	0.270	ppbV	97
53) cyclohexane	10.883	56	1871m	0.051	ppbV	
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752987.D
Acq On : 18 Dec 2025 6:18 PM
Operator : AIRLAB17:TPH
Sample : L2577500-02,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

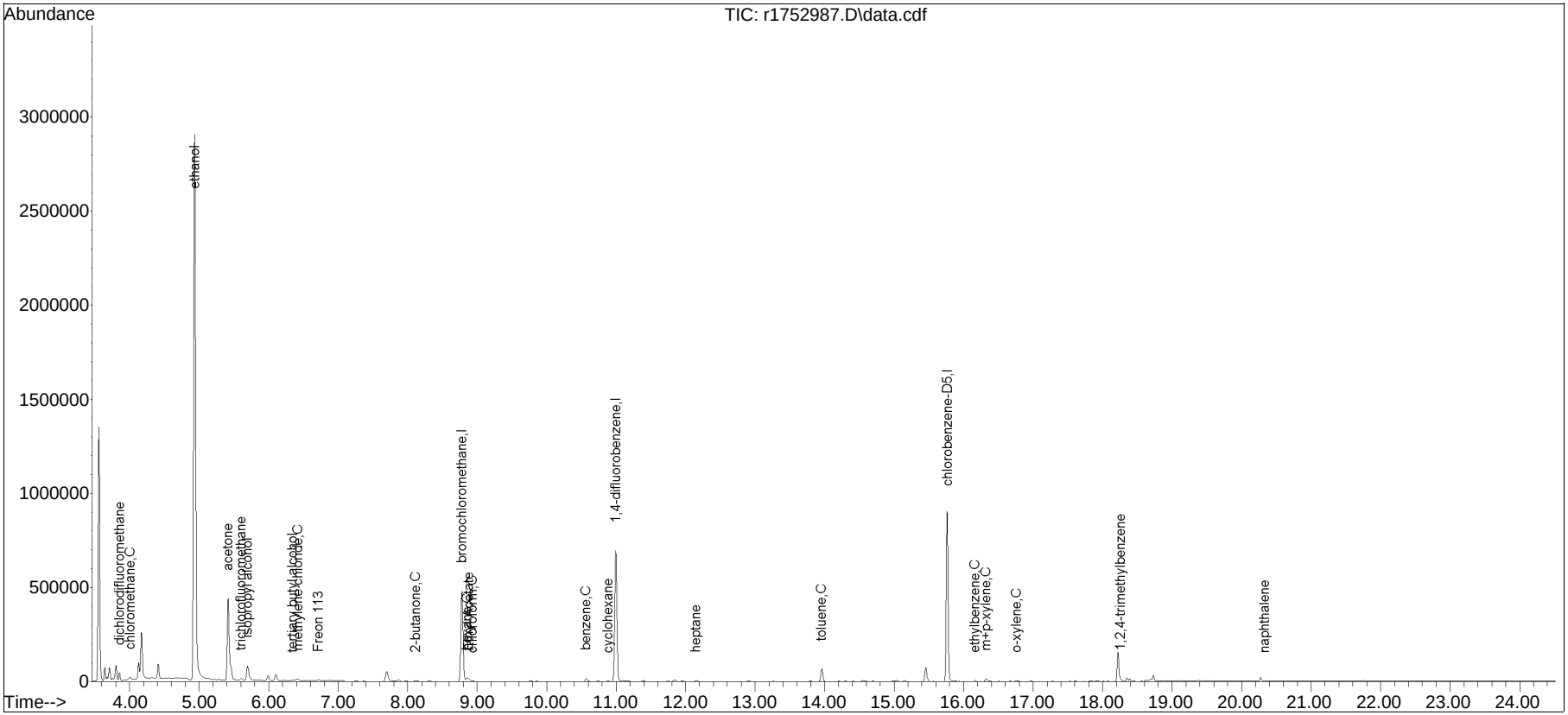
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.943		0	N.D.		
62) heptane	12.150	43	4848	0.132	ppbV #	69
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.908		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.958	91	57758	0.707	ppbV	96
72) 2-hexanone	14.250		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.800		0	N.D.		
81) ethylbenzene	16.167	91	6016	0.058	ppbV	97
83) m+p-xylene	16.325	91	12539	0.152	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.667		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.		
87) o-xylene	16.758	91	5162	0.063	ppbV	97
96) 4-ethyl toluene	17.817		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.258	105	5867	0.068	ppbV #	62
101) Benzyl Chloride	18.450		0	N.D.		
102) 1,3-dichlorobenzene	18.450		0	N.D.		
103) 1,4-dichlorobenzene	18.450		0	N.D.		
107) 1,2-dichlorobenzene	18.725		0	N.D.		
115) 1,2,4-trichlorobenzene	20.225		0	N.D.		
116) naphthalene	20.333	128	4051	0.035	ppbV #	92
119) hexachlorobutadiene	20.633		0	N.D.		

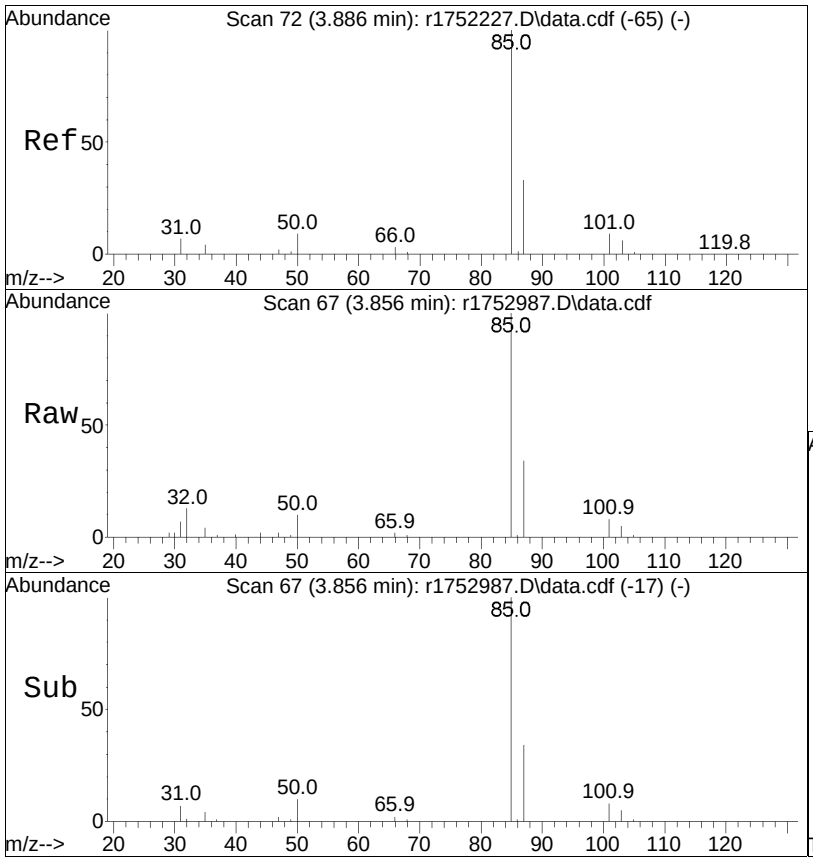
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752987.D
Acq On : 18 Dec 2025 6:18 PM
Operator : AIRLAB17:TPH
Sample : L2577500-02,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

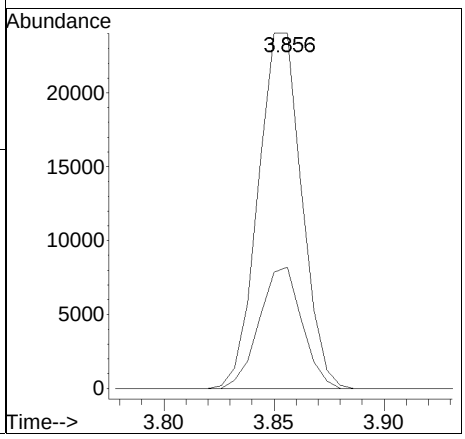


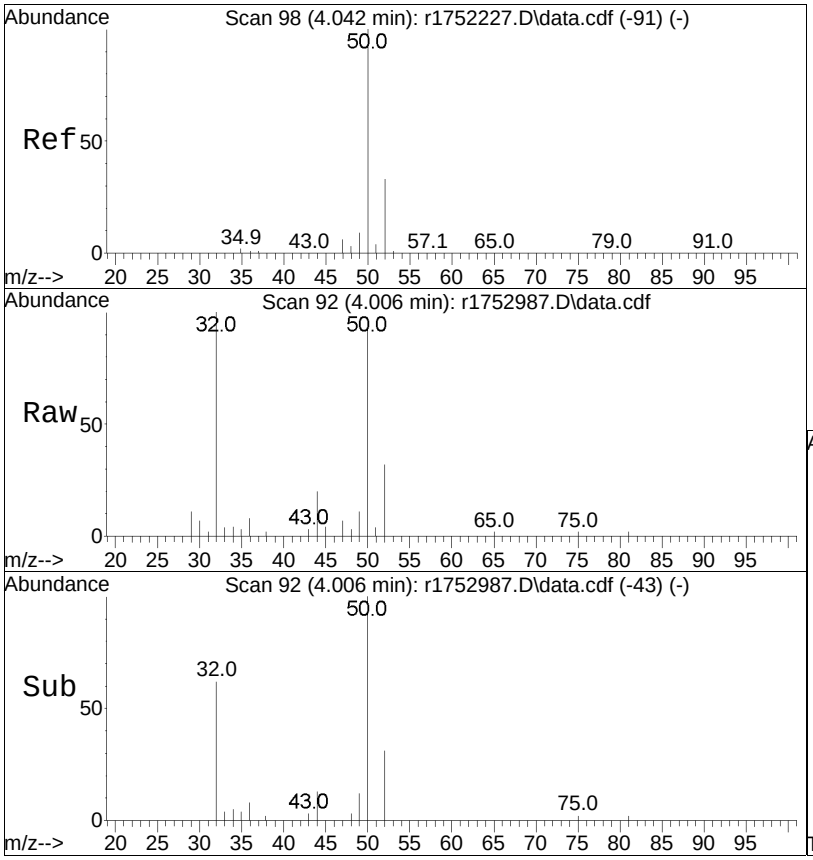


#5
dichlorodifluoromethane
Concen: 0.76 ppbV
RT: 3.856 min Scan# 67
Delta R.T. -0.030 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 85 Resp: 33062

Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.7	40.1

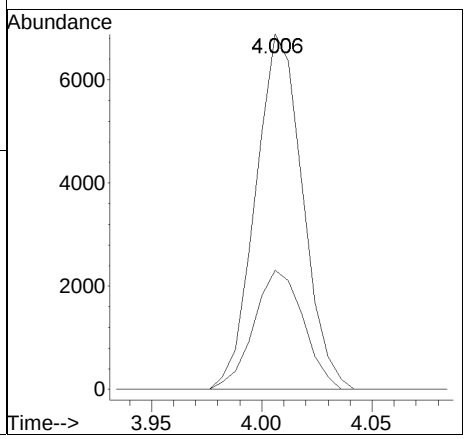


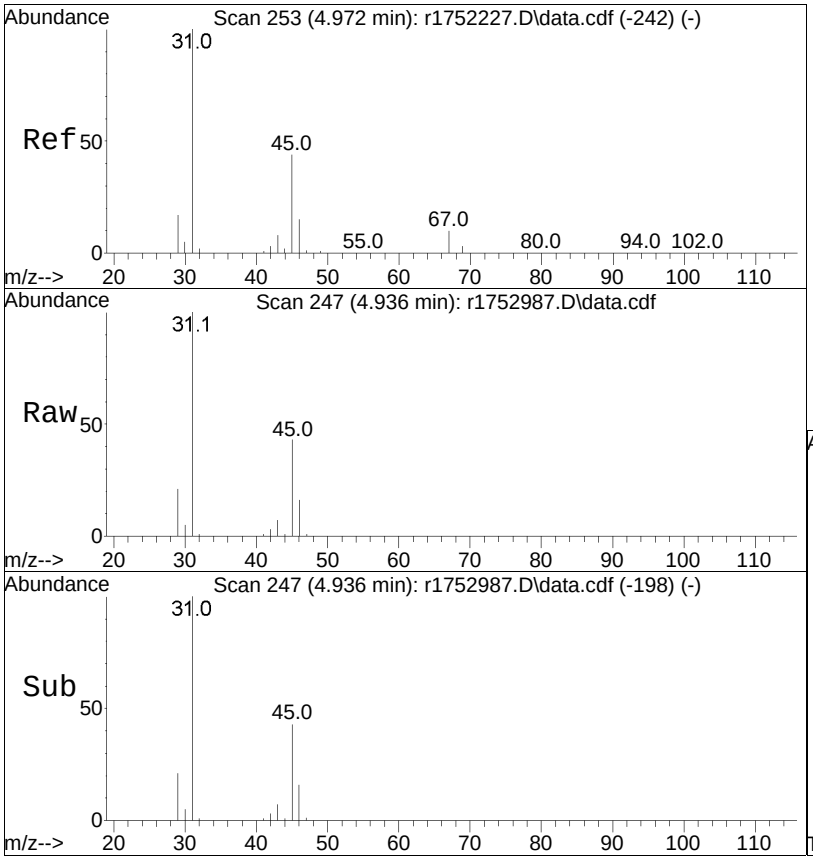


#6
chloromethane
Concen: 0.53 ppbV
RT: 4.006 min Scan# 92
Delta R.T. -0.036 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 50 Resp: 10235

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.1	39.1

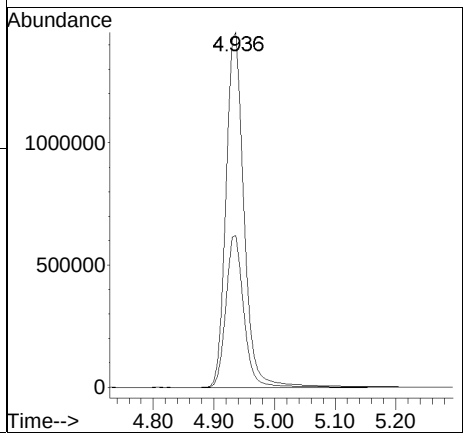


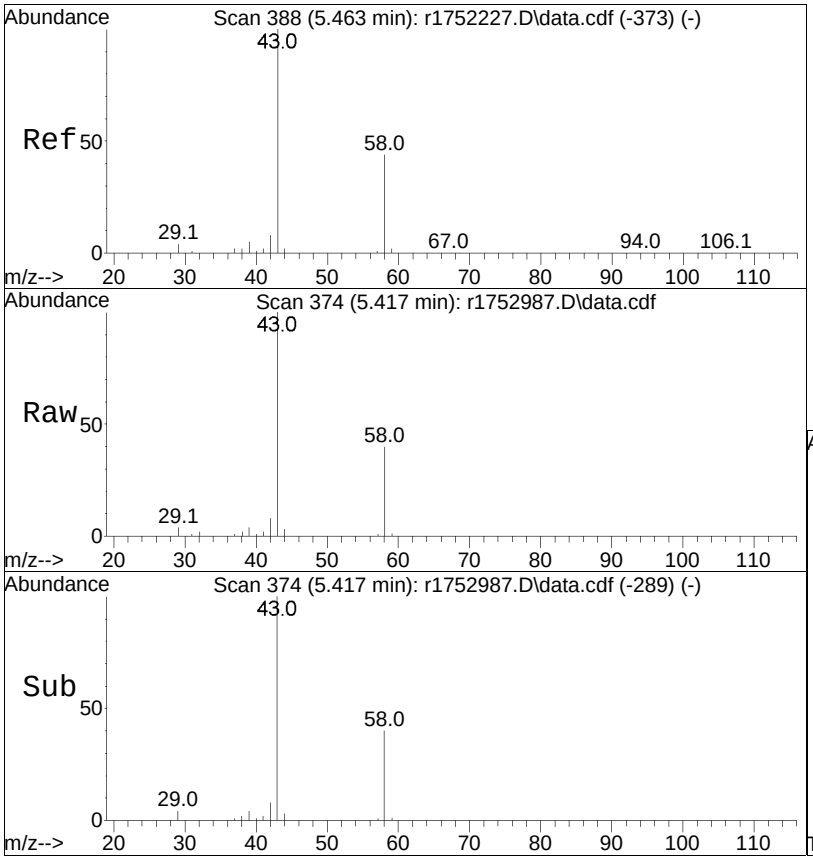


#15
ethanol
Concen: 136.86 ppbV
RT: 4.936 min Scan# 247
Delta R.T. -0.036 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 31 Resp: 2424922

Ion	Ratio	Lower	Upper
31	100		
45	42.7	35.3	52.9

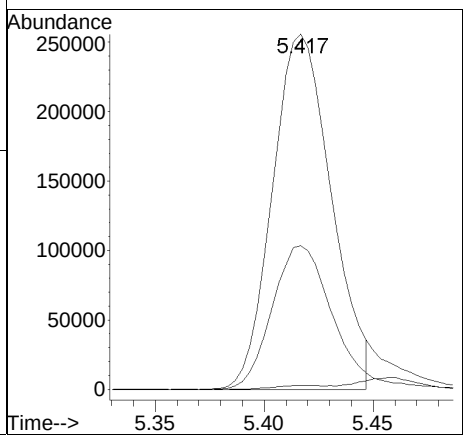


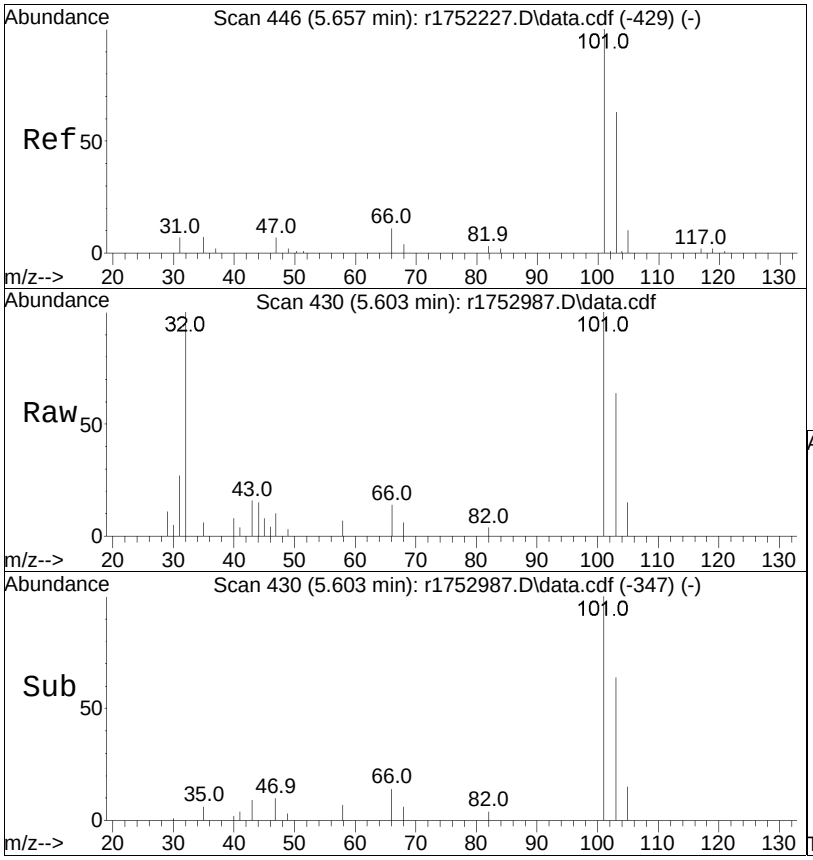


#19
acetone
Concen: 16.11 ppbV m
RT: 5.417 min Scan# 374
Delta R.T. -0.047 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 43 Resp: 481847

Ion	Ratio	Lower	Upper
43	100		
58	40.4	35.1	52.7
57	1.1	0.9	1.3

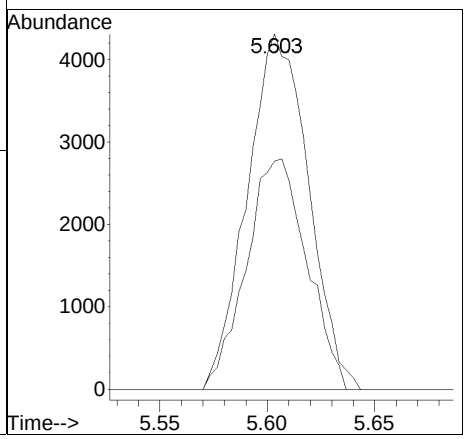


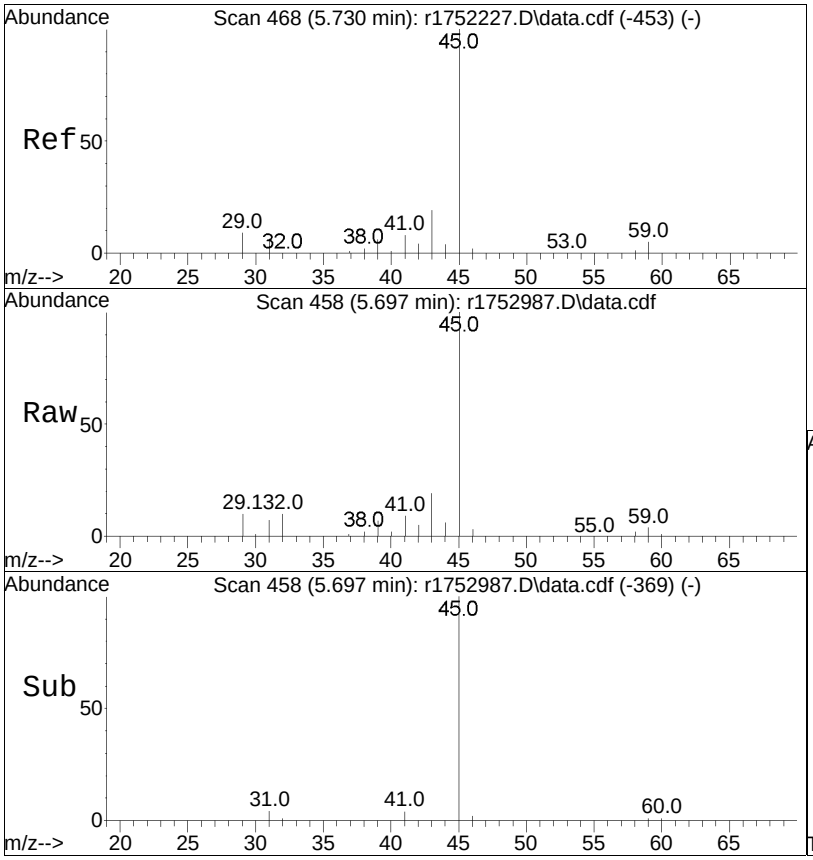


#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.603 min Scan# 430
Delta R.T. -0.053 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:101 Resp: 8560

Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.2	75.2

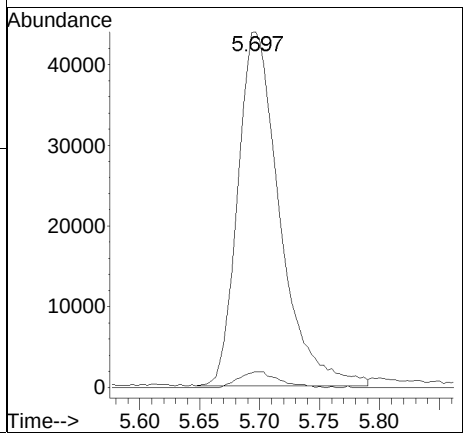


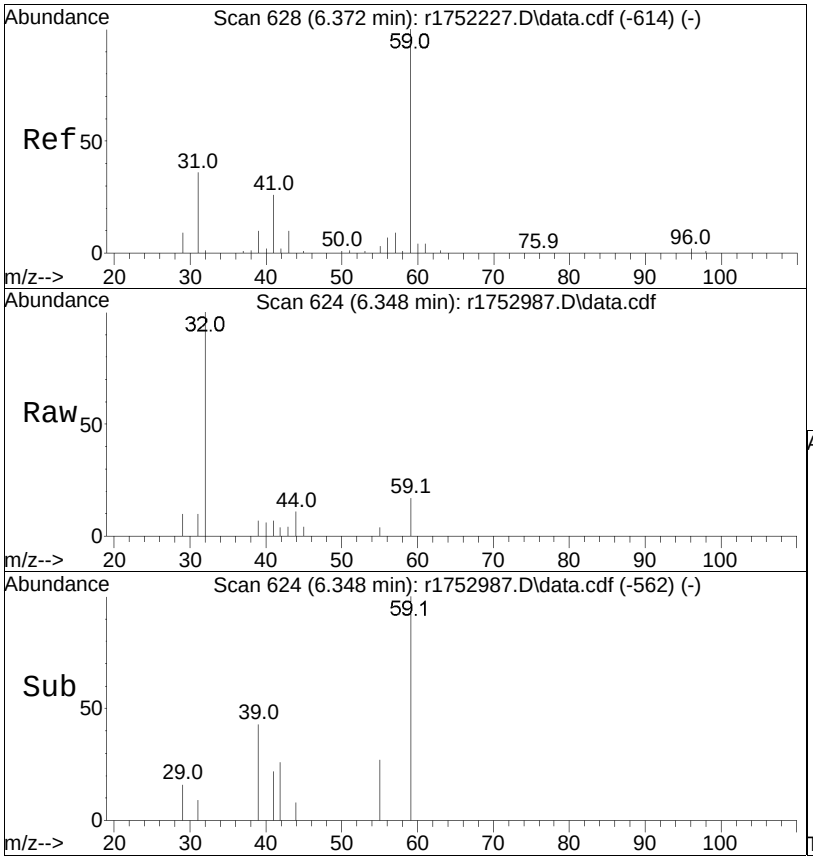


#22
isopropyl alcohol
Concen: 3.15 ppbV
RT: 5.697 min Scan# 458
Delta R.T. -0.033 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 45 Resp: 106815

Ion	Ratio	Lower	Upper
45	100		
59	4.4	4.2	6.2

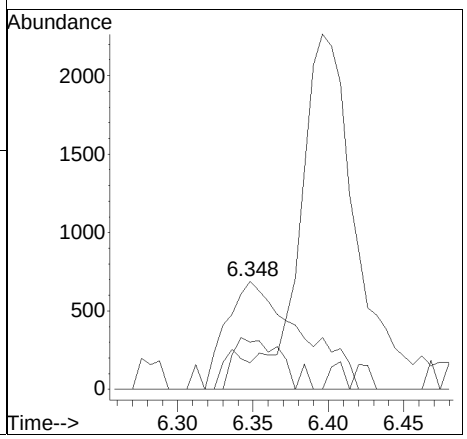


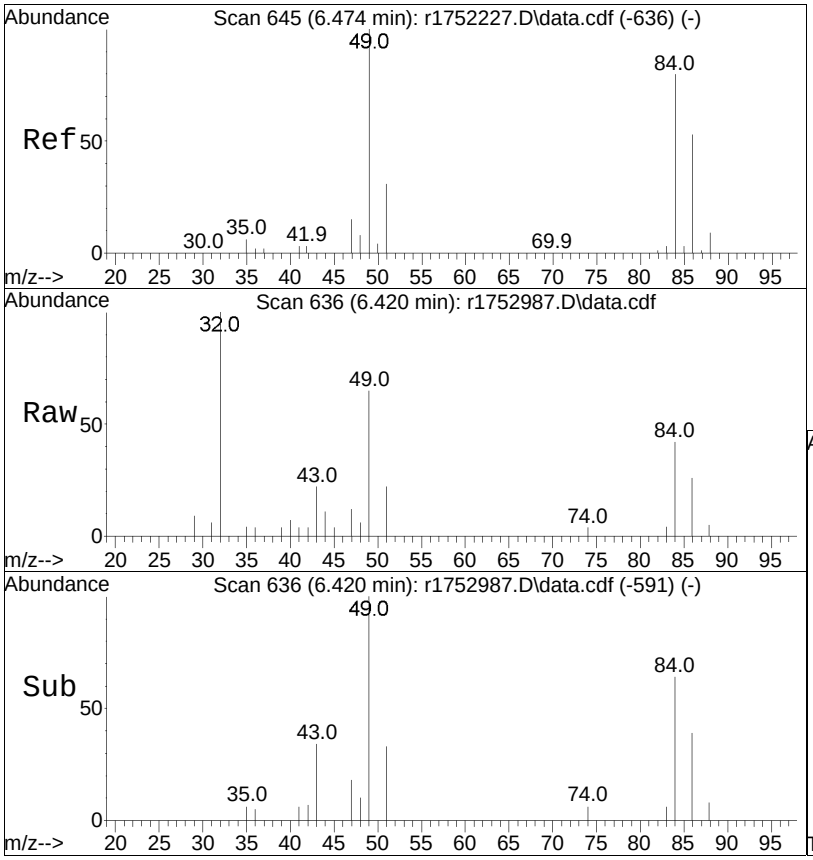


#27
tertiary butyl alcohol
Concen: 0.05 ppbV
RT: 6.348 min Scan# 624
Delta R.T. -0.024 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 59 Resp: 2349

Ion	Ratio	Lower	Upper
59	100		
41	43.8	20.9	31.3#
43	24.7	7.9	11.9#

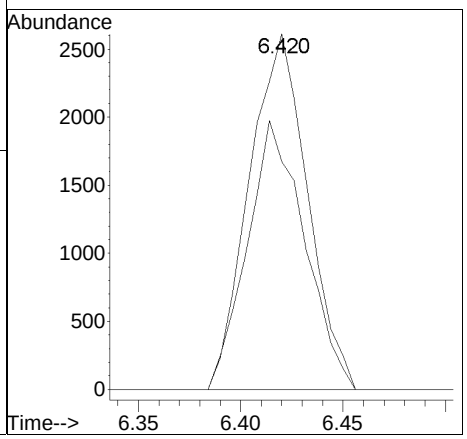


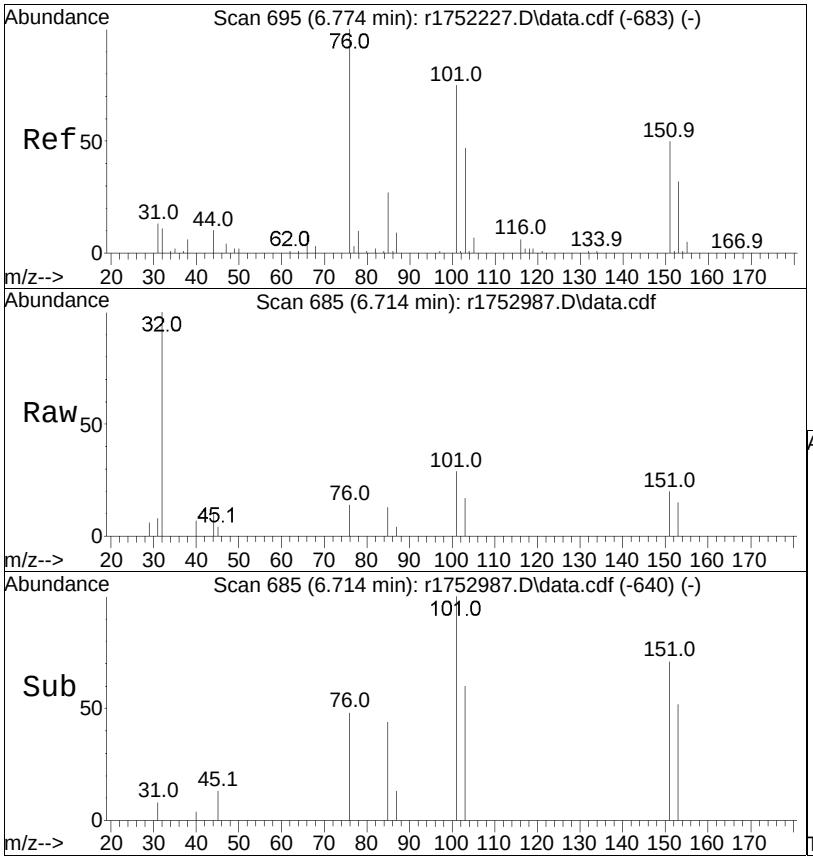


#28
methylene chloride
Concen: 0.20 ppbV
RT: 6.420 min Scan# 636
Delta R.T. -0.054 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 49 Resp: 5172

Ion	Ratio	Lower	Upper
49	100		
84	64.1	64.2	96.2#

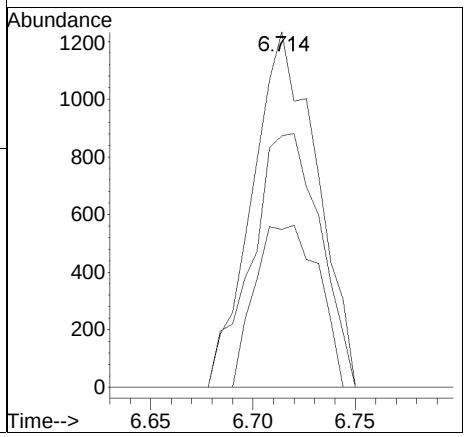


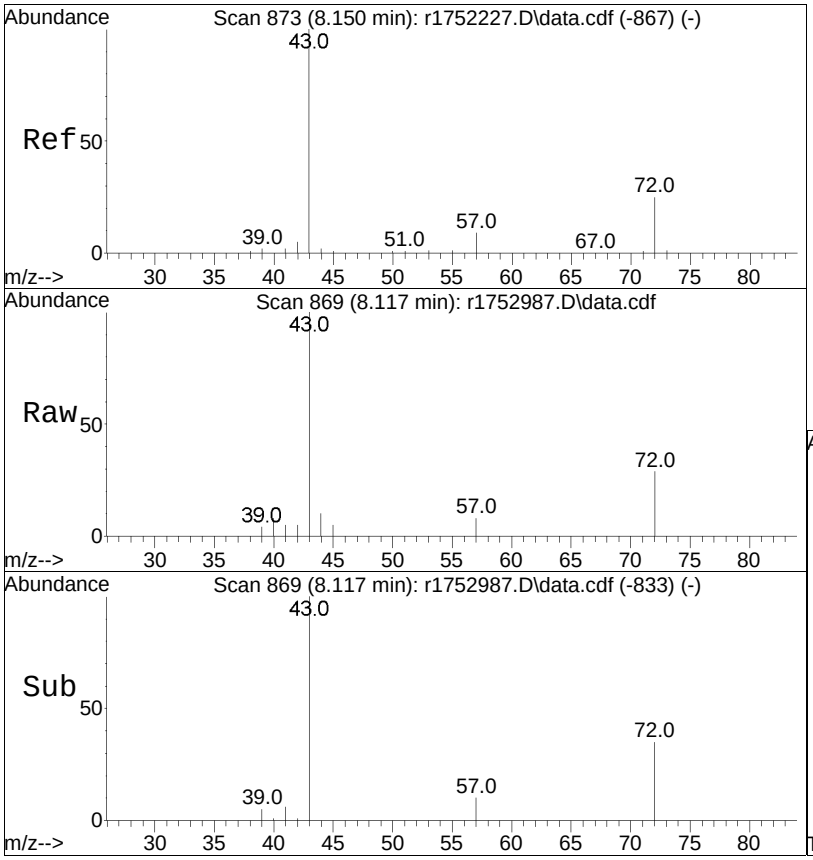


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.714 min Scan# 685
Delta R.T. -0.060 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:101 Resp: 2707

Ion	Ratio	Lower	Upper
101	100		
85	44.4	28.9	43.3#
151	70.8	53.3	79.9

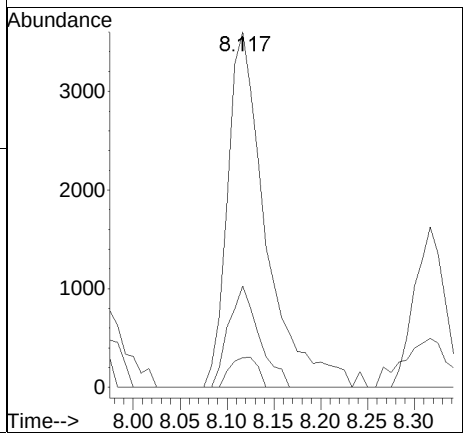


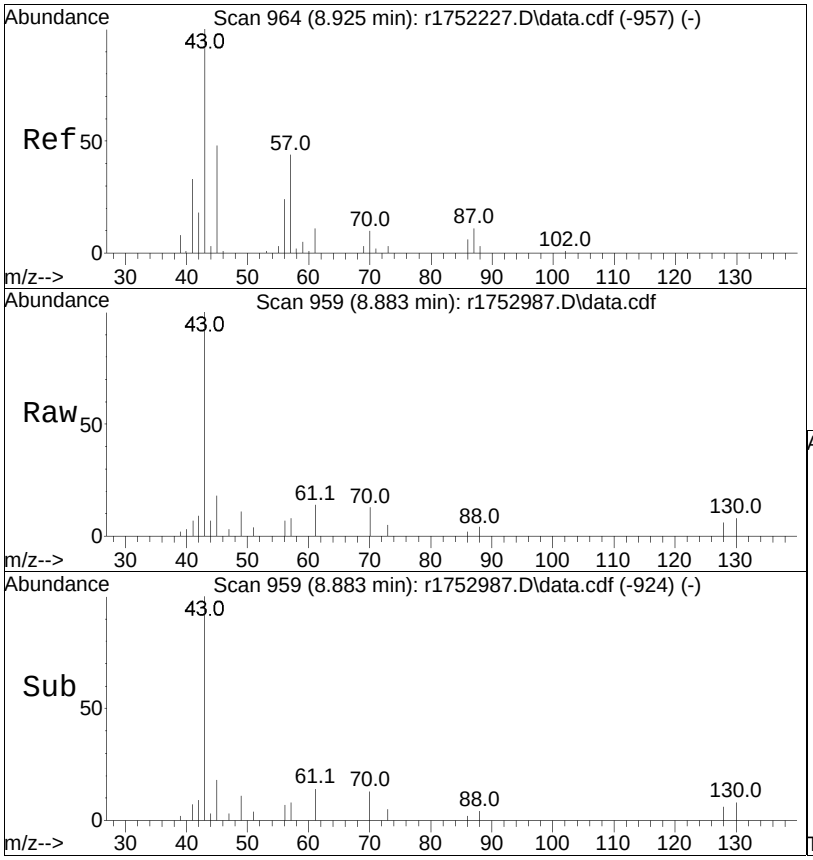


#36
2-butanone
Concen: 0.22 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 43 Resp: 10359

Ion	Ratio	Lower	Upper
43	100		
72	28.5	19.9	29.9
57	8.4	7.2	10.8

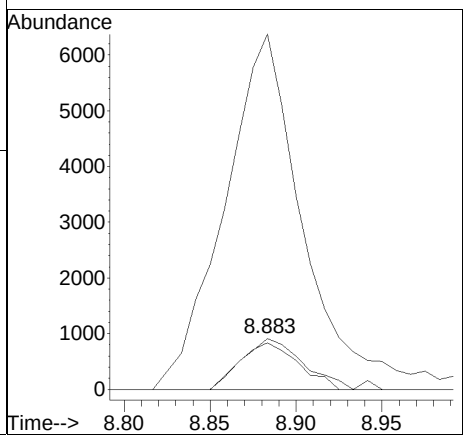


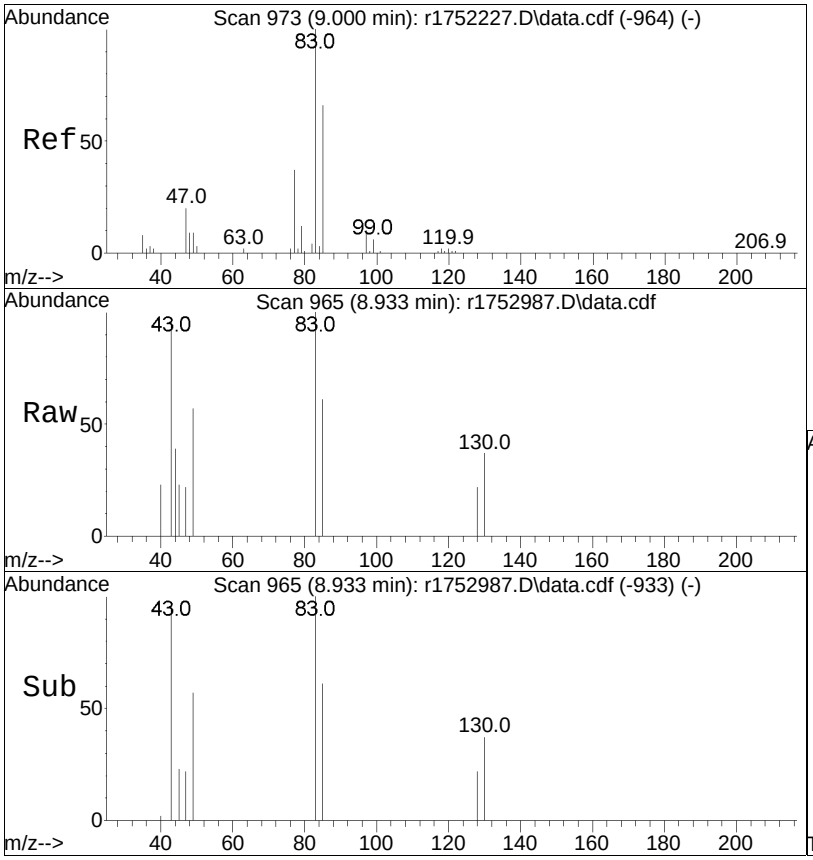


#38
Ethyl Acetate
Concen: 0.26 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.042 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 61 Resp: 2252

Ion	Ratio	Lower	Upper
61	100		
70	91.7	68.4	102.6
43	698.5	727.4	1091.2#

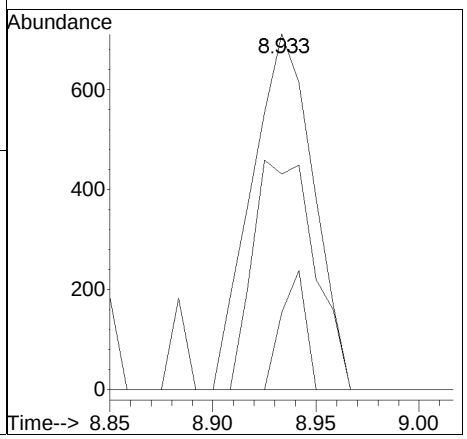


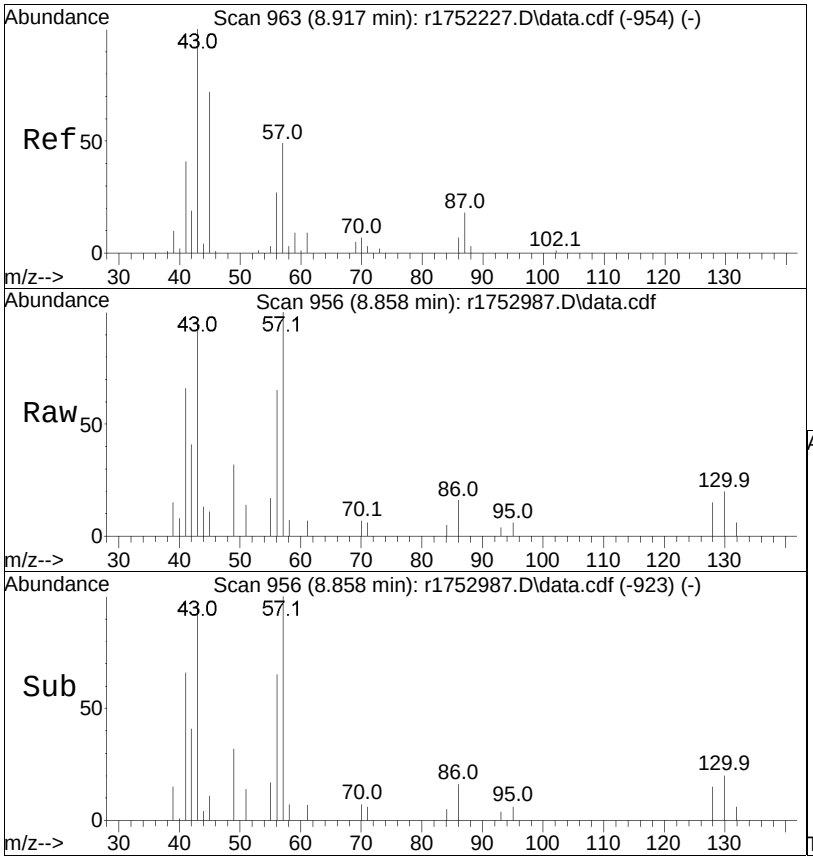


#39
chloroform
Concen: 0.04 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 83 Resp: 1490

Ion	Ratio	Lower	Upper
83	100		
85	60.6	53.1	79.7
47	21.7	16.3	24.5

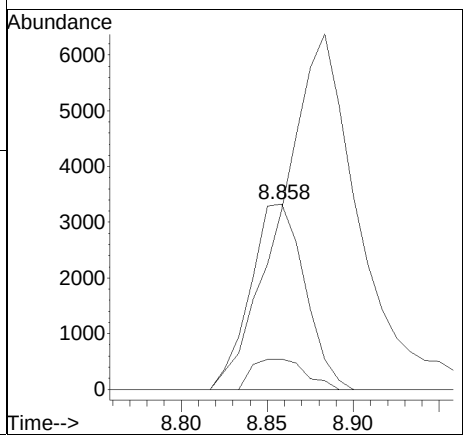


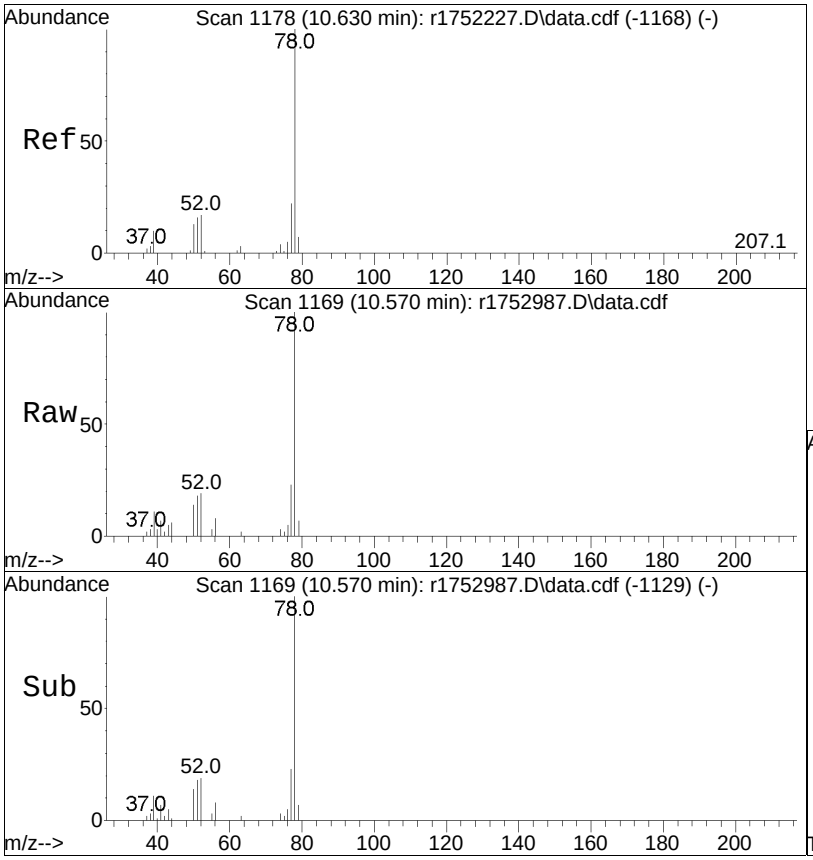


#44
hexane
Concen: 0.21 ppbV
RT: 8.858 min Scan# 956
Delta R.T. -0.058 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 57 Resp: 7363

Ion	Ratio	Lower	Upper
57	100		
43	97.1	163.5	245.3#
86	16.4	11.7	17.5

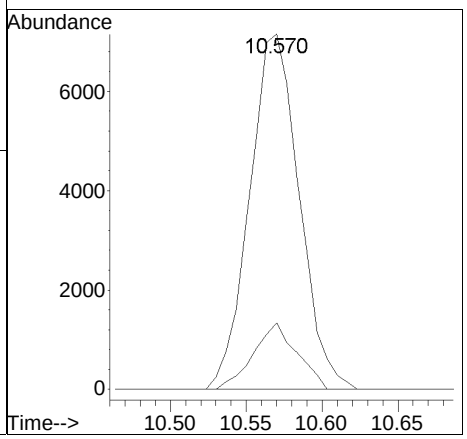


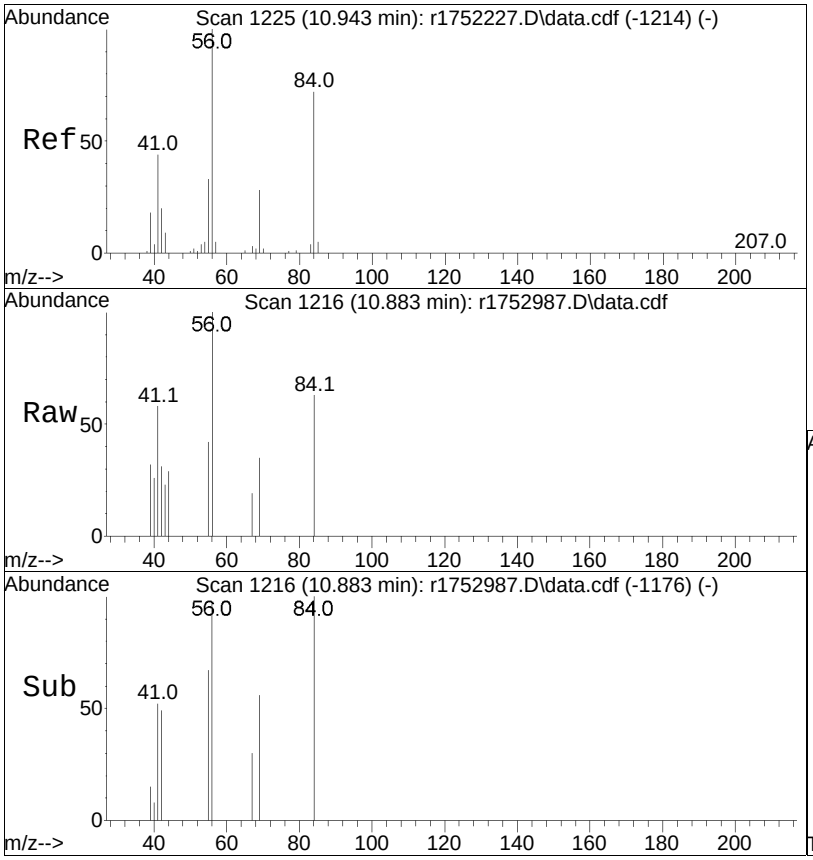


#50
benzene
Concen: 0.27 ppbV
RT: 10.570 min Scan# 1169
Delta R.T. -0.060 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 78 Resp: 16251

Ion	Ratio	Lower	Upper
78	100		
52	18.7	13.8	20.8

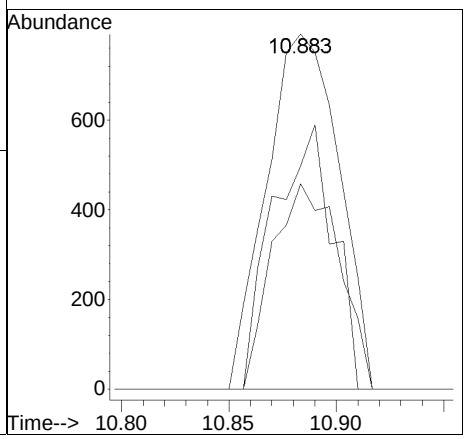


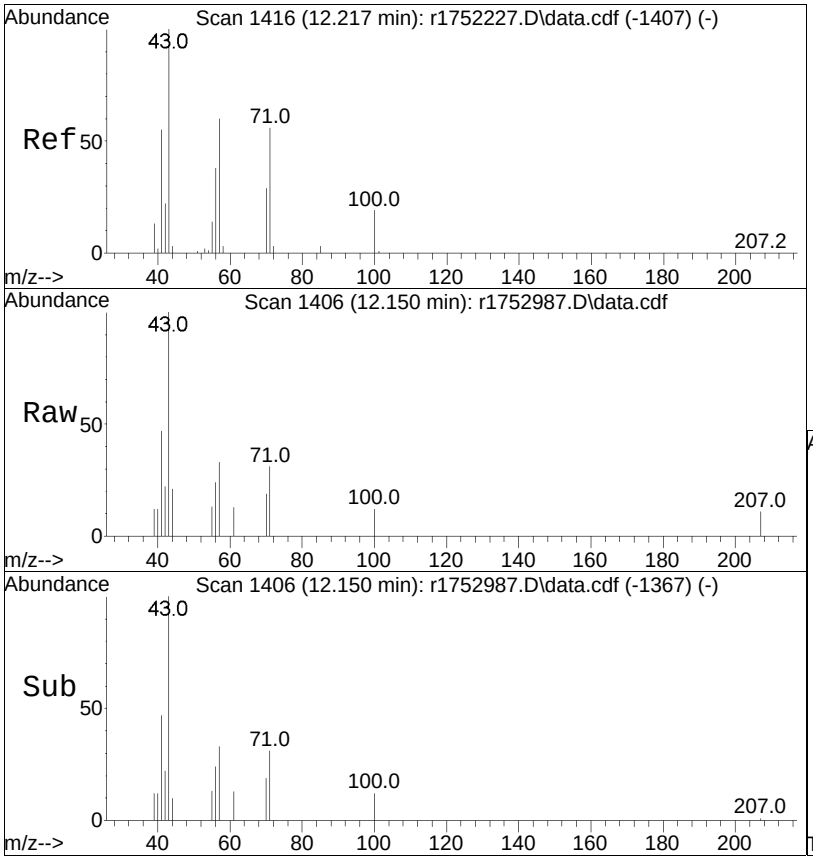


#53
cyclohexane
Concen: 0.05 ppbV m
RT: 10.883 min Scan# 1216
Delta R.T. -0.060 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 56 Resp: 1871

Ion	Ratio	Lower	Upper
56	100		
84	62.9	57.8	86.8
41	57.8	35.5	53.3#

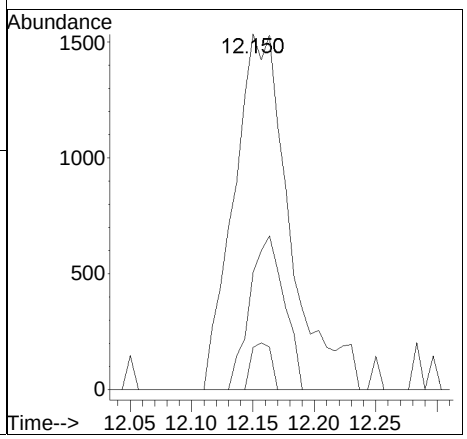


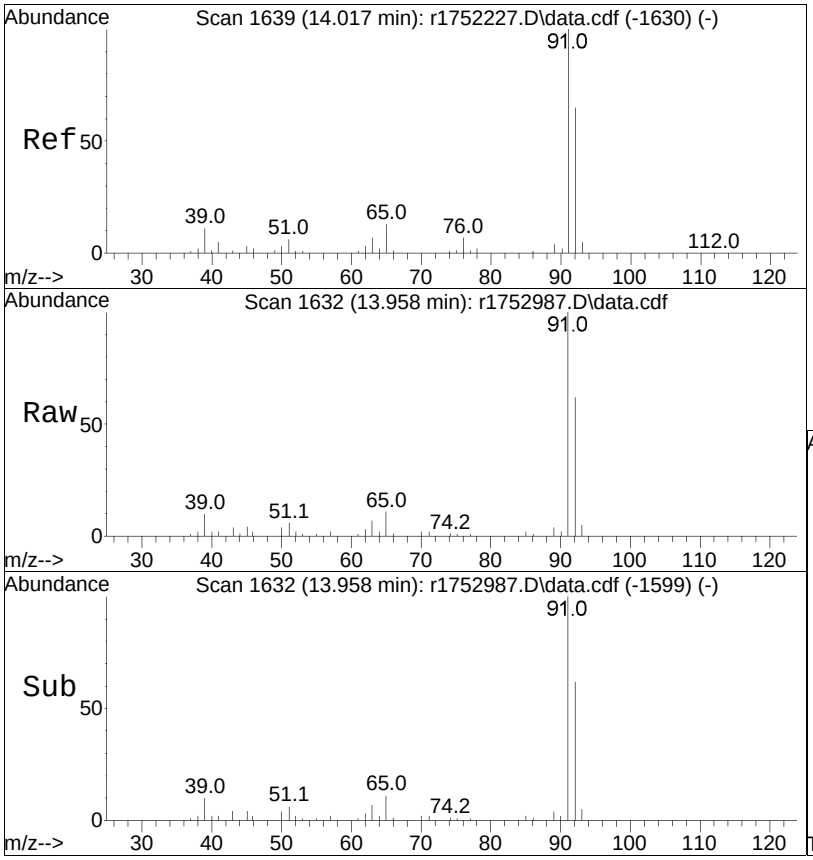


#62
heptane
Concen: 0.13 ppbV
RT: 12.150 min Scan# 1406
Delta R.T. -0.067 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 43 Resp: 4848

Ion	Ratio	Lower	Upper
43	100		
57	32.9	48.3	72.5#
100	11.9	15.4	23.0#

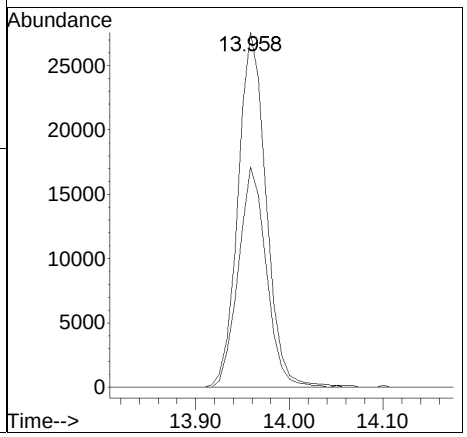


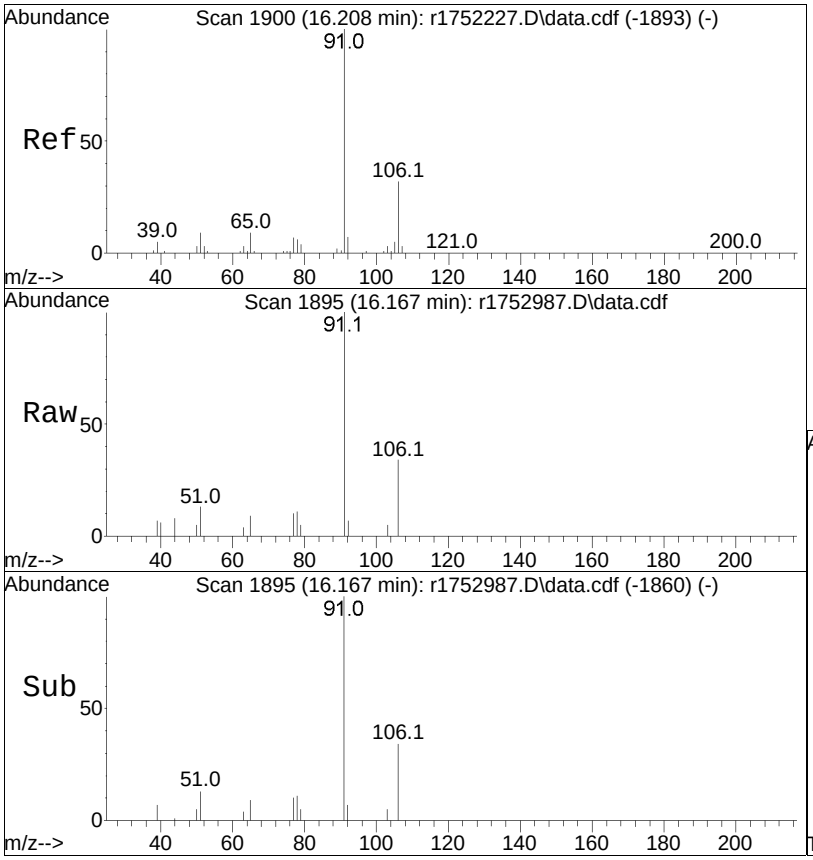


#68
toluene
Concen: 0.71 ppbV
RT: 13.958 min Scan# 1632
Delta R.T. -0.058 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 91 Resp: 57758

Ion	Ratio	Lower	Upper
91	100		
92	62.1	51.9	77.9

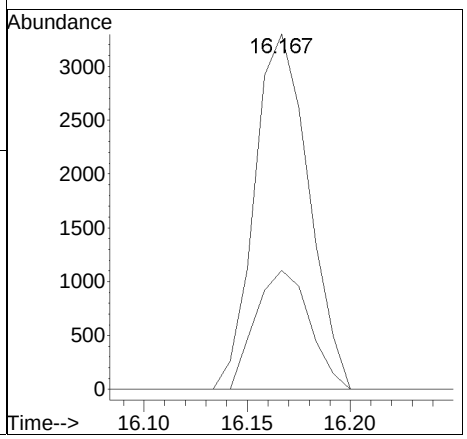


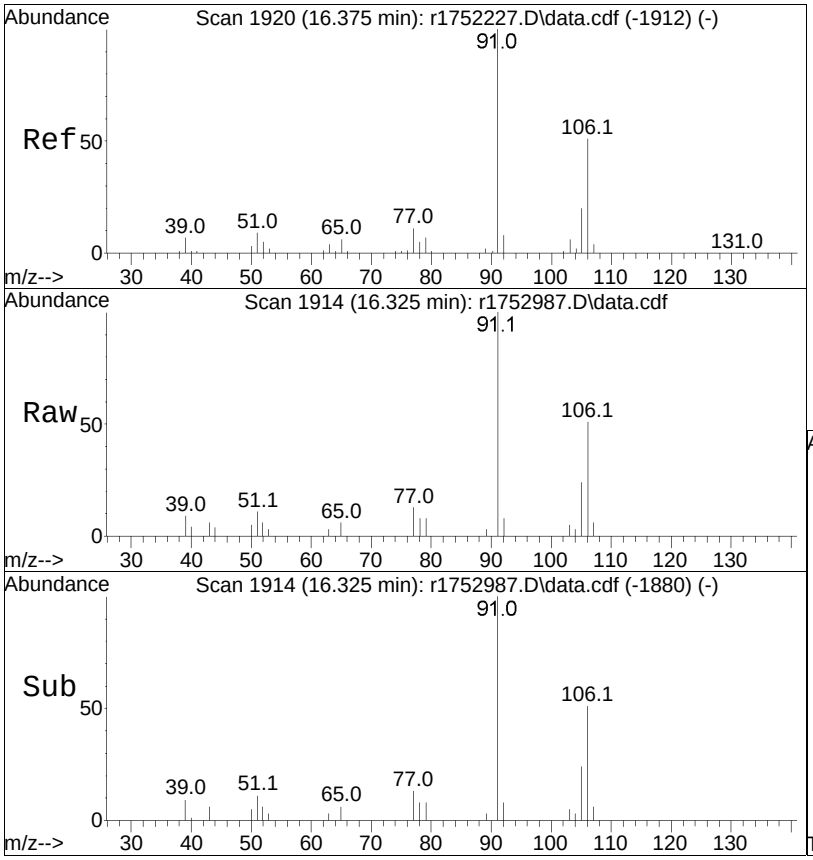


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 91 Resp: 6016

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.7	38.5

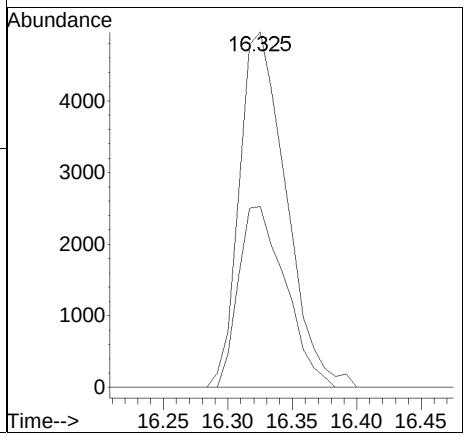


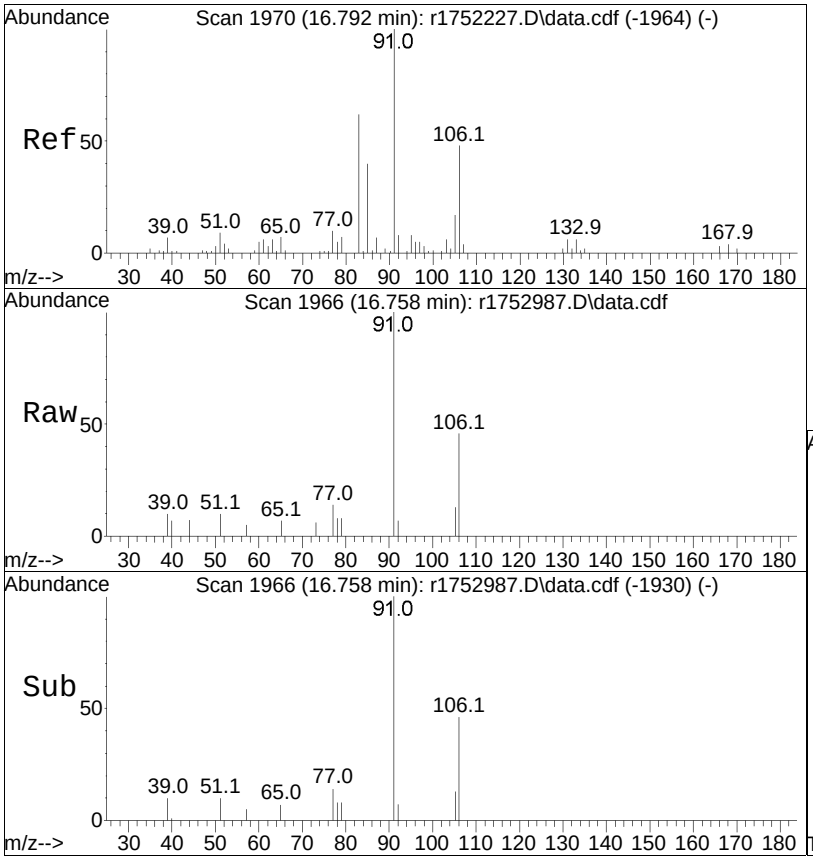


#83
m+p-xylene
Concen: 0.15 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 91 Resp: 12539

Ion	Ratio	Lower	Upper
91	100		
106	50.9	41.1	61.7

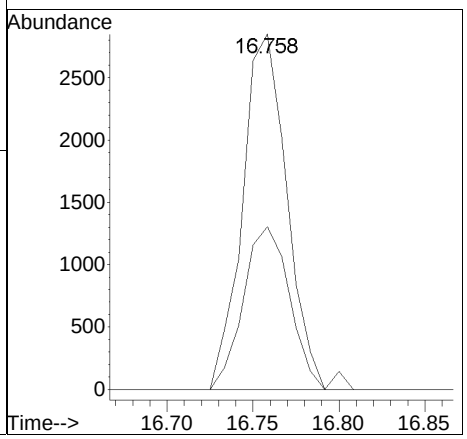


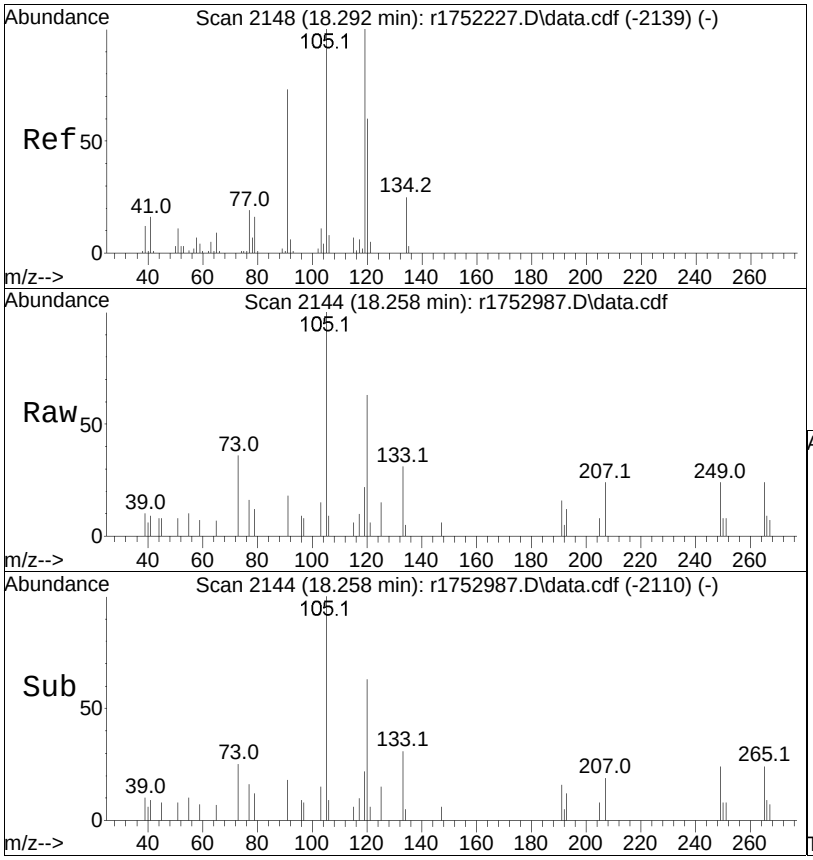


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.758 min Scan# 1966
Delta R.T. -0.033 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion: 91 Resp: 5162

Ion	Ratio	Lower	Upper
91	100		
106	45.8	38.4	57.6

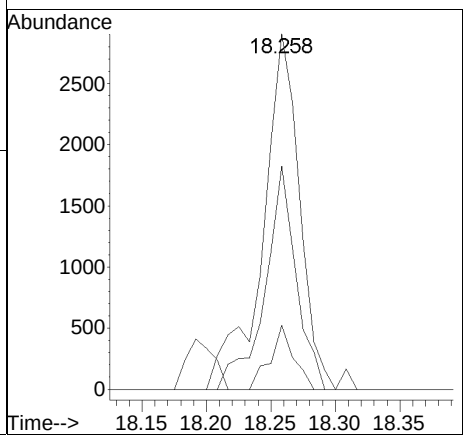


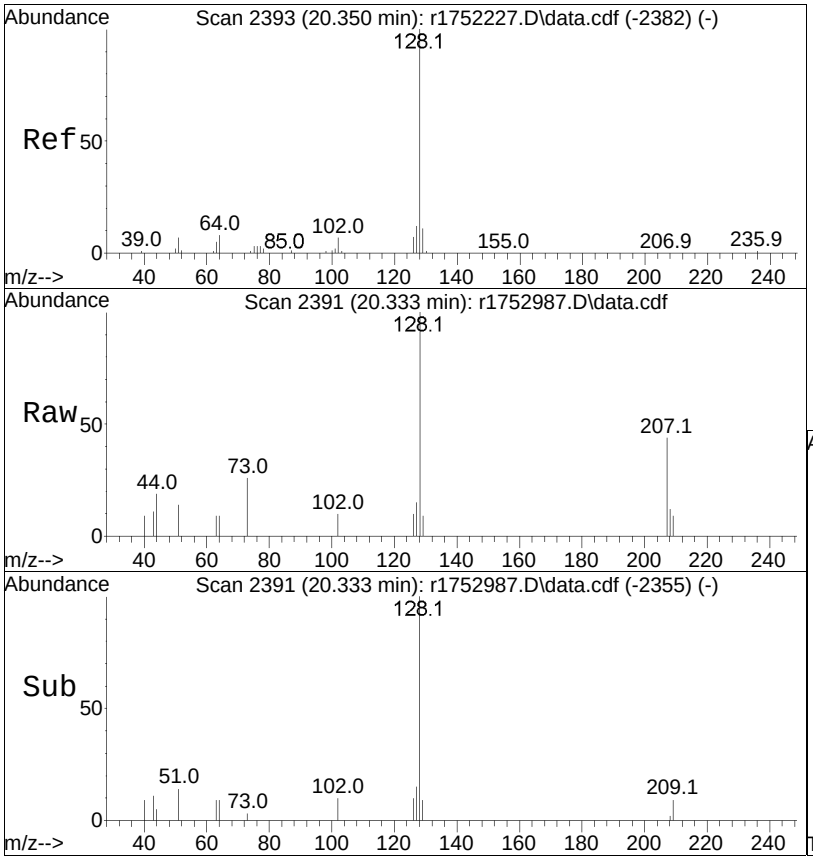


#99
1,2,4-trimethylbenzene
Concen: 0.07 ppbV
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:105 Resp: 5867

Ion	Ratio	Lower	Upper
105	100		
120	62.8	48.0	72.0
91	18.1	58.3	87.5#

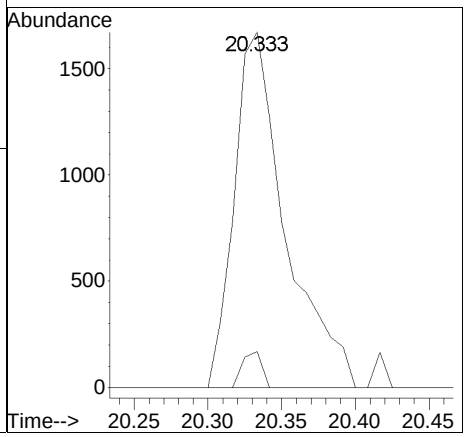




#116
naphthalene
Concen: 0.03 ppbV
RT: 20.333 min Scan# 2391
Delta R.T. -0.017 min
Lab File: r1752987.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:128 Resp: 4051

Ion	Ratio	Lower	Upper
128	100		
102	10.1	5.8	8.6#

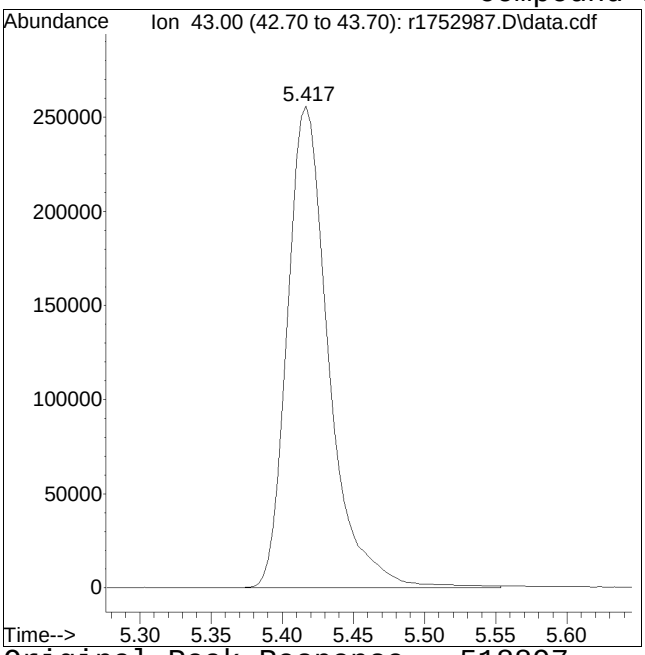


Manual Integration Report

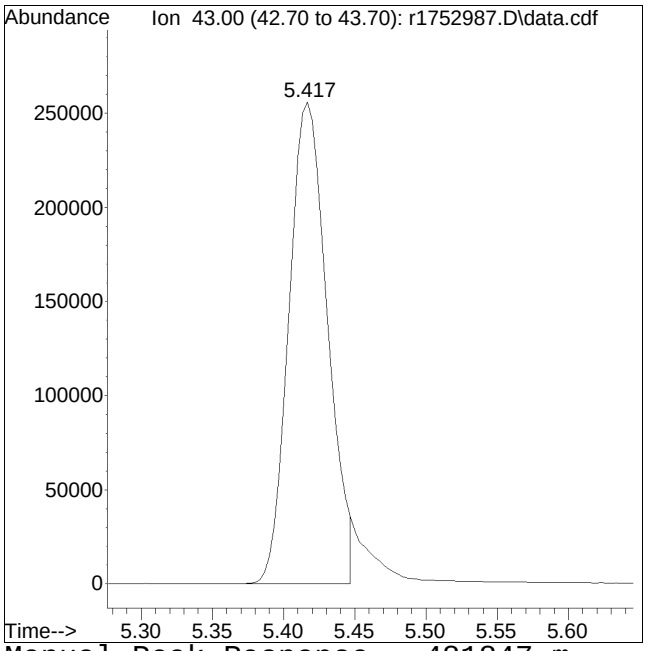
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752987.D
Date Inj'd : 12/18/2025 6:18 PM
Sample : L2577500-02,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:18 am

Compound #19: acetone



Original Peak Response = 518897

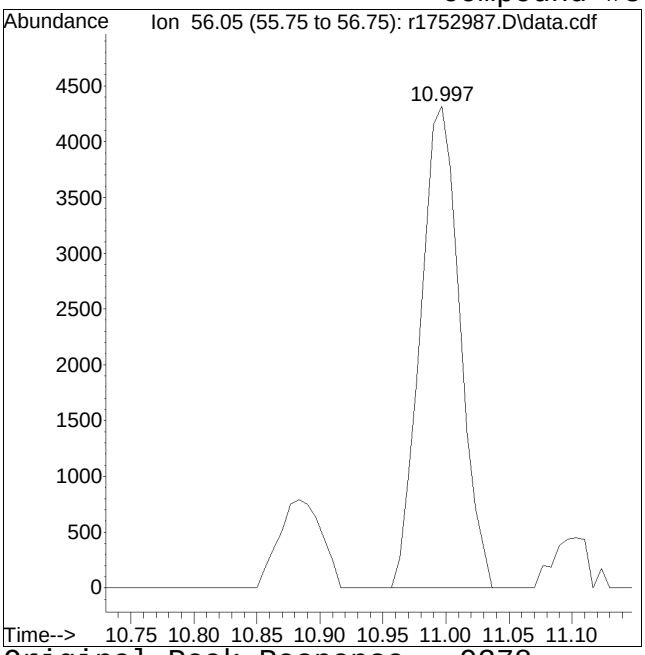


Manual Peak Response = 481847 m

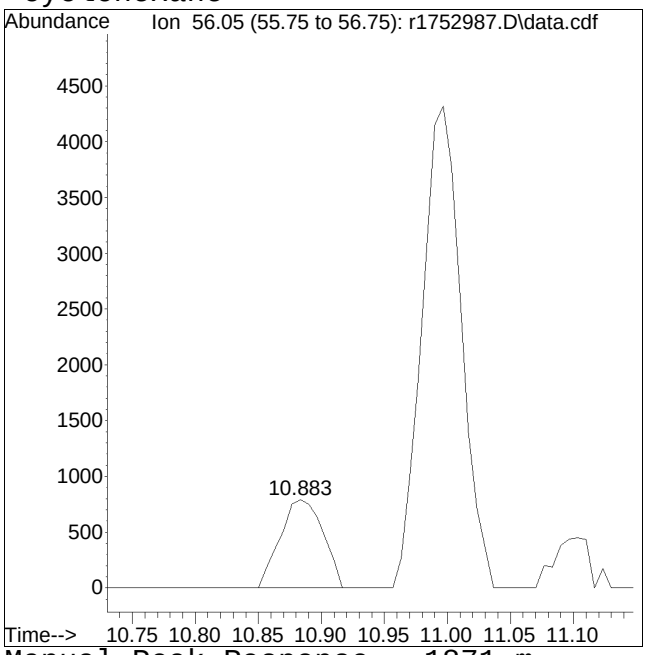
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752987.D Operator : AIRLAB17:TPH
Date Inj'd : 12/18/2025 6:18 PM Instrument :
Sample : L2577500-02,3,250,250 Quant Date : 12/19/2025 8:18 am

Compound #53: cyclohexane



Original Peak Response = 9378



Manual Peak Response = 1871 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752988.D
Acq On : 18 Dec 2025 6:56 PM
Operator : AIRLAB17:TPH
Sample : L2577500-03,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:51 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	335905	10.000	ppbV	-0.06
Standard Area = 341577			Recovery =	98.34%		
43) 1,4-difluorobenzene	10.990	114	796551	10.000	ppbV	-0.06
Standard Area = 849055			Recovery =	93.82%		
67) chlorobenzene-D5	15.758	54	125371	10.000	ppbV	-0.05
Standard Area = 140112			Recovery =	89.48%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.844	85	24980	0.528	ppbV	97
6) chloromethane	4.000	50	9706	0.457	ppbV #	87
7) Freon-114	4.102		0	N.D.		
10) 1,3-butadiene	4.354		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.924	31	3570453	184.981	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.410	43	20922754	642.043	ppbV #	75
21) trichlorofluoromethane	5.590	101	8067	0.174	ppbV	99
22) isopropyl alcohol	5.677	45	1299728	35.138	ppbV	98
27) tertiary butyl alcohol	6.330	59	3177	0.060	ppbV #	30
28) methylene chloride	6.420	49	5248	0.189	ppbV	93
29) 3-chloropropene	6.462		0	N.D.		
30) carbon disulfide	6.708		0	N.D.		
31) Freon 113	6.708	101	2827	0.057	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.		
36) 2-butanone	8.100	43	13333	0.259	ppbV	96
38) Ethyl Acetate	8.858	61	124227	13.189	ppbV #	42
39) chloroform	8.933	83	7184	0.162	ppbV #	95
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.750		0	N.D.		
44) hexane	8.850	57	9742	0.255	ppbV #	1
50) benzene	10.570	78	18816	0.283	ppbV	96
53) cyclohexane	10.877	56	2806m	0.070	ppbV	
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752988.D
Acq On : 18 Dec 2025 6:56 PM
Operator : AIRLAB17:TPH
Sample : L2577500-03,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:51 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

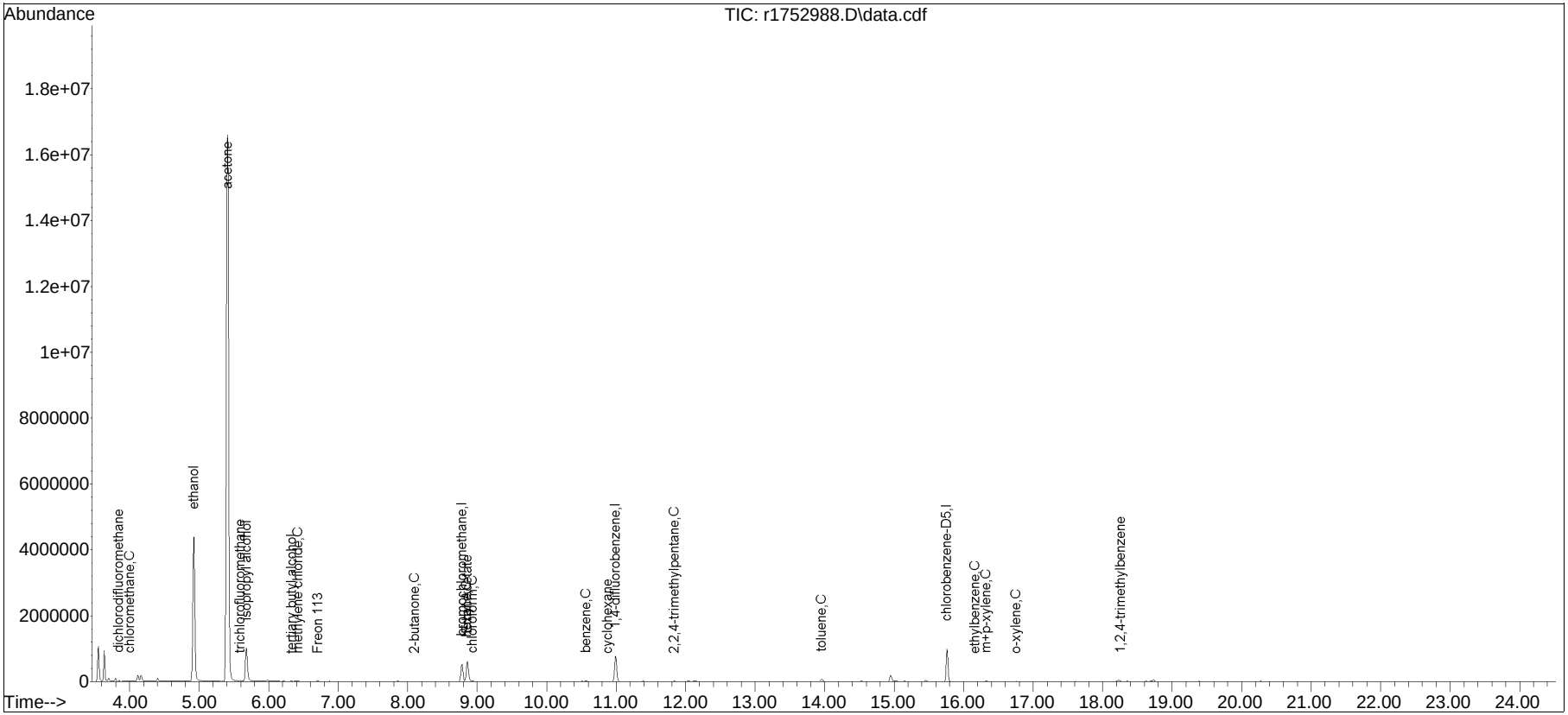
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	11.830		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.837	57	12902	0.104	ppbV		97
62)	heptane	0.000		0	N.D.	d		
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	0.000		0	N.D.	d		
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	13.958	91	60434	0.700	ppbV		98
72)	2-hexanone	14.250		0	N.D.			
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
80)	chlorobenzene	15.817		0	N.D.			
81)	ethylbenzene	16.167	91	6691	0.061	ppbV		90
83)	m+p-xylene	16.325	91	13699	0.158	ppbV		97
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.667		0	N.D.			
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87)	o-xylene	16.750	91	5132	0.059	ppbV		96
96)	4-ethyl toluene	17.908		0	N.D.			
97)	1,3,5-trimethylbenzene	17.908		0	N.D.			
99)	1,2,4-trimethylbenzene	18.258	105	4126	0.045	ppbV	#	55
101)	Benzyl Chloride	18.408		0	N.D.			
102)	1,3-dichlorobenzene	18.458		0	N.D.			
103)	1,4-dichlorobenzene	18.458		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	20.225		0	N.D.			
116)	naphthalene	20.342		0	N.D.			
119)	hexachlorobutadiene	20.642		0	N.D.			

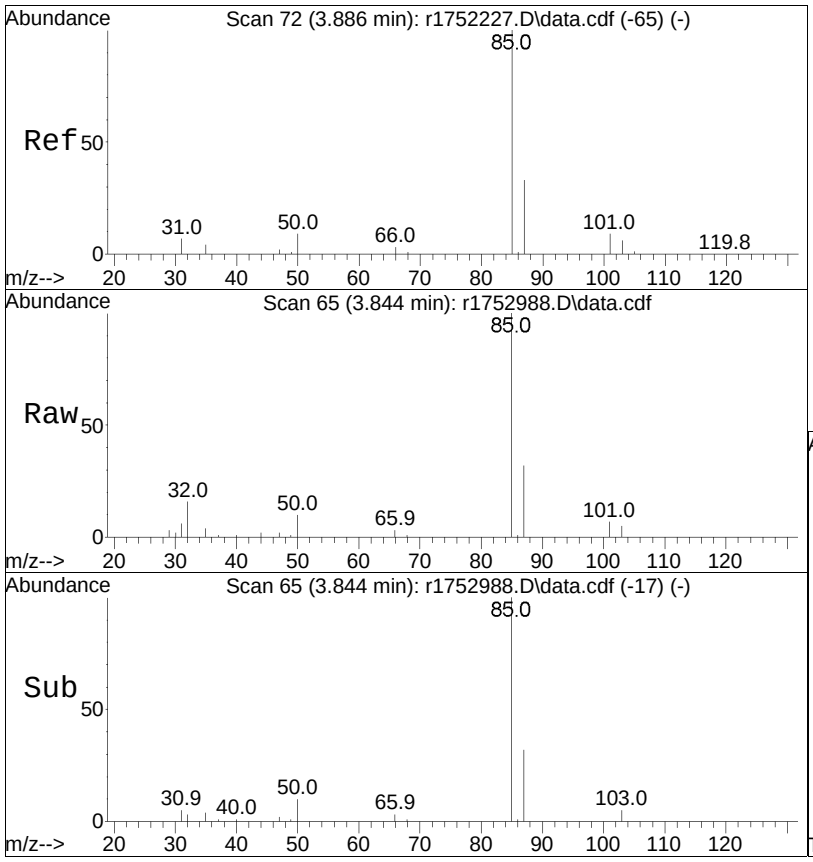
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752988.D
Acq On : 18 Dec 2025 6:56 PM
Operator : AIRLAB17:TPH
Sample : L2577500-03,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:18:51 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

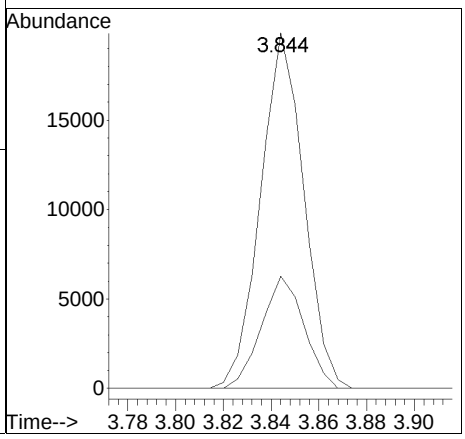


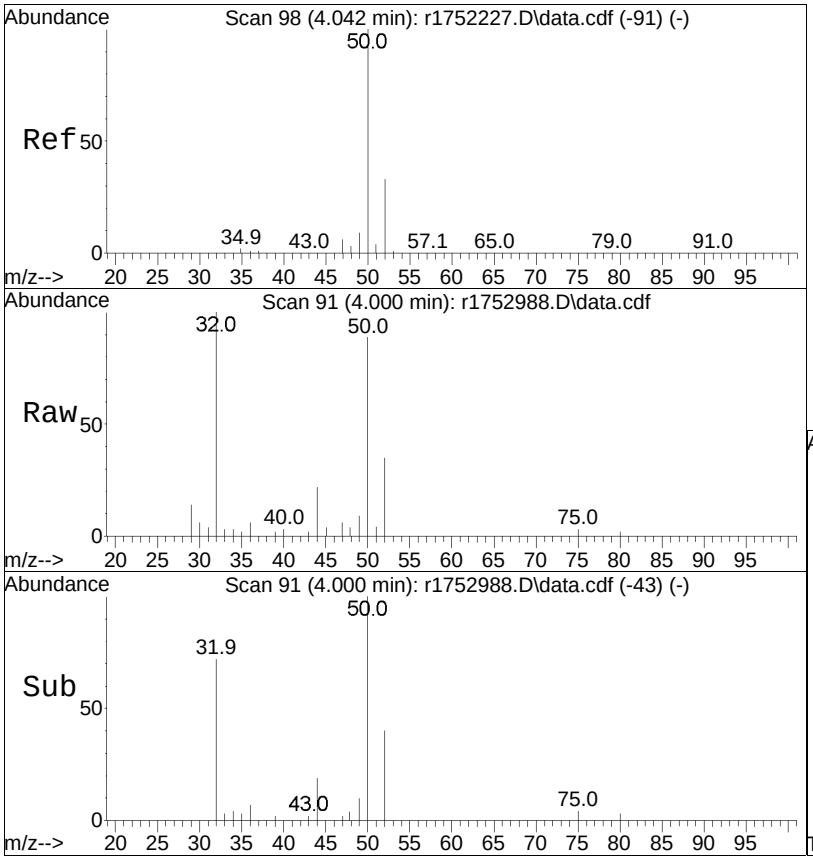


#5
dichlorodifluoromethane
Concen: 0.53 ppbV
RT: 3.844 min Scan# 65
Delta R.T. -0.042 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 85 Resp: 24980

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.7	40.1

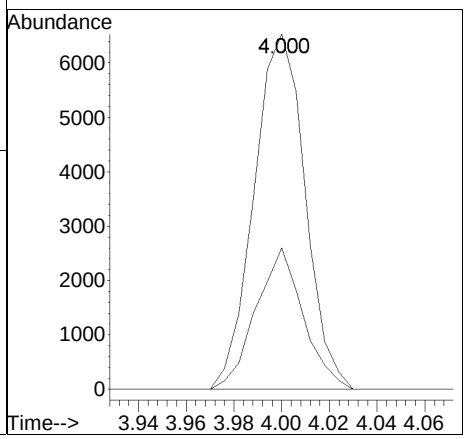


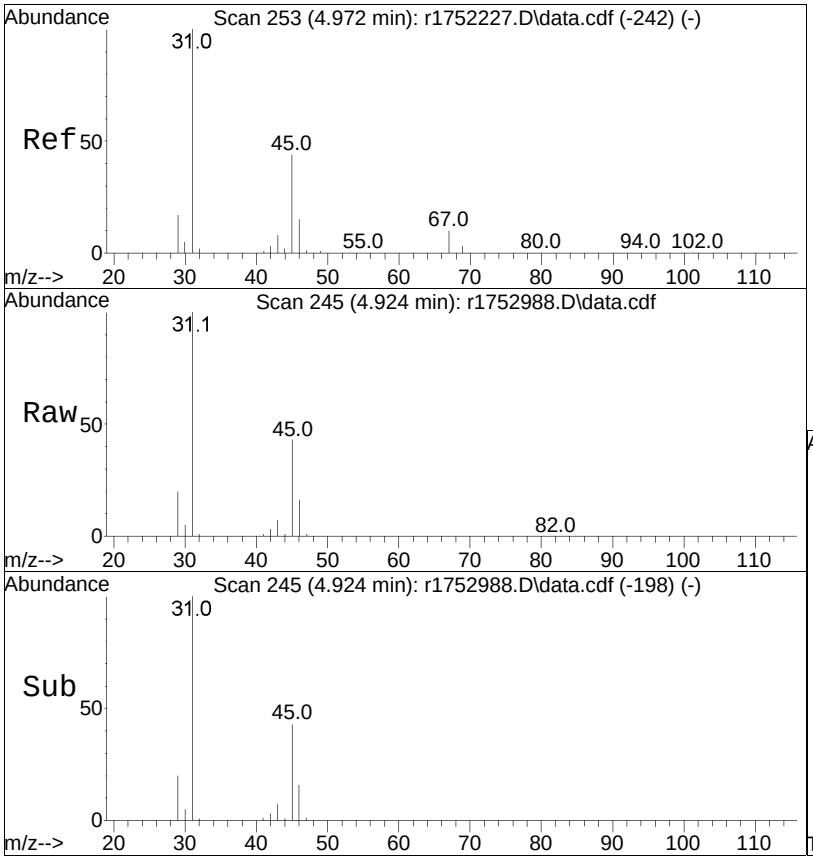


#6
chloromethane
Concen: 0.46 ppbV
RT: 4.000 min Scan# 91
Delta R.T. -0.042 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 50 Resp: 9706

Ion	Ratio	Lower	Upper
50	100		
52	39.8	26.1	39.1#

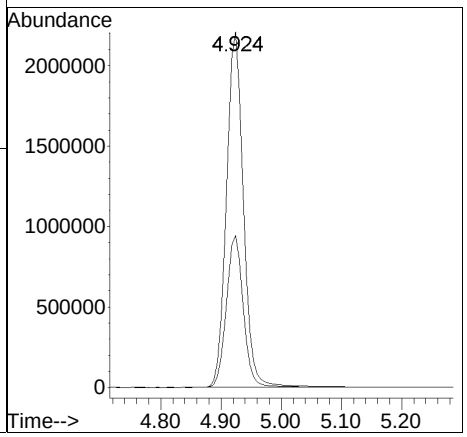


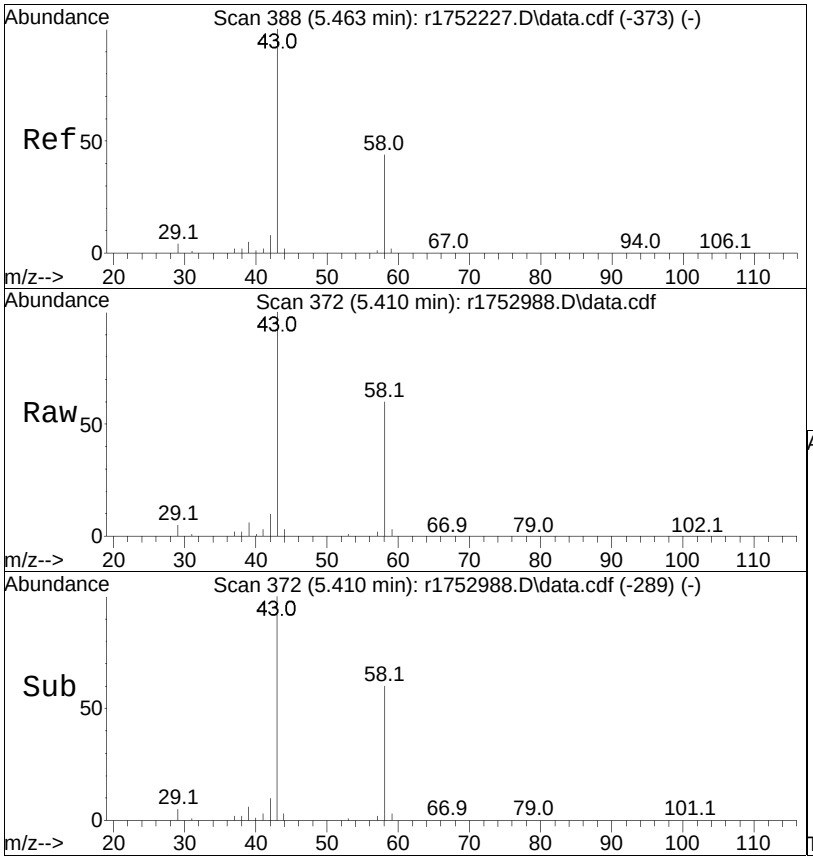


#15
ethanol
Concen: 184.98 ppbV
RT: 4.924 min Scan# 245
Delta R.T. -0.048 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 31 Resp: 3570453

Ion	Ratio	Lower	Upper
31	100		
45	42.8	35.3	52.9

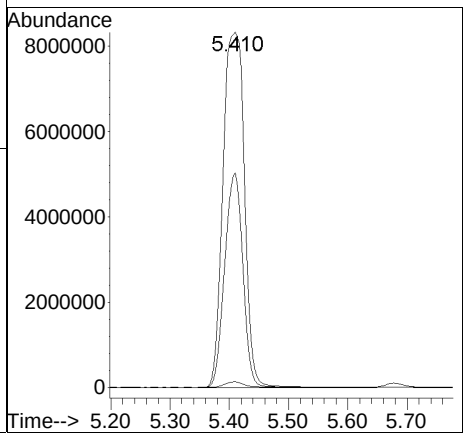


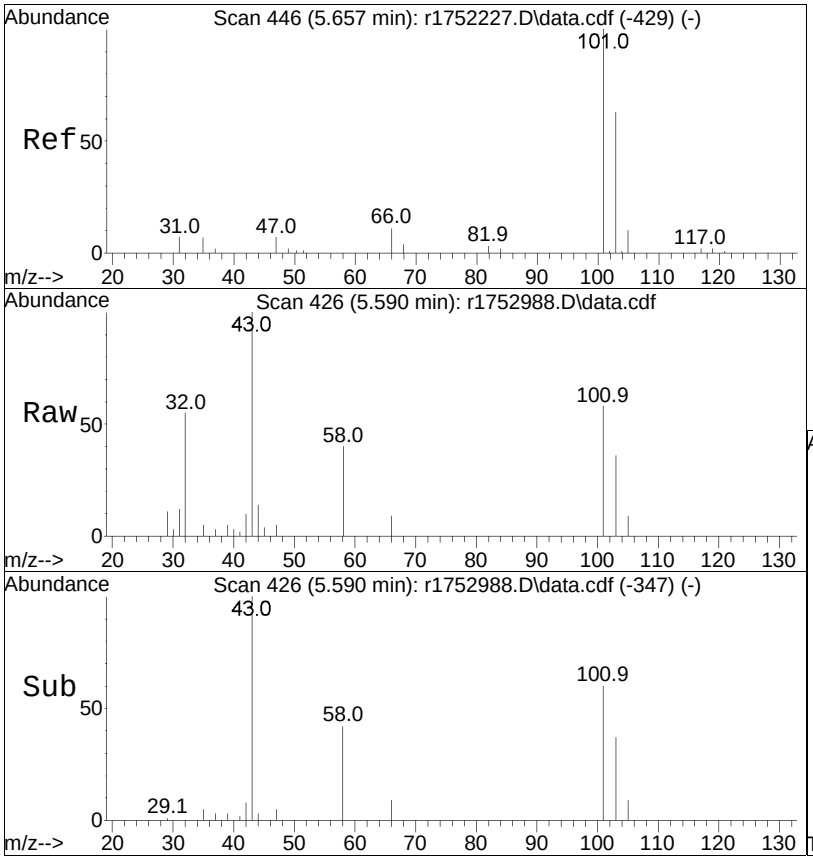


#19
acetone
Concen: 642.04 ppbV
RT: 5.410 min Scan# 372
Delta R.T. -0.053 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 43 Resp:20922754

Ion	Ratio	Lower	Upper
43	100		
58	60.4	35.1	52.7#
57	1.6	0.9	1.3#

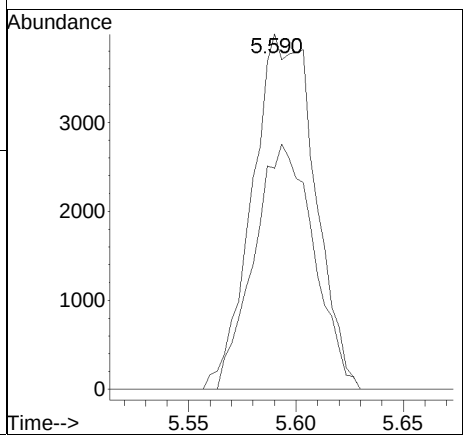


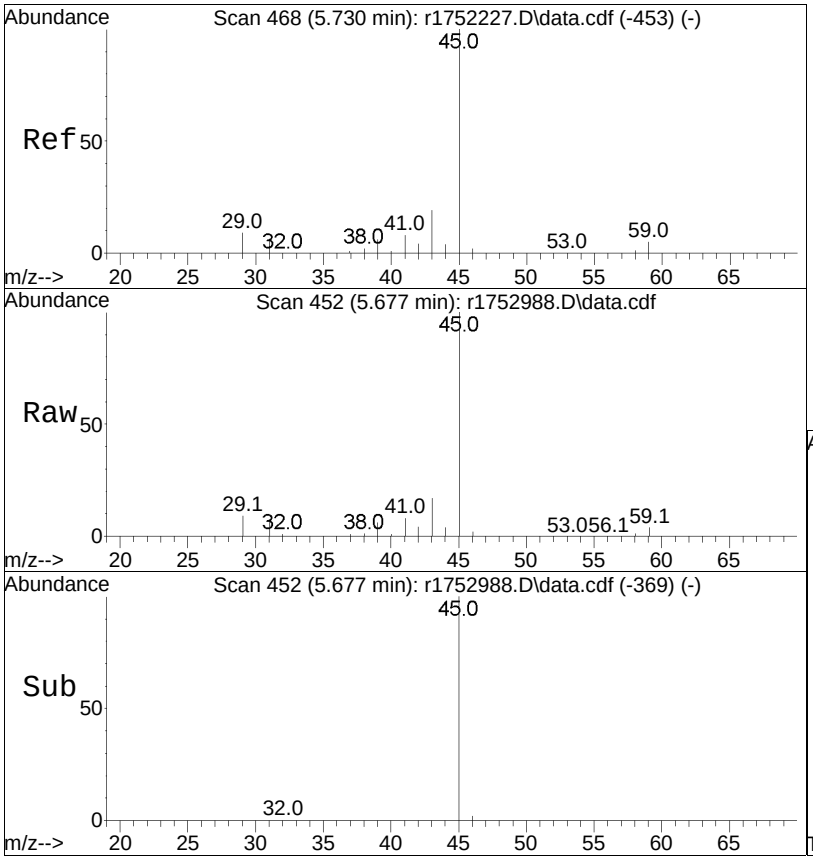


#21
trichlorofluoromethane
Concen: 0.17 ppbV
RT: 5.590 min Scan# 426
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:101 Resp: 8067

Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.2	75.2

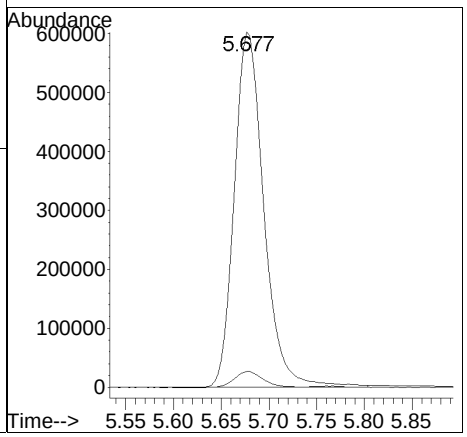


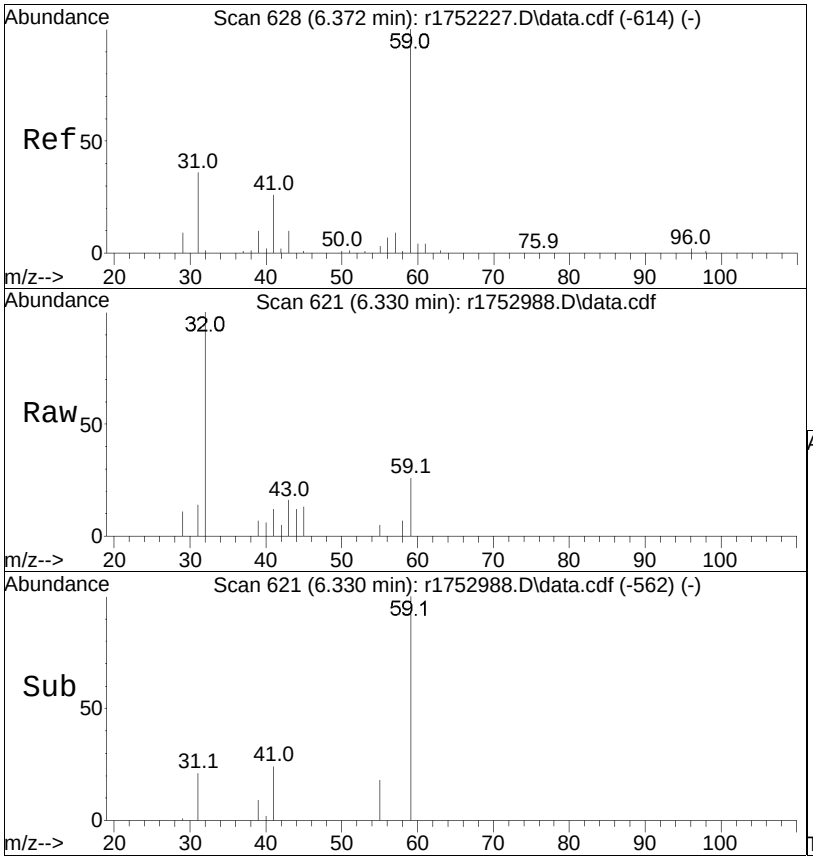


#22
isopropyl alcohol
Concen: 35.14 ppbV
RT: 5.677 min Scan# 452
Delta R.T. -0.053 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 45 Resp: 1299728

Ion	Ratio	Lower	Upper
45	100		
59	4.5	4.2	6.2

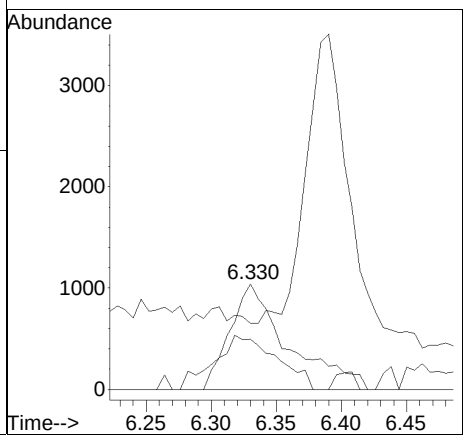


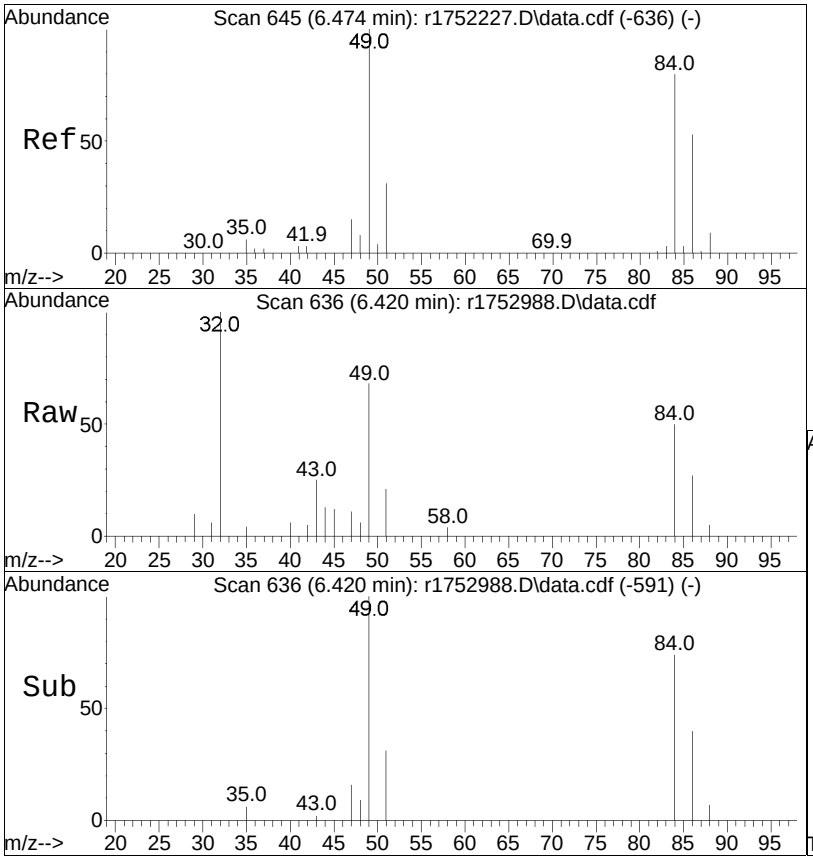


#27
tertiary butyl alcohol
Concen: 0.06 ppbV
RT: 6.330 min Scan# 621
Delta R.T. -0.042 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 59 Resp: 3177

Ion	Ratio	Lower	Upper
59	100		
41	47.5	20.9	31.3#
43	62.6	7.9	11.9#

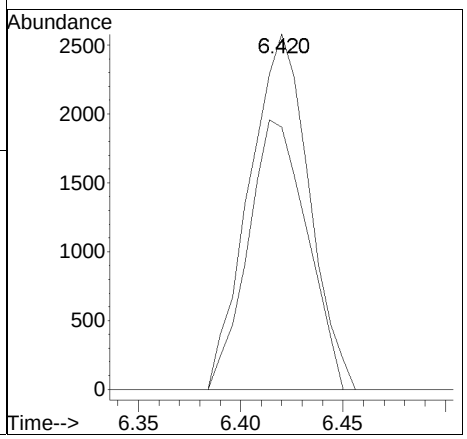


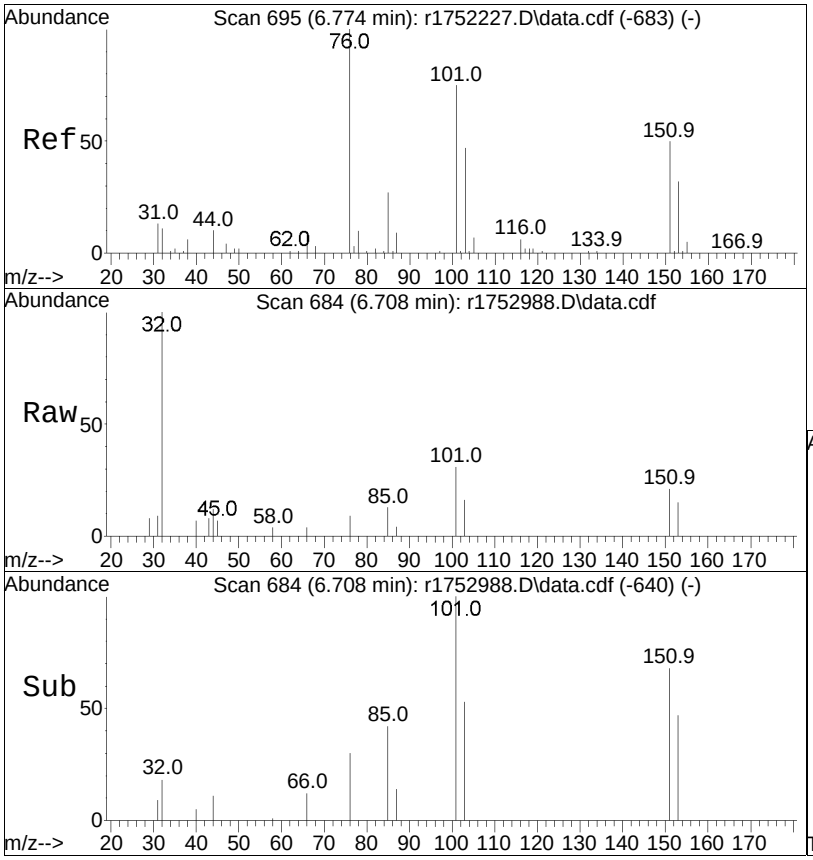


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.420 min Scan# 636
Delta R.T. -0.054 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 49 Resp: 5248

Ion	Ratio	Lower	Upper
49	100		
84	73.8	64.2	96.2

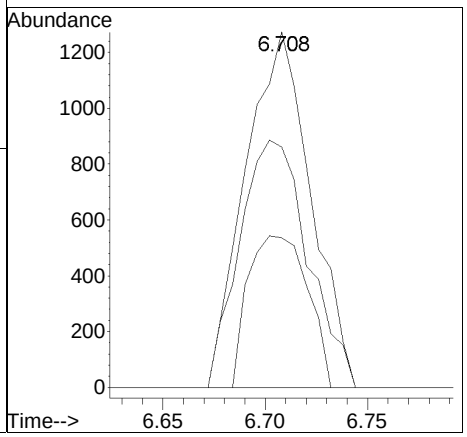


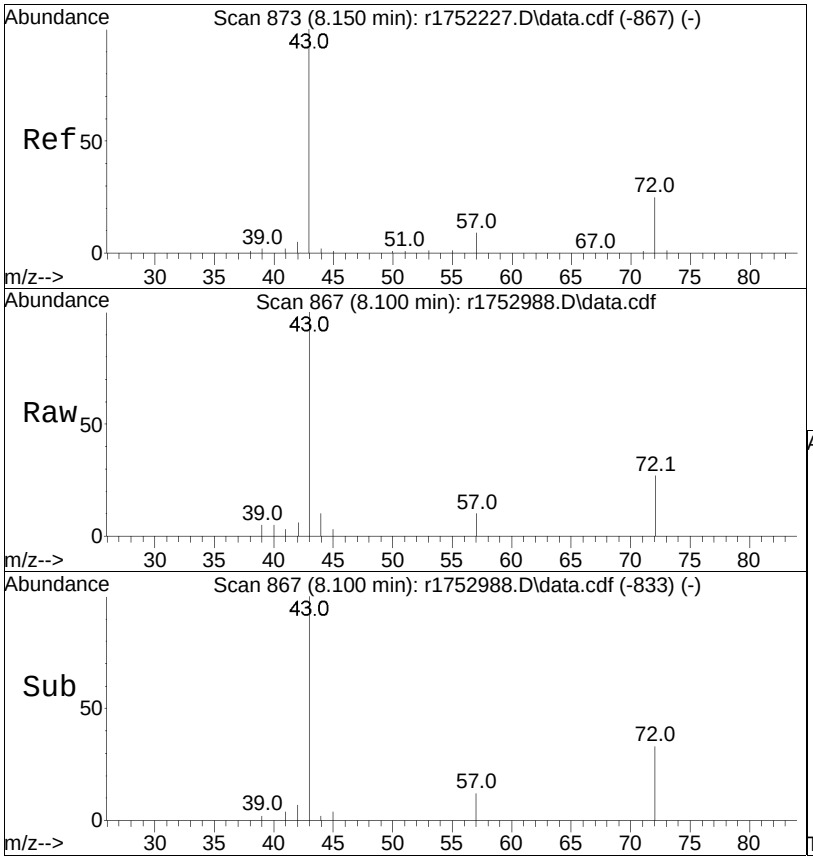


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.708 min Scan# 684
Delta R.T. -0.066 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:101 Resp: 2827

Ion	Ratio	Lower	Upper
101	100		
85	42.1	28.9	43.3
151	67.6	53.3	79.9

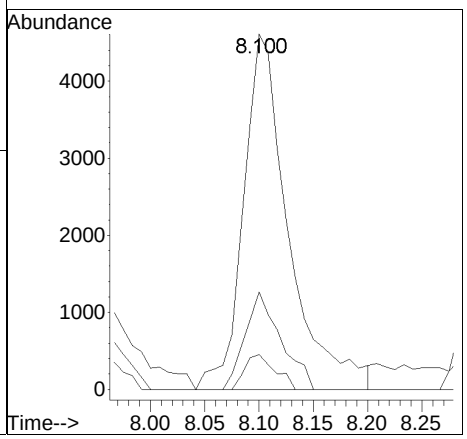


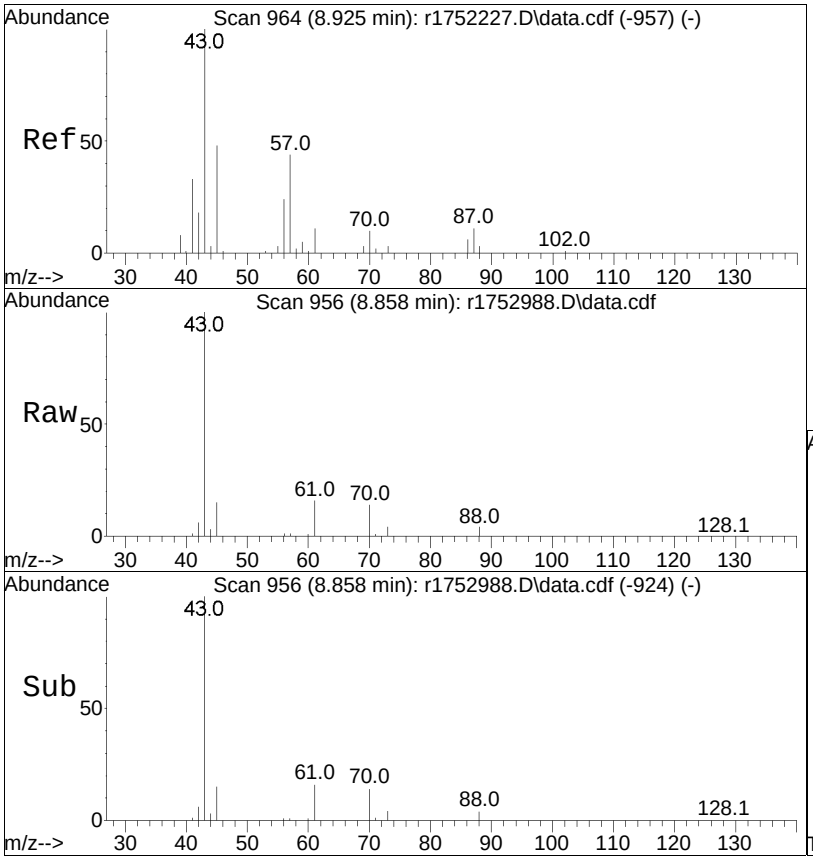


#36
2-butanone
Concen: 0.26 ppbV
RT: 8.100 min Scan# 867
Delta R.T. -0.050 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 43 Resp: 13333

Ion	Ratio	Lower	Upper
43	100		
72	27.5	19.9	29.9
57	9.8	7.2	10.8

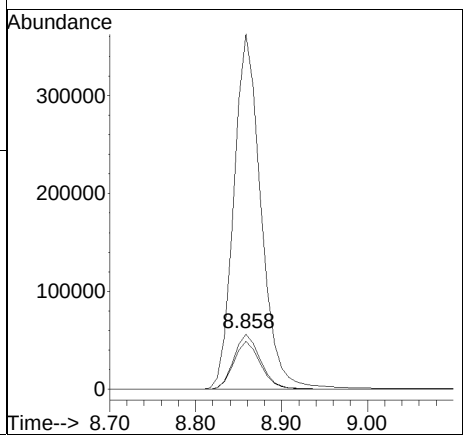


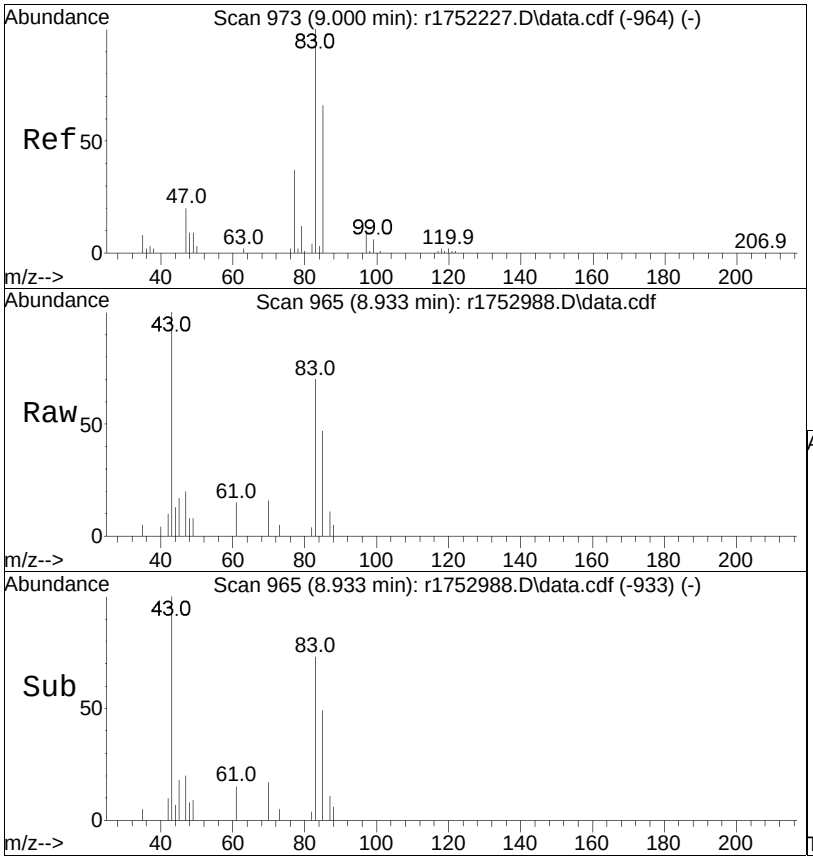


#38
Ethyl Acetate
Concen: 13.19 ppbV
RT: 8.858 min Scan# 956
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 61 Resp: 124227

Ion	Ratio	Lower	Upper
61	100		
70	86.9	68.4	102.6
43	643.1	727.4	1091.2#

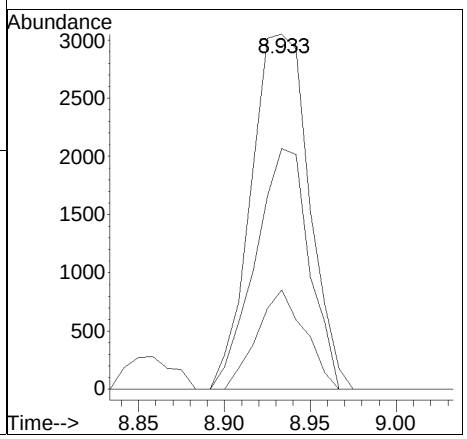


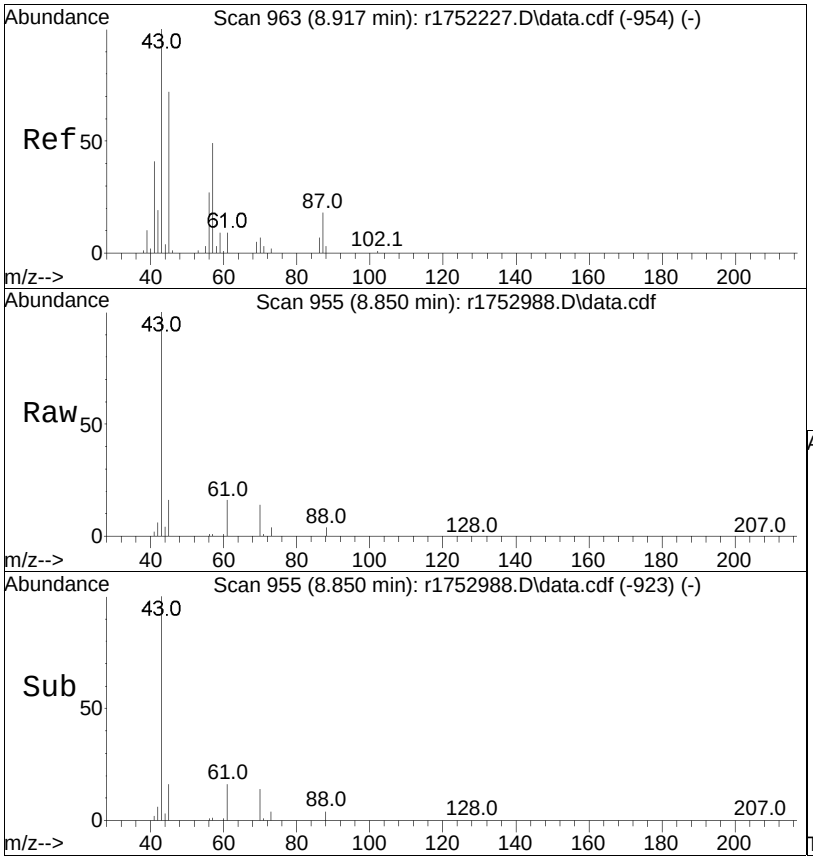


#39
chloroform
Concen: 0.16 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 83 Resp: 7184

Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.1	79.7
47	28.0	16.3	24.5#

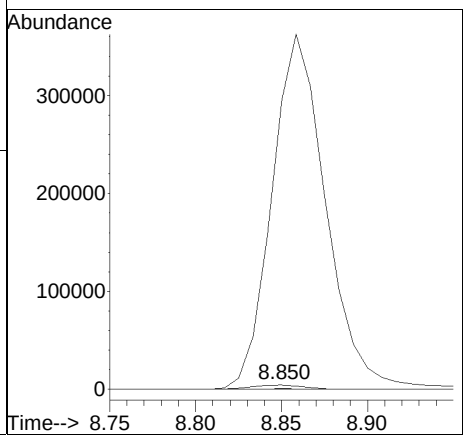


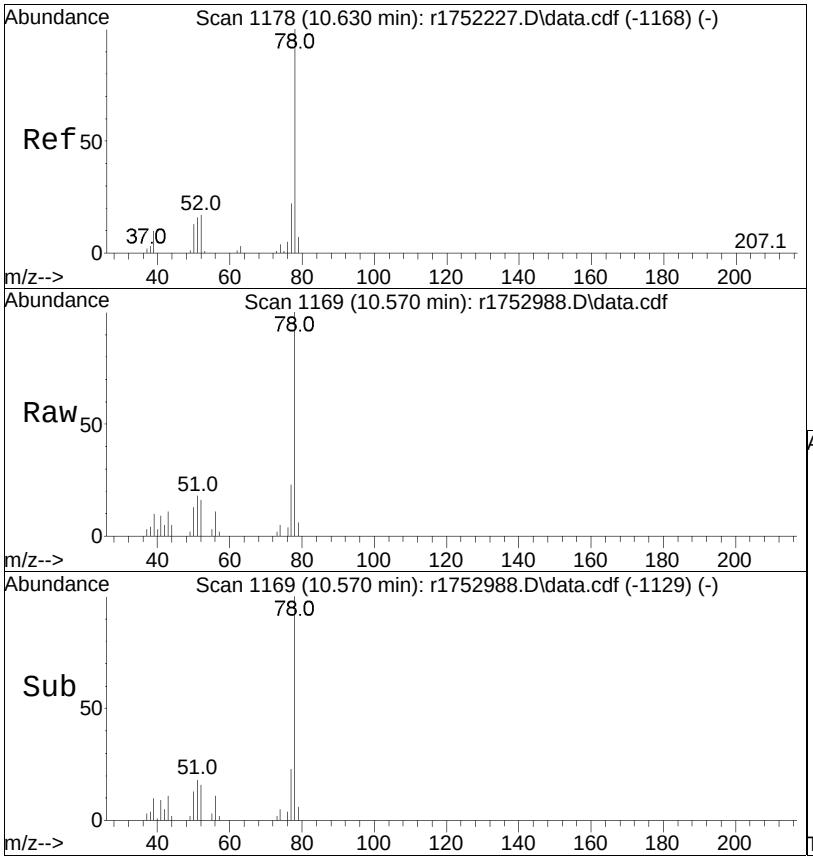


#44
hexane
Concen: 0.25 ppbV
RT: 8.850 min Scan# 955
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 57 Resp: 9742

Ion	Ratio	Lower	Upper
57	100		
43	6701.2	163.5	245.3#
86	16.0	11.7	17.5

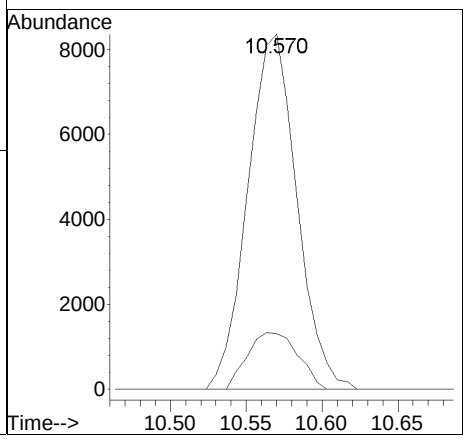


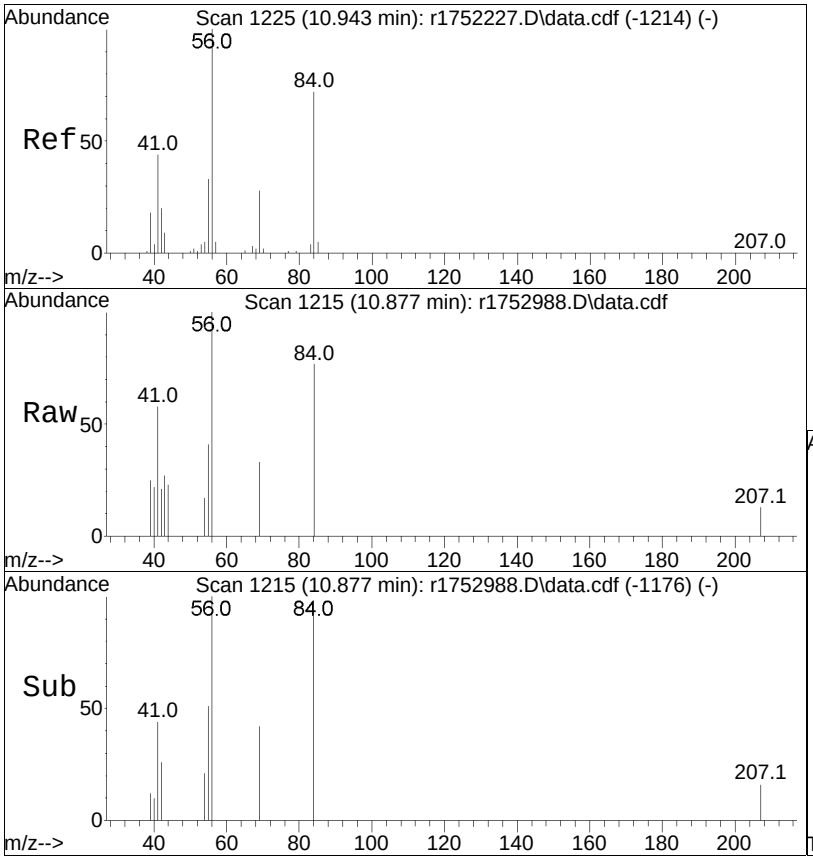


#50
benzene
Concen: 0.28 ppbV
RT: 10.570 min Scan# 1169
Delta R.T. -0.060 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 78 Resp: 18816

Ion	Ratio	Lower	Upper
78	100		
52	15.6	13.8	20.8

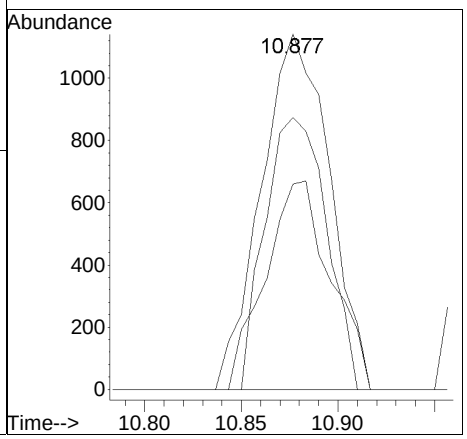


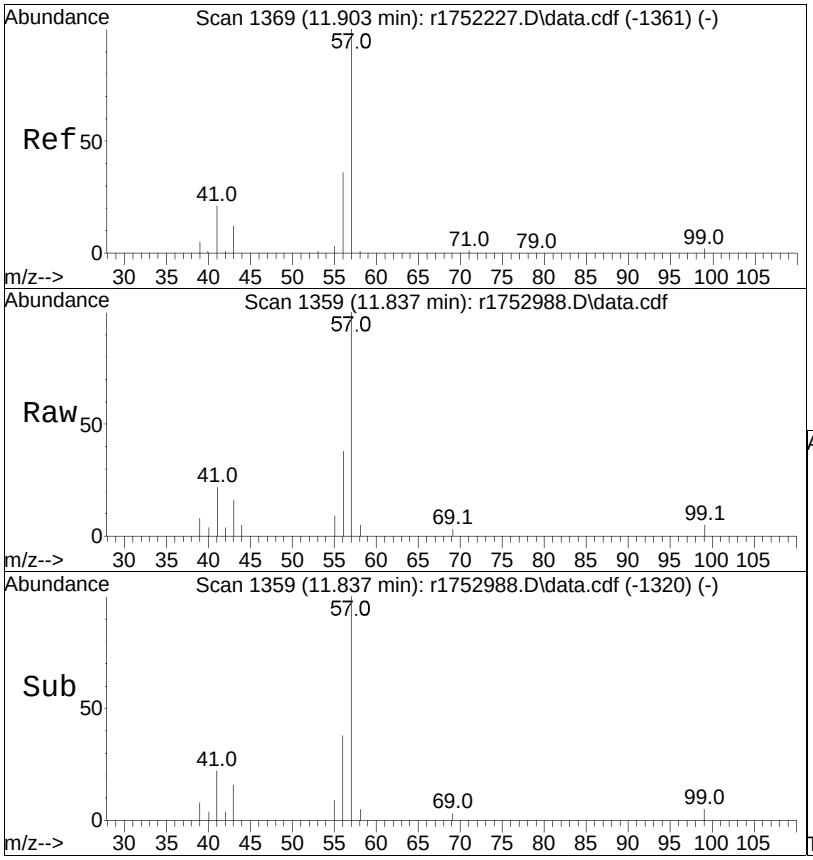


#53
cyclohexane
Concen: 0.07 ppbV m
RT: 10.877 min Scan# 1215
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 56 Resp: 2806

Ion	Ratio	Lower	Upper
56	100		
84	76.5	57.8	86.8
41	57.8	35.5	53.3#

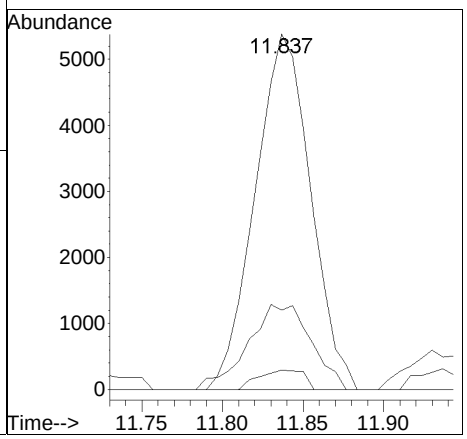


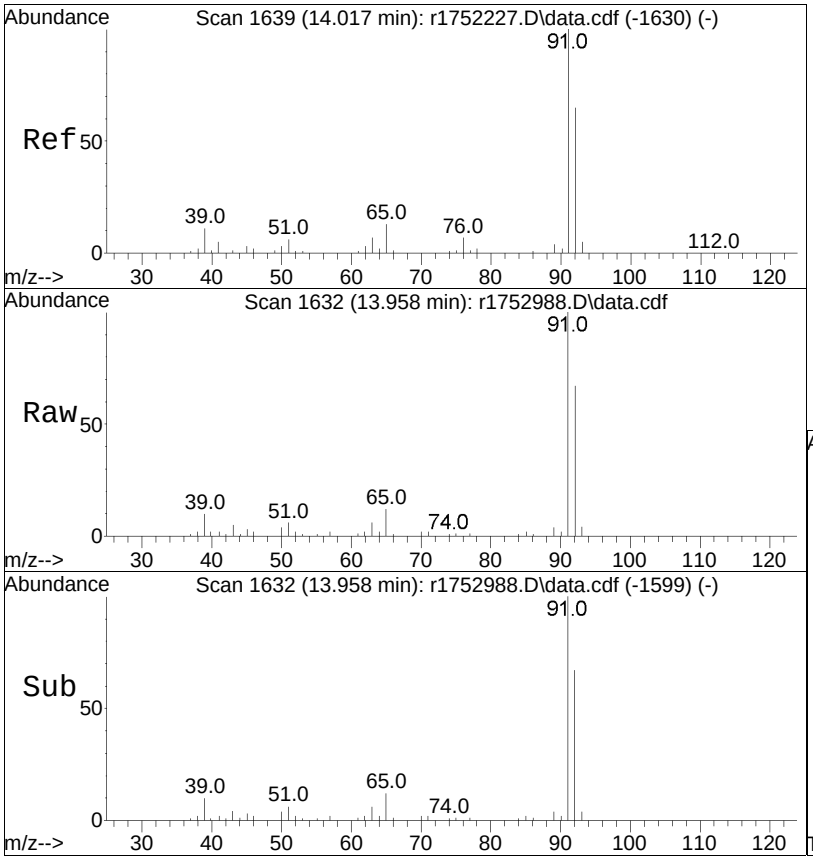


#60
2,2,4-trimethylpentane
Concen: 0.10 ppbV
RT: 11.837 min Scan# 1359
Delta R.T. -0.067 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 57 Resp: 12902

Ion	Ratio	Lower	Upper
57	100		
99	5.5	3.8	5.8
41	22.3	16.5	24.7

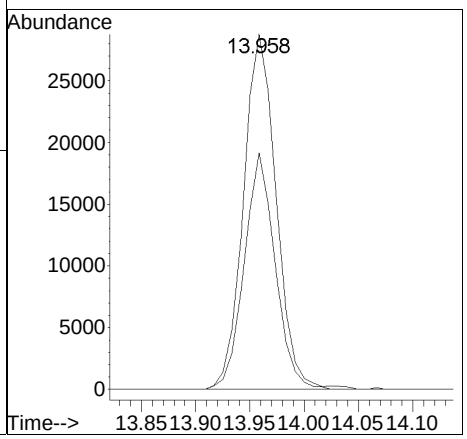


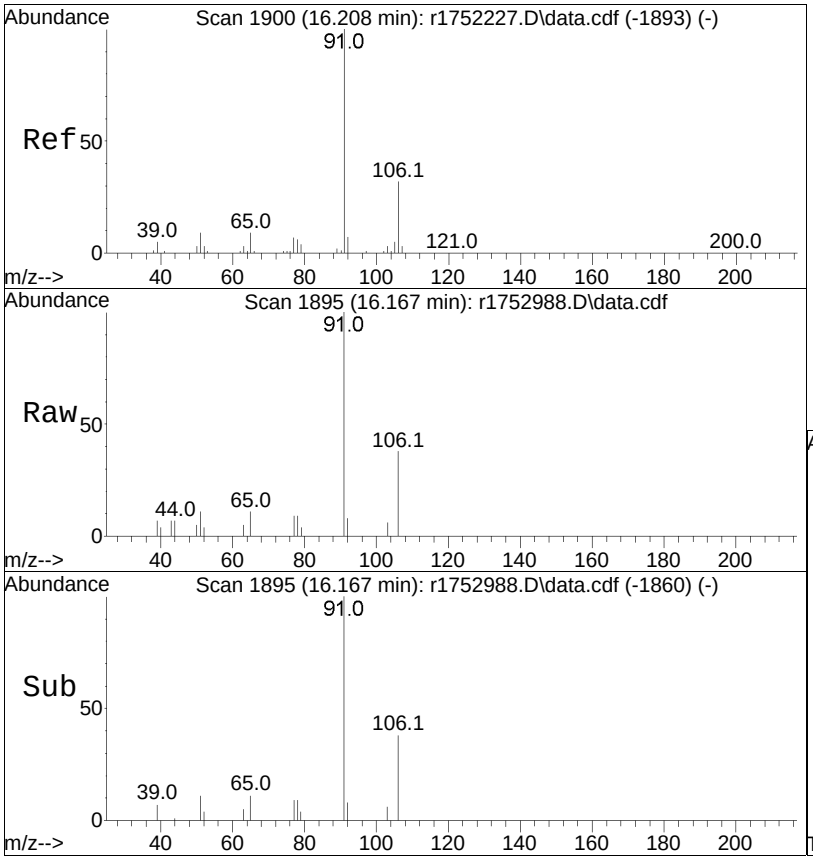


#68
toluene
Concen: 0.70 ppbV
RT: 13.958 min Scan# 1632
Delta R.T. -0.058 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 91 Resp: 60434

Ion	Ratio	Lower	Upper
91	100		
92	66.6	51.9	77.9

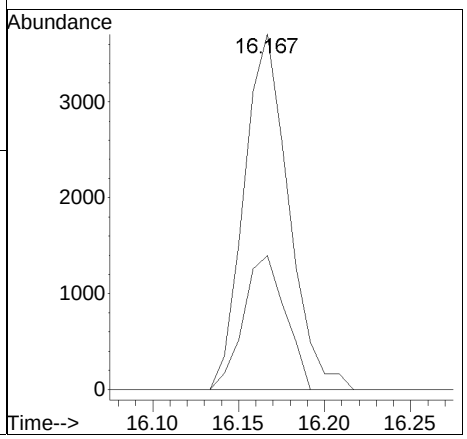


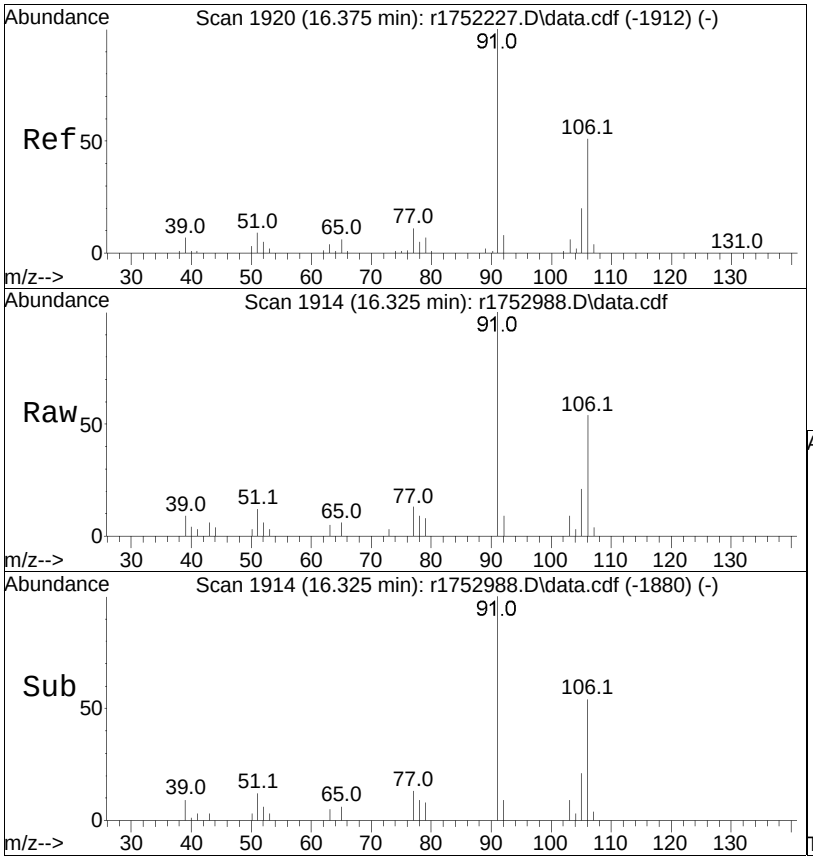


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 91 Resp: 6691

Ion	Ratio	Lower	Upper
91	100		
106	37.6	25.7	38.5

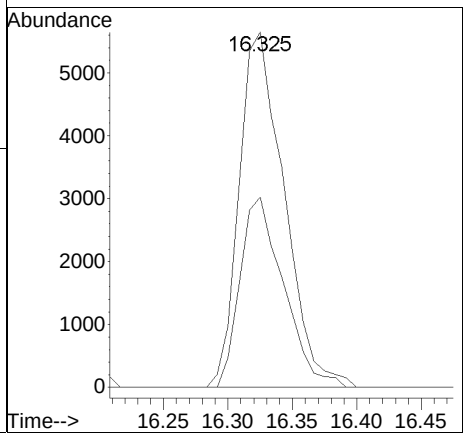


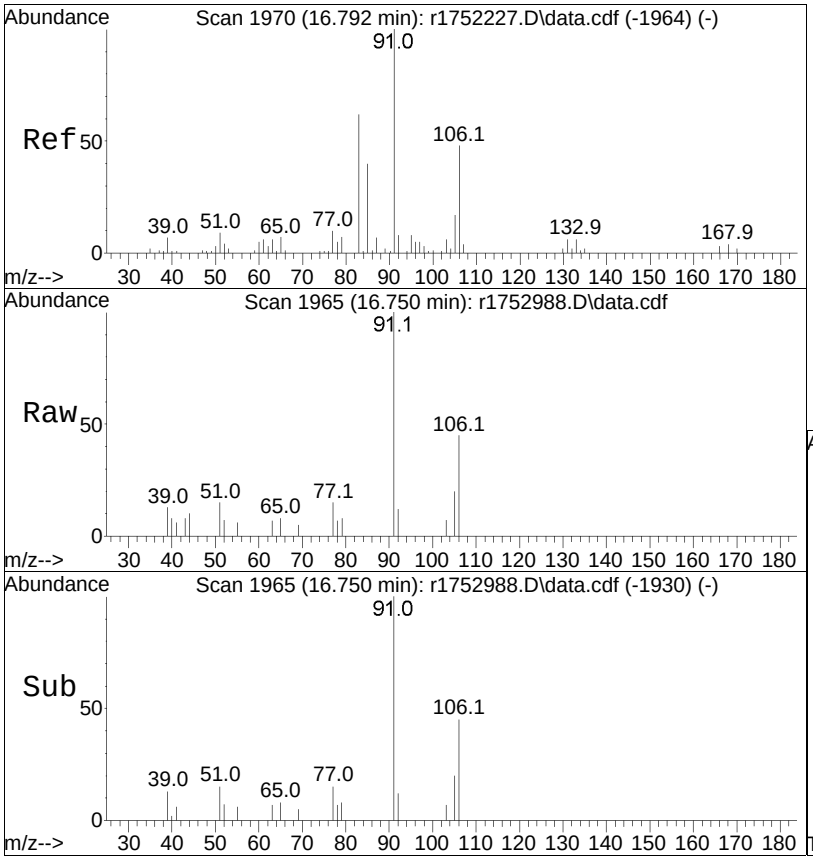


#83
m+p-xylene
Concen: 0.16 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 91 Resp: 13699

Ion	Ratio	Lower	Upper
91	100		
106	53.6	41.1	61.7

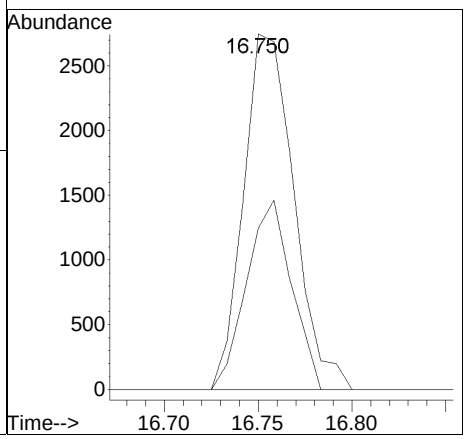


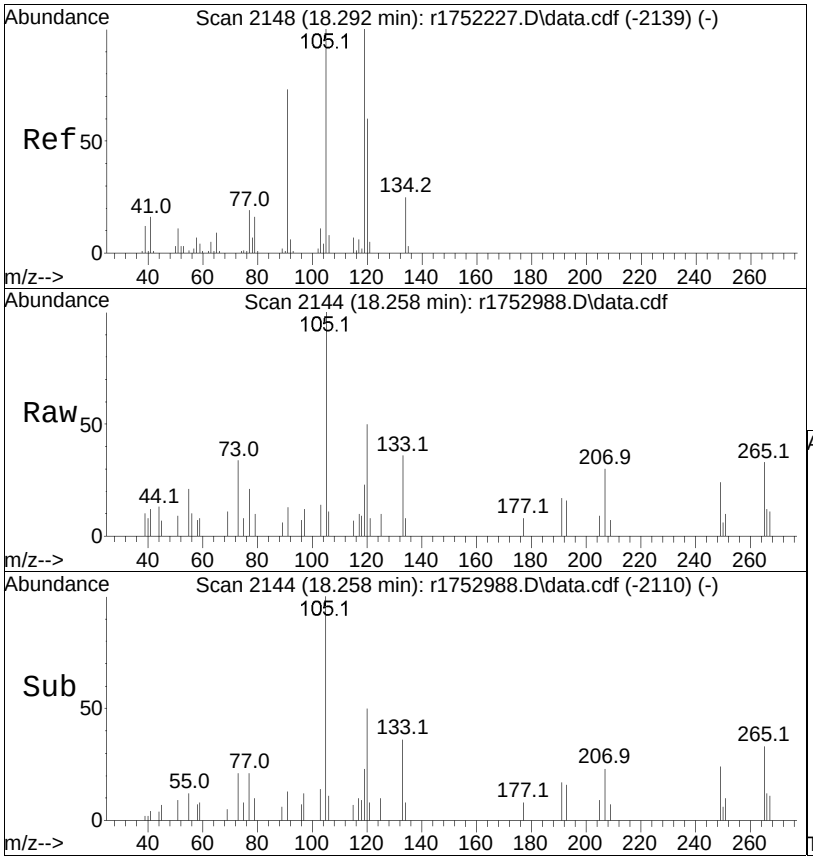


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.750 min Scan# 1965
Delta R.T. -0.042 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion: 91 Resp: 5132

Ion	Ratio	Lower	Upper
91	100		
106	45.4	38.4	57.6

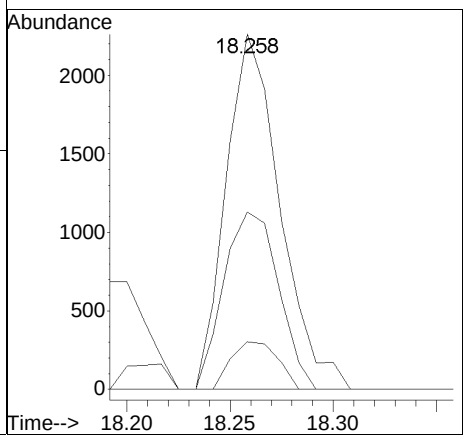




#99
1,2,4-trimethylbenzene
Concen: 0.04 ppbV
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752988.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:105 Resp: 4126

Ion	Ratio	Lower	Upper
105	100		
120	49.9	48.0	72.0
91	13.4	58.3	87.5#

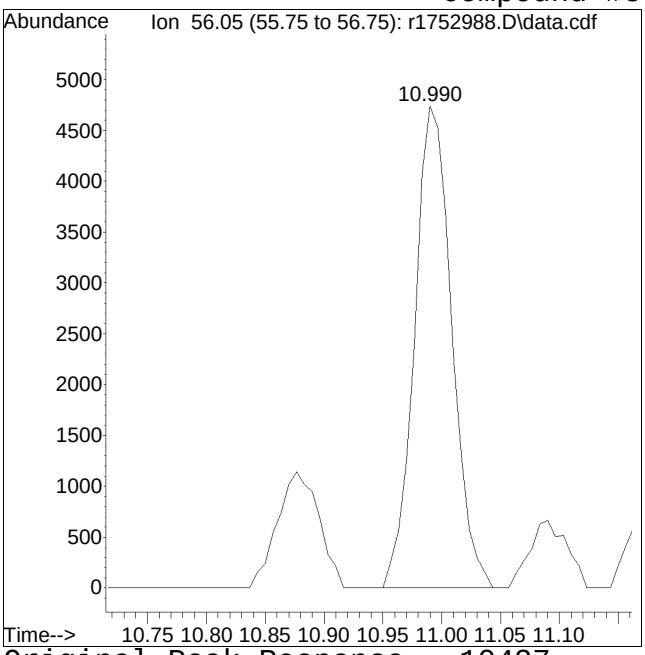


Manual Integration Report

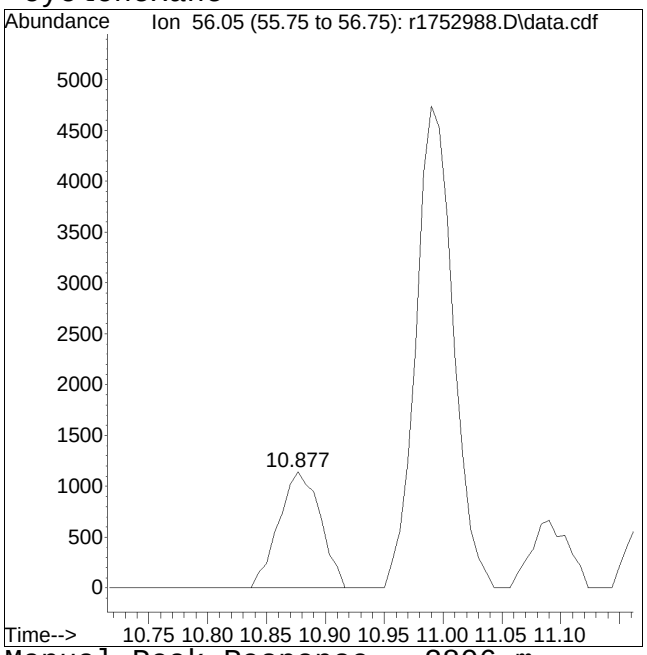
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752988.D
Date Inj'd : 12/18/2025 6:56 PM
Sample : L2577500-03,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:18 am

Compound #53: cyclohexane



Original Peak Response = 10427



Manual Peak Response = 2806 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752989.D
Acq On : 18 Dec 2025 7:34 PM
Operator : AIRLAB17:TPH
Sample : L2577500-04,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:03 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.817	49	318253	10.000	ppbV	-0.03
Standard Area = 341577			Recovery = 93.17%			
43) 1,4-difluorobenzene	11.010	114	854115	10.000	ppbV	-0.04
Standard Area = 849055			Recovery = 100.60%			
67) chlorobenzene-D5	15.767	54	130582	10.000	ppbV	-0.04
Standard Area = 140112			Recovery = 93.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.850	85	22329	0.498	ppbV	99
6) chloromethane	4.000	50	13113	0.652	ppbV	98
7) Freon-114	4.102		0	N.D.		
10) 1,3-butadiene	4.354	54	808	0.044	ppbV	82
13) bromomethane	4.618		0	N.D.		
14) chloroethane	4.792		0	N.D.		
15) ethanol	5.026	31	18281611	999.682	ppbV #	78
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.413	43	93313178m	3022.261	ppbV	
21) trichlorofluoromethane	0.000		0	N.D.	d	
22) isopropyl alcohol	5.750	45	29048001	828.863	ppbV #	89
27) tertiary butyl alcohol	6.366	59	50963	1.018	ppbV #	60
28) methylene chloride	6.462	49	5077	0.193	ppbV	93
29) 3-chloropropene	6.468		0	N.D.		
30) carbon disulfide	6.702	76	8777	0.144	ppbV #	57
31) Freon 113	6.714	101	2895	0.061	ppbV #	88
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.758		0	N.D.		
36) 2-butanone	8.125	43	58598	1.202	ppbV	92
38) Ethyl Acetate	8.892	61	4555631	510.475	ppbV #	1
39) chloroform	8.975	83	69174	1.650	ppbV	99
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.792	62	1590	0.055	ppbV #	91
44) hexane	8.850	57	90664	2.211	ppbV #	1
50) benzene	10.590	78	25538	0.358	ppbV	97
53) cyclohexane	10.877	56	18537	0.428	ppbV	98
56) 1,2-dichloropropane	11.530		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752989.D
Acq On : 18 Dec 2025 7:34 PM
Operator : AIRLAB17:TPH
Sample : L2577500-04,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:03 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

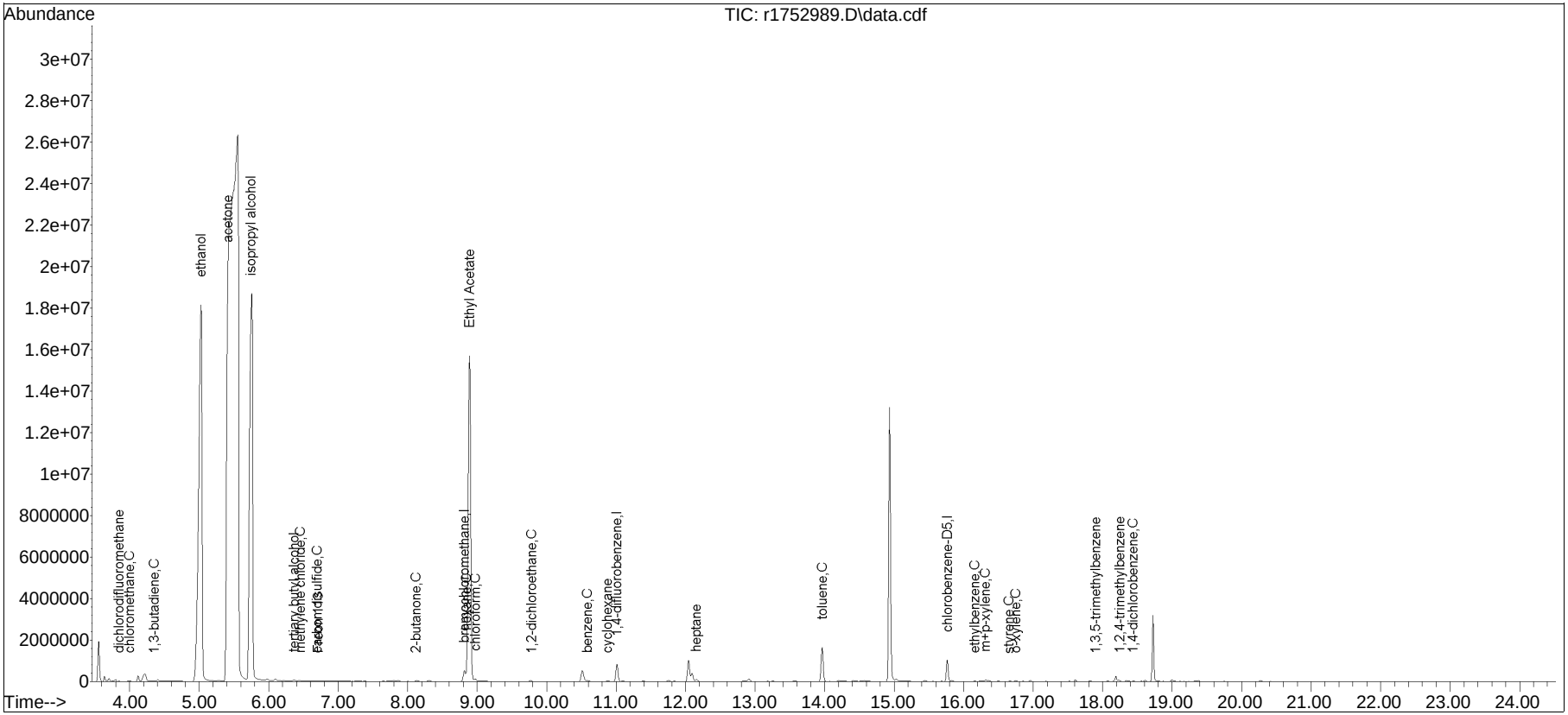
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.817		0	N.D.		
58) 1,4-dioxane	11.790		0	N.D.		
60) 2,2,4-trimethylpentane	11.923		0	N.D.		
62) heptane	12.157	43	52169	1.200	ppbV #	82
63) cis-1,3-dichloropropene	12.825		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.967	91	1467162	16.305	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.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.167	91	21826	0.191	ppbV	96
83) m+p-xylene	16.317	91	59284	0.654	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.658	104	5190	0.077	ppbV	93
86) 1,1,2,2-tetrachloroethane	16.792		0	N.D.		
87) o-xylene	16.750	91	18073	0.200	ppbV	98
96) 4-ethyl toluene	17.842		0	N.D.		
97) 1,3,5-trimethylbenzene	17.900	105	3253	0.034	ppbV	99
99) 1,2,4-trimethylbenzene	18.250	105	9372	0.098	ppbV #	58
101) Benzyl Chloride	0.000		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	18.442	146	11458	0.190	ppbV #	90
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.333		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

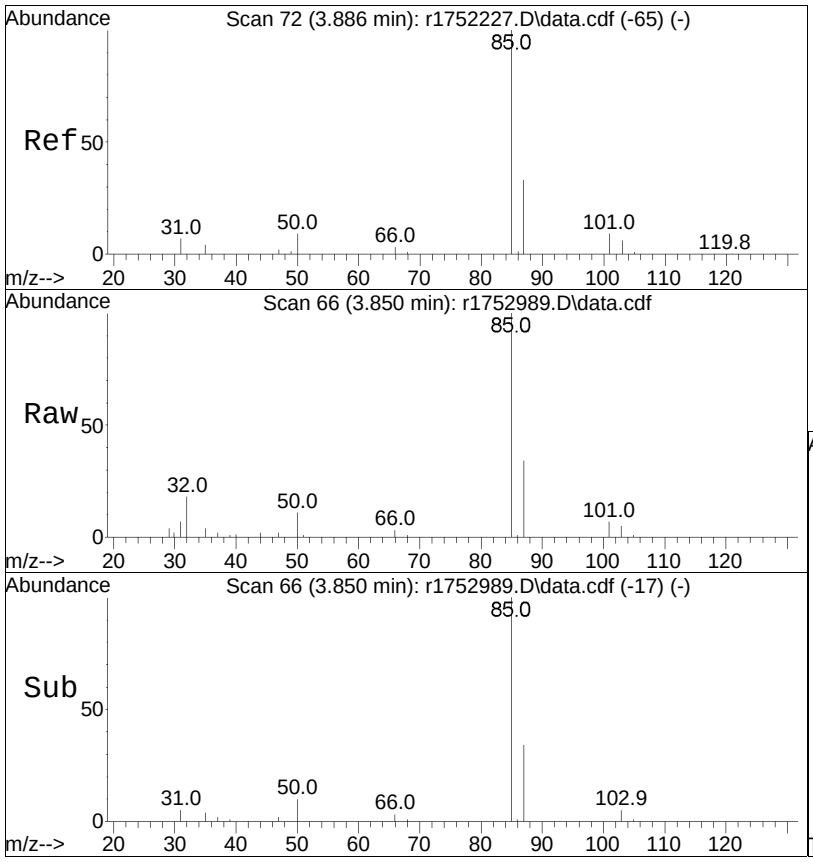
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752989.D
Acq On : 18 Dec 2025 7:34 PM
Operator : AIRLAB17:TPH
Sample : L2577500-04,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:03 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

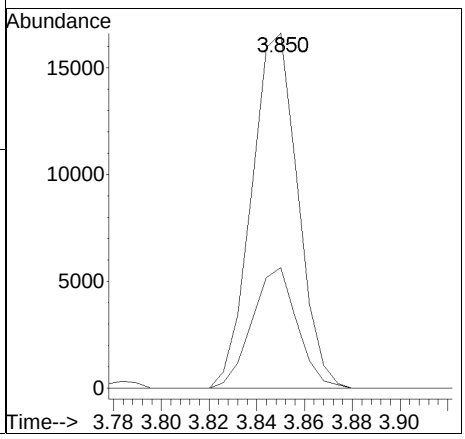


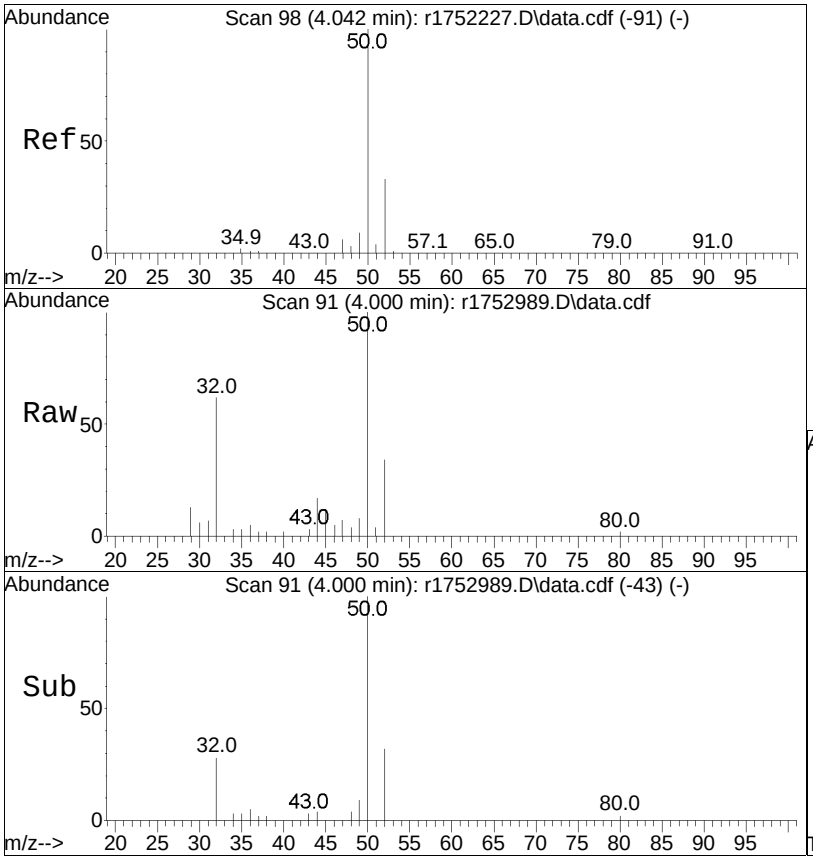


#5
dichlorodifluoromethane
Concen: 0.50 ppbV
RT: 3.850 min Scan# 66
Delta R.T. -0.036 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 85 Resp: 22329

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.7	40.1

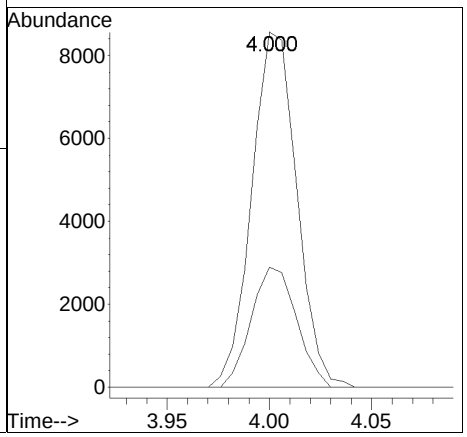


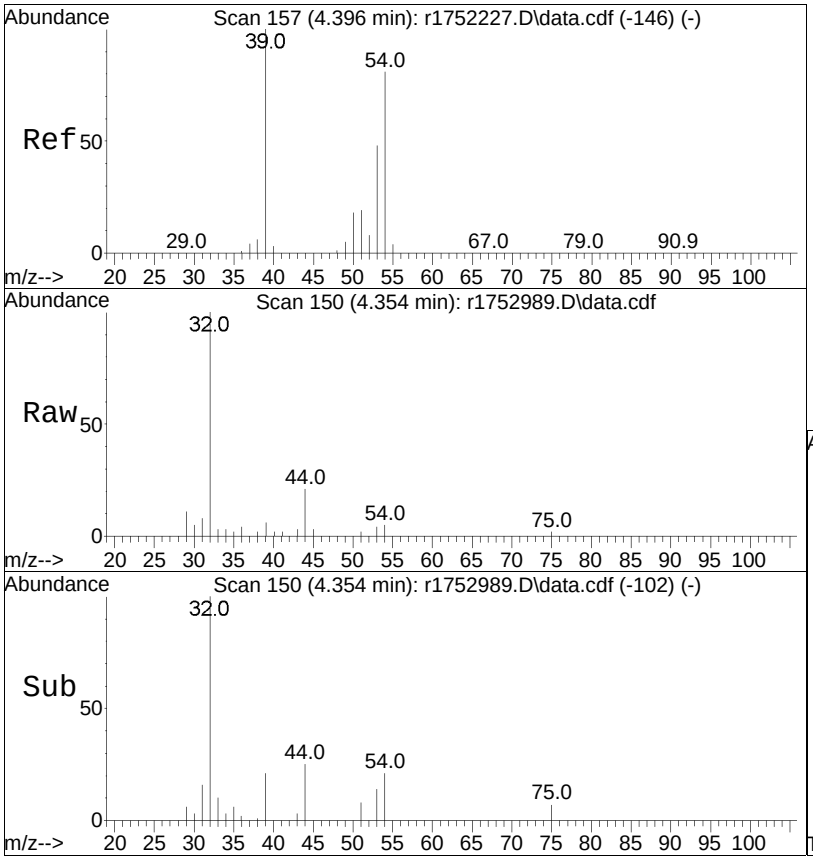


#6
chloromethane
Concen: 0.65 ppbV
RT: 4.000 min Scan# 91
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 50 Resp: 13113

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1

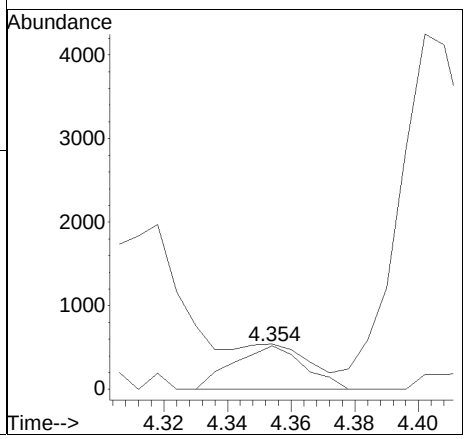


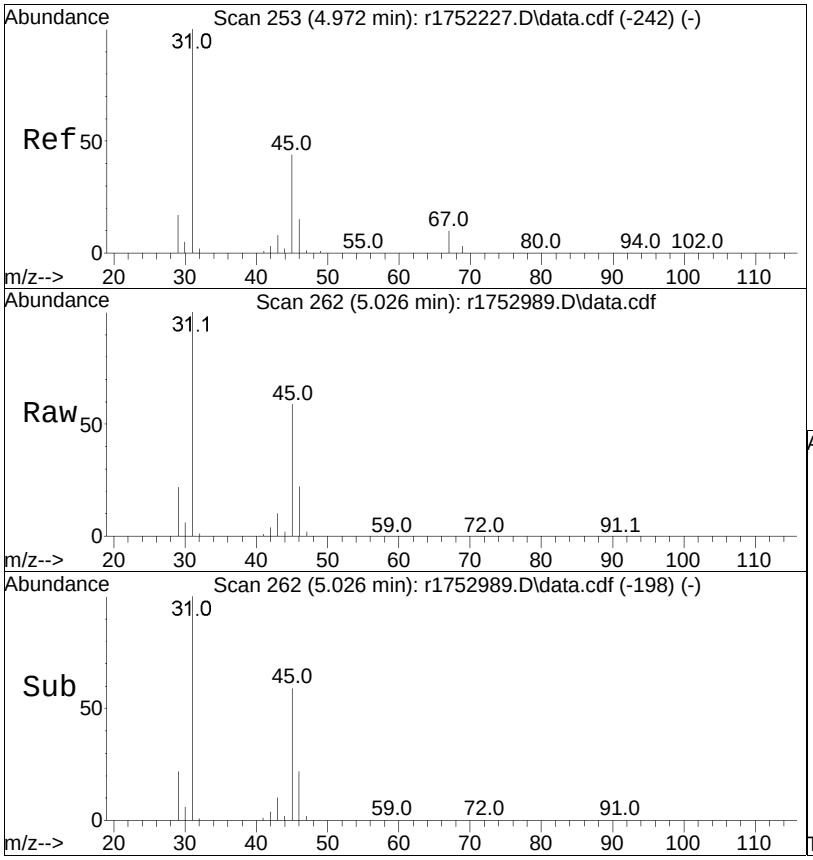


#10
1,3-butadiene
Concen: 0.04 ppbV
RT: 4.354 min Scan# 150
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 54 Resp: 808

Ion	Ratio	Lower	Upper
54	100		
39	104.0	99.8	149.8

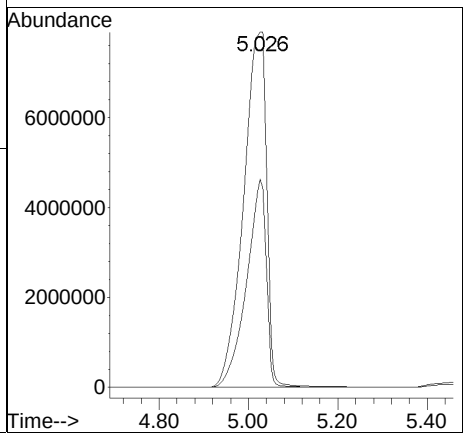


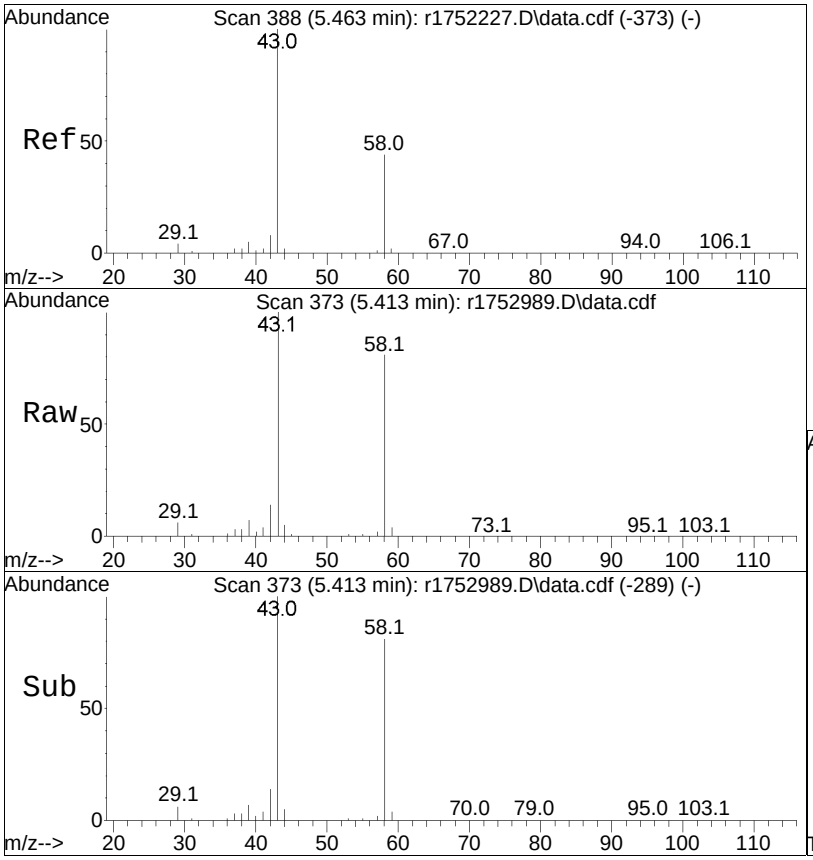


#15
ethanol
Concen: 999.68 ppbV
RT: 5.026 min Scan# 262
Delta R.T. 0.054 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 31 Resp:18281611

Ion	Ratio	Lower	Upper
31	100		
45	58.6	35.3	52.9#

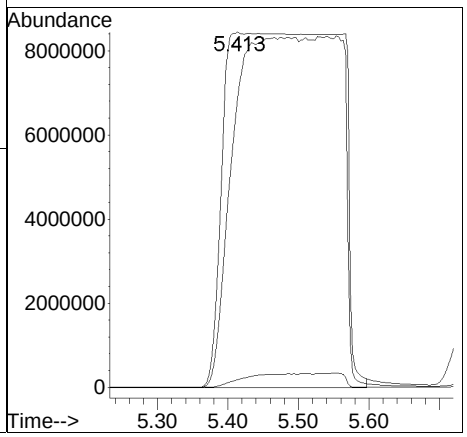


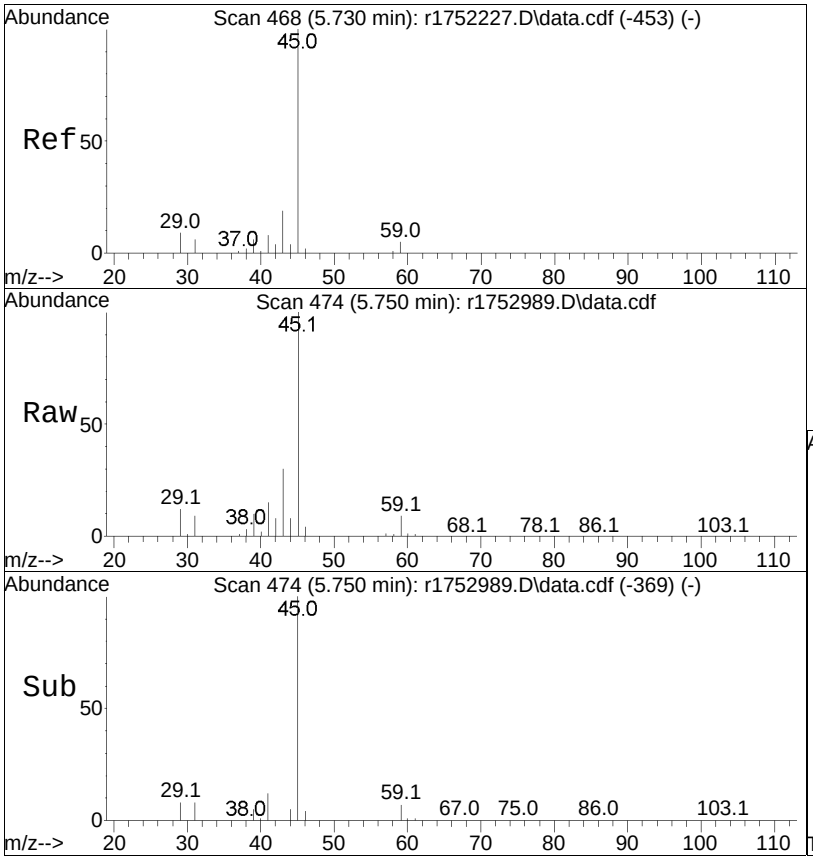


#19
acetone
Concen: 3022.26 ppbV m
RT: 5.413 min Scan# 373
Delta R.T. -0.050 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 43 Resp:93313178

Ion	Ratio	Lower	Upper
43	100		
58	80.9	35.1	52.7#
57	2.1	0.9	1.3#

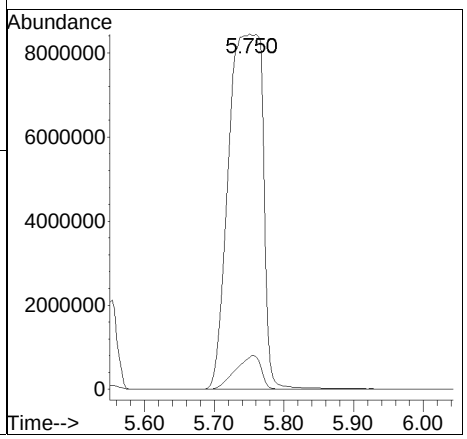


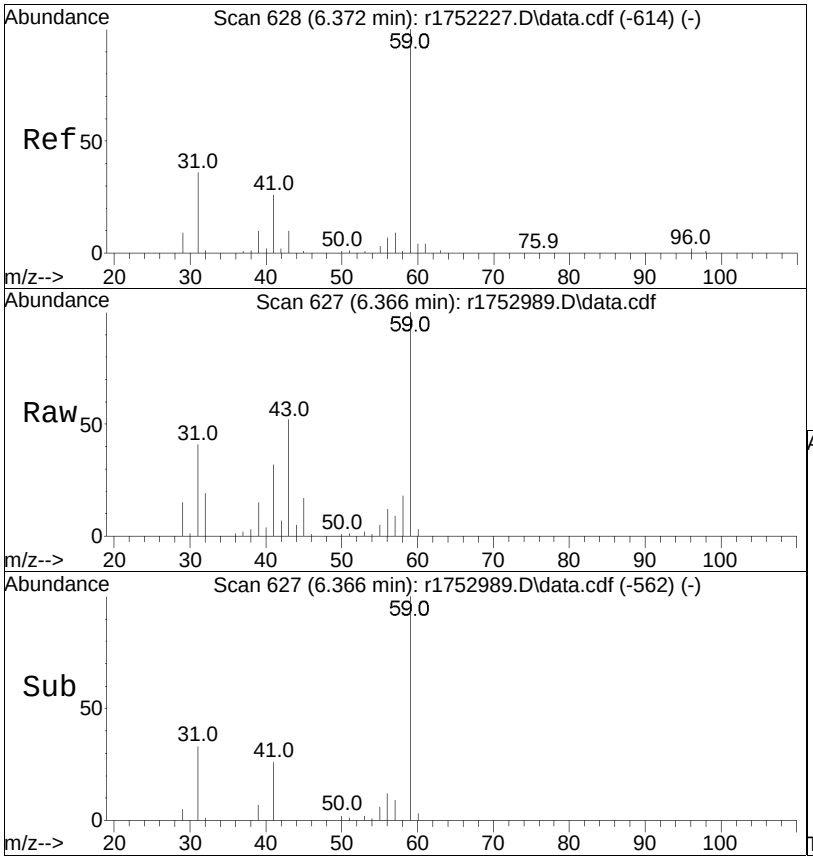


#22
isopropyl alcohol
Concen: 828.86 ppbV
RT: 5.750 min Scan# 474
Delta R.T. 0.020 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 45 Resp:29048001

Ion	Ratio	Lower	Upper
45	100		
59	8.9	4.2	6.2#

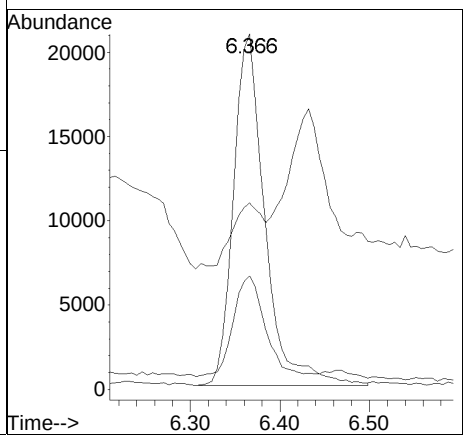


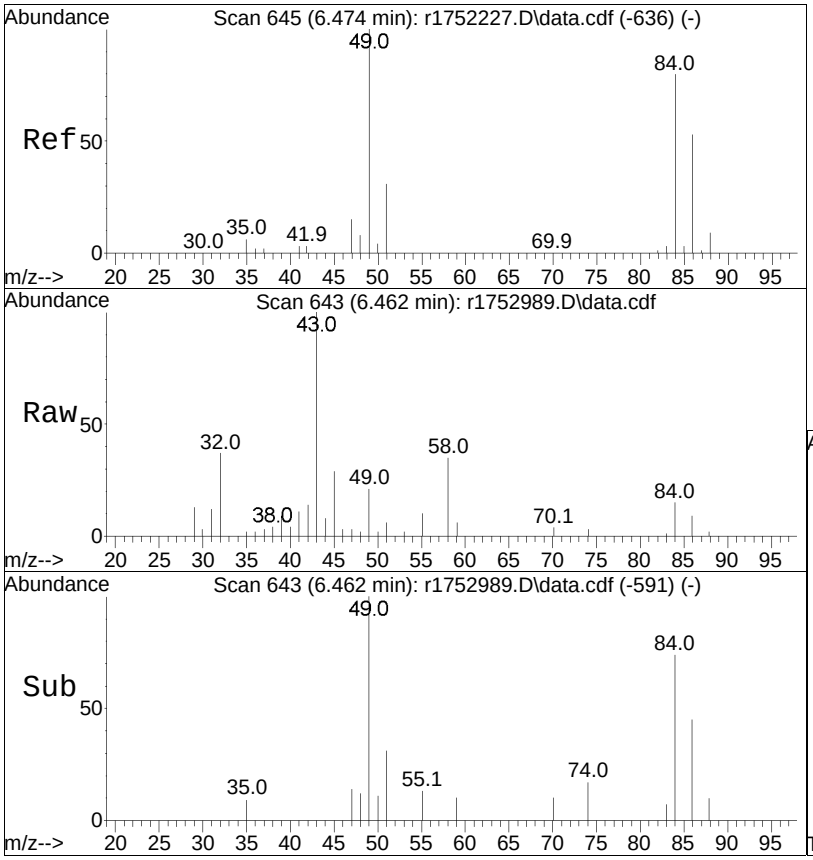


#27
tertiary butyl alcohol
Concen: 1.02 ppbV
RT: 6.366 min Scan# 627
Delta R.T. -0.006 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 59 Resp: 50963

Ion	Ratio	Lower	Upper
59	100		
41	32.0	20.9	31.3#
43	52.5	7.9	11.9#

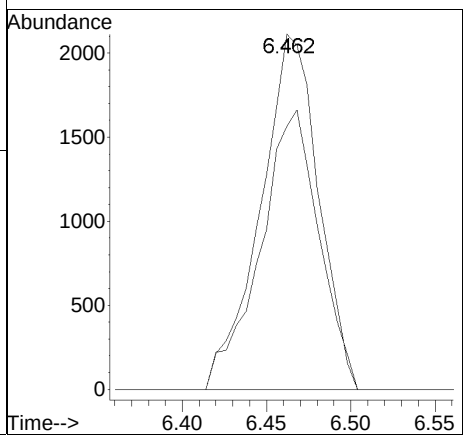


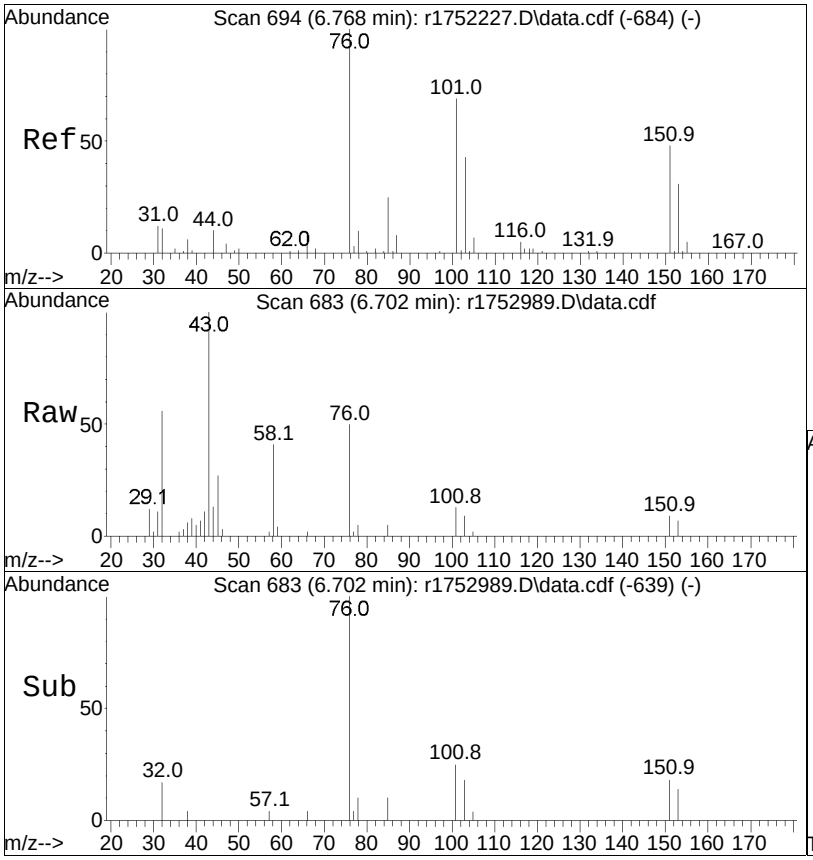


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.462 min Scan# 643
Delta R.T. -0.012 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 49 Resp: 5077

Ion	Ratio	Lower	Upper
49	100		
84	74.0	64.2	96.2

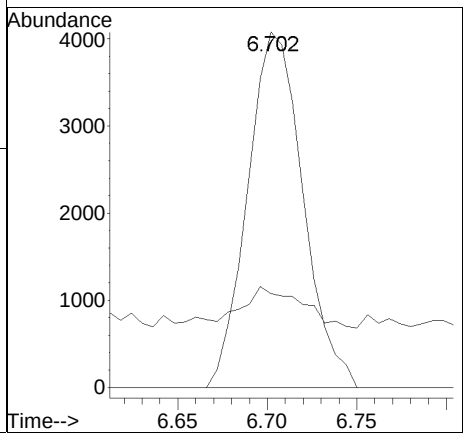


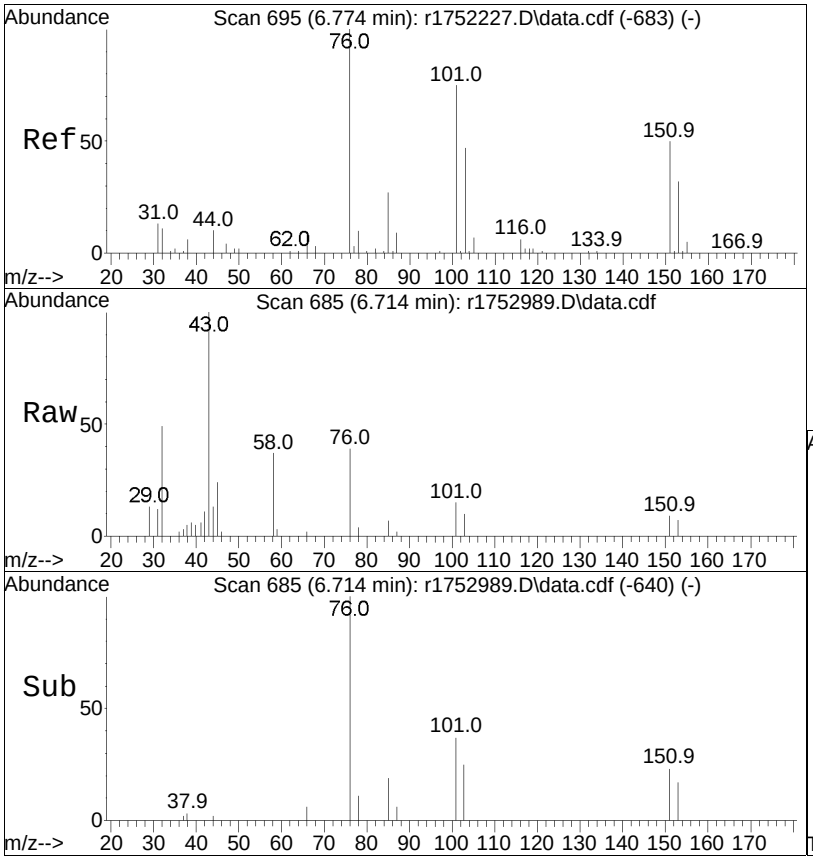


#30
carbon disulfide
Concen: 0.14 ppbV
RT: 6.702 min Scan# 683
Delta R.T. -0.066 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 76 Resp: 8777

Ion	Ratio	Lower	Upper
76	100		
44	26.4	8.3	12.5#

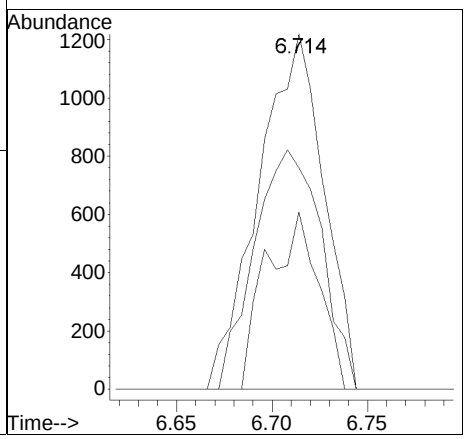


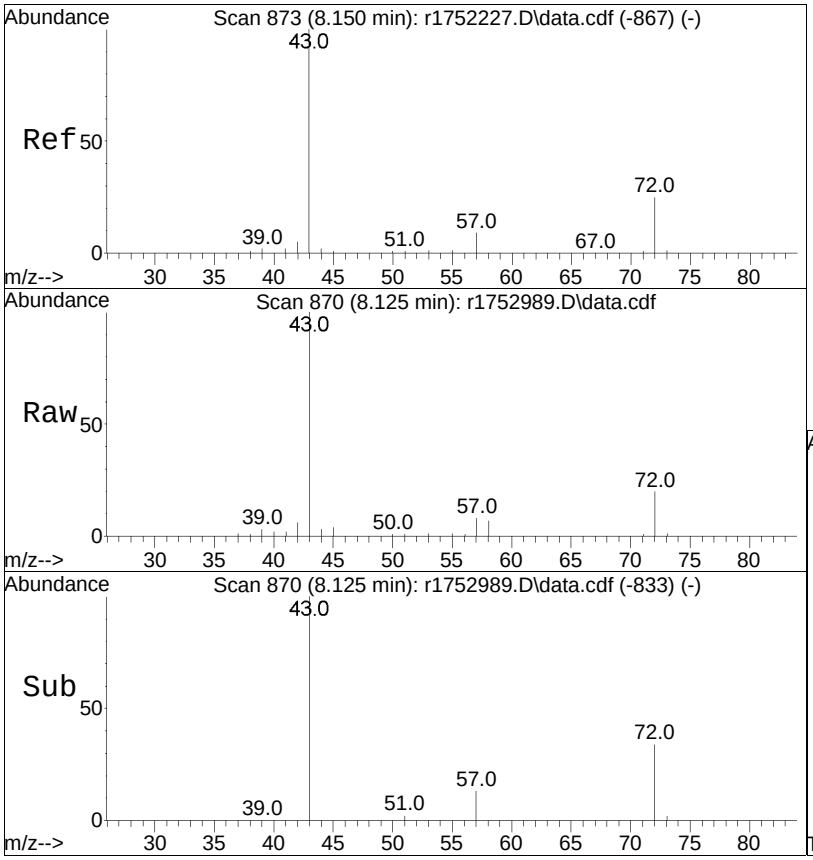


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.714 min Scan# 685
Delta R.T. -0.060 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:101 Resp: 2895

Ion	Ratio	Lower	Upper
101	100		
85	50.0	28.9	43.3#
151	62.3	53.3	79.9

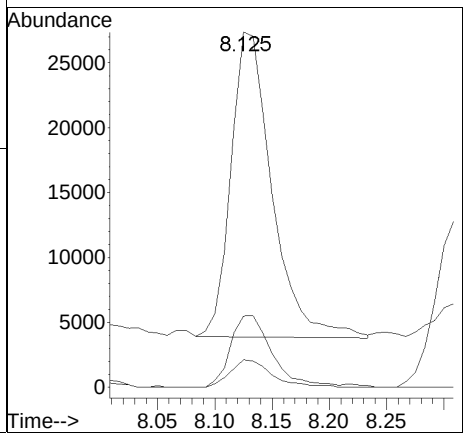


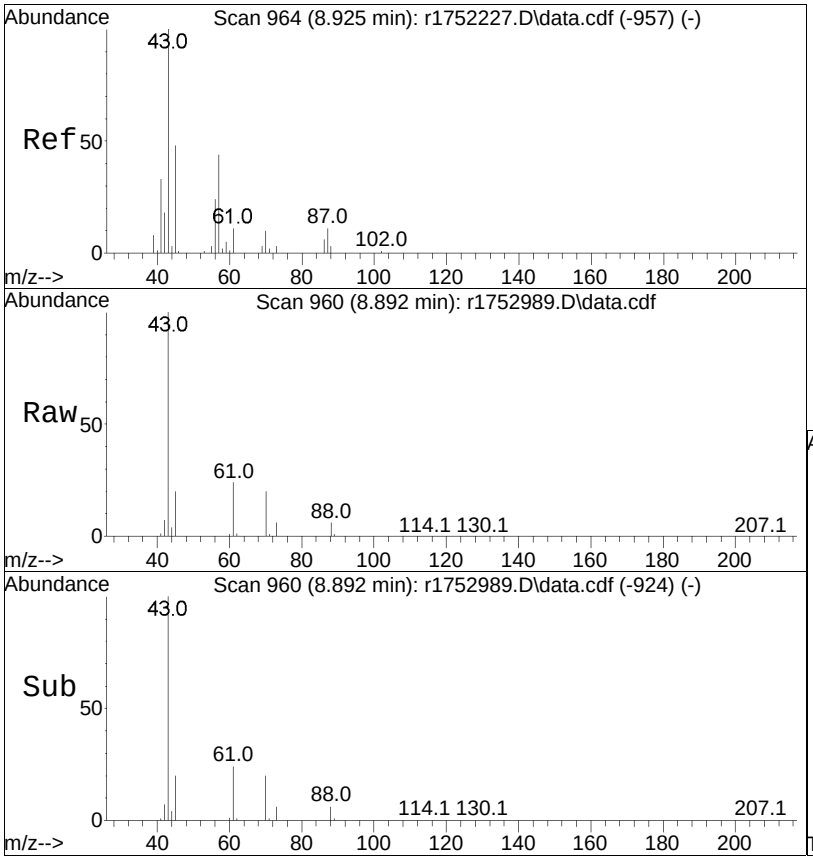


#36
2-butanone
Concen: 1.20 ppbV
RT: 8.125 min Scan# 870
Delta R.T. -0.025 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 43 Resp: 58598

Ion	Ratio	Lower	Upper
43	100		
72	20.1	19.9	29.9
57	7.8	7.2	10.8

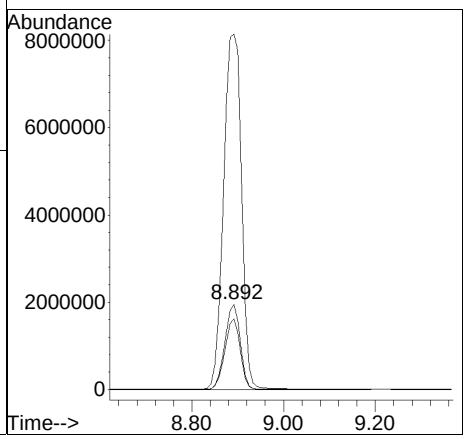


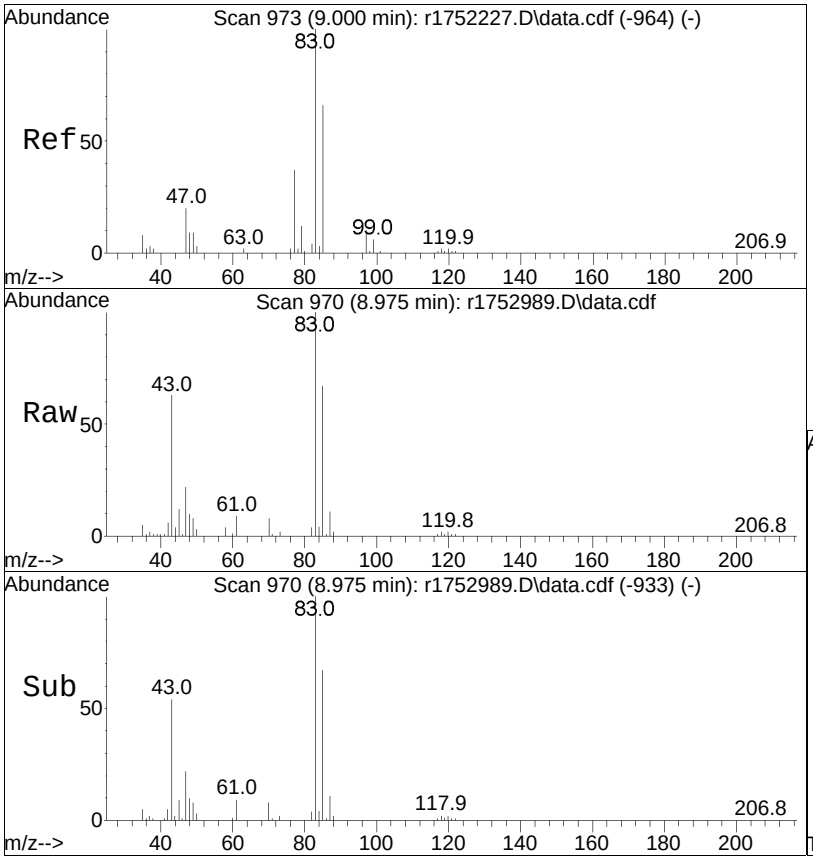


#38
Ethyl Acetate
Concen: 510.48 ppbV
RT: 8.892 min Scan# 960
Delta R.T. -0.033 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 61 Resp: 4555631

Ion	Ratio	Lower	Upper
61	100		
70	83.2	68.4	102.6
43	419.0	727.4	1091.2#

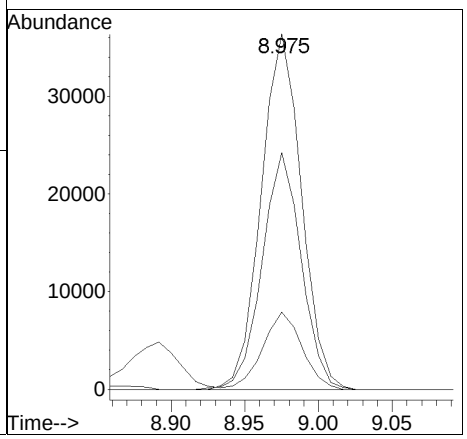


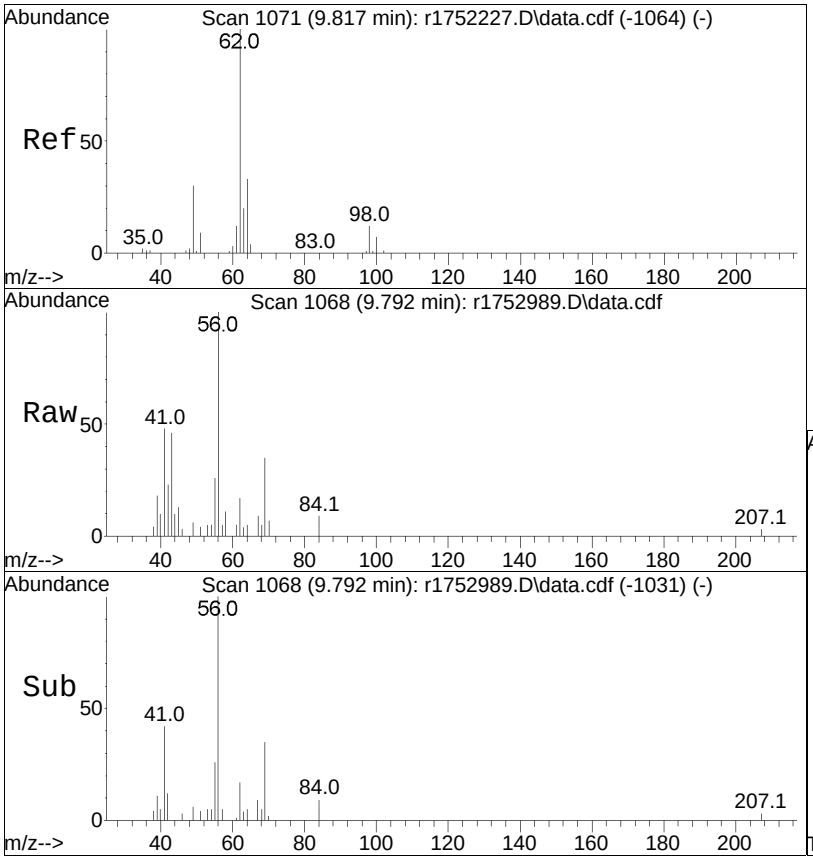


#39
chloroform
Concen: 1.65 ppbV
RT: 8.975 min Scan# 970
Delta R.T. -0.025 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 83 Resp: 69174

Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.1	79.7
47	21.7	16.3	24.5

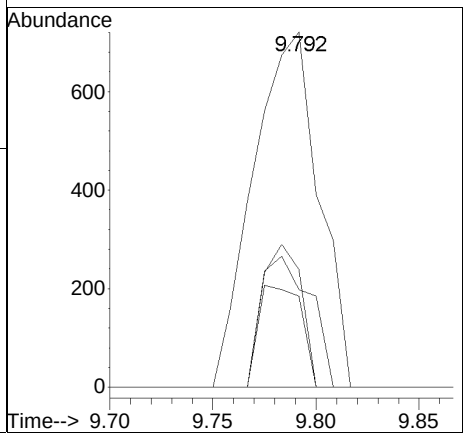


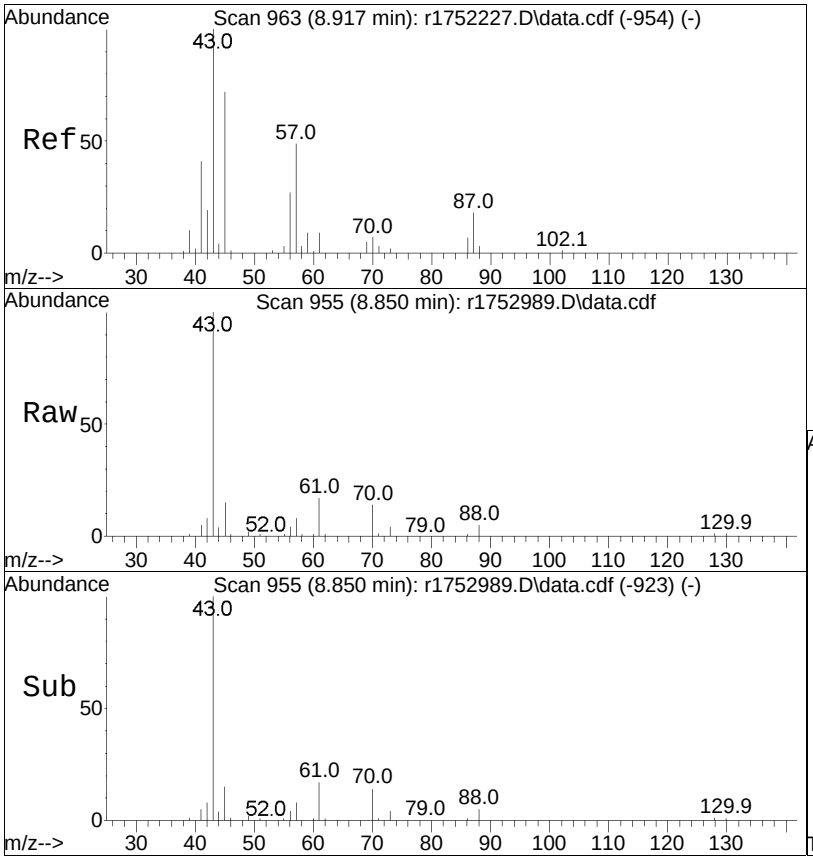


#42
1,2-dichloroethane
Concen: 0.06 ppbV
RT: 9.792 min Scan# 1068
Delta R.T. -0.025 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 62 Resp: 1590

Ion	Ratio	Lower	Upper
62	100		
64	27.5	26.1	39.1
49	33.1	24.0	36.0
63	25.7	15.8	23.8#

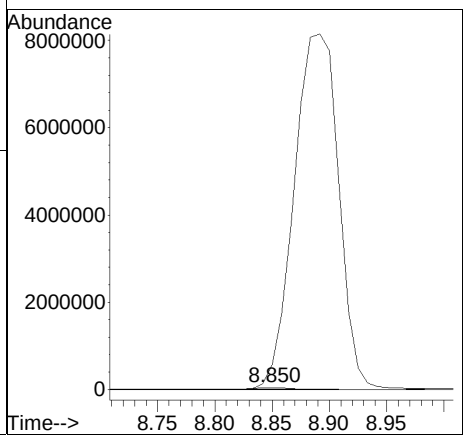


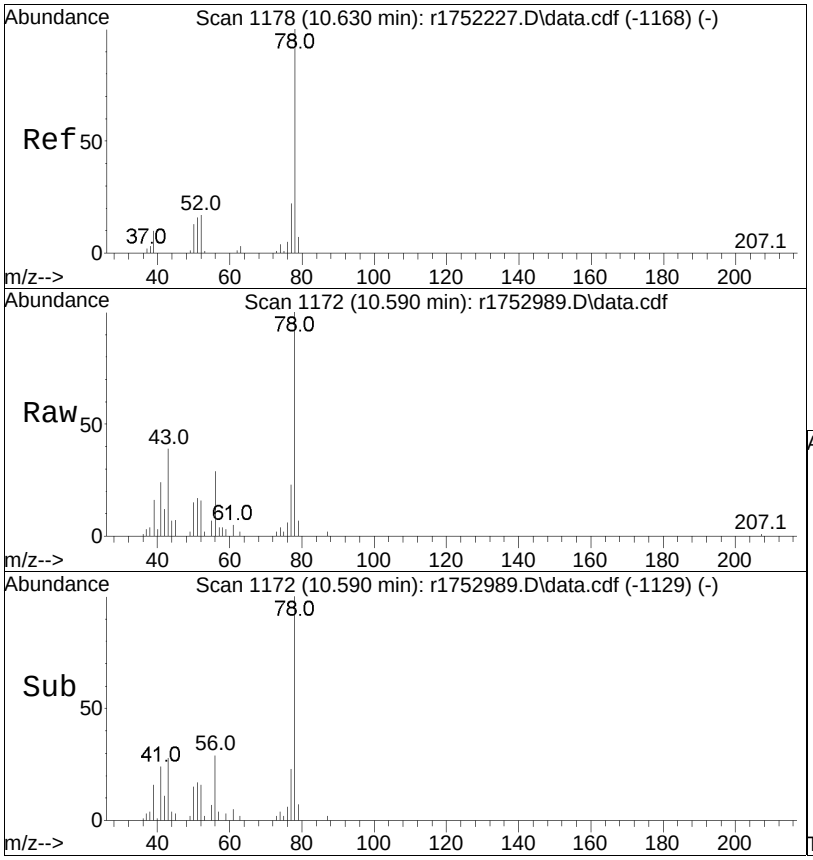


#44
hexane
Concen: 2.21 ppbV
RT: 8.850 min Scan# 955
Delta R.T. -0.067 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 57 Resp: 90664

Ion	Ratio	Lower	Upper
57	100		
43	1322.5	163.5	245.3#
86	14.9	11.7	17.5

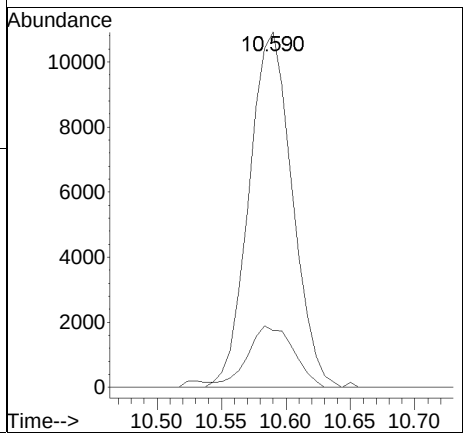


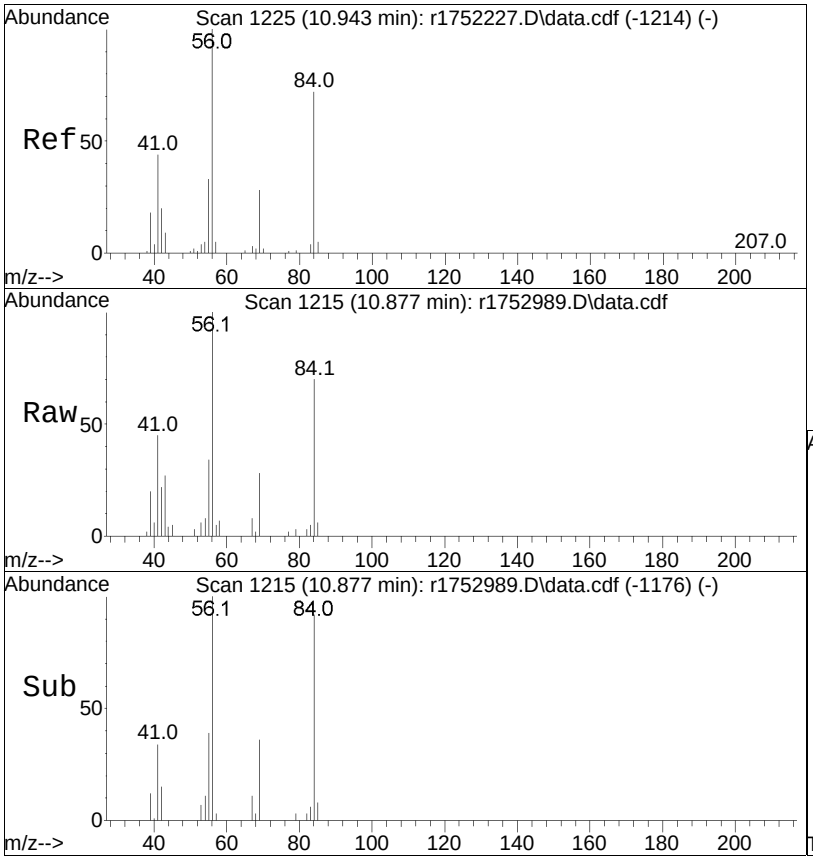


#50
benzene
Concen: 0.36 ppbV
RT: 10.590 min Scan# 1172
Delta R.T. -0.040 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 78 Resp: 25538

Ion	Ratio	Lower	Upper
78	100		
52	16.0	13.8	20.8

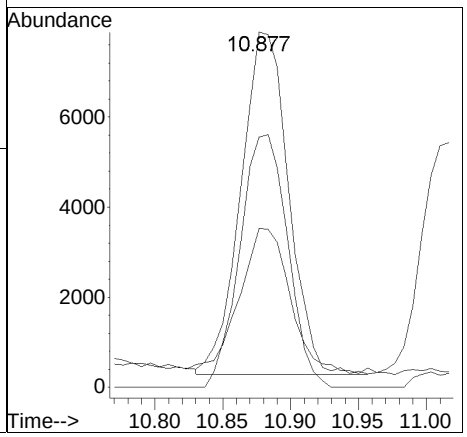


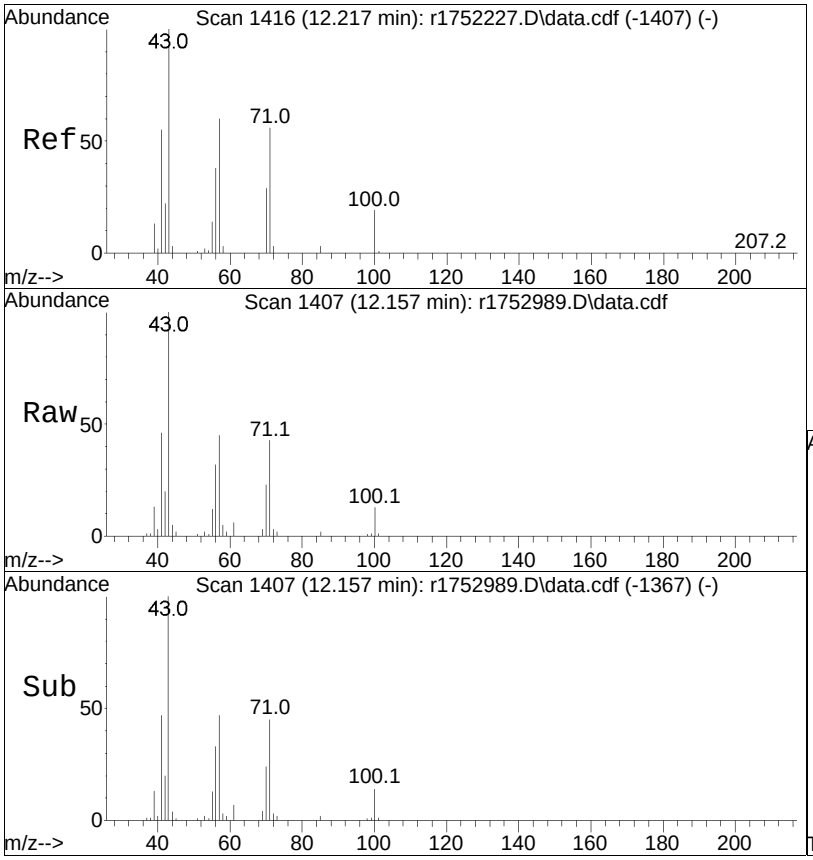


#53
cyclohexane
Concen: 0.43 ppbV
RT: 10.877 min Scan# 1215
Delta R.T. -0.067 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 56 Resp: 18537

Ion	Ratio	Lower	Upper
56	100		
84	70.5	57.8	86.8
41	44.8	35.5	53.3

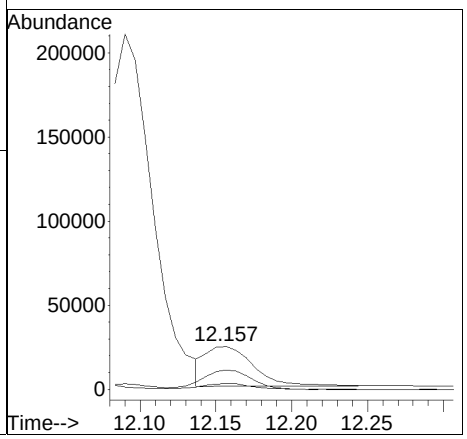


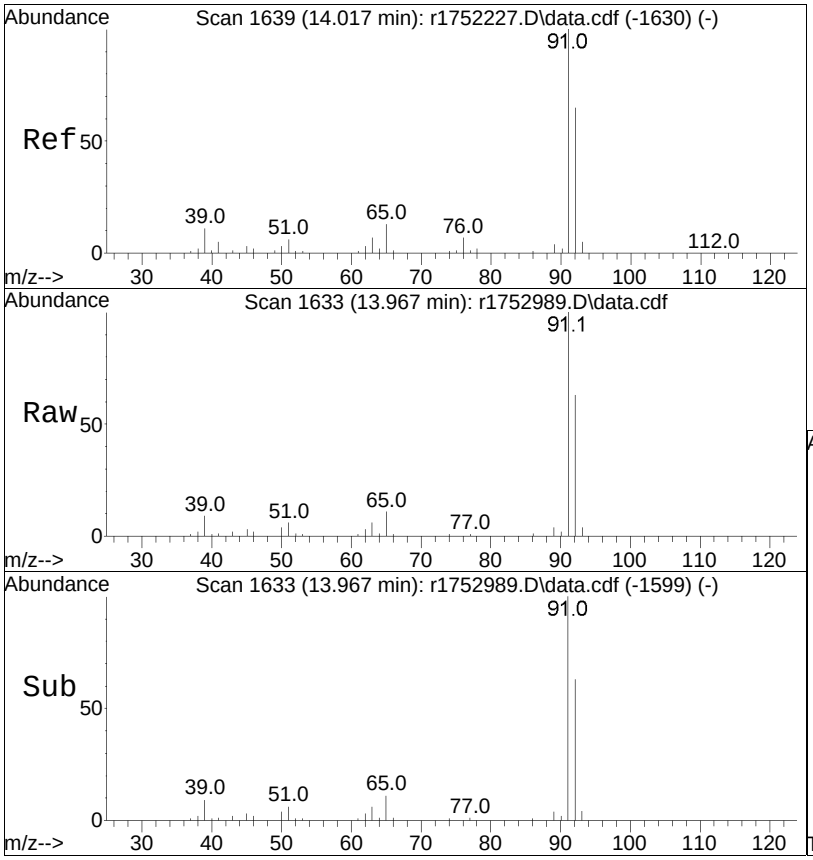


#62
heptane
Concen: 1.20 ppbV
RT: 12.157 min Scan# 1407
Delta R.T. -0.060 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 43 Resp: 52169

Ion	Ratio	Lower	Upper
43	100		
57	45.4	48.3	72.5#
100	13.5	15.4	23.0#

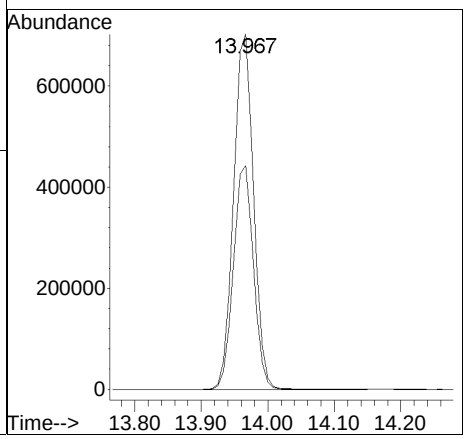


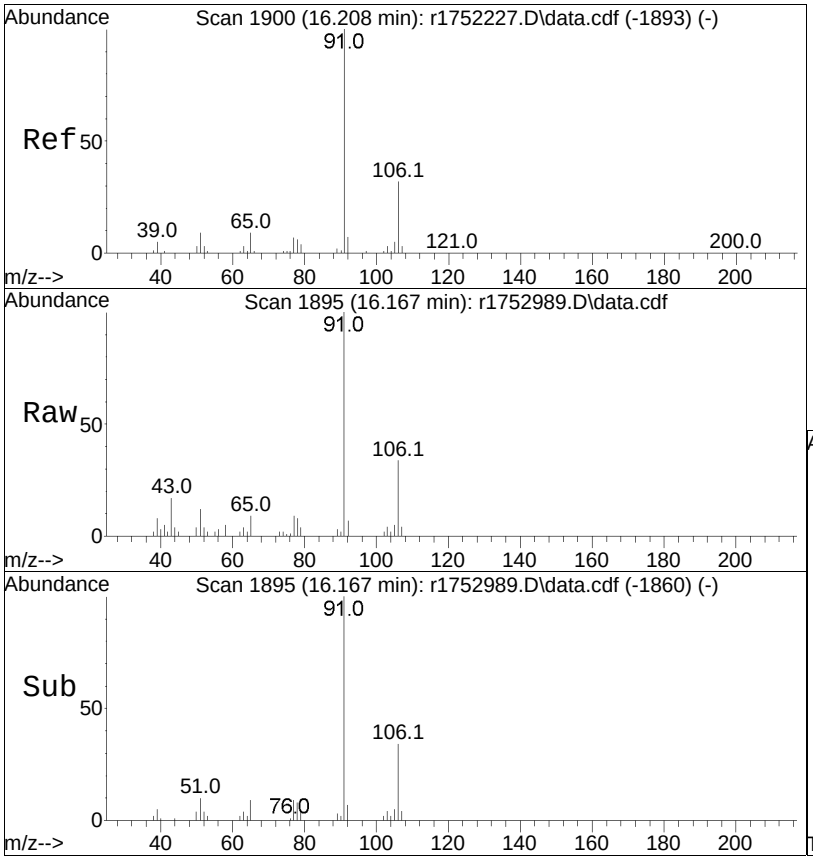


#68
toluene
Concen: 16.30 ppbV
RT: 13.967 min Scan# 1633
Delta R.T. -0.050 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 91 Resp: 1467162

Ion	Ratio	Lower	Upper
91	100		
92	63.0	51.9	77.9

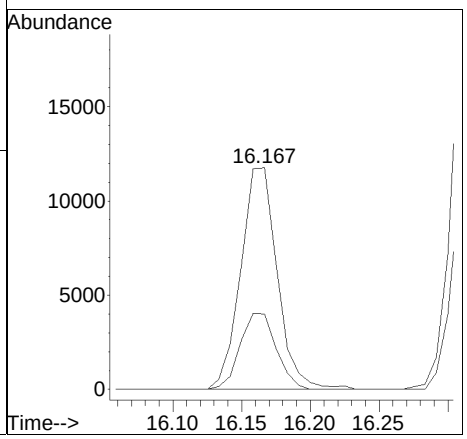


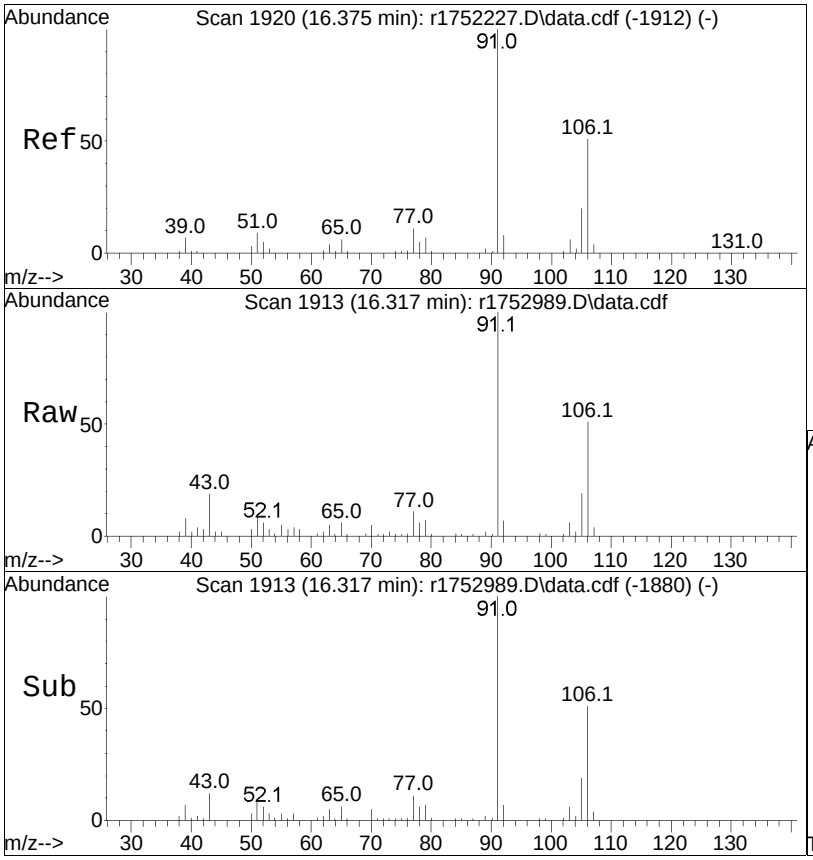


#81
ethylbenzene
Concen: 0.19 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 91 Resp: 21826

Ion	Ratio	Lower	Upper
91	100		
106	34.1	25.7	38.5

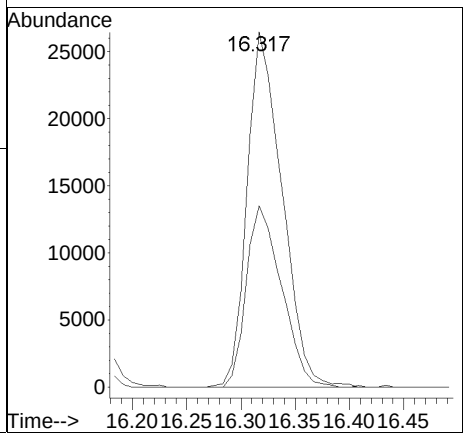


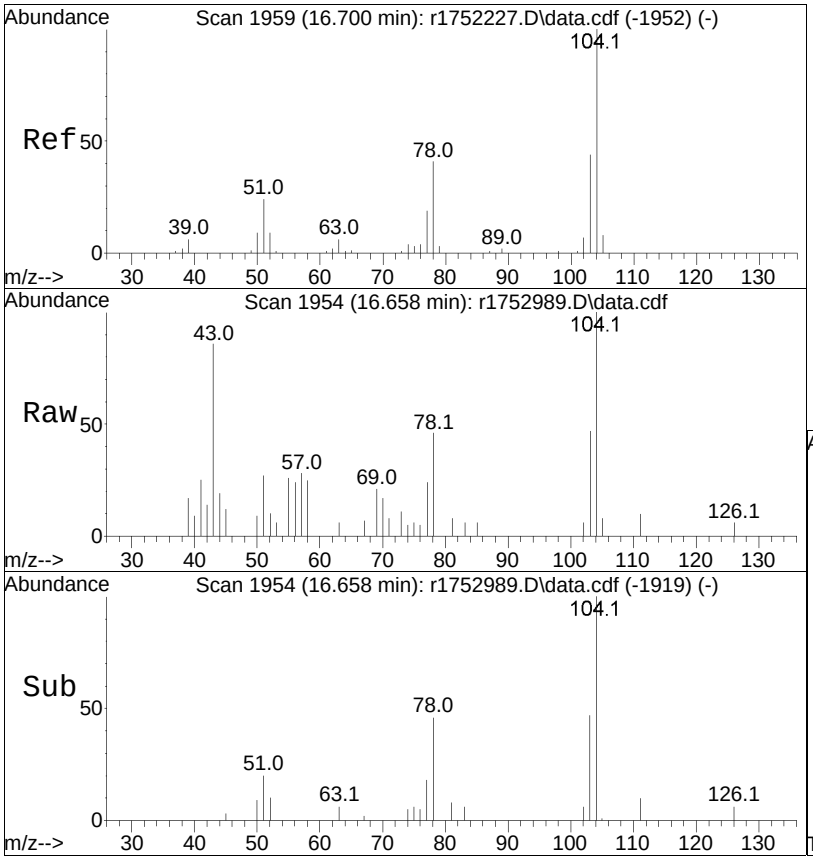


#83
m+p-xylene
Concen: 0.65 ppbV
RT: 16.317 min Scan# 1913
Delta R.T. -0.058 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 91 Resp: 59284

Ion	Ratio	Lower	Upper
91	100		
106	51.1	41.1	61.7

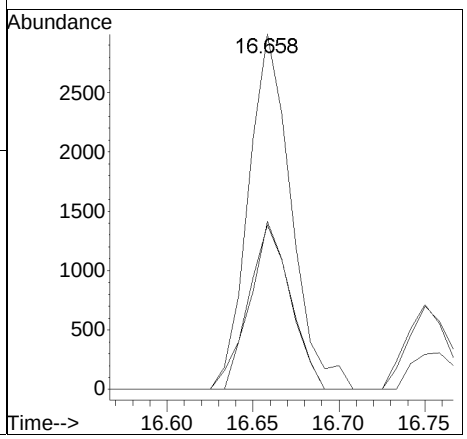


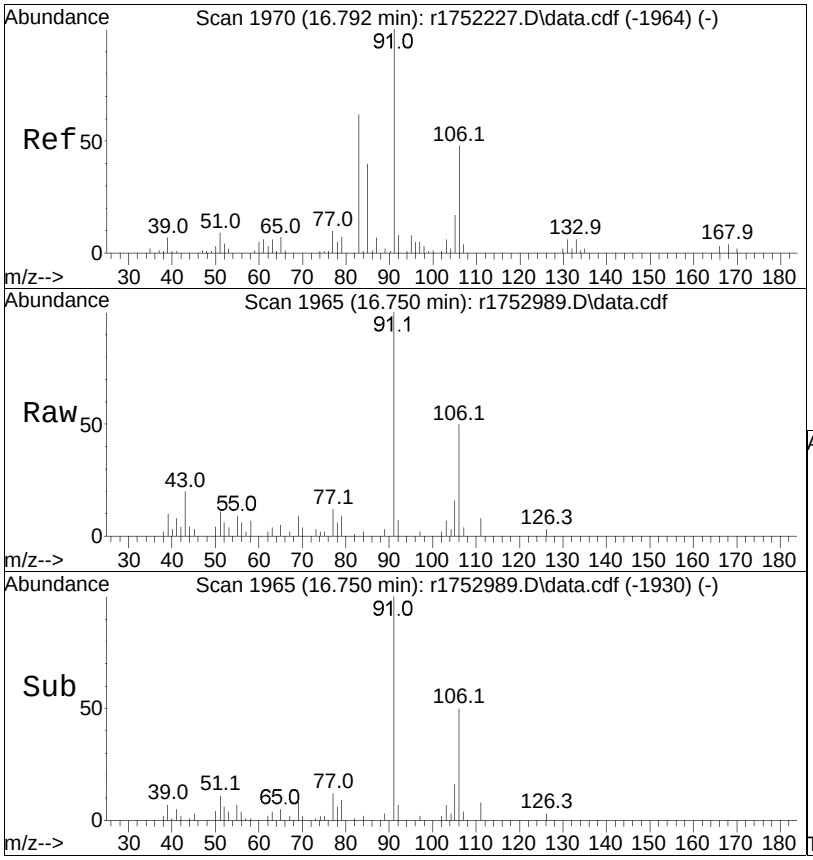


#85
styrene
Concen: 0.08 ppbV
RT: 16.658 min Scan# 1954
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:104 Resp: 5190

Ion	Ratio	Lower	Upper
104	100		
103	47.2	34.9	52.3
78	46.3	33.0	49.4

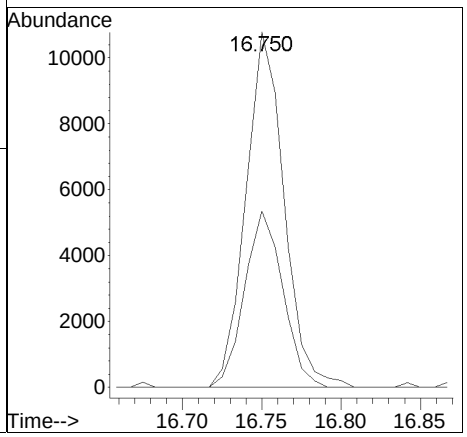


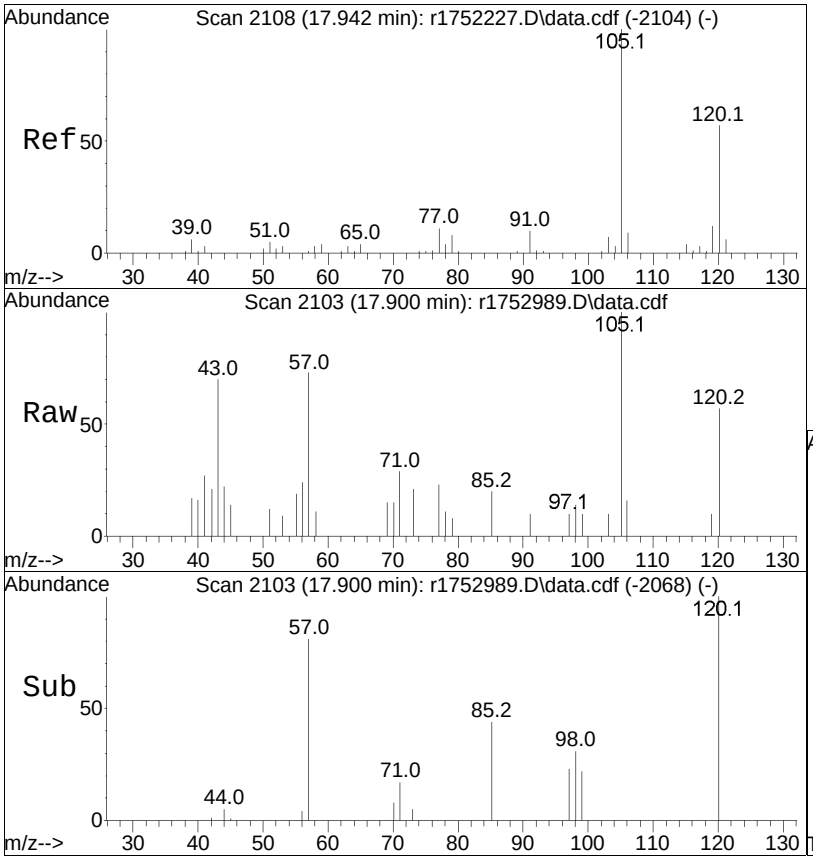


#87
o-xylene
Concen: 0.20 ppbV
RT: 16.750 min Scan# 1965
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion: 91 Resp: 18073

Ion	Ratio	Lower	Upper
91	100		
106	49.6	38.4	57.6

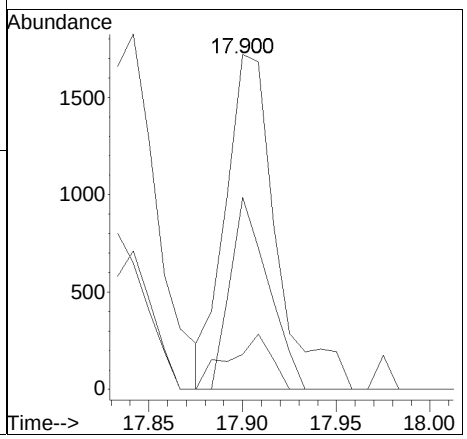


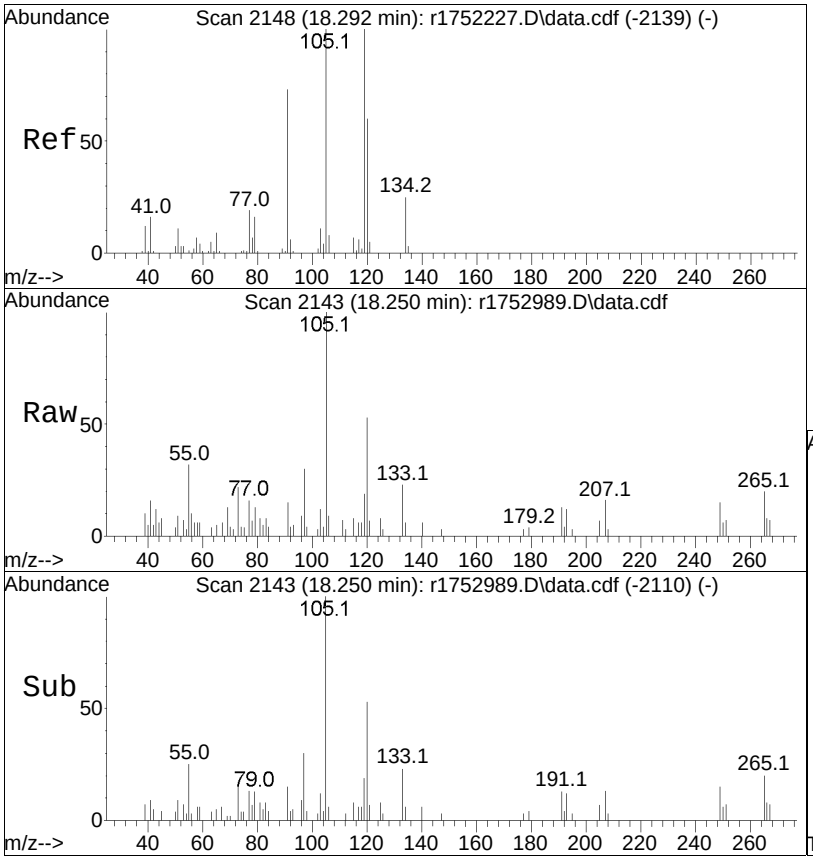


#97
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 17.900 min Scan# 2103
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:105 Resp: 3253

Ion	Ratio	Lower	Upper
105	100		
120	57.3	45.1	67.7
91	10.5	8.0	12.0

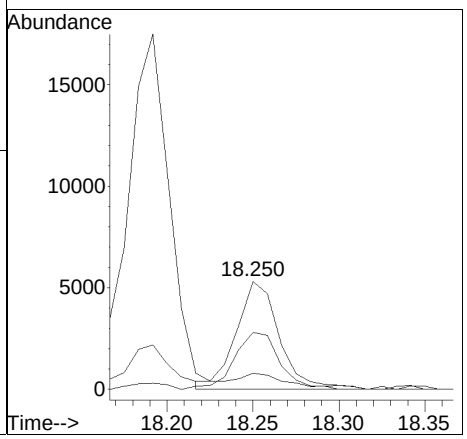


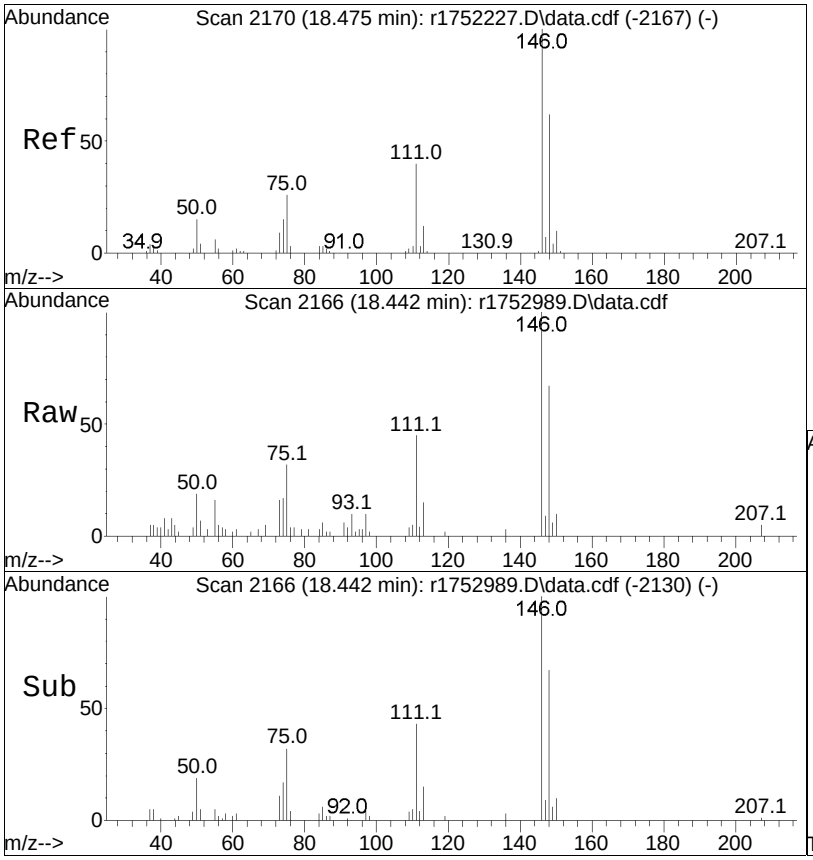


#99
1,2,4-trimethylbenzene
Concen: 0.10 ppbV
RT: 18.250 min Scan# 2143
Delta R.T. -0.042 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:105 Resp: 9372

Ion	Ratio	Lower	Upper
105	100		
120	52.8	48.0	72.0
91	15.1	58.3	87.5#

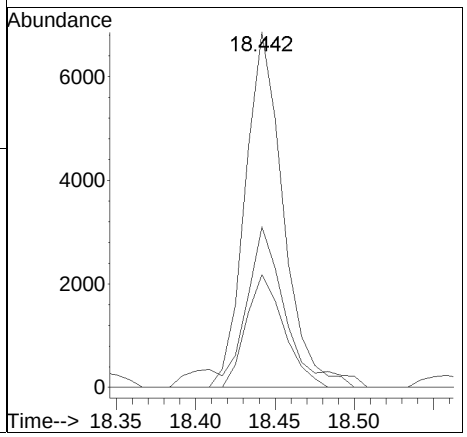




#103
1,4-dichlorobenzene
Concen: 0.19 ppbV
RT: 18.442 min Scan# 2166
Delta R.T. -0.033 min
Lab File: r1752989.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:146 Resp: 11458

Ion	Ratio	Lower	Upper
146	100		
111	45.2	31.8	47.6
75	31.7	21.0	31.6#

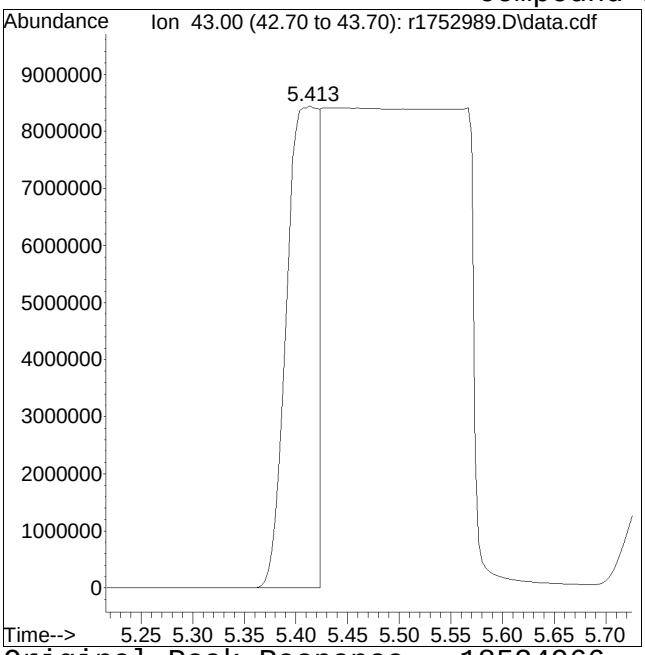


Manual Integration Report

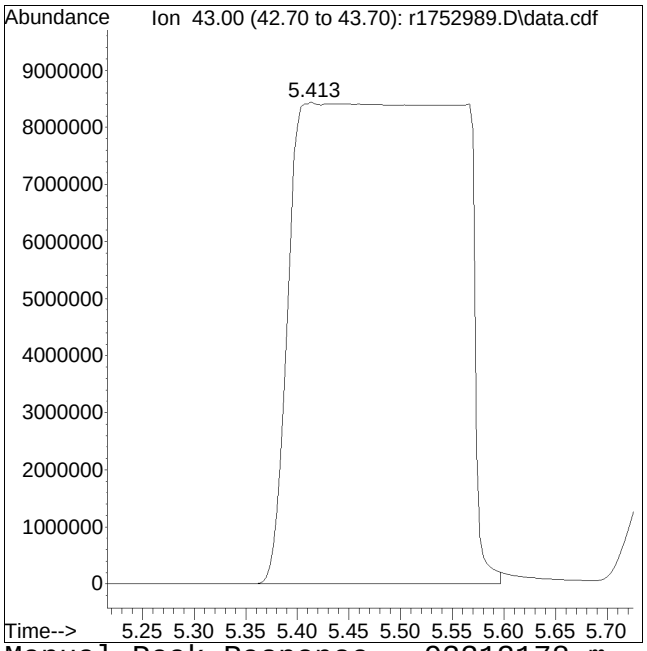
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752989.D
Date Inj'd : 12/18/2025 7:34 PM
Sample : L2577500-04,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #19: acetone



Original Peak Response = 18524966



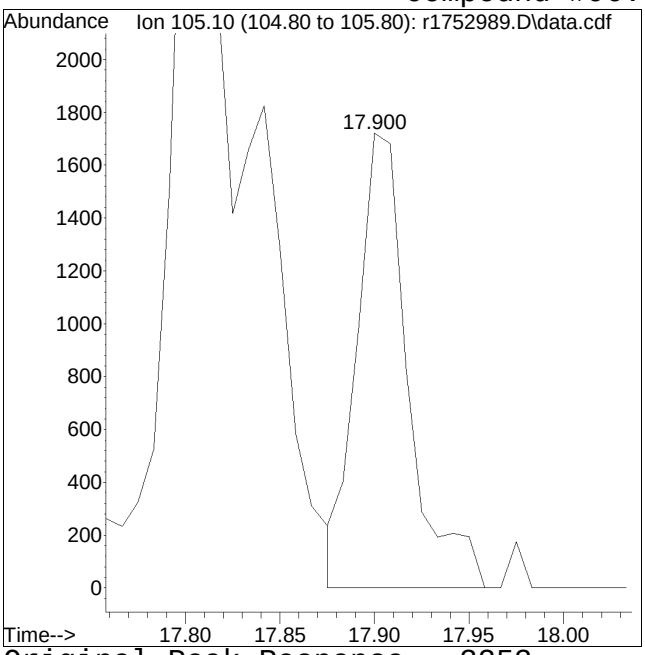
Manual Peak Response = 93313178 m

Manual Integration Report

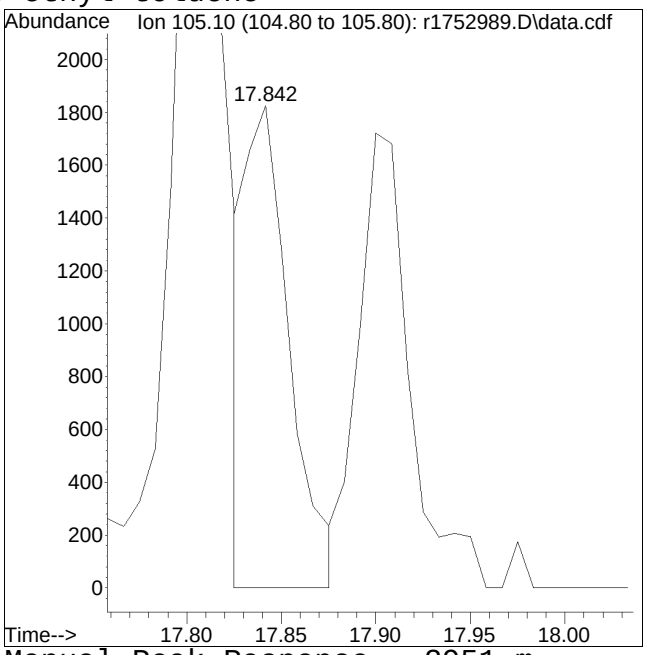
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752989.D
Date Inj'd : 12/18/2025 7:34 PM
Sample : L2577500-04,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #96: 4-ethyl toluene



Original Peak Response = 3253



Manual Peak Response = 2951 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752990.D
Acq On : 18 Dec 2025 8:11 PM
Operator : AIRLAB17:TPH
Sample : L2577500-05,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:16 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	294986	10.000	ppbV	-0.07
Standard Area = 341577			Recovery = 86.36%			
43) 1,4-difluorobenzene	10.990	114	833440	10.000	ppbV	-0.06
Standard Area = 849055			Recovery = 98.16%			
67) chlorobenzene-D5	15.767	54	140237	10.000	ppbV	-0.04
Standard Area = 140112			Recovery = 100.09%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.850	85	20976	0.505	ppbV	98
6) chloromethane	4.006	50	9527	0.511	ppbV	99
7) Freon-114	4.108		0	N.D.		
10) 1,3-butadiene	4.360	54	643	0.038	ppbV #	62
13) bromomethane	4.612		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.942	31	15473138	912.844	ppbV	90
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.403	43	1825051	63.773	ppbV	100
21) trichlorofluoromethane	5.597	101	8519	0.209	ppbV	99
22) isopropyl alcohol	5.693	45	309030	9.513	ppbV	99
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.414	49	5098	0.209	ppbV	90
29) 3-chloropropene	6.510		0	N.D.		
30) carbon disulfide	6.708		0	N.D.		
31) Freon 113	6.708	101	2837	0.065	ppbV	86
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.700		0	N.D.		
36) 2-butanone	8.108	43	10063	0.223	ppbV	96
38) Ethyl Acetate	8.867	61	12640	1.528	ppbV #	42
39) chloroform	8.933	83	1541	0.040	ppbV #	88
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.750		0	N.D.		
44) hexane	8.850	57	9253	0.231	ppbV #	1
50) benzene	10.570	78	19843	0.285	ppbV	94
53) cyclohexane	10.883	56	2929	0.069	ppbV	98
56) 1,2-dichloropropane	11.510		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752990.D
Acq On : 18 Dec 2025 8:11 PM
Operator : AIRLAB17:TPH
Sample : L2577500-05,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:16 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

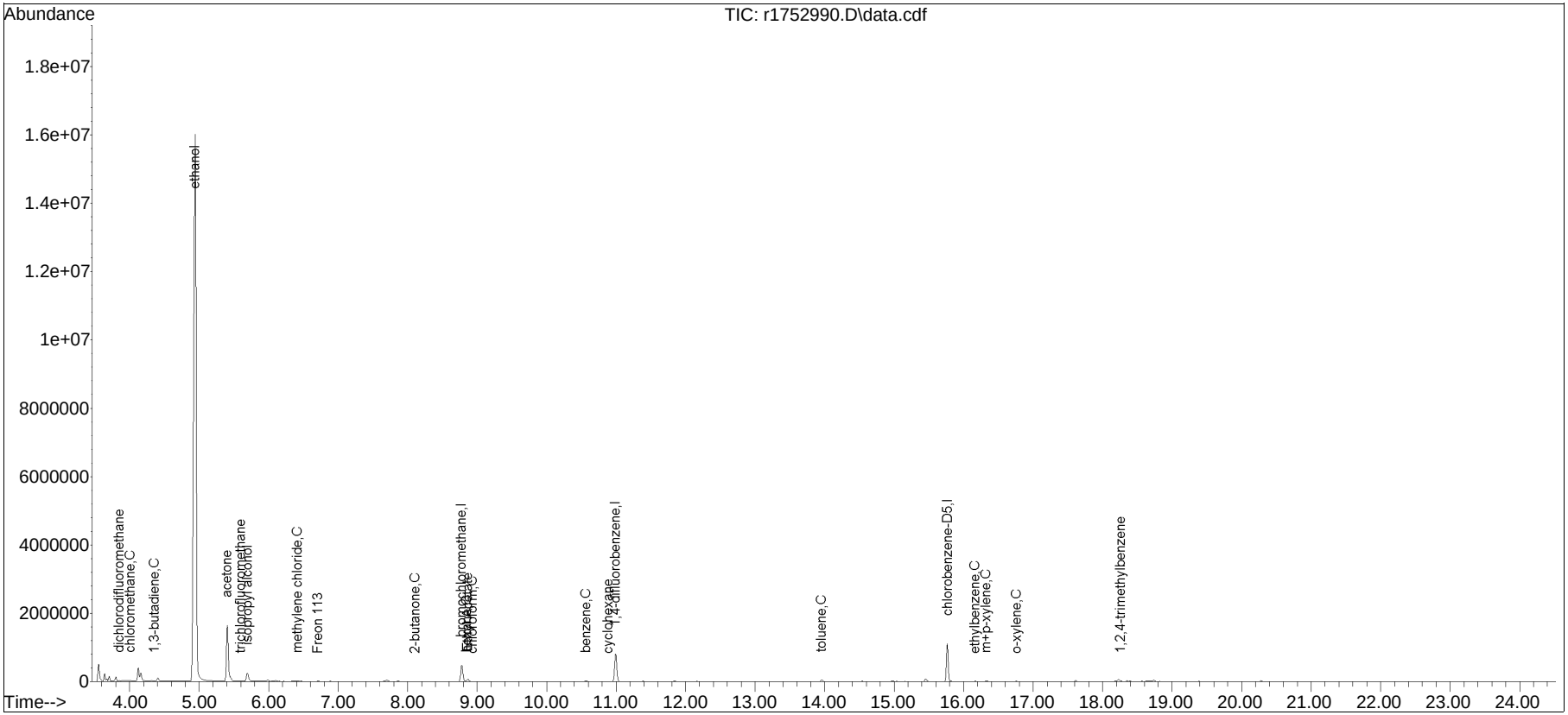
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.823		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.923		0	N.D.		
62) heptane	12.250		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.958	91	41338	0.428	ppbV	97
72) 2-hexanone	14.333		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.825		0	N.D.		
81) ethylbenzene	16.167	91	8220	0.067	ppbV	93
83) m+p-xylene	16.325	91	17173	0.177	ppbV	94
84) bromoform	0.000		0	N.D.		
85) styrene	16.667		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.800		0	N.D.		
87) o-xylene	16.758	91	7004	0.072	ppbV	99
96) 4-ethyl toluene	17.908		0	N.D.		
97) 1,3,5-trimethylbenzene	17.908		0	N.D.		
99) 1,2,4-trimethylbenzene	18.258	105	7143	0.069	ppbV #	60
101) Benzyl Chloride	18.458		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.350		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

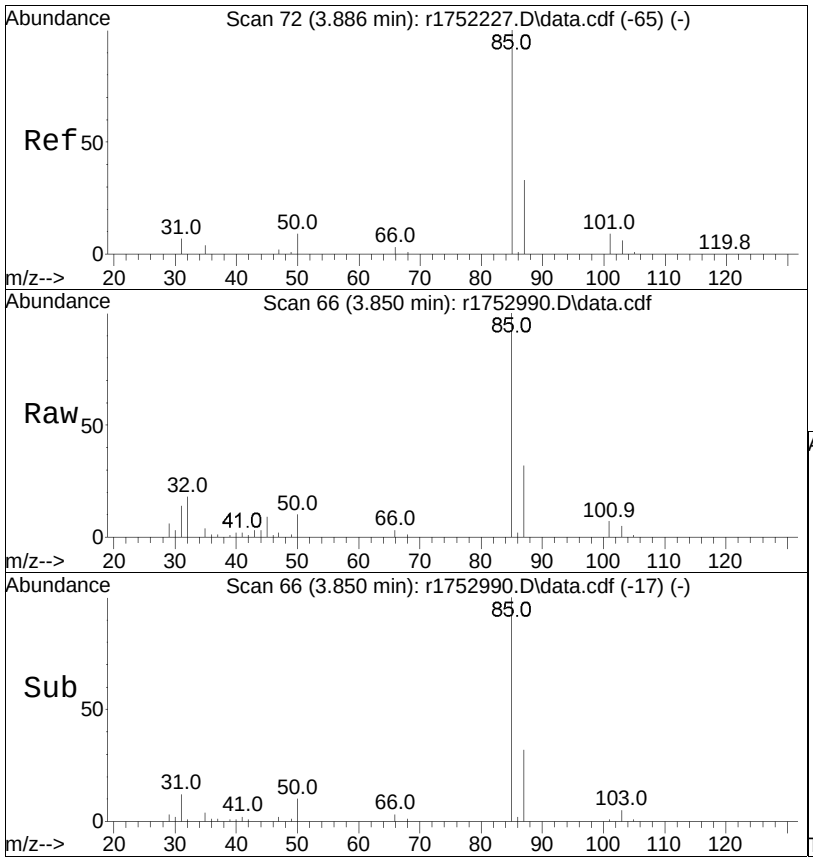
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752990.D
Acq On : 18 Dec 2025 8:11 PM
Operator : AIRLAB17:TPH
Sample : L2577500-05,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:16 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

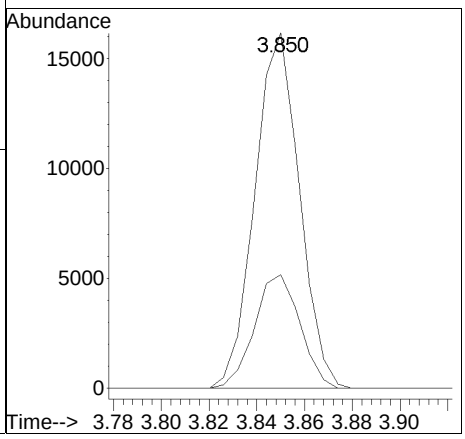


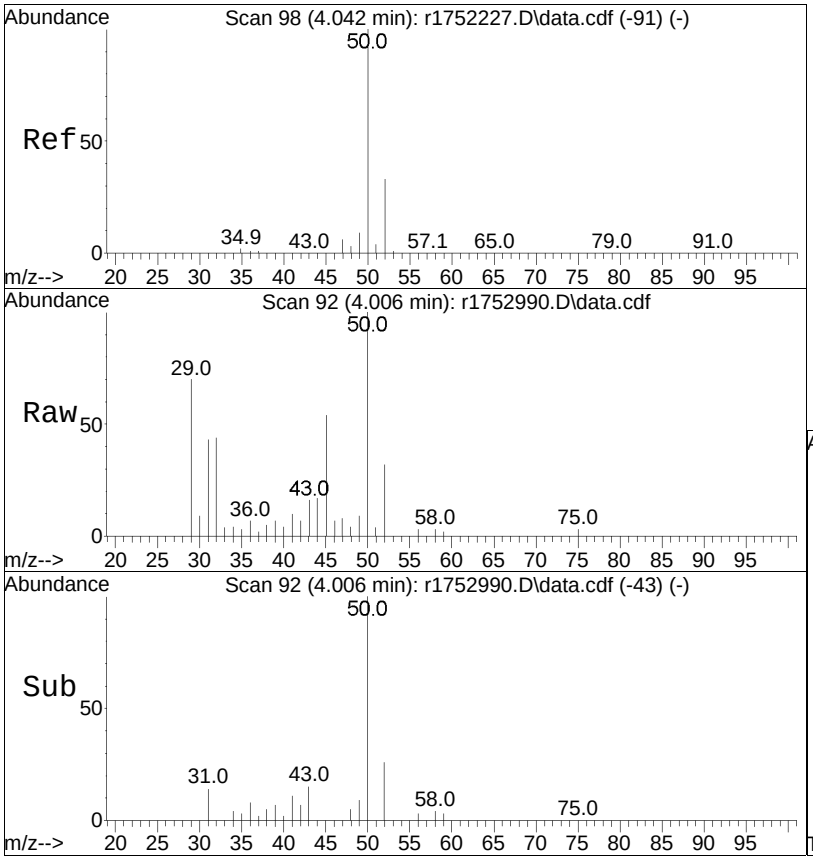


#5
dichlorodifluoromethane
Concen: 0.50 ppbV
RT: 3.850 min Scan# 66
Delta R.T. -0.036 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 85 Resp: 20976

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.7	40.1

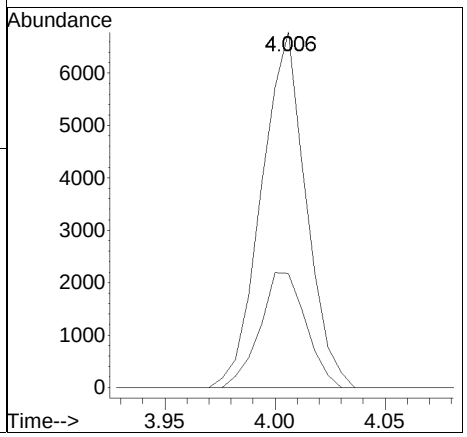


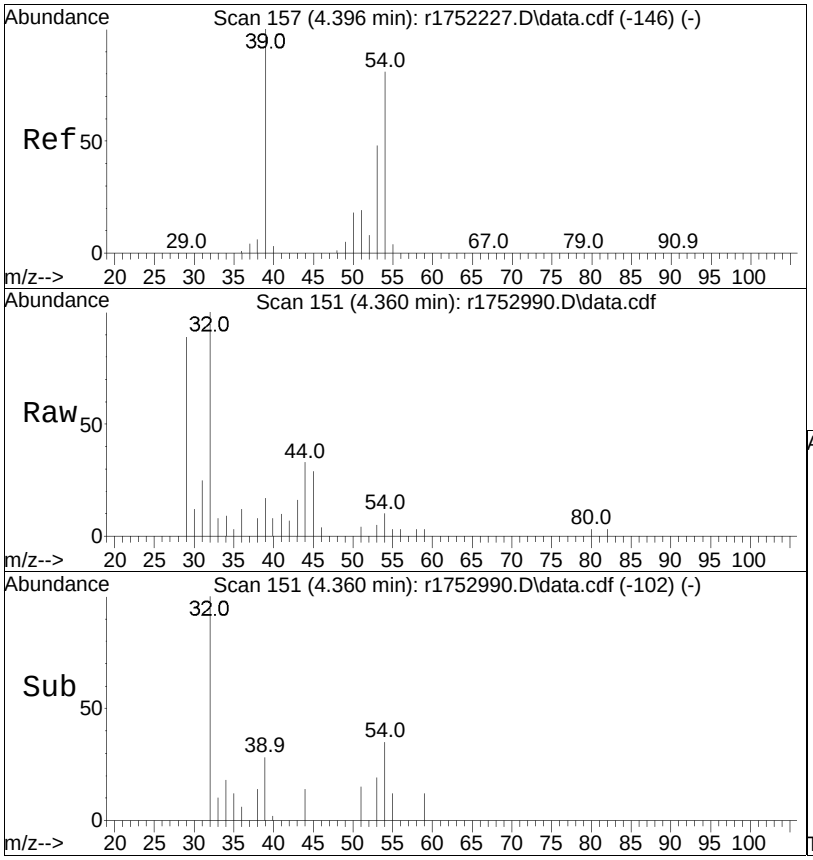


#6
chloromethane
Concen: 0.51 ppbV
RT: 4.006 min Scan# 92
Delta R.T. -0.036 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 50 Resp: 9527

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.1	39.1

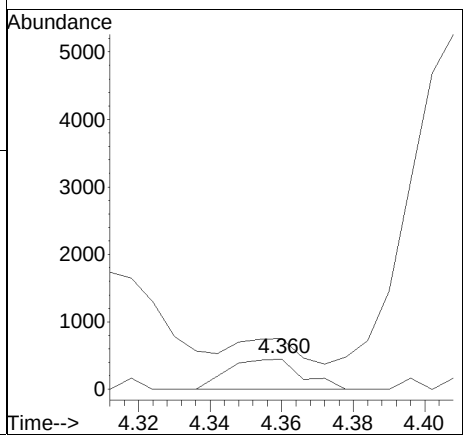


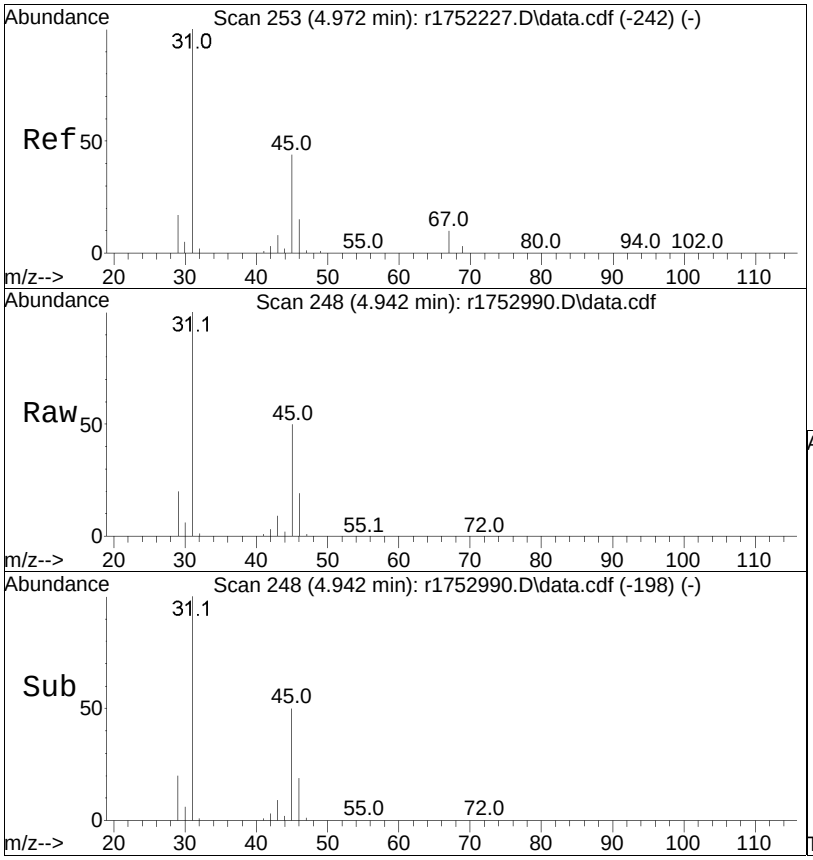


#10
1,3-butadiene
Concen: 0.04 ppbV
RT: 4.360 min Scan# 151
Delta R.T. -0.036 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 54 Resp: 643

Ion	Ratio	Lower	Upper
54	100		
39	168.0	99.8	149.8#

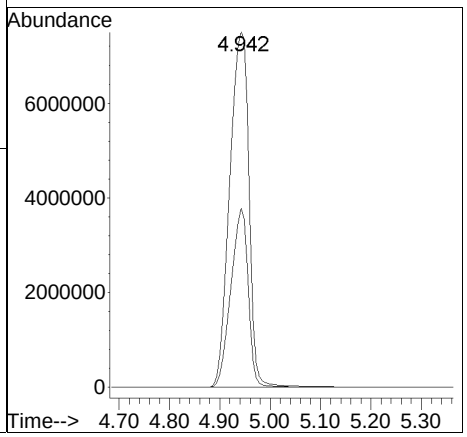


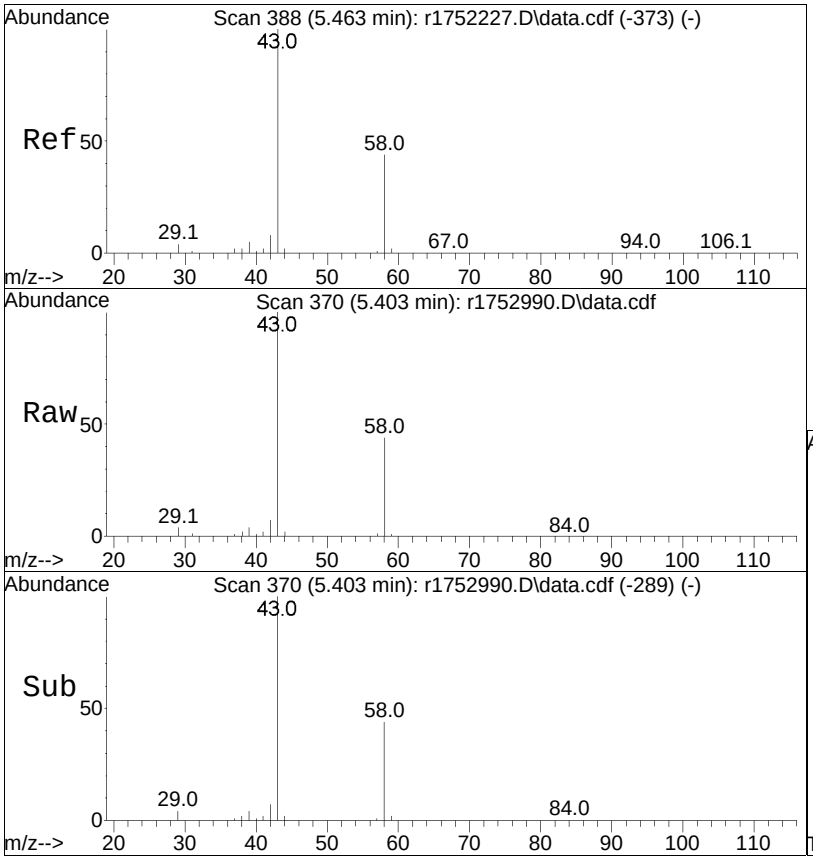


#15
ethanol
Concen: 912.84 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 31 Resp:15473138

Ion	Ratio	Lower	Upper
31	100		
45	50.4	35.3	52.9

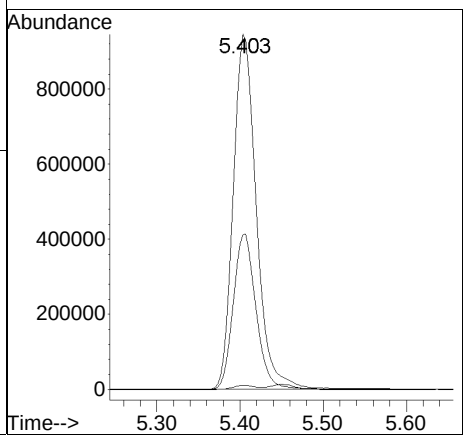


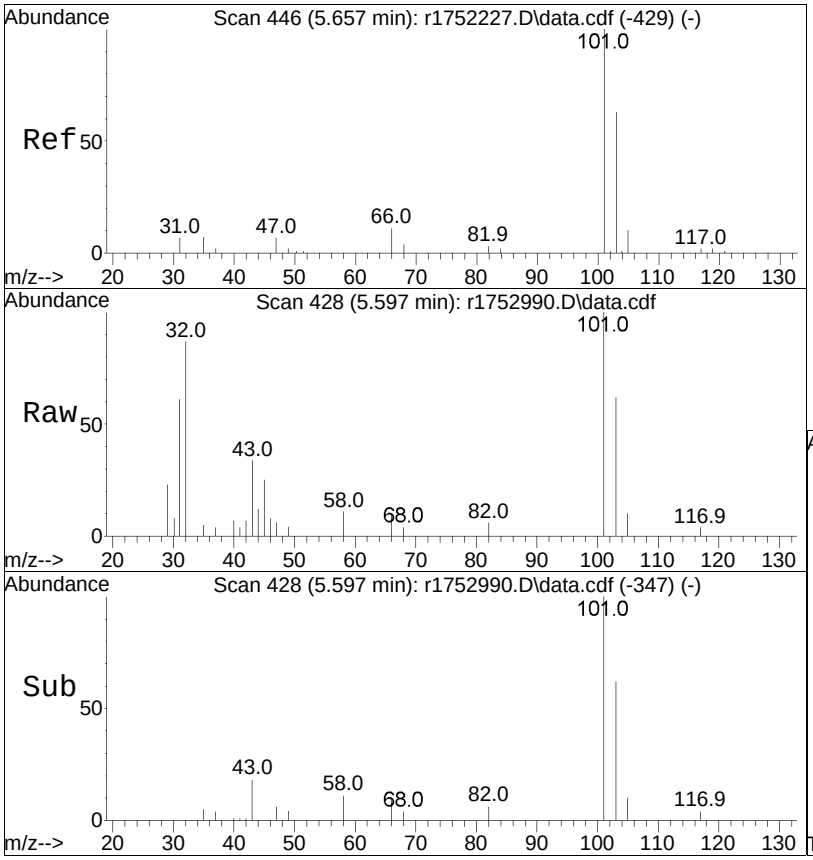


#19
acetone
Concen: 63.77 ppbV
RT: 5.403 min Scan# 370
Delta R.T. -0.060 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 43 Resp: 1825051

Ion	Ratio	Lower	Upper
43	100		
58	43.6	35.1	52.7
57	1.1	0.9	1.3

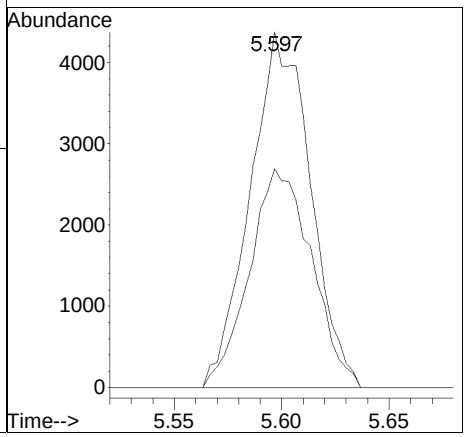


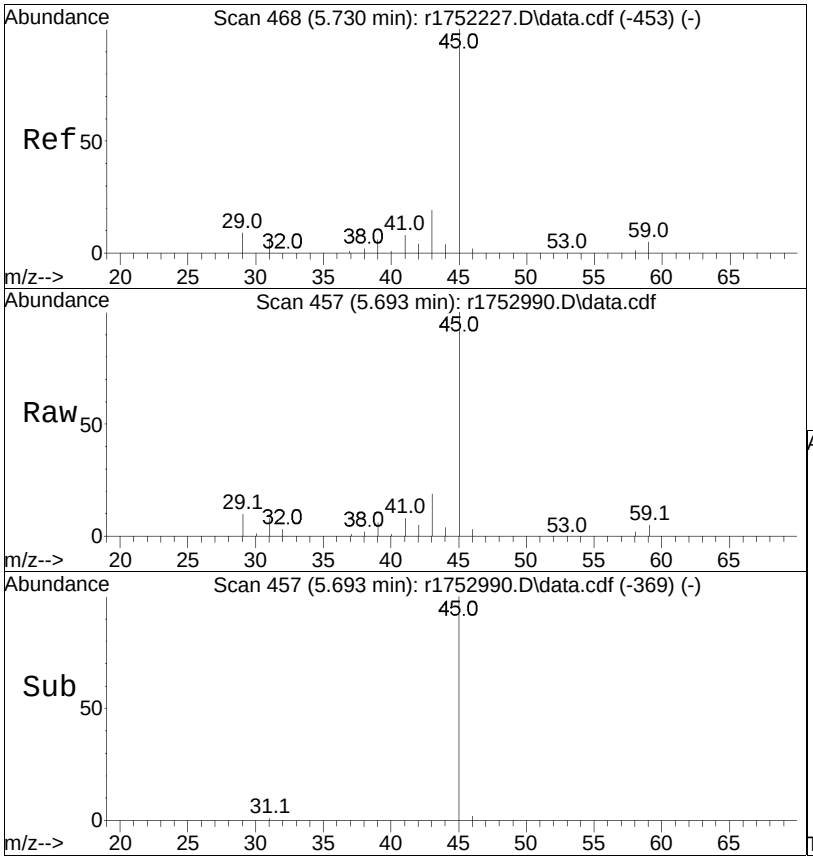


#21
trichlorofluoromethane
Concen: 0.21 ppbV
RT: 5.597 min Scan# 428
Delta R.T. -0.060 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:101 Resp: 8519

Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.2	75.2

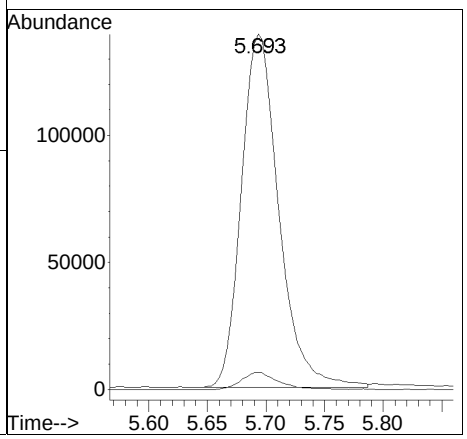


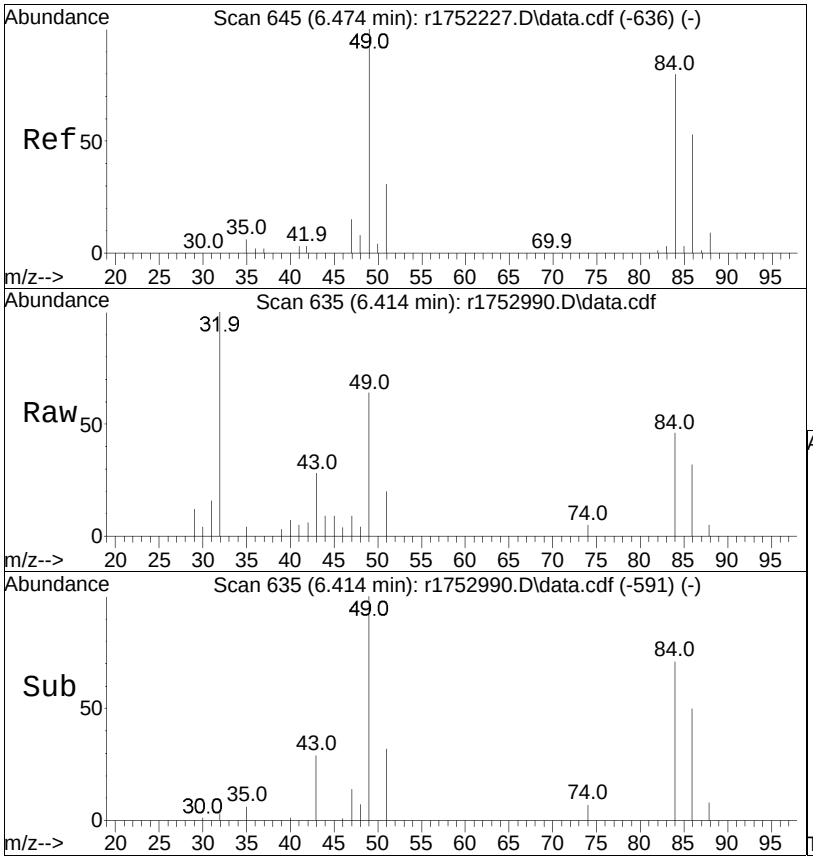


#22
isopropyl alcohol
Concen: 9.51 ppbV
RT: 5.693 min Scan# 457
Delta R.T. -0.037 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 45 Resp: 309030

Ion	Ratio	Lower	Upper
45	100		
59	4.8	4.2	6.2

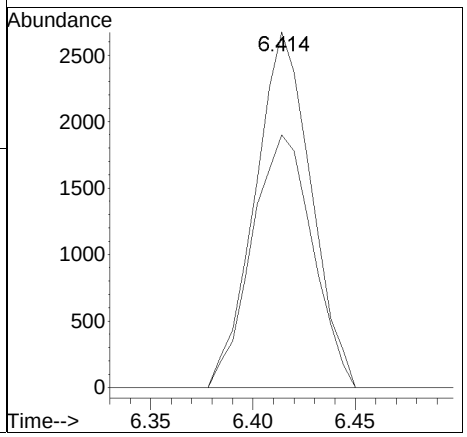


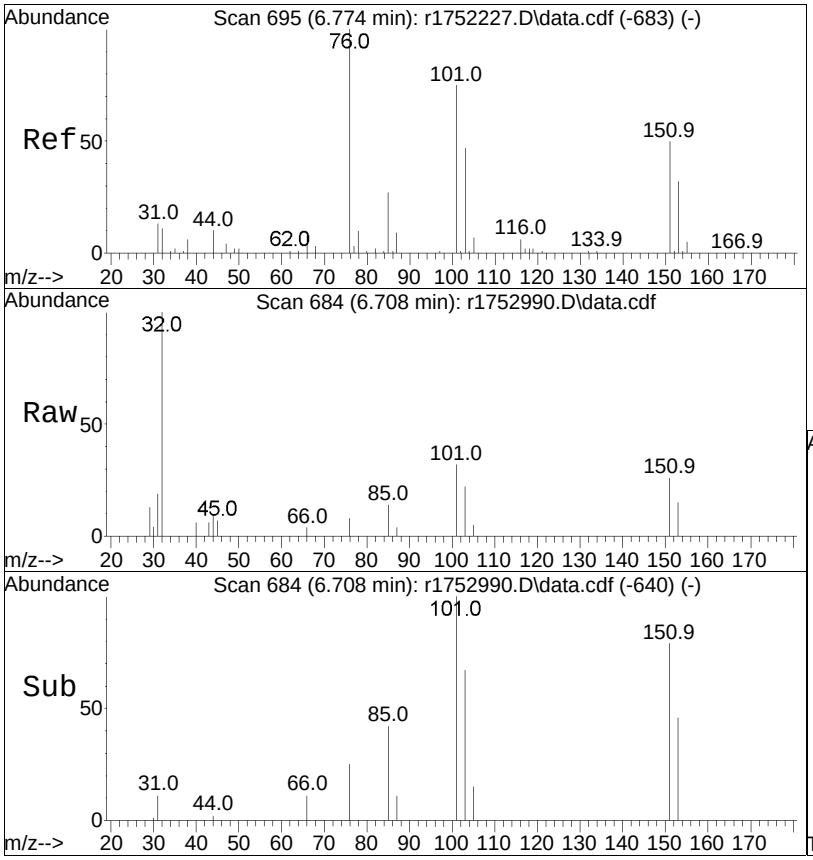


#28
methylene chloride
Concen: 0.21 ppbV
RT: 6.414 min Scan# 635
Delta R.T. -0.060 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 49 Resp: 5098

Ion	Ratio	Lower	Upper
49	100		
84	71.1	64.2	96.2

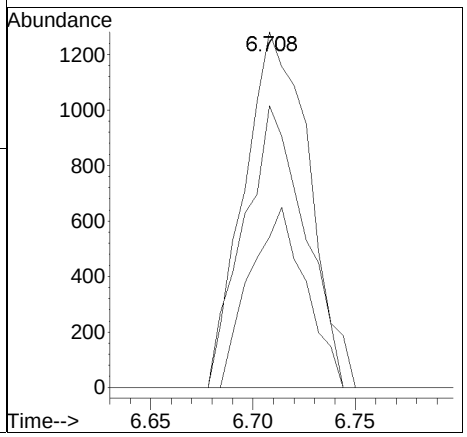


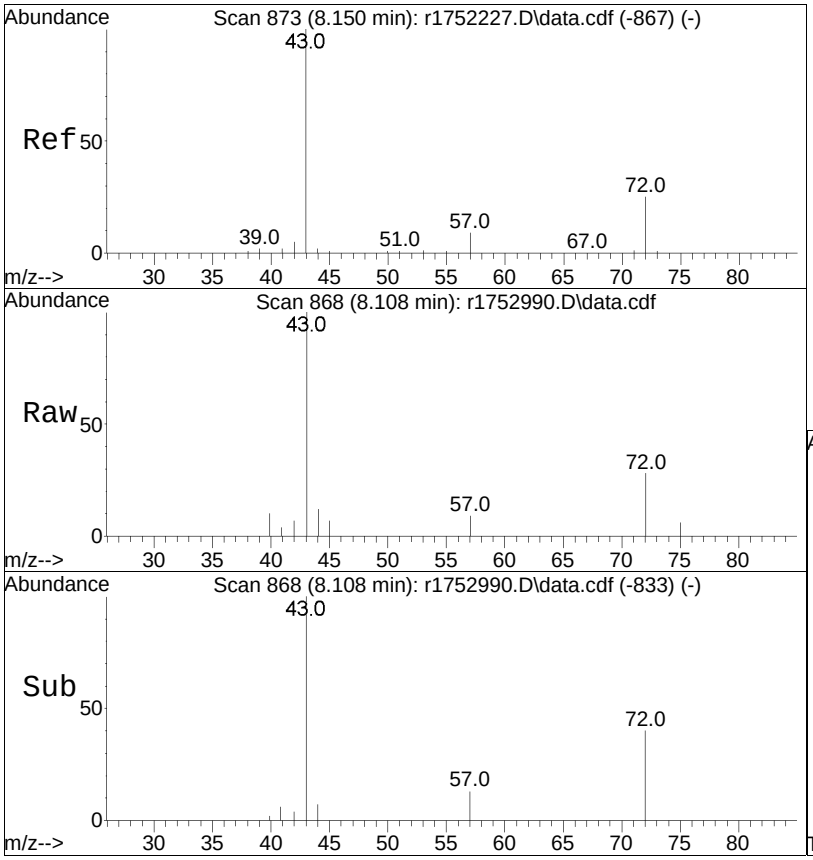


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.708 min Scan# 684
Delta R.T. -0.066 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:101 Resp: 2837

Ion	Ratio	Lower	Upper
101	100		
85	42.3	28.9	43.3
151	79.2	53.3	79.9

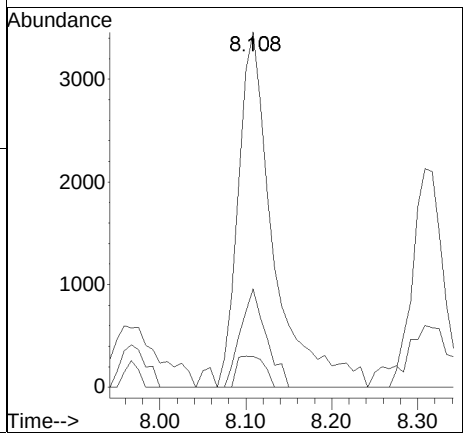


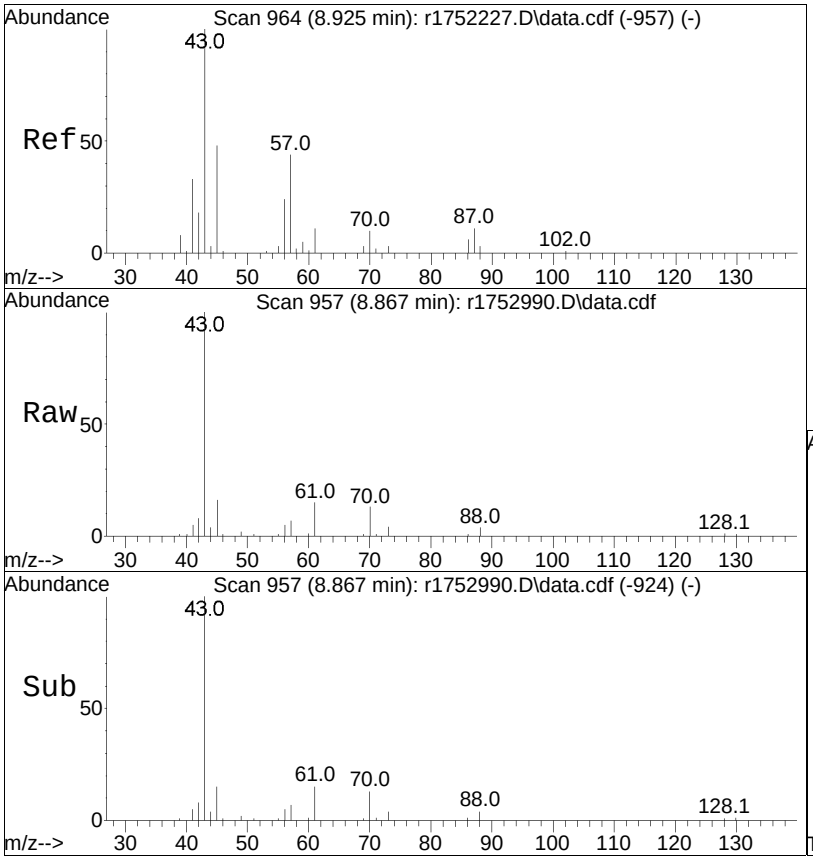


#36
2-butanone
Concen: 0.22 ppbV
RT: 8.108 min Scan# 868
Delta R.T. -0.042 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 43 Resp: 10063

Ion	Ratio	Lower	Upper
43	100		
72	27.7	19.9	29.9
57	8.7	7.2	10.8

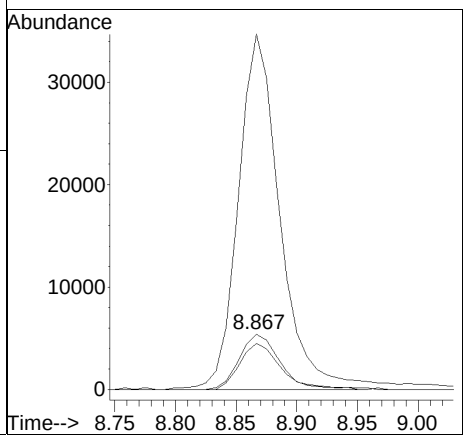


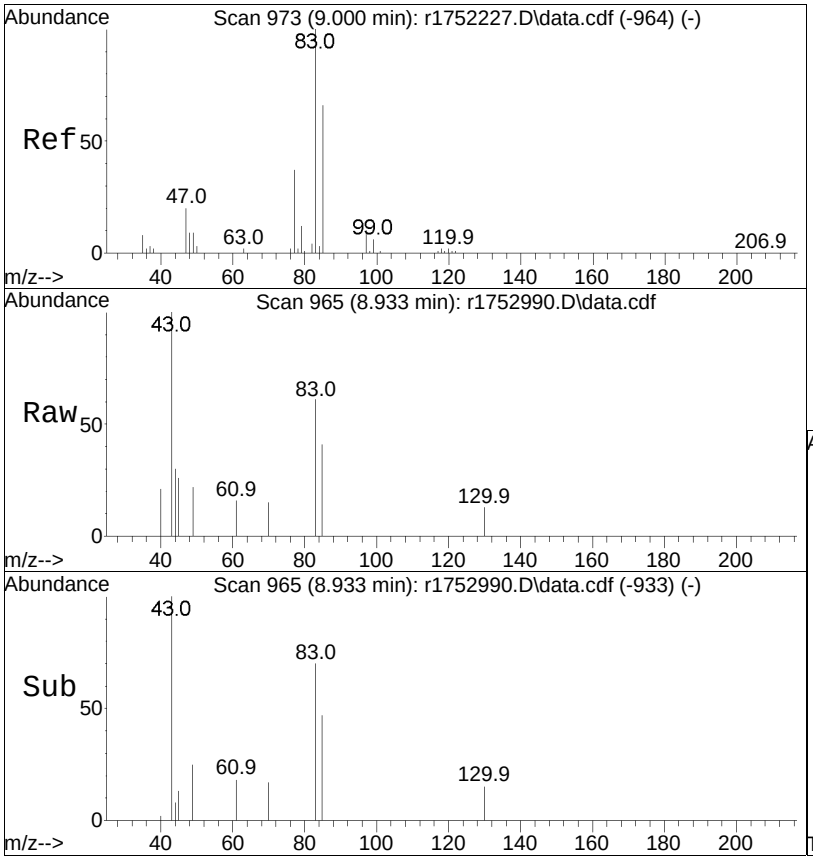


#38
Ethyl Acetate
Concen: 1.53 ppbV
RT: 8.867 min Scan# 957
Delta R.T. -0.058 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 61 Resp: 12640

Ion	Ratio	Lower	Upper
61	100		
70	83.7	68.4	102.6
43	645.8	727.4	1091.2#

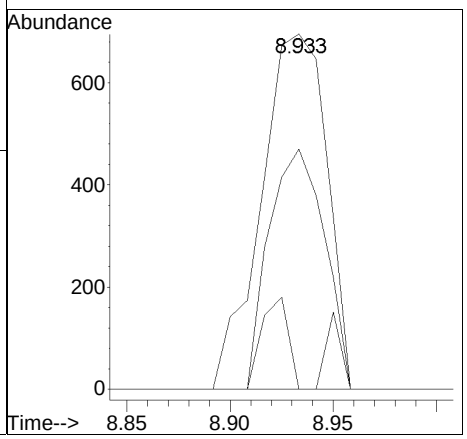


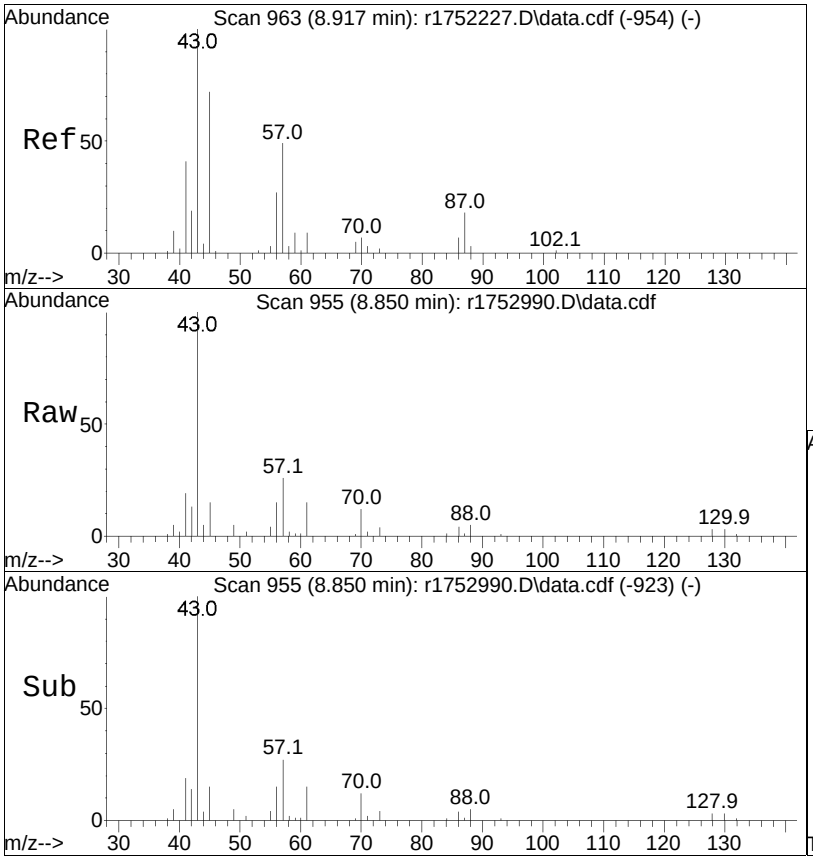


#39
chloroform
Concen: 0.04 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 83 Resp: 1541

Ion	Ratio	Lower	Upper
83	100		
85	67.6	53.1	79.7
47	0.0	16.3	24.5#

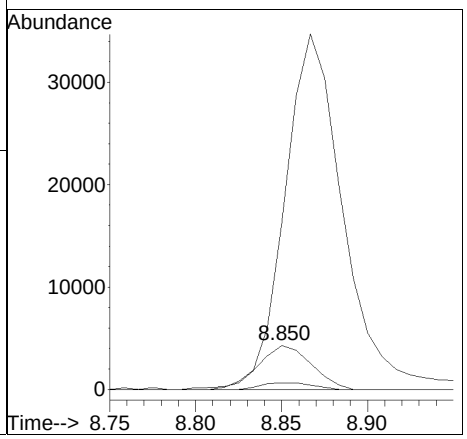


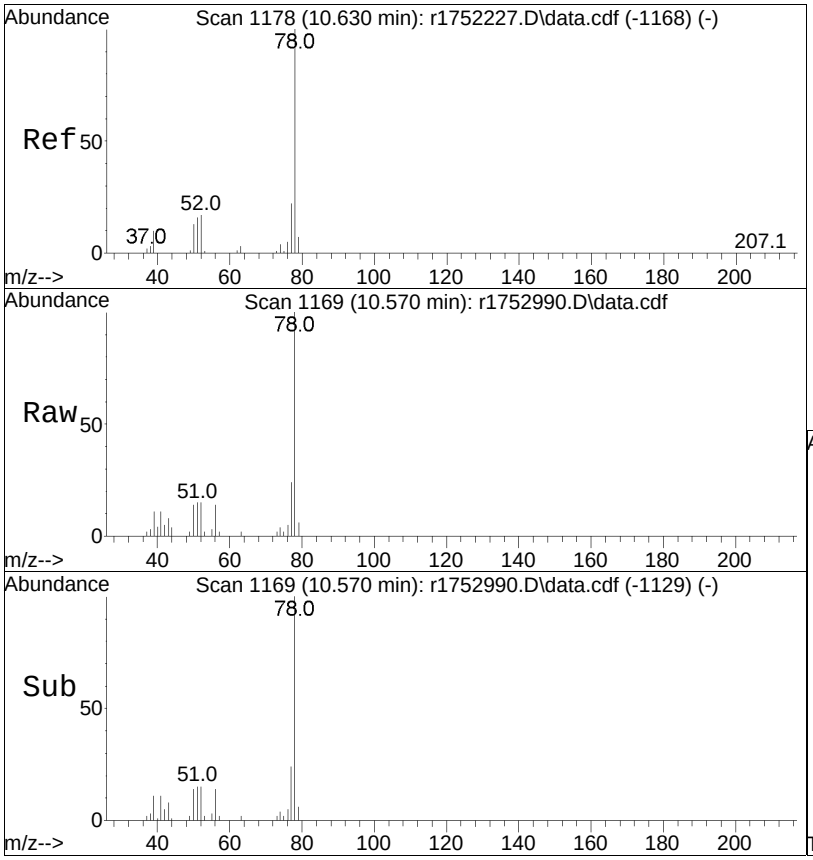


#44
hexane
Concen: 0.23 ppbV
RT: 8.850 min Scan# 955
Delta R.T. -0.067 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 57 Resp: 9253

Ion	Ratio	Lower	Upper
57	100		
43	378.3	163.5	245.3#
86	15.0	11.7	17.5

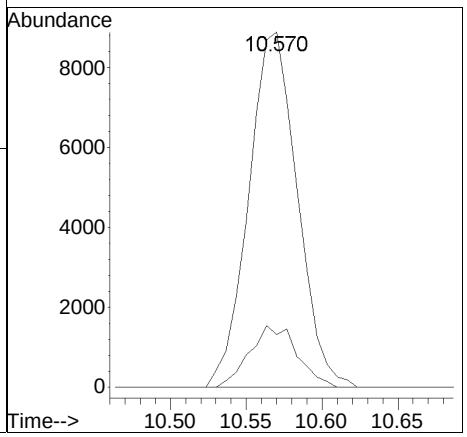


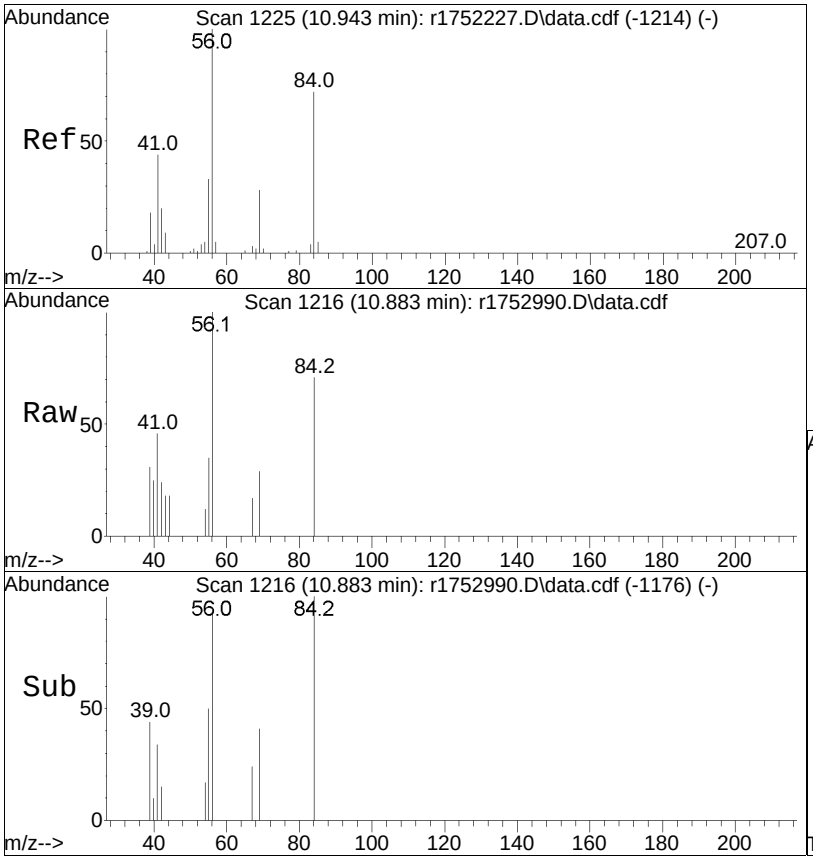


#50
benzene
Concen: 0.28 ppbV
RT: 10.570 min Scan# 1169
Delta R.T. -0.060 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 78 Resp: 19843

Ion	Ratio	Lower	Upper
78	100		
52	14.9	13.8	20.8

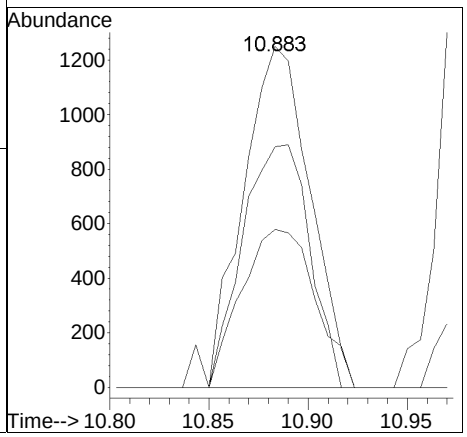


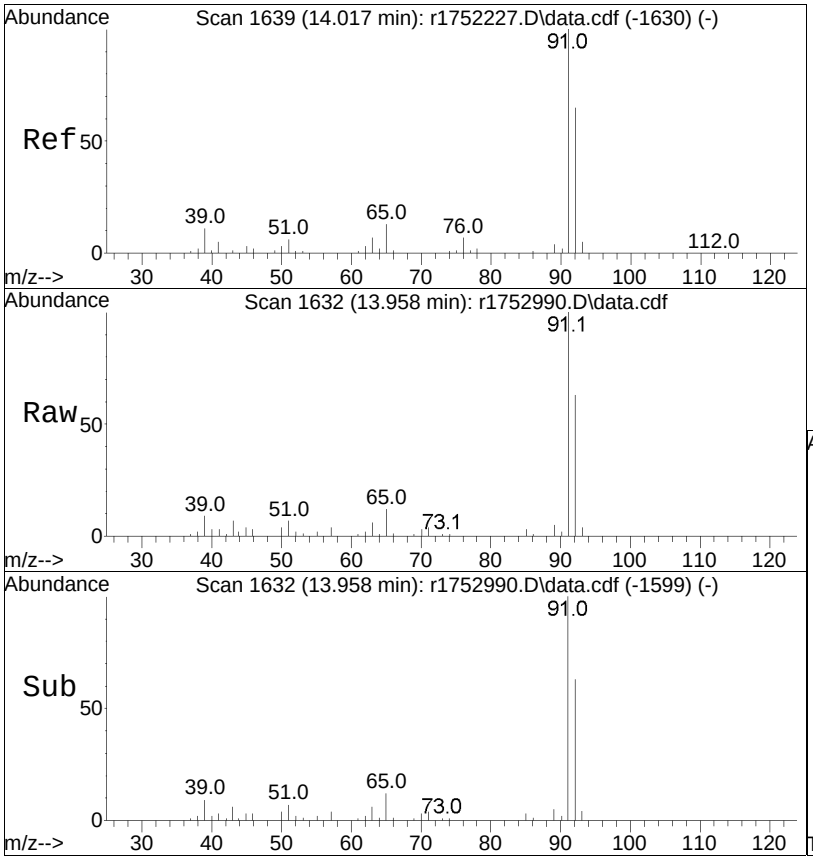


#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.883 min Scan# 1216
Delta R.T. -0.060 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 56 Resp: 2929

Ion	Ratio	Lower	Upper
56	100		
84	70.6	57.8	86.8
41	46.3	35.5	53.3

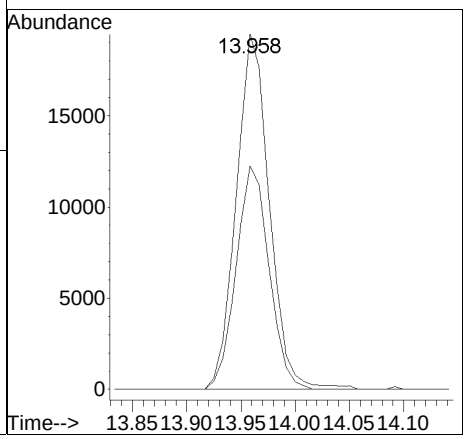


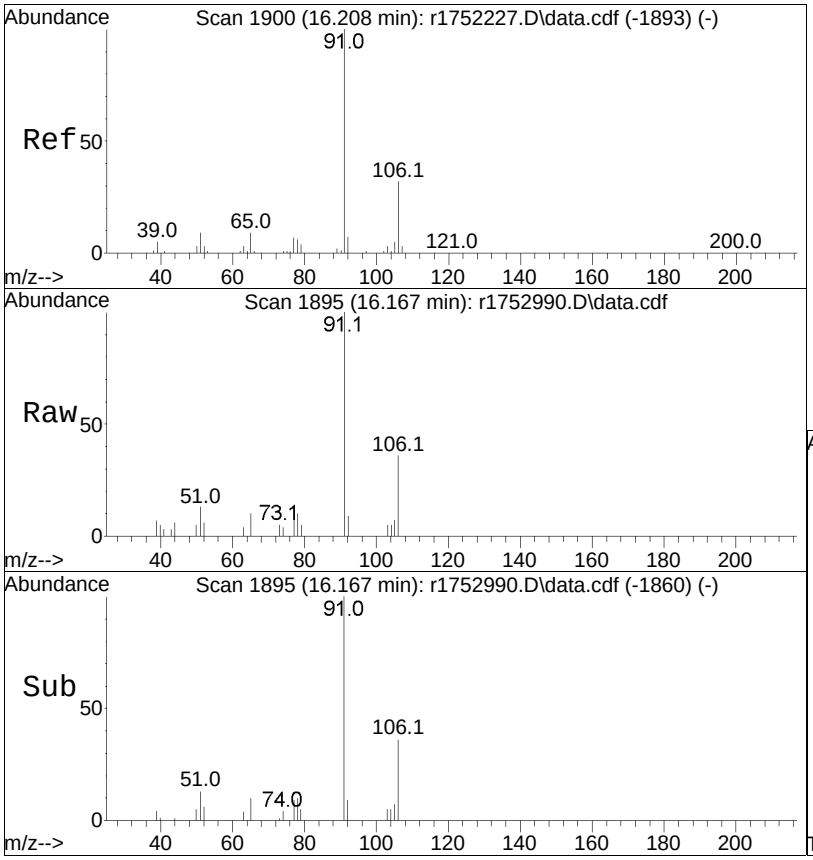


#68
toluene
Concen: 0.43 ppbV
RT: 13.958 min Scan# 1632
Delta R.T. -0.058 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 91 Resp: 41338

Ion	Ratio	Lower	Upper
91	100		
92	62.9	51.9	77.9

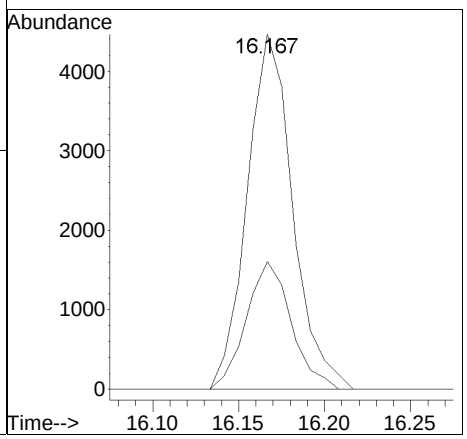


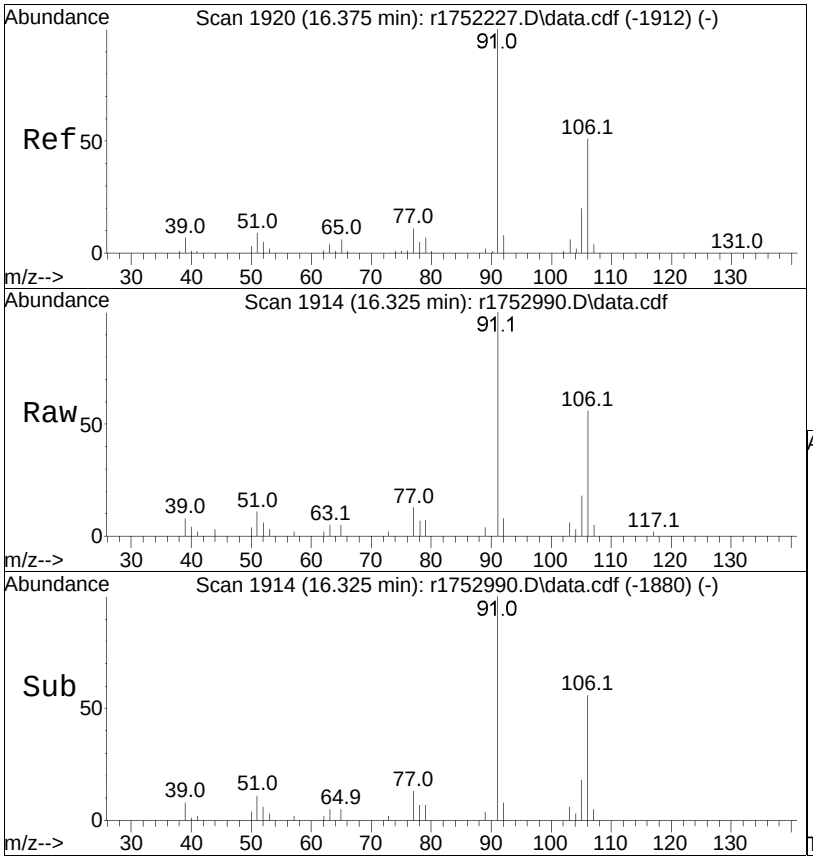


#81
ethylbenzene
Concen: 0.07 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 91 Resp: 8220

Ion	Ratio	Lower	Upper
91	100		
106	36.0	25.7	38.5

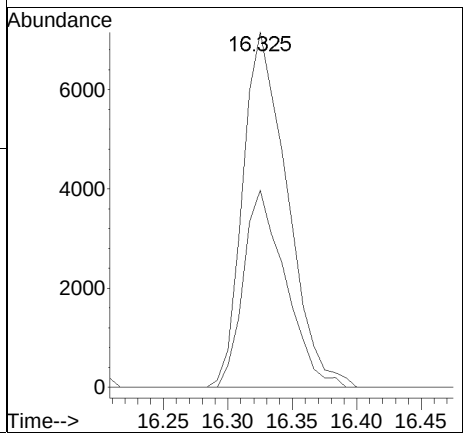


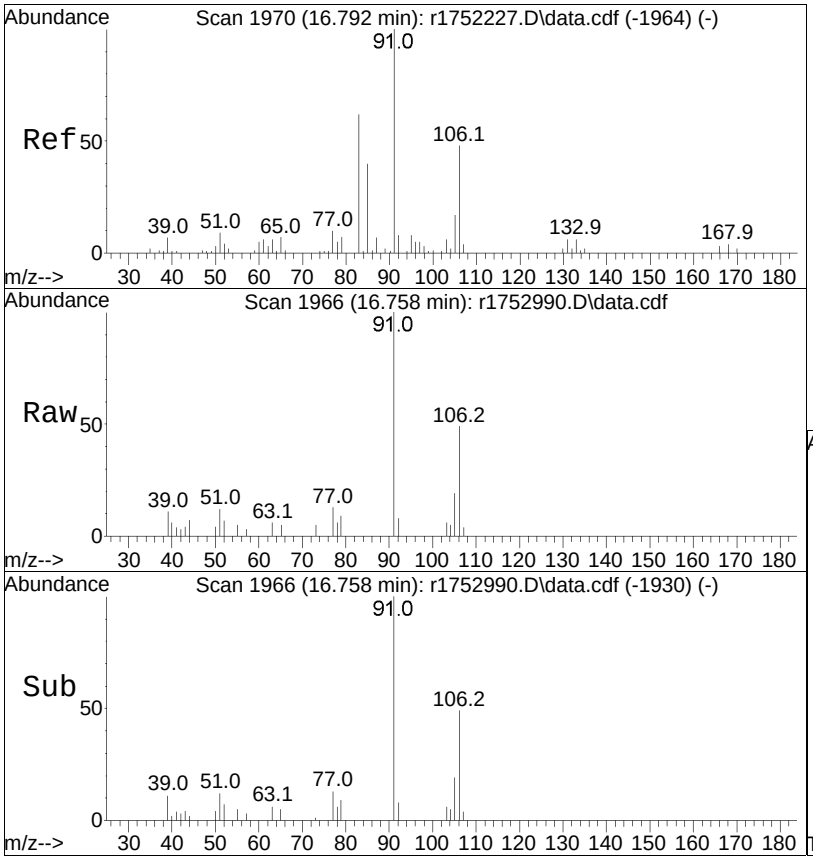


#83
m+p-xylene
Concen: 0.18 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 91 Resp: 17173

Ion	Ratio	Lower	Upper
91	100		
106	55.5	41.1	61.7

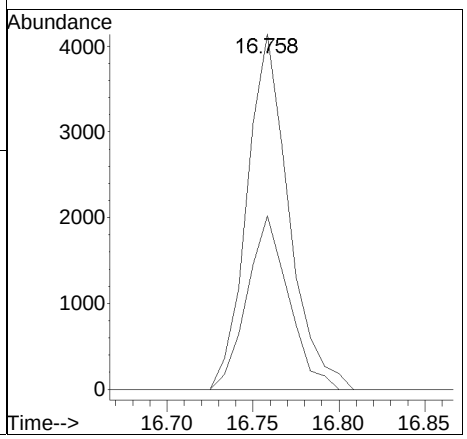


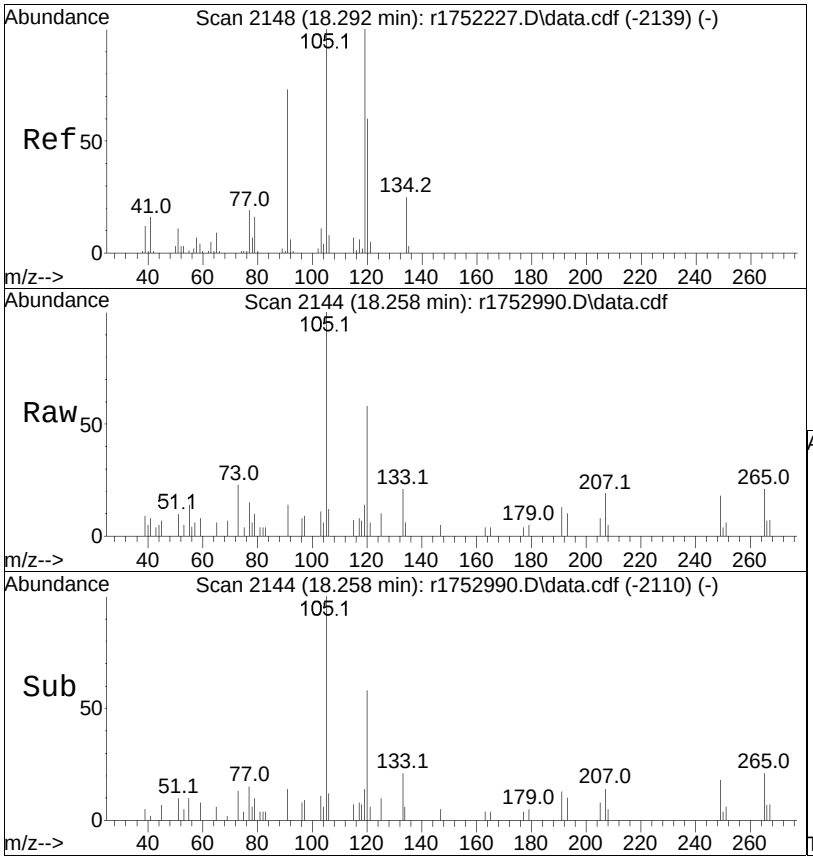


#87
o-xylene
Concen: 0.07 ppbV
RT: 16.758 min Scan# 1966
Delta R.T. -0.033 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion: 91 Resp: 7004

Ion	Ratio	Lower	Upper
91	100		
106	48.9	38.4	57.6

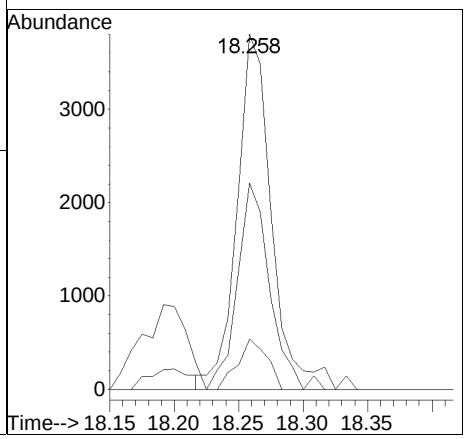




#99
1,2,4-trimethylbenzene
Concen: 0.07 ppbV
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752990.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:105 Resp: 7143

Ion	Ratio	Lower	Upper
105	100		
120	58.0	48.0	72.0
91	14.1	58.3	87.5#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1752990.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 8:11 PM	Instrument	:
Sample	: L2577500-05,3,250,250	Quant Date	: 12/19/2025 8:19 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752991.D
Acq On : 18 Dec 2025 8:49 PM
Operator : AIRLAB17:TPH
Sample : L2577500-06,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	334366	10.000	ppbV	-0.06
Standard Area = 341577			Recovery = 97.89%			
43) 1,4-difluorobenzene	10.997	114	1010220	10.000	ppbV	-0.05
Standard Area = 849055			Recovery = 118.98%			
67) chlorobenzene-D5	15.767	54	161114	10.000	ppbV	-0.04
Standard Area = 140112			Recovery = 114.99%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.856	85	22962	0.488	ppbV	96
6) chloromethane	4.012	50	10810	0.512	ppbV	96
7) Freon-114	4.114		0	N.D.		
10) 1,3-butadiene	4.360	54	594	0.031	ppbV	92
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.930	31	3377137	175.771	ppbV	96
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.417	43	321135m	9.900	ppbV	
21) trichlorofluoromethane	5.610	101	8317	0.180	ppbV	99
22) isopropyl alcohol	5.693	45	210979	5.730	ppbV	97
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.426	49	4858	0.176	ppbV	88
29) 3-chloropropene	6.540		0	N.D.		
30) carbon disulfide	6.714		0	N.D.		
31) Freon 113	6.720	101	2633	0.053	ppbV	93
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.692		0	N.D.		
36) 2-butanone	8.117	43	11615	0.227	ppbV #	96
38) Ethyl Acetate	8.875	61	7592	0.810	ppbV #	45
39) chloroform	8.933	83	2378	0.054	ppbV #	95
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.767		0	N.D.		
44) hexane	8.858	57	7029	0.145	ppbV #	56
50) benzene	10.570	78	19037	0.226	ppbV	99
53) cyclohexane	10.890	56	2406	0.047	ppbV	90
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752991.D
Acq On : 18 Dec 2025 8:49 PM
Operator : AIRLAB17:TPH
Sample : L2577500-06,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

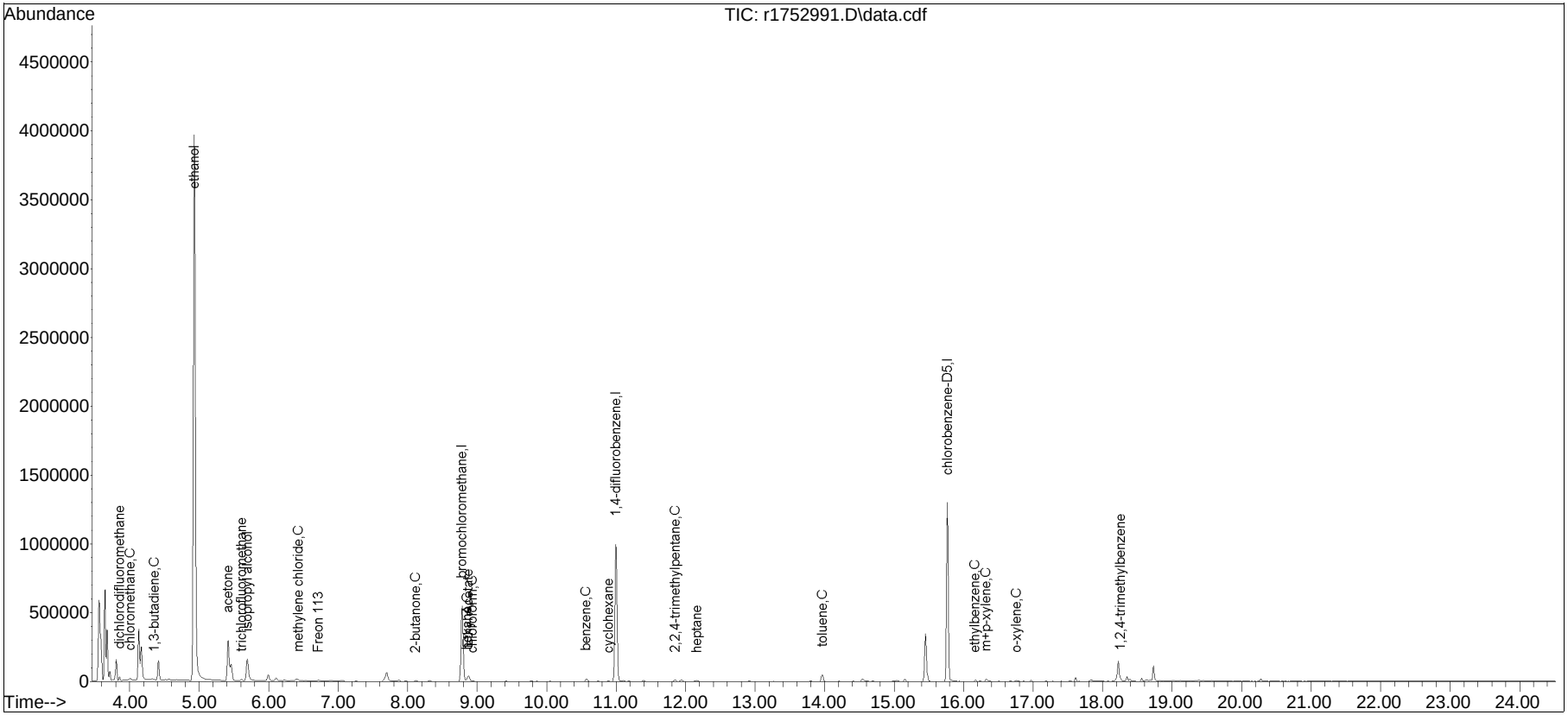
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
57)	bromodichloromethane	0.000		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	11.850	57	12617	0.081	ppbV		97
62)	heptane	12.163	43	7229	0.141	ppbV	#	72
63)	cis-1,3-dichloropropene	0.000		0	N.D.			
64)	4-methyl-2-pentanone	12.900		0	N.D.			
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	13.967	91	42603	0.384	ppbV		97
72)	2-hexanone	14.258		0	N.D.			
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
80)	chlorobenzene	15.825		0	N.D.			
81)	ethylbenzene	16.167	91	7609	0.054	ppbV		99
83)	m+p-xylene	16.325	91	15707	0.141	ppbV		99
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.667		0	N.D.			
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87)	o-xylene	16.758	91	5999	0.054	ppbV		93
96)	4-ethyl toluene	17.917		0	N.D.			
97)	1,3,5-trimethylbenzene	17.917		0	N.D.			
99)	1,2,4-trimethylbenzene	18.258	105	5833m	0.049	ppbV		
101)	Benzyl Chloride	18.258		0	N.D.			
102)	1,3-dichlorobenzene	18.450		0	N.D.			
103)	1,4-dichlorobenzene	18.450		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.342		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

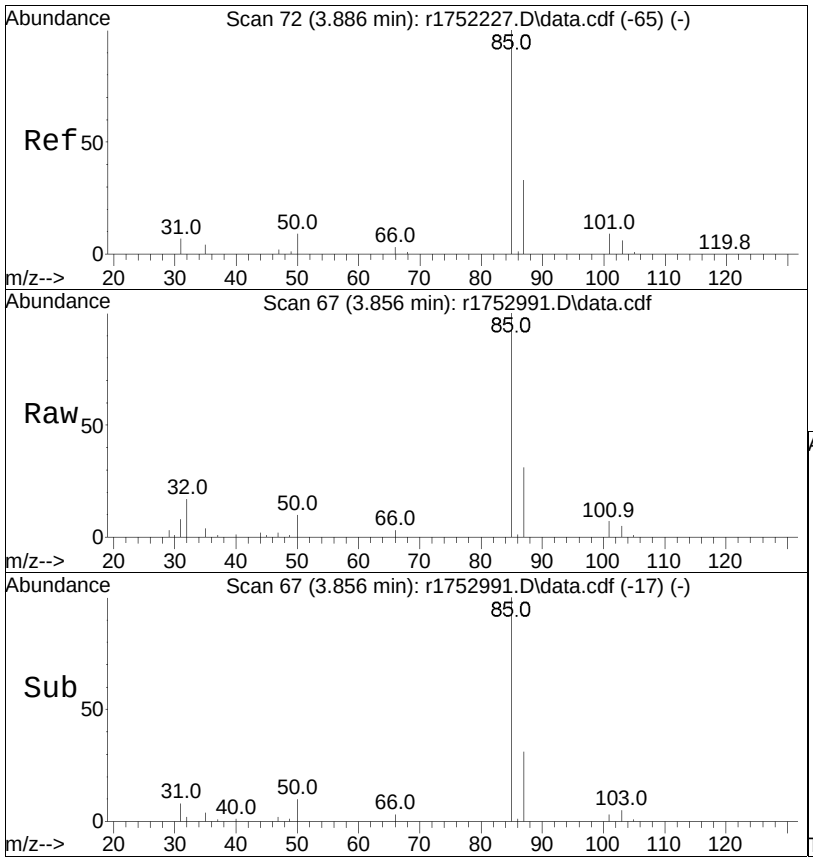
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752991.D
Acq On : 18 Dec 2025 8:49 PM
Operator : AIRLAB17:TPH
Sample : L2577500-06,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

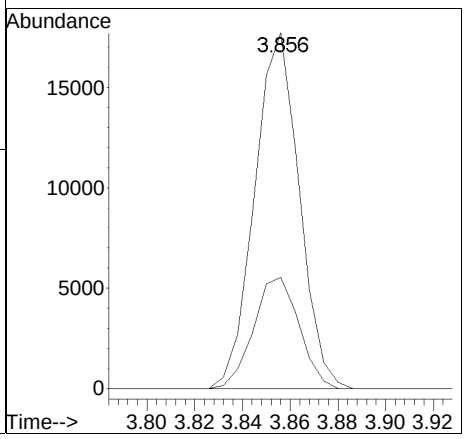


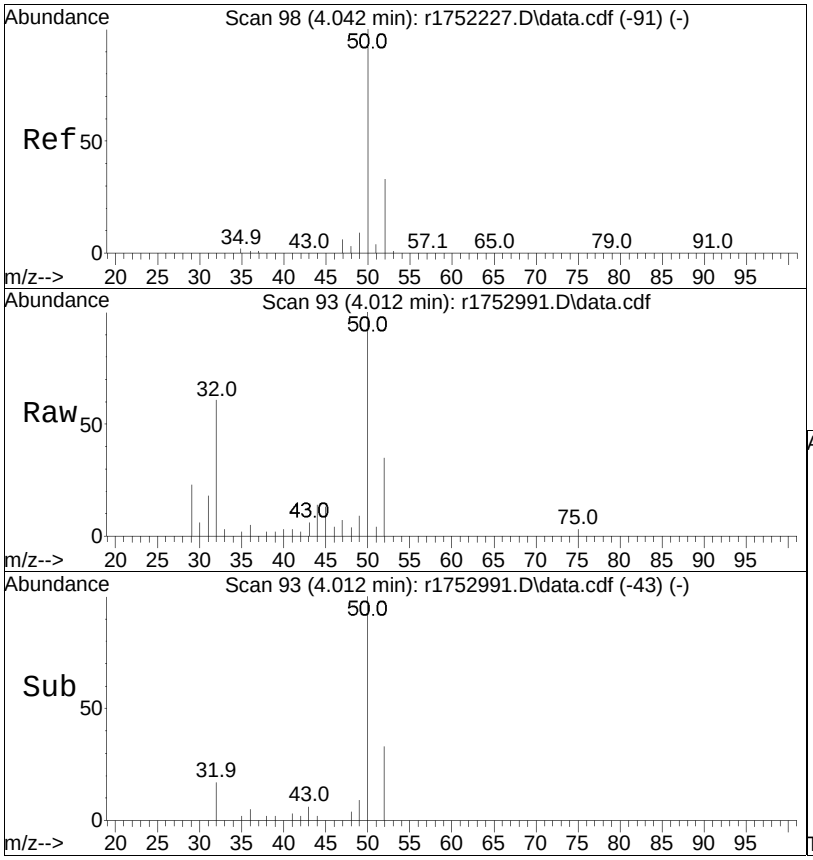


#5
dichlorodifluoromethane
Concen: 0.49 ppbV
RT: 3.856 min Scan# 67
Delta R.T. -0.030 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 85 Resp: 22962

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.7	40.1

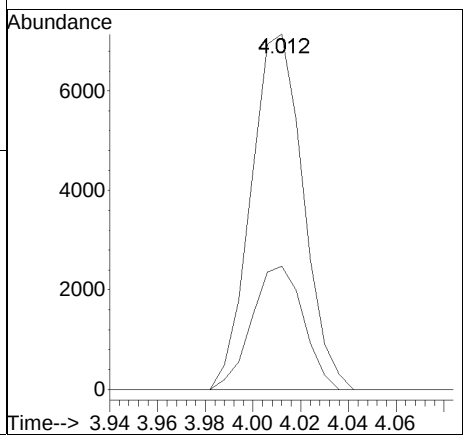


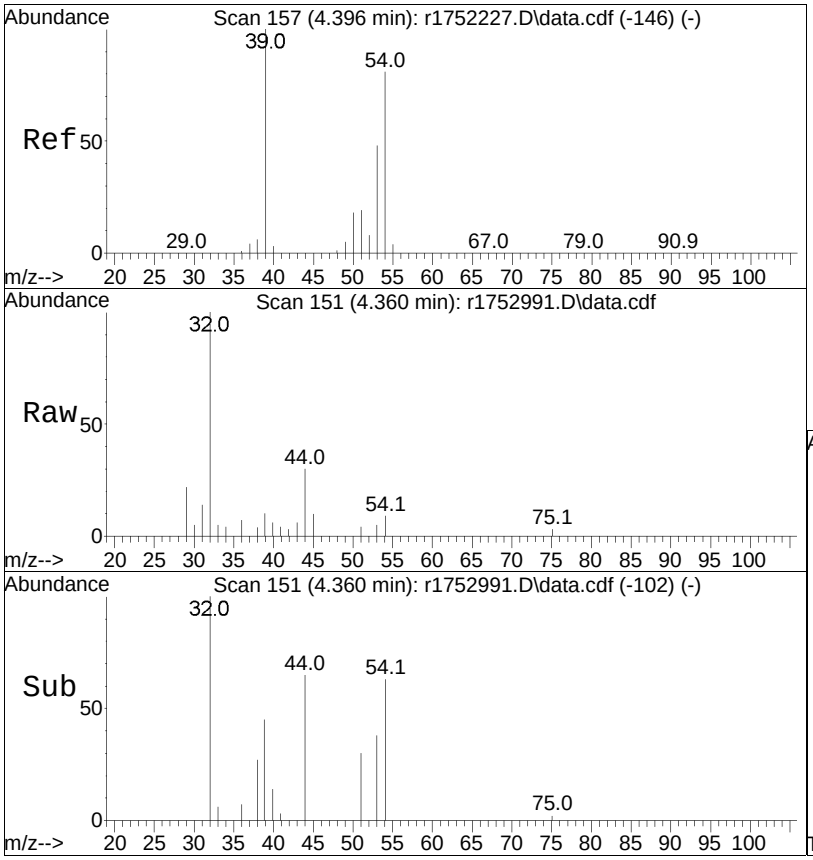


#6
chloromethane
Concen: 0.51 ppbV
RT: 4.012 min Scan# 93
Delta R.T. -0.030 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 50 Resp: 10810

Ion	Ratio	Lower	Upper
50	100		
52	34.7	26.1	39.1

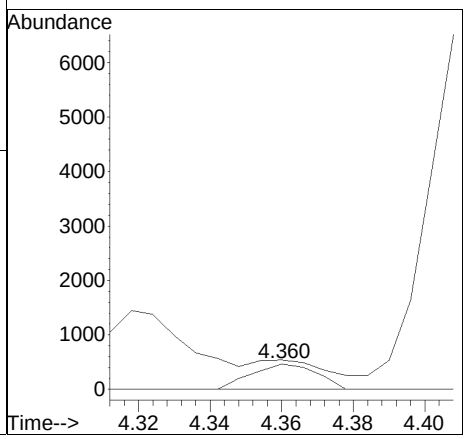


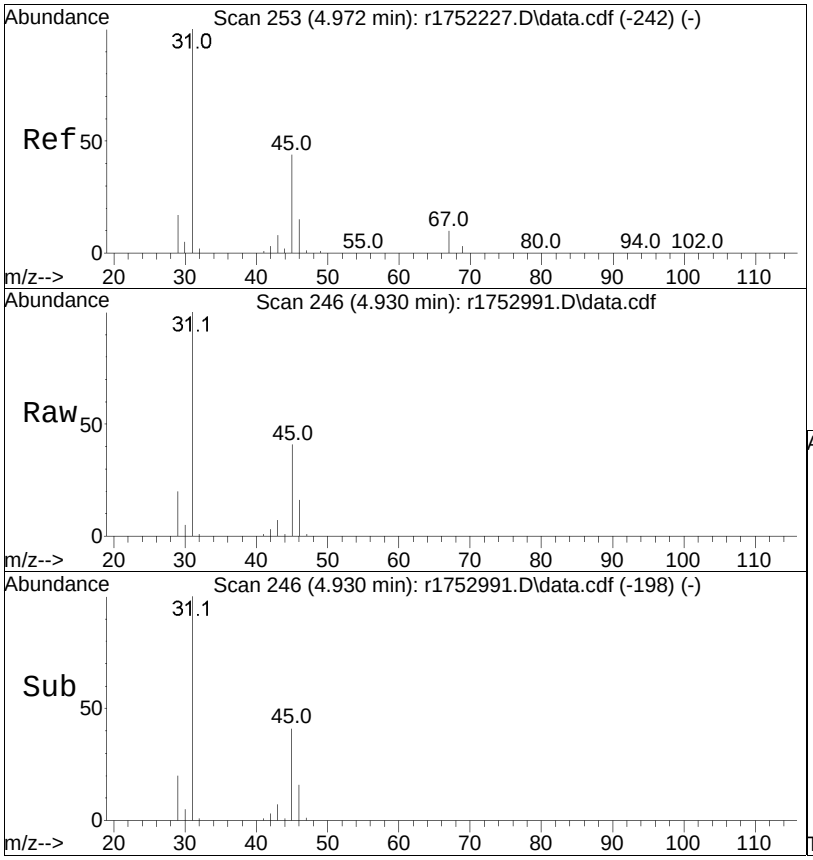


#10
1,3-butadiene
Concen: 0.03 ppbV
RT: 4.360 min Scan# 151
Delta R.T. -0.036 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 54 Resp: 594

Ion	Ratio	Lower	Upper
54	100		
39	116.1	99.8	149.8

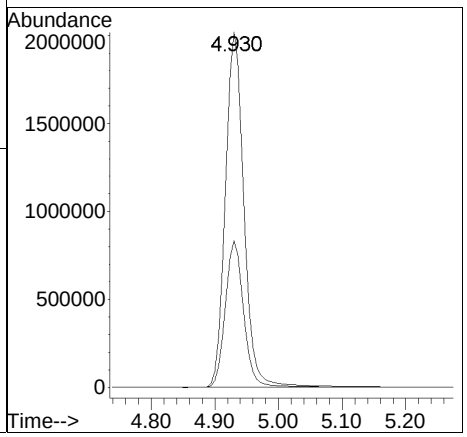


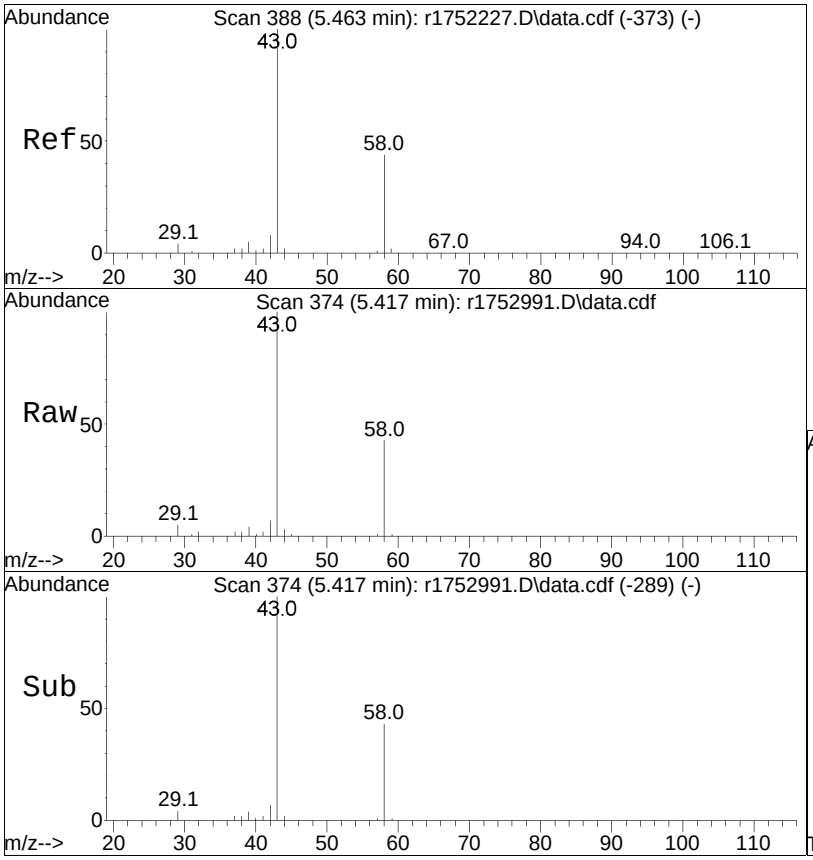


#15
ethanol
Concen: 175.77 ppbV
RT: 4.930 min Scan# 246
Delta R.T. -0.042 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 31 Resp: 3377137

Ion	Ratio	Lower	Upper
31	100		
45	41.3	35.3	52.9

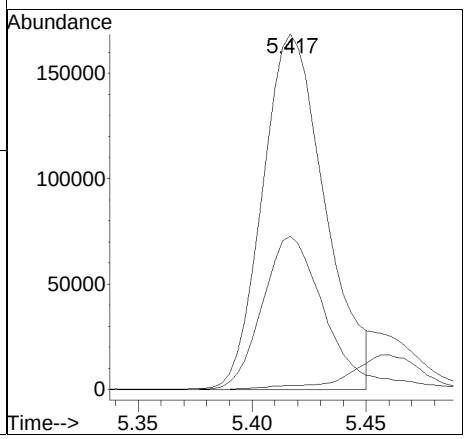


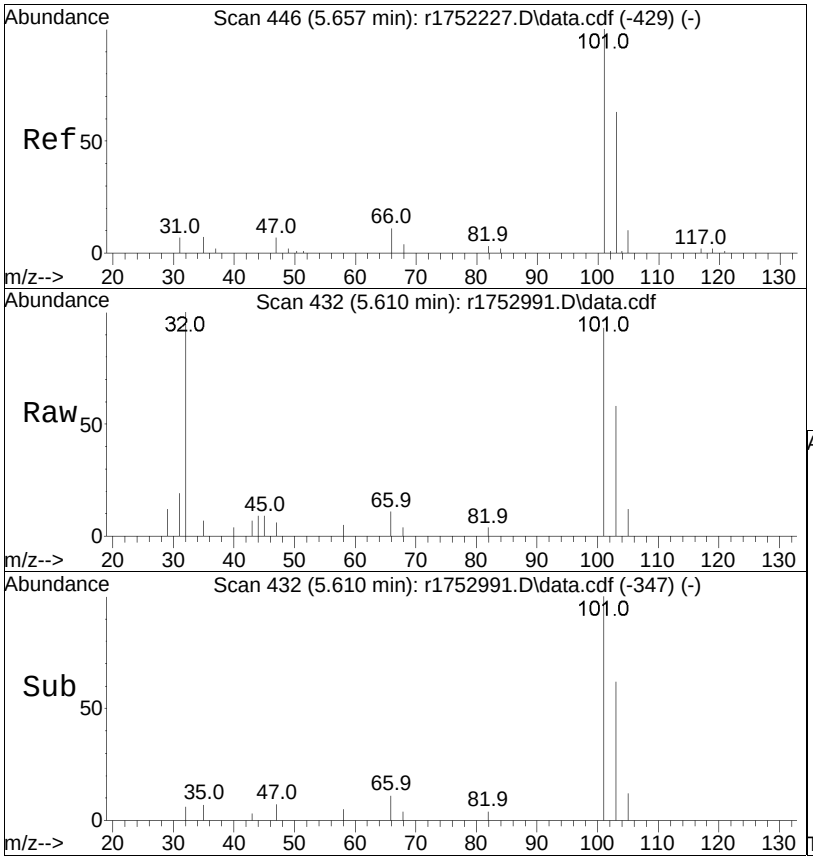


#19
acetone
Concen: 9.90 ppbV m
RT: 5.417 min Scan# 374
Delta R.T. -0.047 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 43 Resp: 321135

Ion	Ratio	Lower	Upper
43	100		
58	43.1	35.1	52.7
57	1.2	0.9	1.3

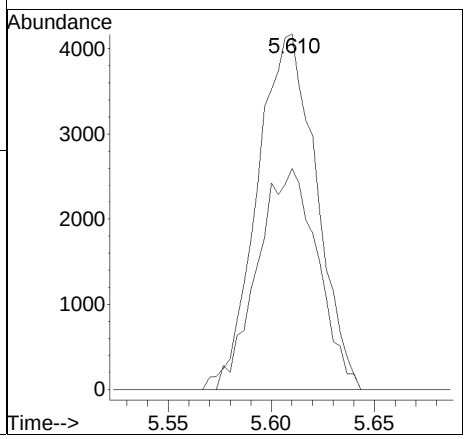


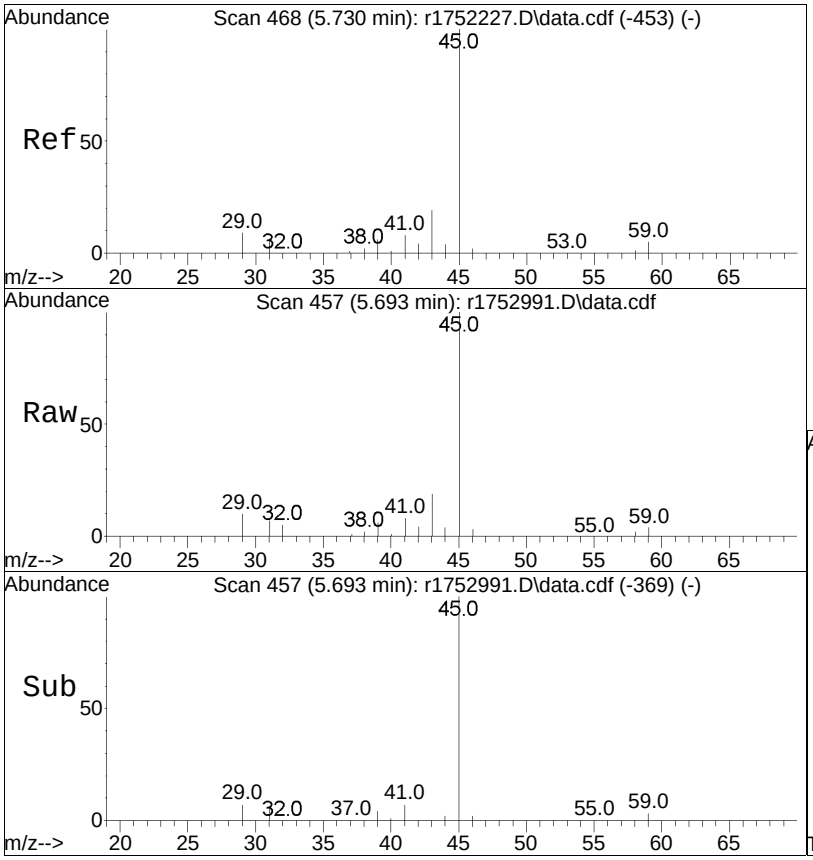


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.610 min Scan# 432
Delta R.T. -0.047 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion:101 Resp: 8317

Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.2	75.2

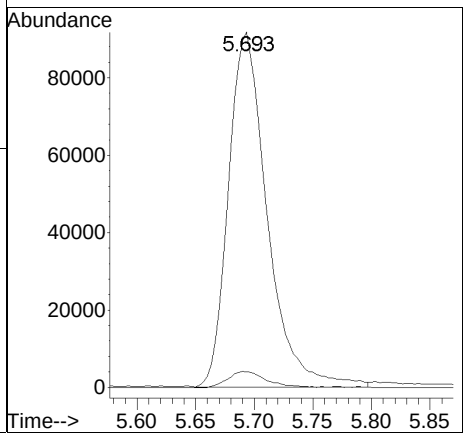


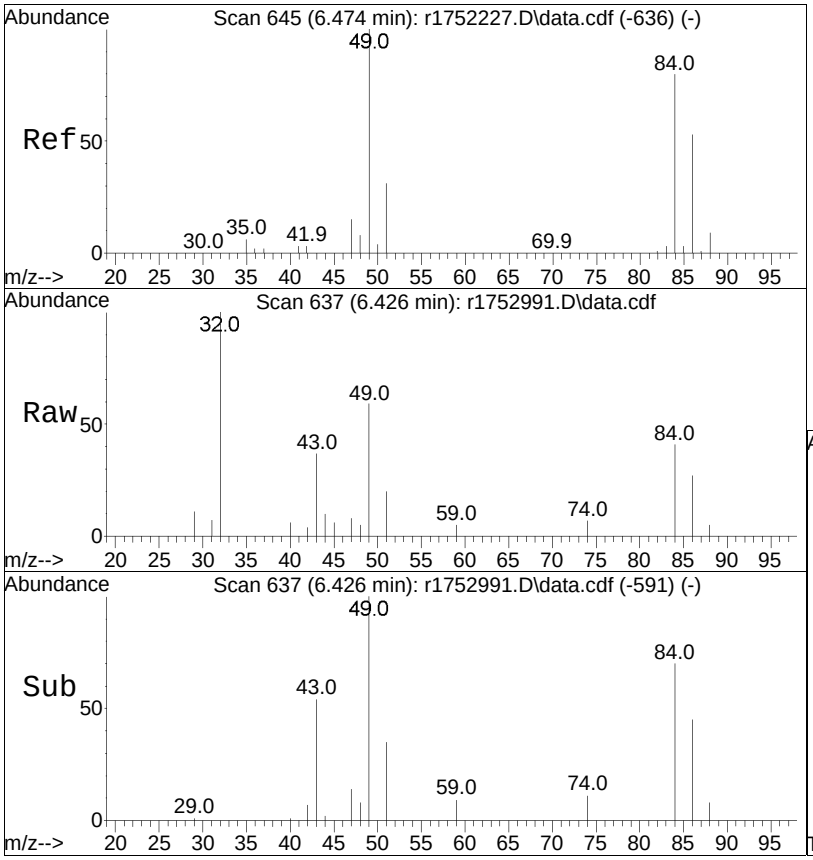


#22
isopropyl alcohol
Concen: 5.73 ppbV
RT: 5.693 min Scan# 457
Delta R.T. -0.037 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 45 Resp: 210979

Ion	Ratio	Lower	Upper
45	100		
59	4.3	4.2	6.2

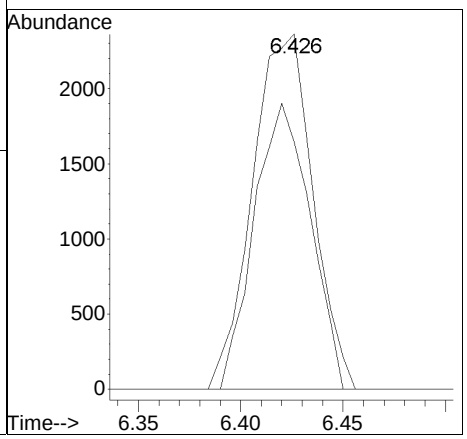


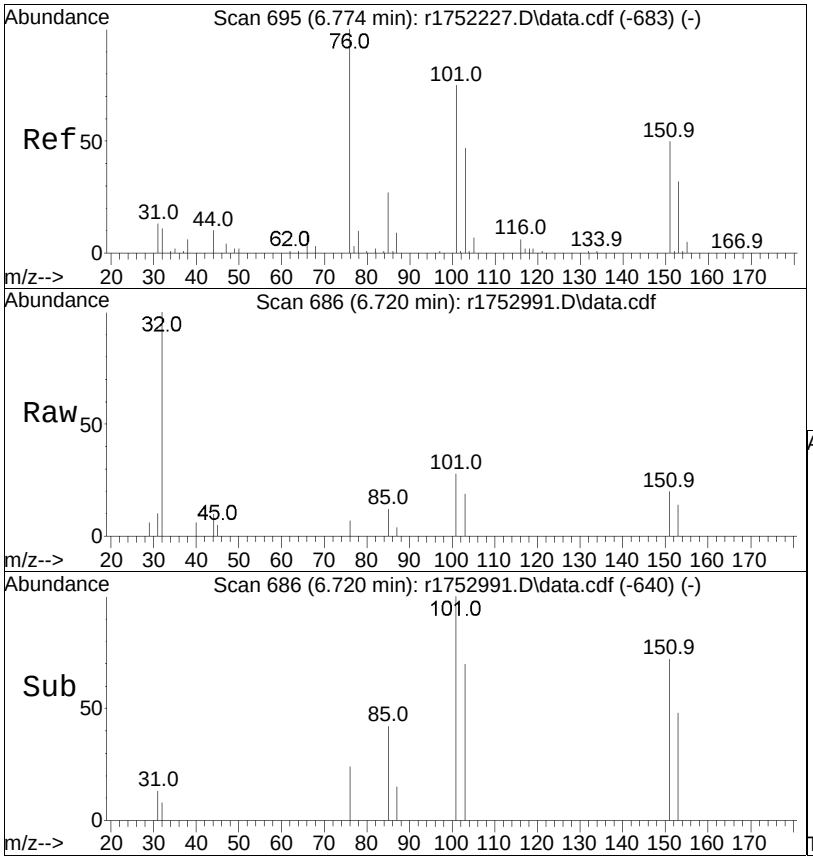


#28
methylene chloride
Concen: 0.18 ppbV
RT: 6.426 min Scan# 637
Delta R.T. -0.048 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 49 Resp: 4858

Ion	Ratio	Lower	Upper
49	100		
84	69.7	64.2	96.2

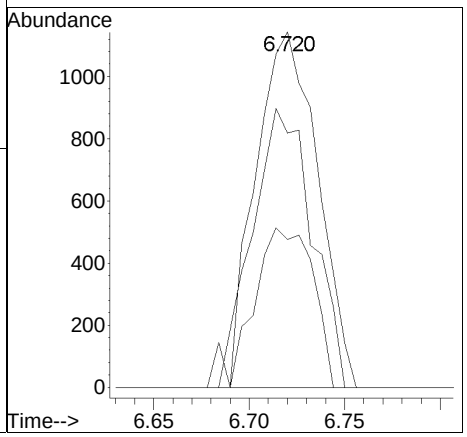


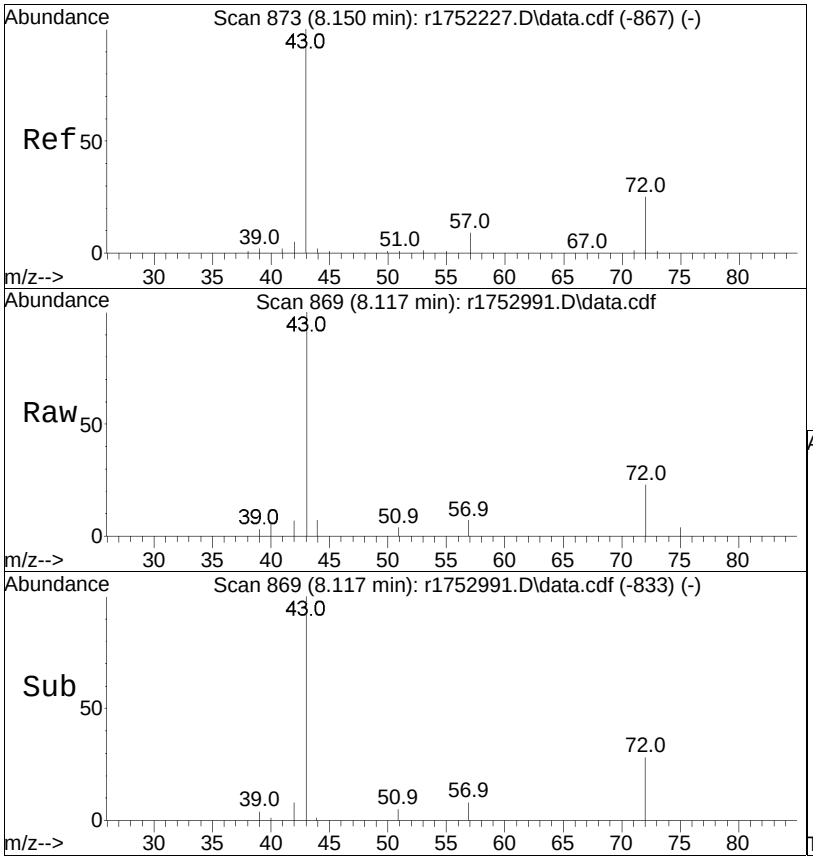


#31
Freon 113
Concen: 0.05 ppbV
RT: 6.720 min Scan# 686
Delta R.T. -0.054 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion:101 Resp: 2633

Ion	Ratio	Lower	Upper
101	100		
85	41.6	28.9	43.3
151	71.6	53.3	79.9

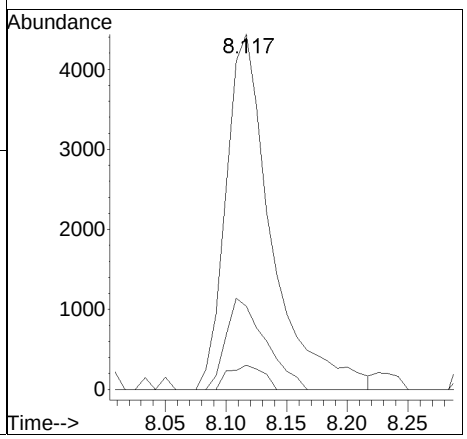


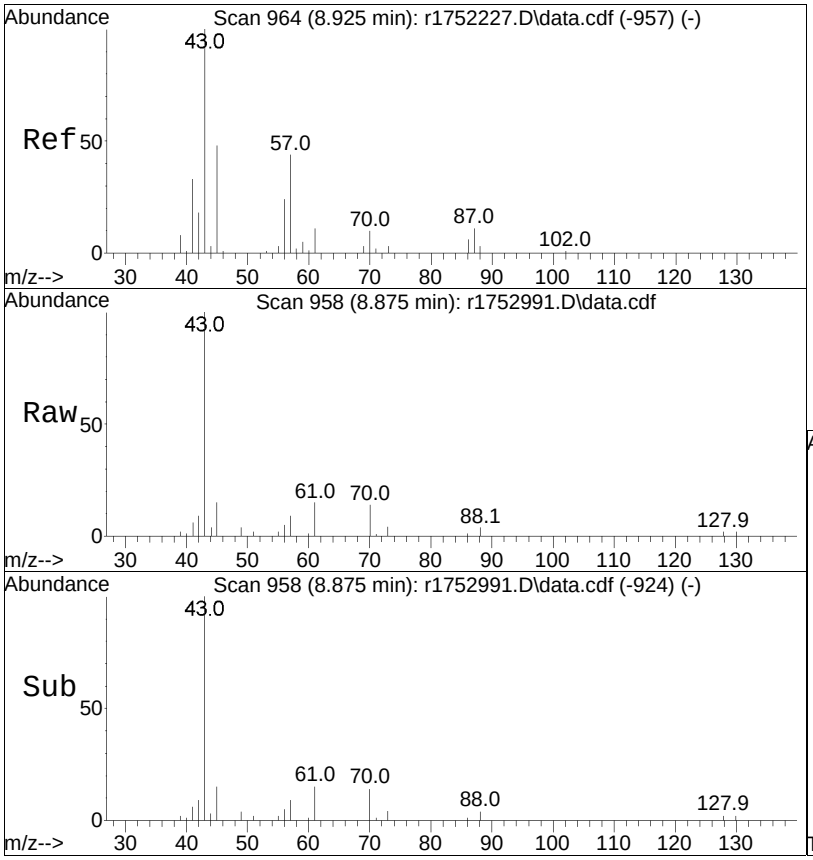


#36
2-butanone
Concen: 0.23 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 43 Resp: 11615

Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.9	29.9
57	6.8	7.2	10.8#

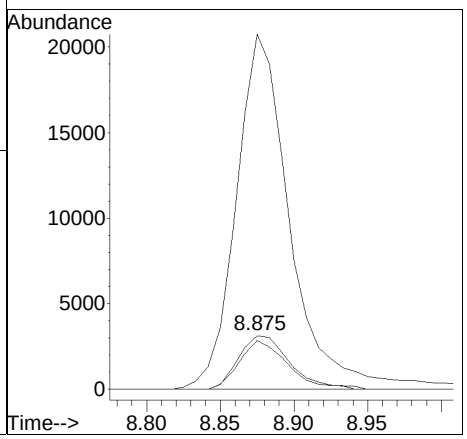


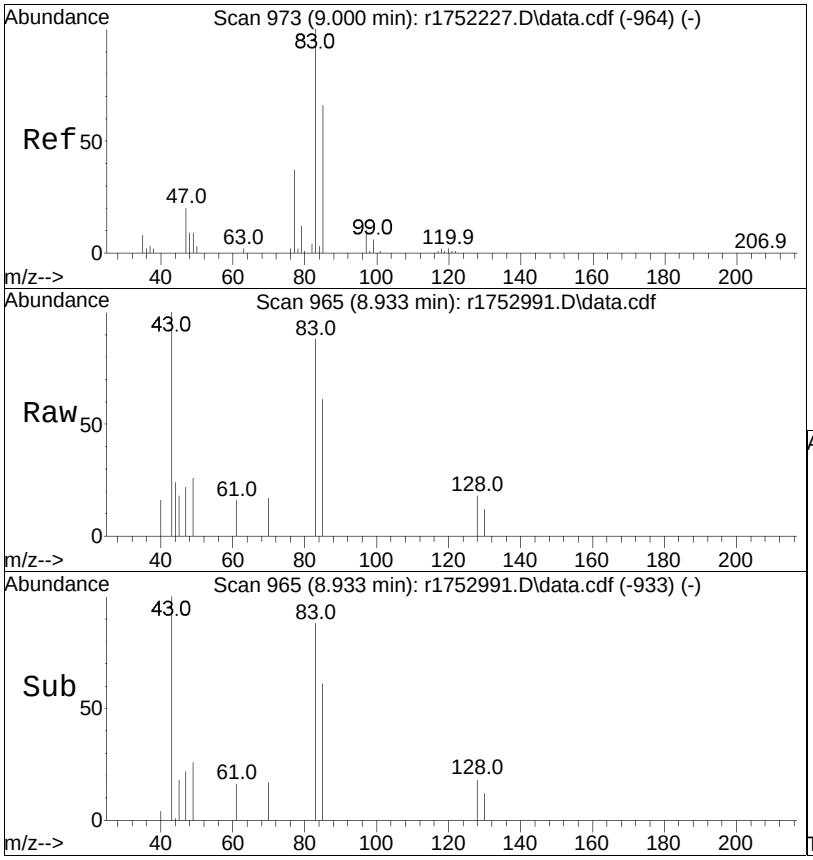


#38
Ethyl Acetate
Concen: 0.81 ppbV
RT: 8.875 min Scan# 958
Delta R.T. -0.050 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 61 Resp: 7592

Ion	Ratio	Lower	Upper
61	100		
70	91.2	68.4	102.6
43	662.3	727.4	1091.2#

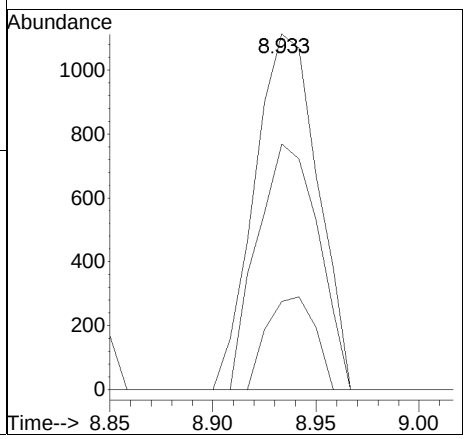


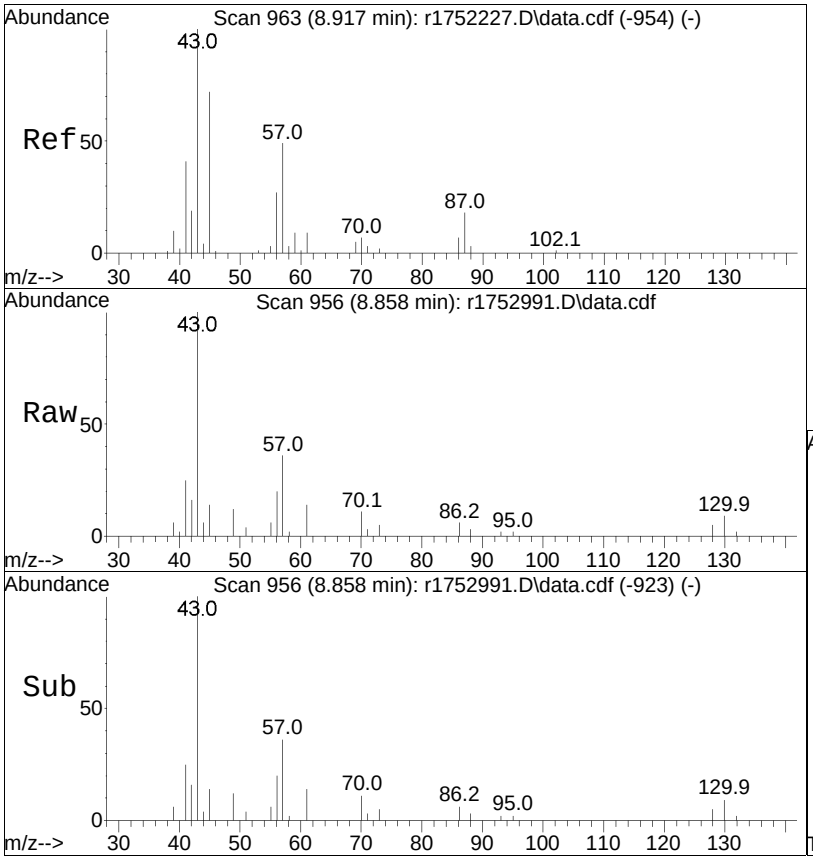


#39
chloroform
Concen: 0.05 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 83 Resp: 2378

Ion	Ratio	Lower	Upper
83	100		
85	69.1	53.1	79.7
47	24.8	16.3	24.5#

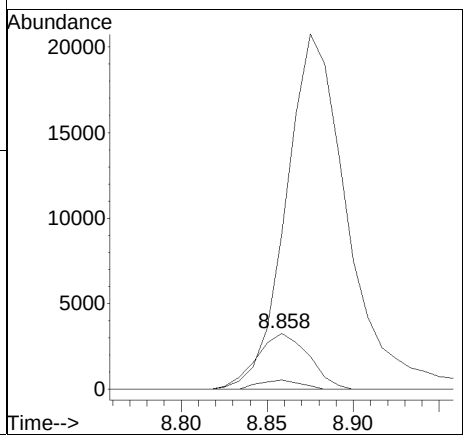


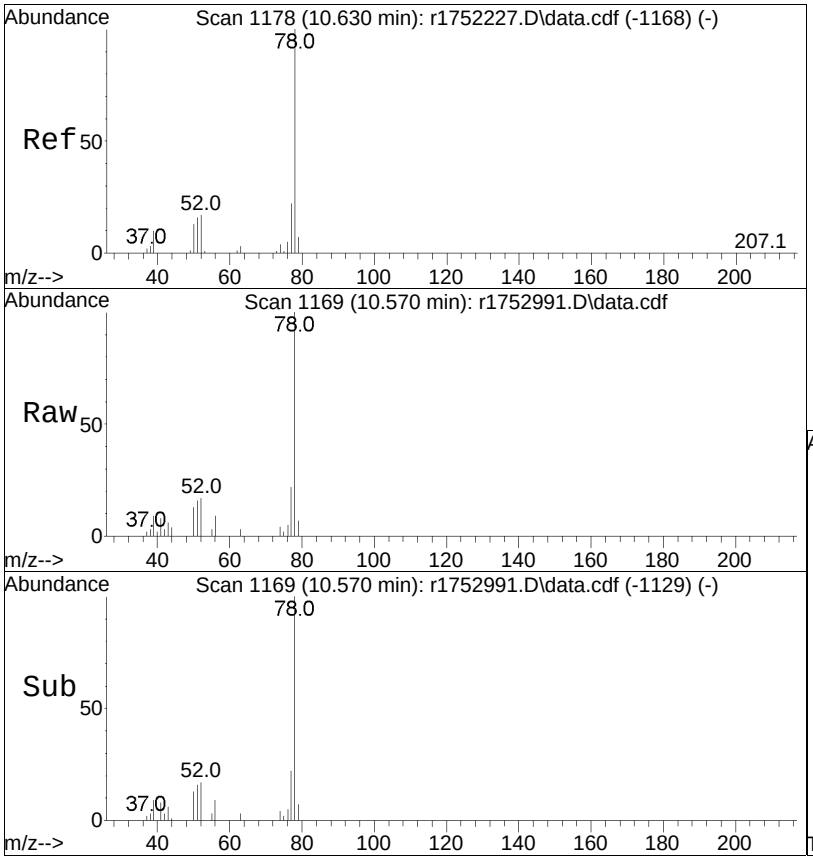


#44
hexane
Concen: 0.14 ppbV
RT: 8.858 min Scan# 956
Delta R.T. -0.058 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 57 Resp: 7029

Ion	Ratio	Lower	Upper
57	100		
43	276.9	163.5	245.3#
86	16.8	11.7	17.5

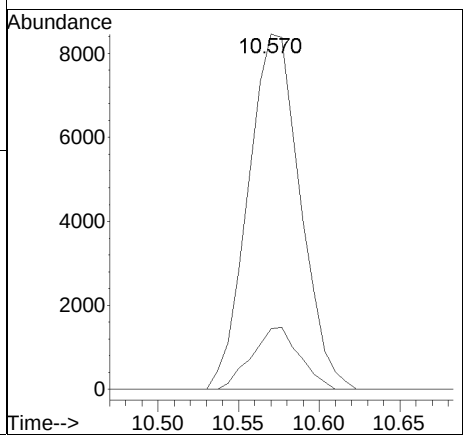


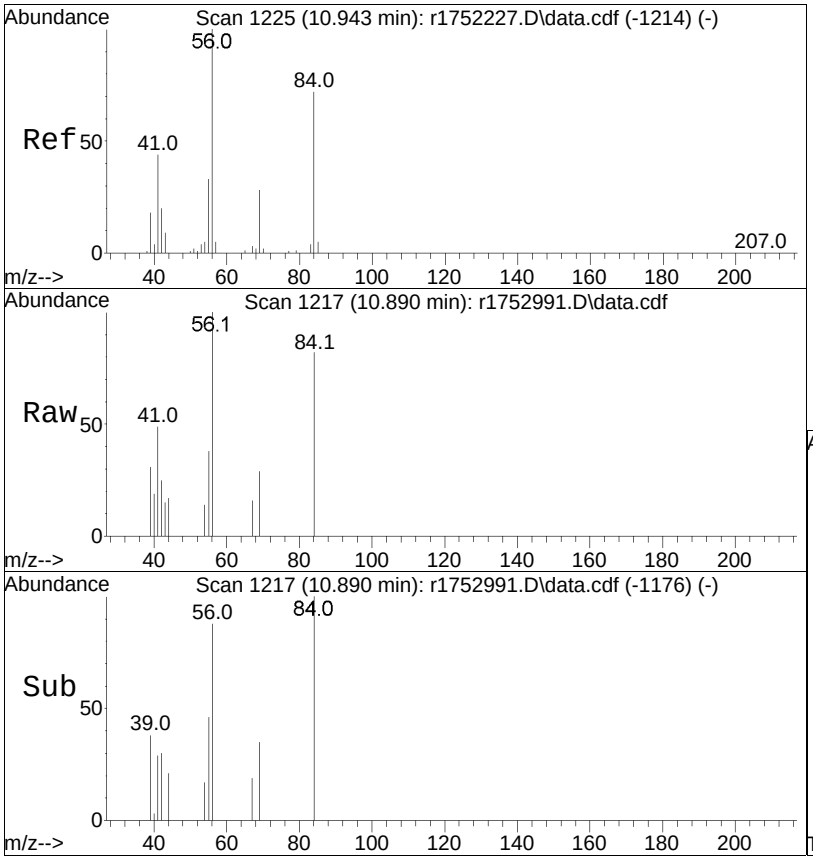


#50
benzene
Concen: 0.23 ppbV
RT: 10.570 min Scan# 1169
Delta R.T. -0.060 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 78 Resp: 19037

Ion	Ratio	Lower	Upper
78	100		
52	17.0	13.8	20.8

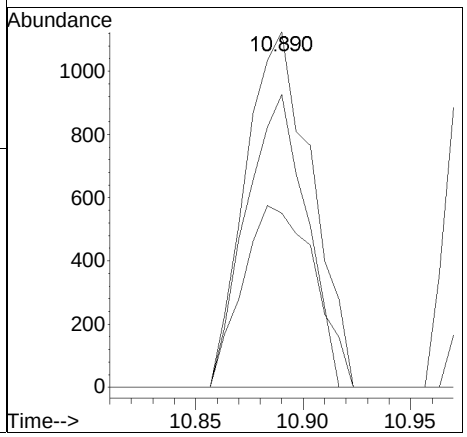


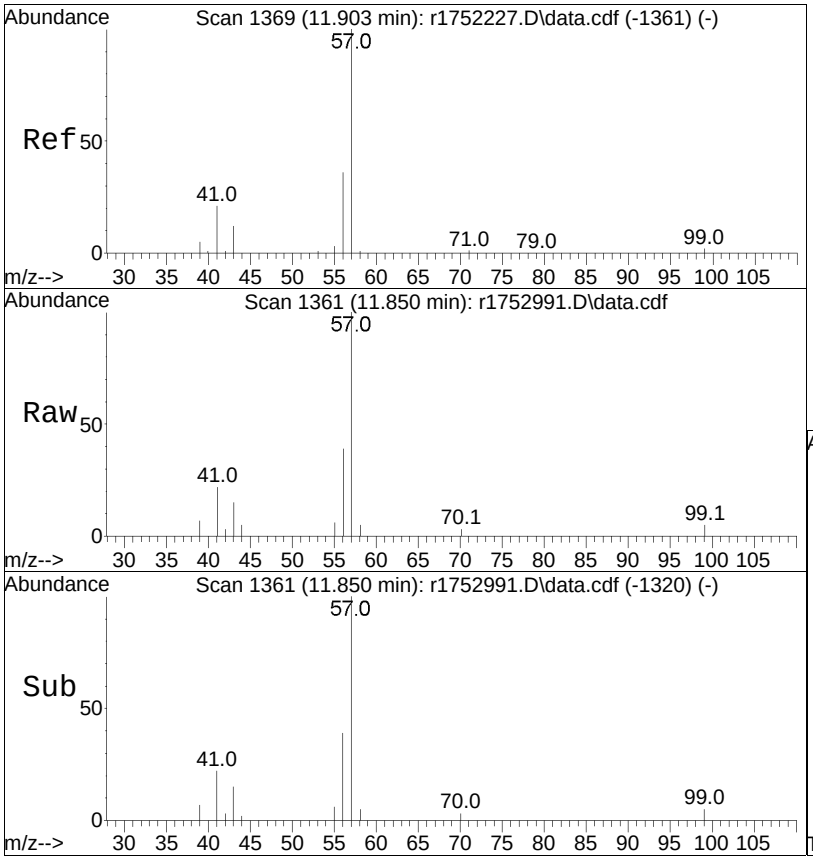


#53
cyclohexane
Concen: 0.05 ppbV
RT: 10.890 min Scan# 1217
Delta R.T. -0.053 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 56 Resp: 2406

Ion	Ratio	Lower	Upper
56	100		
84	82.4	57.8	86.8
41	49.0	35.5	53.3

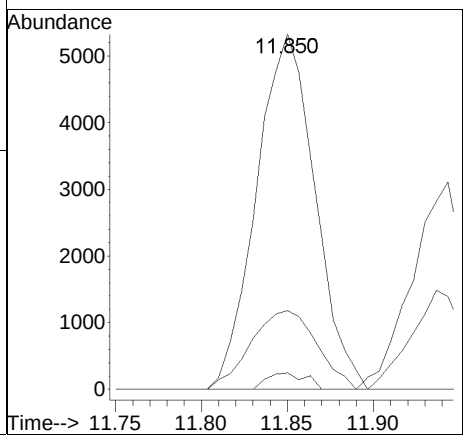


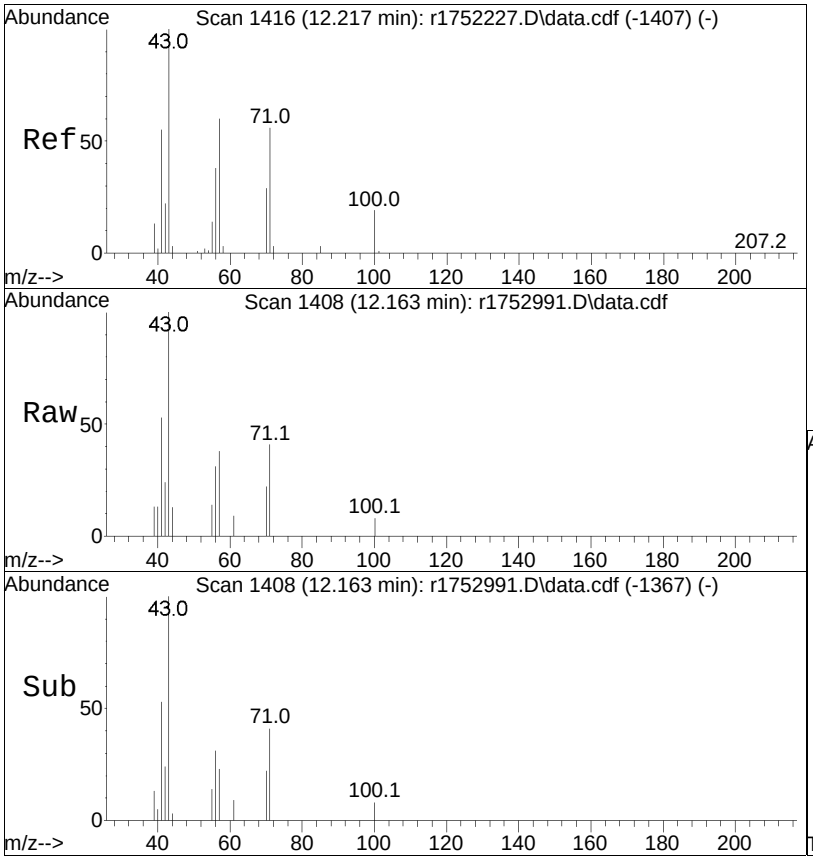


#60
2,2,4-trimethylpentane
Concen: 0.08 ppbV
RT: 11.850 min Scan# 1361
Delta R.T. -0.053 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 57 Resp: 12617

Ion	Ratio	Lower	Upper
57	100		
99	4.7	3.8	5.8
41	22.2	16.5	24.7

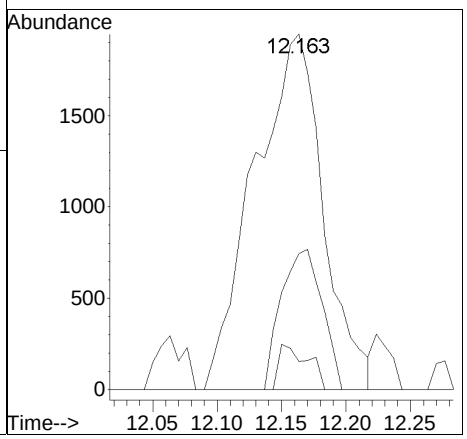


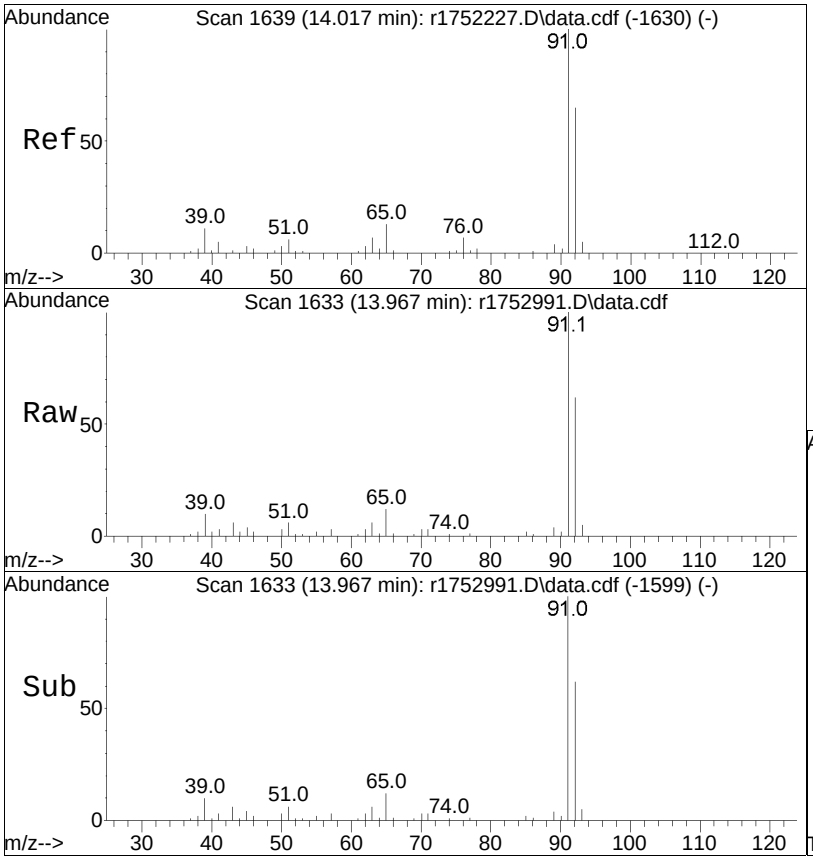


#62
heptane
Concen: 0.14 ppbV
RT: 12.163 min Scan# 1408
Delta R.T. -0.053 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 43 Resp: 7229

Ion	Ratio	Lower	Upper
43	100		
57	38.3	48.3	72.5#
100	7.9	15.4	23.0#

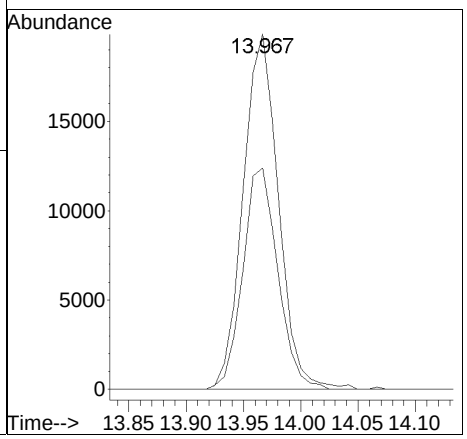


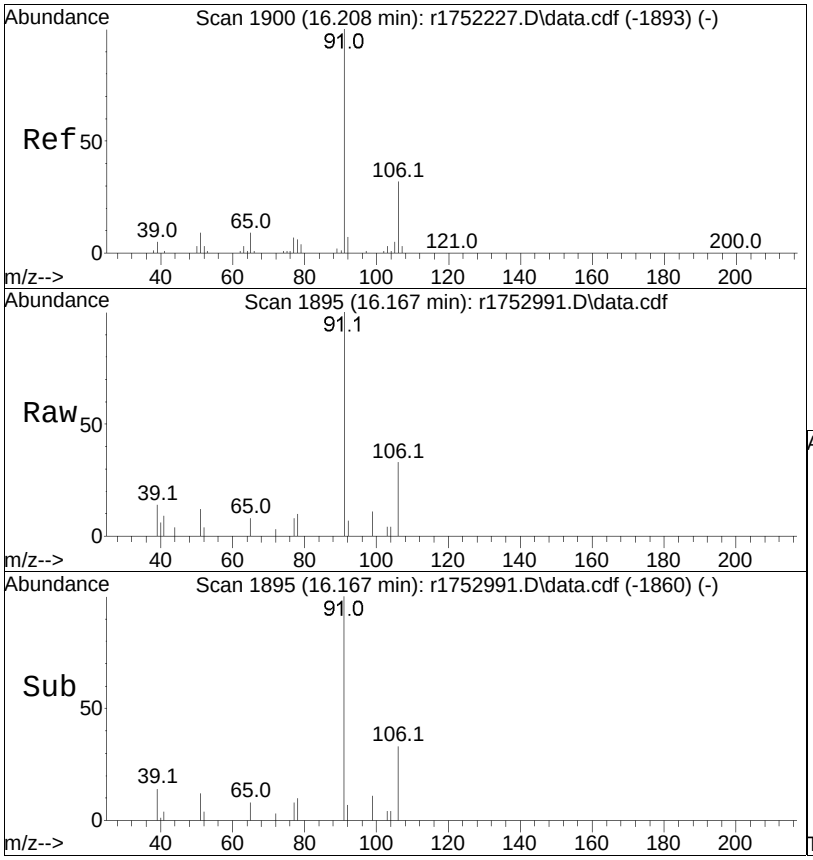


#68
toluene
Concen: 0.38 ppbV
RT: 13.967 min Scan# 1633
Delta R.T. -0.050 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 91 Resp: 42603

Ion	Ratio	Lower	Upper
91	100		
92	62.3	51.9	77.9

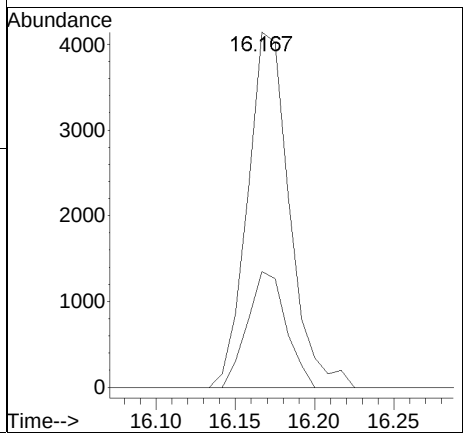


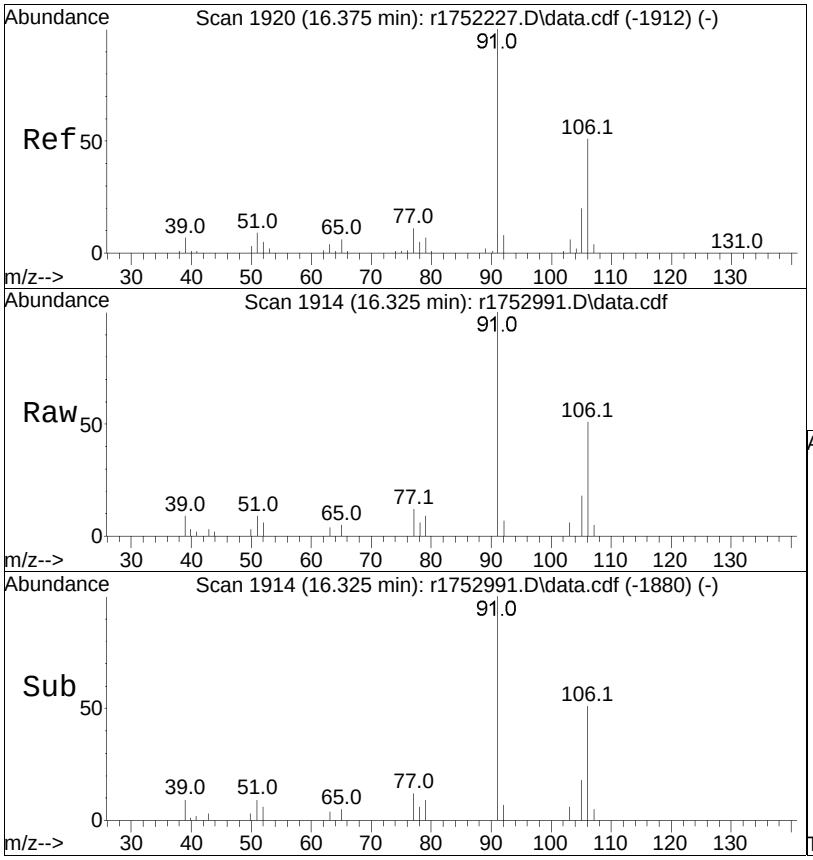


#81
ethylbenzene
Concen: 0.05 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 91 Resp: 7609

Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5

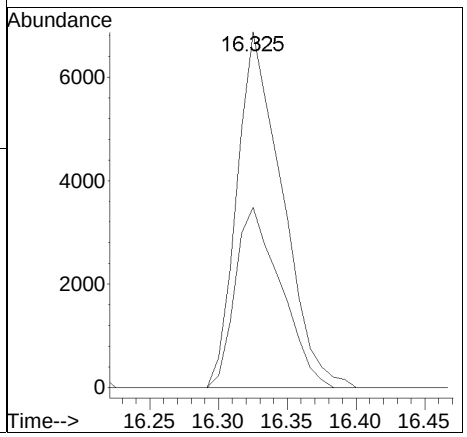


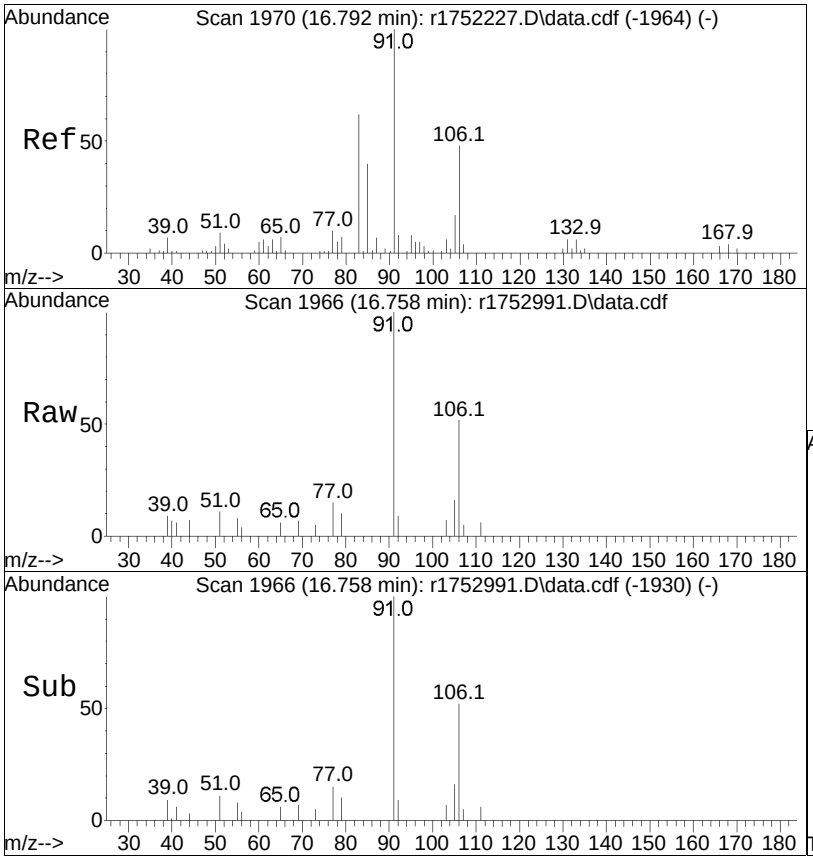


#83
m+p-xylene
Concen: 0.14 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 91 Resp: 15707

Ion	Ratio	Lower	Upper
91	100		
106	50.7	41.1	61.7

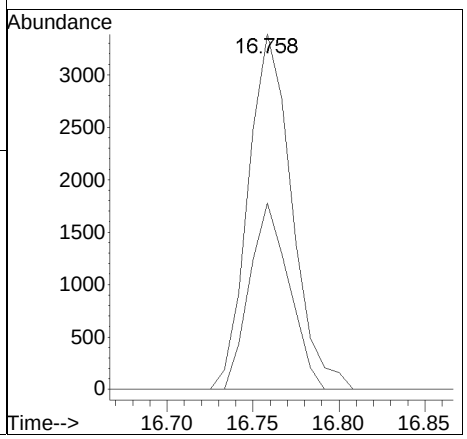


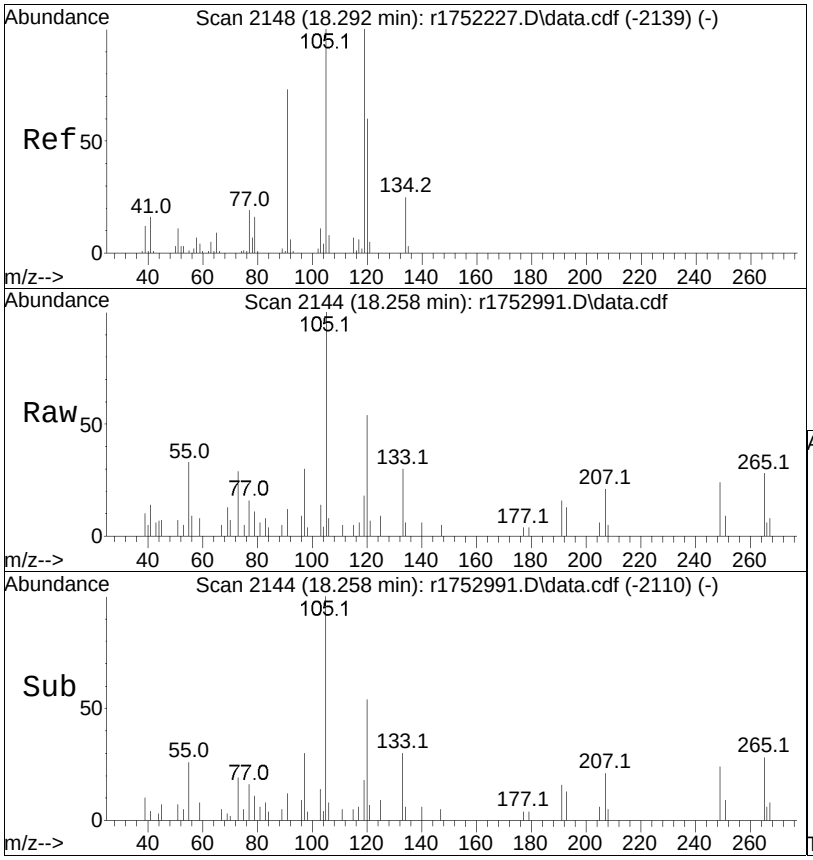


#87
o-xylene
Concen: 0.05 ppbV
RT: 16.758 min Scan# 1966
Delta R.T. -0.033 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion: 91 Resp: 5999

Ion	Ratio	Lower	Upper
91	100		
106	52.4	38.4	57.6

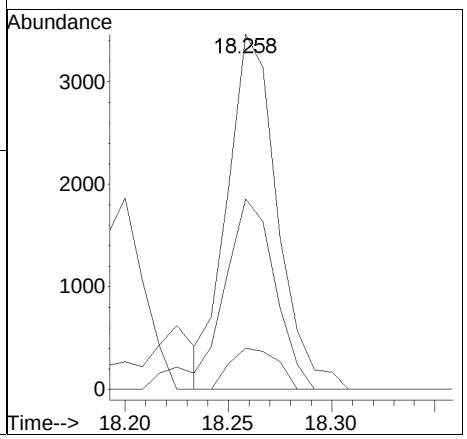




#99
1,2,4-trimethylbenzene
Concen: 0.05 ppbV m
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752991.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion:105 Resp: 5833

Ion	Ratio	Lower	Upper
105	100		
120	53.6	48.0	72.0
91	11.6	58.3	87.5#

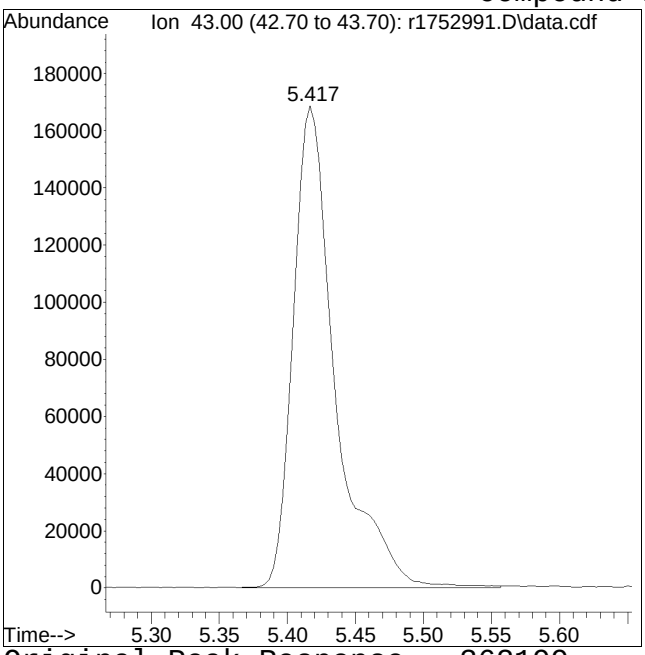


Manual Integration Report

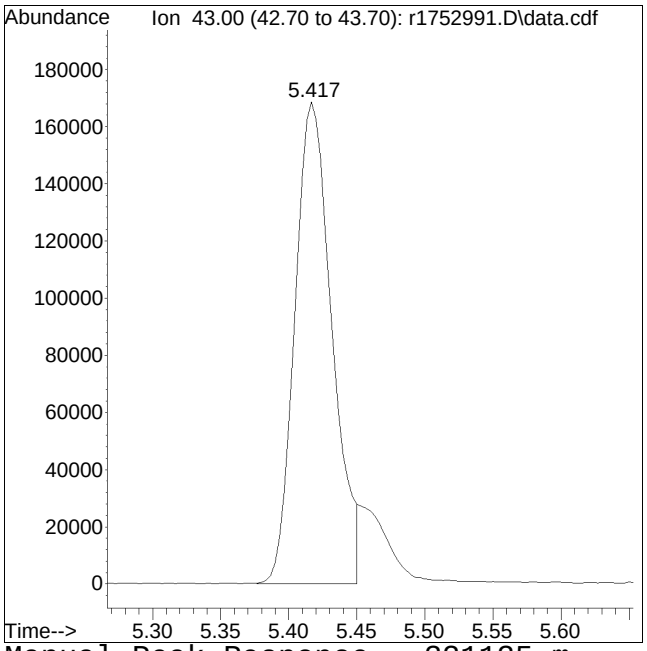
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752991.D
Date Inj'd : 12/18/2025 8:49 PM
Sample : L2577500-06,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #19: acetone



Original Peak Response = 362199



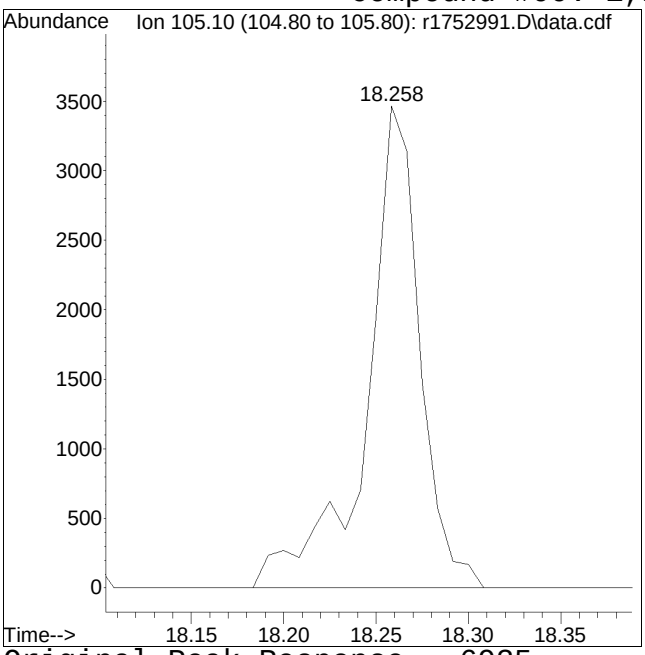
Manual Peak Response = 321135 m

Manual Integration Report

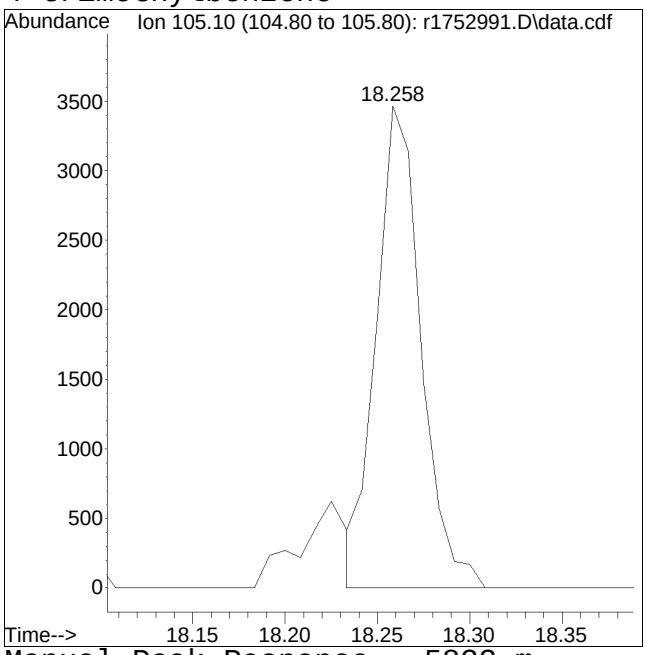
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752991.D
Date Inj'd : 12/18/2025 8:49 PM
Sample : L2577500-06,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 6935



Manual Peak Response = 5833 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752992.D
Acq On : 18 Dec 2025 9:26 PM
Operator : AIRLAB17:TPH
Sample : L2577500-07,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	308939	10.000	ppbV	-0.06
Standard Area = 341577			Recovery =		90.44%	
43) 1,4-difluorobenzene	11.003	114	811180	10.000	ppbV	-0.05
Standard Area = 849055			Recovery =		95.54%	
67) chlorobenzene-D5	15.767	54	137870	10.000	ppbV	-0.04
Standard Area = 140112			Recovery =		98.40%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.856	85	24039	0.552	ppbV	98
6) chloromethane	4.012	50	13150	0.673	ppbV	98
7) Freon-114	4.114		0	N.D.		
10) 1,3-butadiene	4.366	54	584	0.033	ppbV	91
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.942	31	5583883	314.545	ppbV	97
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.420	43	393481m	13.128	ppbV	
21) trichlorofluoromethane	5.610	101	8331	0.195	ppbV	100
22) isopropyl alcohol	5.700	45	249159	7.324	ppbV	97
27) tertiary butyl alcohol	6.348	59	1679	0.035	ppbV #	54
28) methylene chloride	6.426	49	5382	0.211	ppbV	94
29) 3-chloropropene	6.552		0	N.D.		
30) carbon disulfide	6.714		0	N.D.		
31) Freon 113	6.726	101	2814	0.061	ppbV	96
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.658		0	N.D.		
36) 2-butanone	8.117	43	11427	0.242	ppbV #	97
38) Ethyl Acetate	8.883	61	9016	1.041	ppbV #	51
39) chloroform	8.933	83	3098	0.076	ppbV #	86
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.767		0	N.D.		
44) hexane	8.867	57	8015	0.206	ppbV #	1
50) benzene	10.577	78	17451	0.257	ppbV	100
53) cyclohexane	10.890	56	2357	0.057	ppbV	96
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752992.D
Acq On : 18 Dec 2025 9:26 PM
Operator : AIRLAB17:TPH
Sample : L2577500-07,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

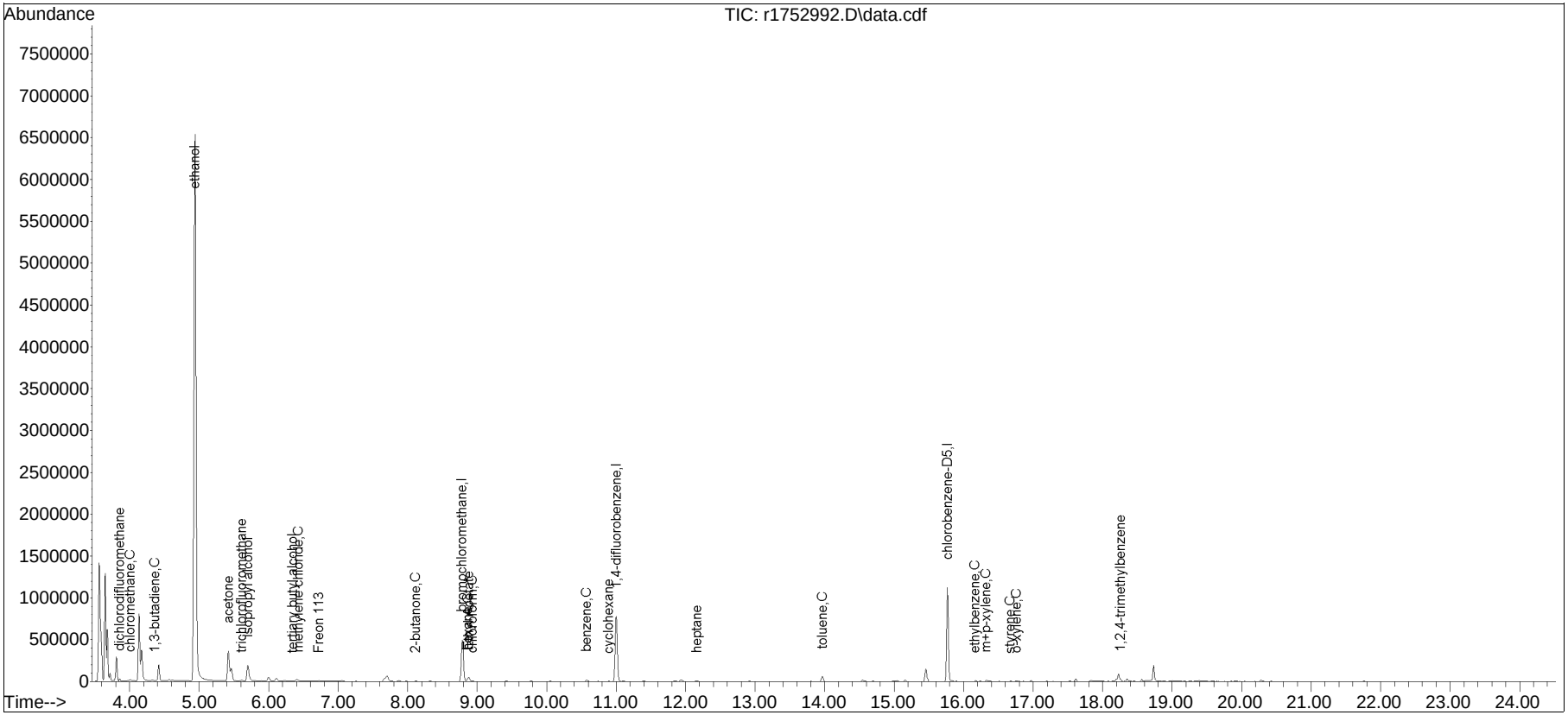
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.	d	
62) heptane	12.163	43	4966	0.120	ppbV #	75
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.908		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.967	91	51647	0.544	ppbV	96
72) 2-hexanone	14.258		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.833		0	N.D.		
81) ethylbenzene	16.167	91	6590	0.055	ppbV	98
83) m+p-xylene	16.325	91	14354	0.150	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.667	104	2438	0.034	ppbV	94
86) 1,1,2,2-tetrachloroethane	16.808		0	N.D.		
87) o-xylene	16.758	91	5532	0.058	ppbV	96
96) 4-ethyl toluene	17.908		0	N.D.		
97) 1,3,5-trimethylbenzene	17.908		0	N.D.		
99) 1,2,4-trimethylbenzene	18.258	105	5932	0.059	ppbV #	52
101) Benzyl Chloride	18.450		0	N.D.		
102) 1,3-dichlorobenzene	18.450		0	N.D.		
103) 1,4-dichlorobenzene	18.450		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

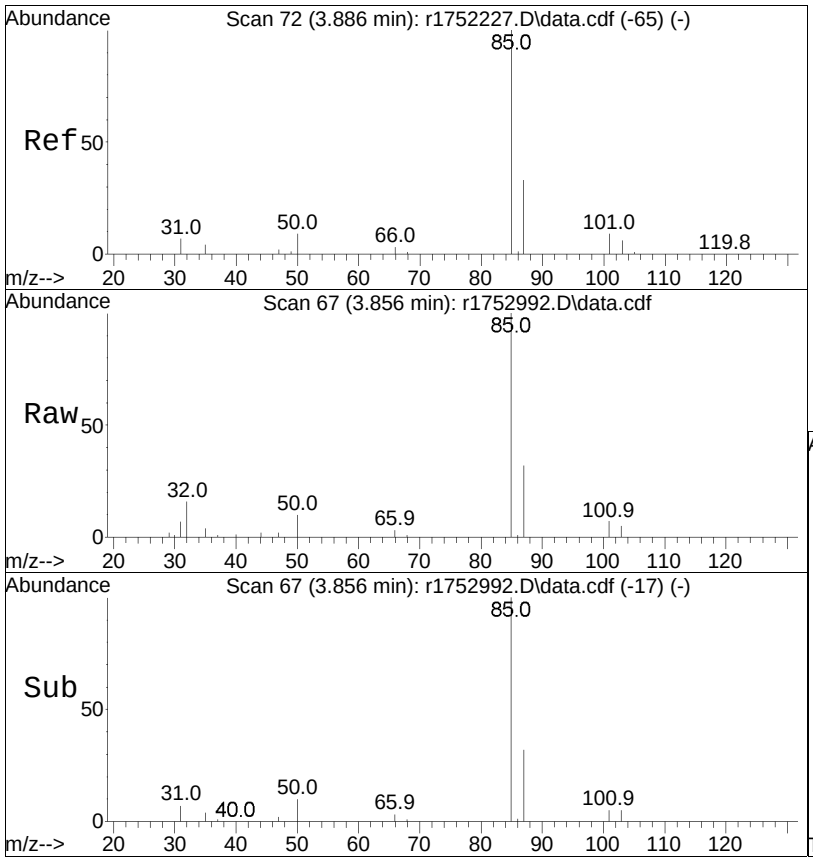
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752992.D
Acq On : 18 Dec 2025 9:26 PM
Operator : AIRLAB17:TPH
Sample : L2577500-07,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

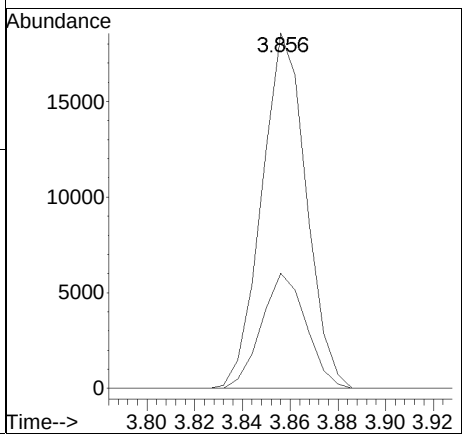


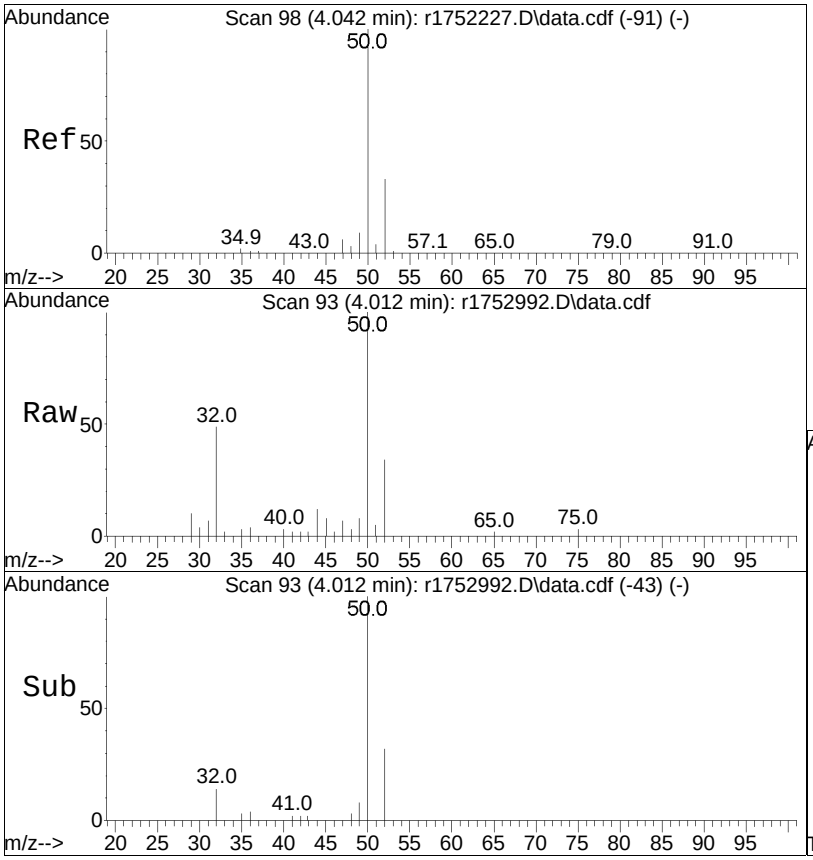


#5
dichlorodifluoromethane
Concen: 0.55 ppbV
RT: 3.856 min Scan# 67
Delta R.T. -0.030 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 85 Resp: 24039

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.7	40.1

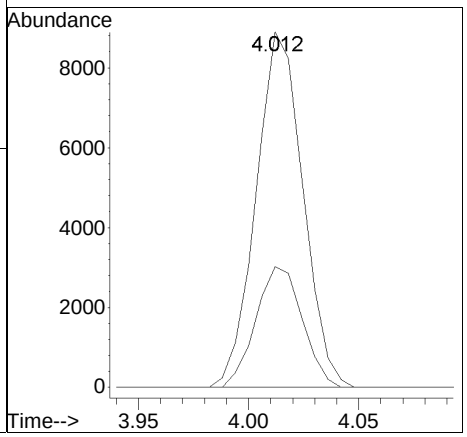


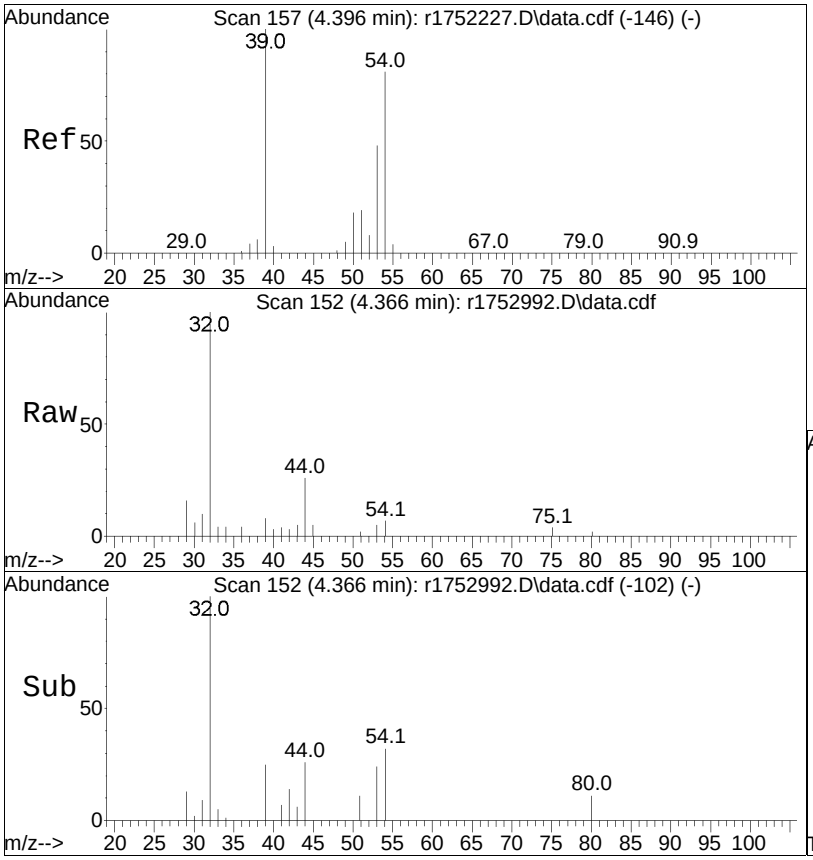


#6
chloromethane
Concen: 0.67 ppbV
RT: 4.012 min Scan# 93
Delta R.T. -0.030 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 50 Resp: 13150

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.1	39.1

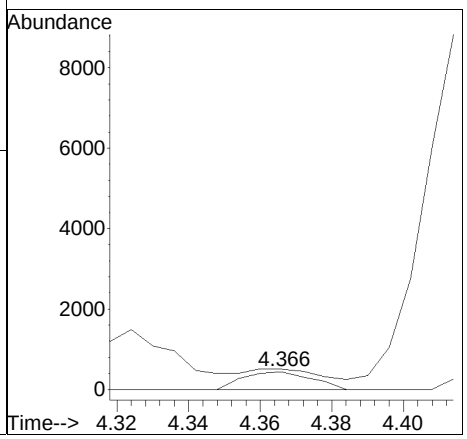


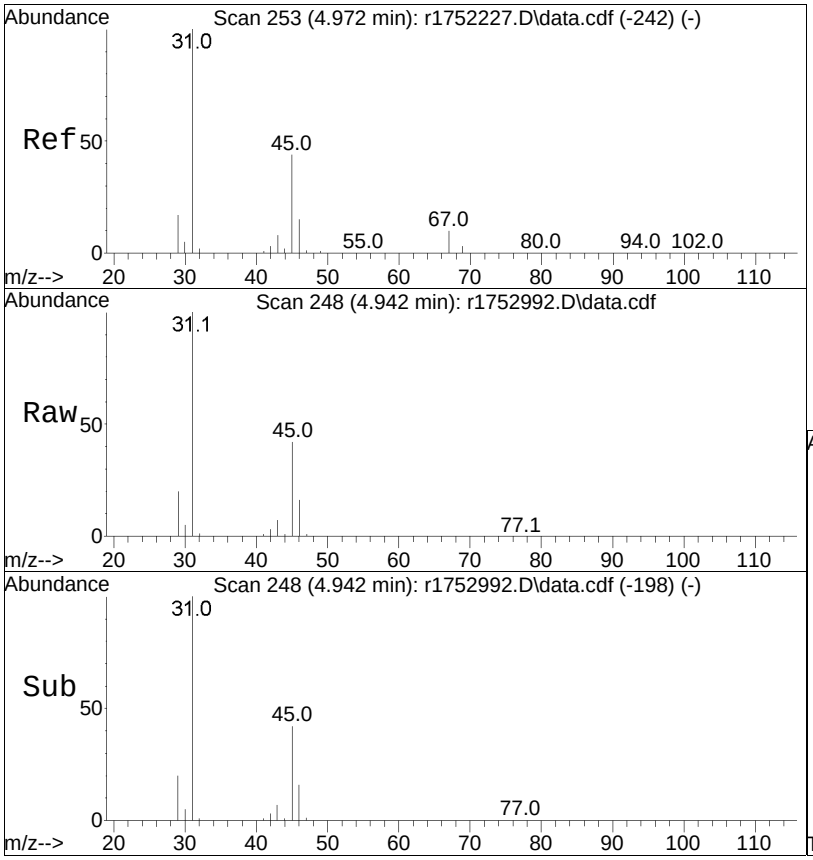


#10
1,3-butadiene
Concen: 0.03 ppbV
RT: 4.366 min Scan# 152
Delta R.T. -0.030 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 54 Resp: 584

Ion	Ratio	Lower	Upper
54	100		
39	114.8	99.8	149.8

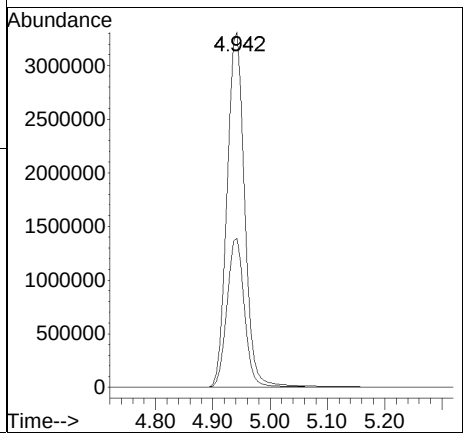


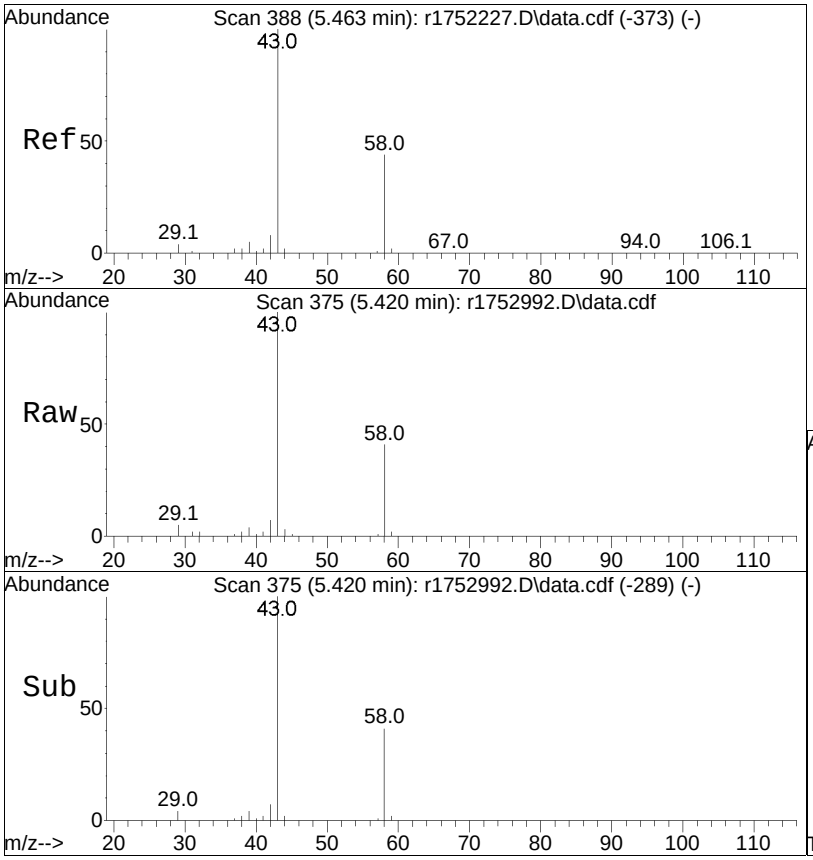


#15
ethanol
Concen: 314.55 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 31 Resp: 5583883

Ion	Ratio	Lower	Upper
31	100		
45	41.9	35.3	52.9

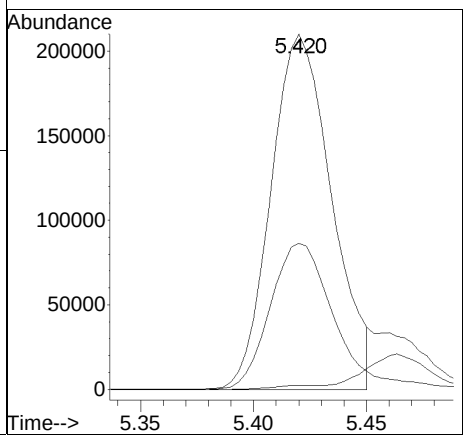


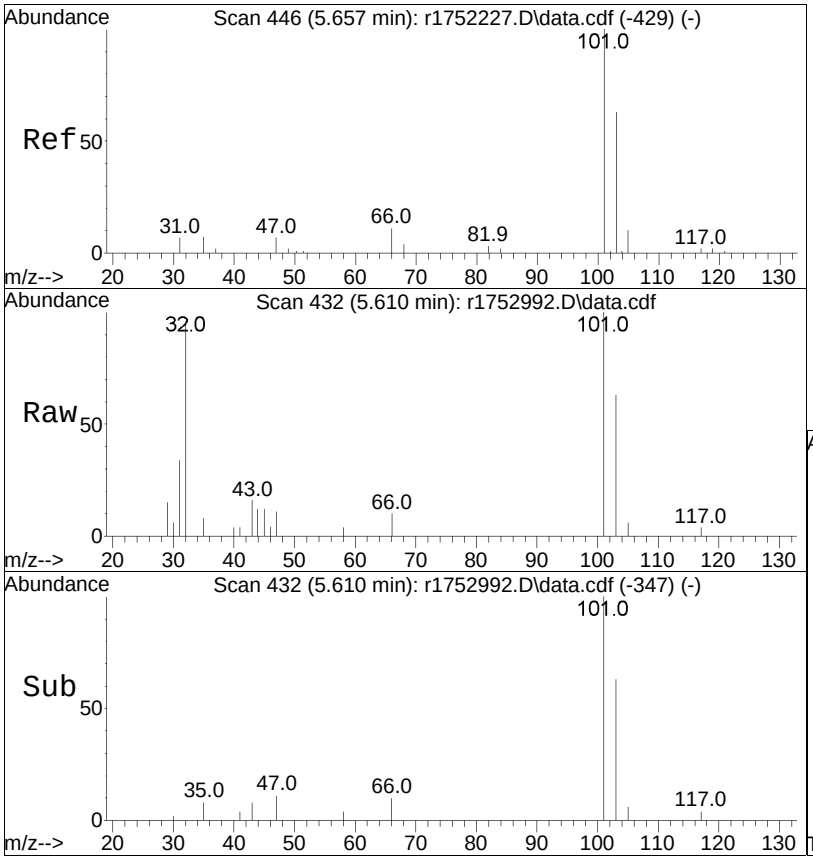


#19
acetone
Concen: 13.13 ppbV m
RT: 5.420 min Scan# 375
Delta R.T. -0.043 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 43 Resp: 393481

Ion	Ratio	Lower	Upper
43	100		
58	41.1	35.1	52.7
57	1.1	0.9	1.3

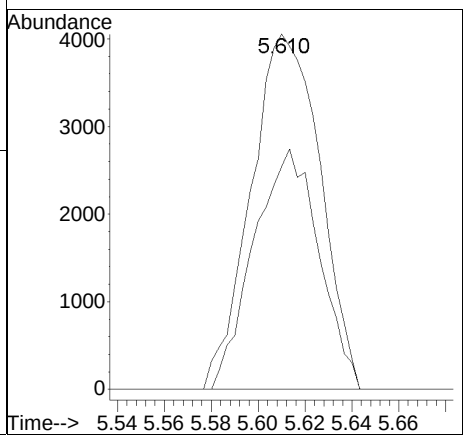


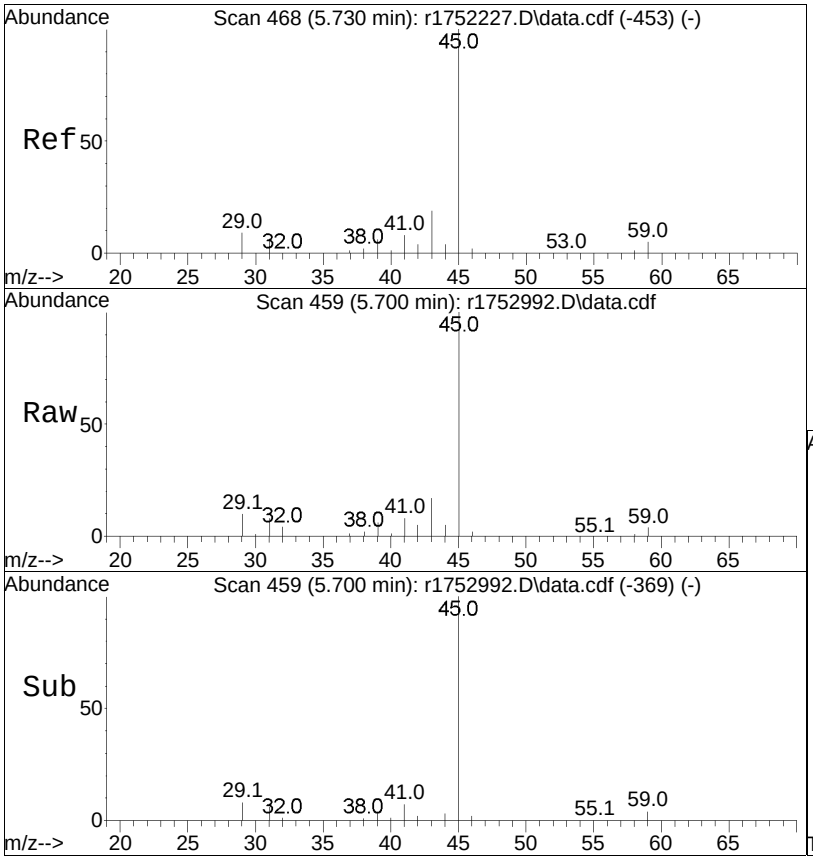


#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.610 min Scan# 432
Delta R.T. -0.047 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:101 Resp: 8331

Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.2

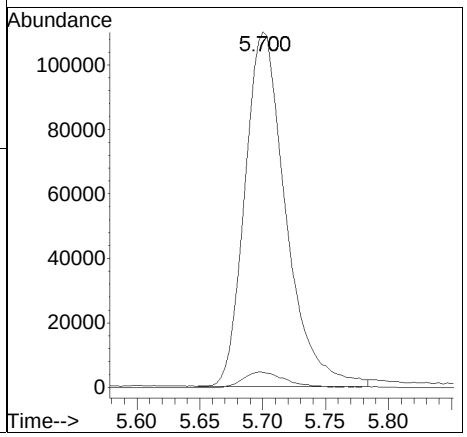


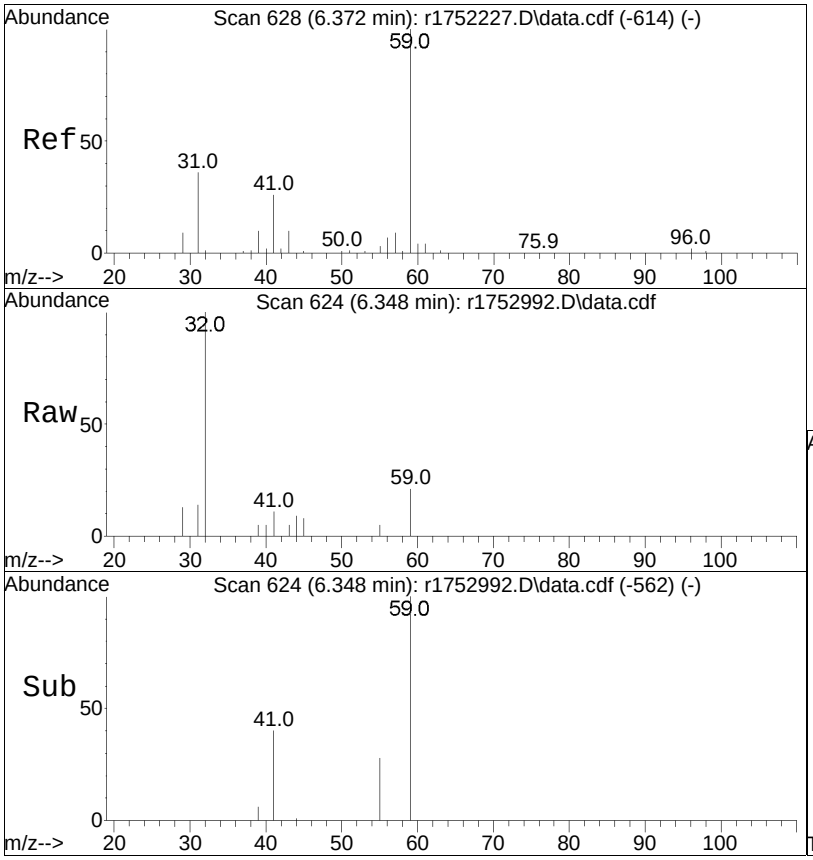


#22
isopropyl alcohol
Concen: 7.32 ppbV
RT: 5.700 min Scan# 459
Delta R.T. -0.030 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 45 Resp: 249159

Ion	Ratio	Lower	Upper
45	100		
59	4.3	4.2	6.2

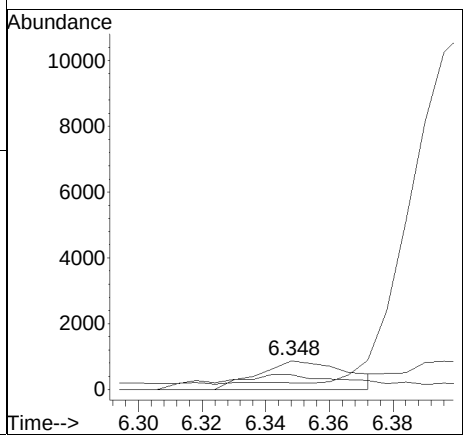


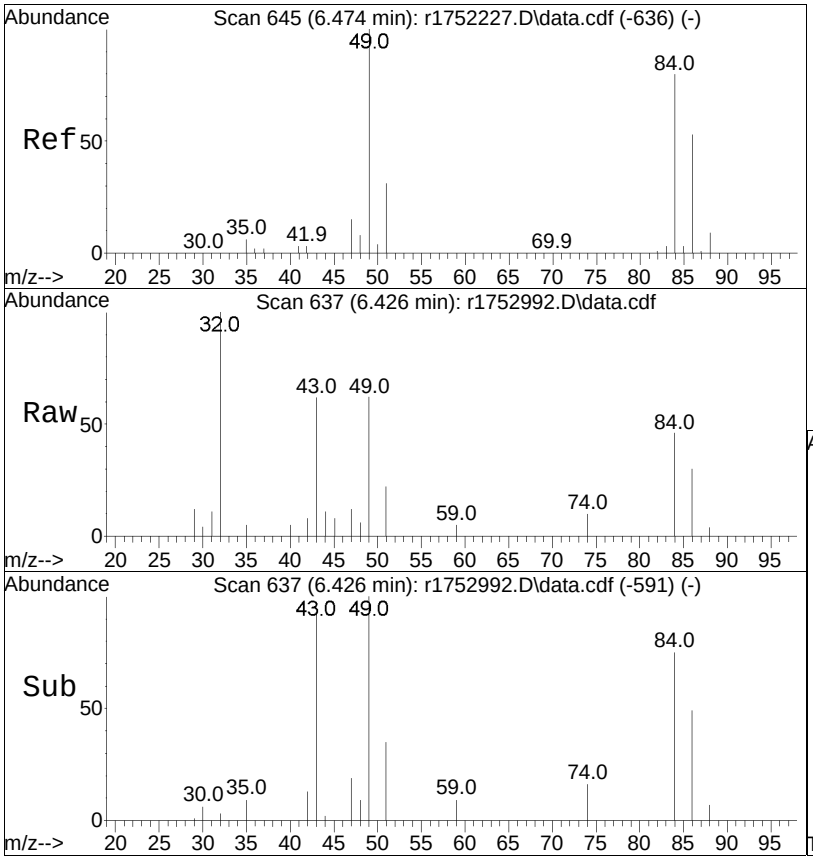


#27
tertiary butyl alcohol
Concen: 0.03 ppbV
RT: 6.348 min Scan# 624
Delta R.T. -0.024 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 59 Resp: 1679

Ion	Ratio	Lower	Upper
59	100		
41	51.5	20.9	31.3#
43	23.3	7.9	11.9#

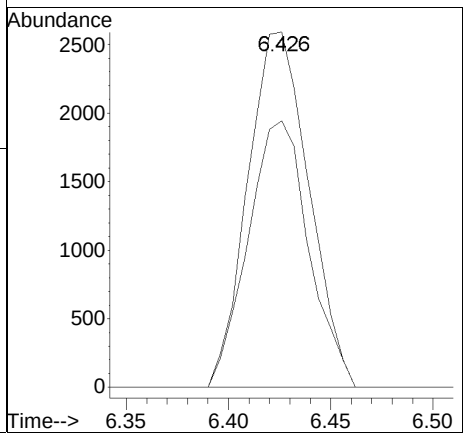


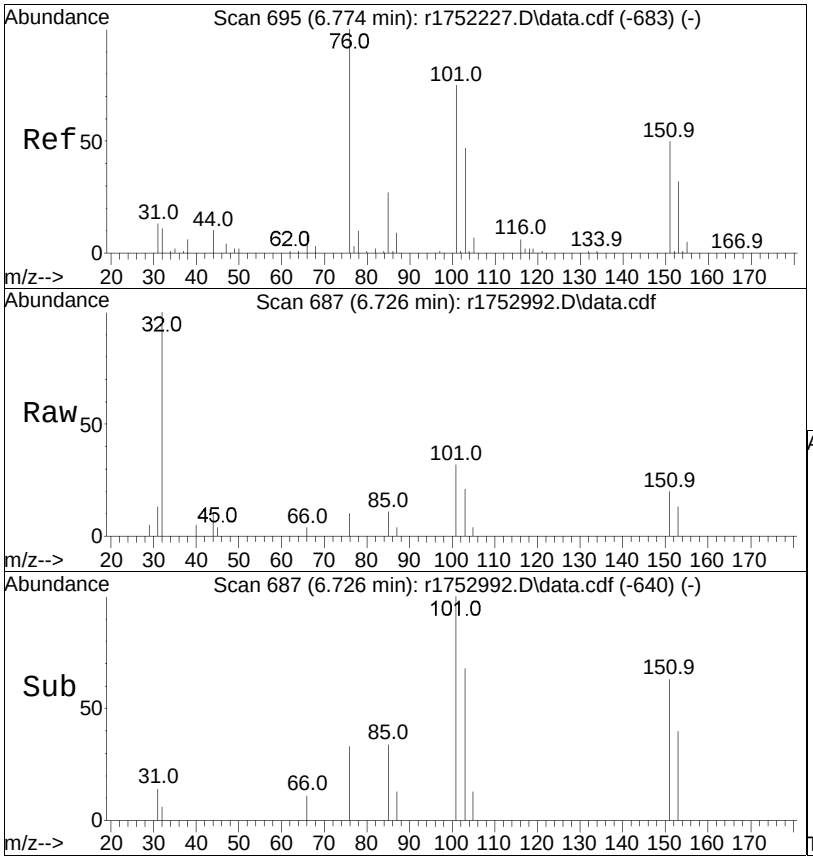


#28
methylene chloride
Concen: 0.21 ppbV
RT: 6.426 min Scan# 637
Delta R.T. -0.048 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 49 Resp: 5382

Ion	Ratio	Lower	Upper
49	100		
84	75.0	64.2	96.2

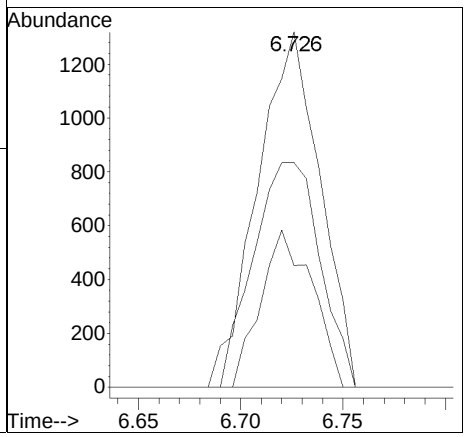


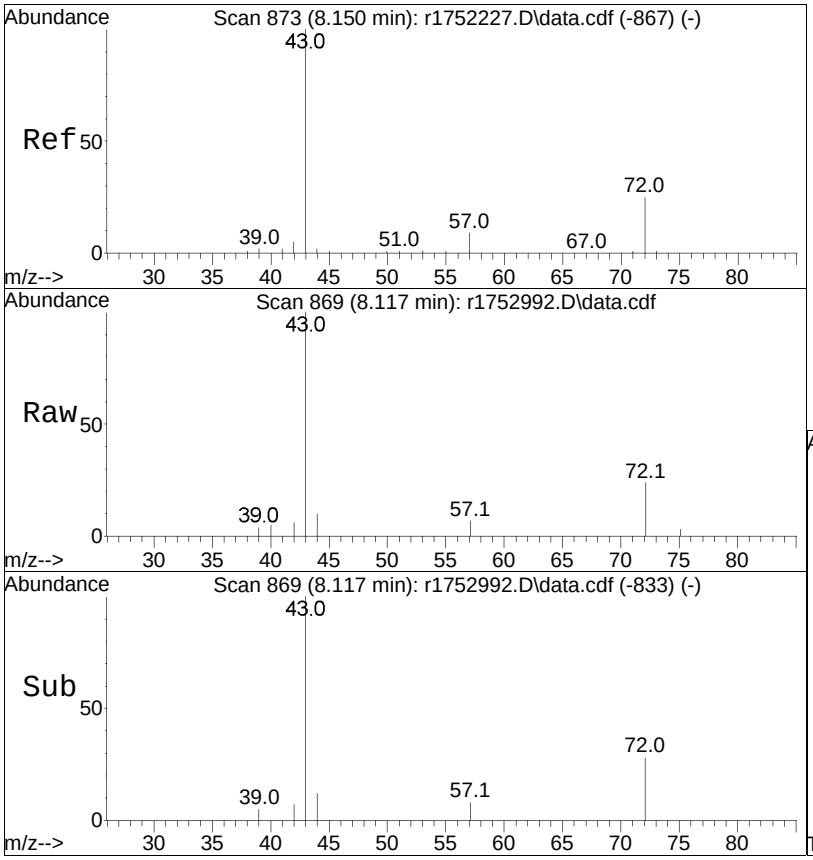


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.726 min Scan# 687
Delta R.T. -0.048 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:101 Resp: 2814

Ion	Ratio	Lower	Upper
101	100		
85	34.3	28.9	43.3
151	63.2	53.3	79.9

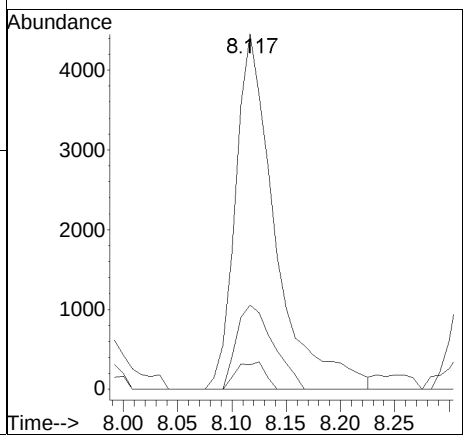


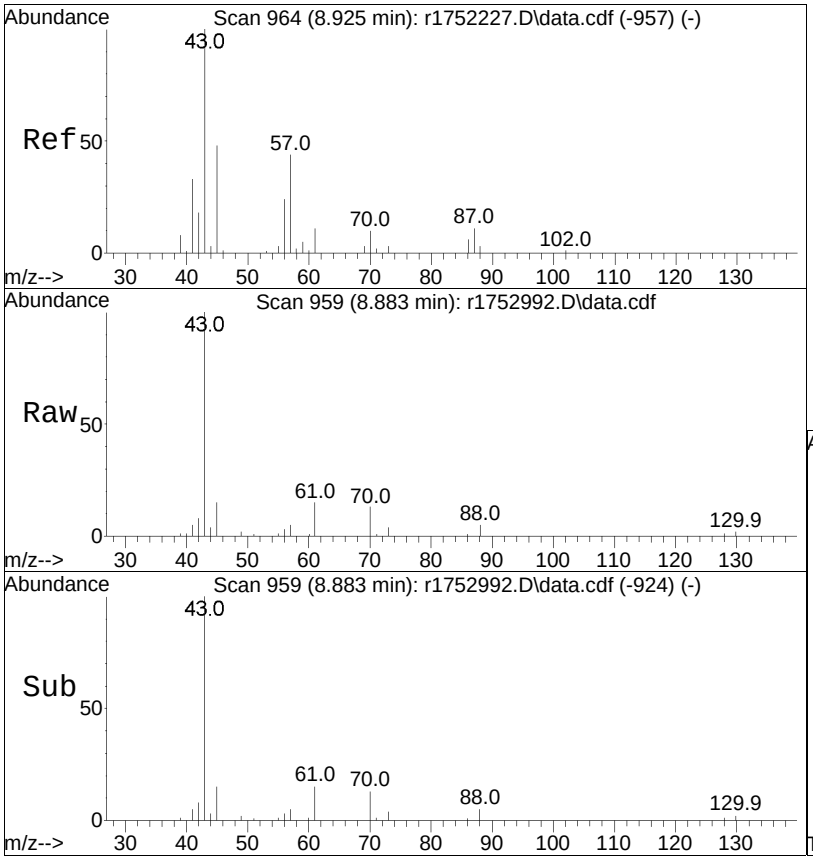


#36
2-butanone
Concen: 0.24 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 43 Resp: 11427

Ion	Ratio	Lower	Upper
43	100		
72	23.7	19.9	29.9
57	6.9	7.2	10.8#

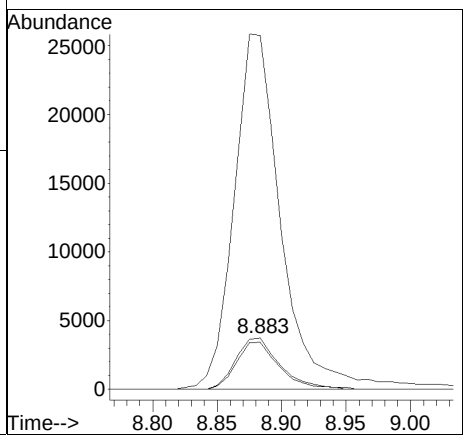


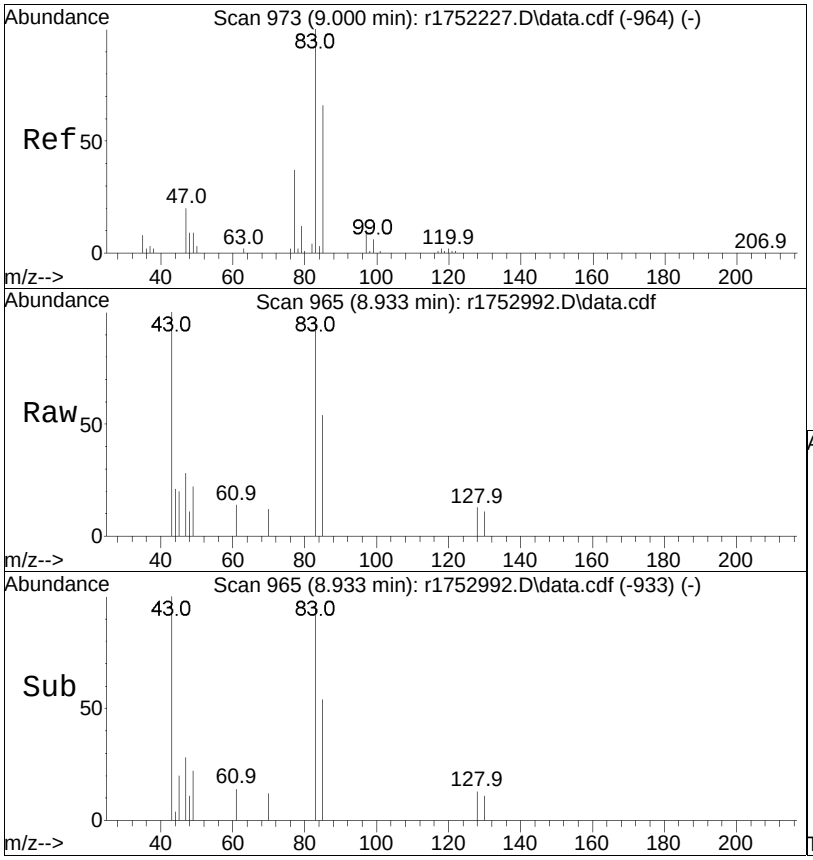


#38
Ethyl Acetate
Concen: 1.04 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.042 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 61 Resp: 9016

Ion	Ratio	Lower	Upper
61	100		
70	91.7	68.4	102.6
43	689.3	727.4	1091.2#

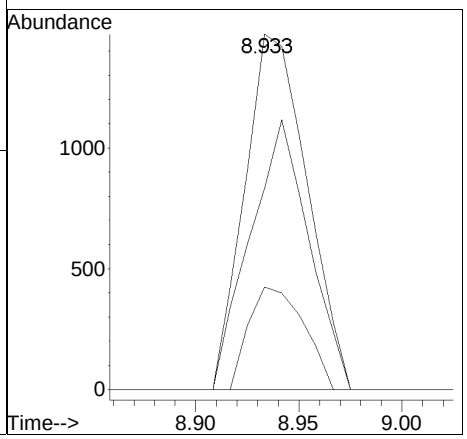


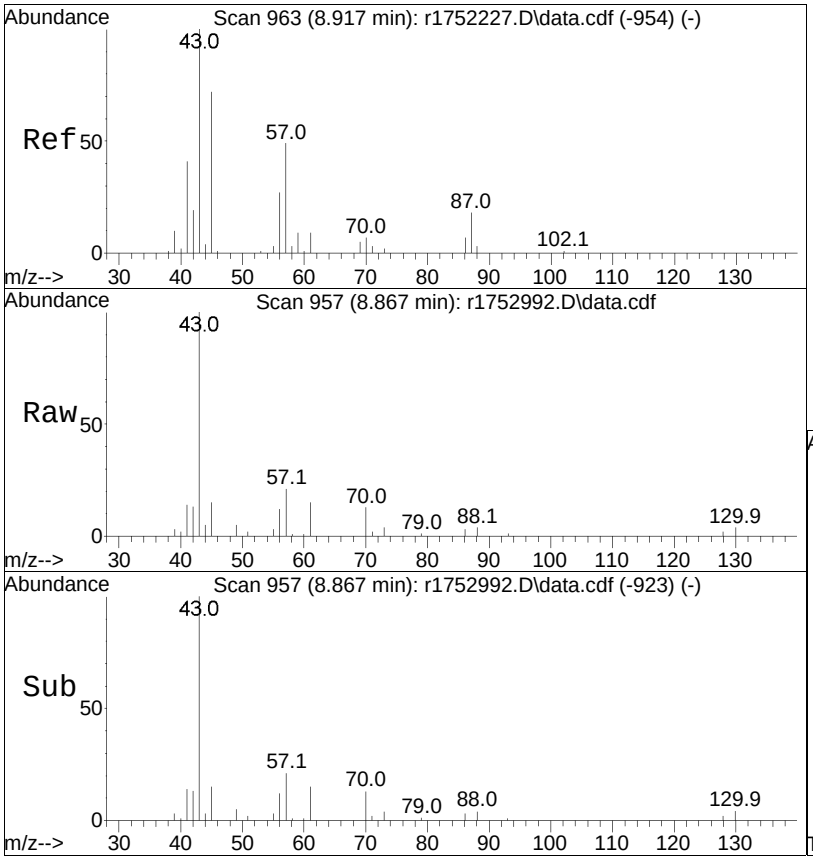


#39
chloroform
Concen: 0.08 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 83 Resp: 3098

Ion	Ratio	Lower	Upper
83	100		
85	56.6	53.1	79.7
47	28.8	16.3	24.5#

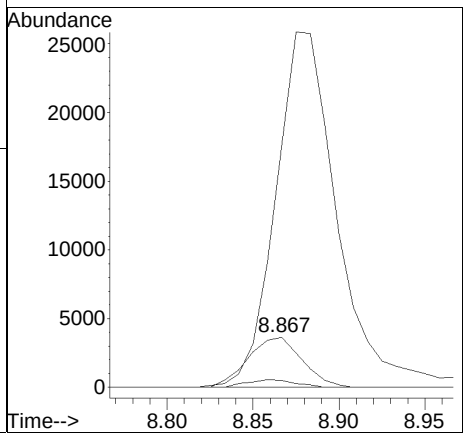


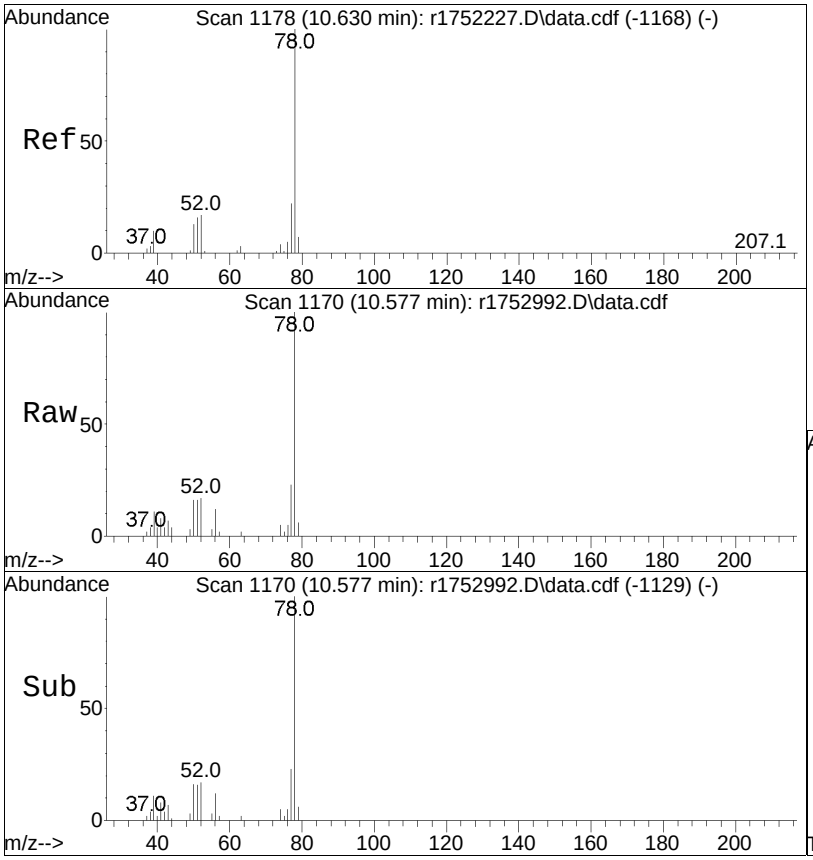


#44
hexane
Concen: 0.21 ppbV
RT: 8.867 min Scan# 957
Delta R.T. -0.050 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 57 Resp: 8015

Ion	Ratio	Lower	Upper
57	100		
43	483.7	163.5	245.3#
86	13.9	11.7	17.5

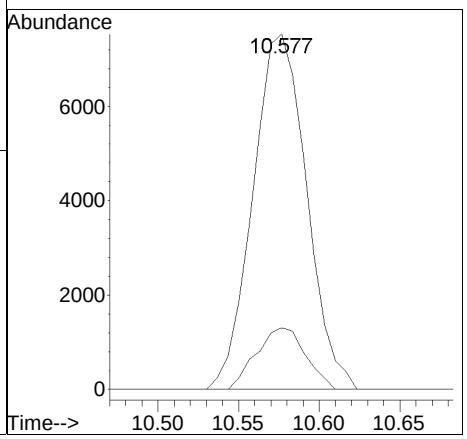


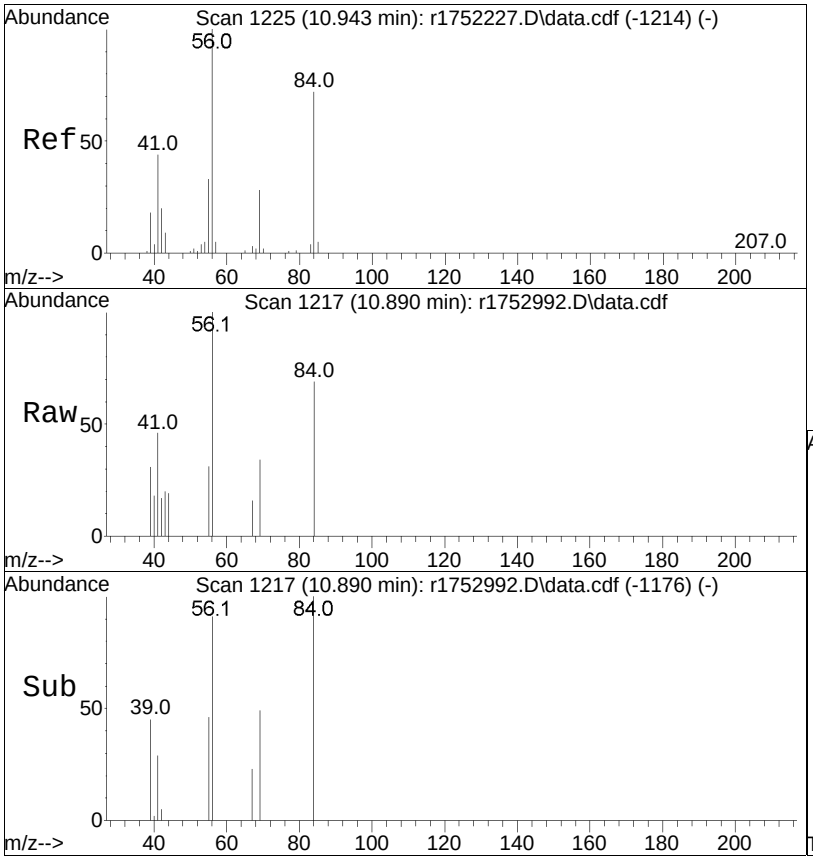


#50
benzene
Concen: 0.26 ppbV
RT: 10.577 min Scan# 1170
Delta R.T. -0.053 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 78 Resp: 17451

Ion	Ratio	Lower	Upper
78	100		
52	17.4	13.8	20.8

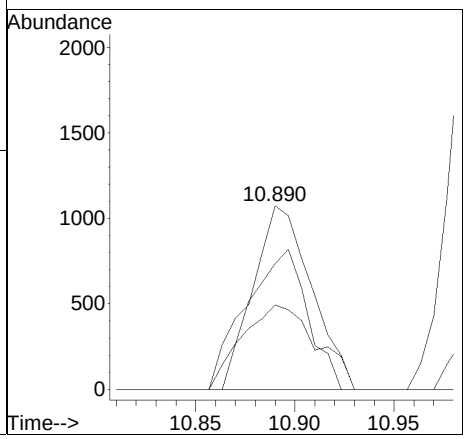


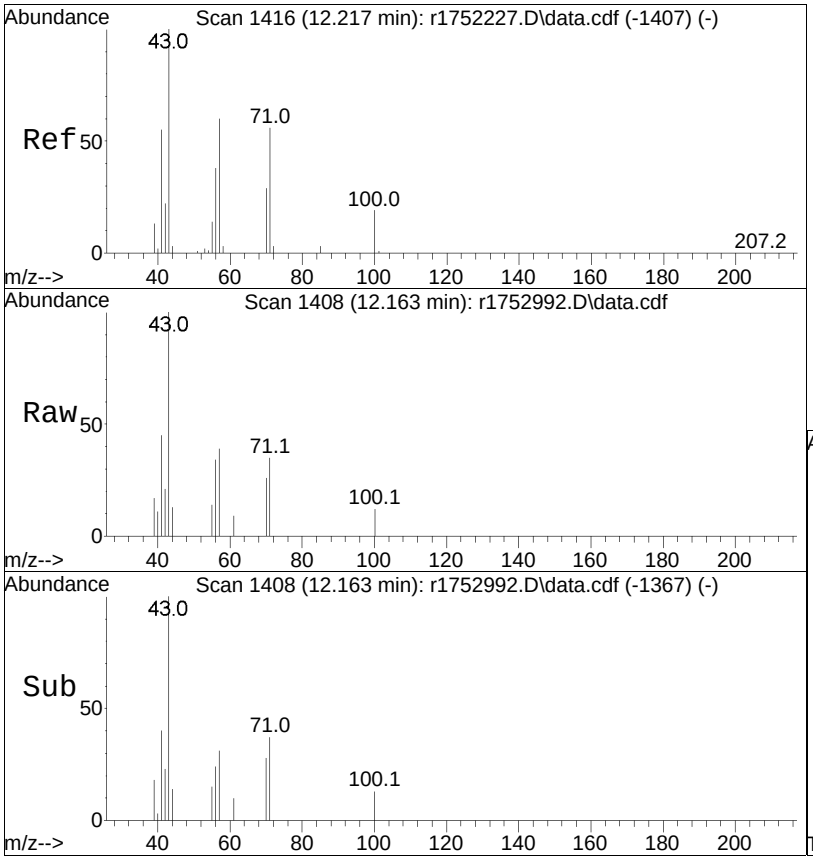


#53
cyclohexane
Concen: 0.06 ppbV
RT: 10.890 min Scan# 1217
Delta R.T. -0.053 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 56 Resp: 2357

Ion	Ratio	Lower	Upper
56	100		
84	68.5	57.8	86.8
41	46.0	35.5	53.3

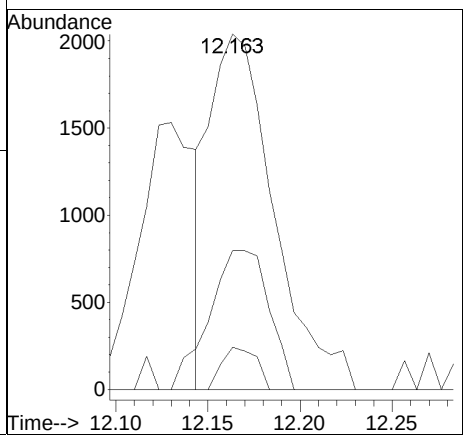


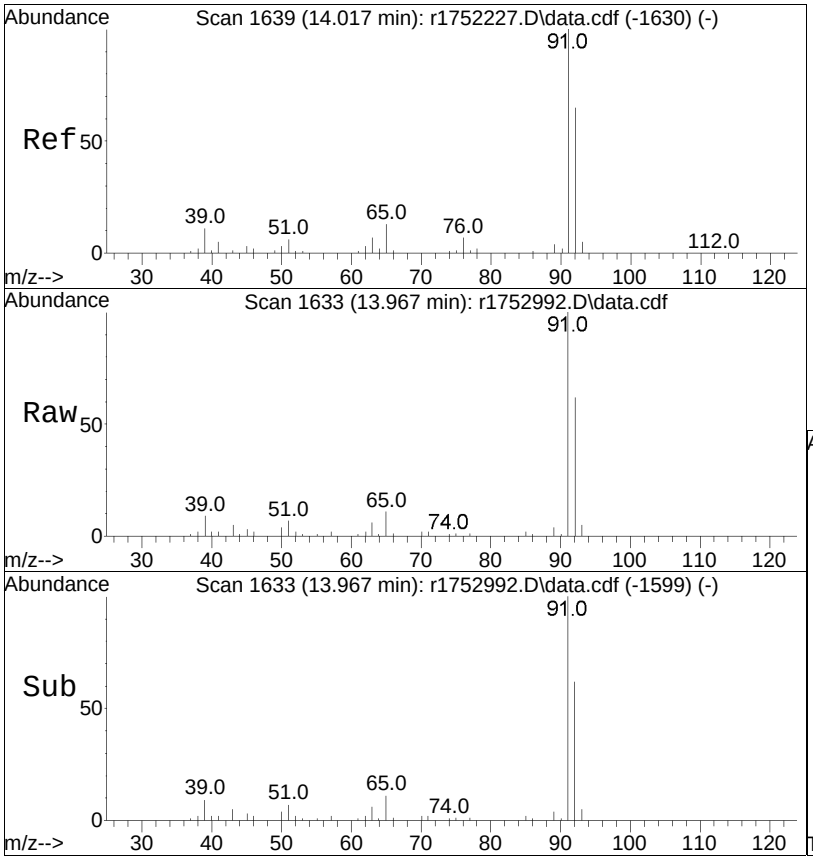


#62
heptane
Concen: 0.12 ppbV
RT: 12.163 min Scan# 1408
Delta R.T. -0.053 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 43 Resp: 4966

Ion	Ratio	Lower	Upper
43	100		
57	39.1	48.3	72.5#
100	11.9	15.4	23.0#

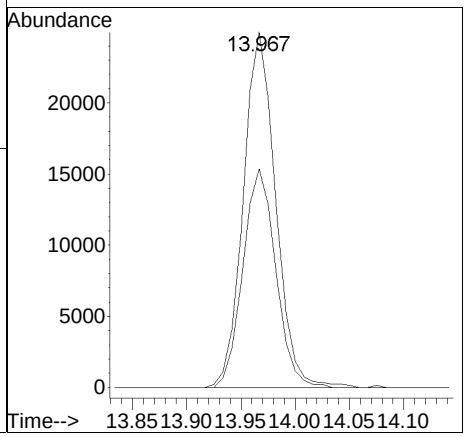


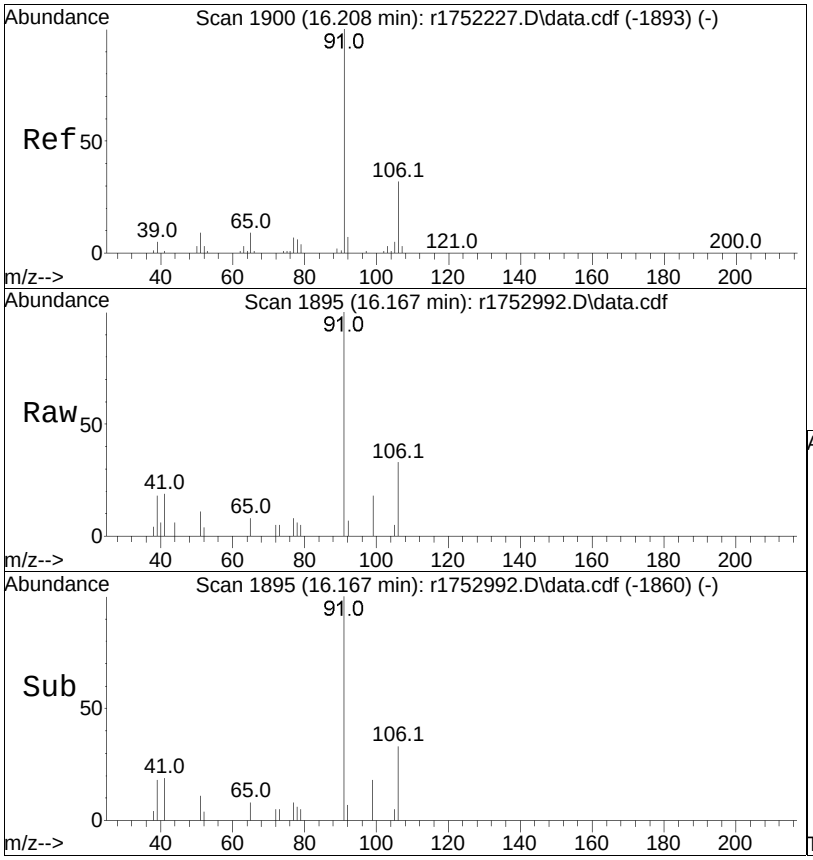


#68
toluene
Concen: 0.54 ppbV
RT: 13.967 min Scan# 1633
Delta R.T. -0.050 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 91 Resp: 51647

Ion	Ratio	Lower	Upper
91	100		
92	61.5	51.9	77.9

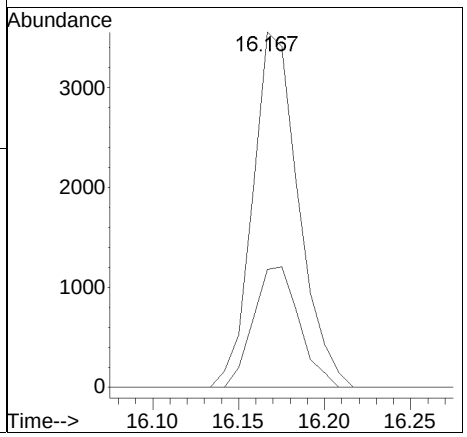


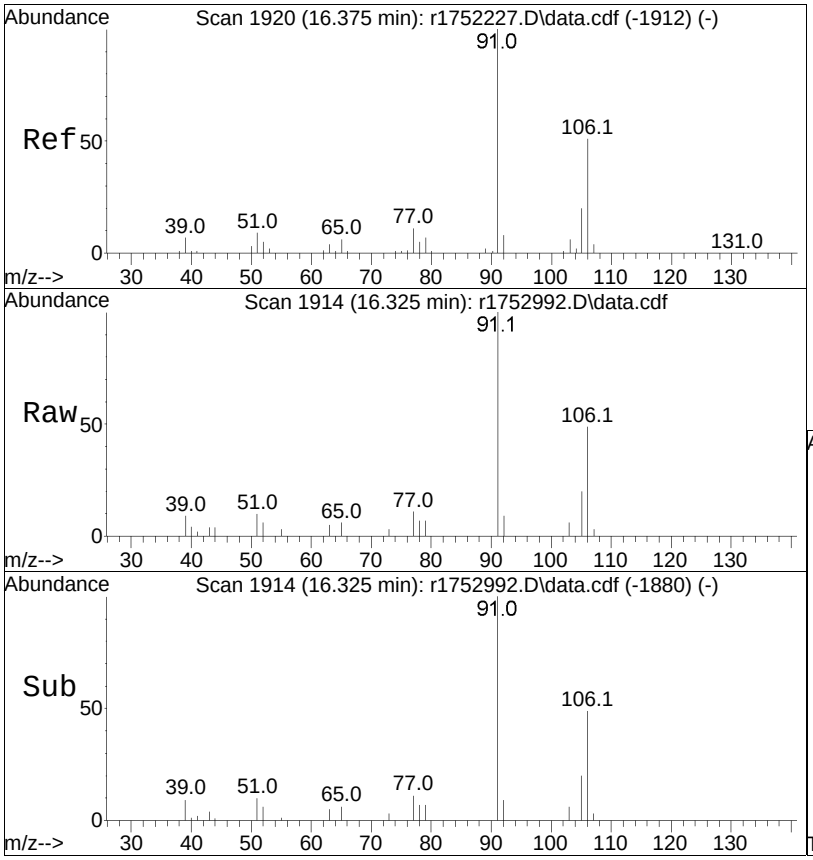


#81
ethylbenzene
Concen: 0.05 ppbV
RT: 16.167 min Scan# 1895
Delta R.T. -0.042 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 91 Resp: 6590

Ion	Ratio	Lower	Upper
91	100		
106	33.2	25.7	38.5

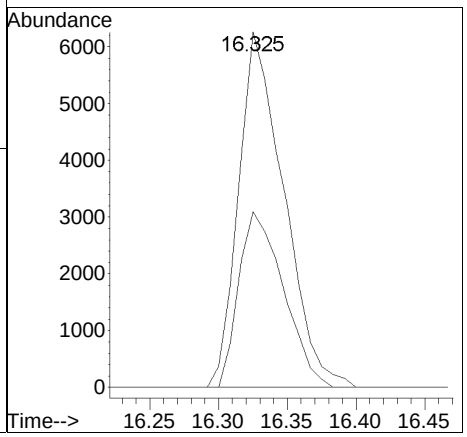


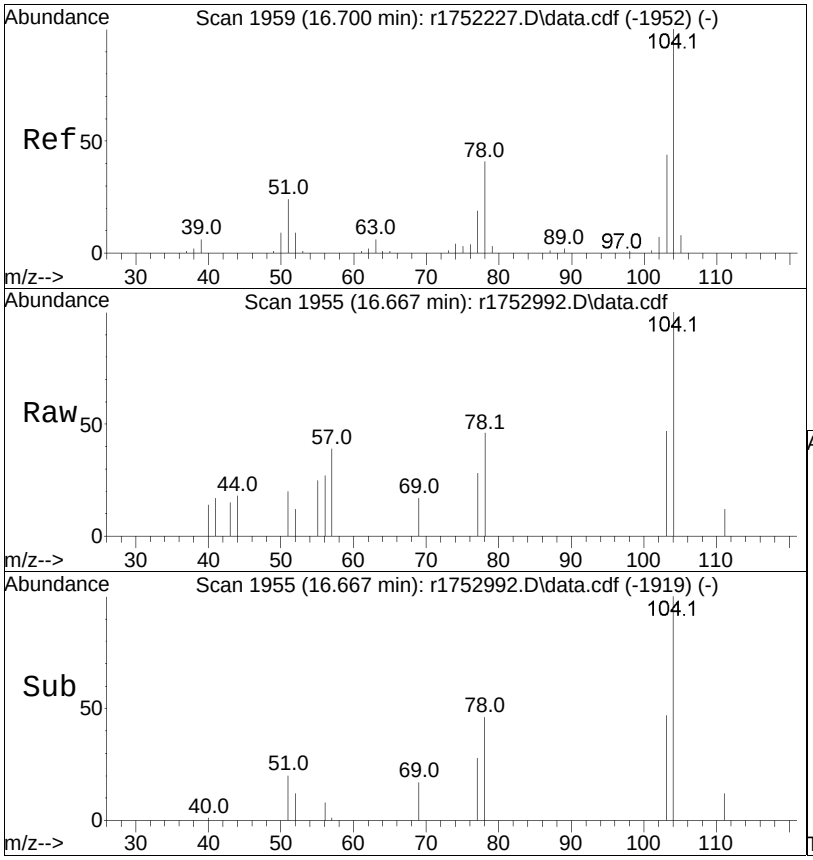


#83
m+p-xylene
Concen: 0.15 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 91 Resp: 14354

Ion	Ratio	Lower	Upper
91	100		
106	49.4	41.1	61.7

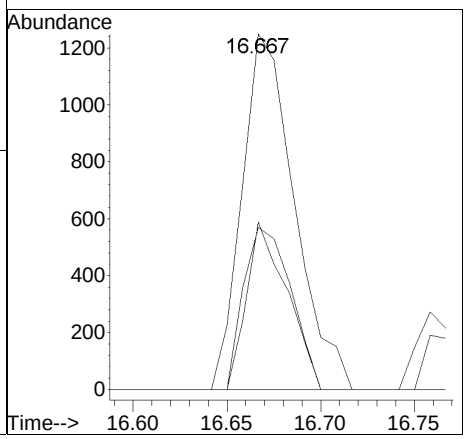


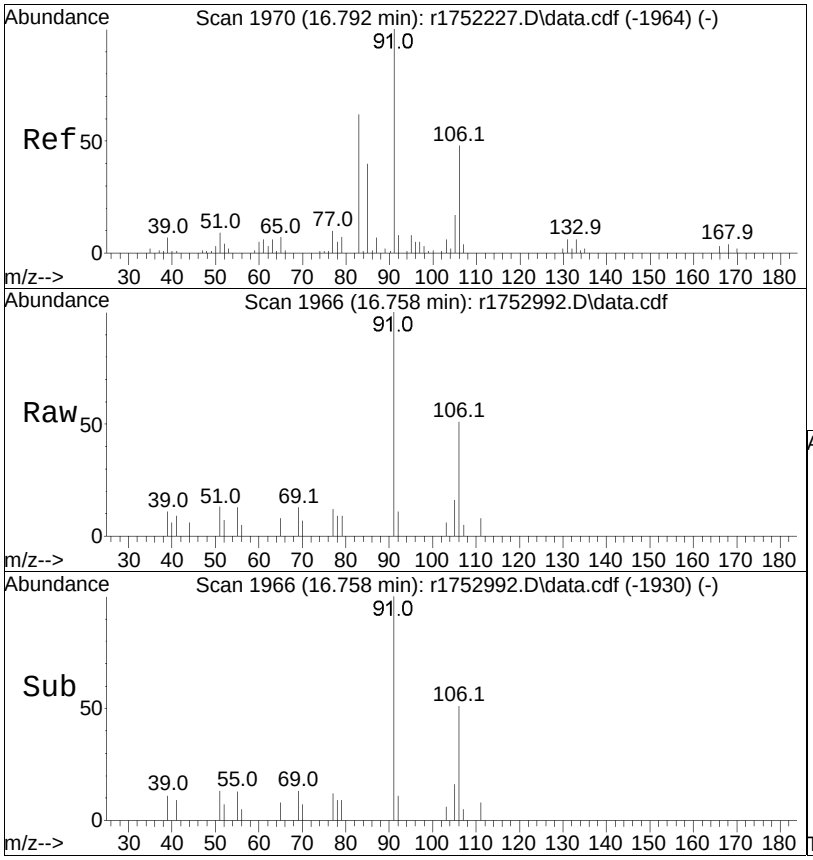


#85
styrene
Concen: 0.03 ppbV
RT: 16.667 min Scan# 1955
Delta R.T. -0.033 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:104 Resp: 2438

Ion	Ratio	Lower	Upper
104	100		
103	47.1	34.9	52.3
78	45.6	33.0	49.4

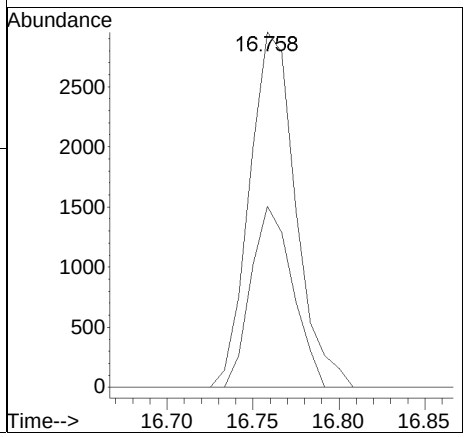


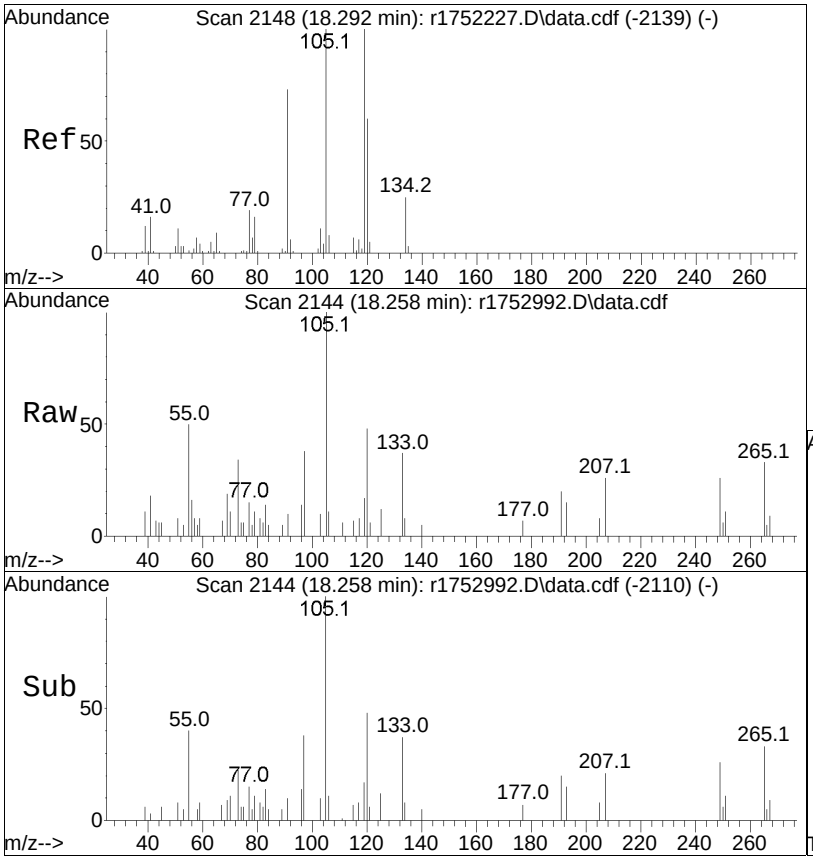


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.758 min Scan# 1966
Delta R.T. -0.033 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion: 91 Resp: 5532

Ion	Ratio	Lower	Upper
91	100		
106	51.0	38.4	57.6

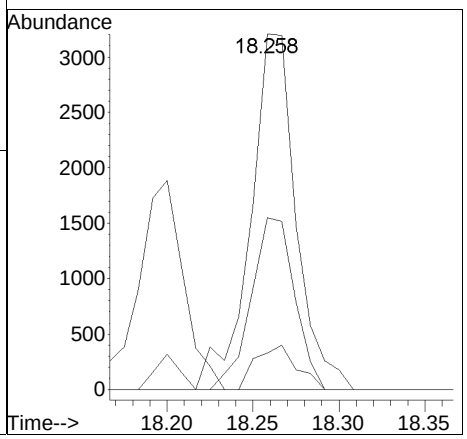




#99
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 18.258 min Scan# 2144
Delta R.T. -0.033 min
Lab File: r1752992.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:105 Resp: 5932

Ion	Ratio	Lower	Upper
105	100		
120	48.3	48.0	72.0
91	10.3	58.3	87.5#

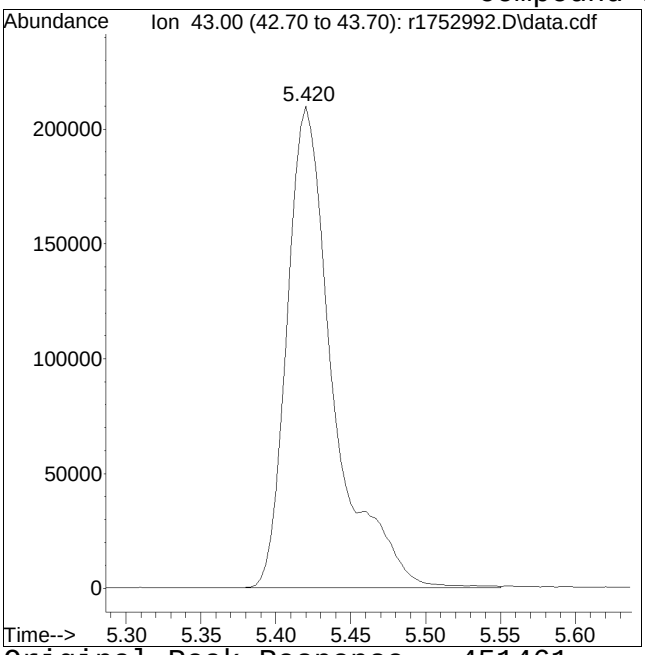


Manual Integration Report

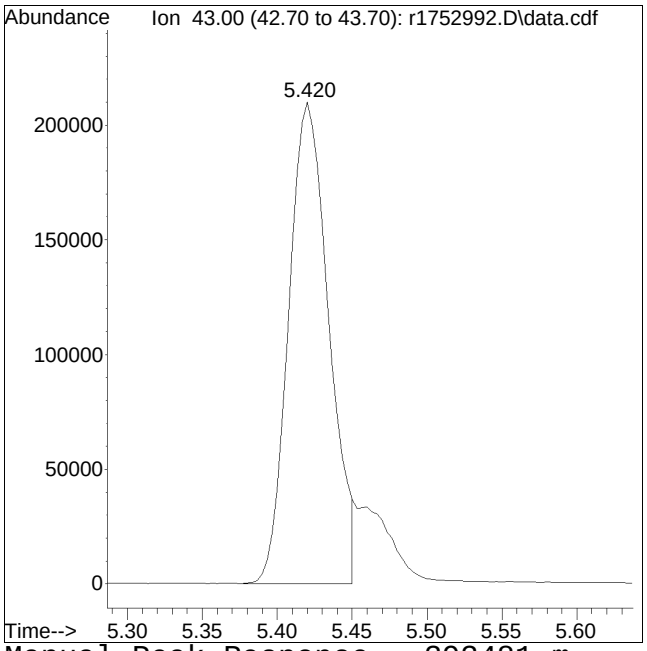
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752992.D
Date Inj'd : 12/18/2025 9:26 PM
Sample : L2577500-07,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #19: acetone



Original Peak Response = 451461



Manual Peak Response = 393481 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752993.D
Acq On : 18 Dec 2025 10:04 PM
Operator : AIRLAB17:TPH
Sample : L2577500-08,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	321507	10.000	ppbV	-0.06
Standard Area = 341577			Recovery =	94.12%		
43) 1,4-difluorobenzene	10.997	114	777077	10.000	ppbV	-0.05
Standard Area = 849055			Recovery =	91.52%		
67) chlorobenzene-D5	15.767	54	127675	10.000	ppbV	-0.04
Standard Area = 140112			Recovery =	91.12%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.850	85	24936	0.551	ppbV	97
6) chloromethane	4.012	50	12016	0.591	ppbV	99
7) Freon-114	4.108		0	N.D.		
10) 1,3-butadiene	4.354		0	N.D.		
13) bromomethane	4.630		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.930	31	5263321	284.898	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.413	43	434716m	13.937	ppbV	
21) trichlorofluoromethane	5.603	101	8716	0.196	ppbV	92
22) isopropyl alcohol	5.693	45	288786	8.157	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.420	49	5106	0.192	ppbV	96
29) 3-chloropropene	6.534		0	N.D.		
30) carbon disulfide	6.714		0	N.D.		
31) Freon 113	6.720	101	2778	0.058	ppbV	89
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	8.117	43	15927	0.323	ppbV	99
38) Ethyl Acetate	8.875	61	9393	1.042	ppbV #	42
39) chloroform	8.933	83	4565	0.108	ppbV #	94
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.758		0	N.D.		
44) hexane	8.858	57	8260	0.221	ppbV #	38
50) benzene	10.577	78	16771	0.258	ppbV	98
53) cyclohexane	10.897	56	2766	0.070	ppbV	94
56) 1,2-dichloropropane	11.517		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752993.D
Acq On : 18 Dec 2025 10:04 PM
Operator : AIRLAB17:TPH
Sample : L2577500-08,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

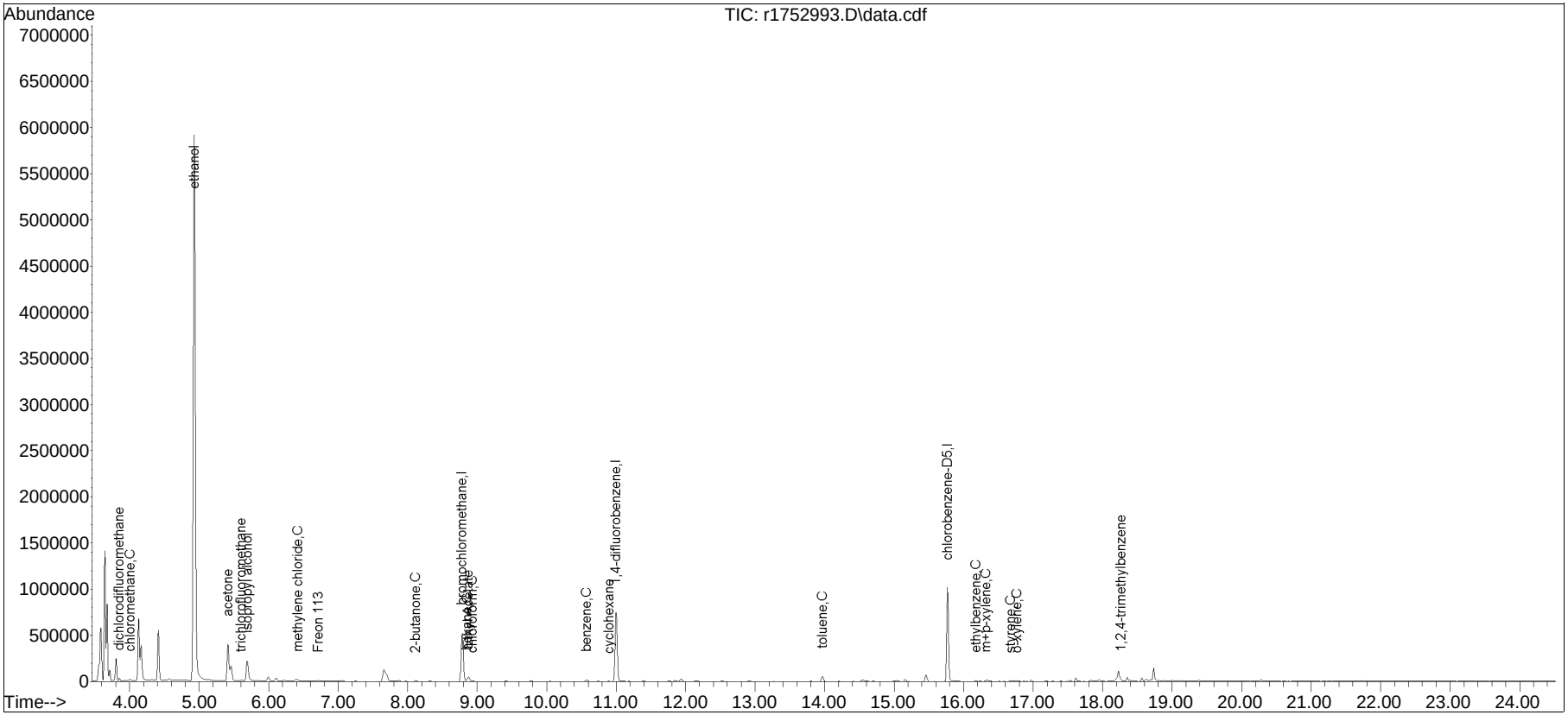
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.837		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D. d		
62) heptane	12.270		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.967	91	47771	0.543	ppbV	100
72) 2-hexanone	14.342		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.833		0	N.D.		
81) ethylbenzene	16.175	91	6768	0.061	ppbV	100
83) m+p-xylene	16.325	91	13515	0.153	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.675	104	3517	0.053	ppbV	92
86) 1,1,2,2-tetrachloroethane	16.808		0	N.D.		
87) o-xylene	16.767	91	5593	0.063	ppbV	96
96) 4-ethyl toluene	17.917		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267	105	5680	0.061	ppbV #	54
101) Benzyl Chloride	18.450		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

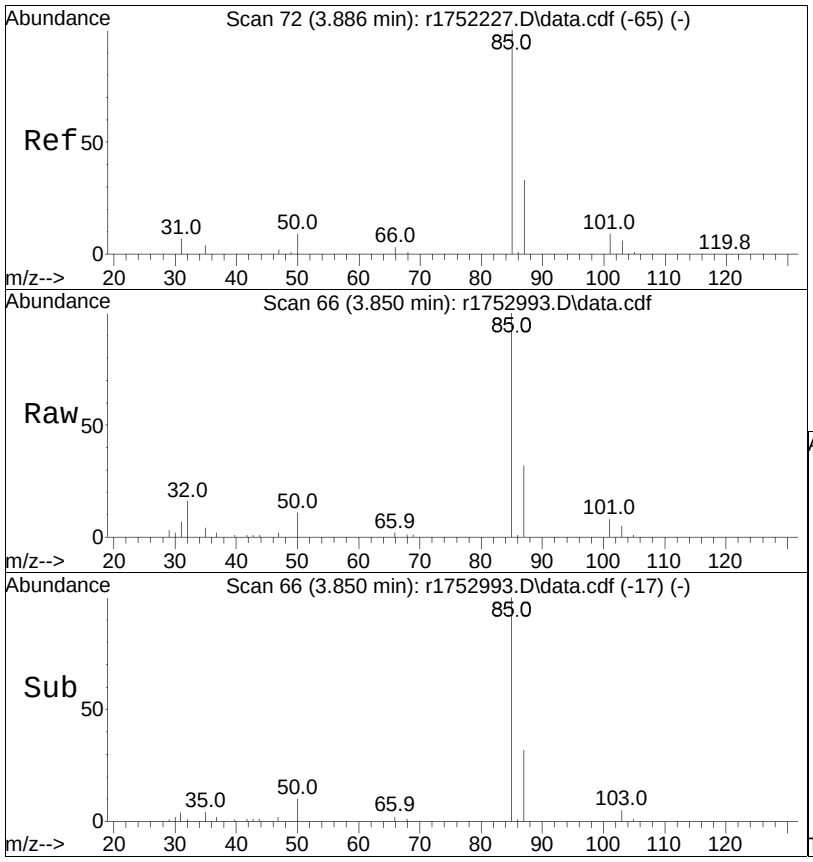
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752993.D
Acq On : 18 Dec 2025 10:04 PM
Operator : AIRLAB17:TPH
Sample : L2577500-08,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:19:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

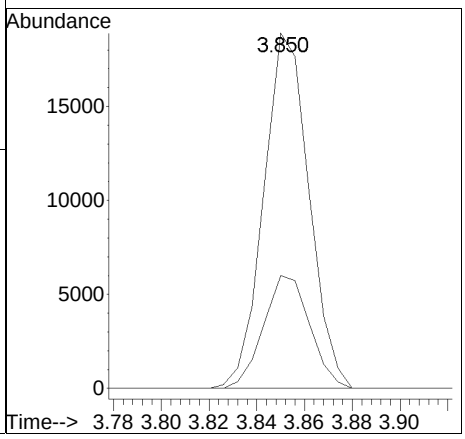


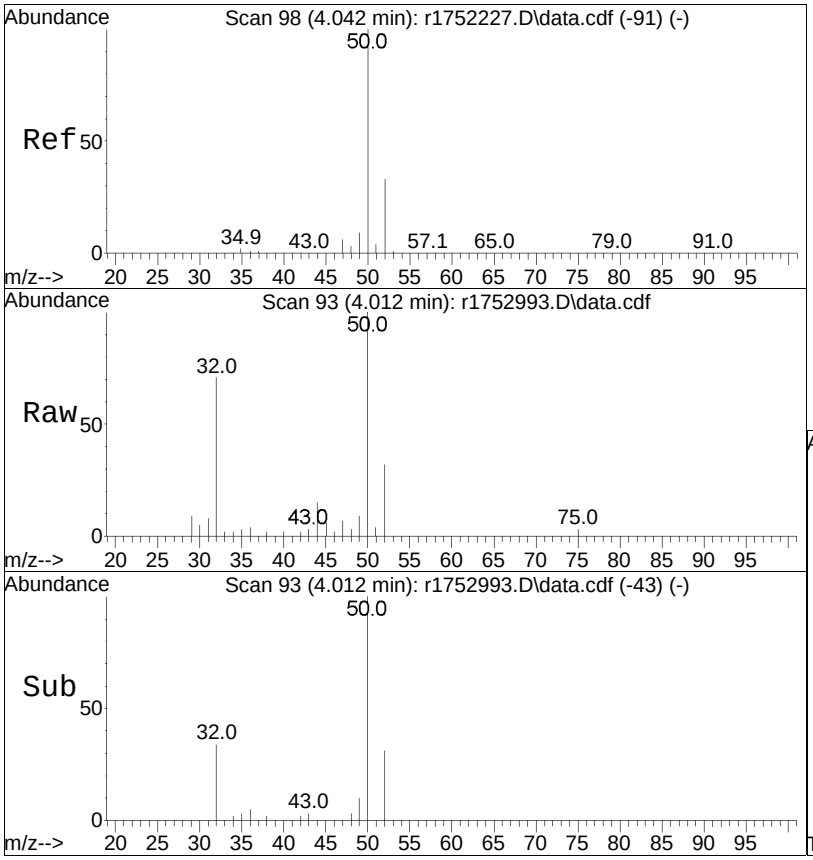


#5
dichlorodifluoromethane
Concen: 0.55 ppbV
RT: 3.850 min Scan# 66
Delta R.T. -0.036 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 85 Resp: 24936

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.7	40.1

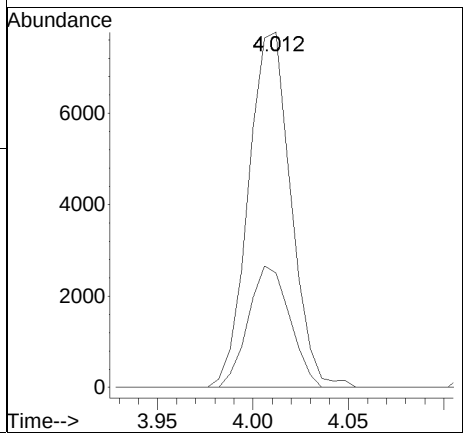


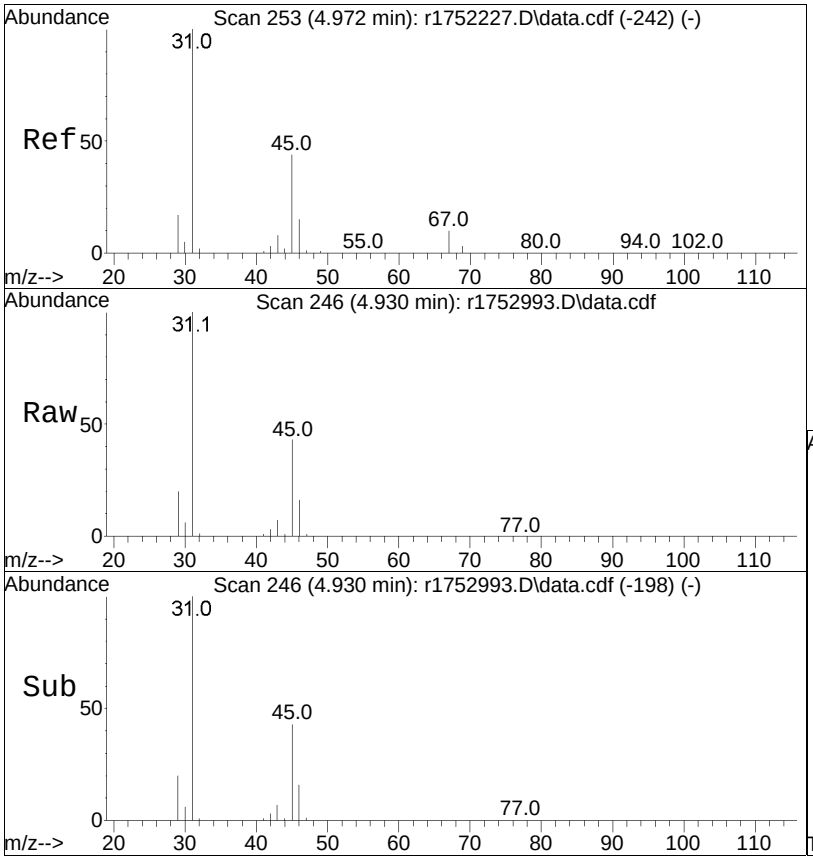


#6
chloromethane
Concen: 0.59 ppbV
RT: 4.012 min Scan# 93
Delta R.T. -0.030 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 50 Resp: 12016

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

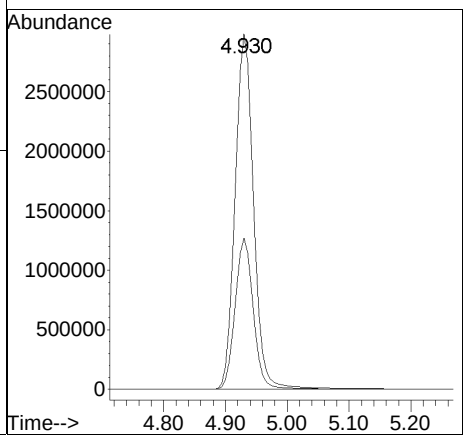


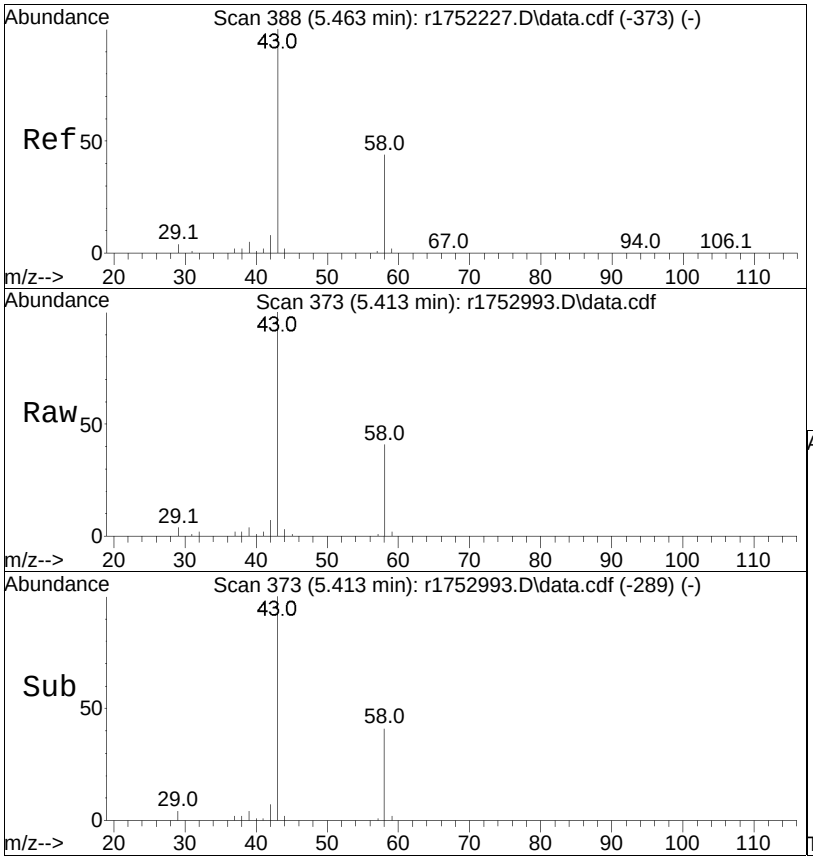


#15
ethanol
Concen: 284.90 ppbV
RT: 4.930 min Scan# 246
Delta R.T. -0.042 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 31 Resp: 5263321

Ion	Ratio	Lower	Upper
31	100		
45	42.7	35.3	52.9

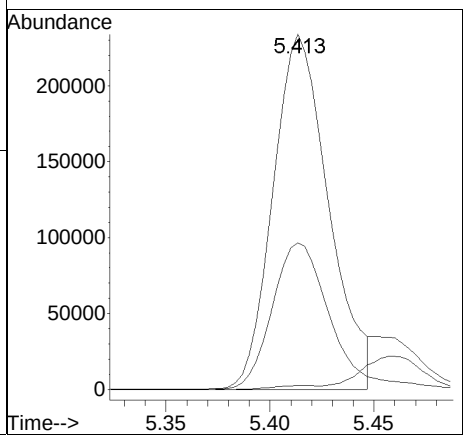


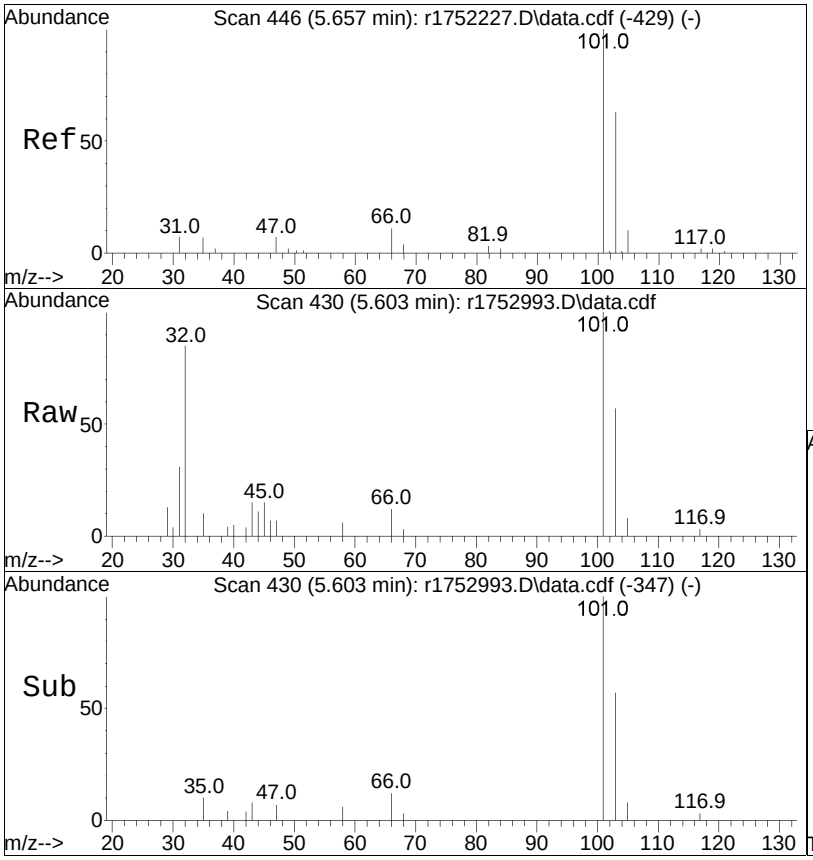


#19
acetone
Concen: 13.94 ppbV m
RT: 5.413 min Scan# 373
Delta R.T. -0.050 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 43 Resp: 434716

Ion	Ratio	Lower	Upper
43	100		
58	41.3	35.1	52.7
57	1.2	0.9	1.3

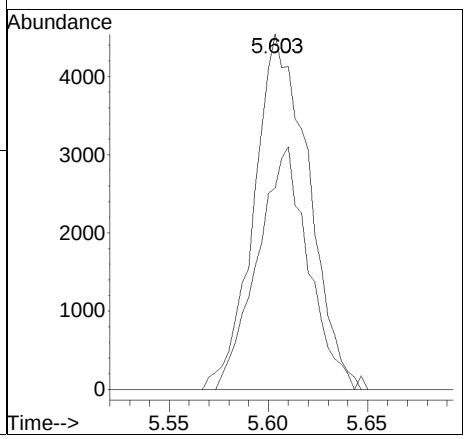


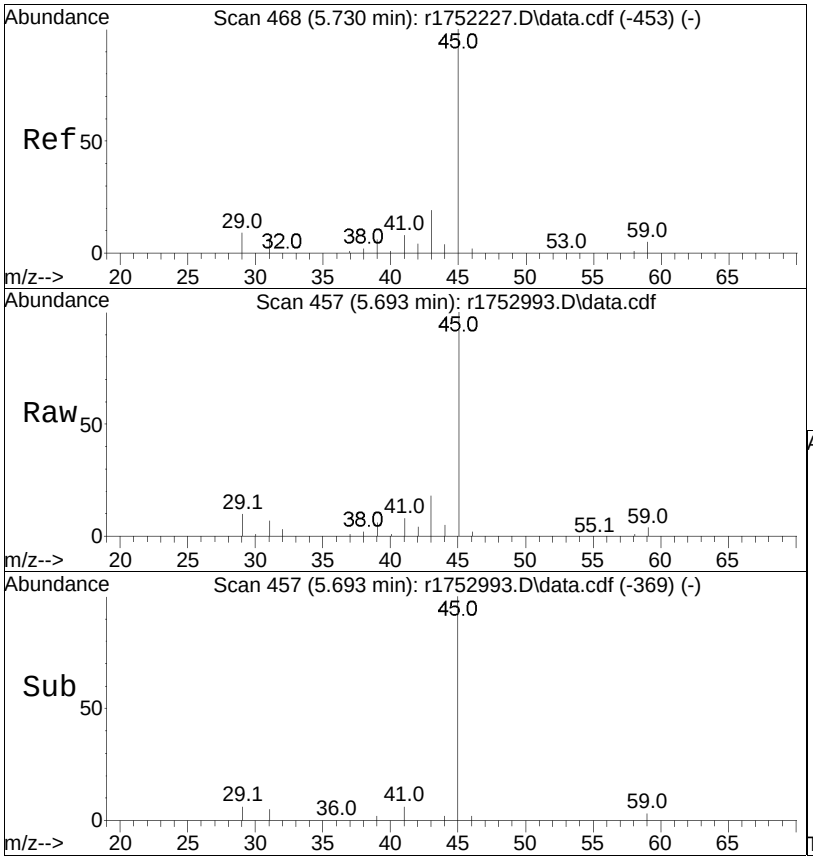


#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.603 min Scan# 430
Delta R.T. -0.053 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:101 Resp: 8716

Ion	Ratio	Lower	Upper
101	100		
103	56.7	50.2	75.2

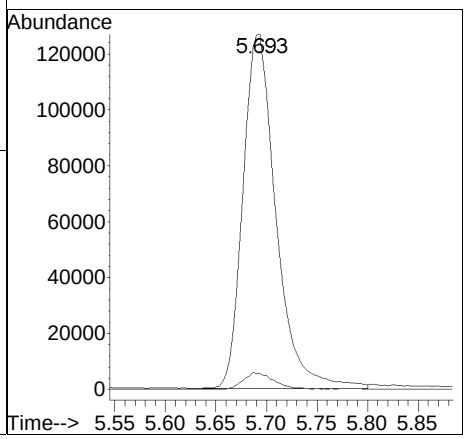


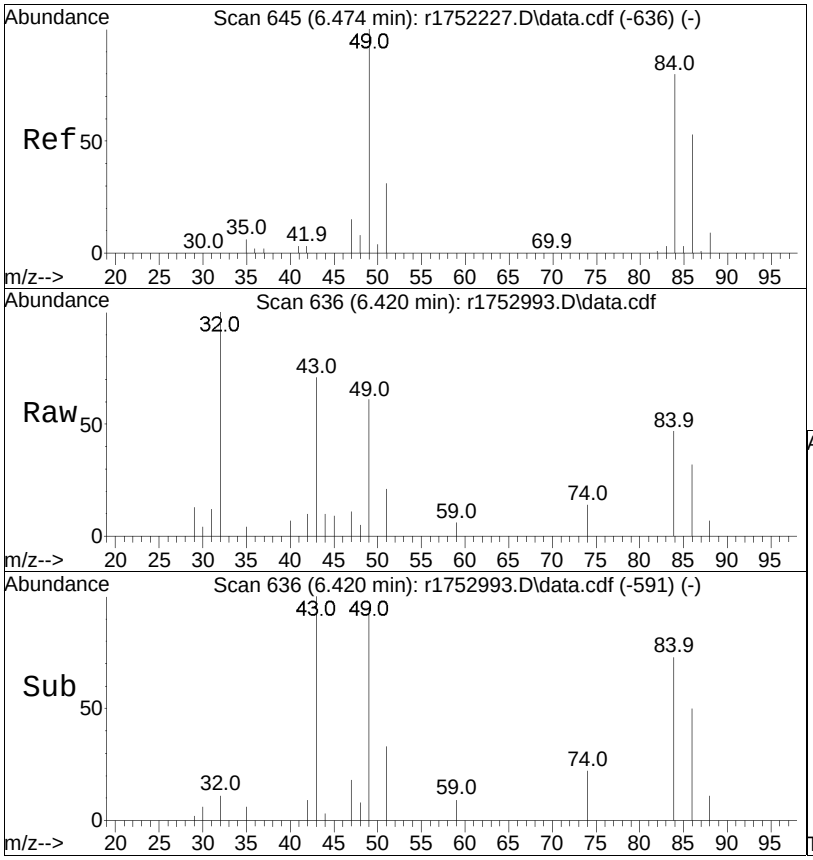


#22
isopropyl alcohol
Concen: 8.16 ppbV
RT: 5.693 min Scan# 457
Delta R.T. -0.037 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 45 Resp: 288786

Ion	Ratio	Lower	Upper
45	100		
59	4.5	4.2	6.2

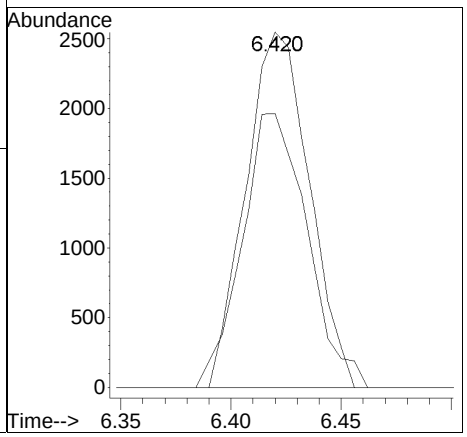


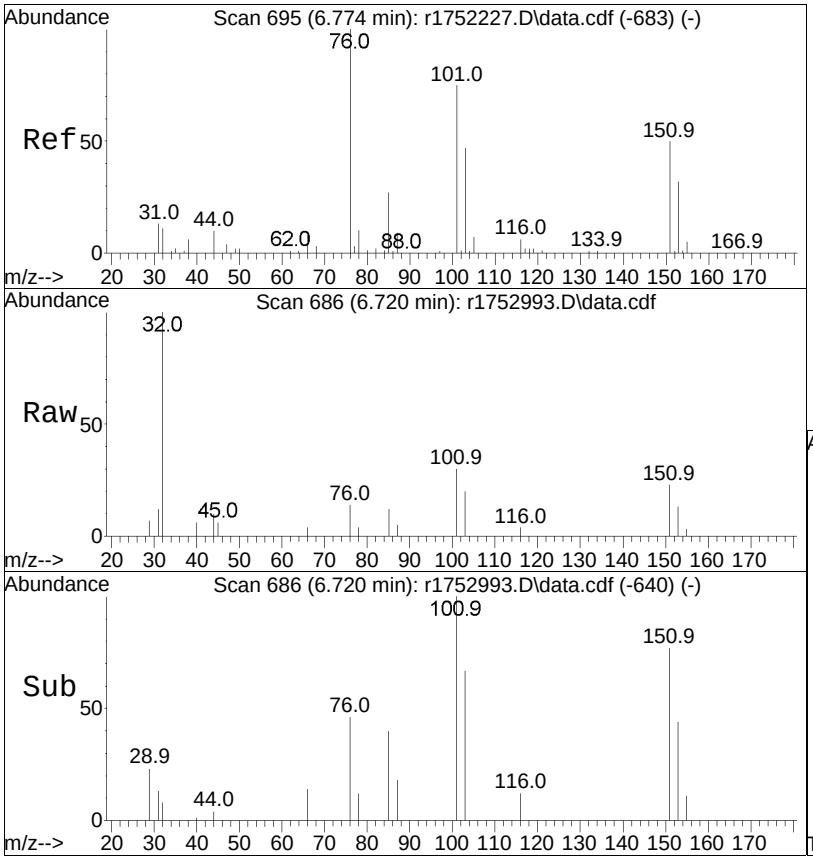


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.420 min Scan# 636
Delta R.T. -0.054 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 49 Resp: 5106

Ion	Ratio	Lower	Upper
49	100		
84	77.0	64.2	96.2

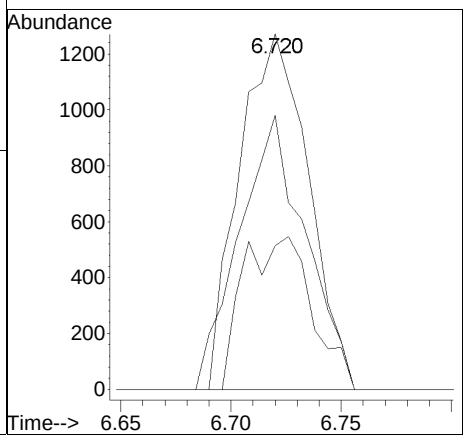


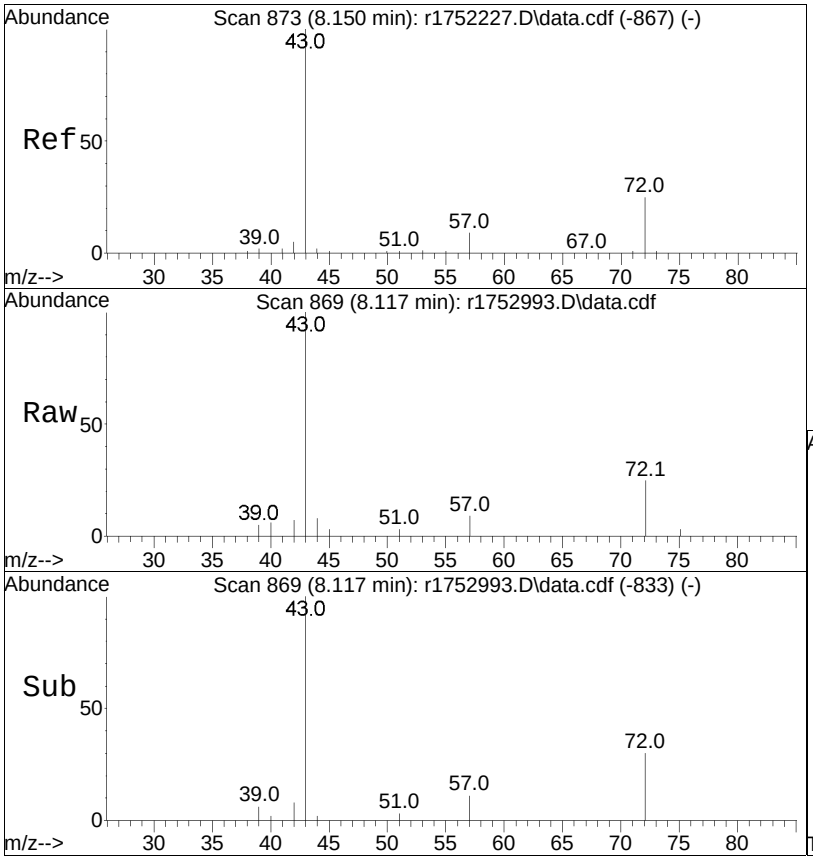


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.720 min Scan# 686
Delta R.T. -0.054 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:101 Resp: 2778

Ion	Ratio	Lower	Upper
101	100		
85	40.4	28.9	43.3
151	77.1	53.3	79.9

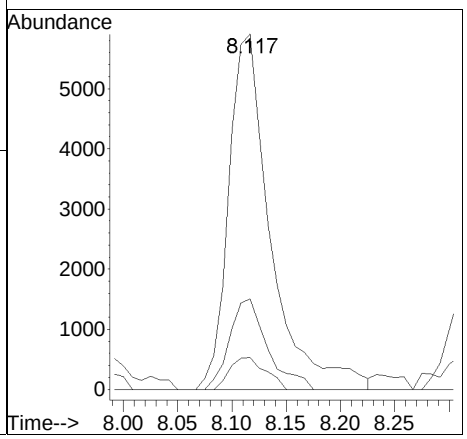


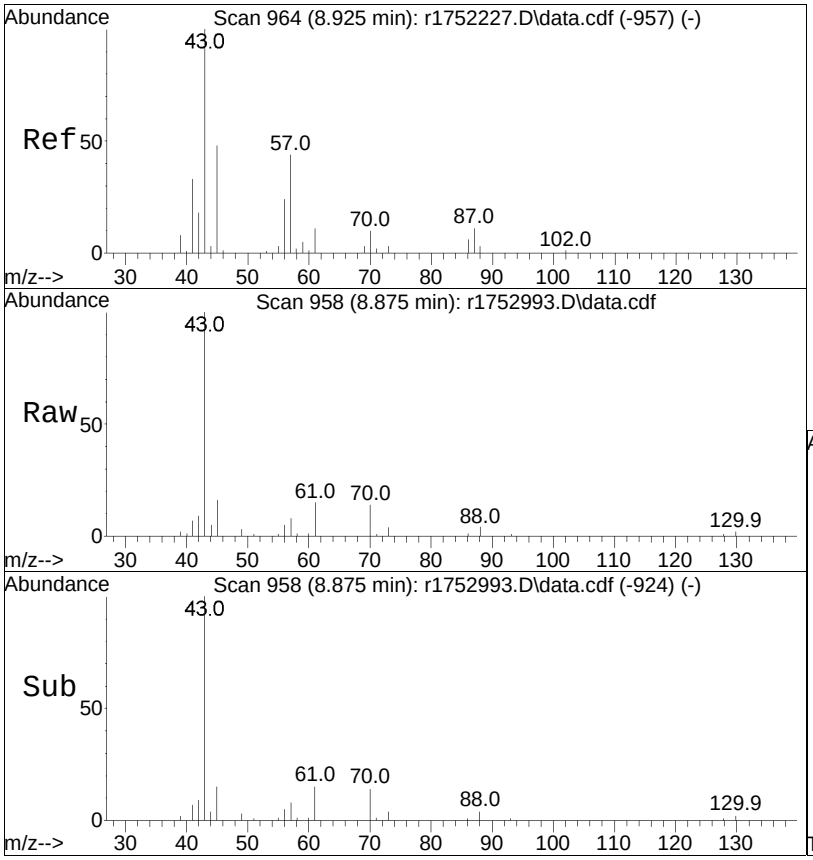


#36
2-butanone
Concen: 0.32 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 43 Resp: 15927

Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.9	29.9
57	9.0	7.2	10.8

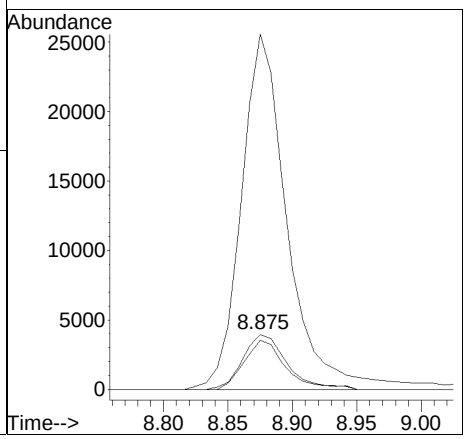


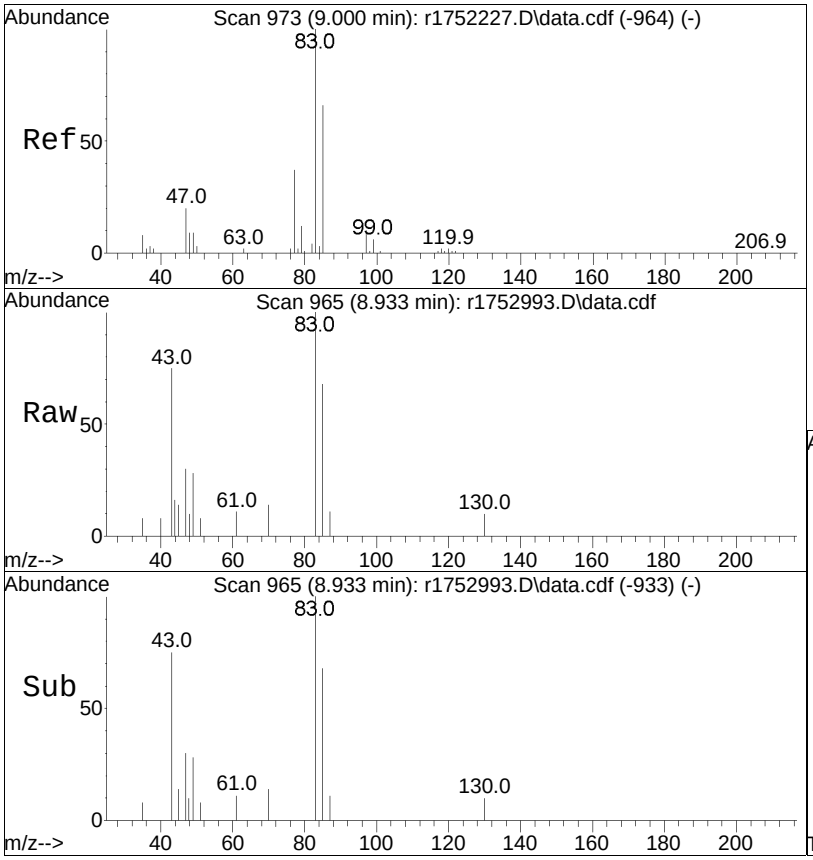


#38
Ethyl Acetate
Concen: 1.04 ppbV
RT: 8.875 min Scan# 958
Delta R.T. -0.050 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 61 Resp: 9393

Ion	Ratio	Lower	Upper
61	100		
70	89.5	68.4	102.6
43	647.5	727.4	1091.2#

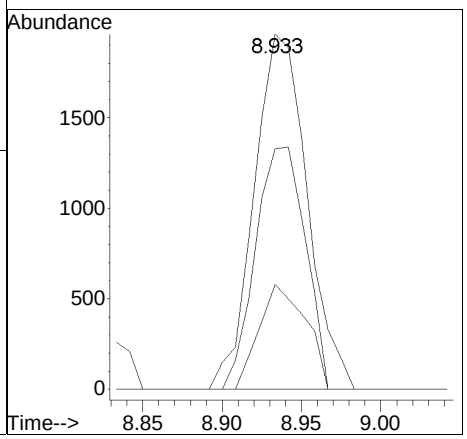


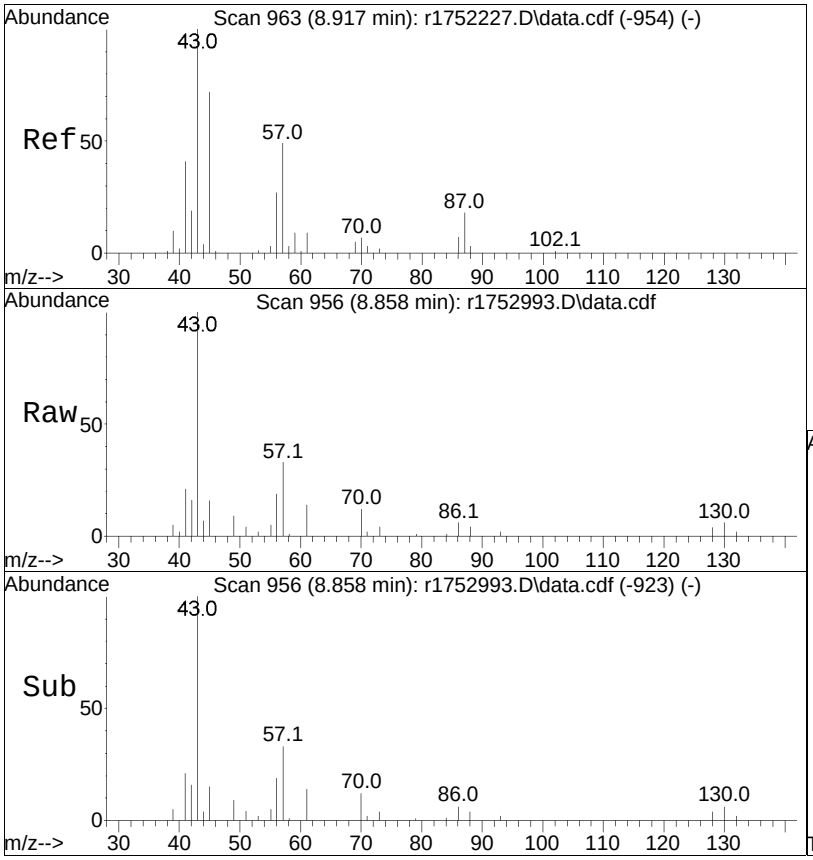


#39
chloroform
Concen: 0.11 ppbV
RT: 8.933 min Scan# 965
Delta R.T. -0.067 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 83 Resp: 4565

Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.1	79.7
47	29.5	16.3	24.5#

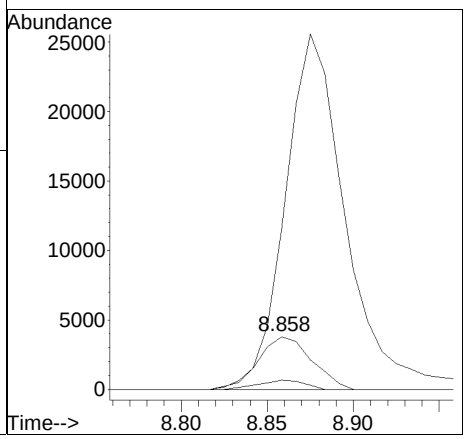


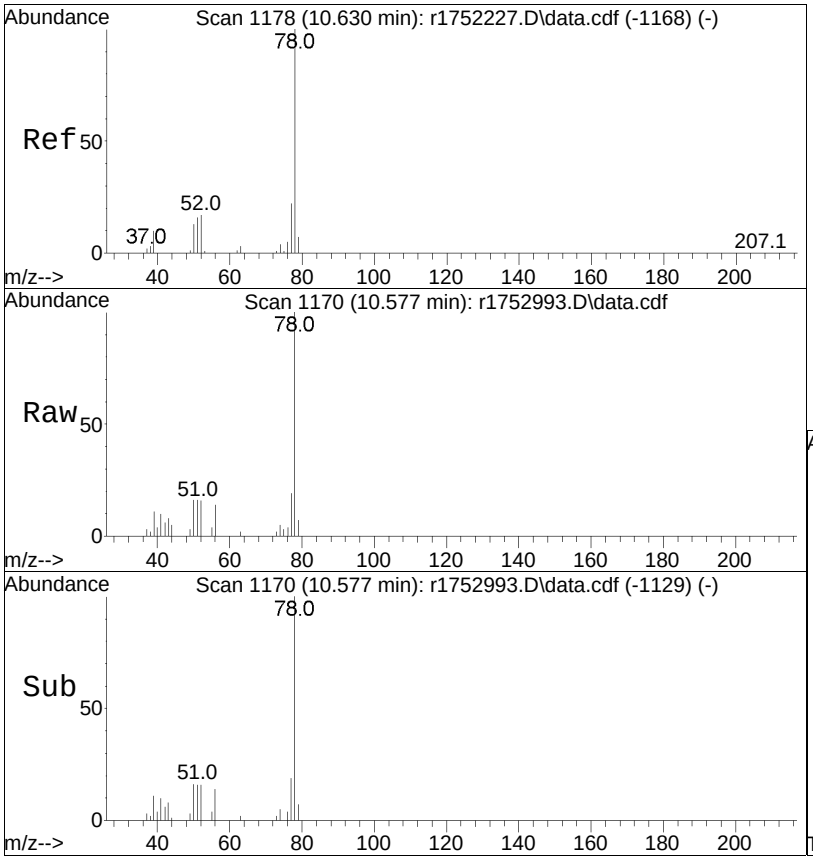


#44
hexane
Concen: 0.22 ppbV
RT: 8.858 min Scan# 956
Delta R.T. -0.058 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 57 Resp: 8260

Ion	Ratio	Lower	Upper
57	100		
43	306.3	163.5	245.3#
86	17.6	11.7	17.5#

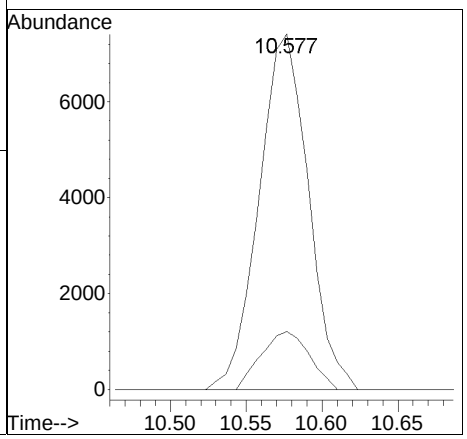


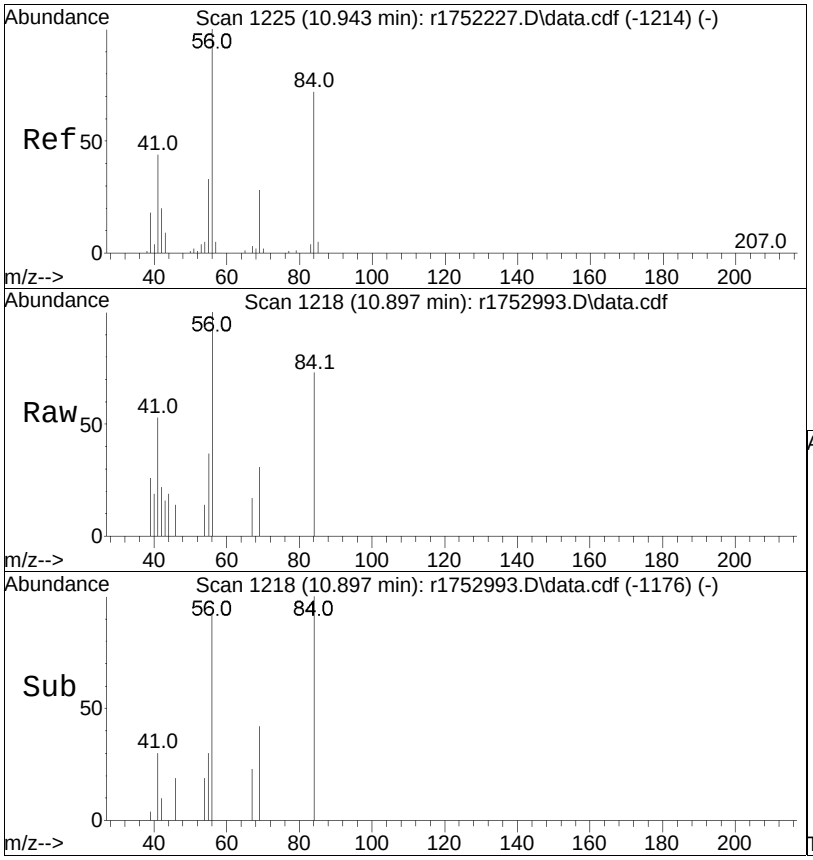


#50
benzene
Concen: 0.26 ppbV
RT: 10.577 min Scan# 1170
Delta R.T. -0.053 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 78 Resp: 16771

Ion	Ratio	Lower	Upper
78	100		
52	16.3	13.8	20.8

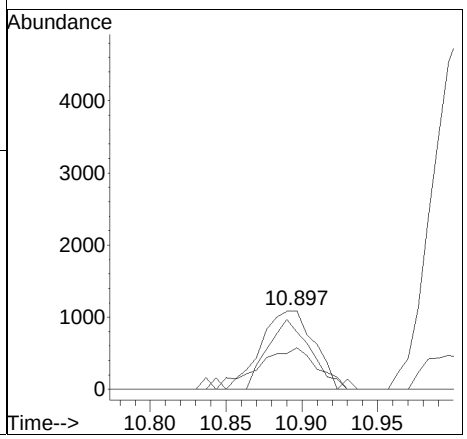


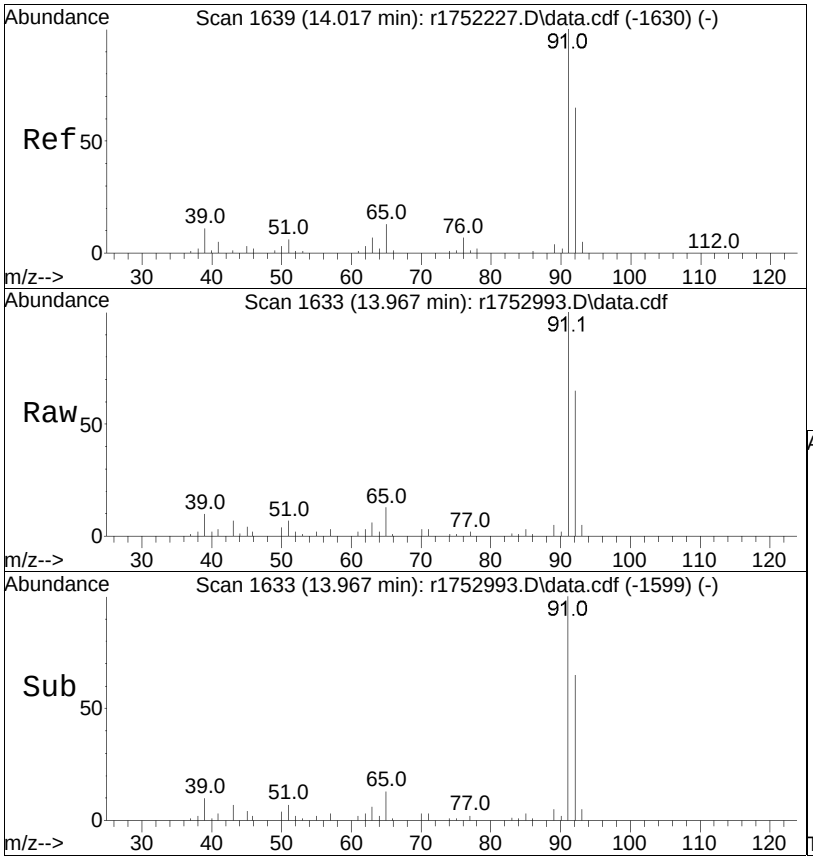


#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.897 min Scan# 1218
Delta R.T. -0.047 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 56 Resp: 2766

Ion	Ratio	Lower	Upper
56	100		
84	73.0	57.8	86.8
41	53.1	35.5	53.3

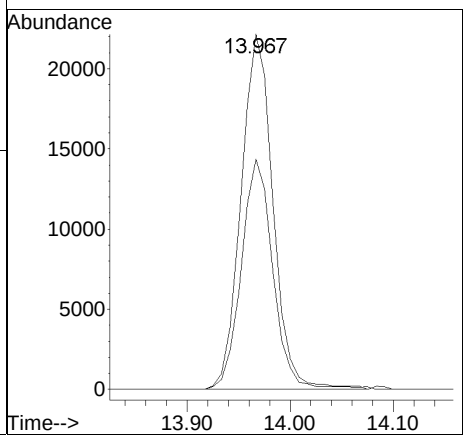


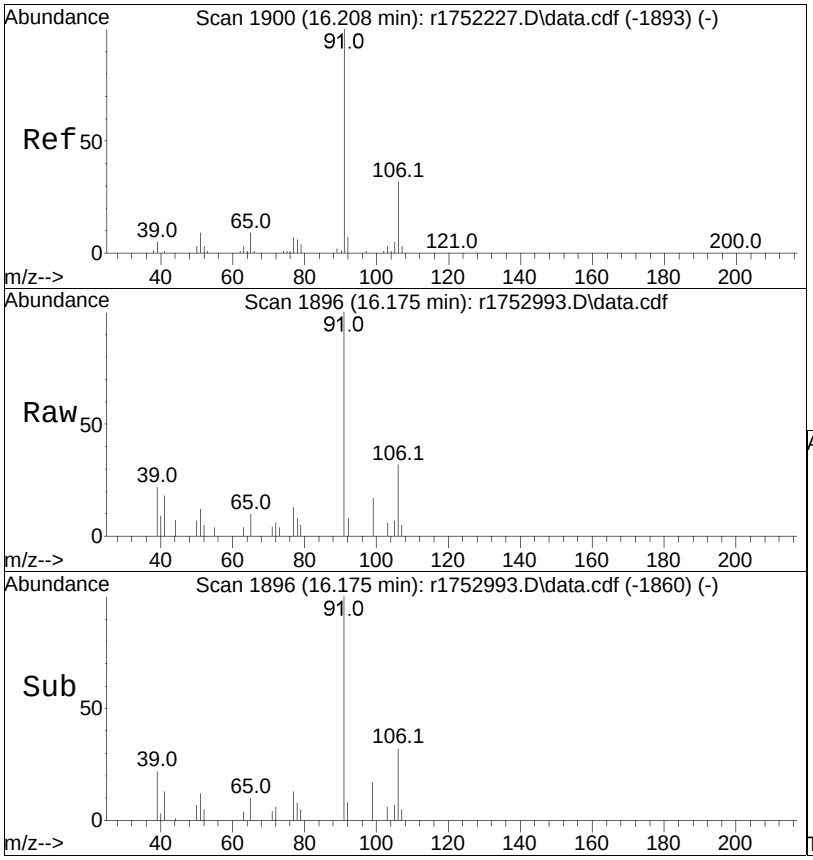


#68
toluene
Concen: 0.54 ppbV
RT: 13.967 min Scan# 1633
Delta R.T. -0.050 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 91 Resp: 47771

Ion	Ratio	Lower	Upper
91	100		
92	64.8	51.9	77.9

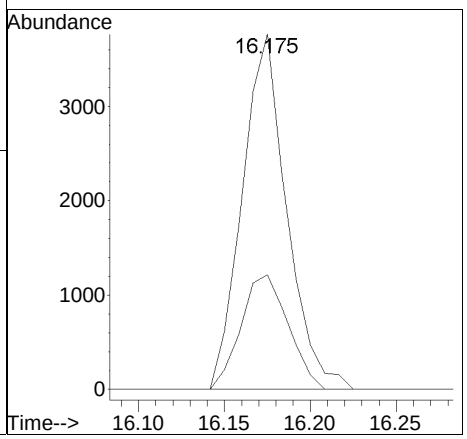


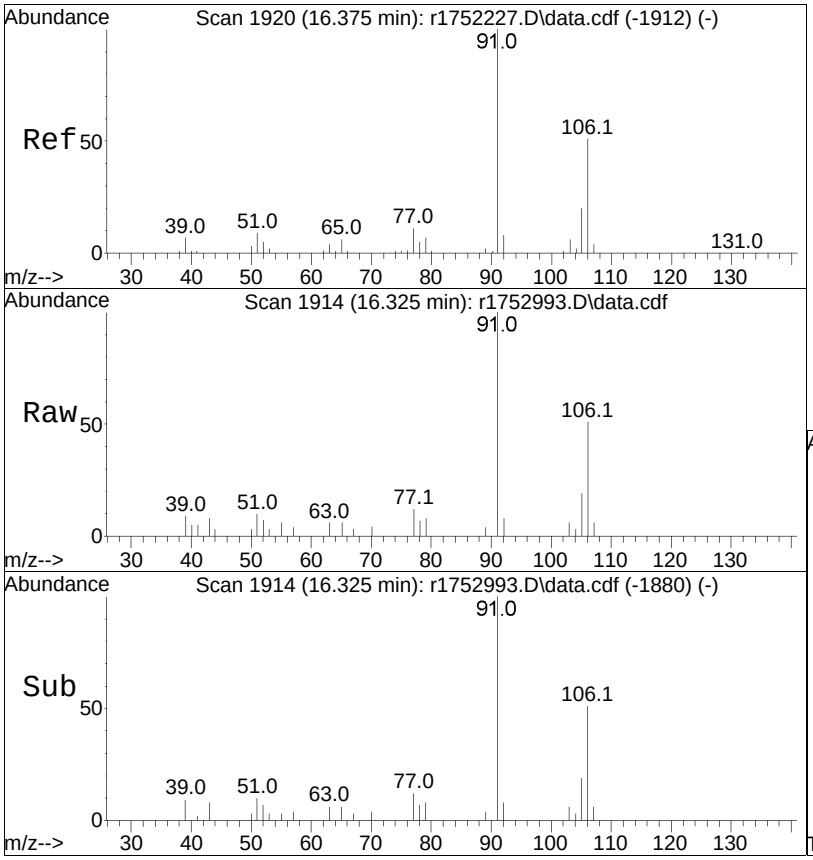


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.175 min Scan# 1896
Delta R.T. -0.033 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 91 Resp: 6768

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5

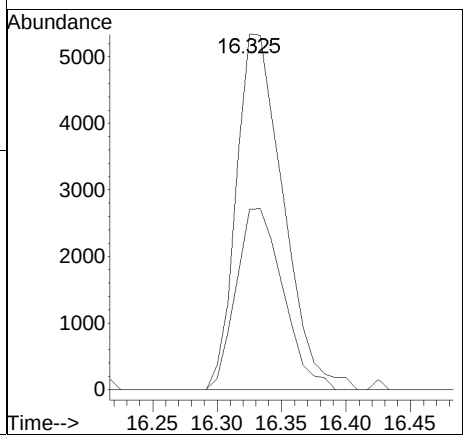


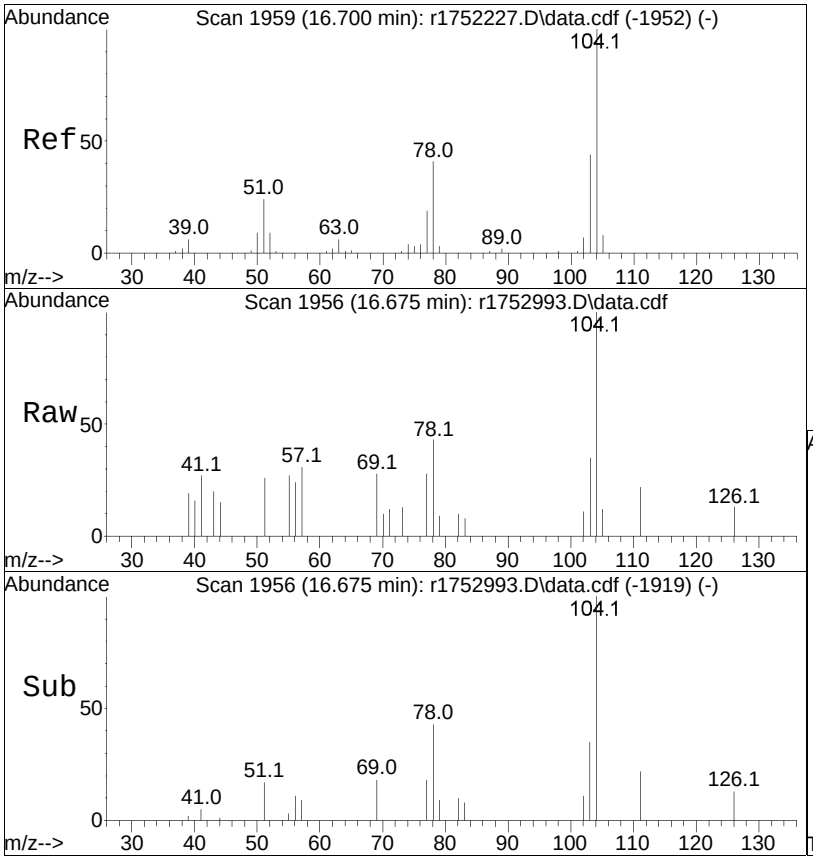


#83
m+p-xylene
Concen: 0.15 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 91 Resp: 13515

Ion	Ratio	Lower	Upper
91	100		
106	50.7	41.1	61.7

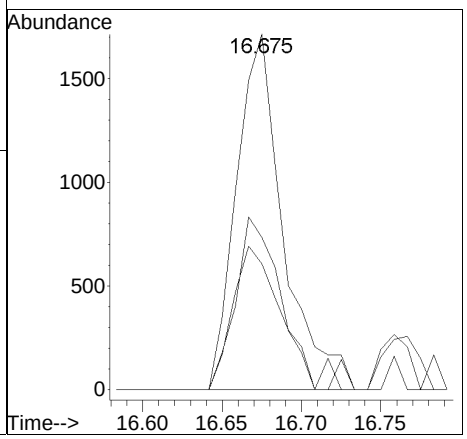


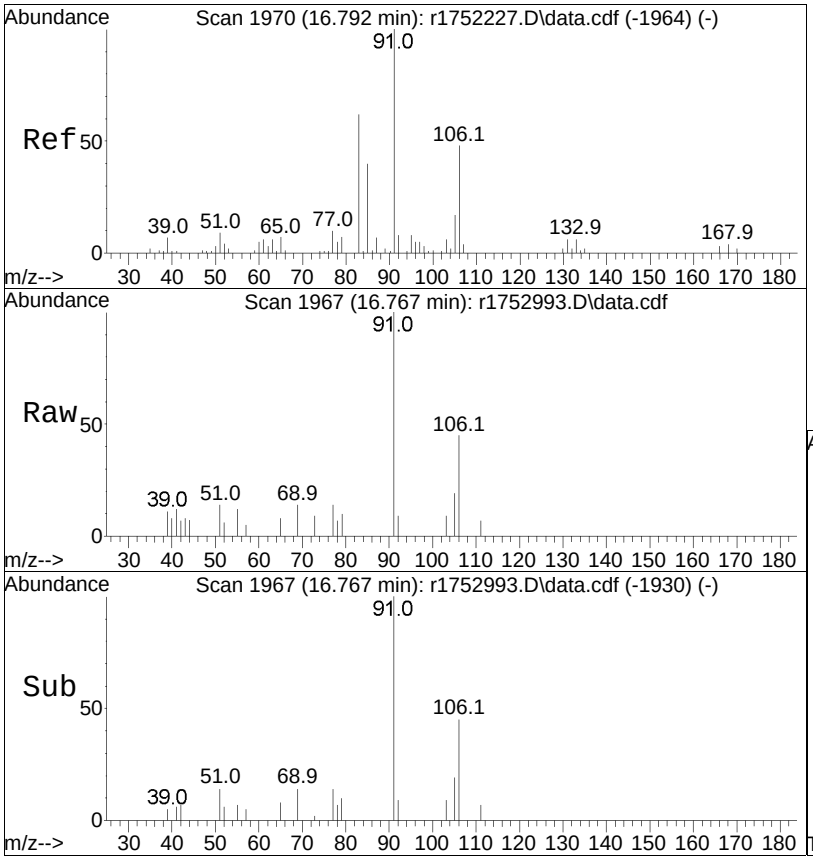


#85
styrene
Concen: 0.05 ppbV
RT: 16.675 min Scan# 1956
Delta R.T. -0.025 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:104 Resp: 3517

Ion	Ratio	Lower	Upper
104	100		
103	35.4	34.9	52.3
78	42.8	33.0	49.4

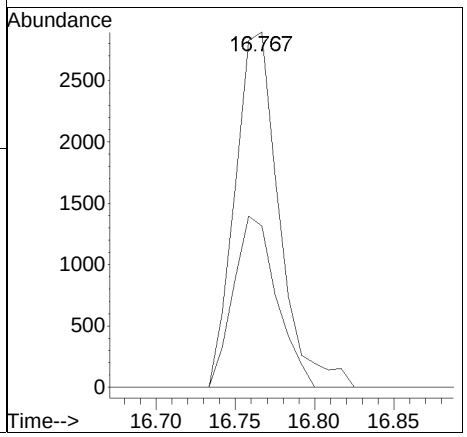


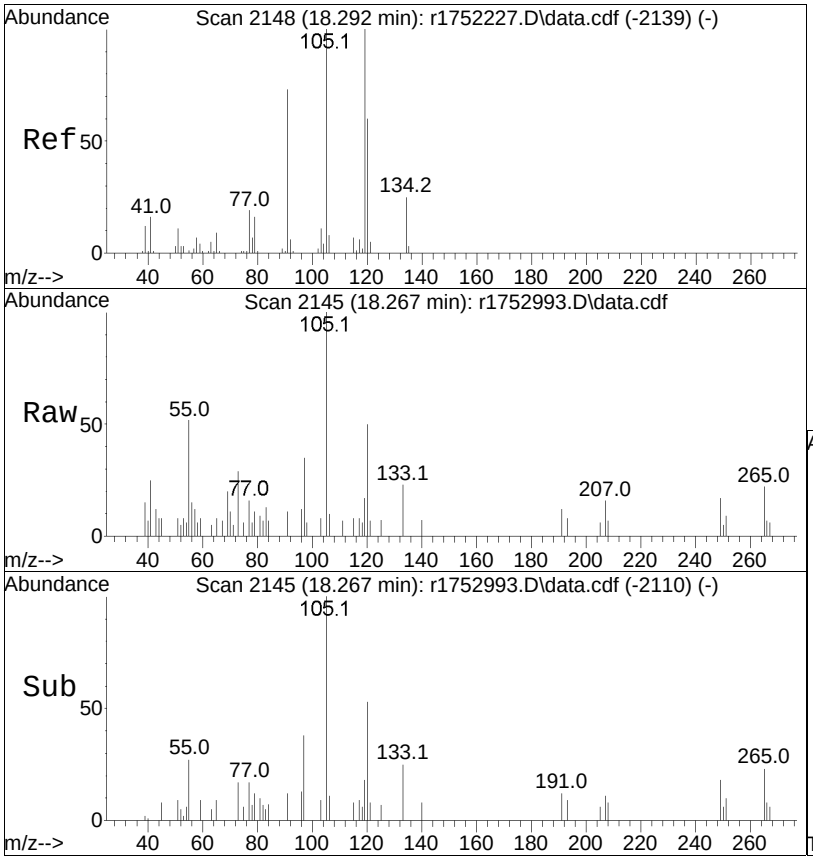


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.767 min Scan# 1967
Delta R.T. -0.025 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion: 91 Resp: 5593

Ion	Ratio	Lower	Upper
91	100		
106	45.4	38.4	57.6

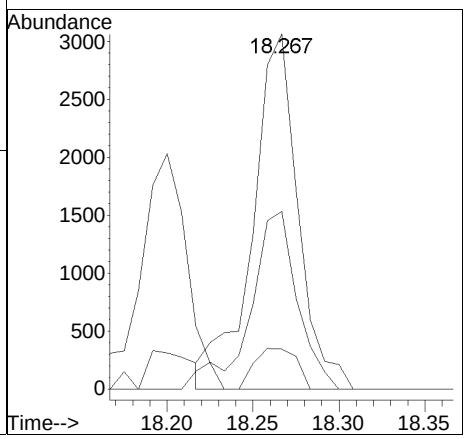




#99
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752993.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:105 Resp: 5680

Ion	Ratio	Lower	Upper
105	100		
120	50.1	48.0	72.0
91	11.4	58.3	87.5#

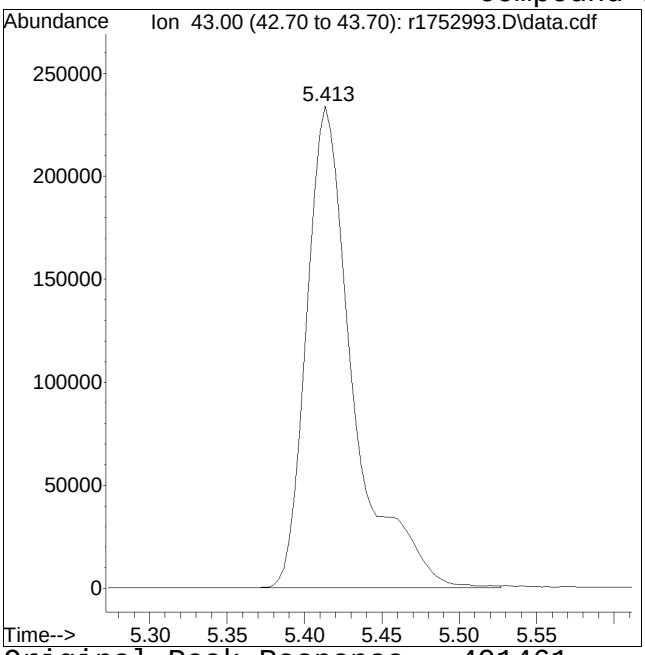


Manual Integration Report

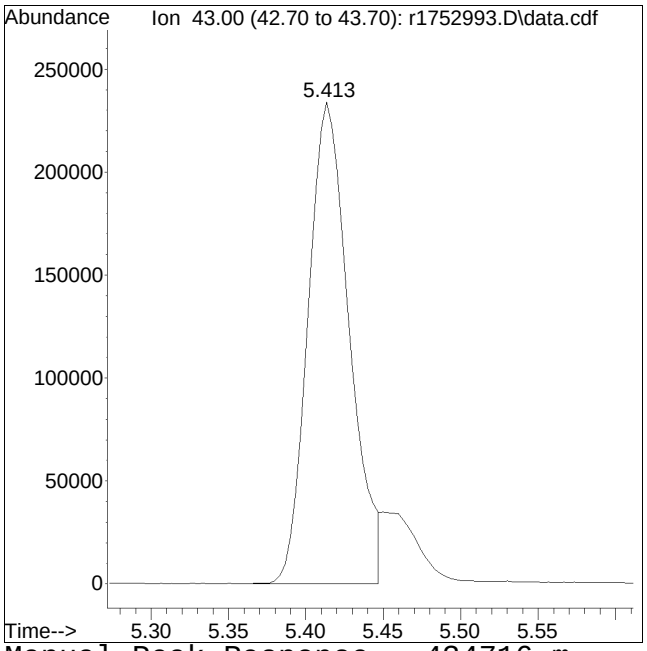
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752993.D
Date Inj'd : 12/18/2025 10:04 PM
Sample : L2577500-08,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:19 am

Compound #19: acetone



Original Peak Response = 491461



Manual Peak Response = 434716 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237344.D
Acq On : 18 Dec 2025 10:38 pm
Operator : AIRLAB23:TPH
Sample : L2577500-14D,3,16.25,250
Misc : WG2155905,ICAL22840
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 07:13:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.877	49	207796	10.000	ppbV	0.00
Standard Area = 206017			Recovery = 100.86%			
43) 1,4-difluorobenzene	11.064	114	828666	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 100.52%			
67) chlorobenzene-D5	15.733	54	110076	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 107.10%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.874	85	8194	0.146	ppbV	97
6) chloromethane	0.000		0	N.D.	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	4.992	31	161146	20.114	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.479	43	5557202	273.852	ppbV	92
21) trichlorofluoromethane	5.677		0	N.D.		
22) isopropyl alcohol	5.765	45	345771	16.189	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.511	49	619	0.034	ppbV	92
29) 3-chloropropene	6.561		0	N.D.		
30) carbon disulfide	6.808		0	N.D.		
31) Freon 113	0.000		0	N.D.		
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.224	43	1252	0.048	ppbV #	90
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.958	61	17564	3.624	ppbV #	6
39) chloroform	9.032	83	6485	0.138	ppbV	97
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.942	57	1984	0.090	ppbV #	1

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237344.D
Acq On : 18 Dec 2025 10:38 pm
Operator : AIRLAB23:TPH
Sample : L2577500-14D,3,16.25,250
Misc : WG2155905,ICAL22840
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 07:13:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.			
50)	benzene	10.649	78	3587	0.059	ppbV	#	92
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	11.790		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
59)	trichloroethene	11.846		0	N.D.			
60)	2,2,4-trimethylpentane	11.894		0	N.D.			
62)	heptane	12.195	43	1656	0.079	ppbV	#	55
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	13.978	91	17768	0.233	ppbV		99
72)	2-hexanone	14.203		0	N.D.			
74)	dibromochloromethane	0.000		0	N.D.			
75)	1,2-dibromoethane	0.000		0	N.D.			
78)	tetrachloroethene	15.146	166	44701	0.935	ppbV		91
80)	chlorobenzene	0.000		0	N.D.			
81)	ethylbenzene	16.116	91	3018	0.031	ppbV		97
83)	m+p-xylene	16.264	91	9795	0.132	ppbV		96
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.586		0	N.D.			
86)	1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87)	o-xylene	16.673	91	3566	0.048	ppbV		88
96)	4-ethyl toluene	17.674		0	N.D.			
97)	1,3,5-trimethylbenzene	17.752	105	2917	0.035	ppbV	#	96
99)	1,2,4-trimethylbenzene	18.085	105	9544	0.108	ppbV	#	57
101)	Benzyl Chloride	18.085		0	N.D.			
102)	1,3-dichlorobenzene	0.000		0	N.D.			
103)	1,4-dichlorobenzene	0.000		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.096		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\Airlab23\2025\12\1218T\
Data File : R237344.D
Acq On : 18 Dec 2025 10:38 pm
Operator : AIRLAB23:TPH
Sample : L2577500-14D,3,16.25,250
Misc : WG2155905,ICAL22840
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 07:13:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

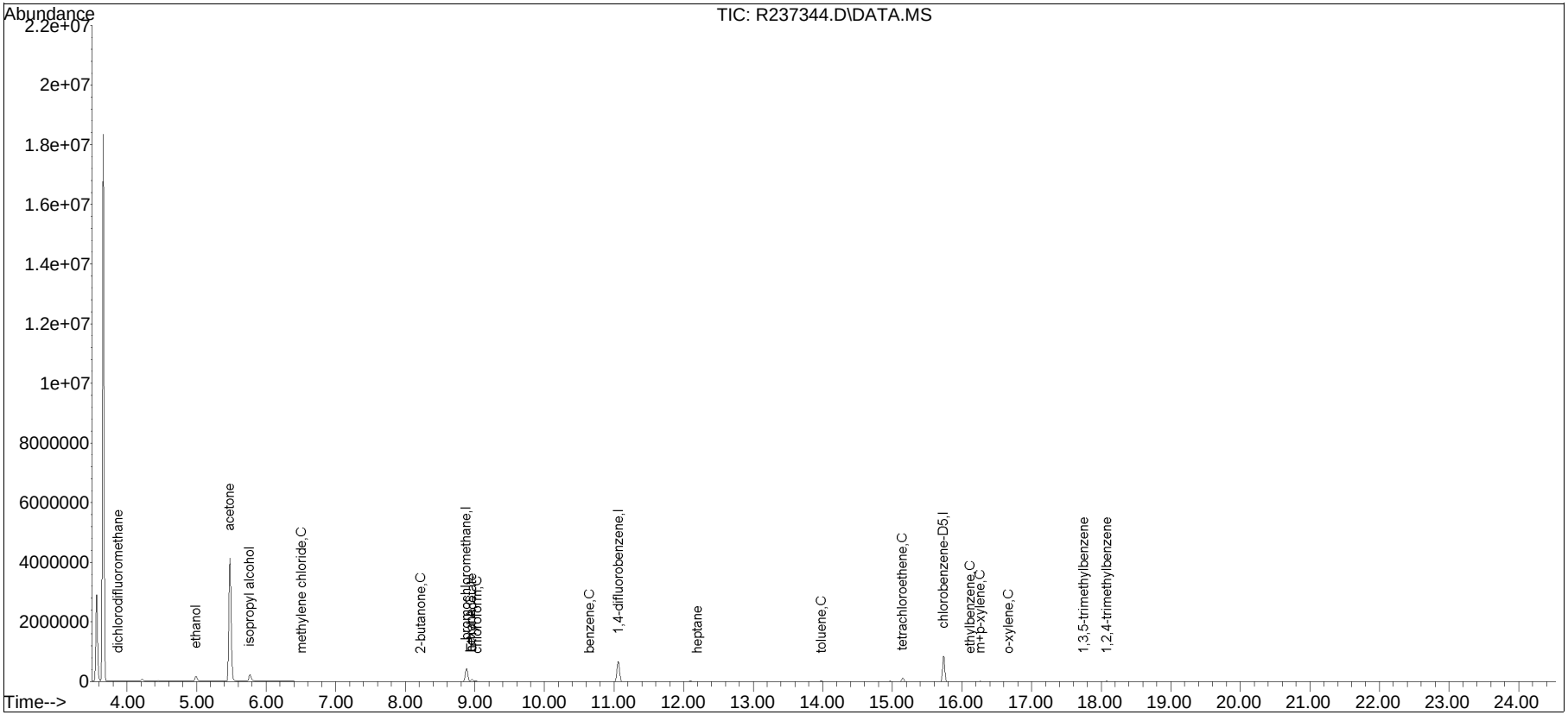
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

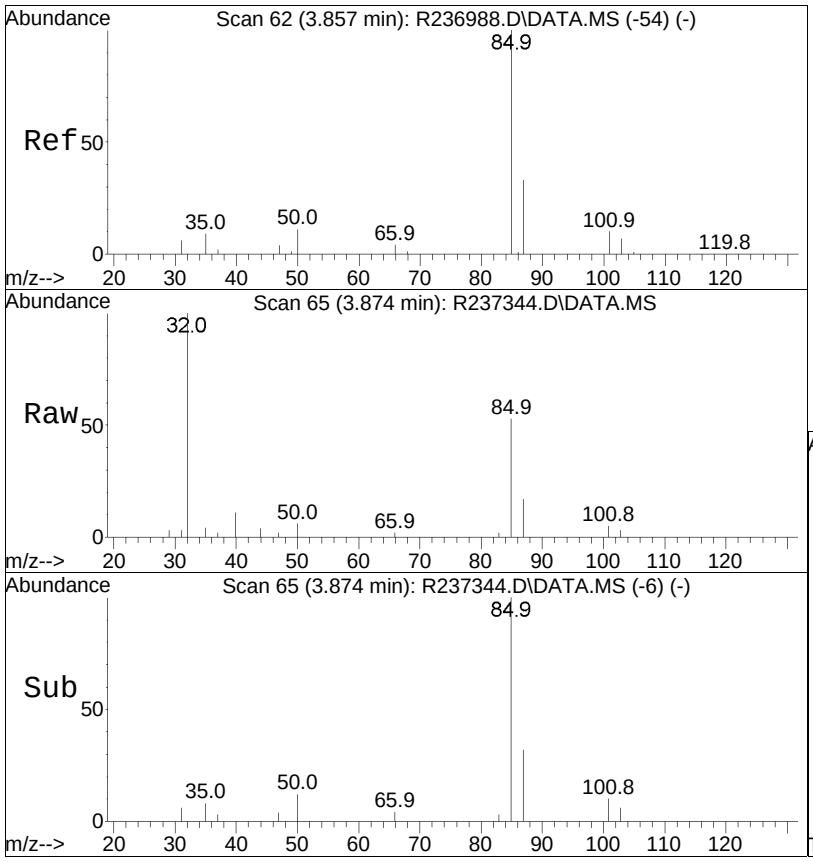
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237344.D
Acq On : 18 Dec 2025 10:38 pm
Operator : AIRLAB23:TPH
Sample : L2577500-14D,3,16.25,250
Misc : WG2155905,ICAL22840
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 07:13:34 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

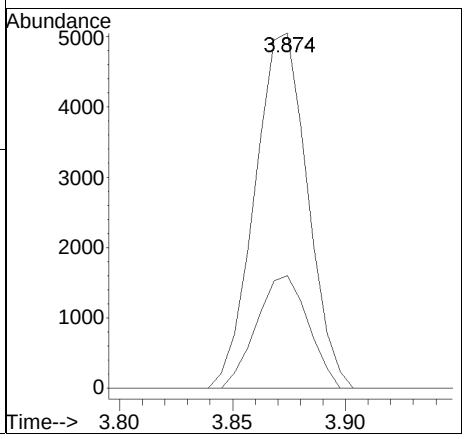


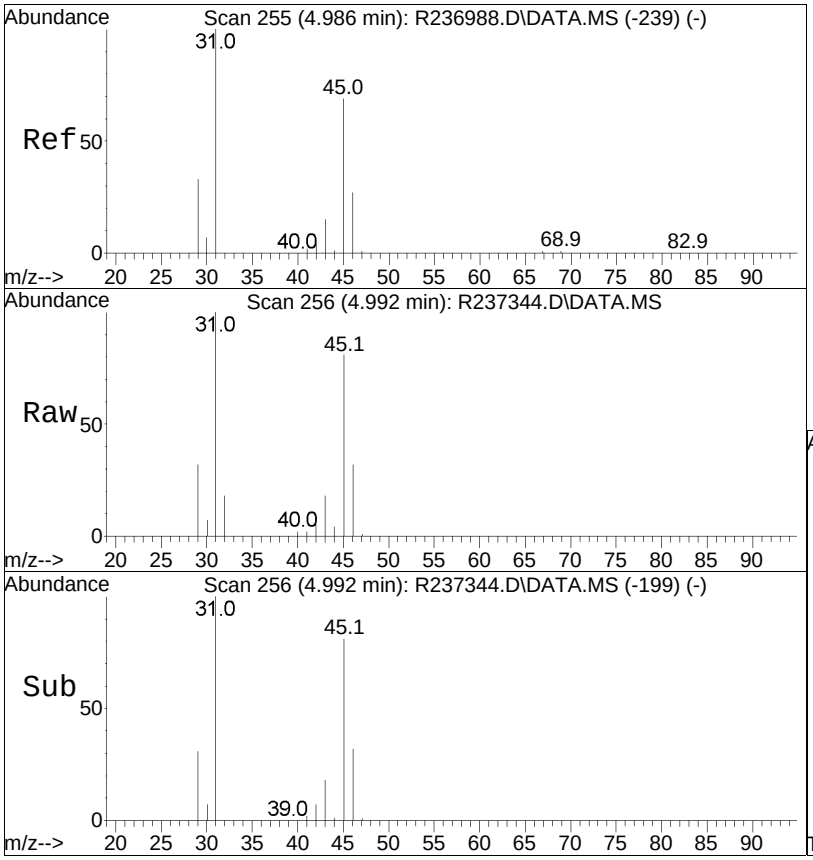


#5
dichlorodifluoromethane
Concen: 0.15 ppbV
RT: 3.874 min Scan# 65
Delta R.T. 0.017 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 85 Resp: 8194

Ion	Ratio	Lower	Upper
85	100		
87	31.7	26.8	40.2

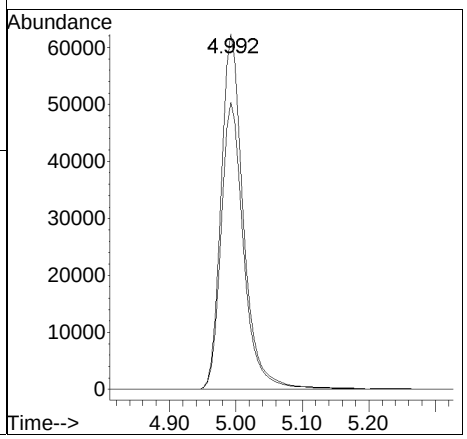


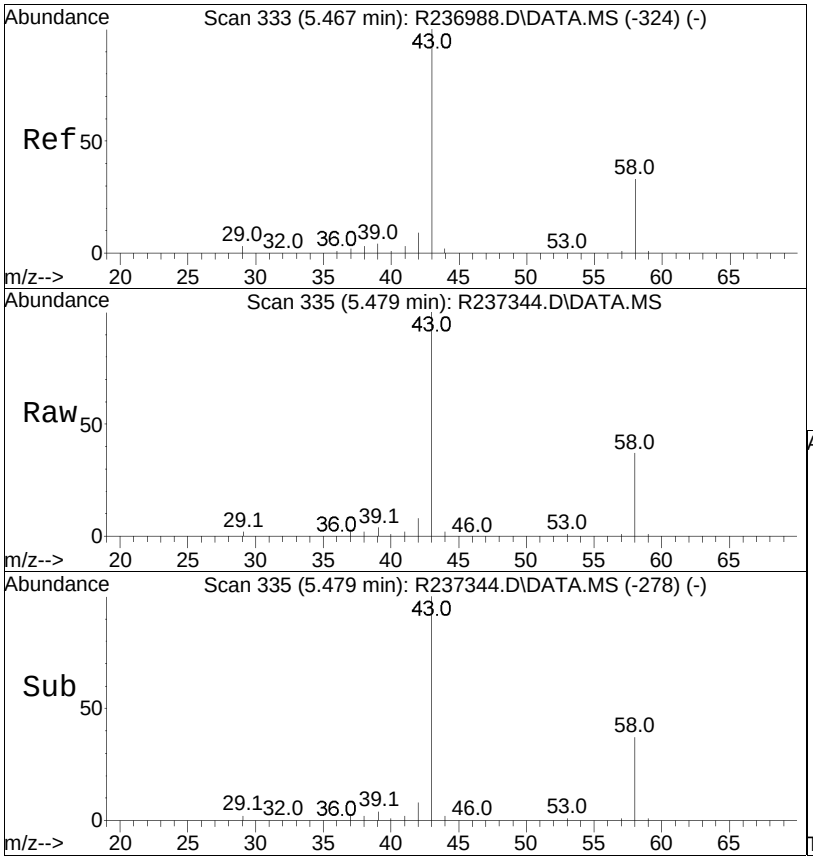


#15
ethanol
Concen: 20.11 ppbV
RT: 4.992 min Scan# 256
Delta R.T. 0.006 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 31 Resp: 161146

Ion	Ratio	Lower	Upper
31	100		
45	80.9	55.0	82.6

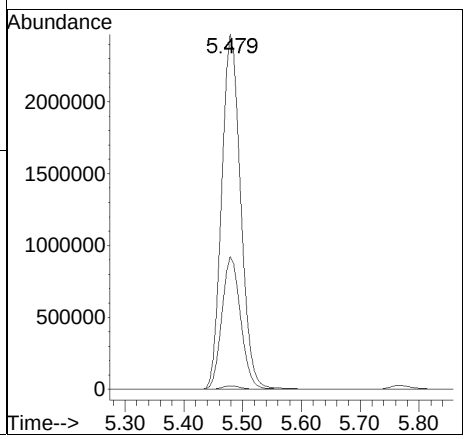


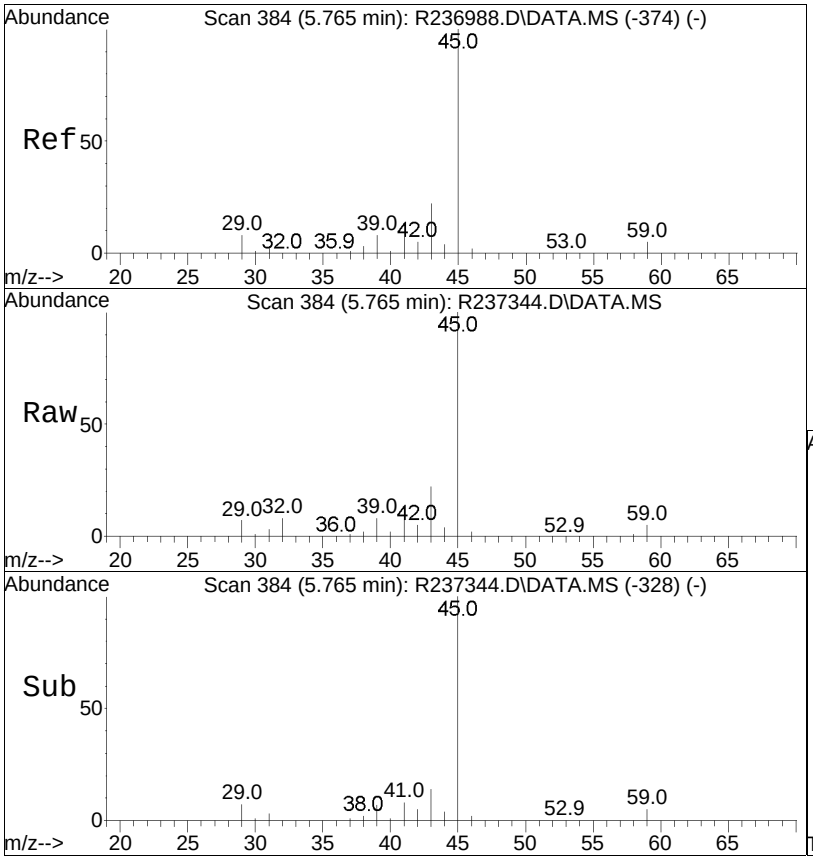


#19
acetone
Concen: 273.85 ppbV
RT: 5.479 min Scan# 335
Delta R.T. 0.012 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 43 Resp: 5557202

Ion	Ratio	Lower	Upper
43	100		
58	37.3	26.2	39.4
57	1.0	0.7	1.1

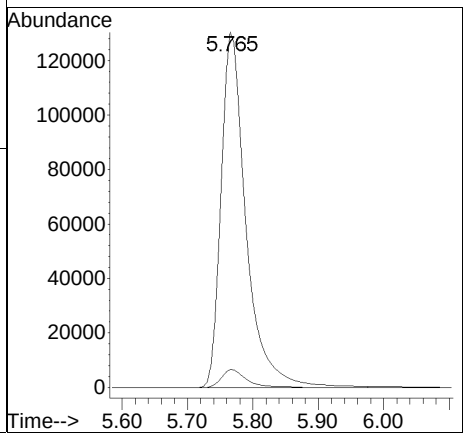


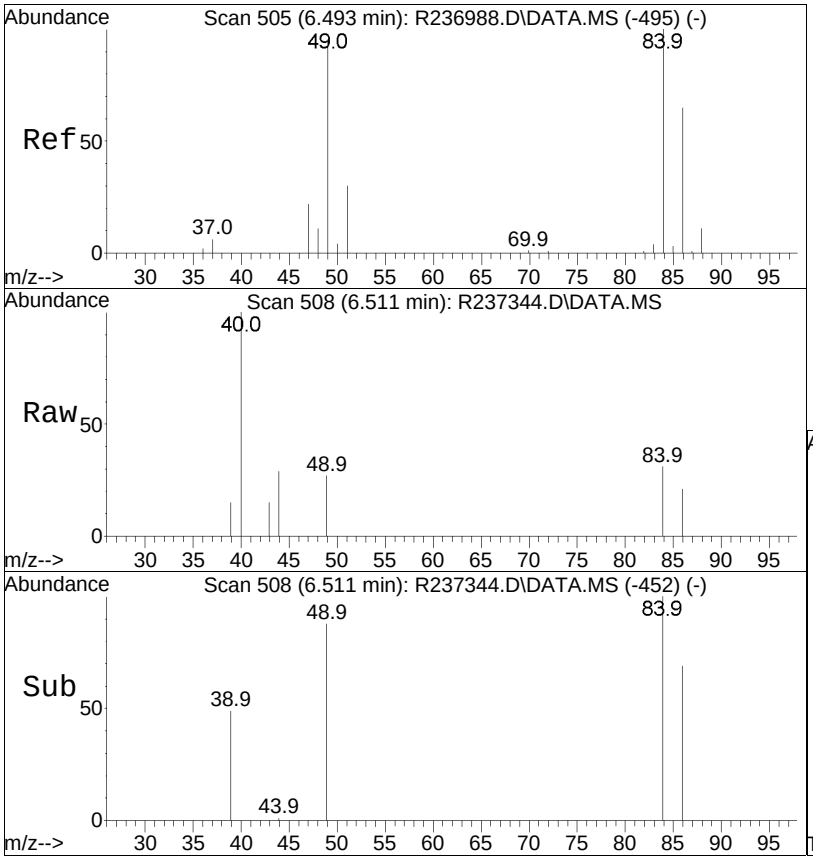


#22
isopropyl alcohol
Concen: 16.19 ppbV
RT: 5.765 min Scan# 384
Delta R.T. -0.000 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 45 Resp: 345771

Ion	Ratio	Lower	Upper
45	100		
59	5.1	3.8	5.6

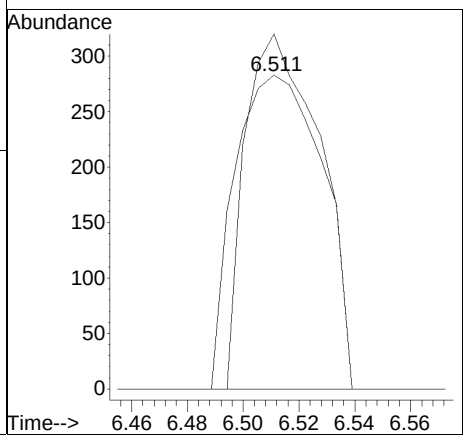


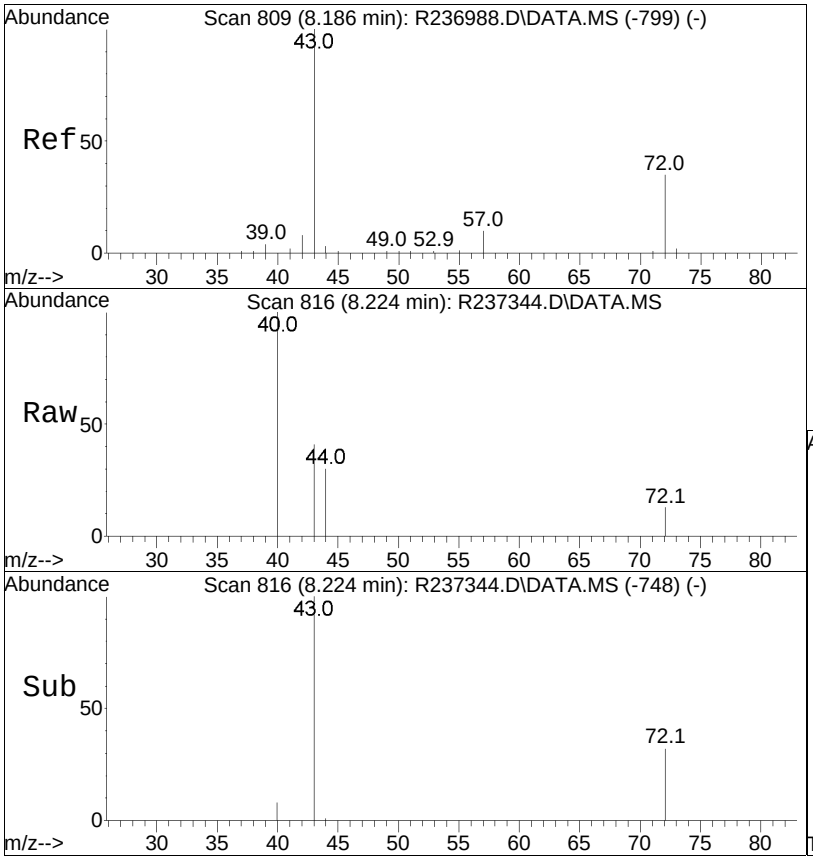


#28
methylene chloride
Concen: 0.03 ppbV
RT: 6.511 min Scan# 508
Delta R.T. 0.018 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 49 Resp: 619

Ion	Ratio	Lower	Upper
49	100		
84	113.1	83.7	125.5

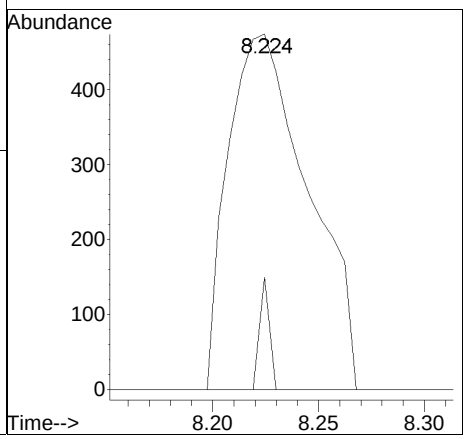


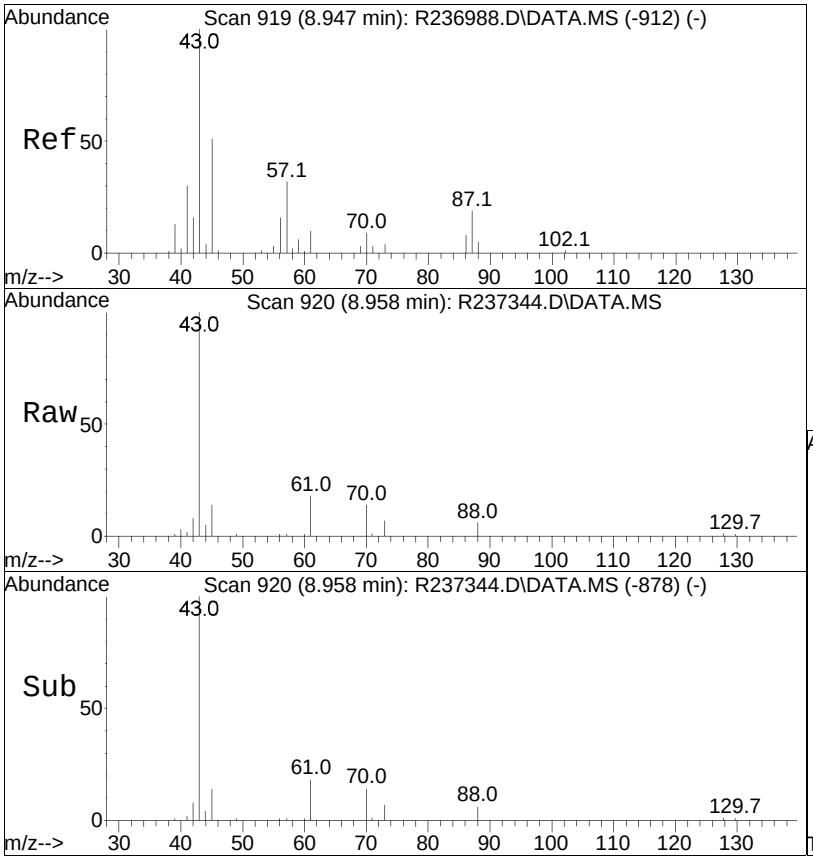


#36
2-butanone
Concen: 0.05 ppbV
RT: 8.224 min Scan# 816
Delta R.T. 0.038 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 43 Resp: 1252

Ion	Ratio	Lower	Upper
43	100		
72	31.6	27.8	41.6
57	0.0	7.7	11.5#

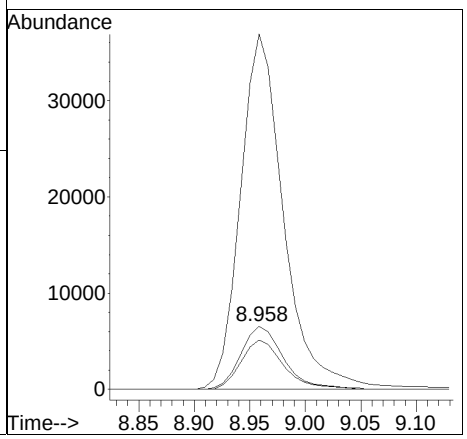


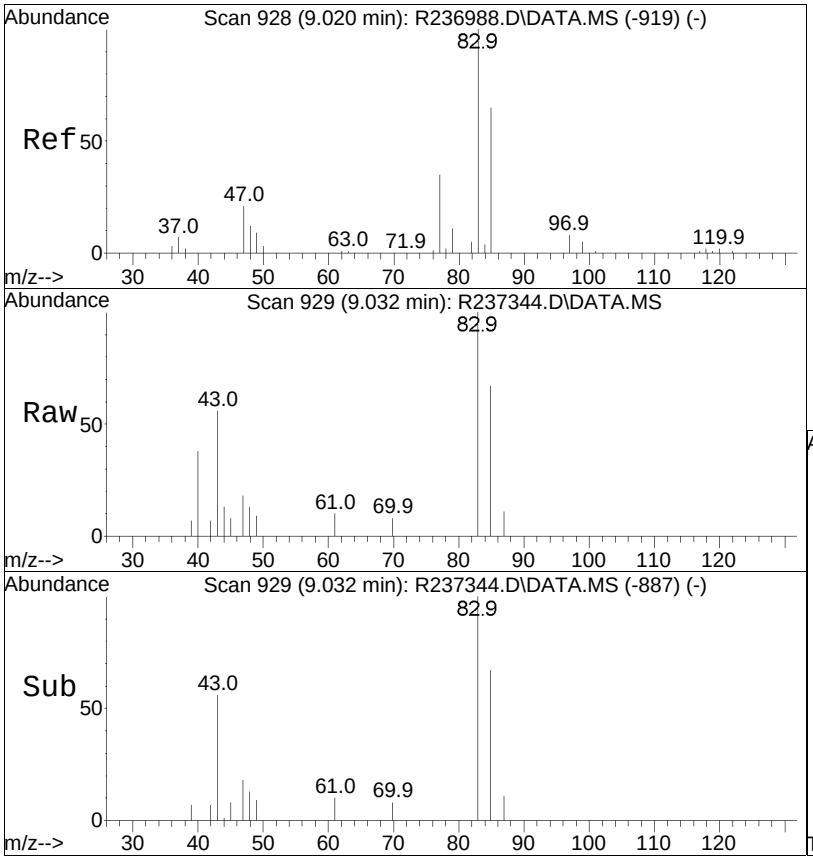


#38
Ethyl Acetate
Concen: 3.62 ppbV
RT: 8.958 min Scan# 920
Delta R.T. 0.011 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 61 Resp: 17564

Ion	Ratio	Lower	Upper
61	100		
70	78.5	72.2	108.2
43	563.7	818.1	1227.1#

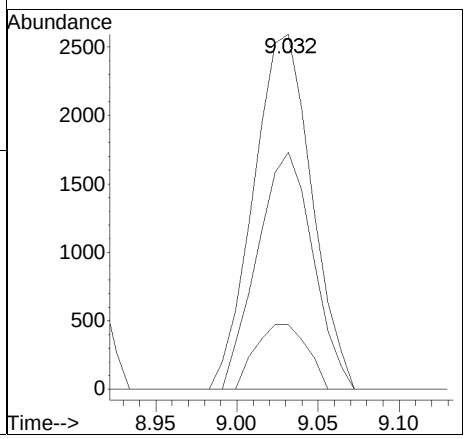


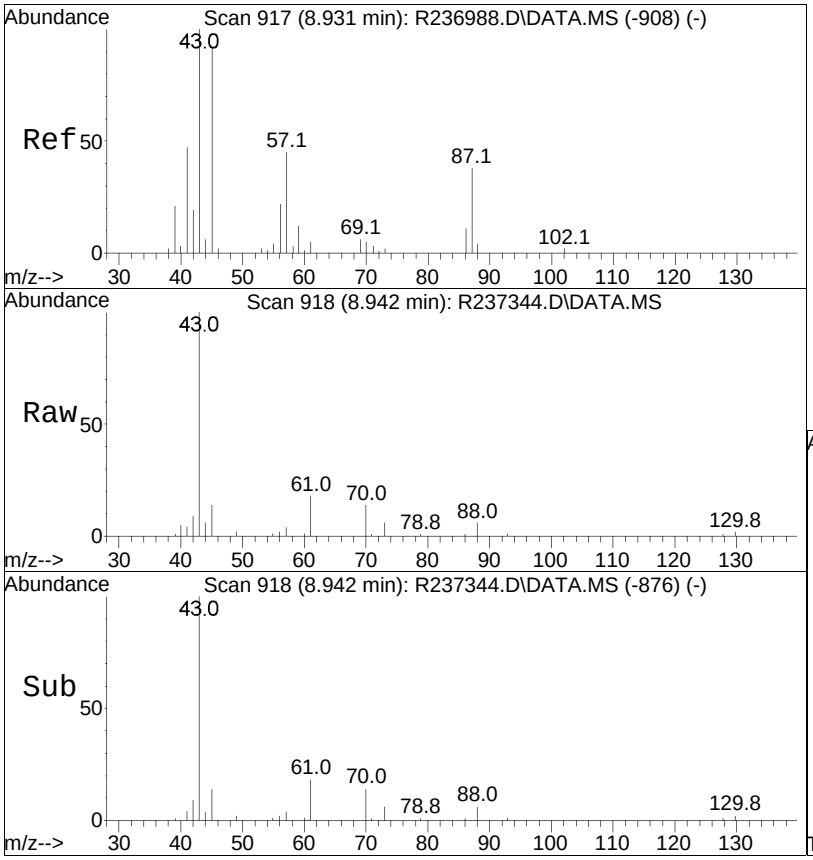


#39
chloroform
Concen: 0.14 ppbV
RT: 9.032 min Scan# 929
Delta R.T. 0.011 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 83 Resp: 6485

Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.3	78.5
47	18.2	17.1	25.7

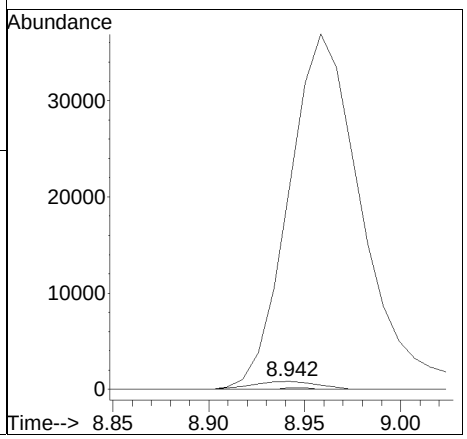


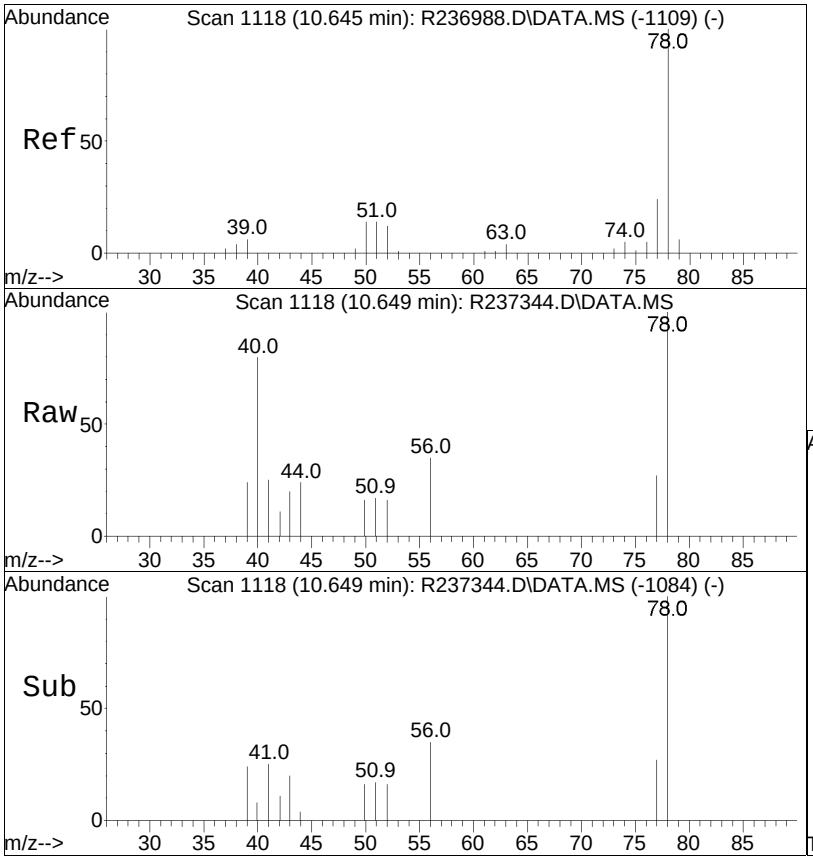


#44
hexane
Concen: 0.09 ppbV
RT: 8.942 min Scan# 918
Delta R.T. 0.011 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 57 Resp: 1984

Ion	Ratio	Lower	Upper
57	100		
43	2513.7	177.1	265.7#
86	20.4	18.6	28.0

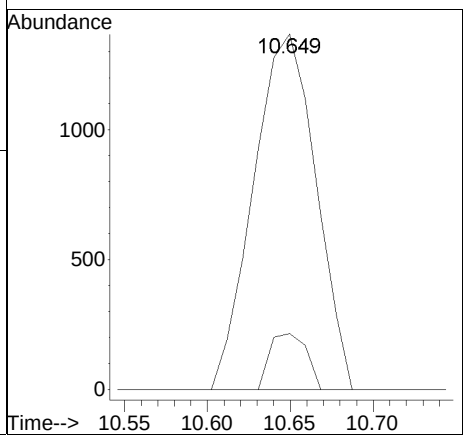


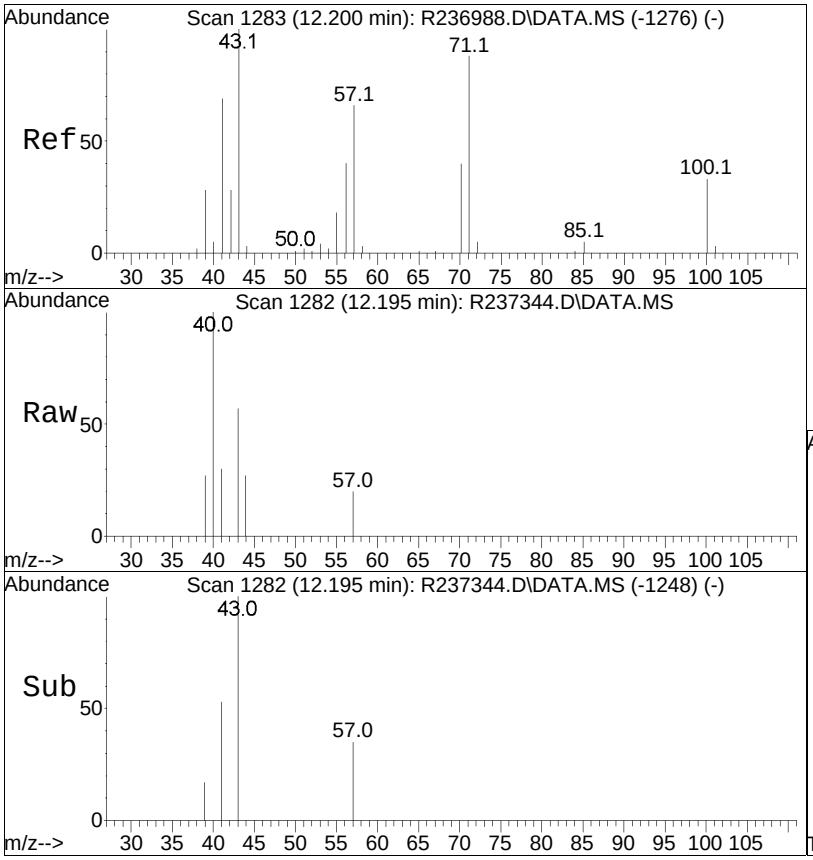


#50
benzene
Concen: 0.06 ppbV
RT: 10.649 min Scan# 1118
Delta R.T. 0.004 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 78 Resp: 3587

Ion	Ratio	Lower	Upper
78	100		
52	15.7	9.9	14.9#

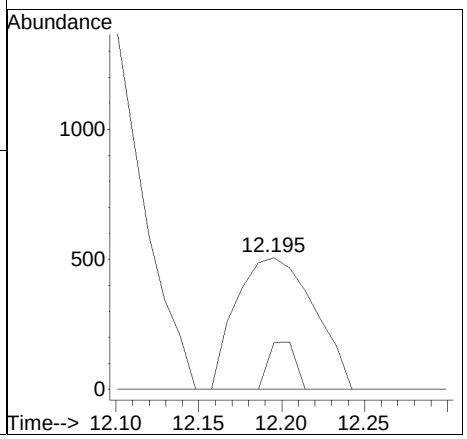


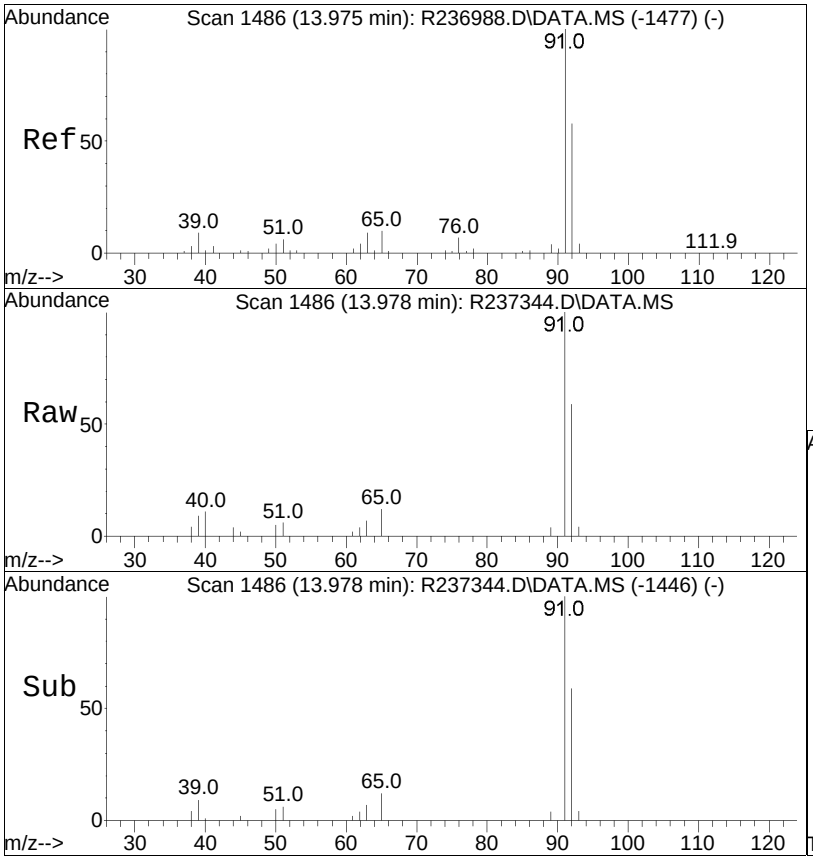


#62
heptane
Concen: 0.08 ppbV
RT: 12.195 min Scan# 1282
Delta R.T. -0.005 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 43 Resp: 1656

Ion	Ratio	Lower	Upper
43	100		
57	35.4	52.8	79.2#
100	0.0	26.8	40.2#

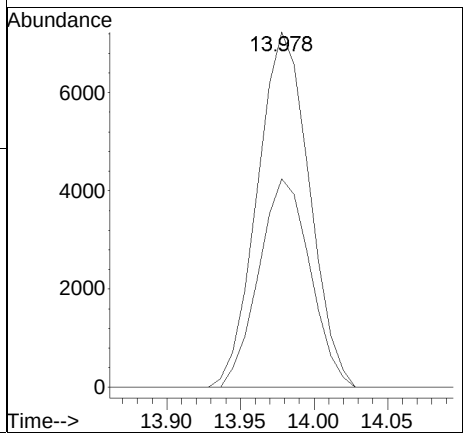


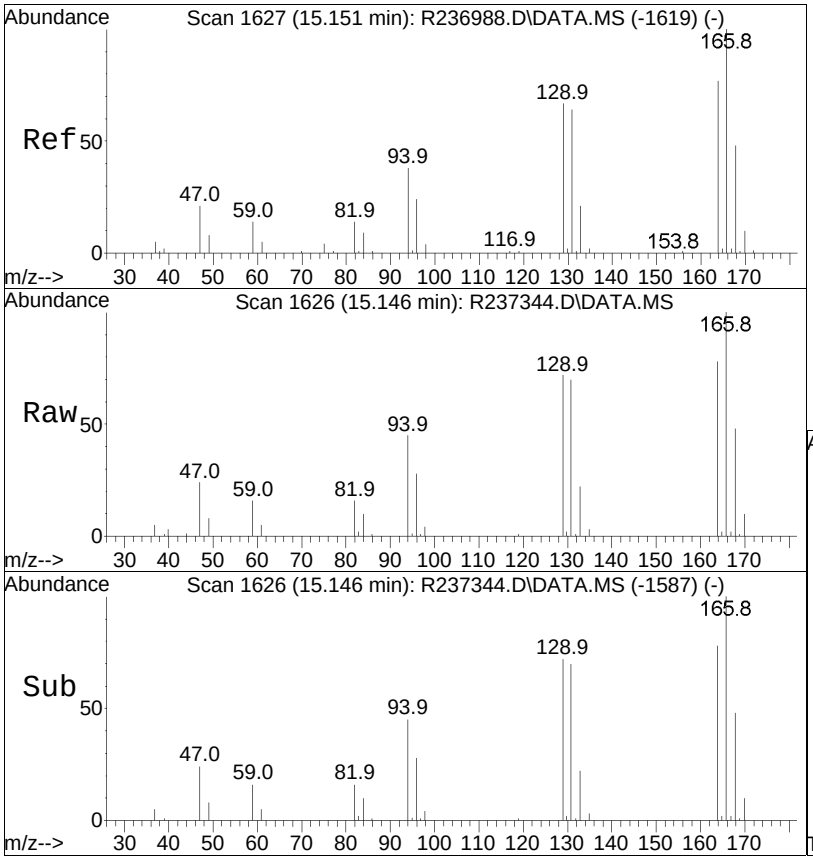


#68
toluene
Concen: 0.23 ppbV
RT: 13.978 min Scan# 1486
Delta R.T. 0.003 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 91 Resp: 17768

Ion	Ratio	Lower	Upper
91	100		
92	58.7	46.6	70.0

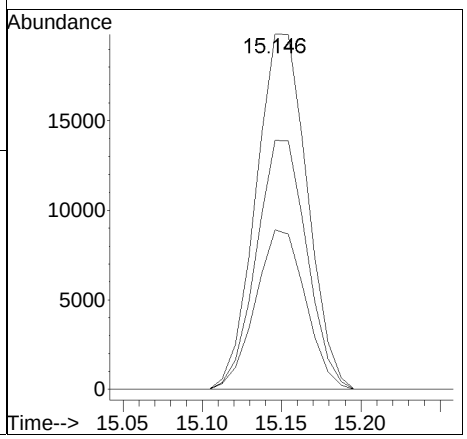


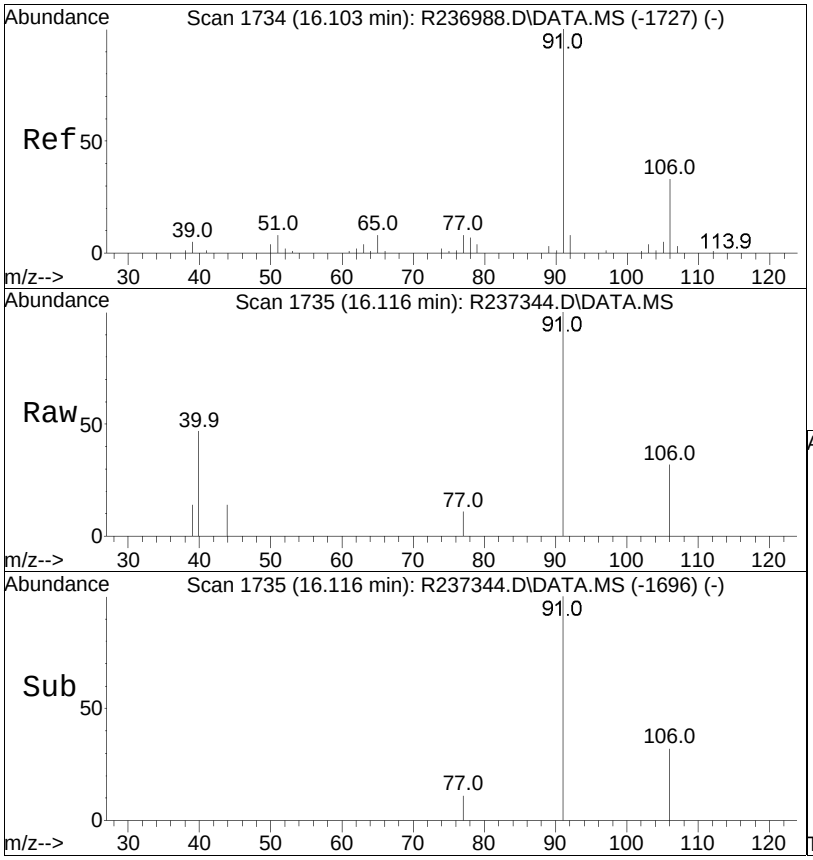


#78
tetrachloroethene
Concen: 0.94 ppbV
RT: 15.146 min Scan# 1626
Delta R.T. -0.005 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion:166 Resp: 44701

Ion	Ratio	Lower	Upper
166	100		
131	70.1	51.4	77.0
94	44.9	30.2	45.2

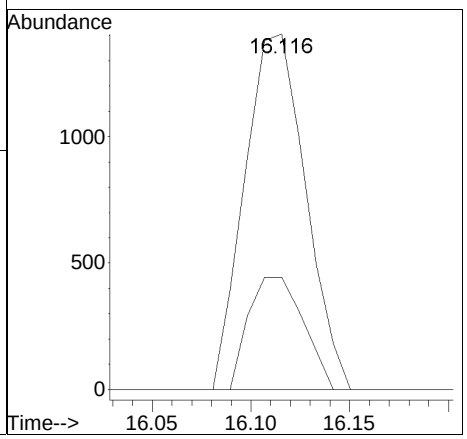


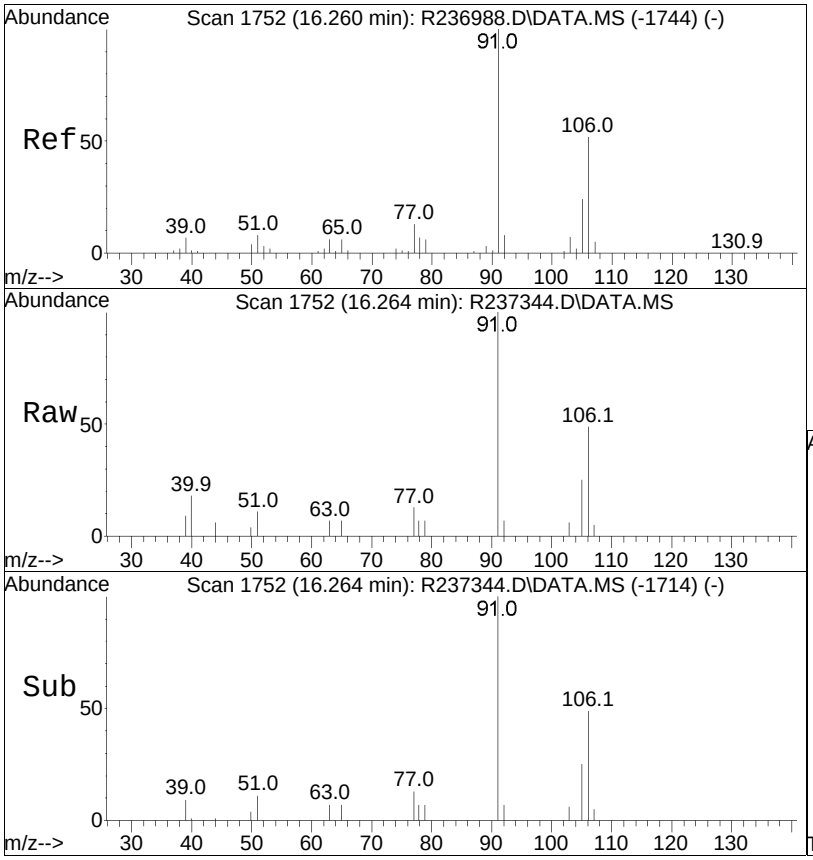


#81
ethylbenzene
Concen: 0.03 ppbV
RT: 16.116 min Scan# 1735
Delta R.T. 0.012 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 91 Resp: 3018

Ion	Ratio	Lower	Upper
91	100		
106	31.6	26.6	40.0

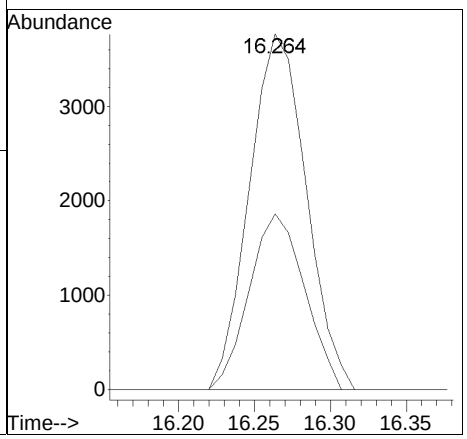


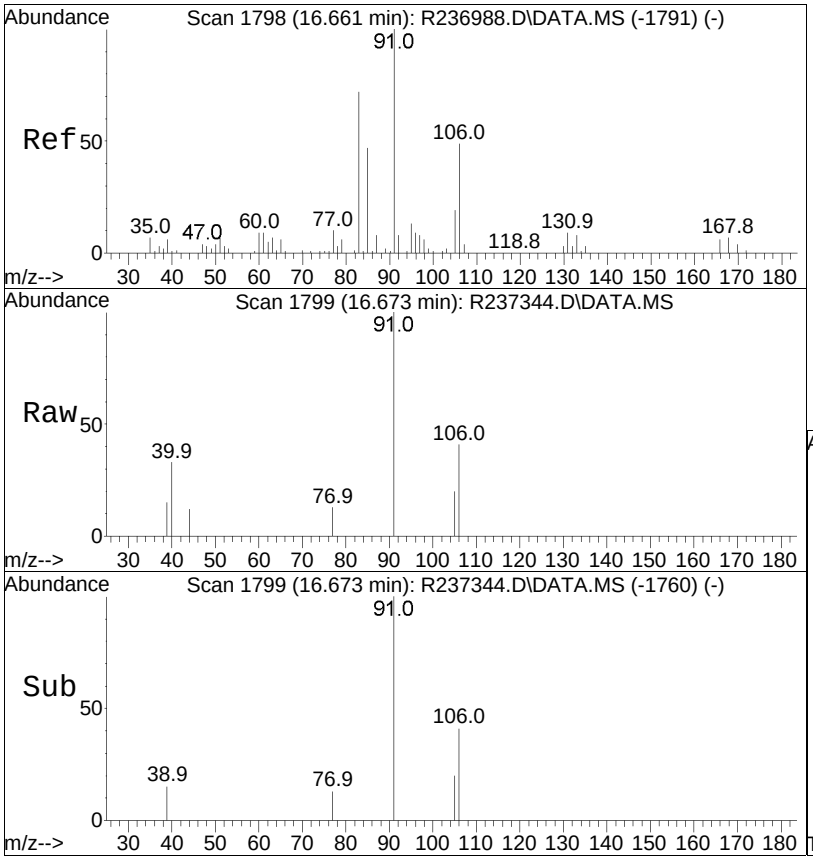


#83
m+p-xylene
Concen: 0.13 ppbV
RT: 16.264 min Scan# 1752
Delta R.T. 0.003 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 91 Resp: 9795

Ion	Ratio	Lower	Upper
91	100		
106	49.4	41.7	62.5

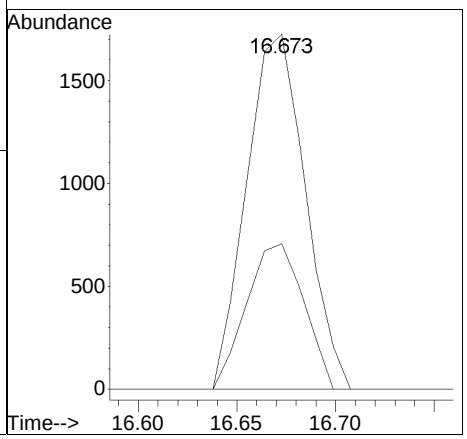


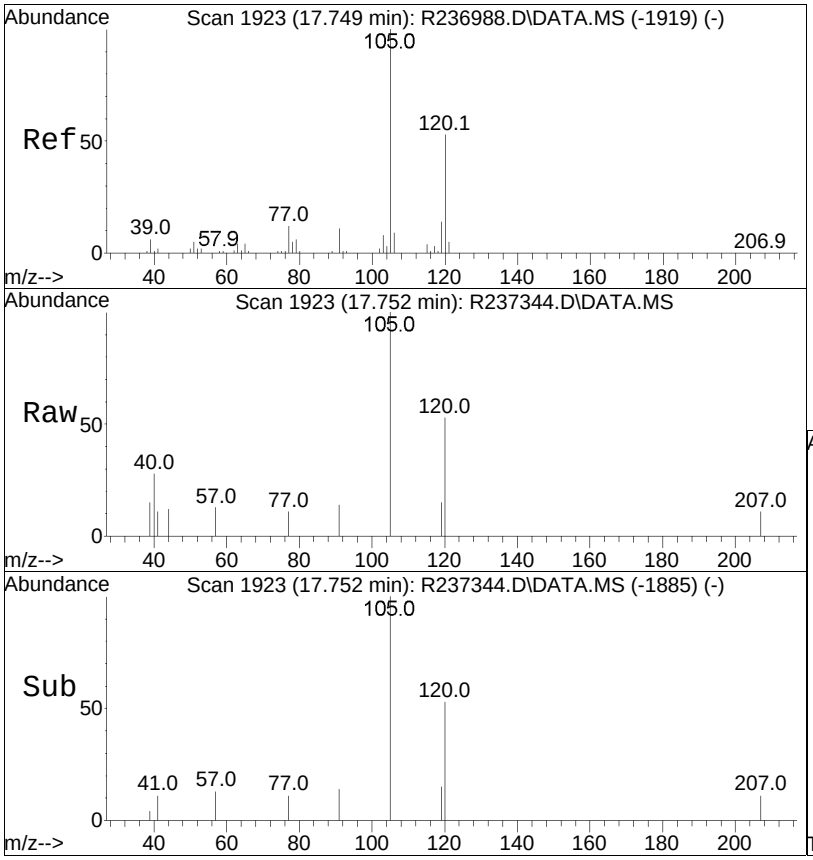


#87
o-xylene
Concen: 0.05 ppbV
RT: 16.673 min Scan# 1799
Delta R.T. 0.012 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion: 91 Resp: 3566

Ion	Ratio	Lower	Upper
91	100		
106	41.0	39.6	59.4

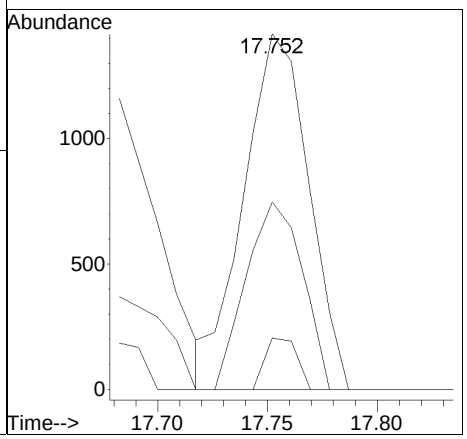


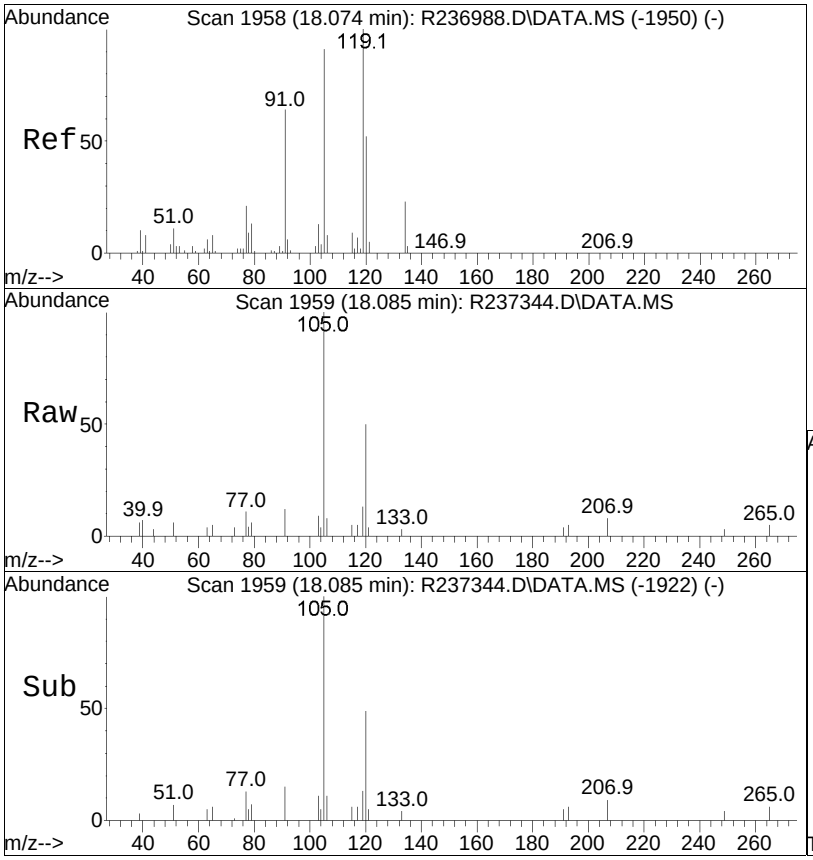


#97
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 17.752 min Scan# 1923
Delta R.T. 0.003 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion:105 Resp: 2917

Ion	Ratio	Lower	Upper
105	100		
120	52.8	40.7	61.1
91	14.5	8.5	12.7#

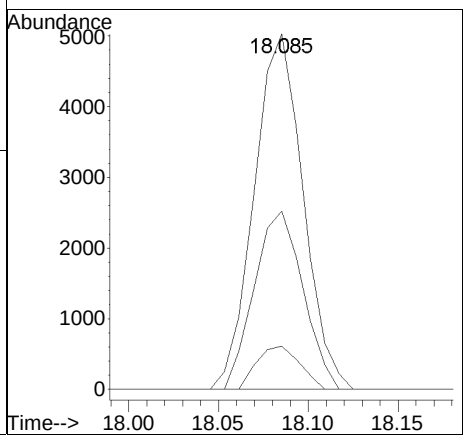




#99
1,2,4-trimethylbenzene
Concen: 0.11 ppbV
RT: 18.085 min Scan# 1959
Delta R.T. 0.011 min
Lab File: R237344.D
Acq: 18 Dec 2025 10:38 pm

Tgt Ion:105 Resp: 9544

Ion	Ratio	Lower	Upper
105	100		
120	50.2	45.9	68.9
91	12.2	56.2	84.2#

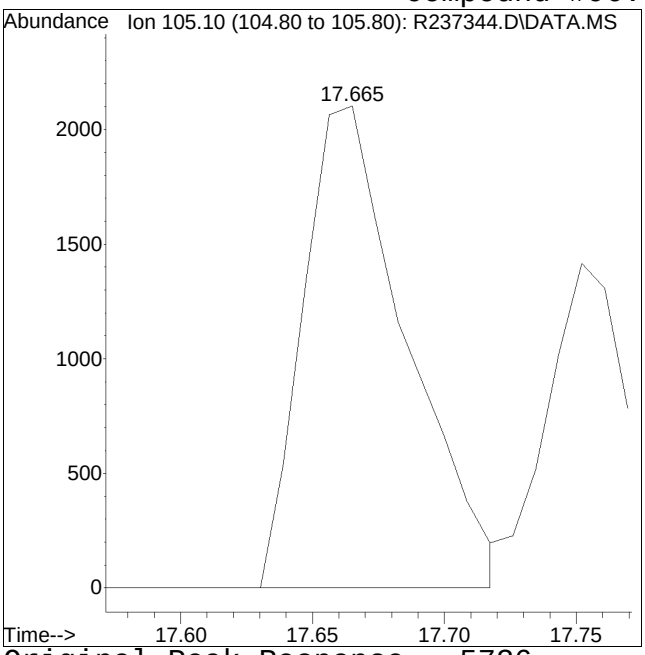


Manual Integration Report

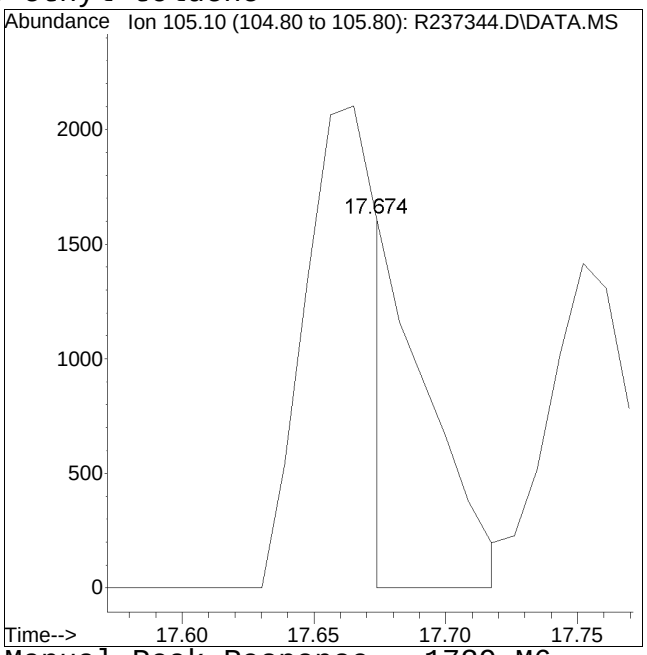
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237344.D
Date Inj'd : 12/18/2025 10:38 pm
Sample : L2577500-14D,3,16.25,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:13 am

Compound #96: 4-ethyl toluene



Original Peak Response = 5736



Manual Peak Response = 1729 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237345.D
Acq On : 18 Dec 2025 11:17 pm
Operator : AIRLAB23:TPH
Sample : L2577500-15,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 07:14:16 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.860	49	197174	10.000	ppbV		-0.01
Standard Area = 206017			Recovery =	95.71%			
43) 1,4-difluorobenzene	11.045	114	807790	10.000	ppbV		-0.02
Standard Area = 824395			Recovery =	97.99%			
67) chlorobenzene-D5	15.733	54	100793	10.000	ppbV		0.00
Standard Area = 102778			Recovery =	98.07%			
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.851	85	37107	0.696	ppbV		98
6) chloromethane	4.026	50	1436	0.097	ppbV		92
7) Freon-114	0.000		0	N.D.			
9) vinyl chloride	0.000		0	N.D.			
10) 1,3-butadiene	4.378	54	859	0.068	ppbV	#	79
13) bromomethane	0.000		0	N.D.			
14) chloroethane	4.840	64	1043	0.091	ppbV	#	81
15) ethanol	4.975	31	740538	97.411	ppbV	#	83
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.473	43	124641M6	6.473	ppbV		
21) trichlorofluoromethane	5.660	101	11267	0.198	ppbV		91
22) isopropyl alcohol	5.765	45	49055	2.420	ppbV	#	97
26) 1,1-dichloroethene	0.000		0	N.D.			
27) tertiary butyl alcohol	6.437	59	994	0.039	ppbV	#	64
28) methylene chloride	6.487	49	1927	0.113	ppbV		100
29) 3-chloropropene	0.000		0	N.D.	d		
30) carbon disulfide	6.796	76	78242	1.718	ppbV		95
31) Freon 113	6.790	101	3253	0.071	ppbV		99
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	0.000		0	N.D.			
34) MTBE	7.769		0	N.D.			
36) 2-butanone	8.202	43	8699	0.354	ppbV		98
37) cis-1,2-dichloroethene	8.680	61	1669	0.069	ppbV		94
38) Ethyl Acetate	8.958	61	160	0.035	ppbV	#	60
39) chloroform	9.006	83	10777	0.243	ppbV		96
40) Tetrahydrofuran	9.479		0	N.D.			
42) 1,2-dichloroethane	9.830		0	N.D.			
44) hexane	8.933	57	6902	0.321	ppbV	#	12

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237345.D
Acq On : 18 Dec 2025 11:17 pm
Operator : AIRLAB23:TPH
Sample : L2577500-15,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 07:14:16 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.123		0	N.D.		
50) benzene	10.630	78	26505	0.450	ppbV	97
52) carbon tetrachloride	10.809	117	4103	0.075	ppbV	94
53) cyclohexane	10.950	56	2814	0.131	ppbV	94
56) 1,2-dichloropropane	0.000		0	N.D.	d	
57) bromodichloromethane	11.789		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.836	130	9306	0.265	ppbV	94
60) 2,2,4-trimethylpentane	11.893	57	12606	0.190	ppbV	96
62) heptane	12.204	43	3165	0.155	ppbV #	85
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	13.970	91	127423	1.826	ppbV	100
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.146	166	158556	3.622	ppbV	97
80) chlorobenzene	15.794		0	N.D.		
81) ethylbenzene	16.107	91	52676	0.590	ppbV	98
83) m+p-xylene	16.255	91	184467	2.722	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.577	104	1958	0.037	ppbV #	90
86) 1,1,2,2-tetrachloroethane	16.656		0	N.D.		
87) o-xylene	16.664	91	69178	1.010	ppbV	99
96) 4-ethyl toluene	17.674	105	32837M6	0.365	ppbV	
97) 1,3,5-trimethylbenzene	17.744	105	60996	0.804	ppbV	99
99) 1,2,4-trimethylbenzene	18.077	105	194464M6	2.399	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.261		0	N.D.		
103) 1,4-dichlorobenzene	18.261		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.073	128	43276	0.394	ppbV	100
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\Airlab23\2025\12\1218T\
Data File : R237345.D
Acq On : 18 Dec 2025 11:17 pm
Operator : AIRLAB23:TPH
Sample : L2577500-15,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 07:14:16 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

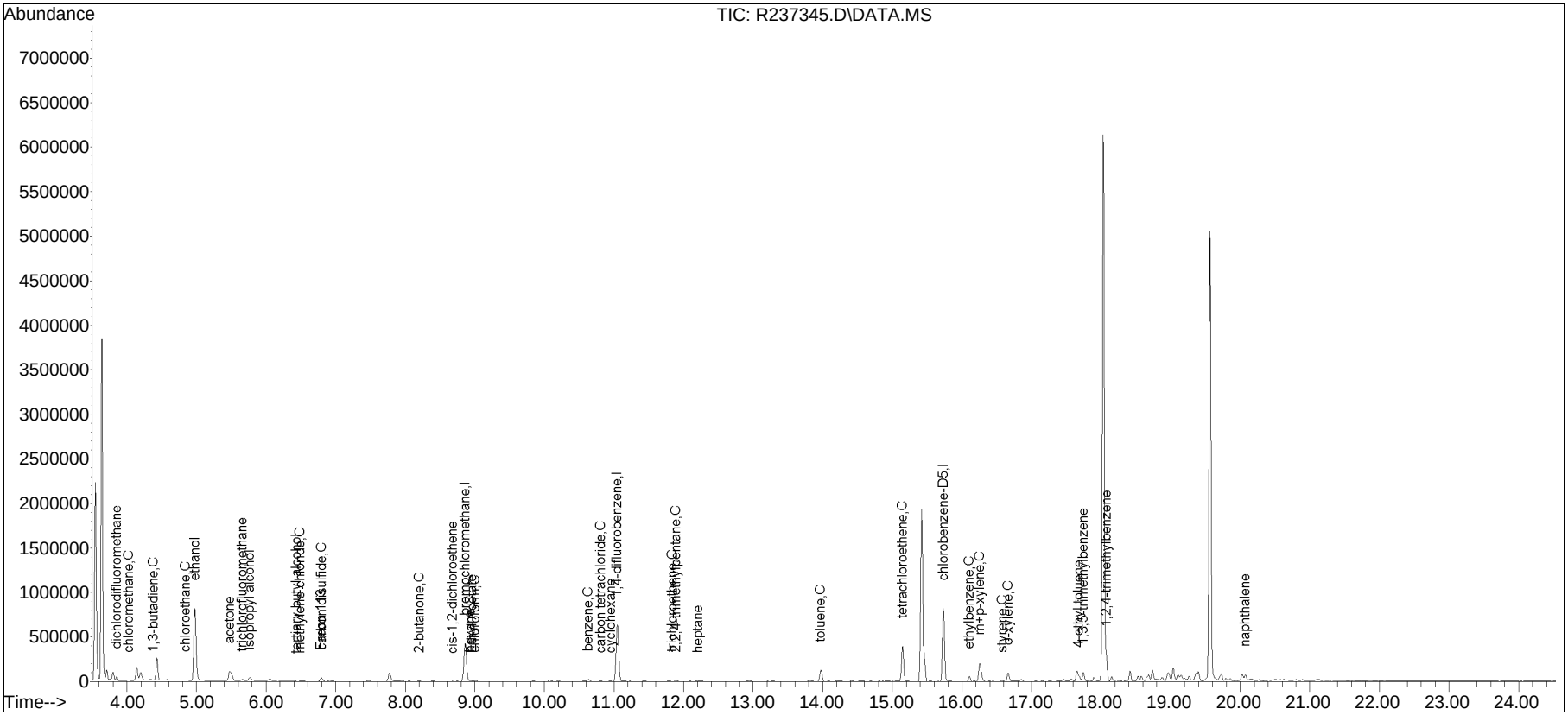
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

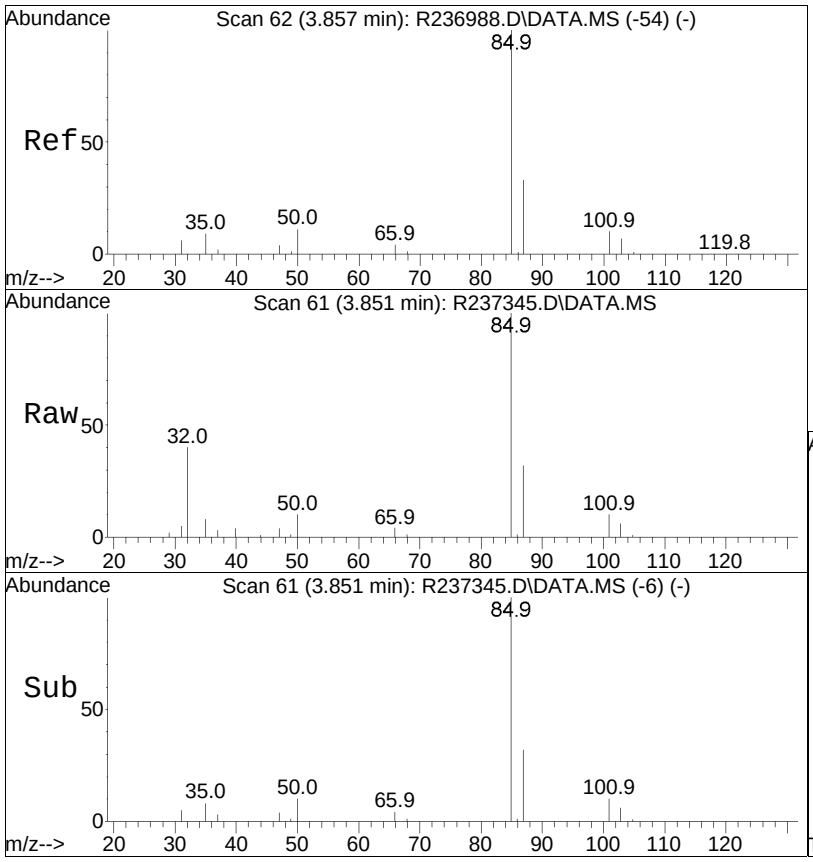
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237345.D
Acq On : 18 Dec 2025 11:17 pm
Operator : AIRLAB23:TPH
Sample : L2577500-15,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 19 07:14:16 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

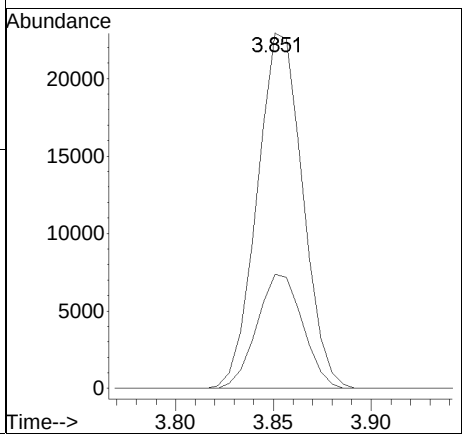


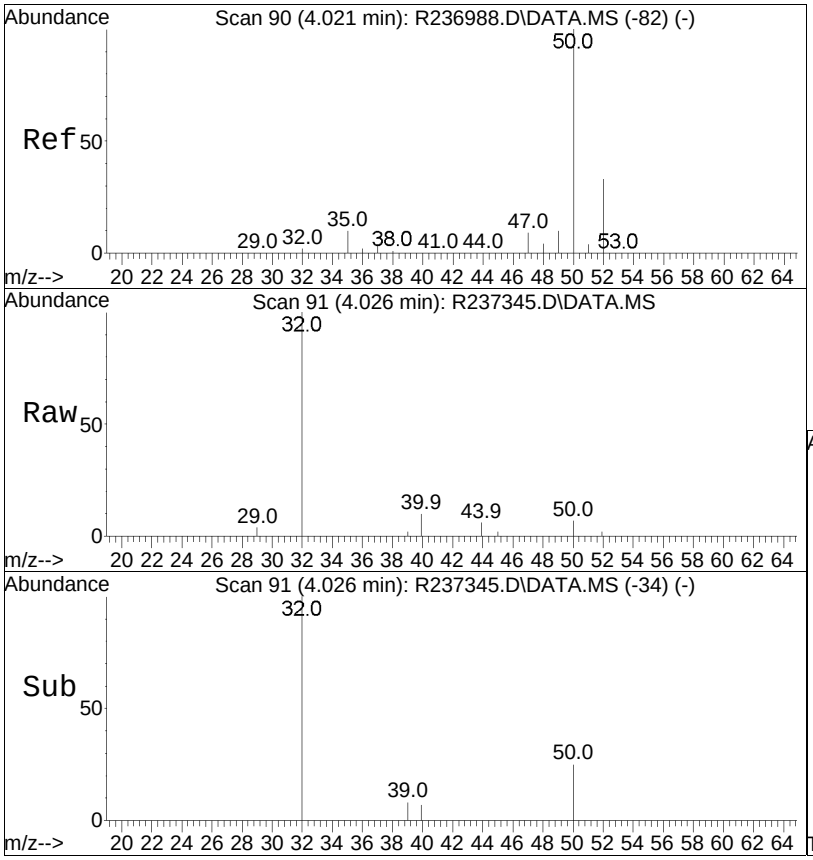


#5
dichlorodifluoromethane
Concen: 0.70 ppbV
RT: 3.851 min Scan# 61
Delta R.T. -0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 85 Resp: 37107

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.8	40.2

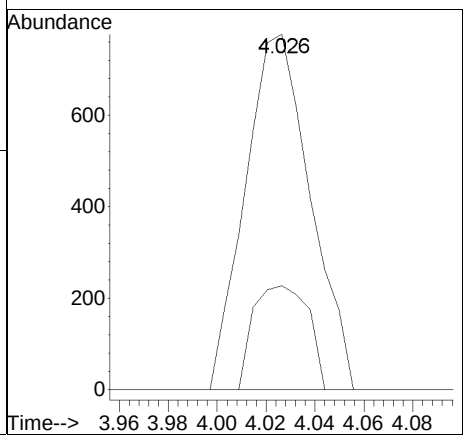


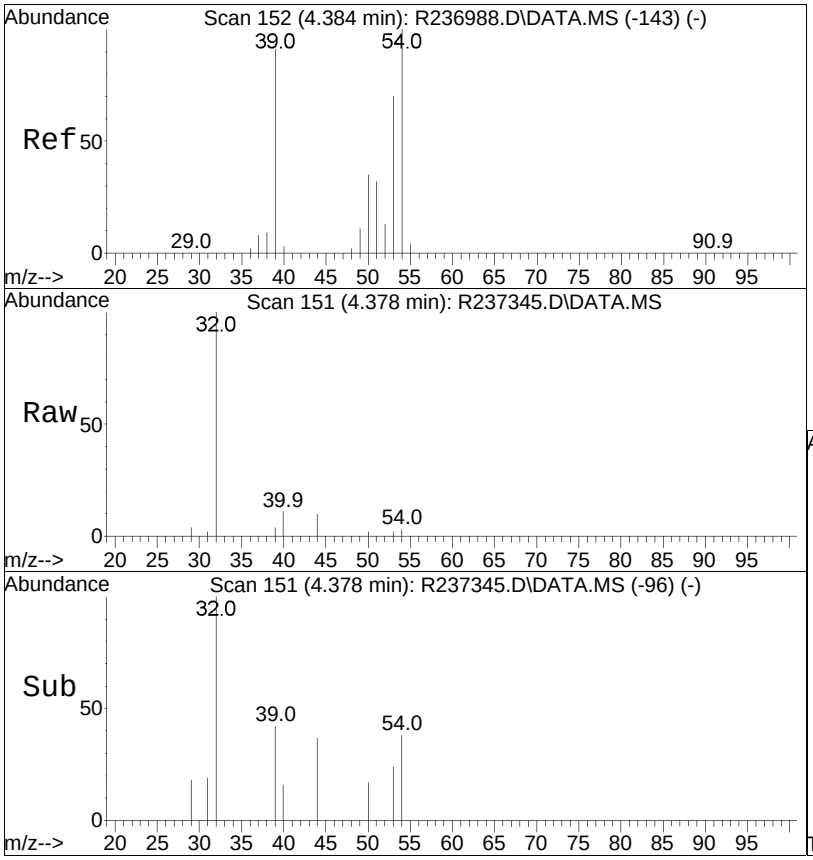


#6
chloromethane
Concen: 0.10 ppbV
RT: 4.026 min Scan# 91
Delta R.T. 0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 50 Resp: 1436

Ion	Ratio	Lower	Upper
50	100		
52	29.2	26.8	40.2

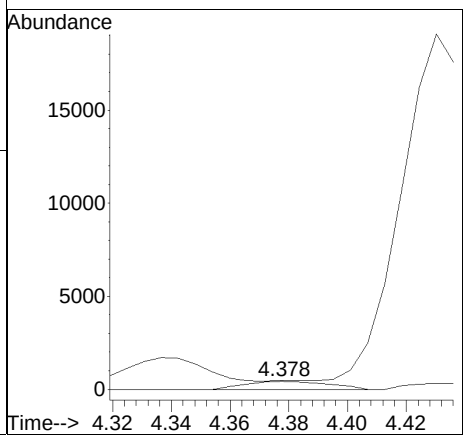


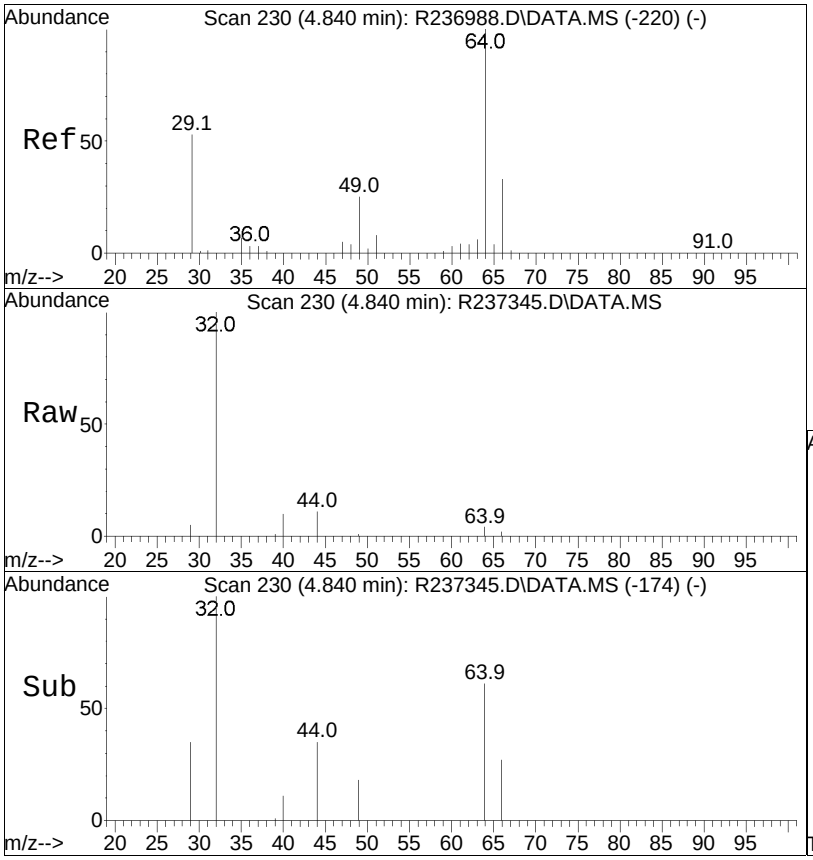


#10
1,3-butadiene
Concen: 0.07 ppbV
RT: 4.378 min Scan# 151
Delta R.T. -0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 54 Resp: 859

Ion	Ratio	Lower	Upper
54	100		
39	111.3	73.1	109.7#

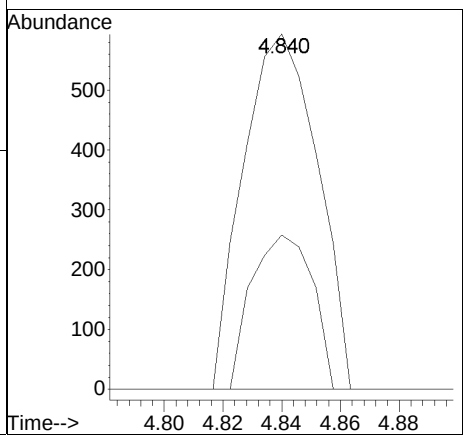


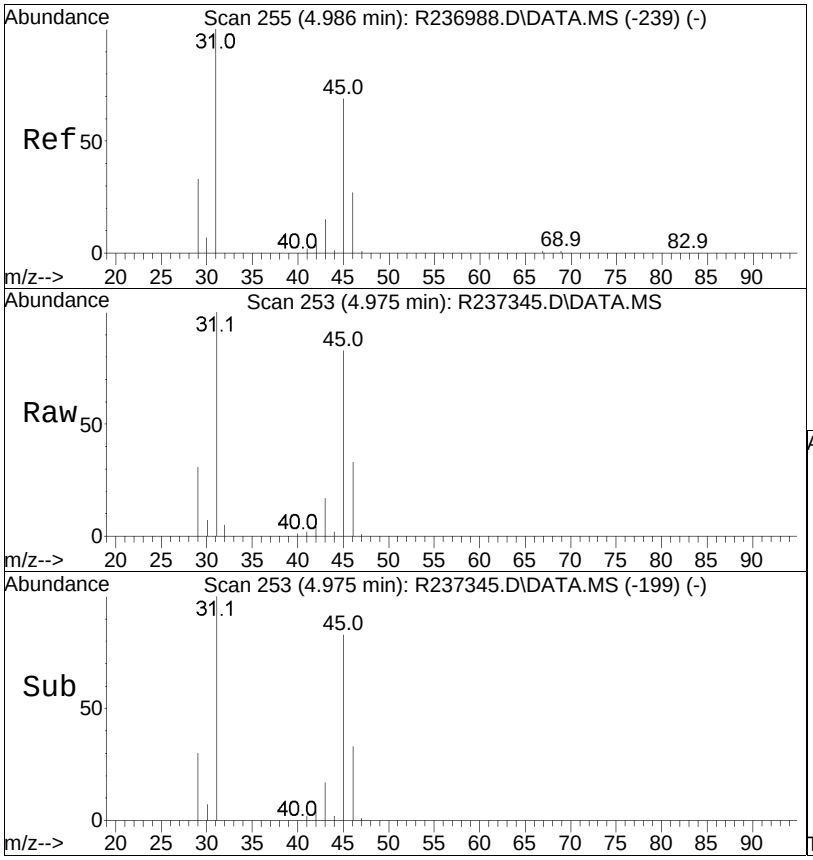


#14
chloroethane
Concen: 0.09 ppbV
RT: 4.840 min Scan# 230
Delta R.T. -0.000 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 64 Resp: 1043

Ion	Ratio	Lower	Upper
64	100		
66	43.4	26.0	39.0#

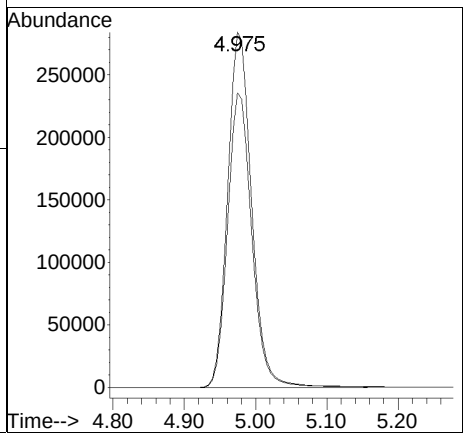


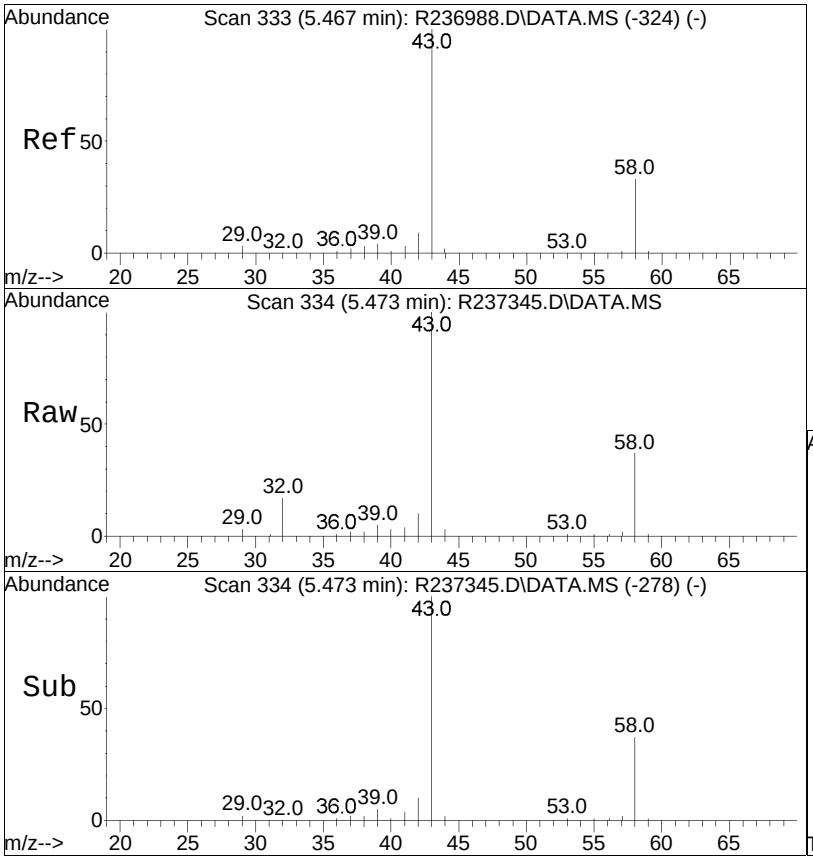


#15
ethanol
Concen: 97.41 ppbV
RT: 4.975 min Scan# 253
Delta R.T. -0.012 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 31 Resp: 740538

Ion	Ratio	Lower	Upper
31	100		
45	83.0	55.0	82.6#

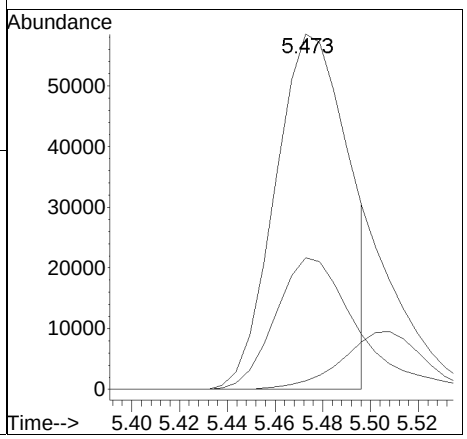


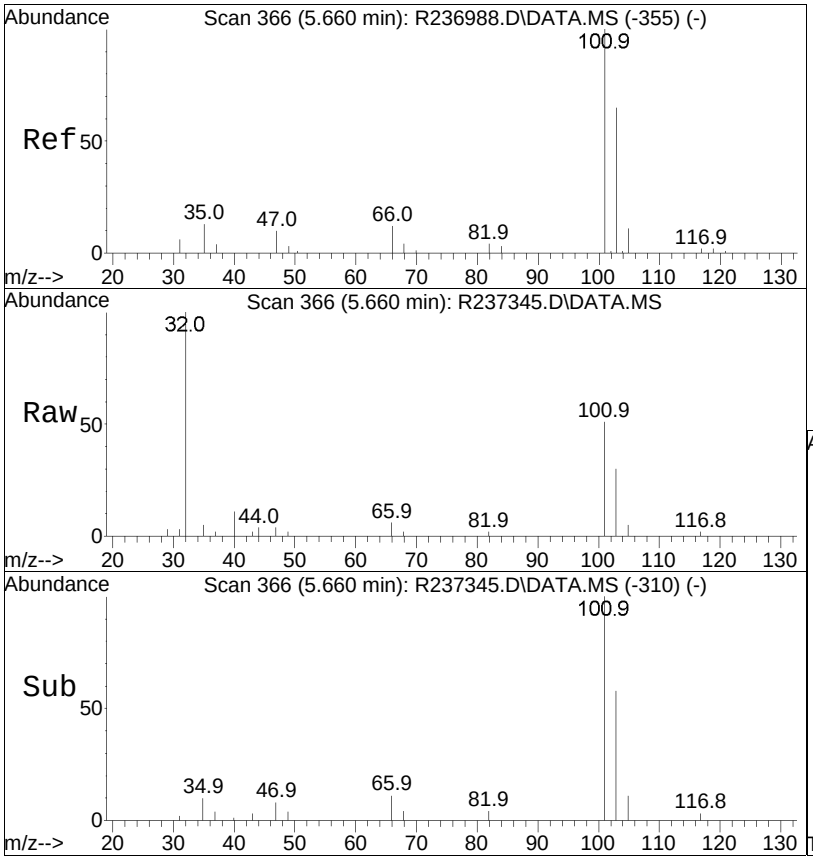


#19
acetone
Concen: 6.47 ppbV m
RT: 5.473 min Scan# 334
Delta R.T. 0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 43 Resp: 124641

Ion	Ratio	Lower	Upper
43	100		
58	37.0	26.2	39.4
57	2.4	0.7	1.1#

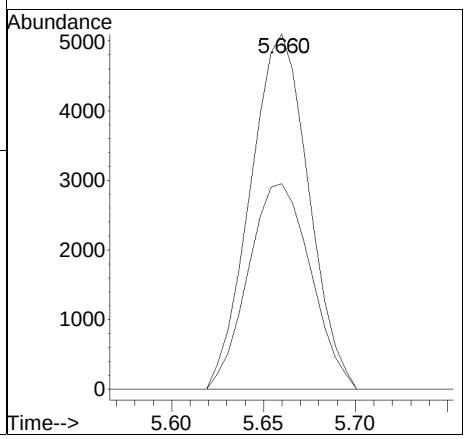


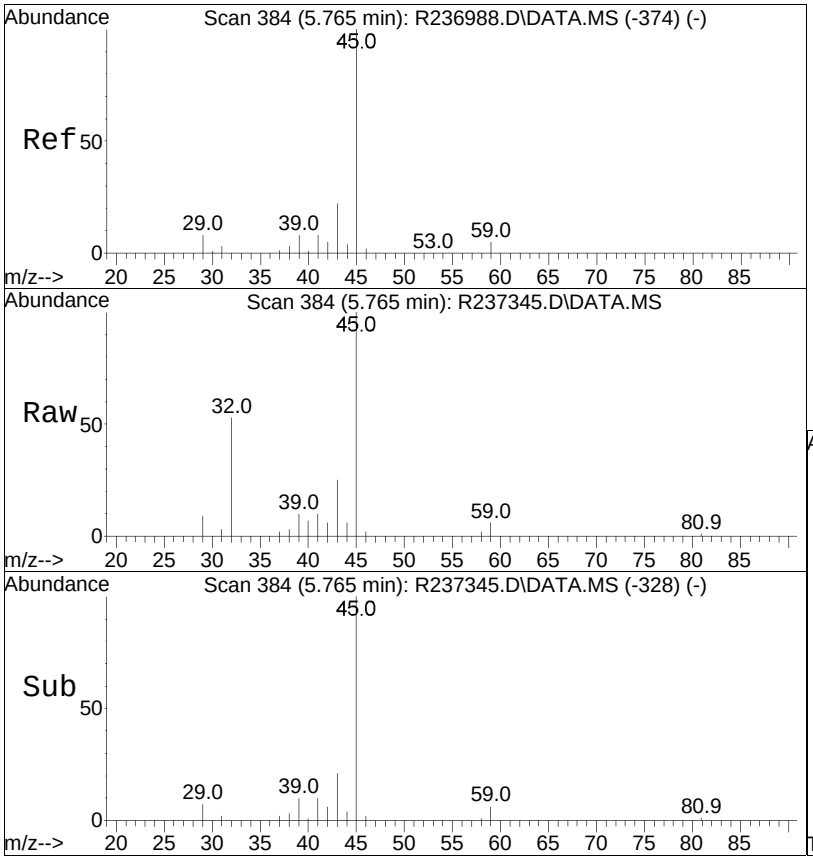


#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.660 min Scan# 366
Delta R.T. -0.000 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:101 Resp: 11267

Ion	Ratio	Lower	Upper
101	100		
103	57.9	52.1	78.1

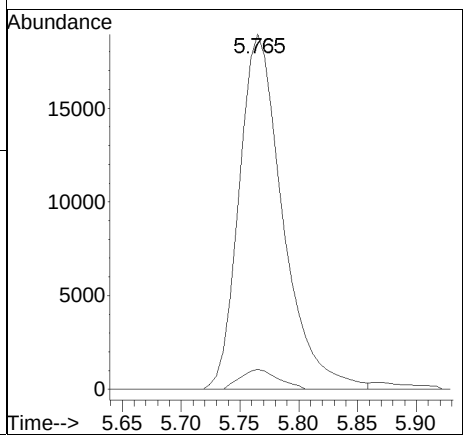


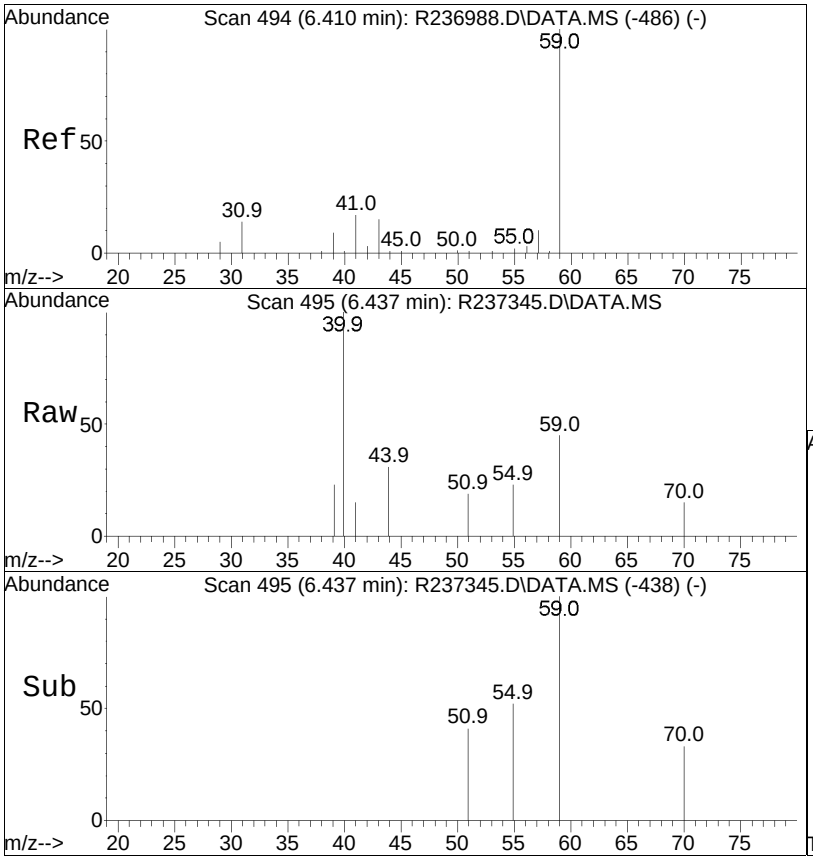


#22
isopropyl alcohol
Concen: 2.42 ppbV
RT: 5.765 min Scan# 384
Delta R.T. -0.000 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 45 Resp: 49055

Ion	Ratio	Lower	Upper
45	100		
59	5.7	3.8	5.6#

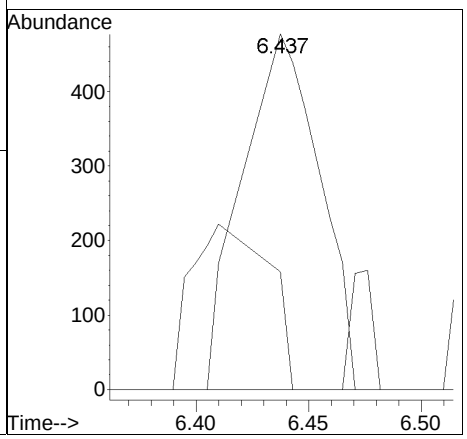


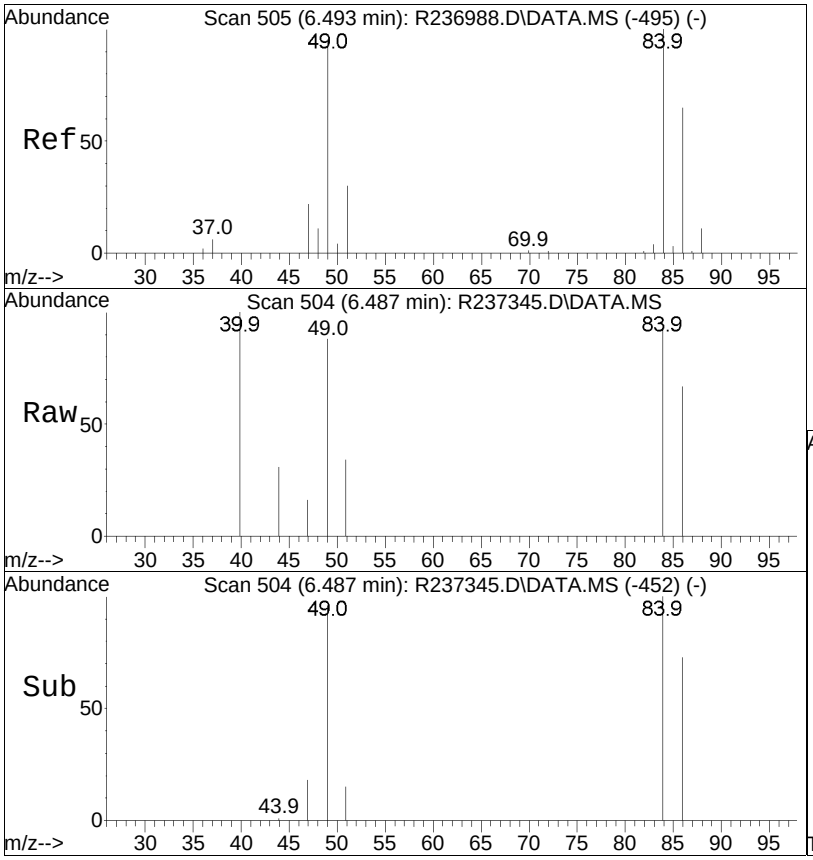


#27
tertiary butyl alcohol
Concen: 0.04 ppbV
RT: 6.437 min Scan# 495
Delta R.T. 0.027 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 59 Resp: 994

Ion	Ratio	Lower	Upper
59	100		
41	33.1	13.6	20.4#
43	0.0	11.7	17.5#

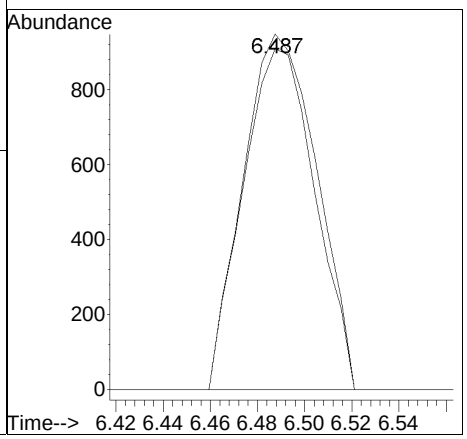


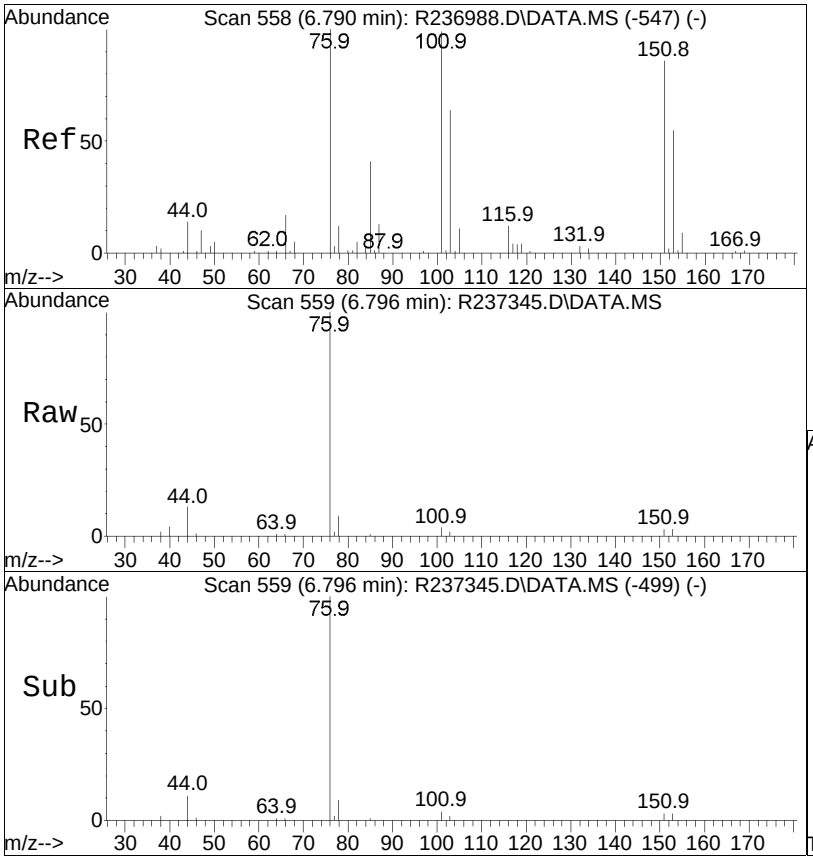


#28
methylene chloride
Concen: 0.11 ppbV
RT: 6.487 min Scan# 504
Delta R.T. -0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 49 Resp: 1927

Ion	Ratio	Lower	Upper
49	100		
84	104.3	83.7	125.5

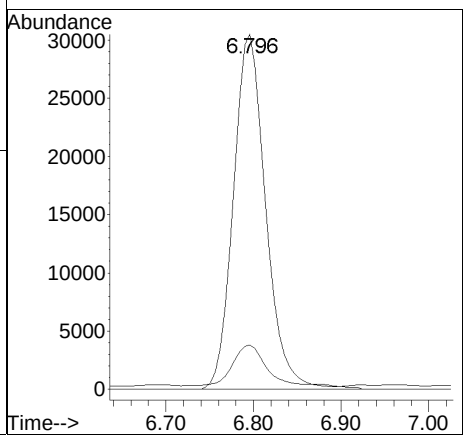


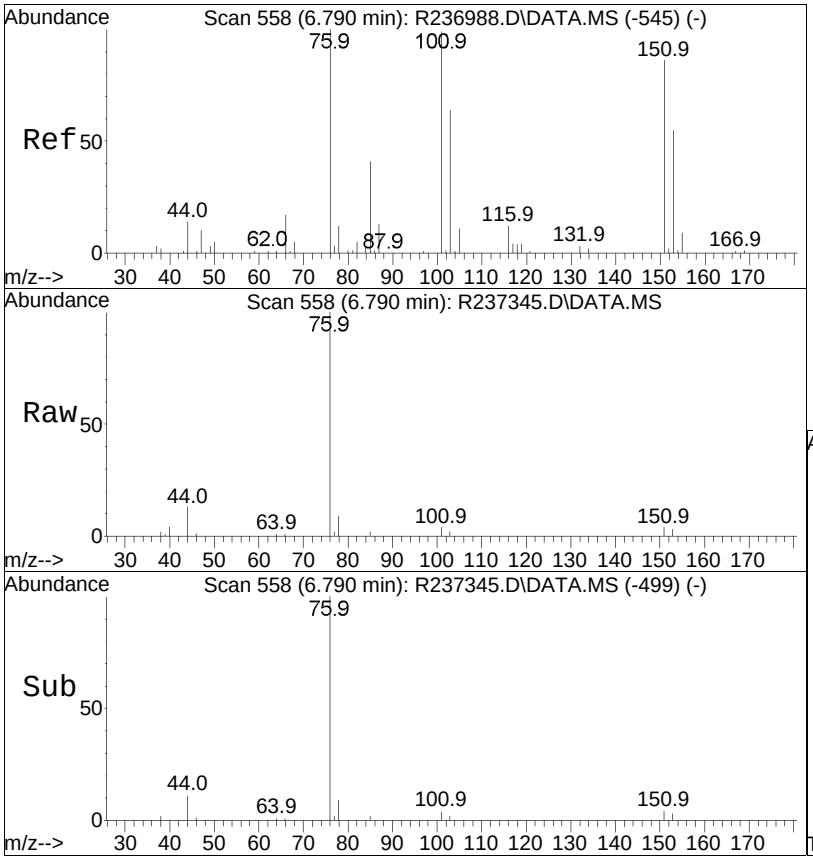


#30
carbon disulfide
Concen: 1.72 ppbV
RT: 6.796 min Scan# 559
Delta R.T. 0.005 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 76 Resp: 78242

Ion	Ratio	Lower	Upper
76	100		
44	12.5	11.5	17.3

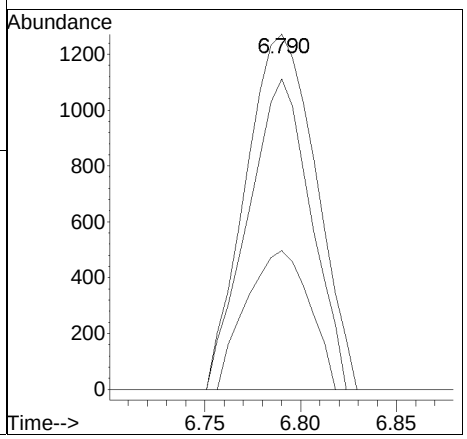


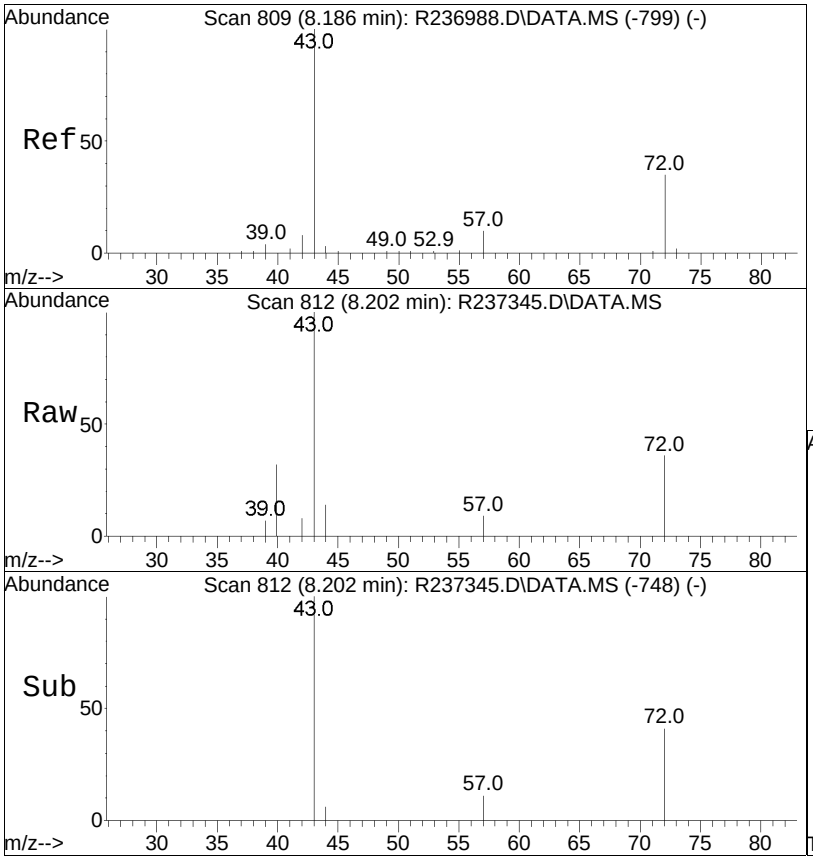


#31
Freon 113
Concen: 0.07 ppbV
RT: 6.790 min Scan# 558
Delta R.T. -0.000 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:101 Resp: 3253

Ion	Ratio	Lower	Upper
101	100		
85	39.1	33.0	49.6
151	87.3	69.8	104.8

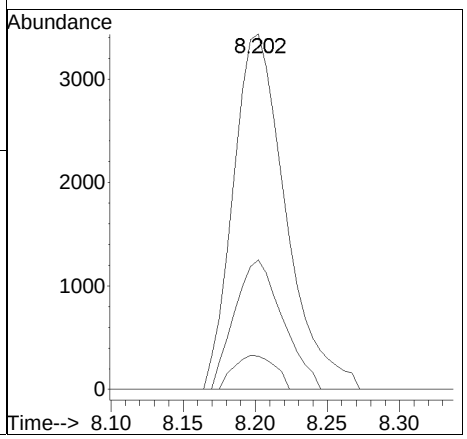


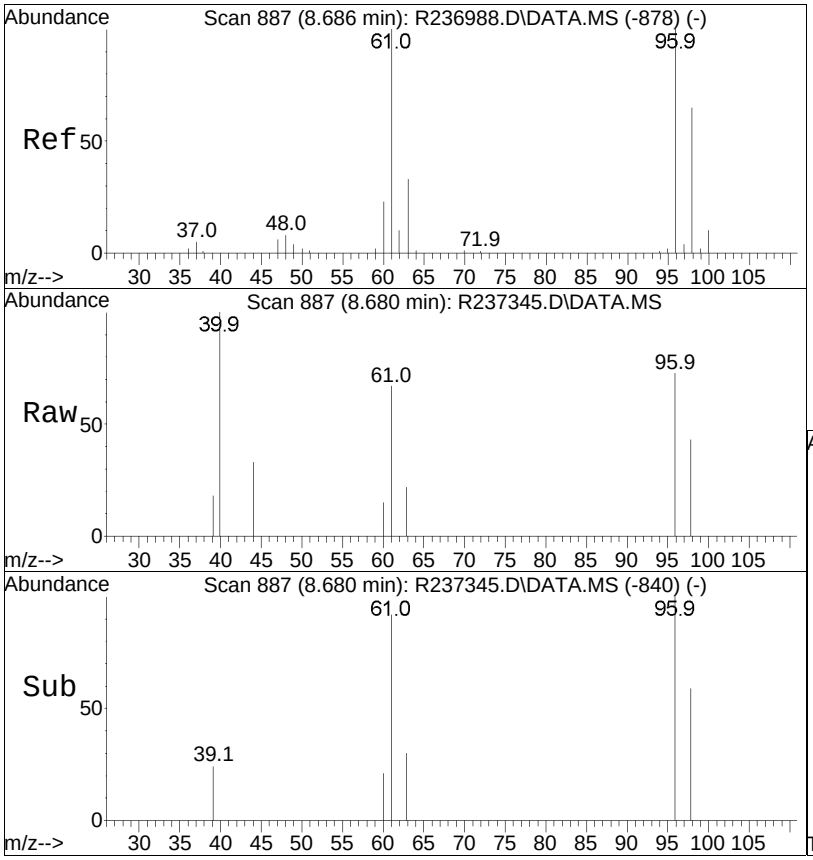


#36
2-butanone
Concen: 0.35 ppbV
RT: 8.202 min Scan# 812
Delta R.T. 0.016 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 43 Resp: 8699

Ion	Ratio	Lower	Upper
43	100		
72	36.4	27.8	41.6
57	9.4	7.7	11.5

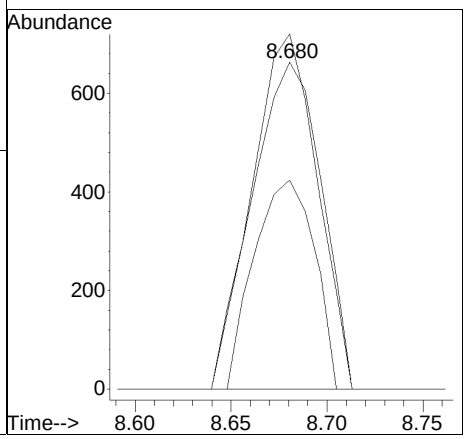


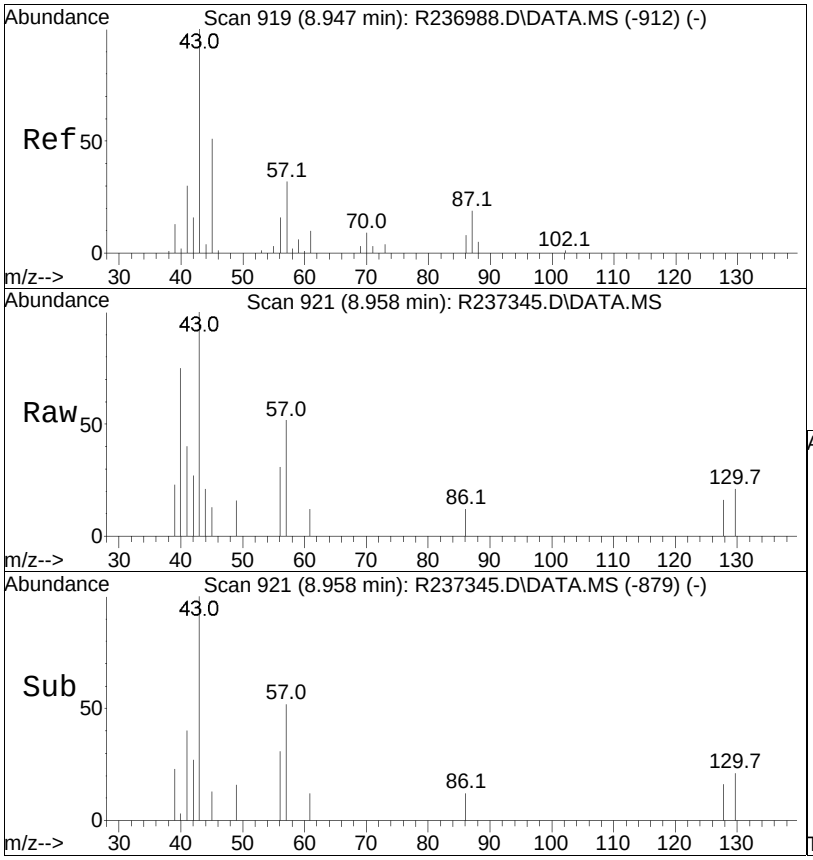


#37
cis-1,2-dichloroethene
Concen: 0.07 ppbV
RT: 8.680 min Scan# 887
Delta R.T. -0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 61 Resp: 1669

Ion	Ratio	Lower	Upper
61	100		
96	108.6	80.2	120.2
98	64.0	51.9	77.9

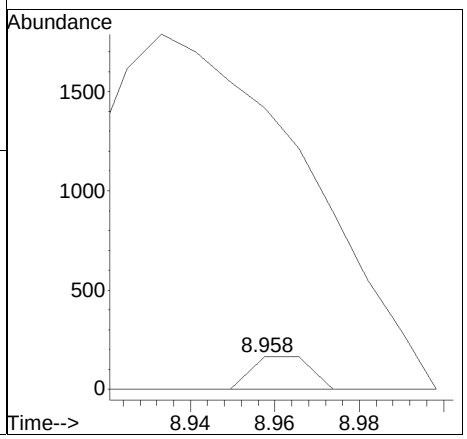


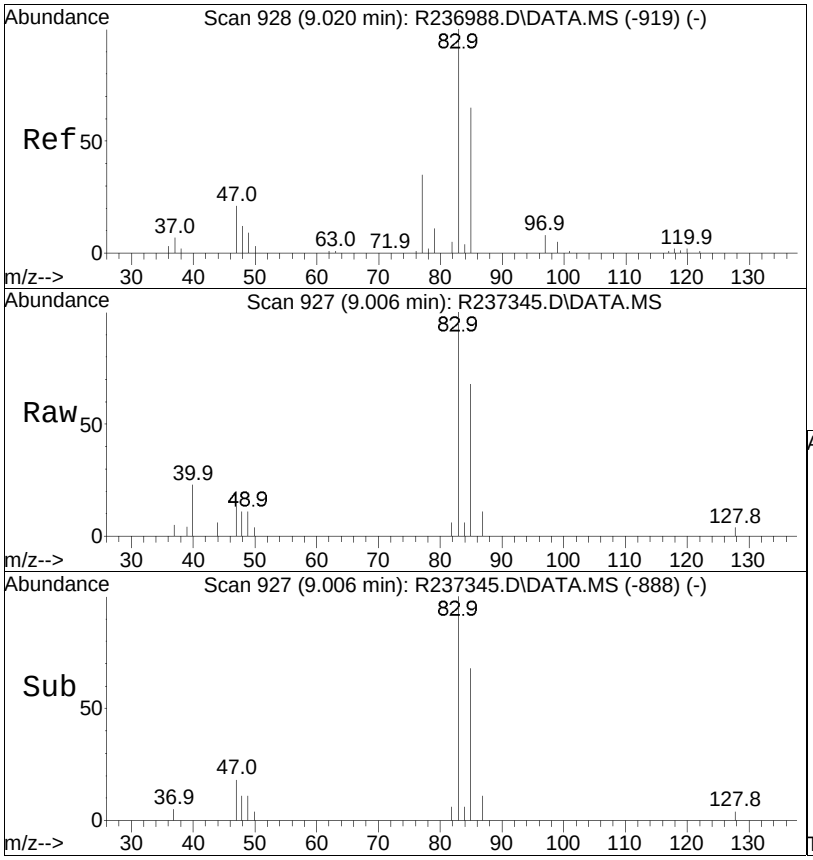


#38
Ethyl Acetate
Concen: 0.03 ppbV
RT: 8.958 min Scan# 921
Delta R.T. 0.011 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 61 Resp: 160

Ion	Ratio	Lower	Upper
61	100		
70	0.0	72.2	108.2#
43	865.2	818.1	1227.1

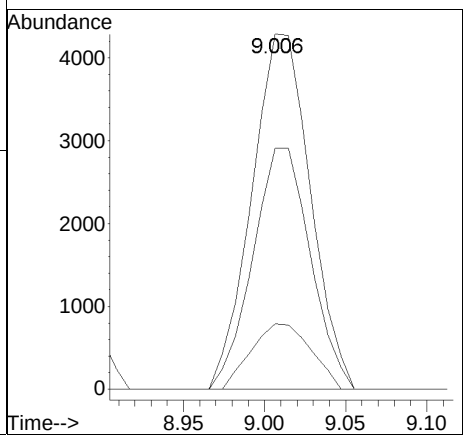


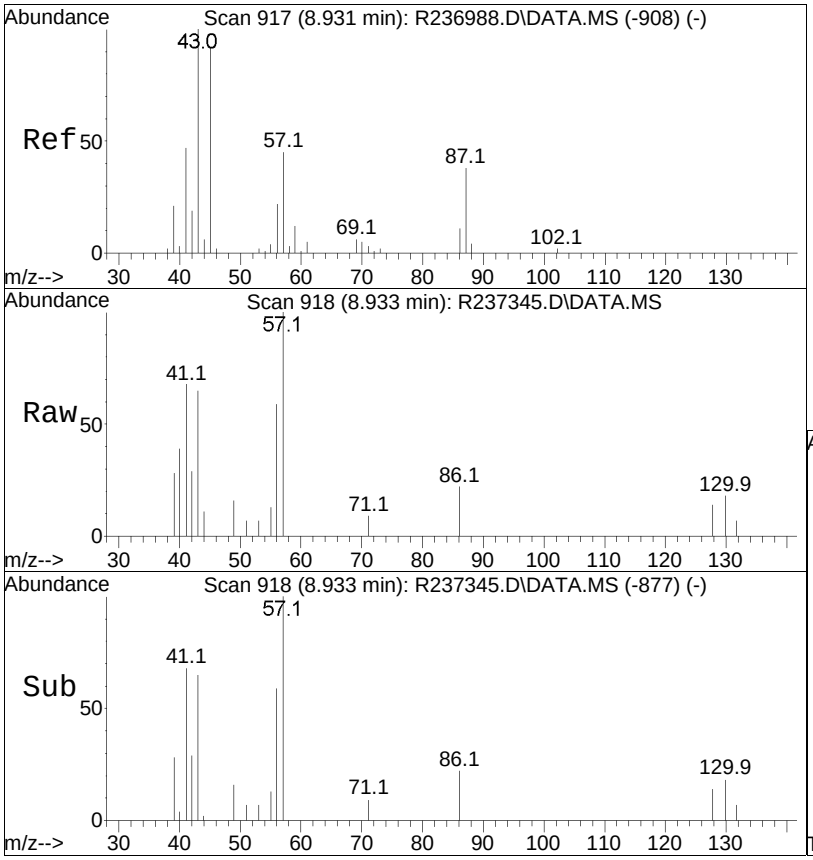


#39
chloroform
Concen: 0.24 ppbV
RT: 9.006 min Scan# 927
Delta R.T. -0.014 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 83 Resp: 10777

Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.3	78.5
47	18.4	17.1	25.7

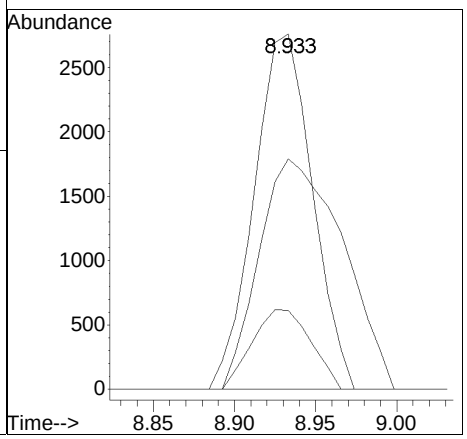


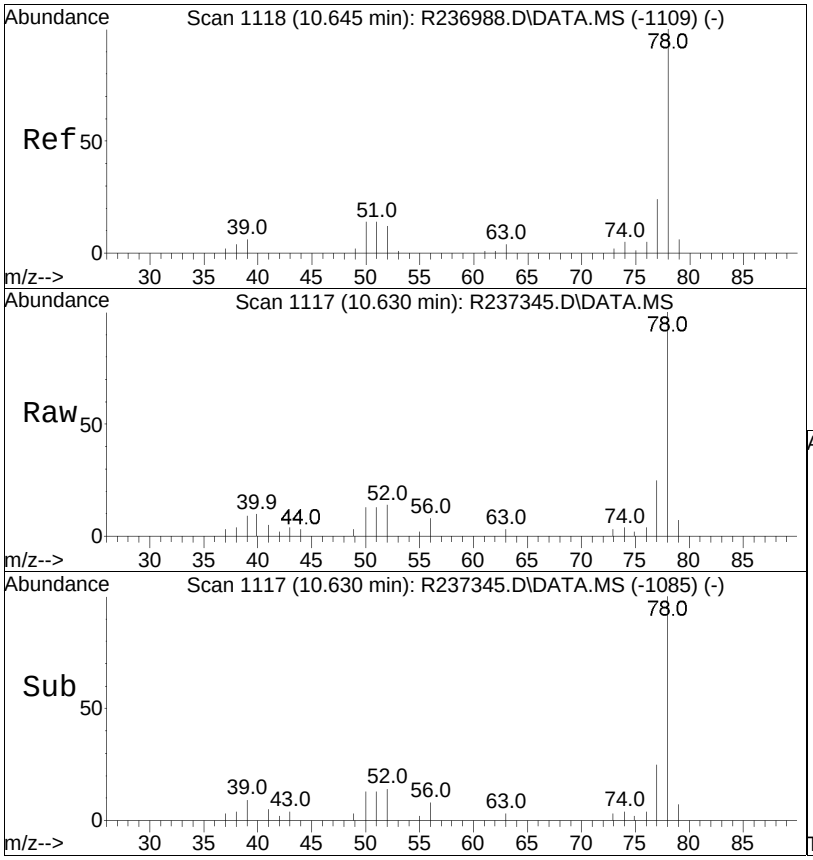


#44
hexane
Concen: 0.32 ppbV
RT: 8.933 min Scan# 918
Delta R.T. 0.002 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 57 Resp: 6902

Ion	Ratio	Lower	Upper
57	100		
43	64.9	177.1	265.7#
86	22.2	18.6	28.0

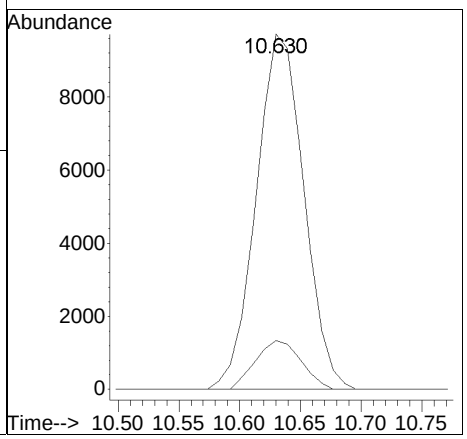


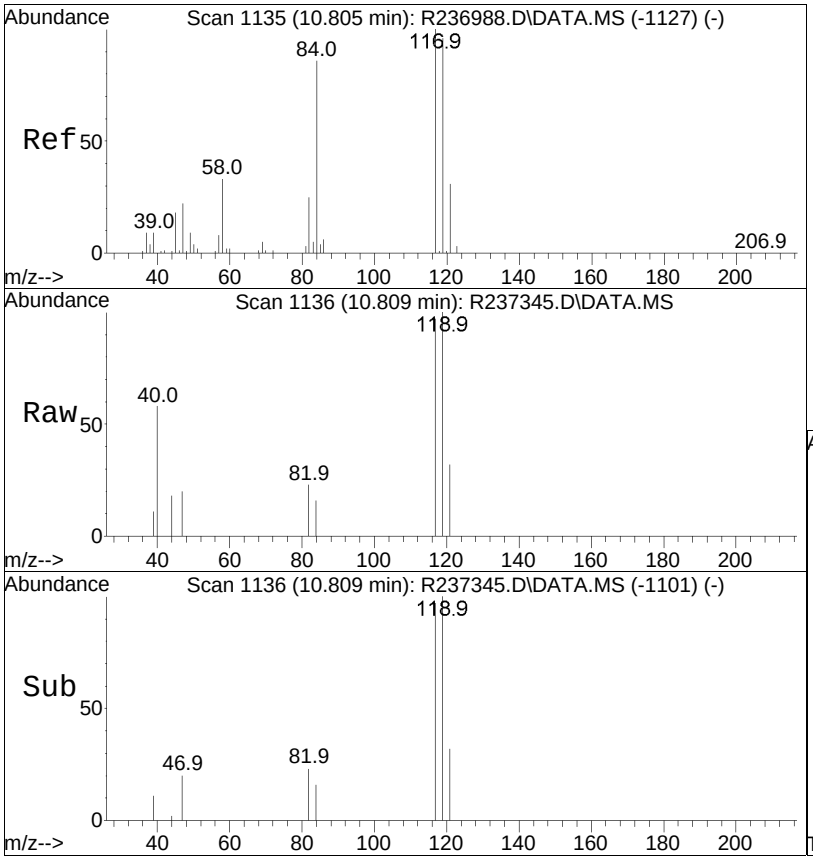


#50
benzene
Concen: 0.45 ppbV
RT: 10.630 min Scan# 1117
Delta R.T. -0.015 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 78 Resp: 26505

Ion	Ratio	Lower	Upper
78	100		
52	13.7	9.9	14.9

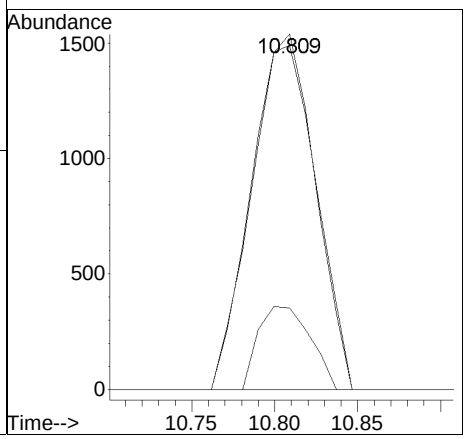


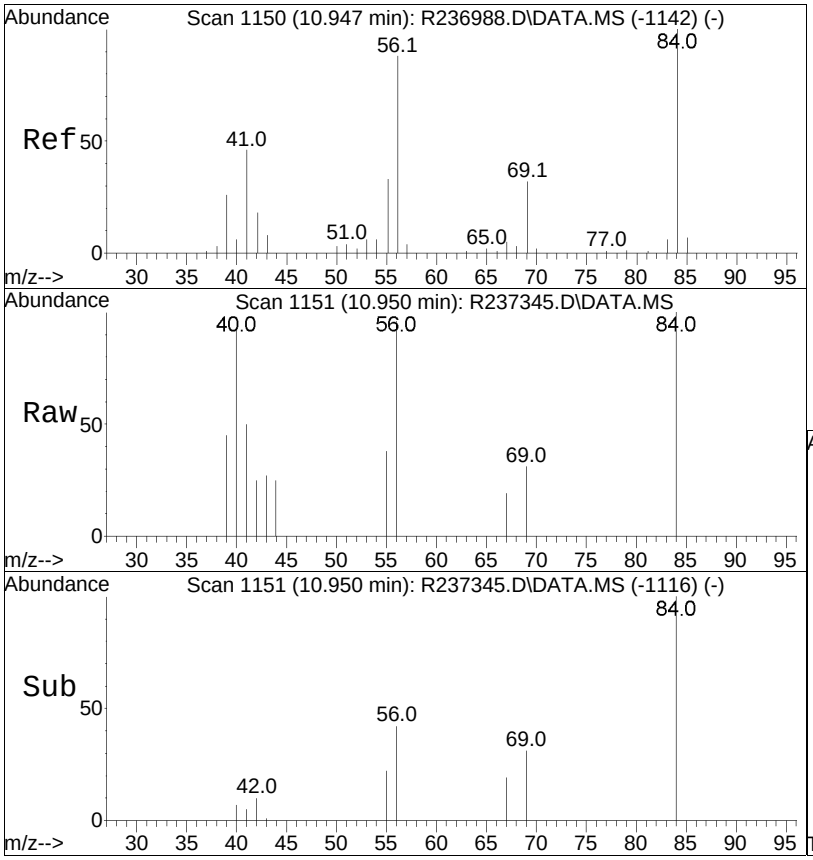


#52
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.809 min Scan# 1136
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:117 Resp: 4103

Ion	Ratio	Lower	Upper
117	100		
119	103.2	76.9	115.3
82	23.7	20.0	30.0

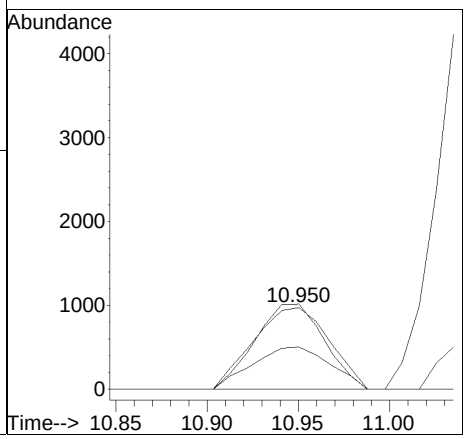


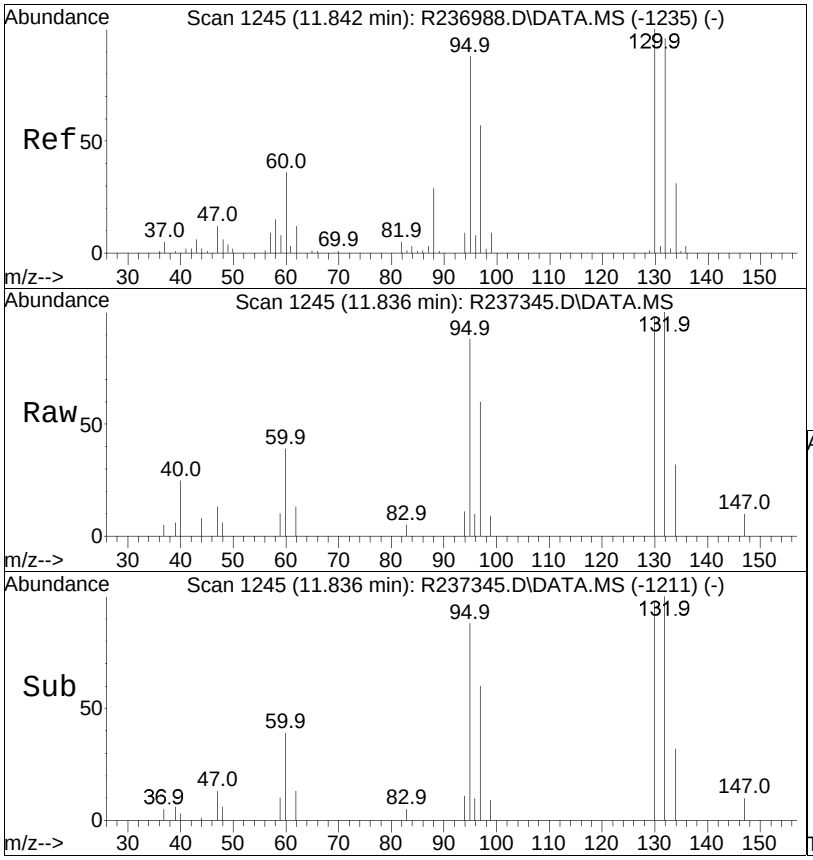


#53
cyclohexane
Concen: 0.13 ppbV
RT: 10.950 min Scan# 1151
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 56 Resp: 2814

Ion	Ratio	Lower	Upper
56	100		
84	104.4	91.1	136.7
41	51.8	42.2	63.2

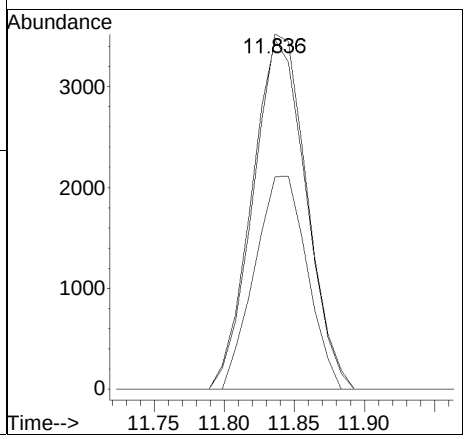


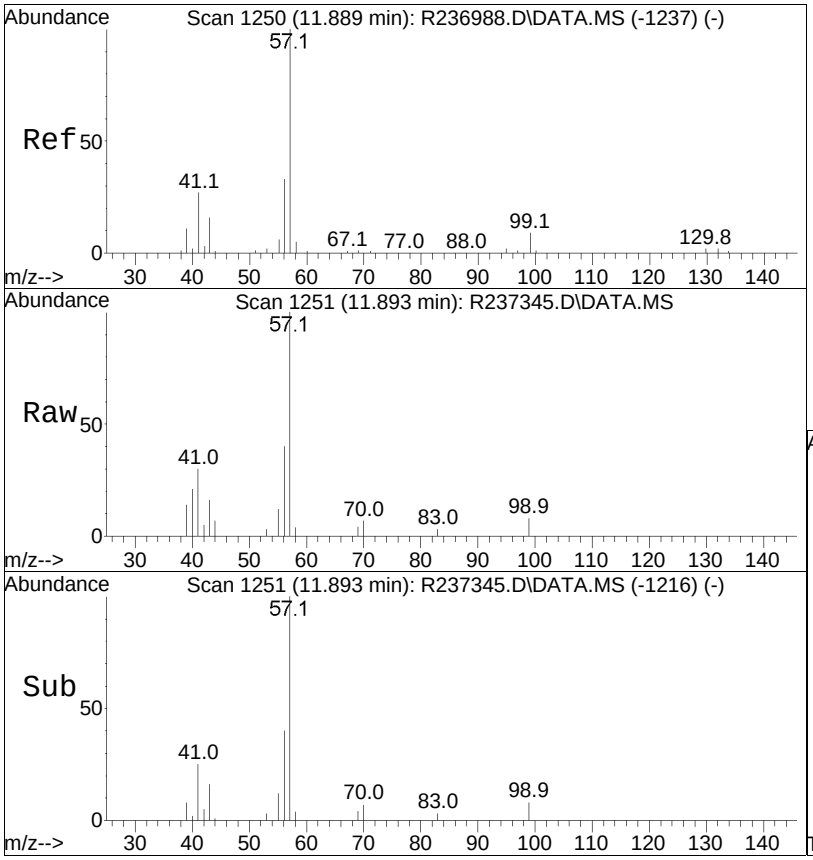


#59
trichloroethene
Concen: 0.26 ppbV
RT: 11.836 min Scan# 1245
Delta R.T. -0.006 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:130 Resp: 9306

Ion	Ratio	Lower	Upper
130	100		
132	101.6	76.7	115.1
97	60.8	45.7	68.5

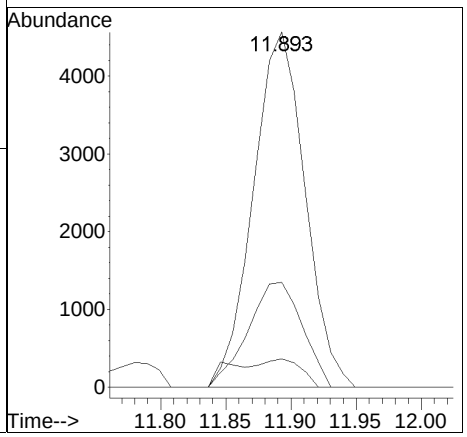


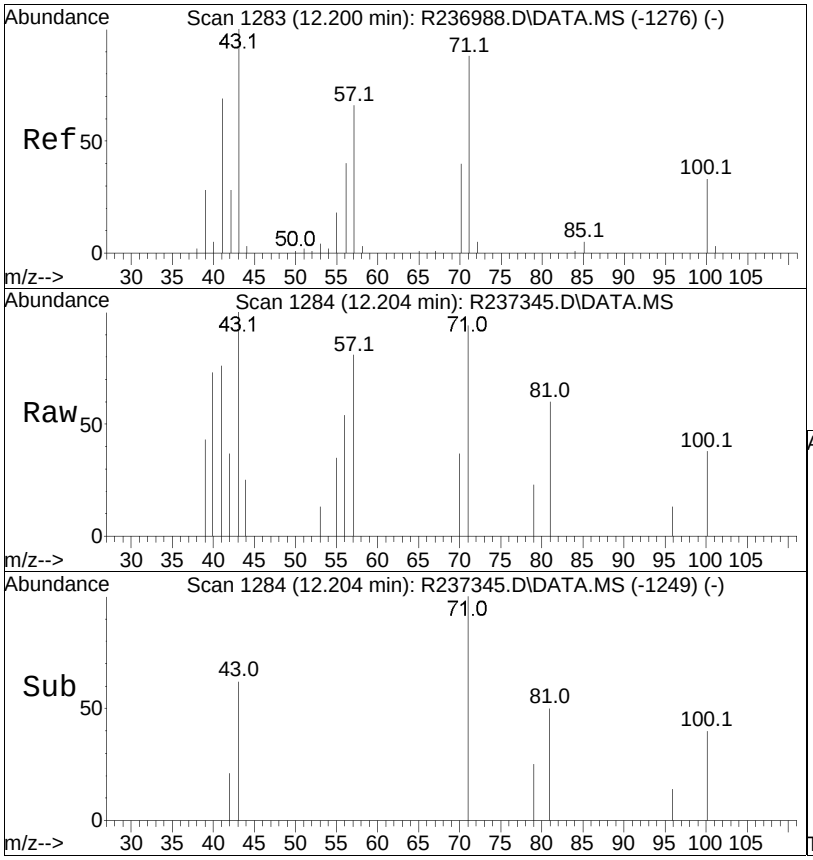


#60
2,2,4-trimethylpentane
Concen: 0.19 ppbV
RT: 11.893 min Scan# 1251
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 57 Resp: 12606

Ion	Ratio	Lower	Upper
57	100		
99	8.0	6.8	10.2
41	29.6	21.8	32.8

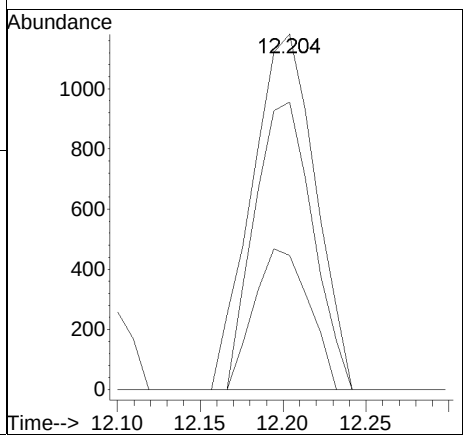


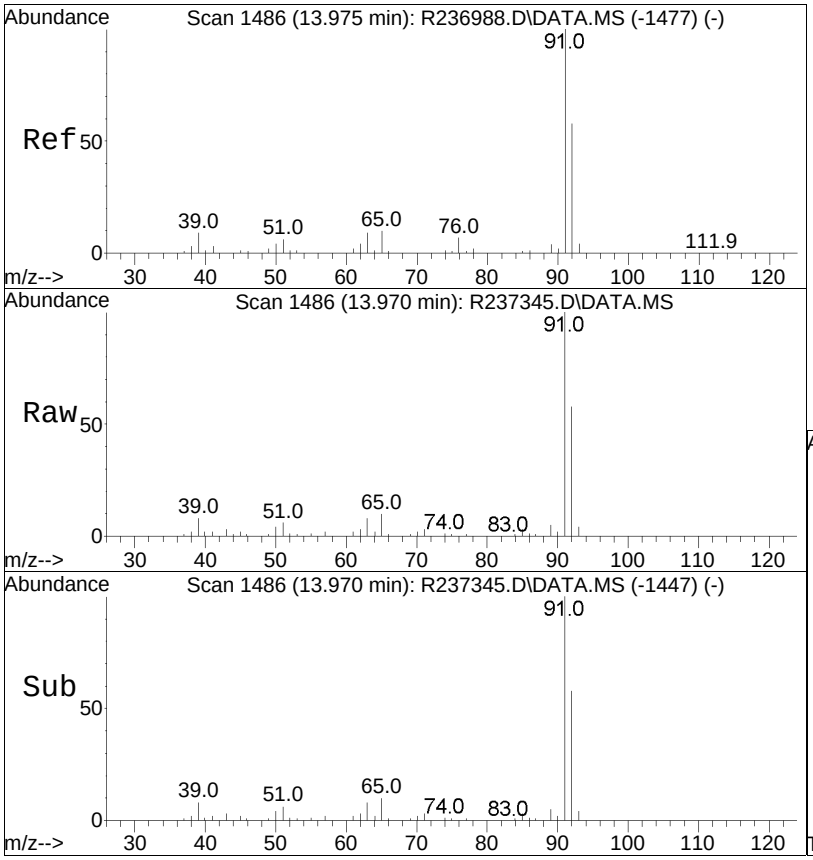


#62
heptane
Concen: 0.16 ppbV
RT: 12.204 min Scan# 1284
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 43 Resp: 3165

Ion	Ratio	Lower	Upper
43	100		
57	80.9	52.8	79.2#
100	37.7	26.8	40.2

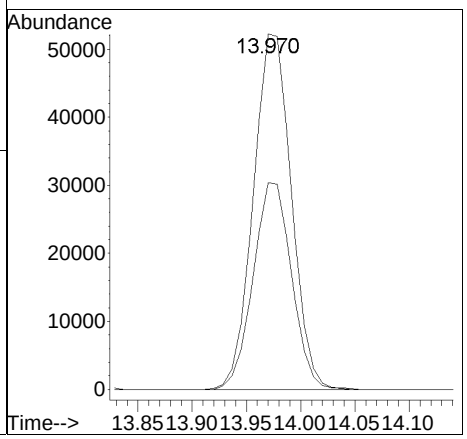


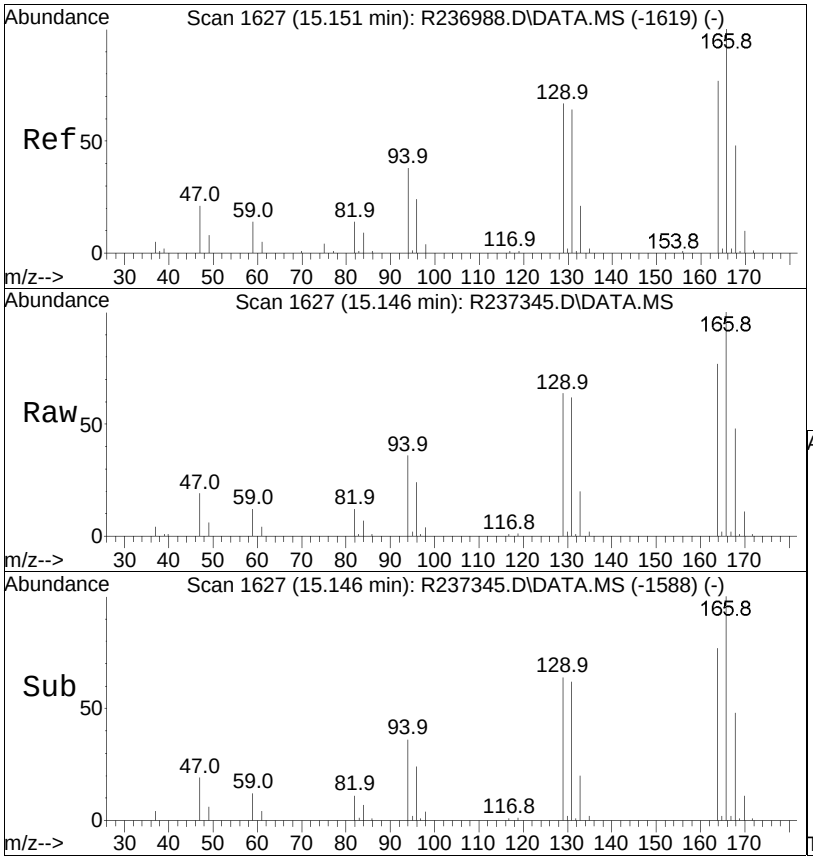


#68
toluene
Concen: 1.83 ppbV
RT: 13.970 min Scan# 1486
Delta R.T. -0.005 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 91 Resp: 127423

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.6	70.0

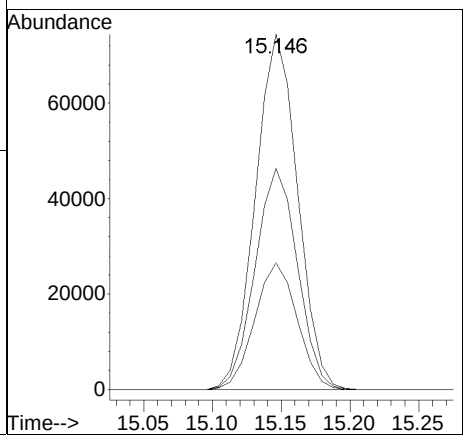


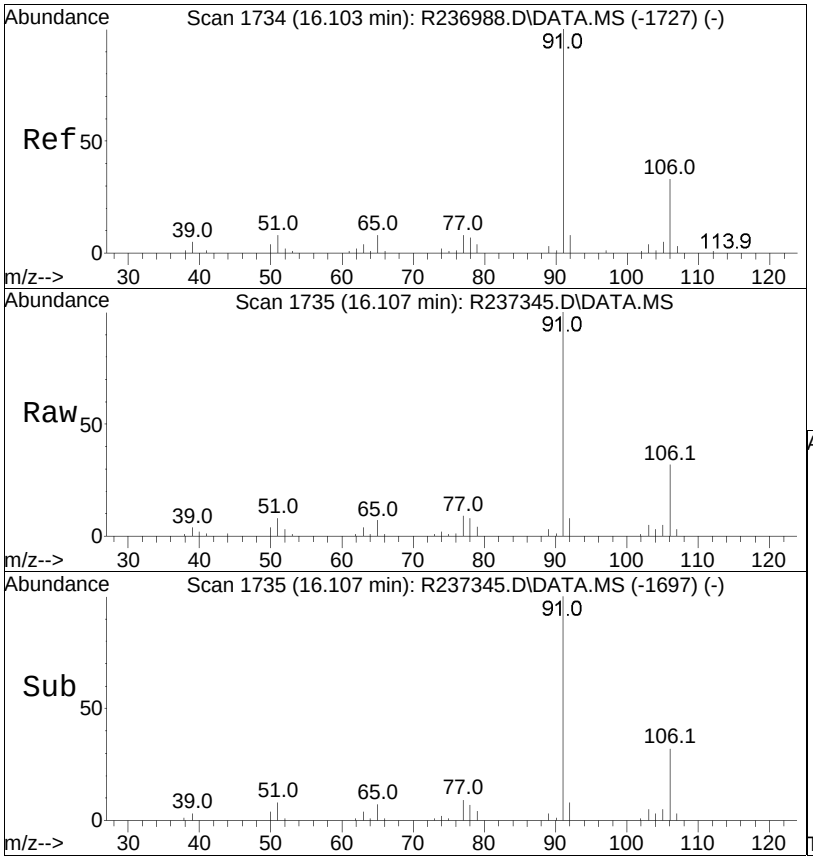


#78
tetrachloroethene
Concen: 3.62 ppbV
RT: 15.146 min Scan# 1627
Delta R.T. -0.005 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:166 Resp: 158556

Ion	Ratio	Lower	Upper
166	100		
131	62.2	51.4	77.0
94	35.6	30.2	45.2

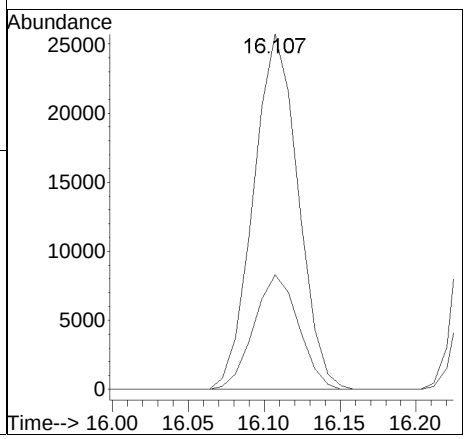


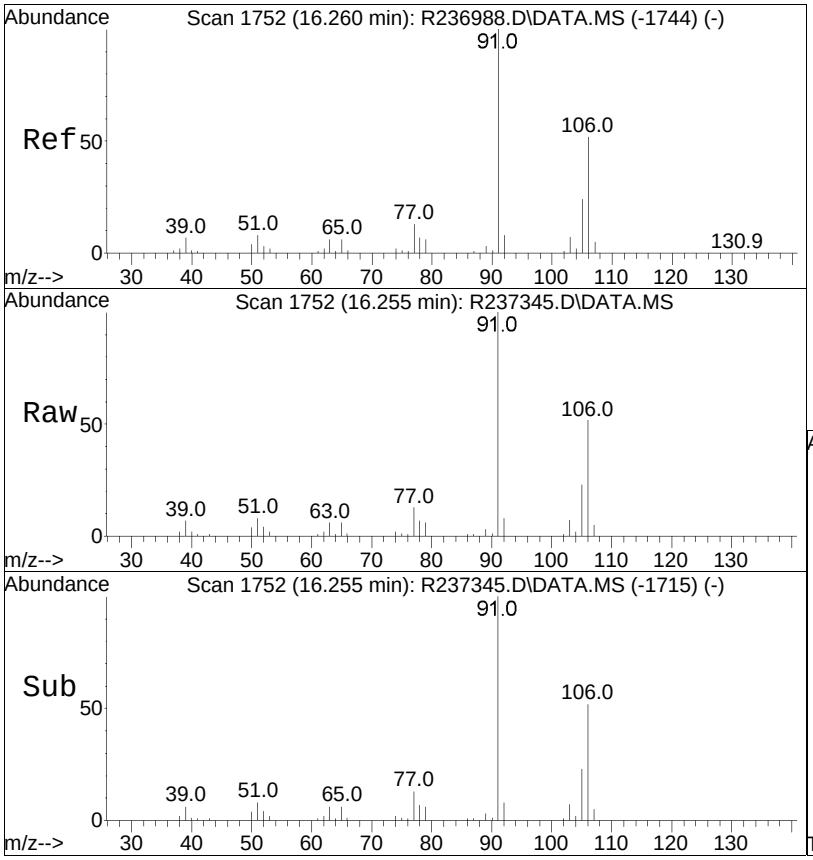


#81
ethylbenzene
Concen: 0.59 ppbV
RT: 16.107 min Scan# 1735
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 91 Resp: 52676

Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.6	40.0

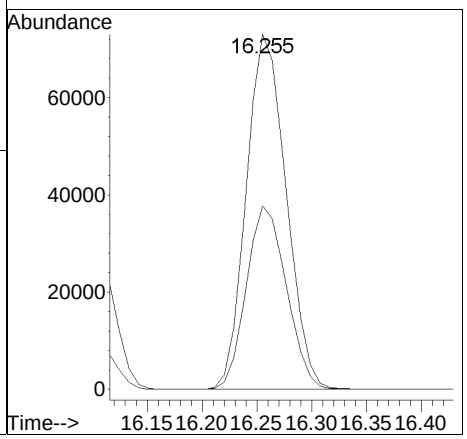


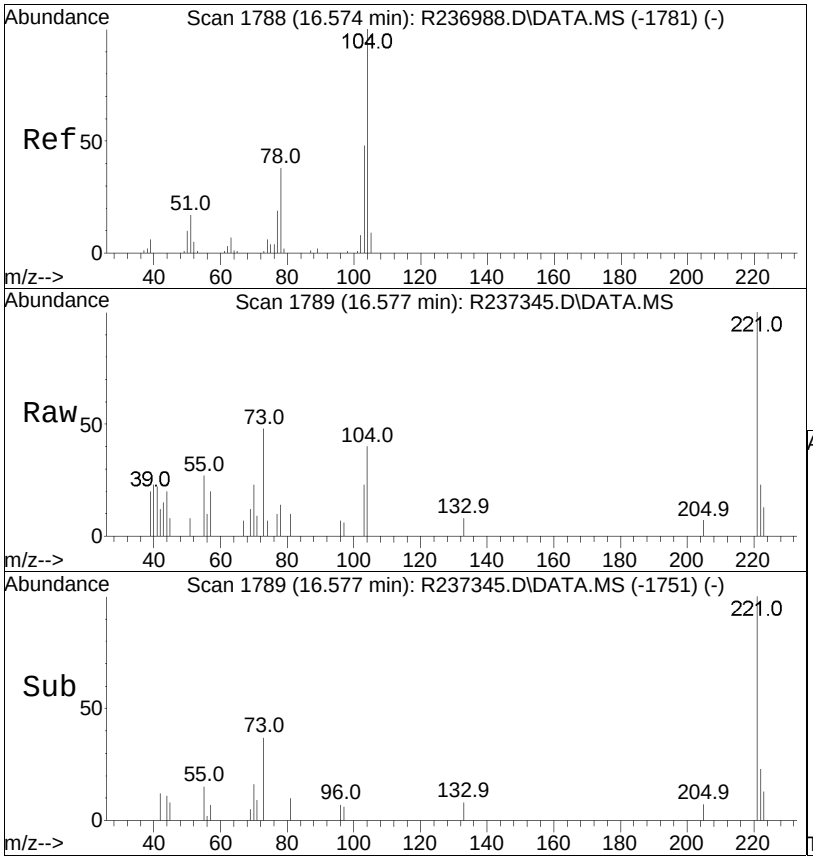


#83
m+p-xylene
Concen: 2.72 ppbV
RT: 16.255 min Scan# 1752
Delta R.T. -0.005 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 91 Resp: 184467

Ion	Ratio	Lower	Upper
91	100		
106	51.7	41.7	62.5

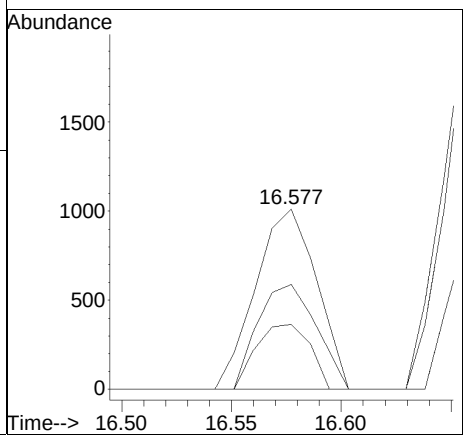


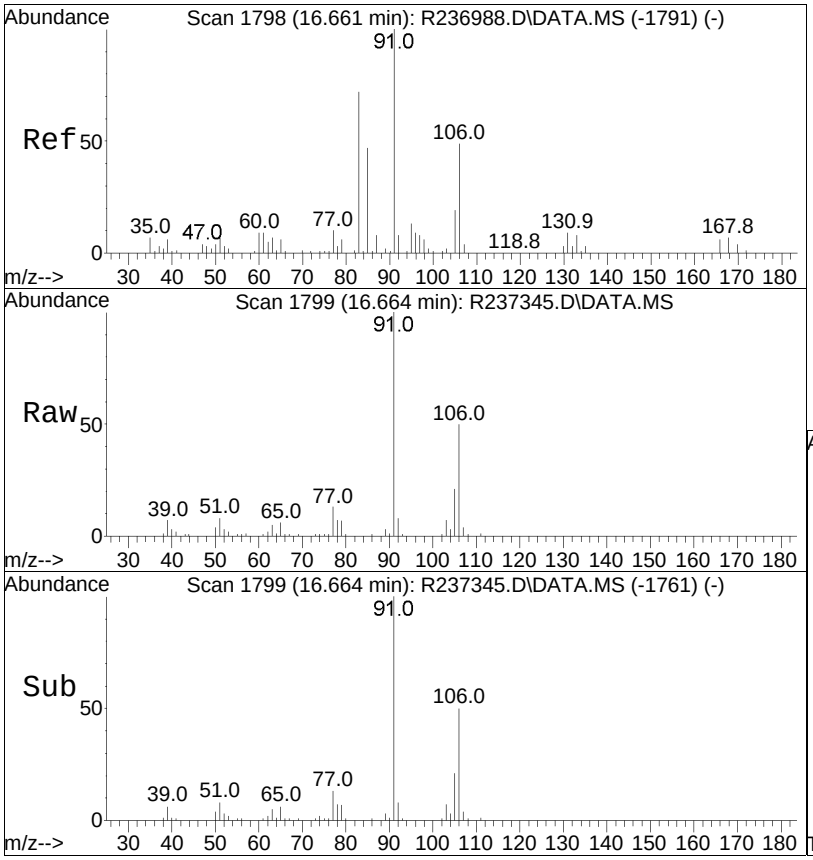


#85
styrene
Concen: 0.04 ppbV
RT: 16.577 min Scan# 1789
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:104 Resp: 1958

Ion	Ratio	Lower	Upper
104	100		
103	58.3	38.2	57.4#
78	36.1	30.6	45.8

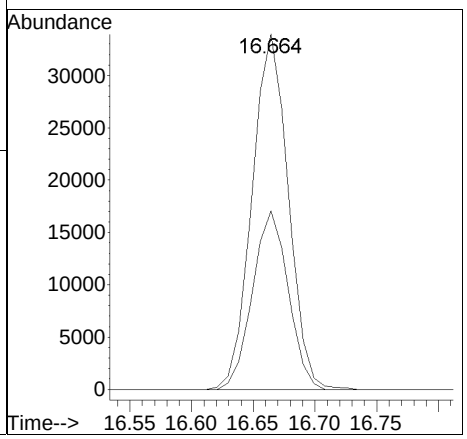


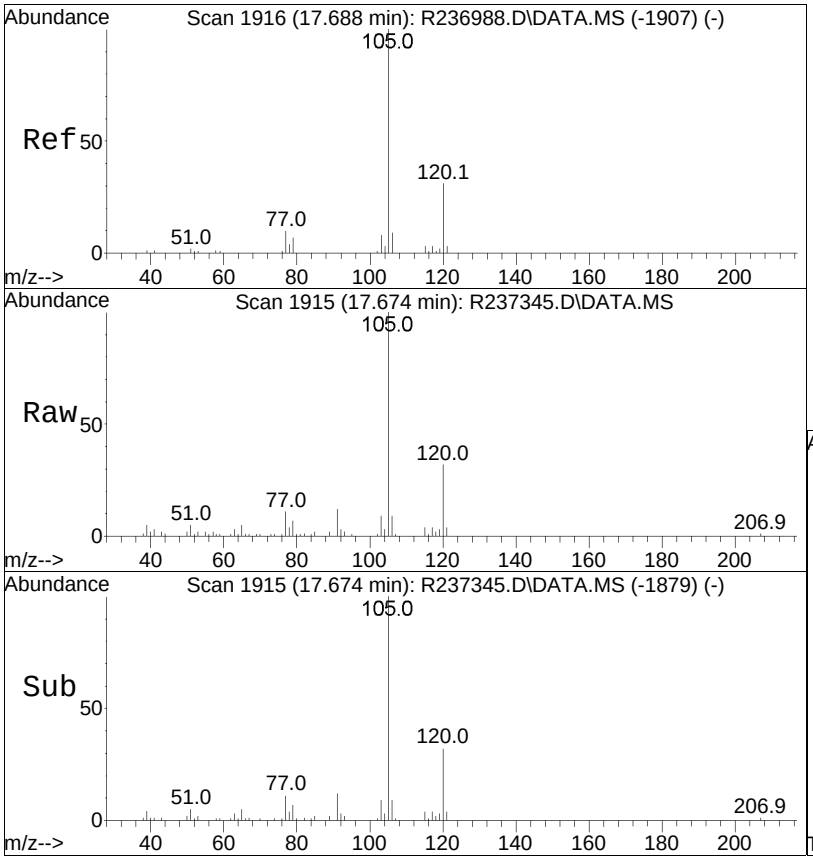


#87
o-xylene
Concen: 1.01 ppbV
RT: 16.664 min Scan# 1799
Delta R.T. 0.004 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion: 91 Resp: 69178

Ion	Ratio	Lower	Upper
91	100		
106	50.2	39.6	59.4

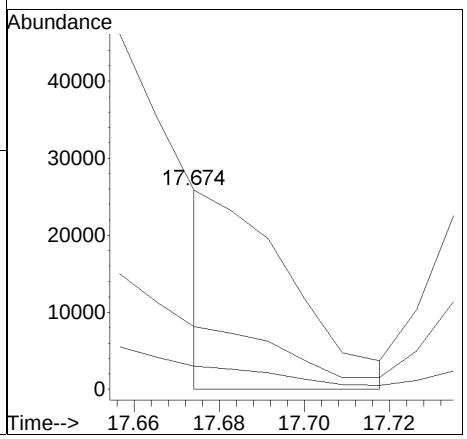


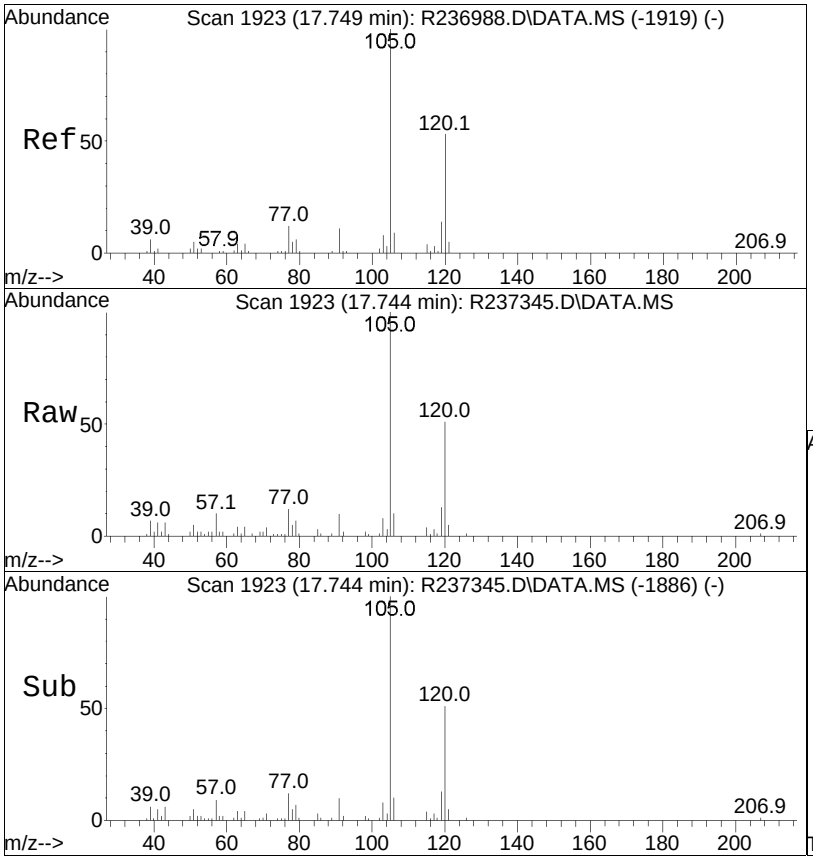


#96
4-ethyl toluene
Concen: 0.36 ppbV m
RT: 17.674 min Scan# 1915
Delta R.T. -0.014 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:105 Resp: 32837

Ion	Ratio	Lower	Upper
105	100		
120	31.5	25.1	37.7
91	11.7	8.8	13.2

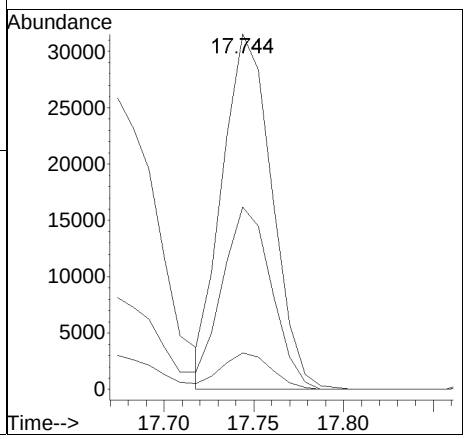


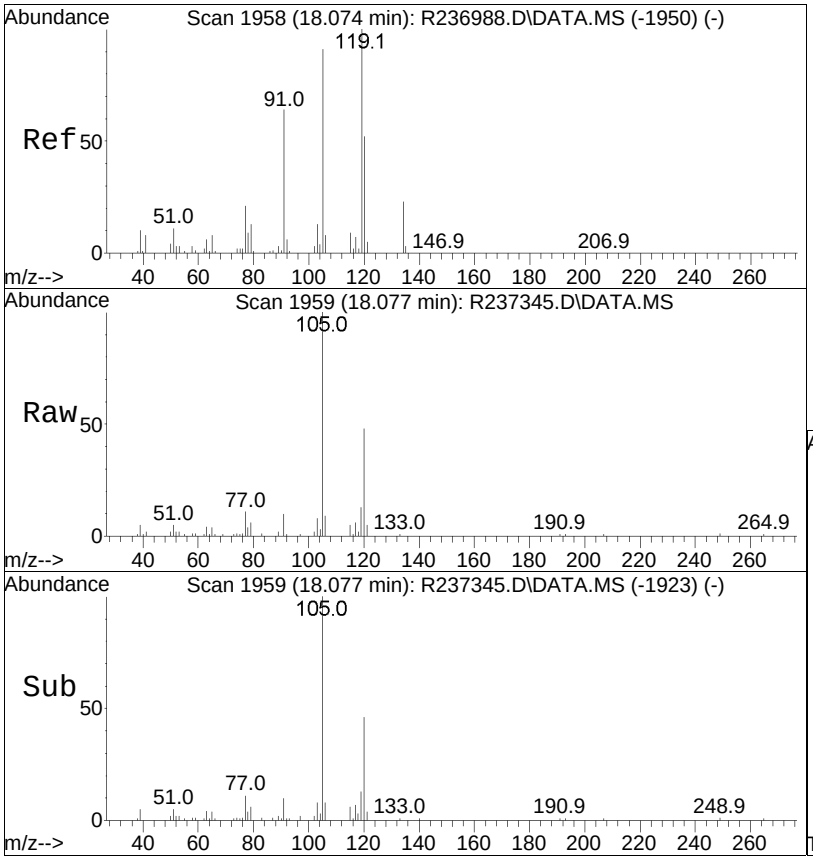


#97
1,3,5-trimethylbenzene
Concen: 0.80 ppbV
RT: 17.744 min Scan# 1923
Delta R.T. -0.005 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:105 Resp: 60996

Ion	Ratio	Lower	Upper
105	100		
120	51.3	40.7	61.1
91	10.3	8.5	12.7

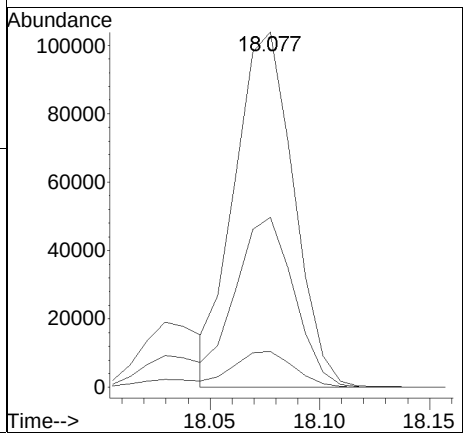


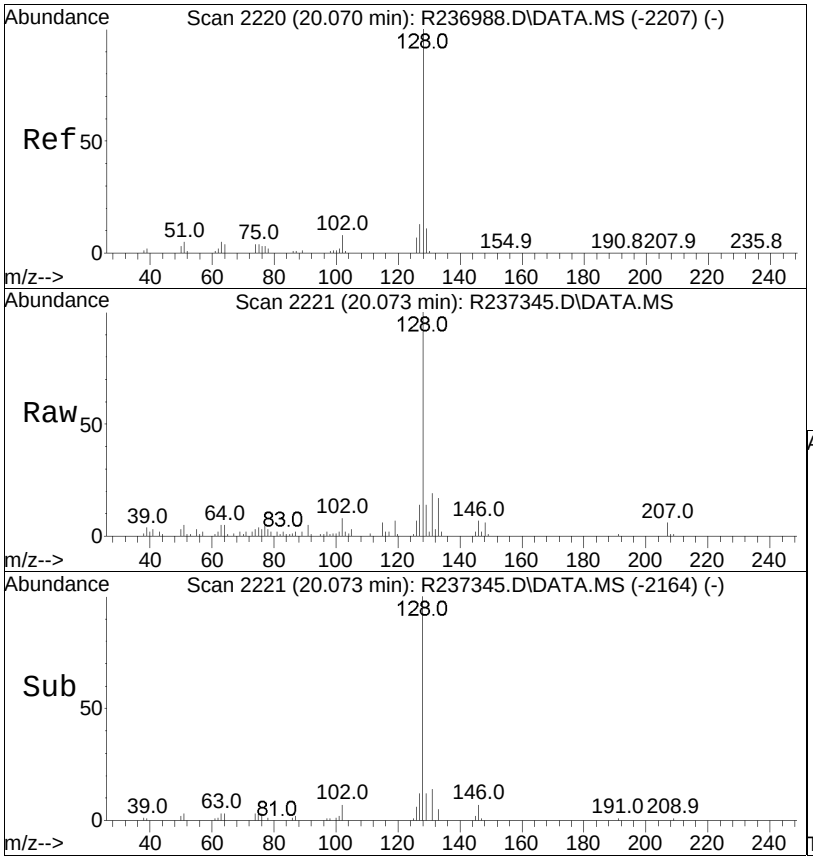


#99
1,2,4-trimethylbenzene
Concen: 2.40 ppbV m
RT: 18.077 min Scan# 1959
Delta R.T. 0.003 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:105 Resp: 194464

Ion	Ratio	Lower	Upper
105	100		
120	47.9	45.9	68.9
91	10.1	56.2	84.2#

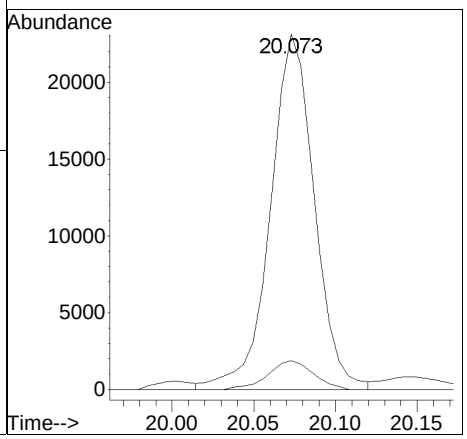




#116
naphthalene
Concen: 0.39 ppbV
RT: 20.073 min Scan# 2221
Delta R.T. 0.003 min
Lab File: R237345.D
Acq: 18 Dec 2025 11:17 pm

Tgt Ion:128 Resp: 43276

Ion	Ratio	Lower	Upper
128	100		
102	8.1	6.4	9.6

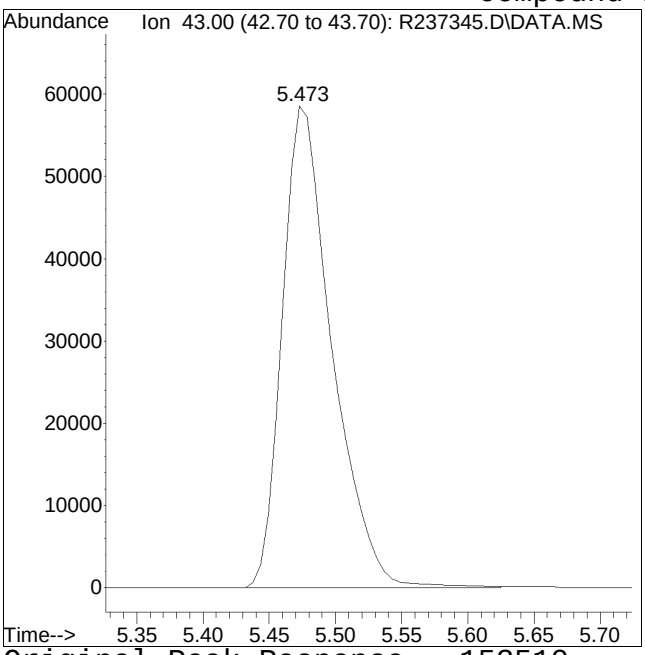


Manual Integration Report

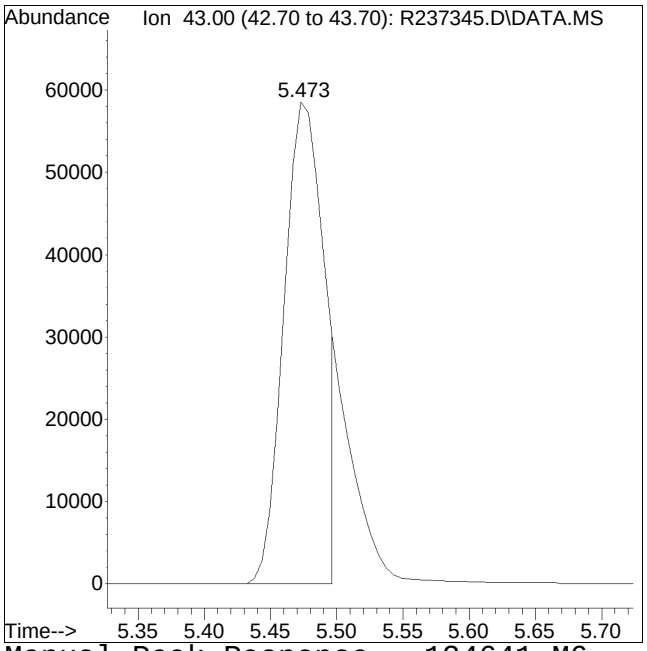
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237345.D
Date Inj'd : 12/18/2025 11:17 pm
Sample : L2577500-15,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:14 am

Compound #19: acetone



Original Peak Response = 153510



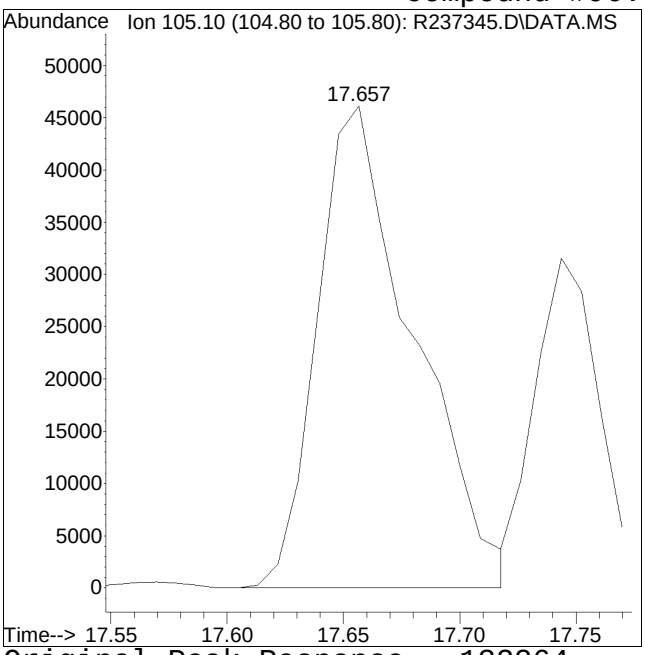
Manual Peak Response = 124641 M6

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

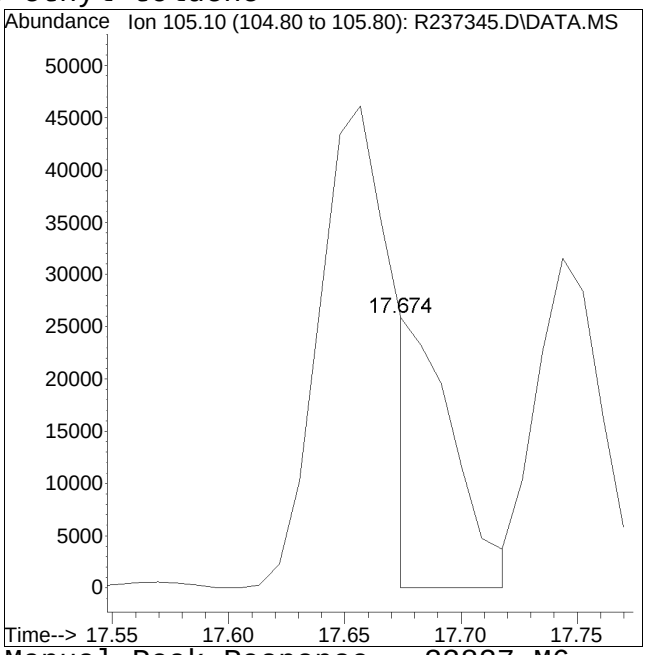
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237345.D Operator : AIRLAB23:TPH
Date Inj'd : 12/18/2025 11:17 pm Instrument : Airlab23
Sample : L2577500-15,3,250,250 Quant Date : 12/19/2025 7:14 am

Compound #96: 4-ethyl toluene



Original Peak Response = 132264



Manual Peak Response = 32837 M6

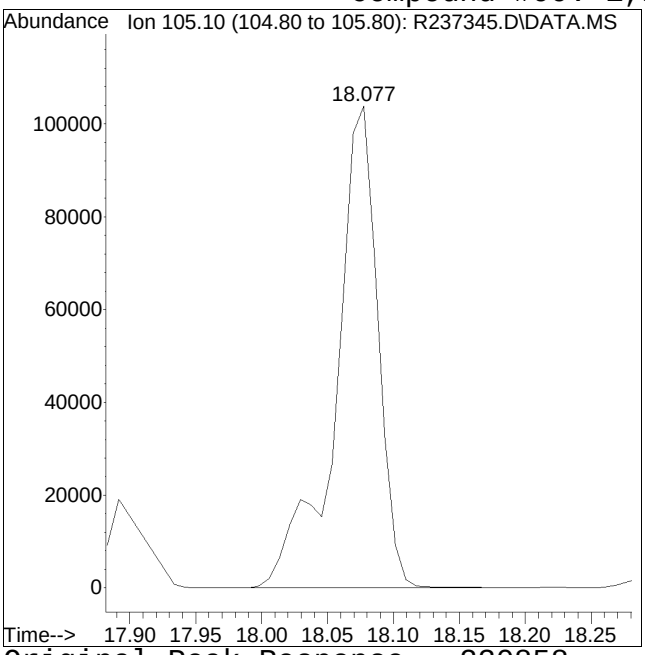
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

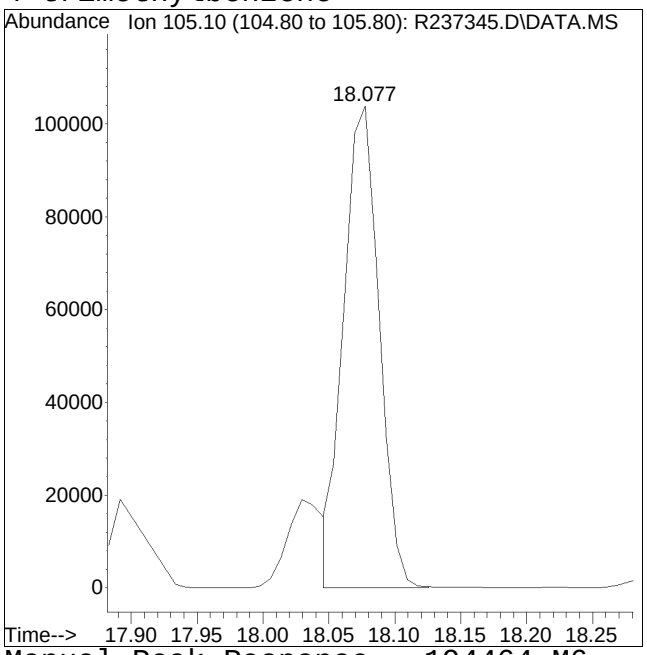
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237345.D
Date Inj'd : 12/18/2025 11:17 pm
Sample : L2577500-15,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:14 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 230858



Manual Peak Response = 194464 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752995.D
Acq On : 18 Dec 2025 11:20 PM
Operator : AIRLAB17:TPH
Sample : L2577500-09,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:13 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	323483	10.000	ppbV	-0.05
Standard Area = 341577			Recovery = 94.70%			
43) 1,4-difluorobenzene	11.003	114	859120	10.000	ppbV	-0.05
Standard Area = 849055			Recovery = 101.19%			
67) chlorobenzene-D5	15.775	54	139610	10.000	ppbV	-0.03
Standard Area = 140112			Recovery = 99.64%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.862	85	26004	0.571	ppbV	96
6) chloromethane	4.018	50	11768	0.576	ppbV	99
7) Freon-114	4.114		0	N.D.		
10) 1,3-butadiene	4.366		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.942	31	5665194	304.778	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.420	43	461130	14.694	ppbV	97
21) trichlorofluoromethane	5.620	101	8481	0.190	ppbV	92
22) isopropyl alcohol	5.700	45	383026	10.753	ppbV	98
27) tertiary butyl alcohol	6.342	59	3590	0.071	ppbV #	58
28) methylene chloride	6.432	49	5887	0.220	ppbV	93
29) 3-chloropropene	6.546		0	N.D.		
30) carbon disulfide	6.726		0	N.D.		
31) Freon 113	6.720	101	2820	0.059	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.	d	
36) 2-butanone	8.117	43	19433	0.392	ppbV	98
38) Ethyl Acetate	8.883	61	17828	1.965	ppbV #	40
39) chloroform	8.942	83	5606	0.132	ppbV	99
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.775		0	N.D.		
44) hexane	8.867	57	9197	0.223	ppbV #	1
50) benzene	10.583	78	16260	0.227	ppbV	98
53) cyclohexane	10.897	56	2774	0.064	ppbV #	90
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752995.D
Acq On : 18 Dec 2025 11:20 PM
Operator : AIRLAB17:TPH
Sample : L2577500-09,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:13 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

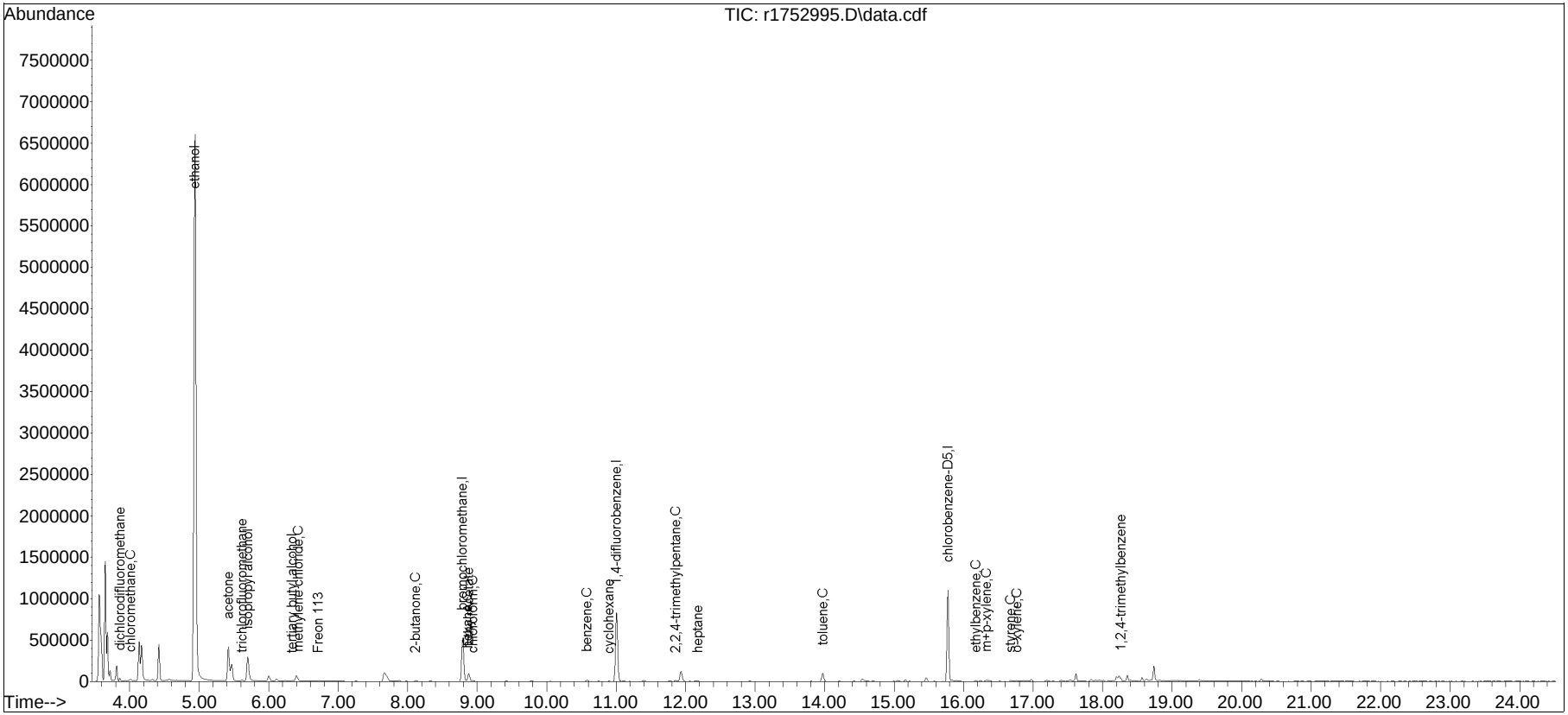
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.743		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.857	57	11716	0.088	ppbV	95
62) heptane	12.177	43	4772	0.109	ppbV #	83
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.975	91	87338	0.908	ppbV	98
72) 2-hexanone	14.342		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.833		0	N.D.		
81) ethylbenzene	16.175	91	7432	0.061	ppbV	95
83) m+p-xylene	16.333	91	14242	0.147	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	16.675	104	4603	0.064	ppbV #	91
86) 1,1,2,2-tetrachloroethane	16.683		0	N.D.		
87) o-xylene	16.767	91	5921	0.061	ppbV	95
96) 4-ethyl toluene	17.917		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267	105	5807	0.057	ppbV #	61
101) Benzyl Chloride	18.458		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

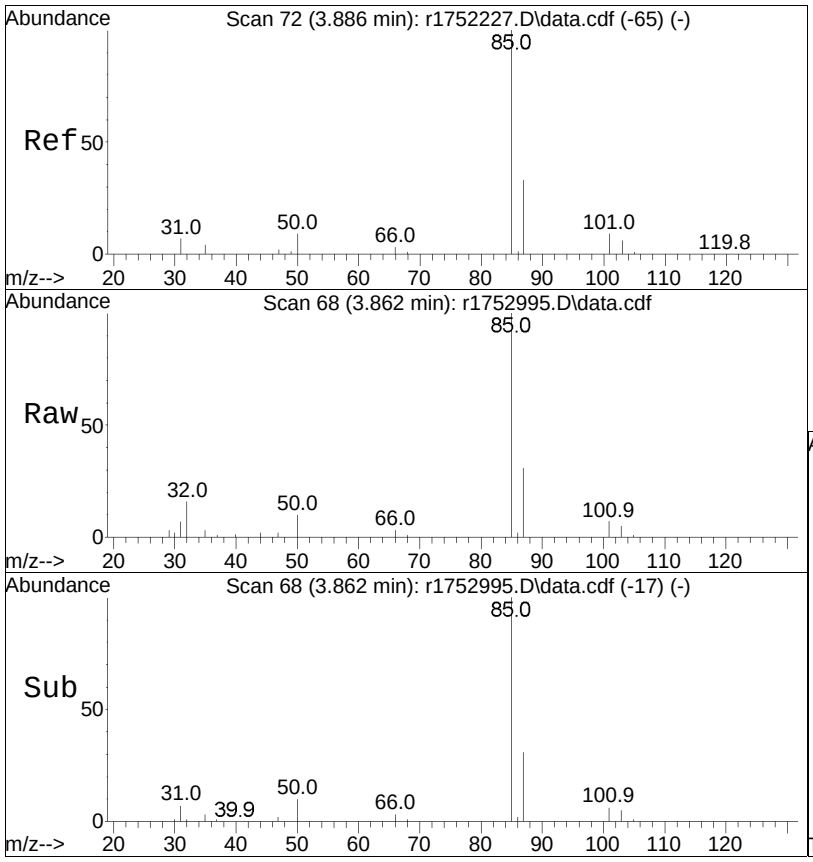
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752995.D
Acq On : 18 Dec 2025 11:20 PM
Operator : AIRLAB17:TPH
Sample : L2577500-09,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:13 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

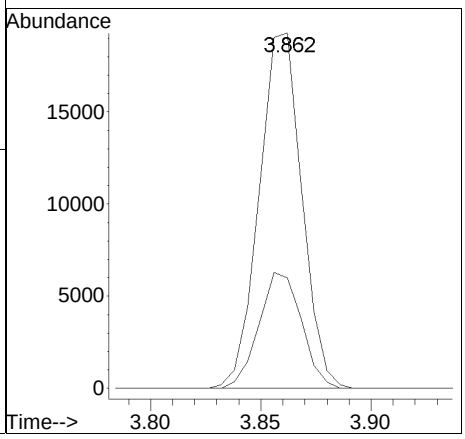


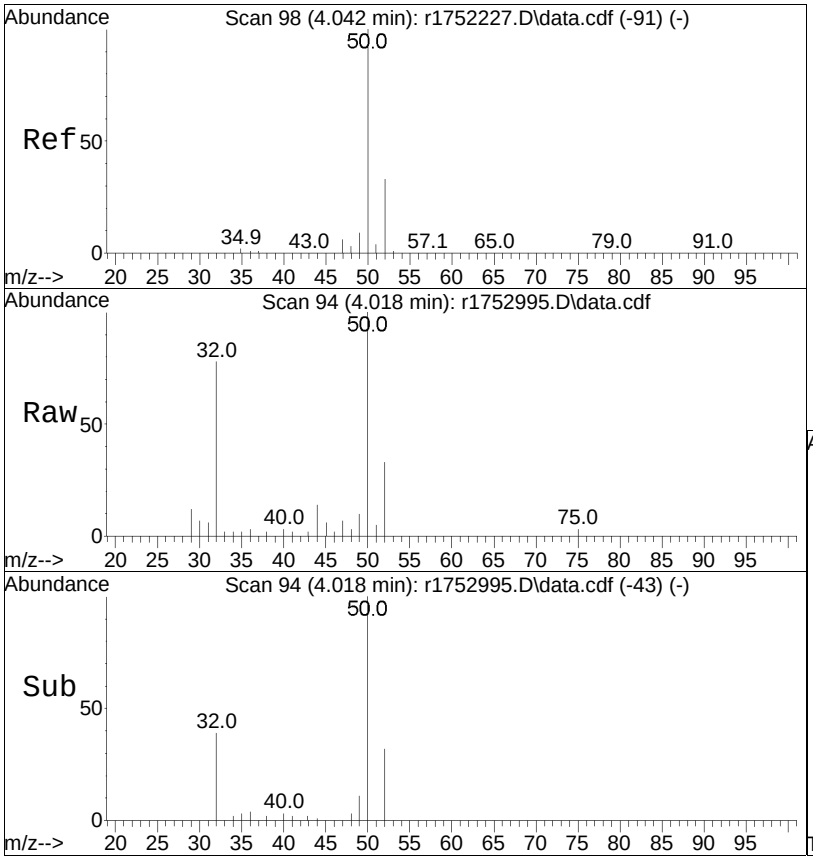


#5
dichlorodifluoromethane
Concen: 0.57 ppbV
RT: 3.862 min Scan# 68
Delta R.T. -0.024 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 85 Resp: 26004

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.7	40.1

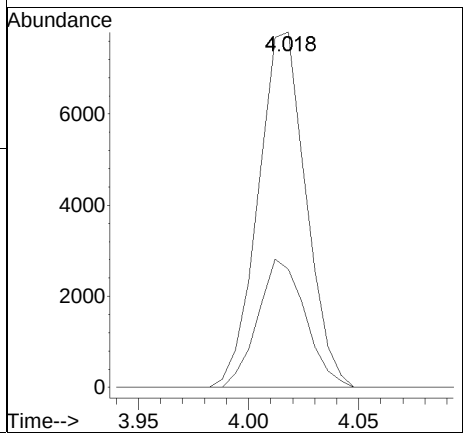


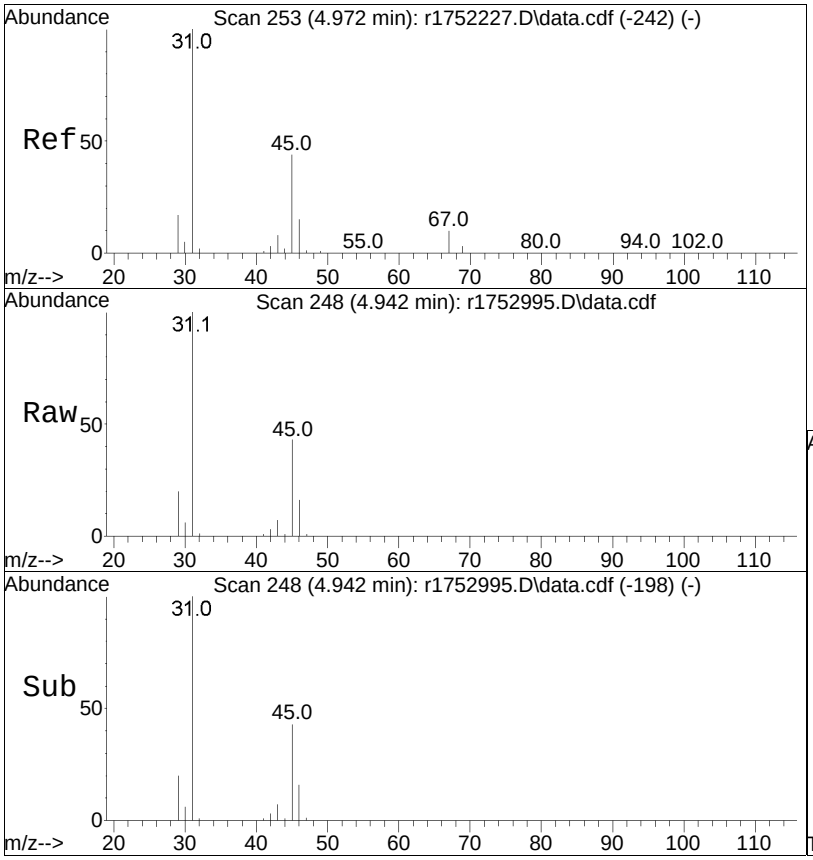


#6
chloromethane
Concen: 0.58 ppbV
RT: 4.018 min Scan# 94
Delta R.T. -0.024 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 50 Resp: 11768

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.1	39.1

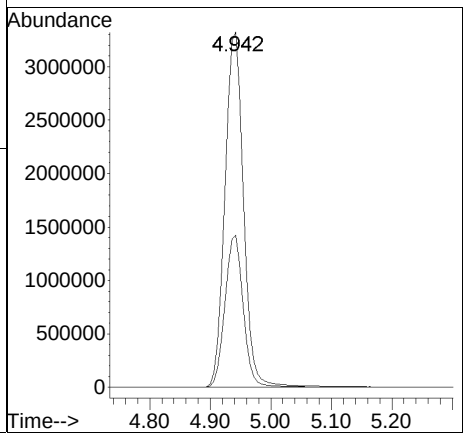


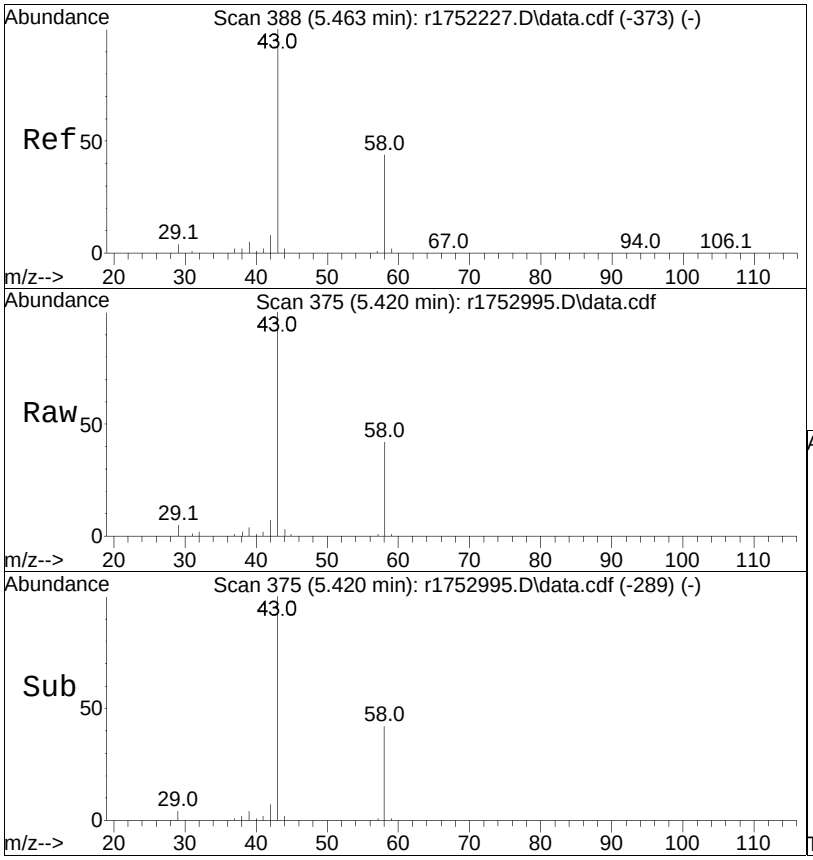


#15
ethanol
Concen: 304.78 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 31 Resp: 5665194

Ion	Ratio	Lower	Upper
31	100		
45	42.9	35.3	52.9

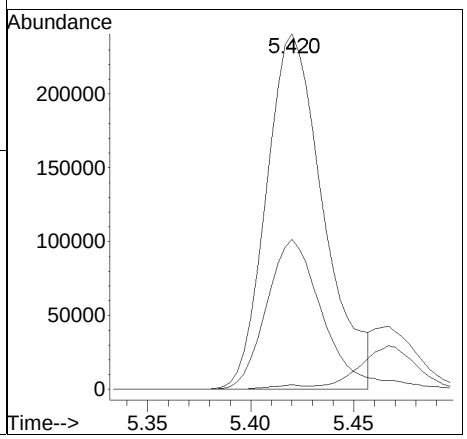


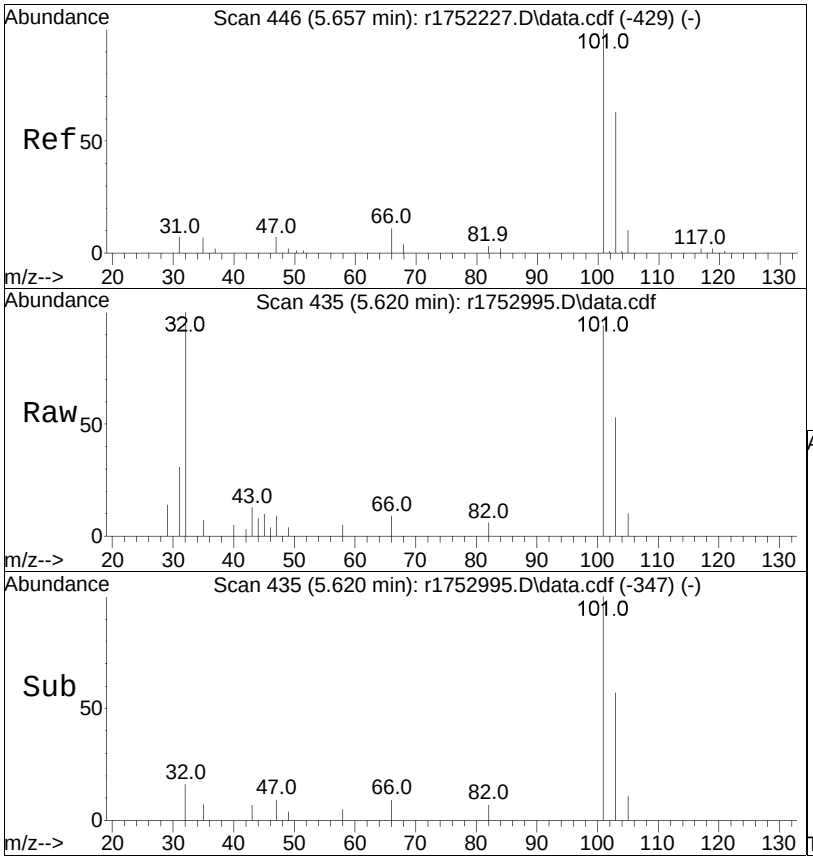


#19
acetone
Concen: 14.69 ppbV
RT: 5.420 min Scan# 375
Delta R.T. -0.043 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 43 Resp: 461130

Ion	Ratio	Lower	Upper
43	100		
58	42.2	35.1	52.7
57	1.3	0.9	1.3

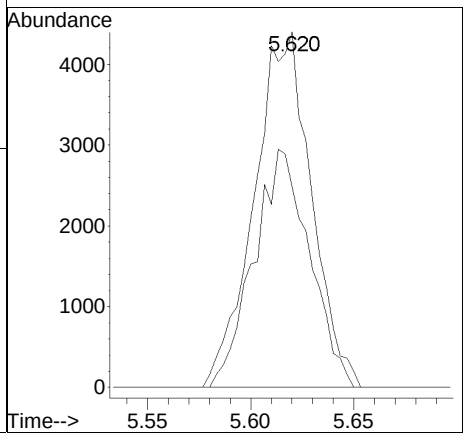


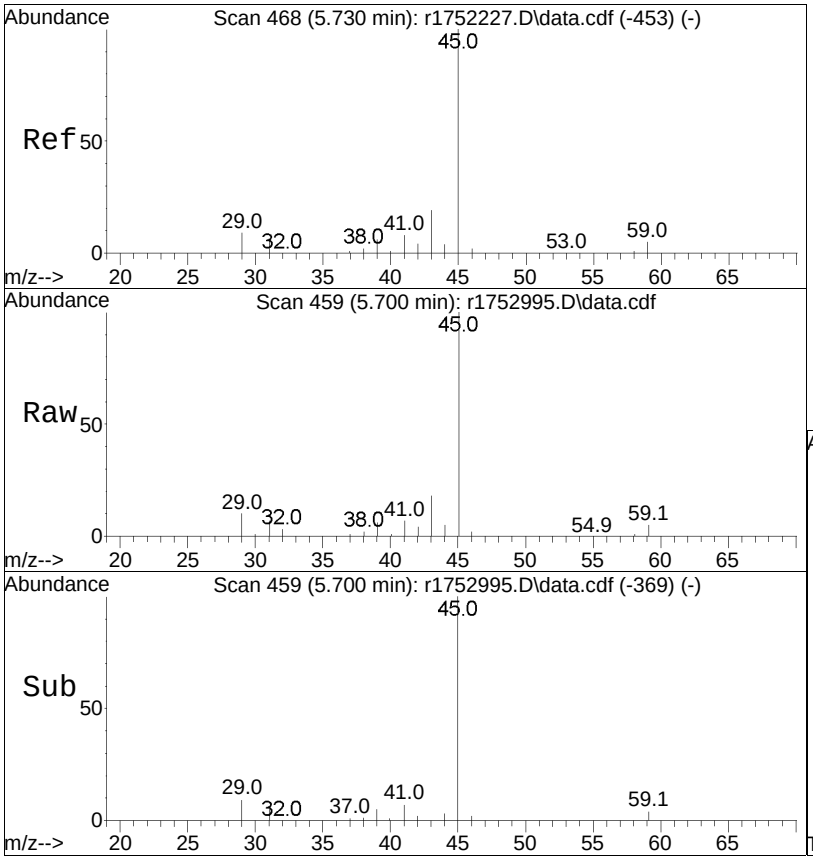


#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.620 min Scan# 435
Delta R.T. -0.037 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:101 Resp: 8481

Ion	Ratio	Lower	Upper
101	100		
103	56.5	50.2	75.2

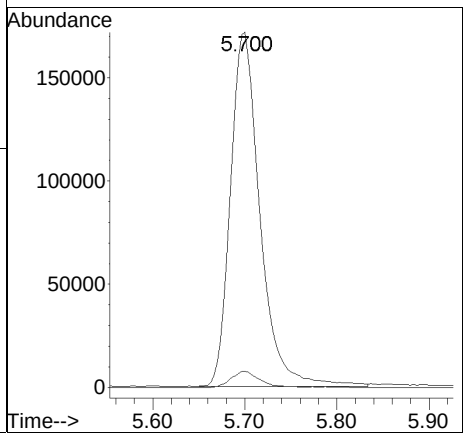


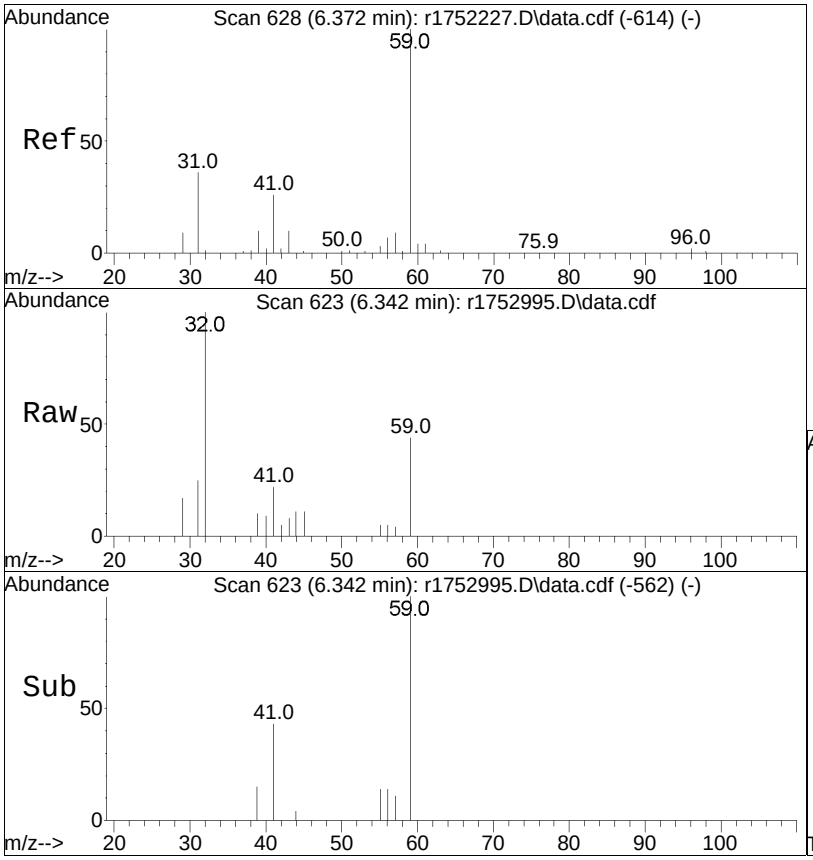


#22
isopropyl alcohol
Concen: 10.75 ppbV
RT: 5.700 min Scan# 459
Delta R.T. -0.030 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 45 Resp: 383026

Ion	Ratio	Lower	Upper
45	100		
59	4.6	4.2	6.2

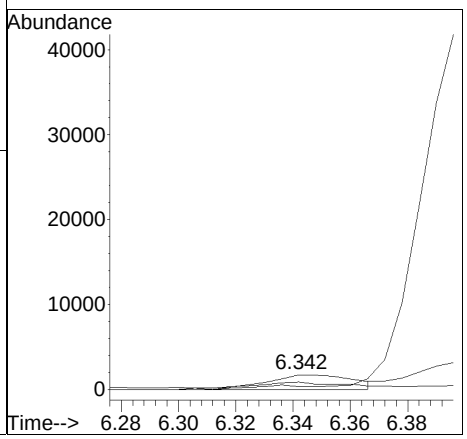


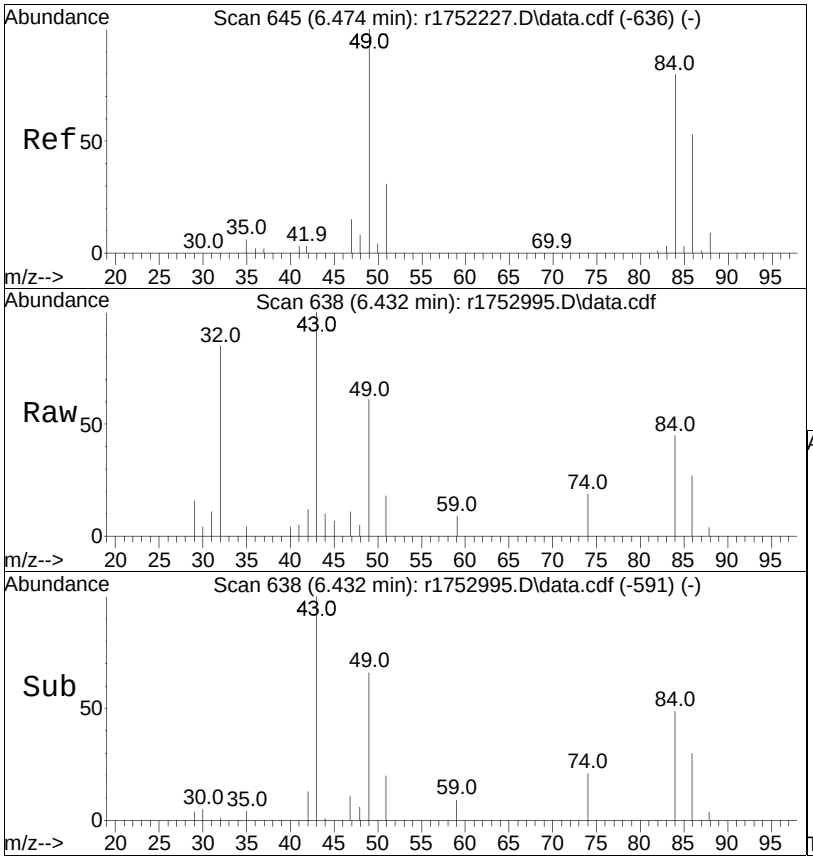


#27
tertiary butyl alcohol
Concen: 0.07 ppbV
RT: 6.342 min Scan# 623
Delta R.T. -0.030 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 59 Resp: 3590

Ion	Ratio	Lower	Upper
59	100		
41	51.1	20.9	31.3#
43	19.0	7.9	11.9#

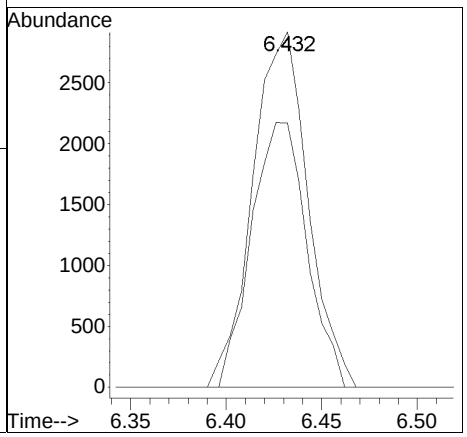


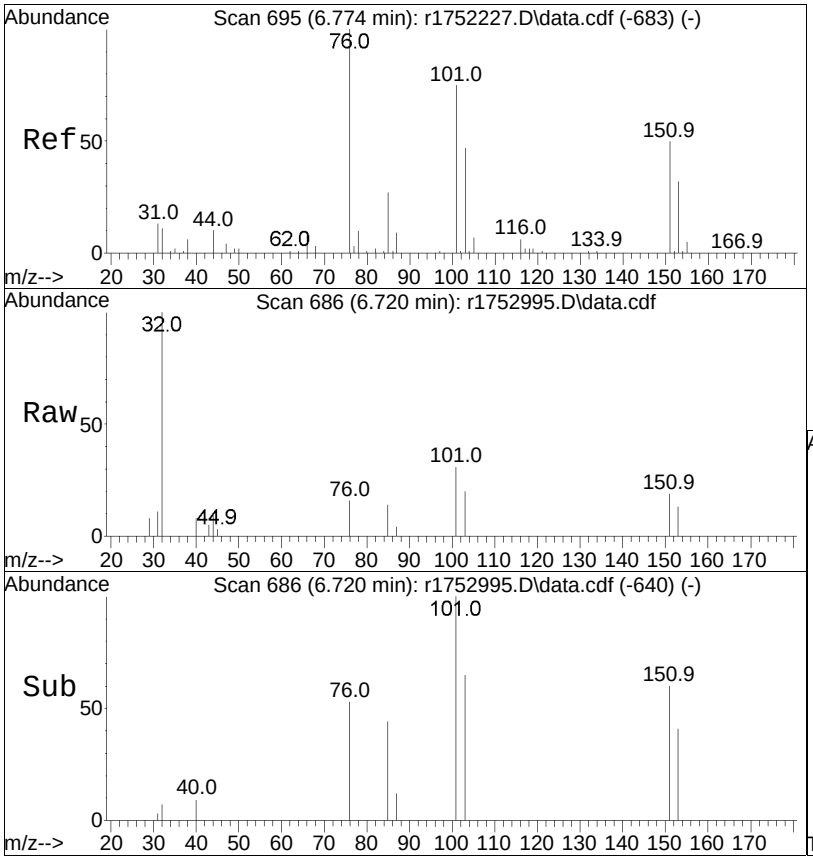


#28
methylene chloride
Concen: 0.22 ppbV
RT: 6.432 min Scan# 638
Delta R.T. -0.042 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 49 Resp: 5887

Ion	Ratio	Lower	Upper
49	100		
84	74.4	64.2	96.2

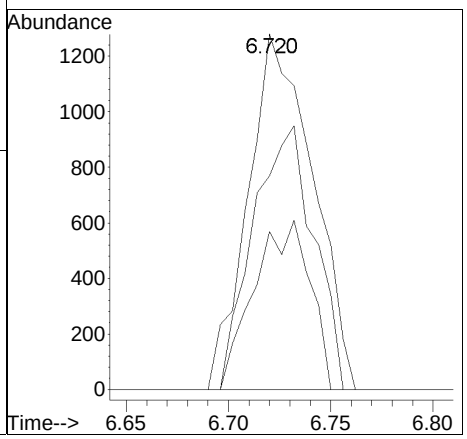


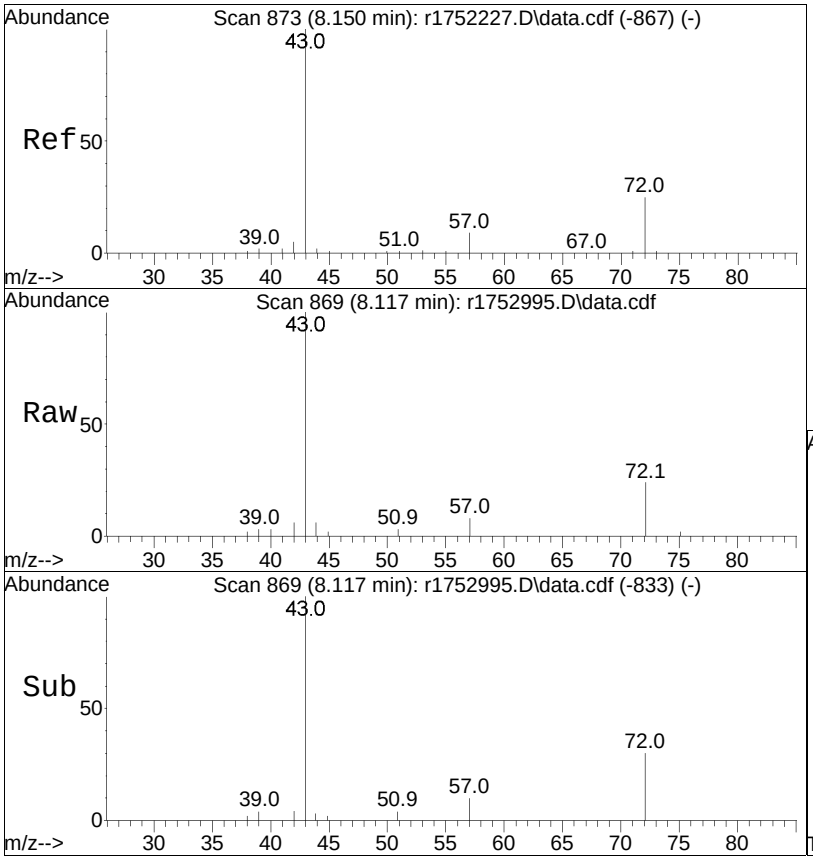


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.720 min Scan# 686
Delta R.T. -0.054 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:101 Resp: 2820

Ion	Ratio	Lower	Upper
101	100		
85	44.5	28.9	43.3#
151	60.1	53.3	79.9

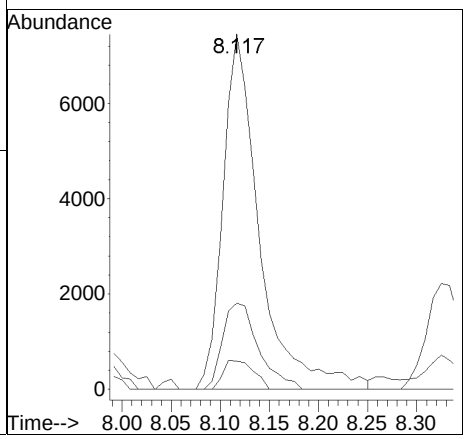


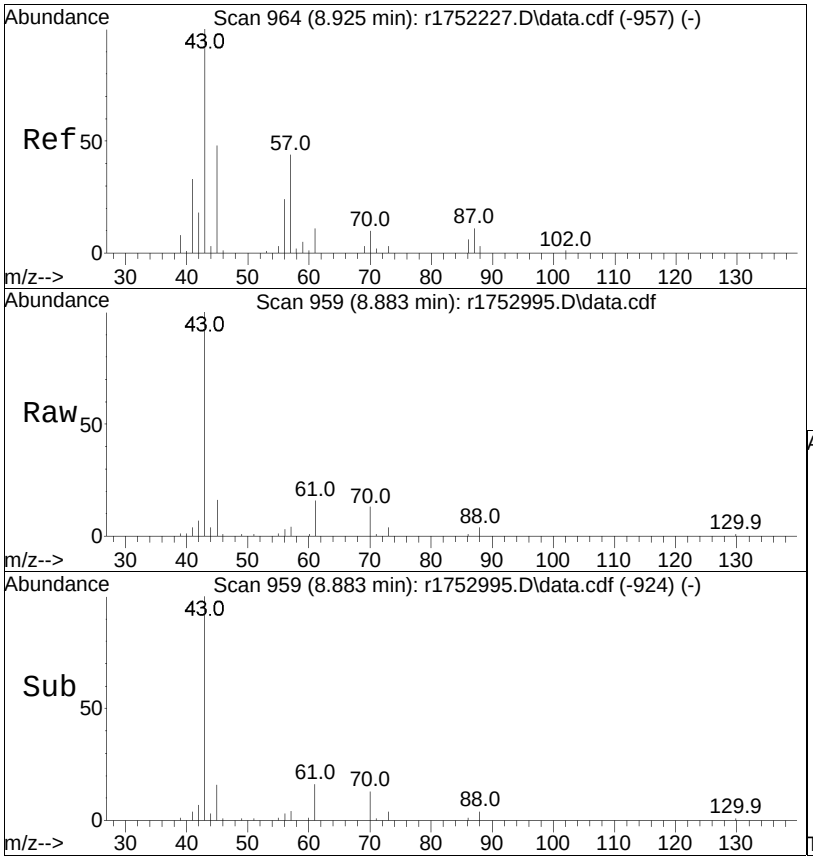


#36
2-butanone
Concen: 0.39 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 43 Resp: 19433

Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.9	29.9
57	7.9	7.2	10.8

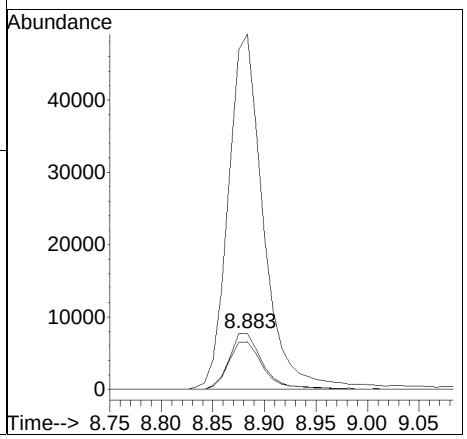


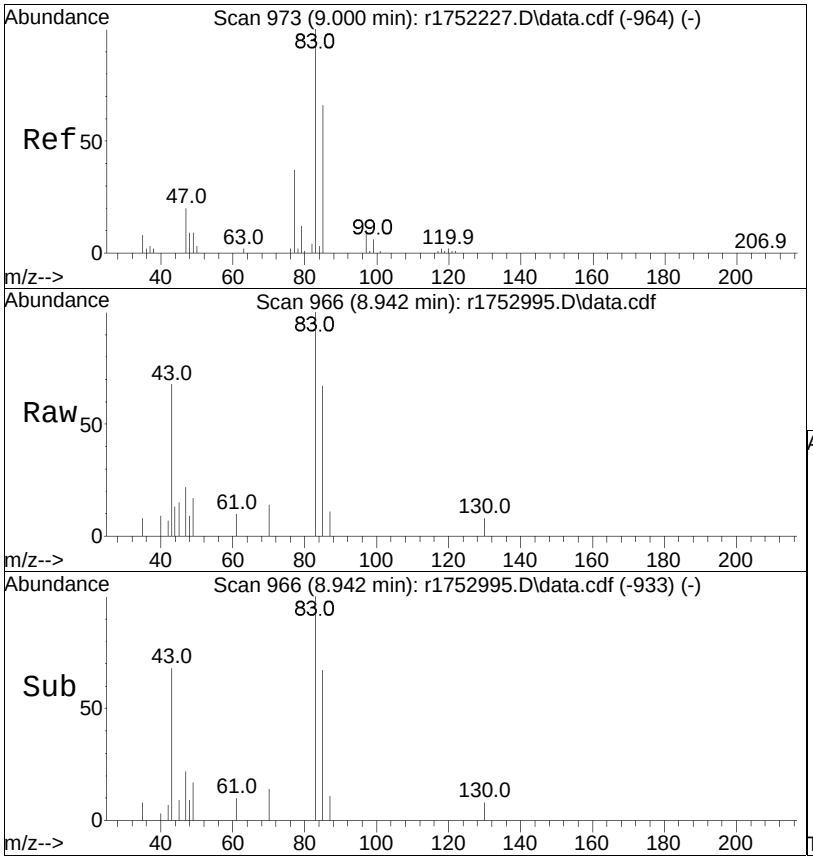


#38
Ethyl Acetate
Concen: 1.97 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.042 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 61 Resp: 17828

Ion	Ratio	Lower	Upper
61	100		
70	85.1	68.4	102.6
43	635.2	727.4	1091.2#

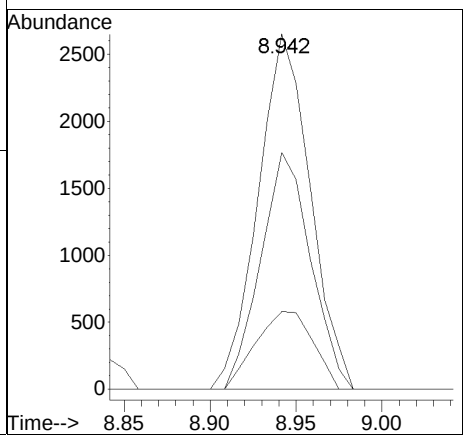


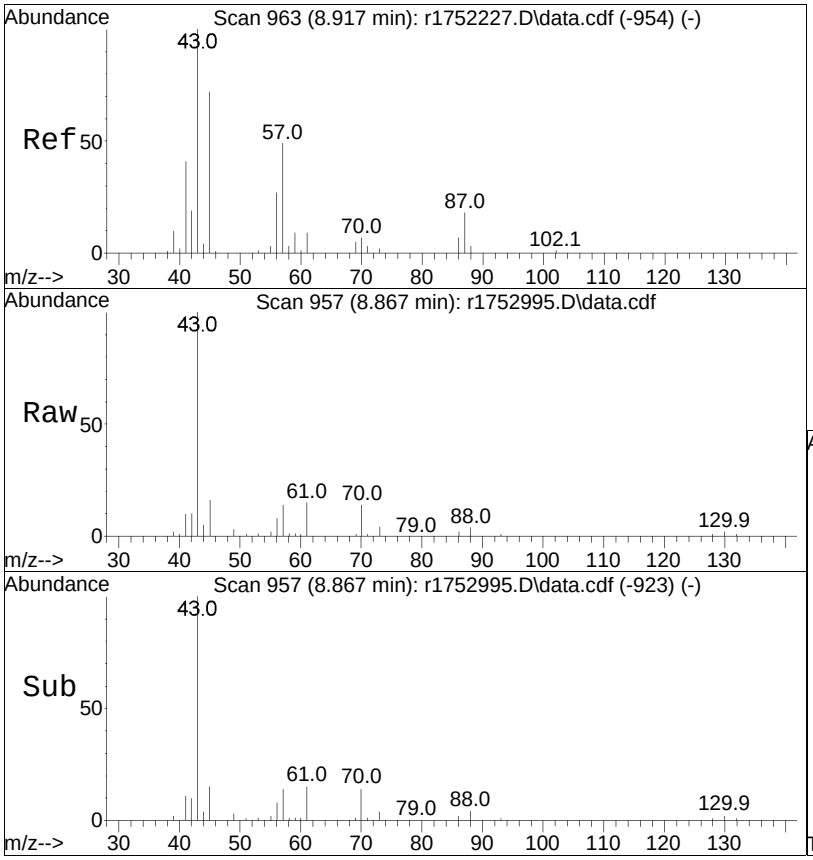


#39
chloroform
Concen: 0.13 ppbV
RT: 8.942 min Scan# 966
Delta R.T. -0.058 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 83 Resp: 5606

Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.1	79.7
47	21.9	16.3	24.5

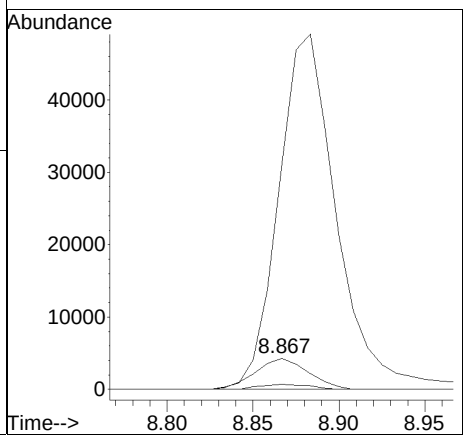


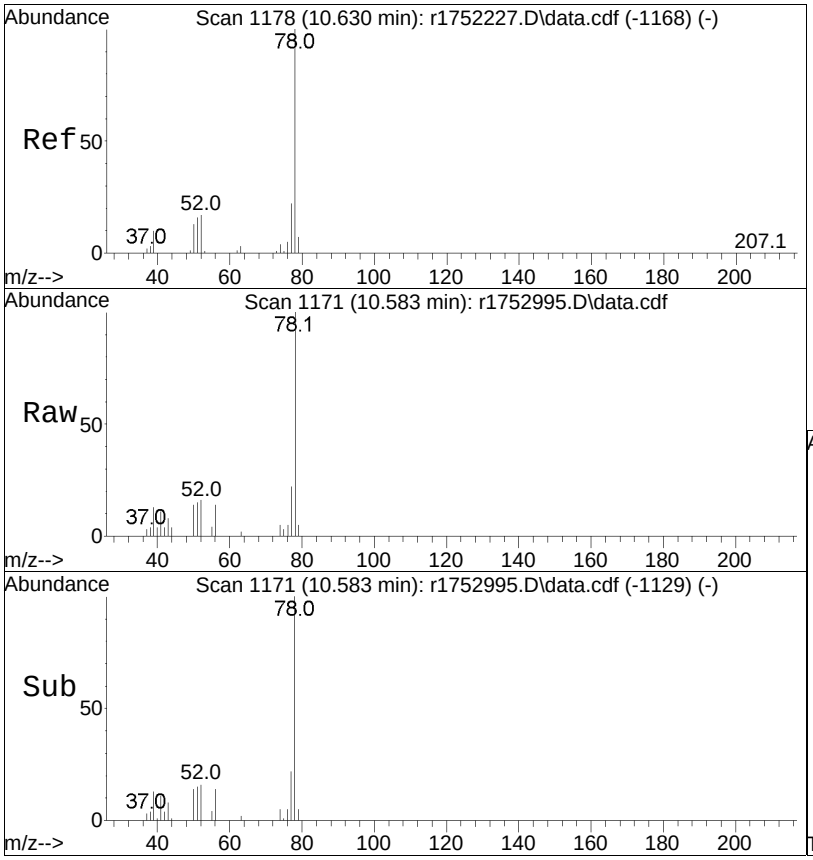


#44
hexane
Concen: 0.22 ppbV
RT: 8.867 min Scan# 957
Delta R.T. -0.050 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 57 Resp: 9197

Ion	Ratio	Lower	Upper
57	100		
43	721.4	163.5	245.3#
86	16.6	11.7	17.5

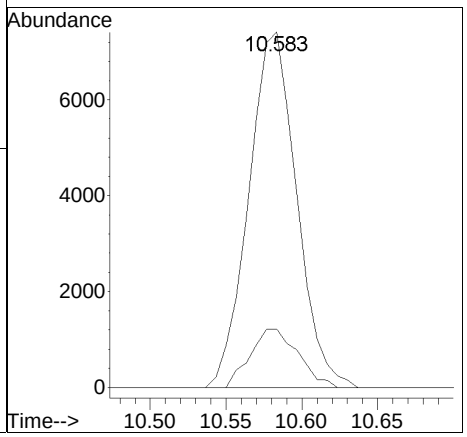


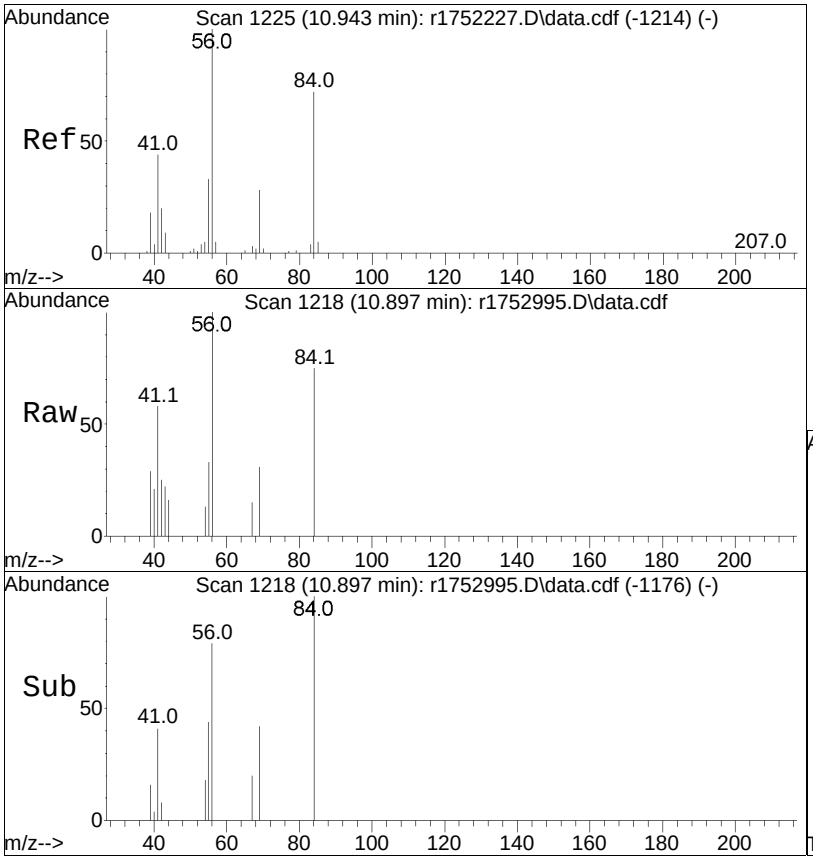


#50
benzene
Concen: 0.23 ppbV
RT: 10.583 min Scan# 1171
Delta R.T. -0.047 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 78 Resp: 16260

Ion	Ratio	Lower	Upper
78	100		
52	16.5	13.8	20.8

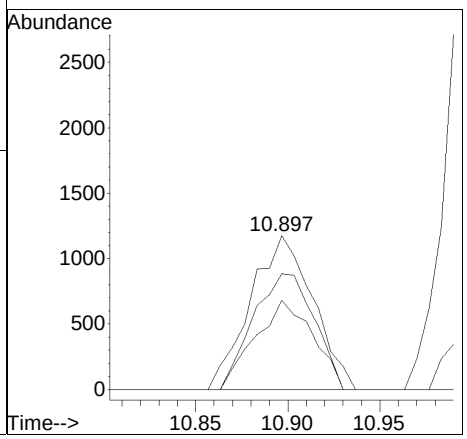


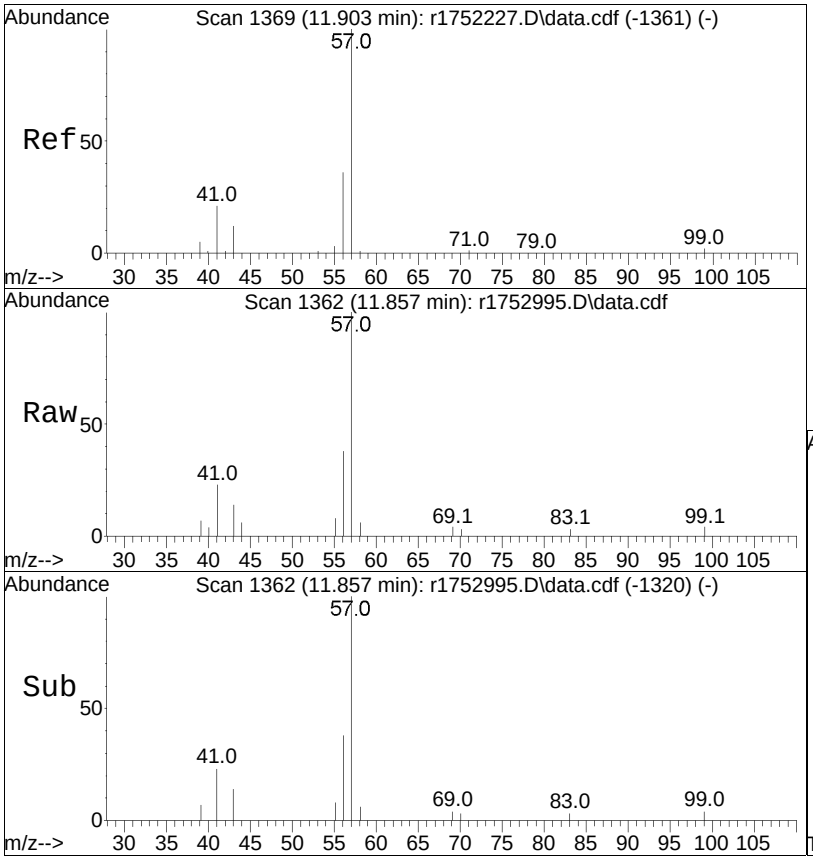


#53
cyclohexane
Concen: 0.06 ppbV
RT: 10.897 min Scan# 1218
Delta R.T. -0.047 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 56 Resp: 2774

Ion	Ratio	Lower	Upper
56	100		
84	75.2	57.8	86.8
41	58.0	35.5	53.3#

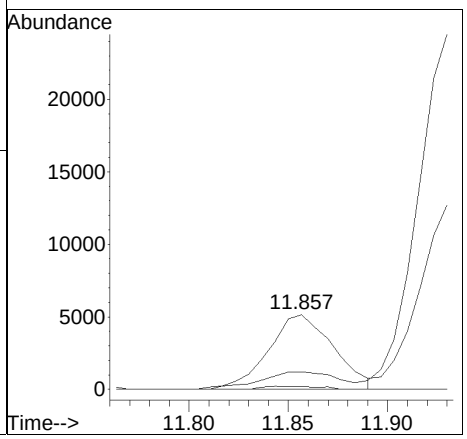


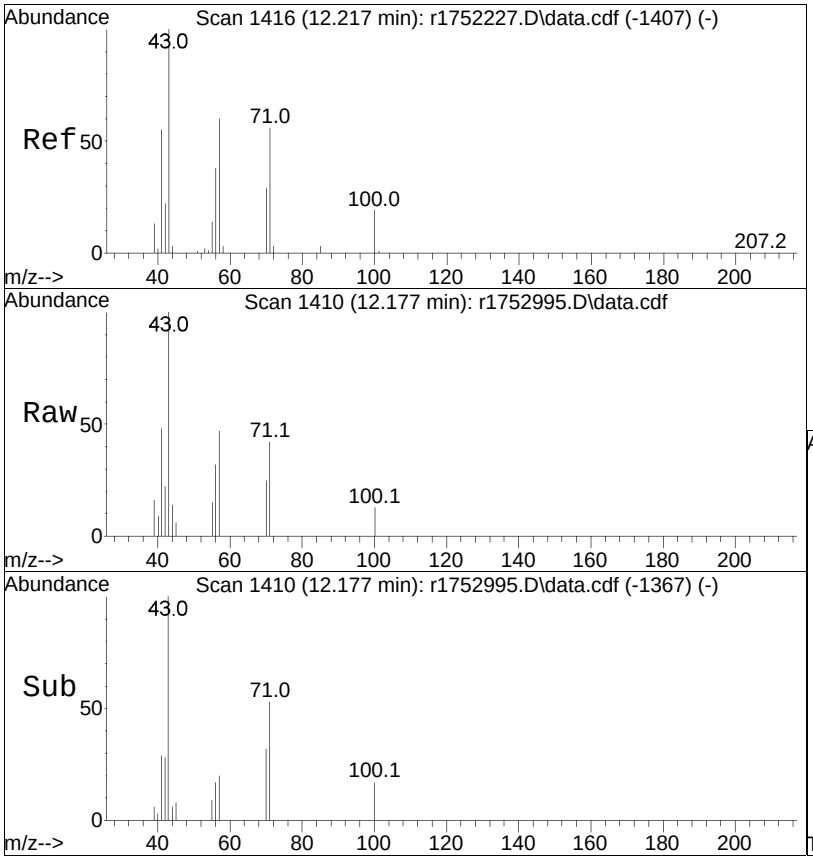


#60
2,2,4-trimethylpentane
Concen: 0.09 ppbV
RT: 11.857 min Scan# 1362
Delta R.T. -0.047 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 57 Resp: 11716

Ion	Ratio	Lower	Upper
57	100		
99	4.0	3.8	5.8
41	23.5	16.5	24.7

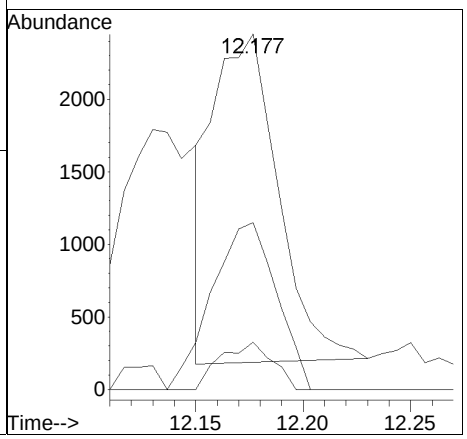


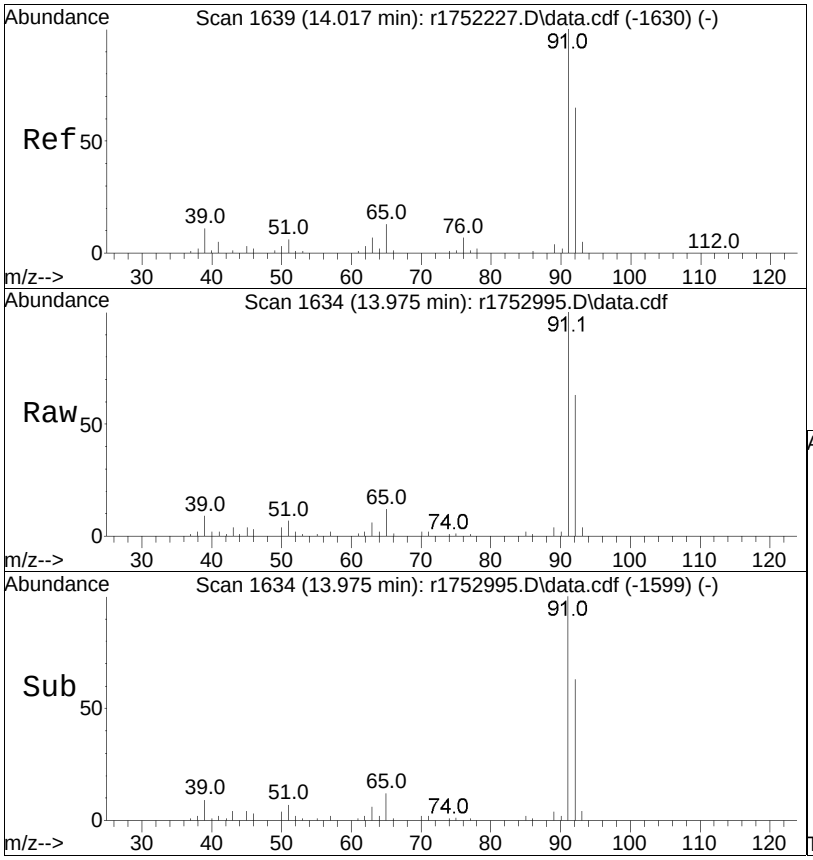


#62
heptane
Concen: 0.11 ppbV
RT: 12.177 min Scan# 1410
Delta R.T. -0.040 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 43 Resp: 4772

Ion	Ratio	Lower	Upper
43	100		
57	47.0	48.3	72.5#
100	13.3	15.4	23.0#

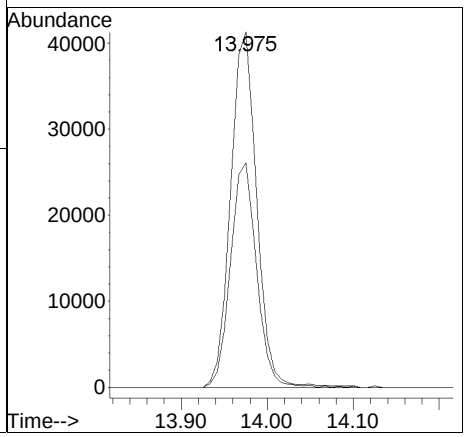


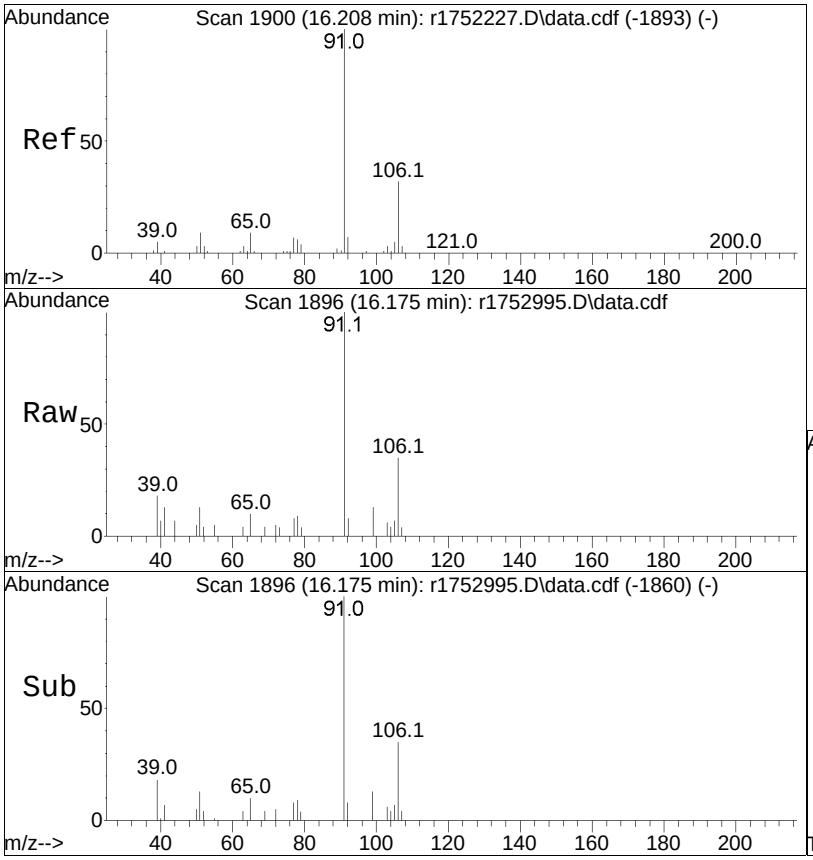


#68
toluene
Concen: 0.91 ppbV
RT: 13.975 min Scan# 1634
Delta R.T. -0.042 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 91 Resp: 87338

Ion	Ratio	Lower	Upper
91	100		
92	63.2	51.9	77.9

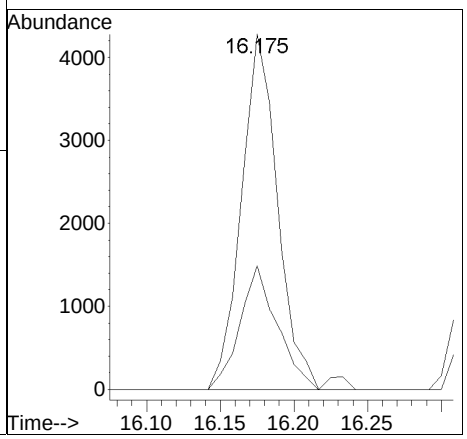


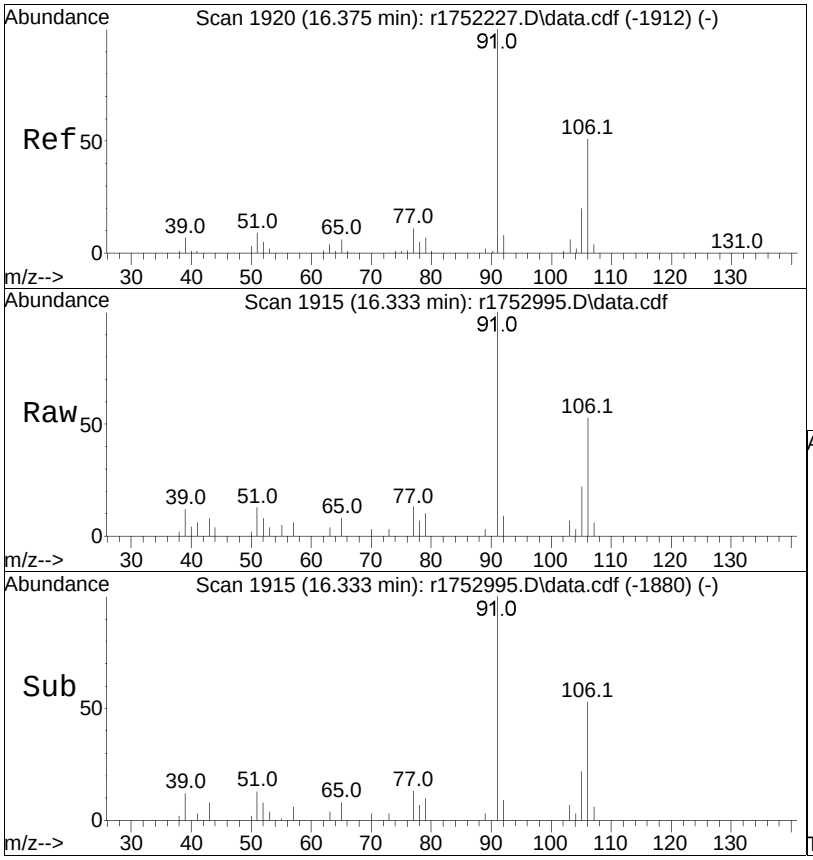


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.175 min Scan# 1896
Delta R.T. -0.033 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 91 Resp: 7432

Ion	Ratio	Lower	Upper
91	100		
106	34.8	25.7	38.5

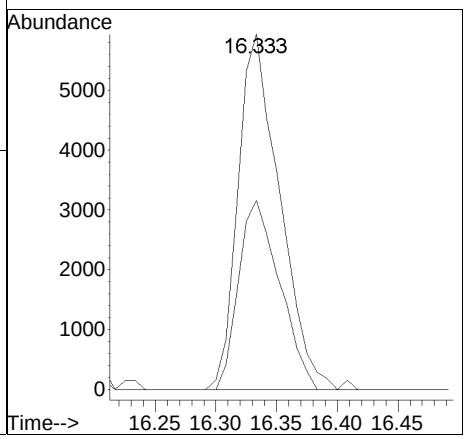


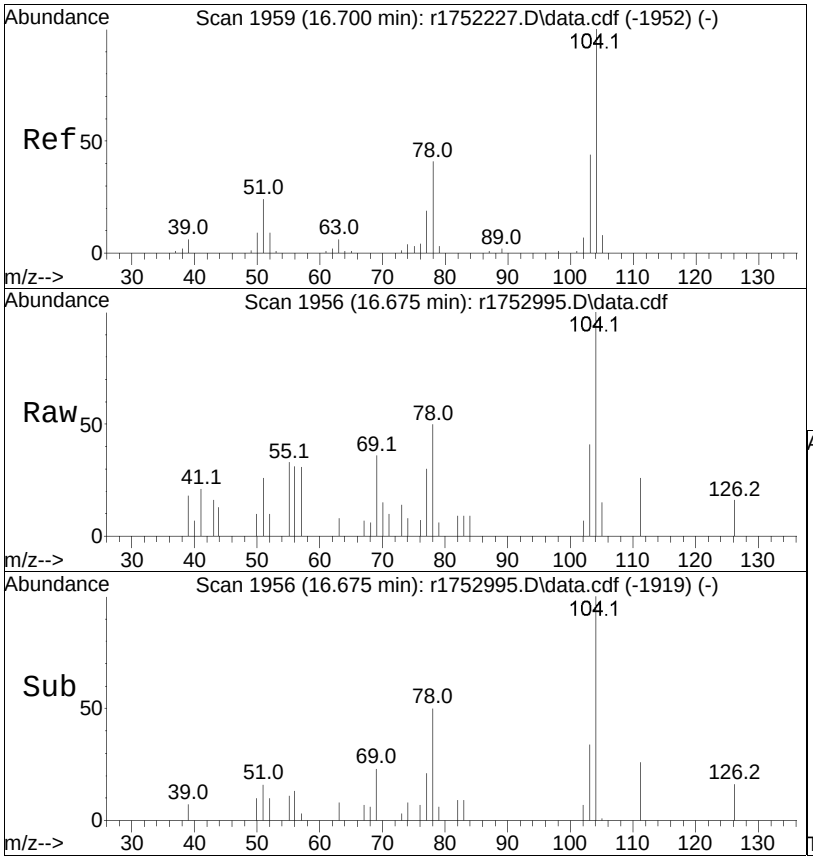


#83
m+p-xylene
Concen: 0.15 ppbV
RT: 16.333 min Scan# 1915
Delta R.T. -0.042 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 91 Resp: 14242

Ion	Ratio	Lower	Upper
91	100		
106	53.2	41.1	61.7

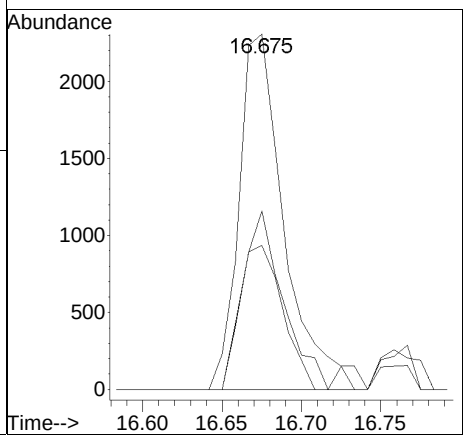


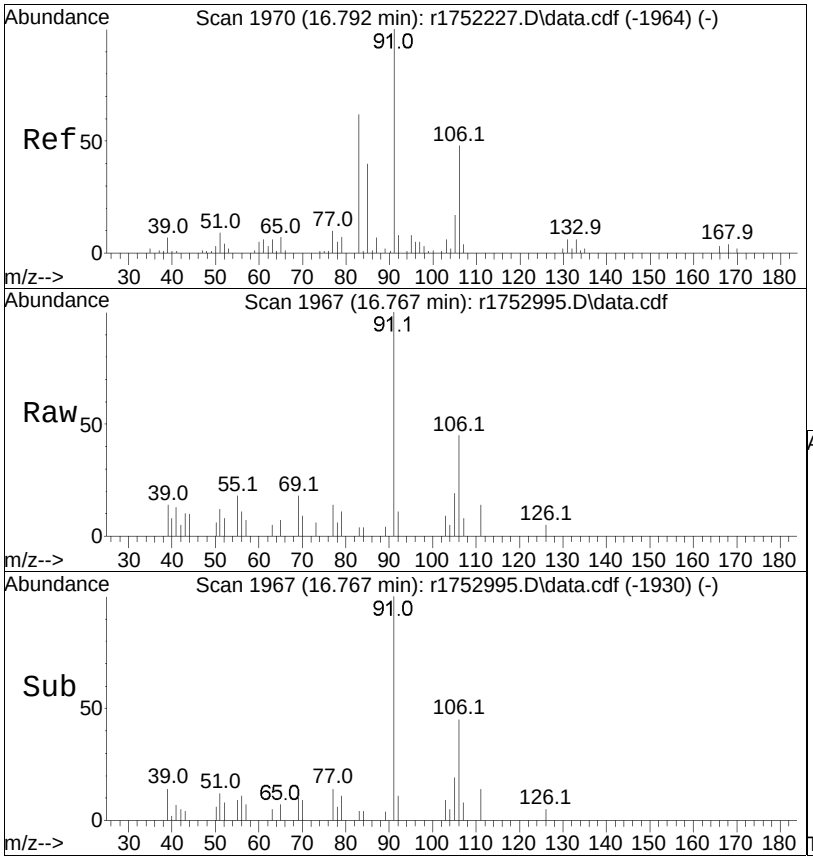


#85
styrene
Concen: 0.06 ppbV
RT: 16.675 min Scan# 1956
Delta R.T. -0.025 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:104 Resp: 4603

Ion	Ratio	Lower	Upper
104	100		
103	40.5	34.9	52.3
78	50.2	33.0	49.4#

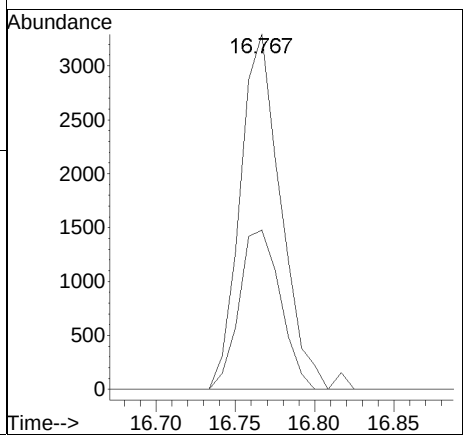


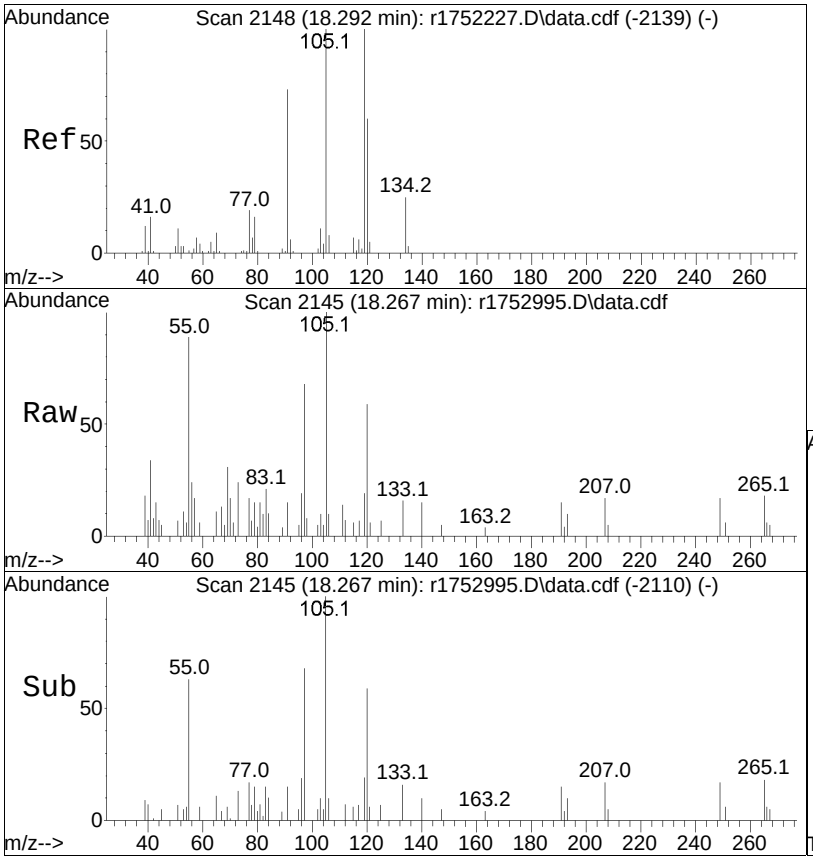


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.767 min Scan# 1967
Delta R.T. -0.025 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion: 91 Resp: 5921

Ion	Ratio	Lower	Upper
91	100		
106	44.9	38.4	57.6

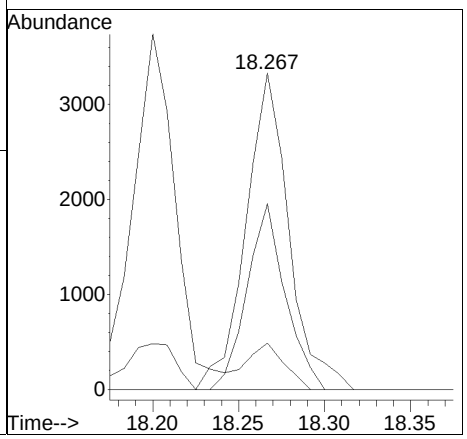




#99
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752995.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:105 Resp: 5807

Ion	Ratio	Lower	Upper
105	100		
120	58.7	48.0	72.0
91	14.7	58.3	87.5#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1752995.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 11:20 PM	Instrument	:
Sample	: L2577500-09,3,250,250	Quant Date	: 12/19/2025 8:20 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237346.D
Acq On : 18 Dec 2025 11:56 pm
Operator : AIRLAB23:TPH
Sample : L2577500-16,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 07:15:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.884	49	200813	10.000	ppbV	0.01
Standard Area = 206017			Recovery = 97.47%			
43) 1,4-difluorobenzene	11.064	114	860990	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 104.44%			
67) chlorobenzene-D5	15.733	54	109293	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 106.34%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.874	85	350215	6.450	ppbV	99
6) chloromethane	4.044	50	5657	0.376	ppbV	98
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.401		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.004	31	862889	111.448	ppbV	85
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.485	43	5705559	290.940	ppbV	92
21) trichlorofluoromethane	5.677	101	10463	0.181	ppbV	99
22) isopropyl alcohol	5.777	45	465501	22.552	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.448	59	1992	0.077	ppbV #	42
28) methylene chloride	6.516	49	1819	0.104	ppbV	97
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.813	76	16965	0.366	ppbV	99
31) Freon 113	6.807	101	2861	0.062	ppbV	97
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.213	43	10449	0.417	ppbV	97
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.958	61	37054	7.911	ppbV #	2
39) chloroform	9.031	83	20123	0.445	ppbV	99
40) Tetrahydrofuran	9.487		0	N.D.		
42) 1,2-dichloroethane	9.846		0	N.D.		
44) hexane	8.941	57	9962	0.435	ppbV #	1

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237346.D
Acq On : 18 Dec 2025 11:56 pm
Operator : AIRLAB23:TPH
Sample : L2577500-16,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 07:15:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.649	78	21097	0.336	ppbV	96
52) carbon tetrachloride	10.818	117	3741	0.064	ppbV	92
53) cyclohexane	10.950	56	1987	0.086	ppbV #	94
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.789		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.846		0	N.D.		
60) 2,2,4-trimethylpentane	11.893	57	8865	0.125	ppbV	94
62) heptane	12.204	43	3911	0.180	ppbV	91
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.902	43	2528	0.080	ppbV	91
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.978	91	116558	1.541	ppbV	100
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.146	166	49996	1.053	ppbV	99
80) chlorobenzene	15.794		0	N.D.		
81) ethylbenzene	16.107	91	35802	0.370	ppbV	95
83) m+p-xylene	16.255	91	116426	1.584	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.577	104	3999	0.069	ppbV	98
86) 1,1,2,2-tetrachloroethane	16.708		0	N.D.		
87) o-xylene	16.664	91	50458	0.679	ppbV	100
96) 4-ethyl toluene	17.674	105	23025M6	0.236	ppbV	
97) 1,3,5-trimethylbenzene	17.744	105	43607	0.530	ppbV	99
99) 1,2,4-trimethylbenzene	18.078	105	148875M6	1.693	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.261		0	N.D.		
103) 1,4-dichlorobenzene	18.261		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.079	128	39644	0.333	ppbV	100
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\Airlab23\2025\12\1218T\
Data File : R237346.D
Acq On : 18 Dec 2025 11:56 pm
Operator : AIRLAB23:TPH
Sample : L2577500-16,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 07:15:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

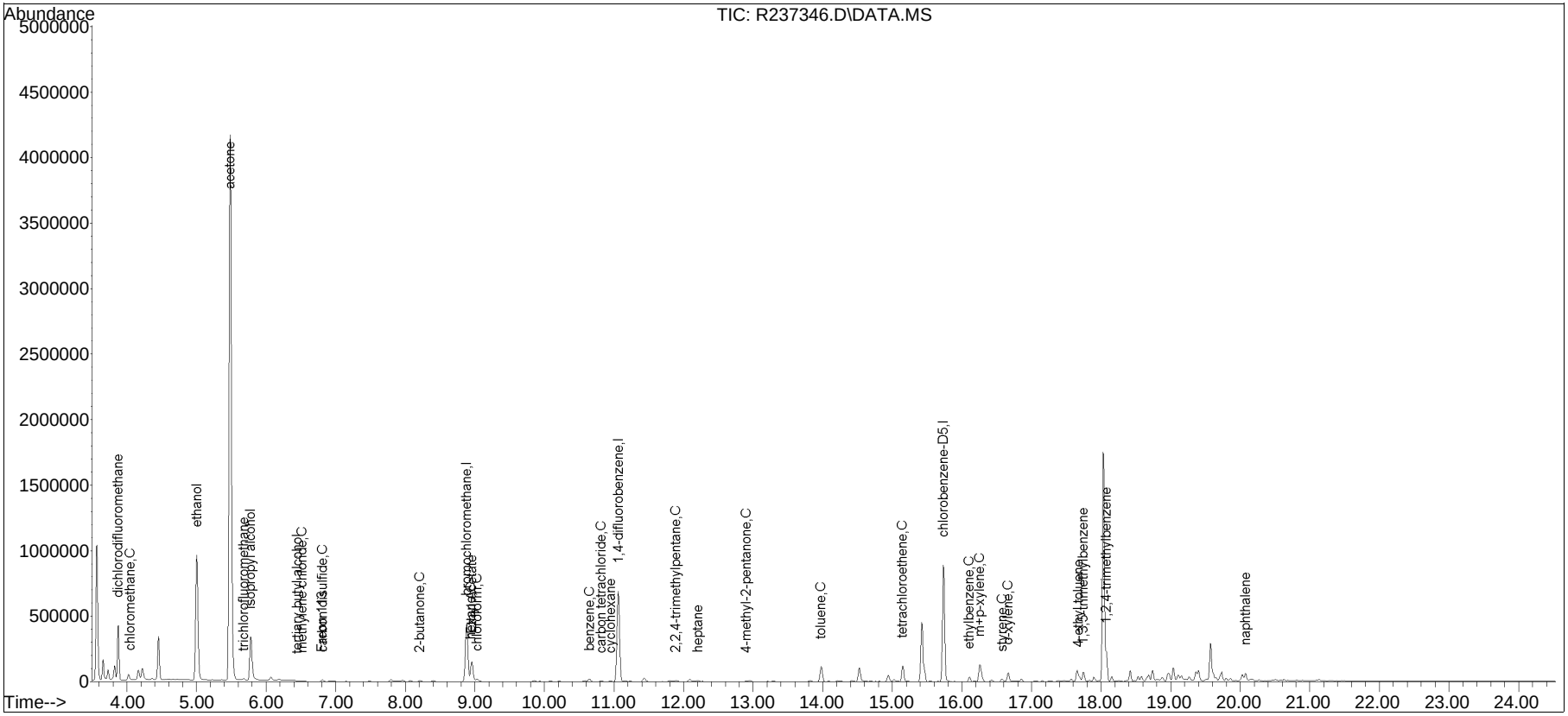
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Sub List : TO15-NY+Naphthalene - .

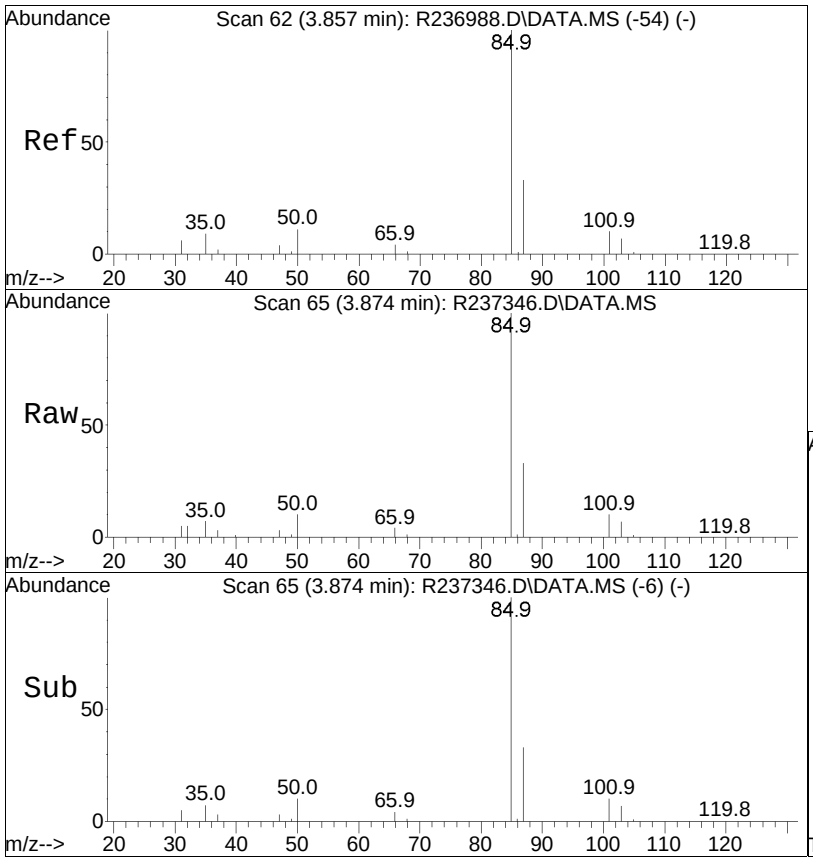
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237346.D
Acq On : 18 Dec 2025 11:56 pm
Operator : AIRLAB23:TPH
Sample : L2577500-16,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 07:15:39 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

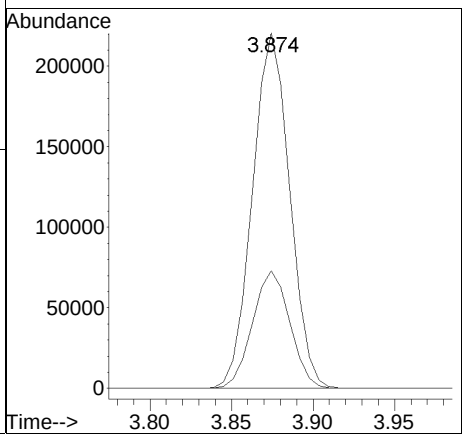


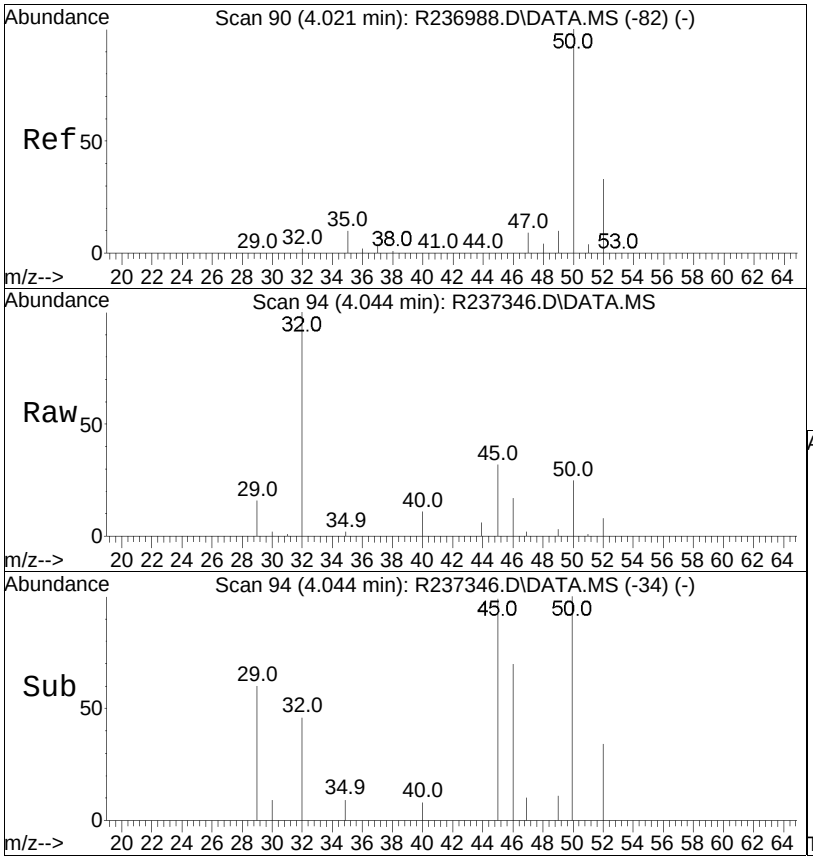


#5
dichlorodifluoromethane
Concen: 6.45 ppbV
RT: 3.874 min Scan# 65
Delta R.T. 0.018 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 85 Resp: 350215

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.8	40.2

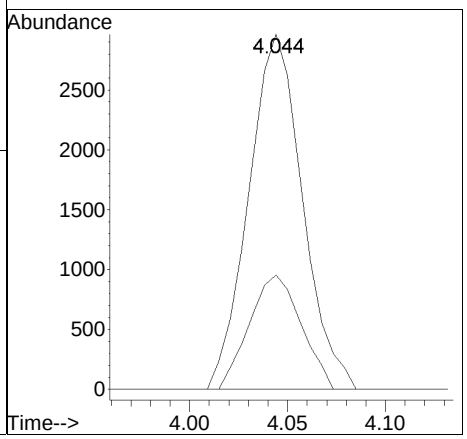


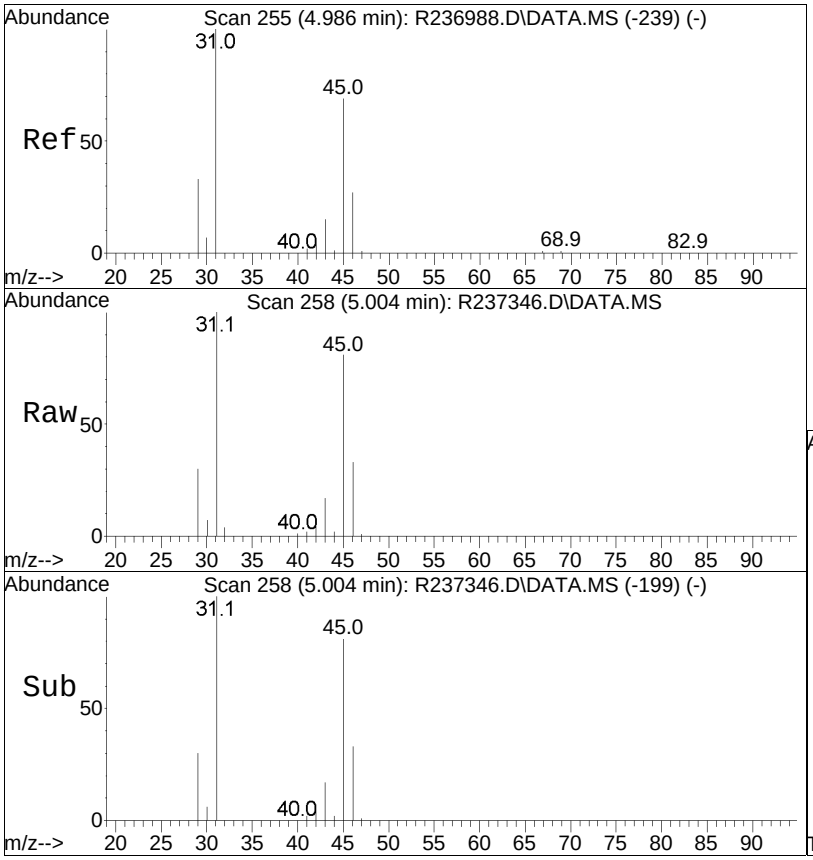


#6
chloromethane
Concen: 0.38 ppbV
RT: 4.044 min Scan# 94
Delta R.T. 0.023 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 50 Resp: 5657

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.8	40.2

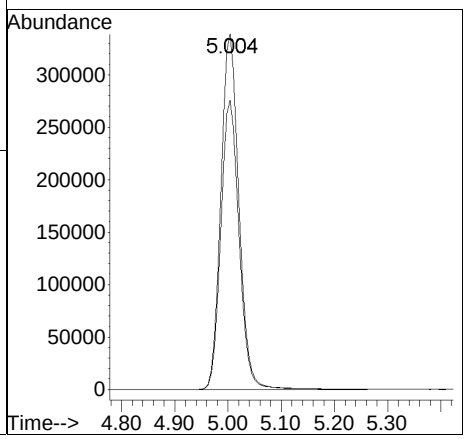


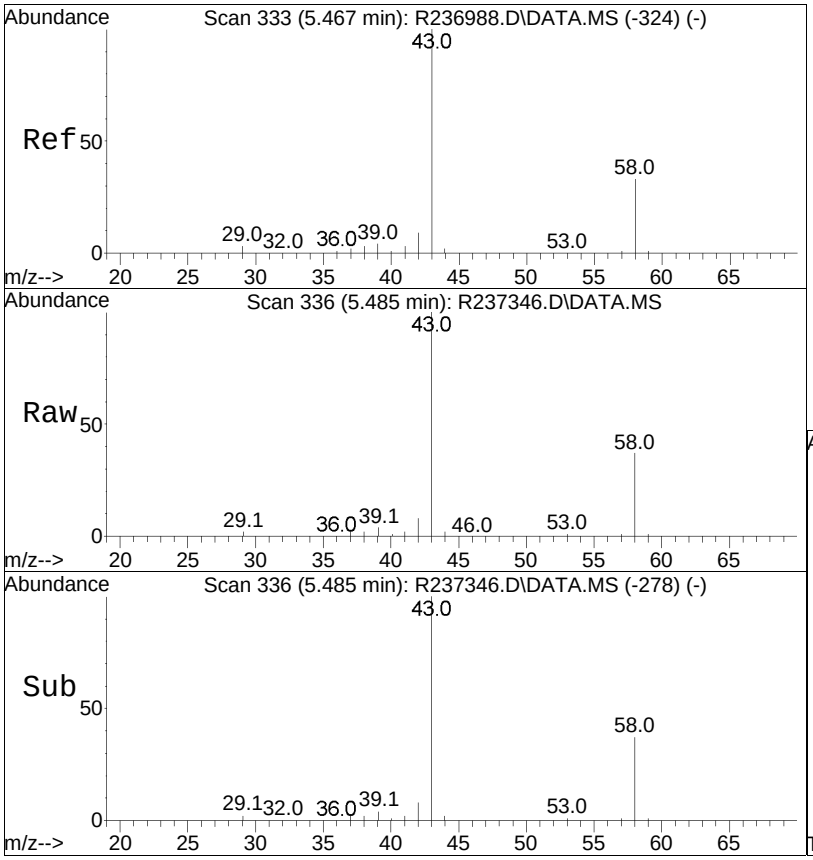


#15
ethanol
Concen: 111.45 ppbV
RT: 5.004 min Scan# 258
Delta R.T. 0.018 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 31 Resp: 862889

Ion	Ratio	Lower	Upper
31	100		
45	81.4	55.0	82.6

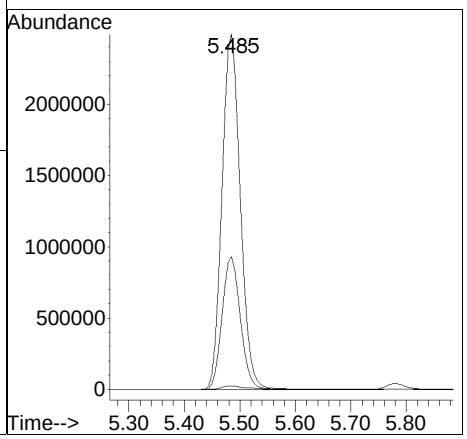


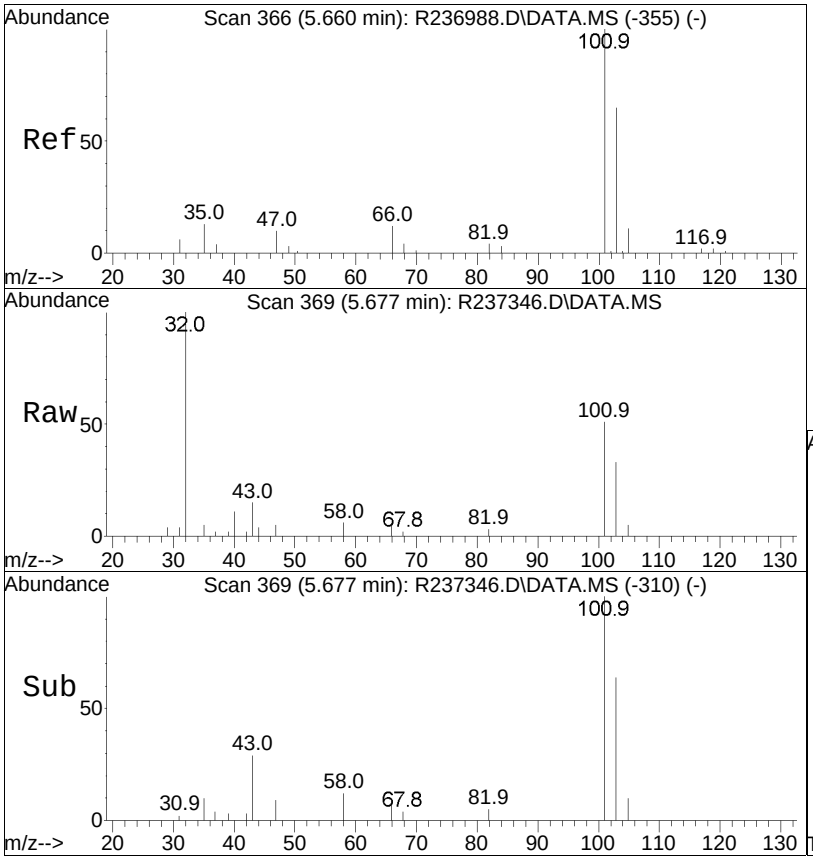


#19
acetone
Concen: 290.94 ppbV
RT: 5.485 min Scan# 336
Delta R.T. 0.018 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 43 Resp: 5705559

Ion	Ratio	Lower	Upper
43	100		
58	37.4	26.2	39.4
57	1.0	0.7	1.1

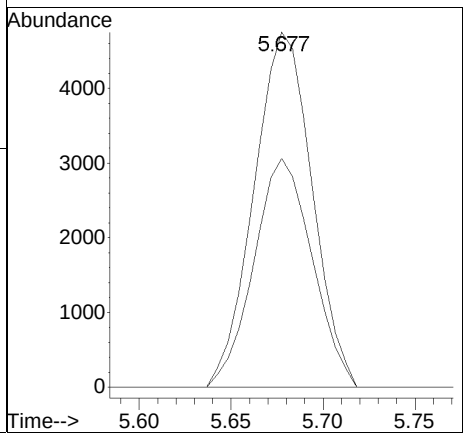


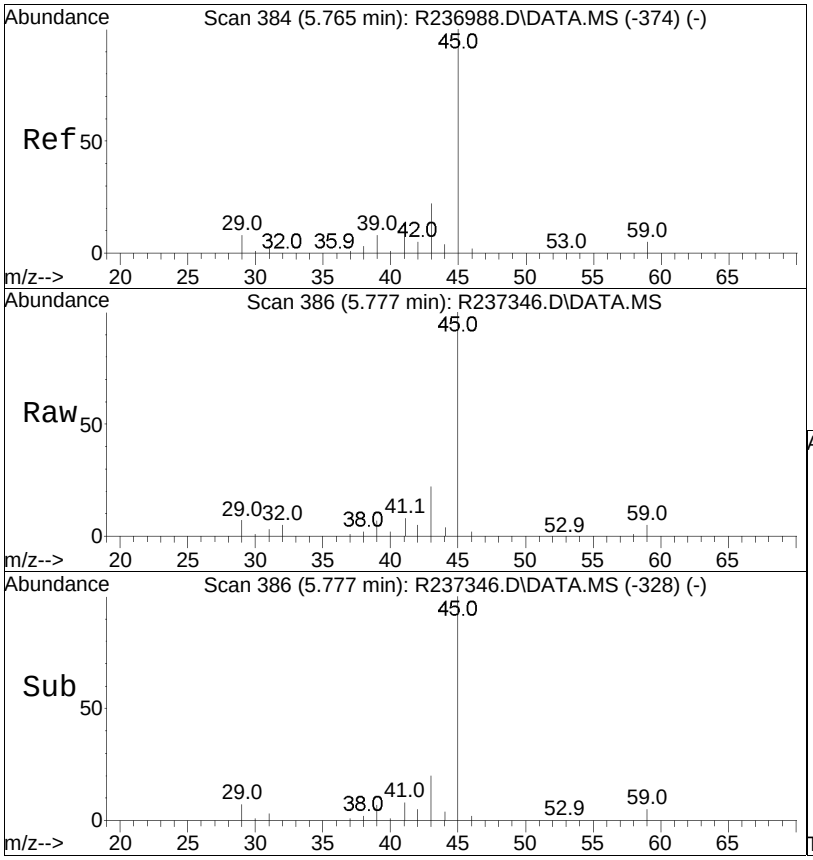


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.677 min Scan# 369
Delta R.T. 0.018 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:101 Resp: 10463

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

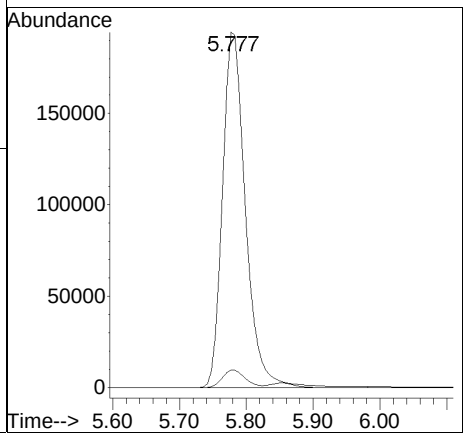


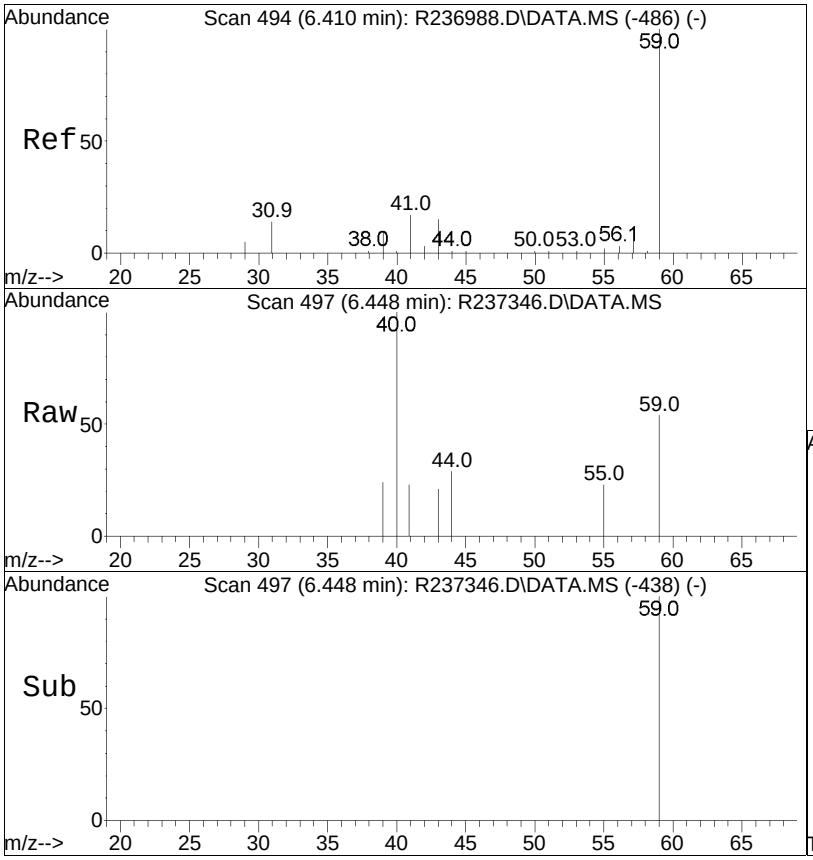


#22
isopropyl alcohol
Concen: 22.55 ppbV
RT: 5.777 min Scan# 386
Delta R.T. 0.012 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 45 Resp: 465501

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.8	5.6

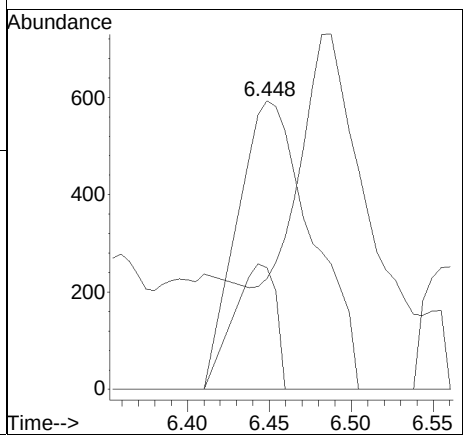


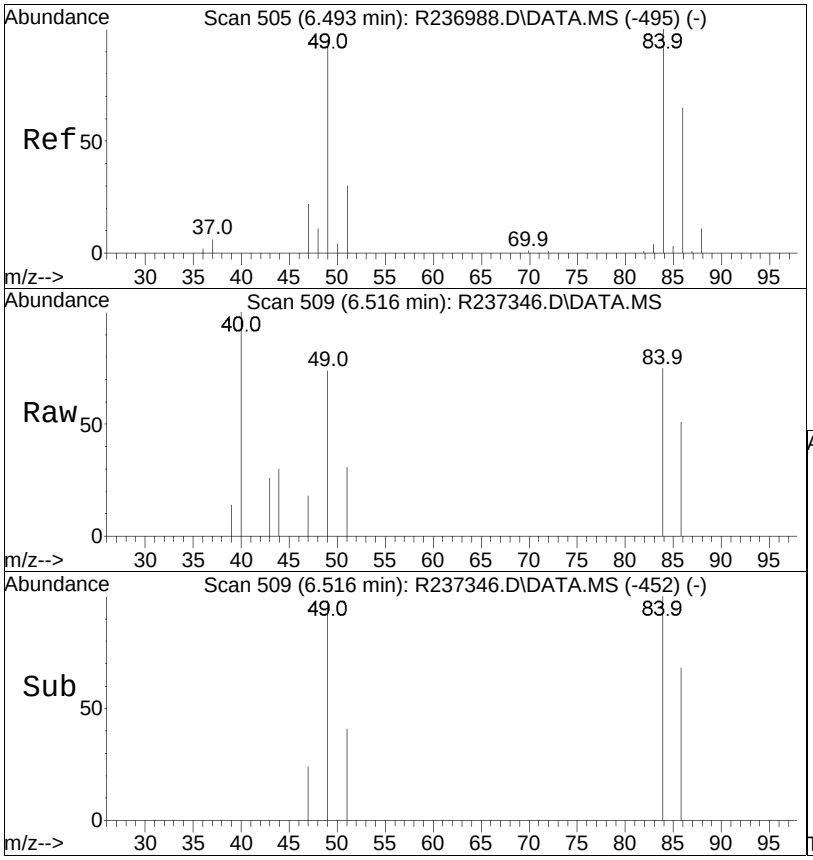


#27
tertiary butyl alcohol
Concen: 0.08 ppbV
RT: 6.448 min Scan# 497
Delta R.T. 0.038 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 59 Resp: 1992

Ion	Ratio	Lower	Upper
59	100		
41	42.2	13.6	20.4#
43	38.4	11.7	17.5#

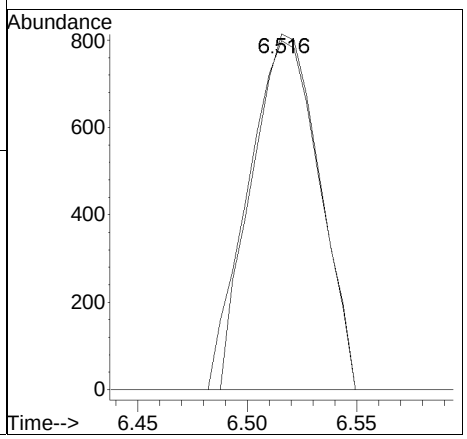


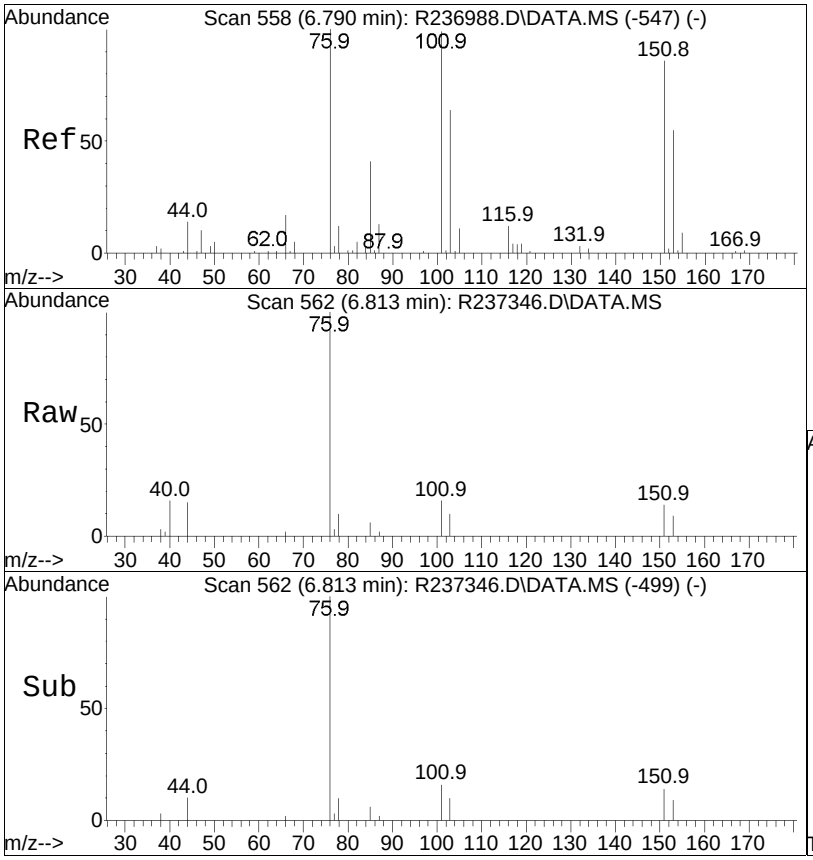


#28
methylene chloride
Concen: 0.10 ppbV
RT: 6.516 min Scan# 509
Delta R.T. 0.022 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 49 Resp: 1819

Ion	Ratio	Lower	Upper
49	100		
84	101.9	83.7	125.5

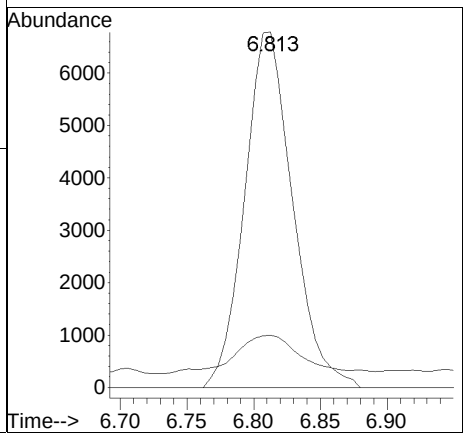


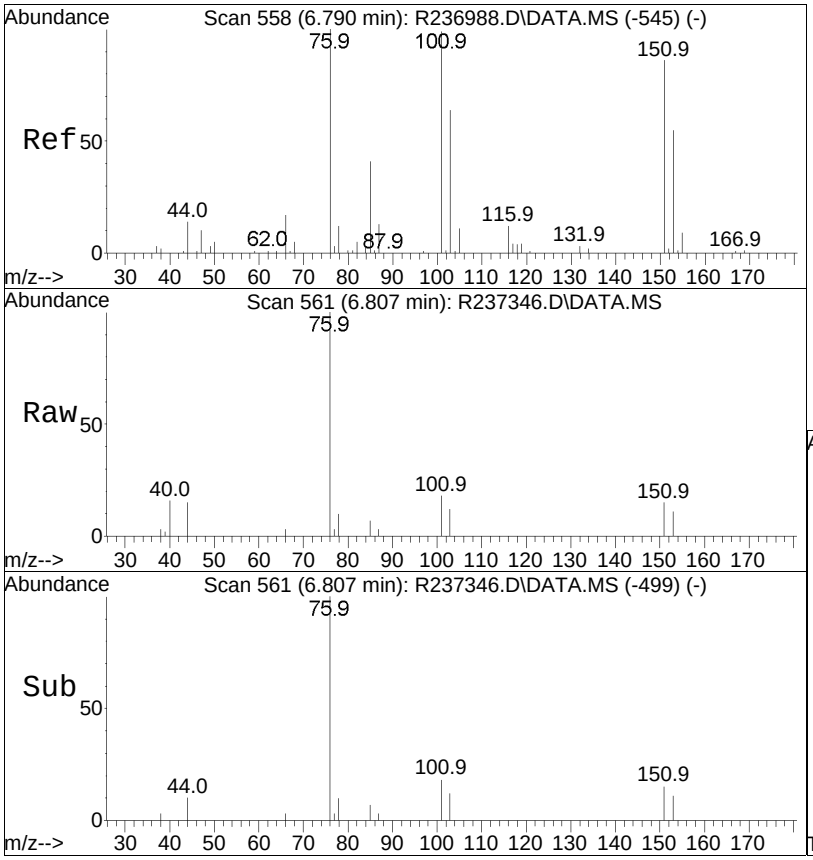


#30
carbon disulfide
Concen: 0.37 ppbV
RT: 6.813 min Scan# 562
Delta R.T. 0.022 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 76 Resp: 16965

Ion	Ratio	Lower	Upper
76	100		
44	14.7	11.5	17.3

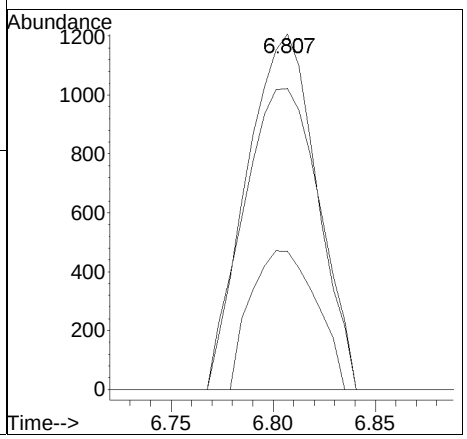


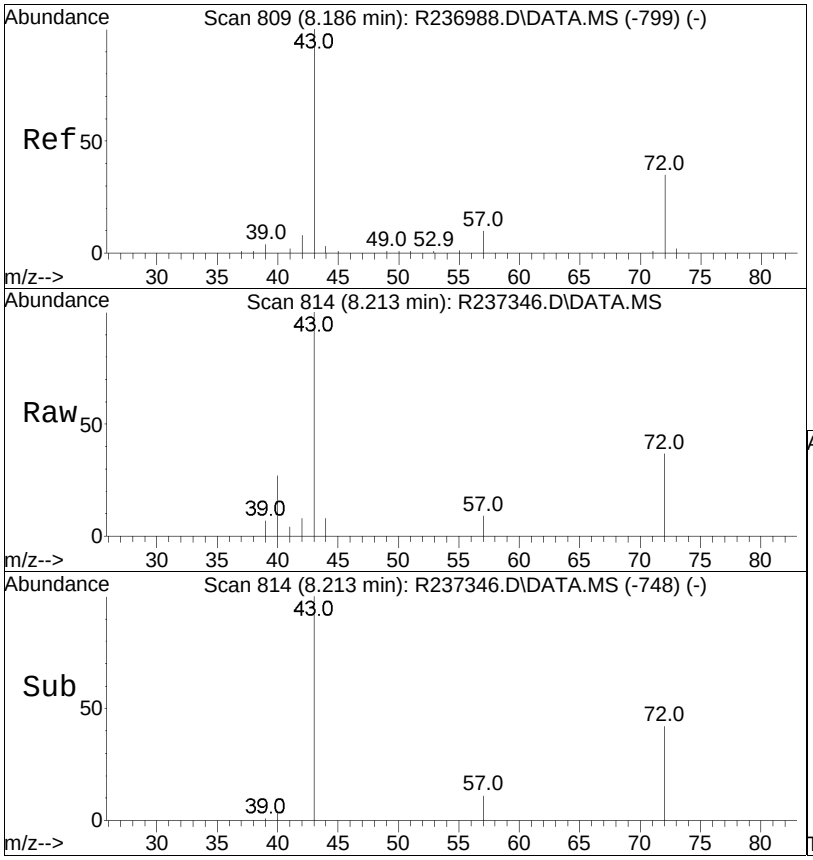


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.807 min Scan# 561
Delta R.T. 0.017 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:101 Resp: 2861

Ion	Ratio	Lower	Upper
101	100		
85	38.9	33.0	49.6
151	84.7	69.8	104.8

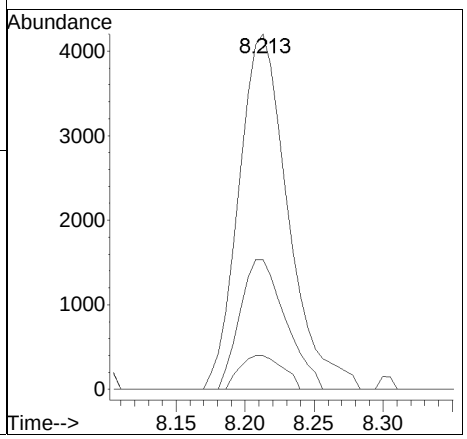


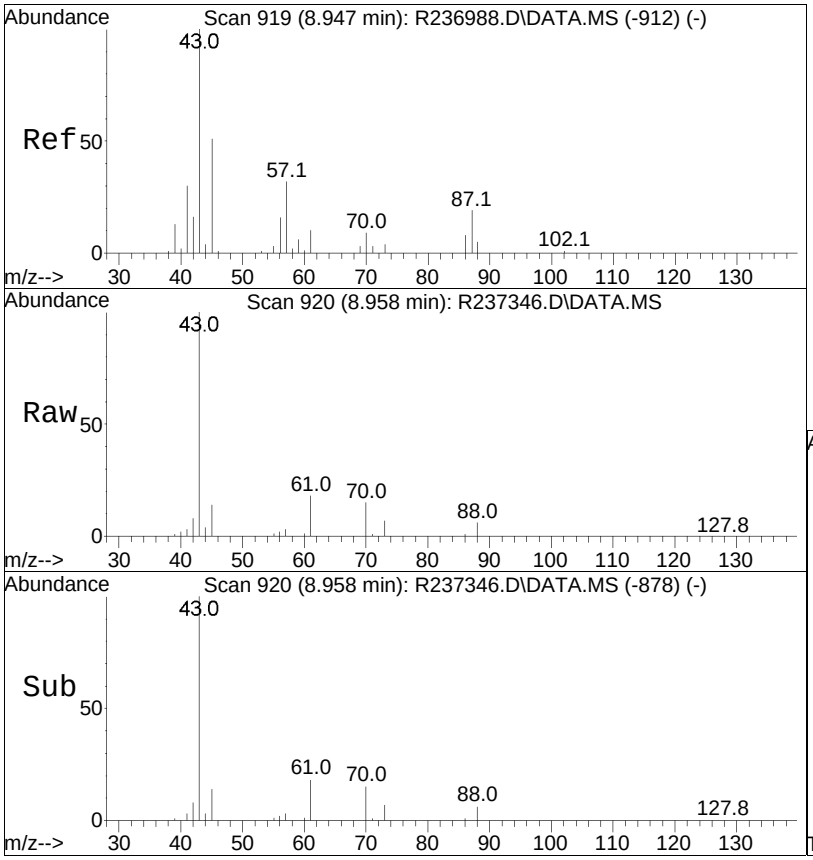


#36
2-butanone
Concen: 0.42 ppbV
RT: 8.213 min Scan# 814
Delta R.T. 0.027 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 43 Resp: 10449

Ion	Ratio	Lower	Upper
43	100		
72	36.6	27.8	41.6
57	9.5	7.7	11.5

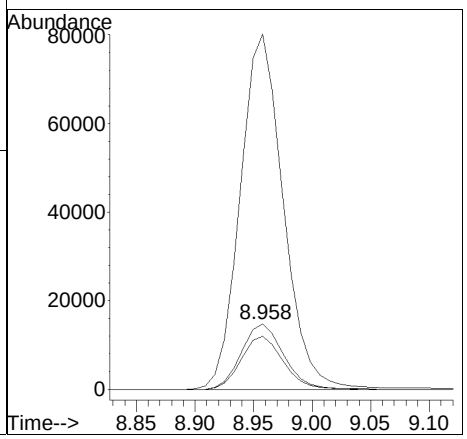


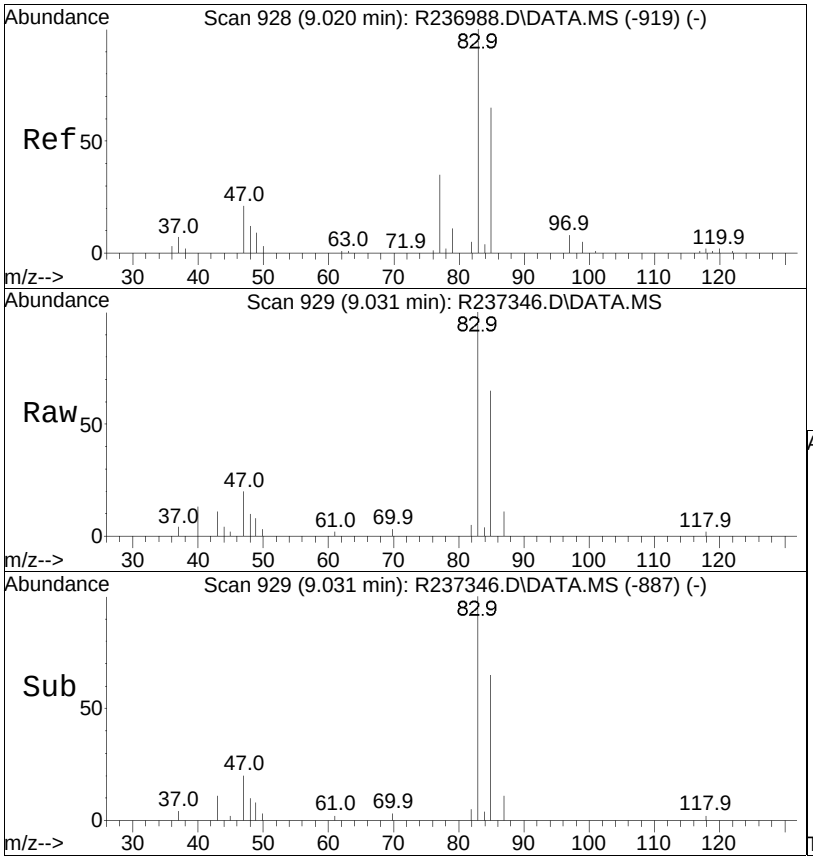


#38
Ethyl Acetate
Concen: 7.91 ppbV
RT: 8.958 min Scan# 920
Delta R.T. 0.011 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 61 Resp: 37054

Ion	Ratio	Lower	Upper
61	100		
70	81.3	72.2	108.2
43	543.2	818.1	1227.1#

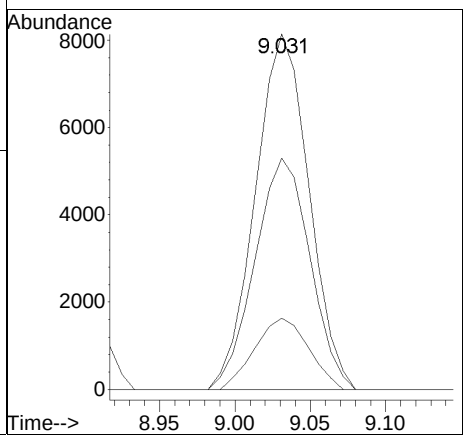


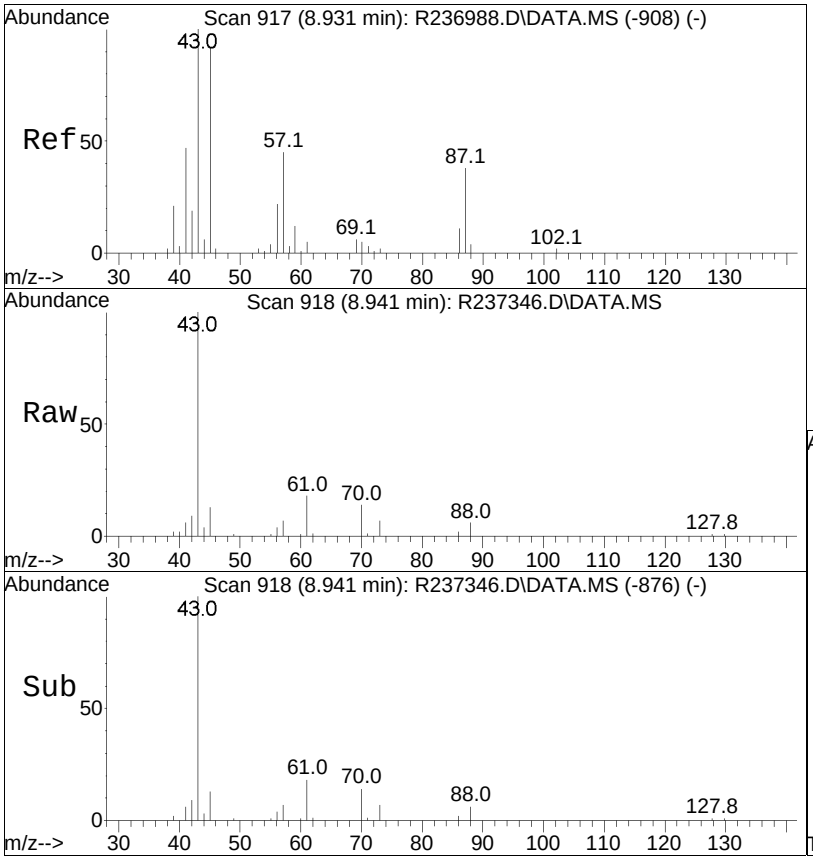


#39
chloroform
Concen: 0.44 ppbV
RT: 9.031 min Scan# 929
Delta R.T. 0.011 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 83 Resp: 20123

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5
47	20.1	17.1	25.7

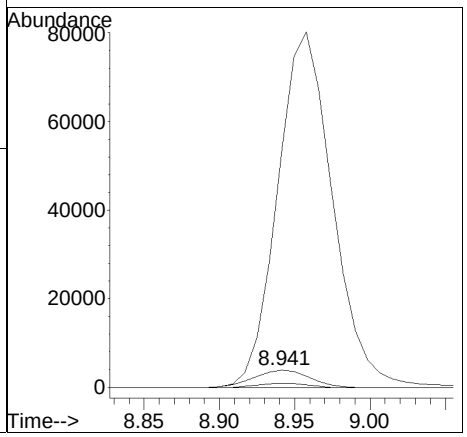


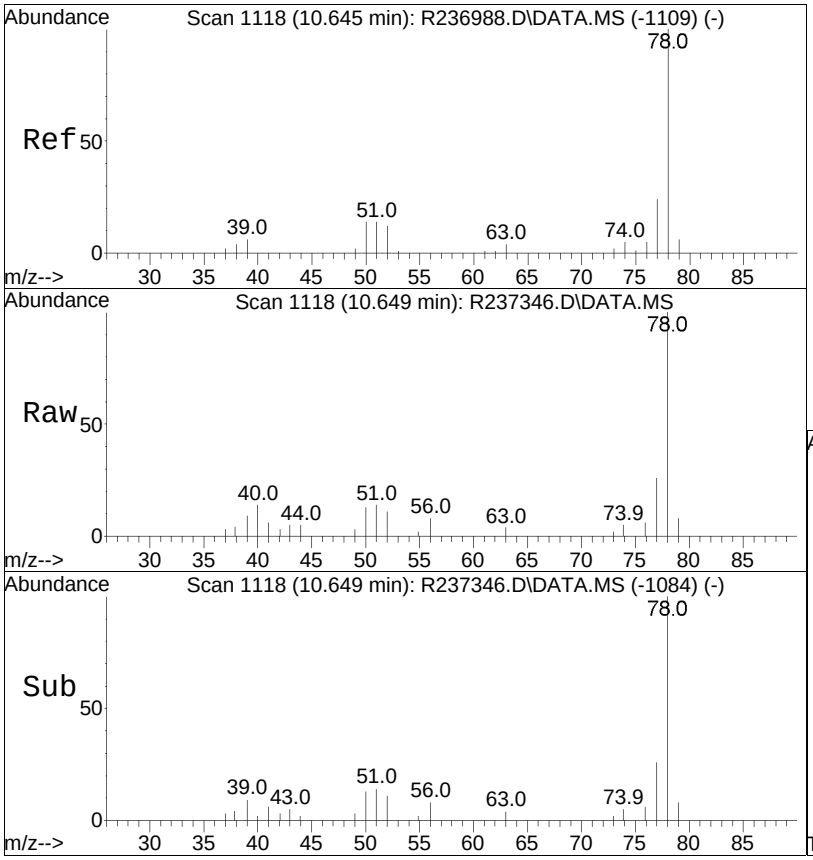


#44
hexane
Concen: 0.44 ppbV
RT: 8.941 min Scan# 918
Delta R.T. 0.011 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 57 Resp: 9962

Ion	Ratio	Lower	Upper
57	100		
43	1363.1	177.1	265.7#
86	24.5	18.6	28.0

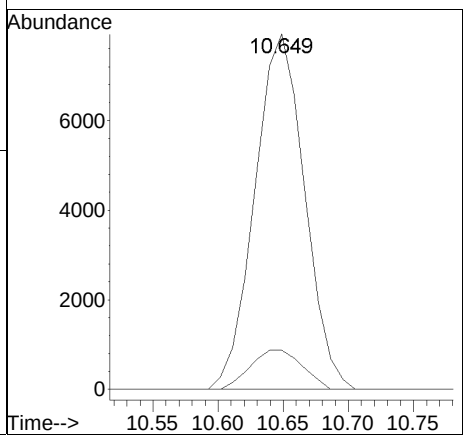


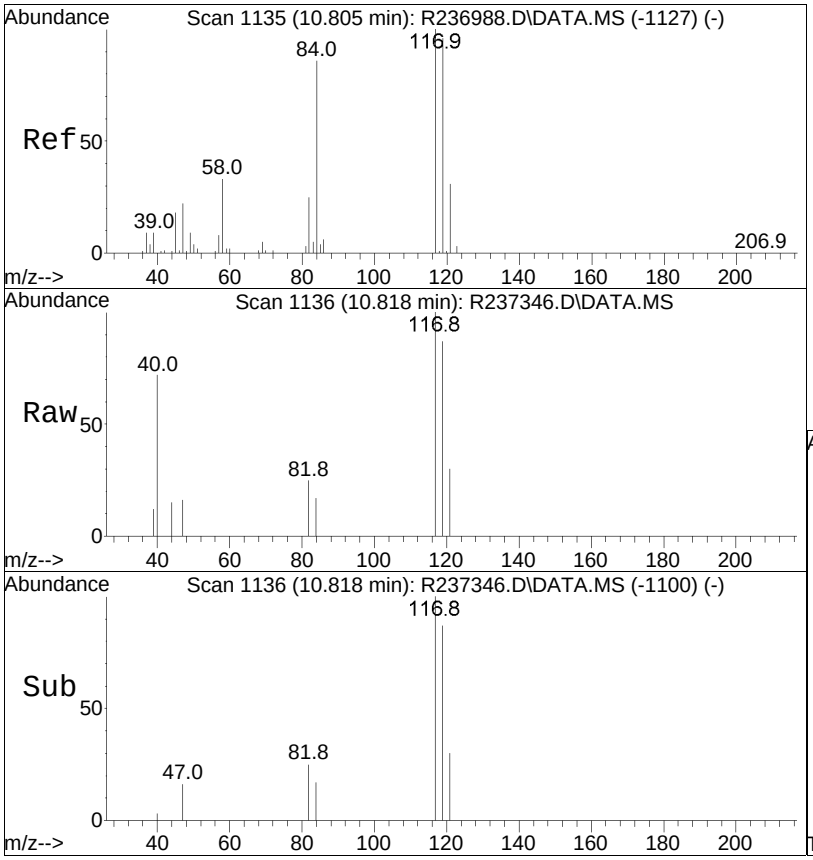


#50
benzene
Concen: 0.34 ppbV
RT: 10.649 min Scan# 1118
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 78 Resp: 21097

Ion	Ratio	Lower	Upper
78	100		
52	11.0	9.9	14.9

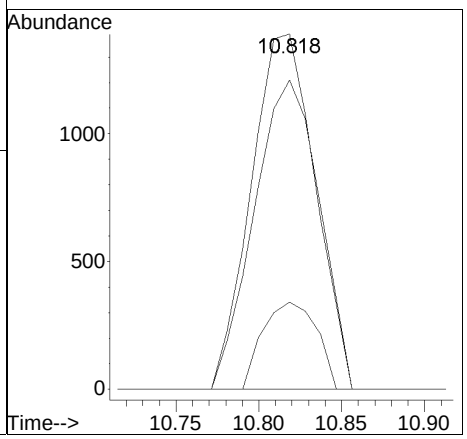


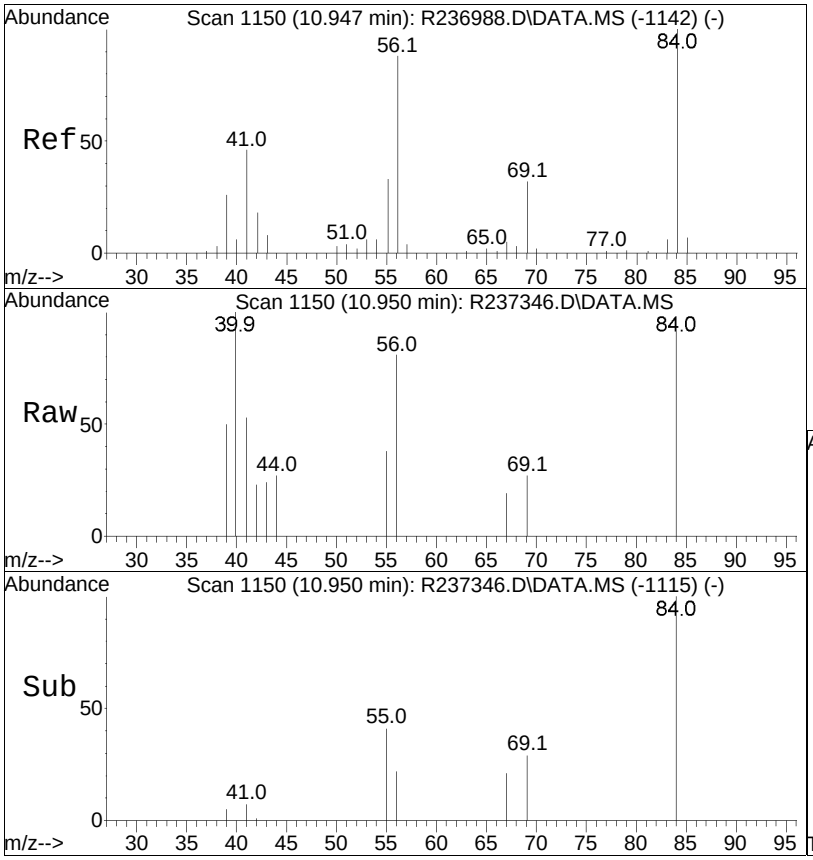


#52
carbon tetrachloride
Concen: 0.06 ppbV
RT: 10.818 min Scan# 1136
Delta R.T. 0.013 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:117 Resp: 3741

Ion	Ratio	Lower	Upper
117	100		
119	87.1	76.9	115.3
82	24.5	20.0	30.0

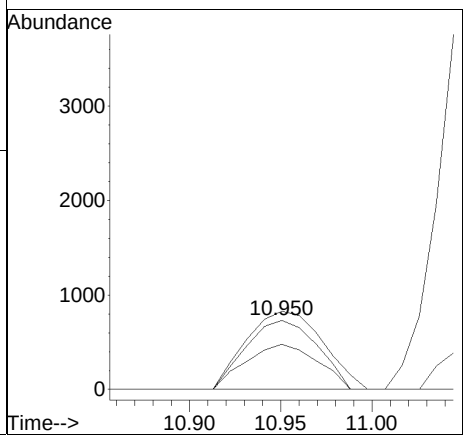


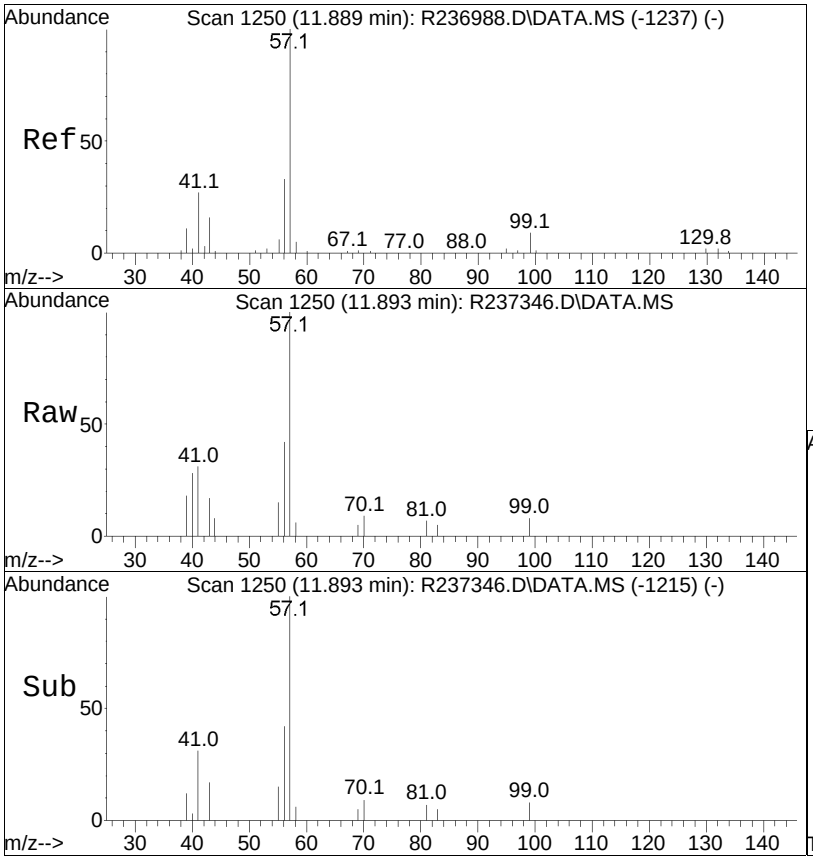


#53
cyclohexane
Concen: 0.09 ppbV
RT: 10.950 min Scan# 1150
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 56 Resp: 1987

Ion	Ratio	Lower	Upper
56	100		
84	113.3	91.1	136.7
41	65.4	42.2	63.2#

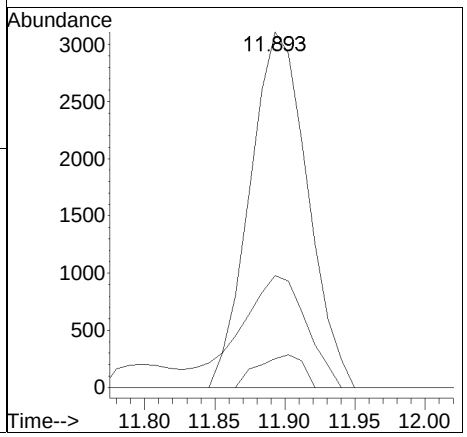


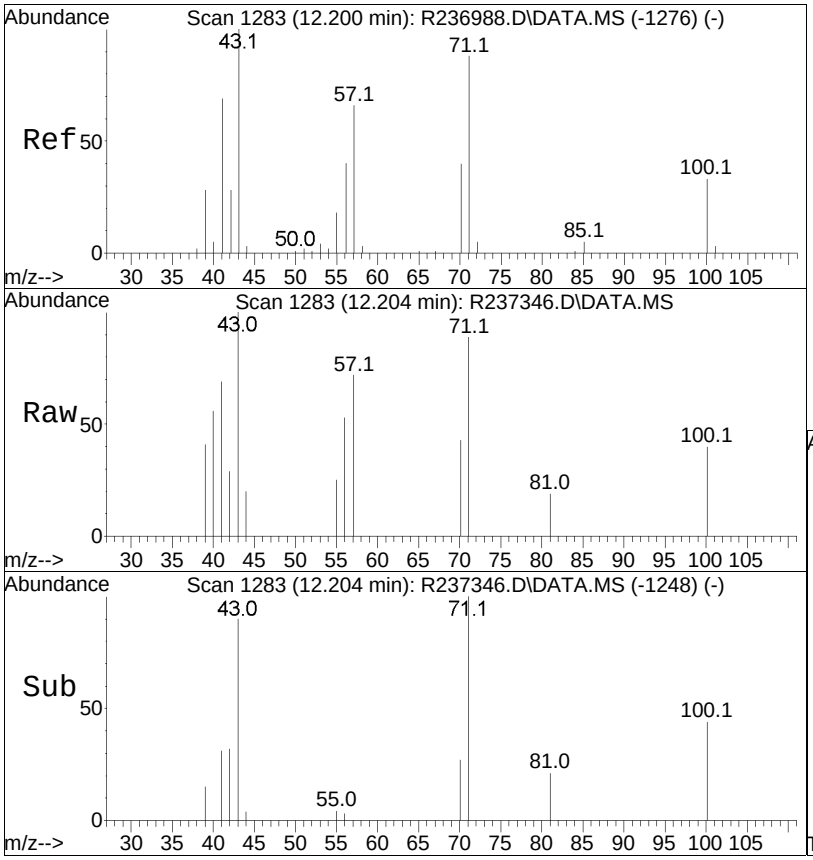


#60
2,2,4-trimethylpentane
Concen: 0.13 ppbV
RT: 11.893 min Scan# 1250
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 57 Resp: 8865

Ion	Ratio	Lower	Upper
57	100		
99	8.1	6.8	10.2
41	31.5	21.8	32.8

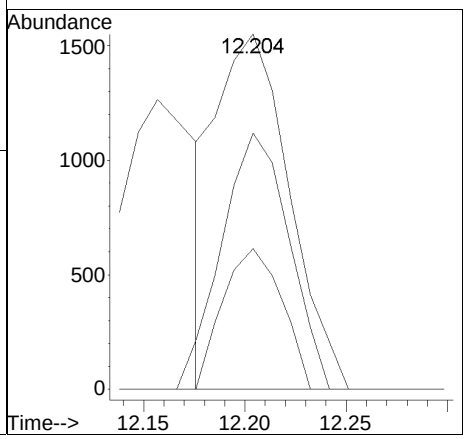


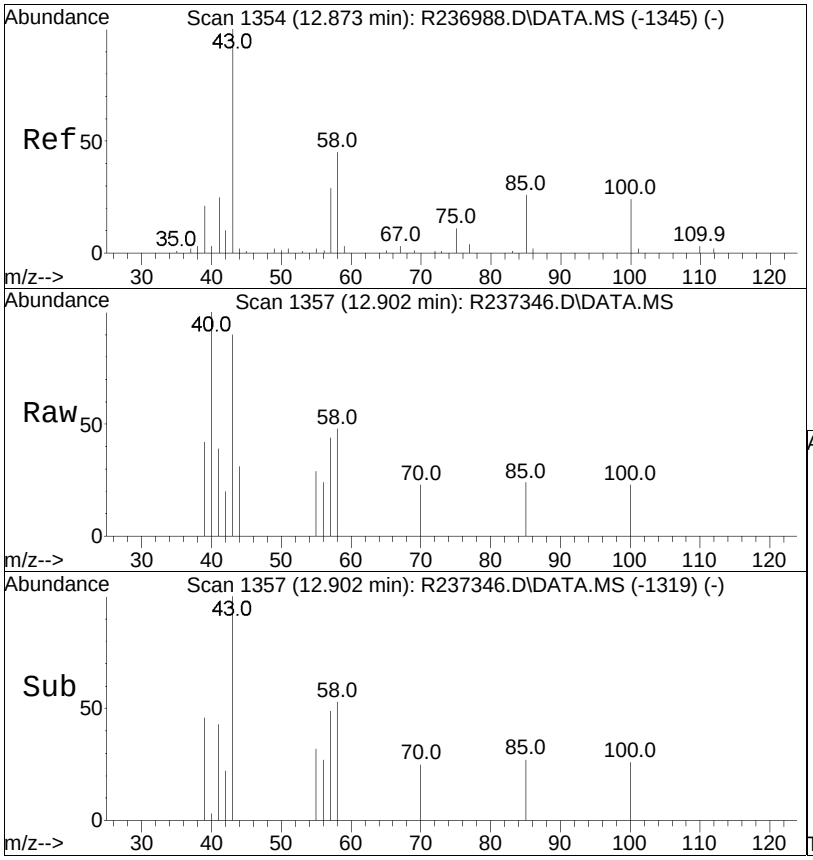


#62
heptane
Concen: 0.18 ppbV
RT: 12.204 min Scan# 1283
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 43 Resp: 3911

Ion	Ratio	Lower	Upper
43	100		
57	72.1	52.8	79.2
100	39.6	26.8	40.2

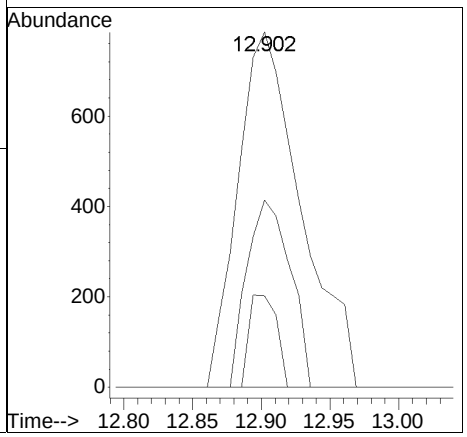


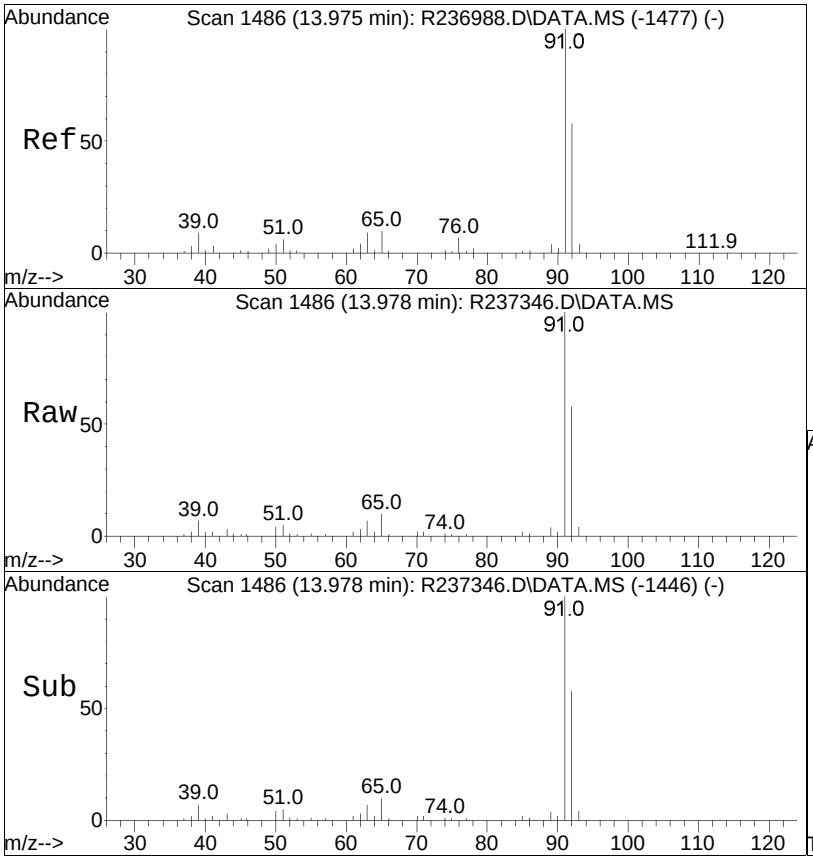


#64
4-methyl-2-pentanone
Concen: 0.08 ppbV
RT: 12.902 min Scan# 1357
Delta R.T. 0.029 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 43 Resp: 2528

Ion	Ratio	Lower	Upper
43	100		
58	52.7	35.7	53.5
100	25.7	19.0	28.6

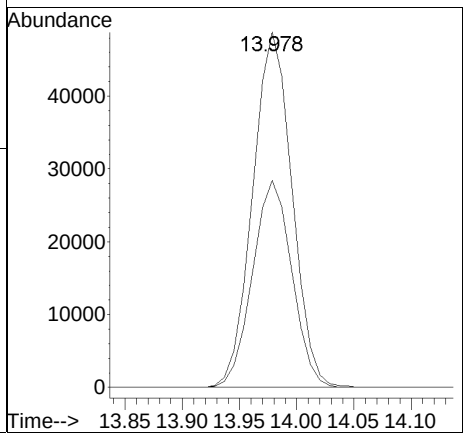


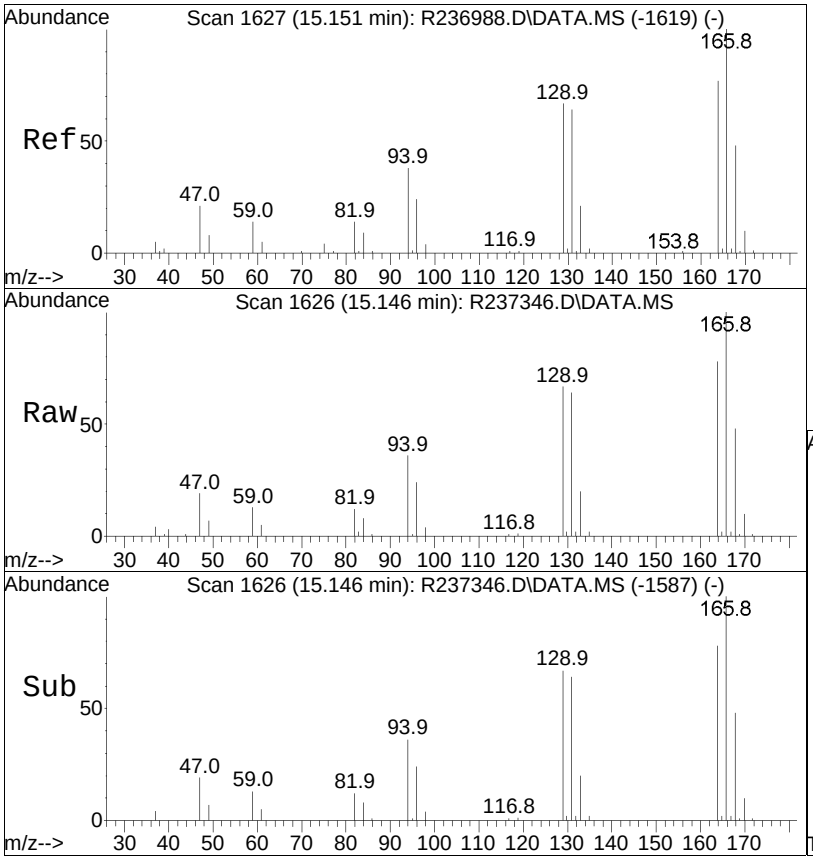


#68
toluene
Concen: 1.54 ppbV
RT: 13.978 min Scan# 1486
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 91 Resp: 116558

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.6	70.0

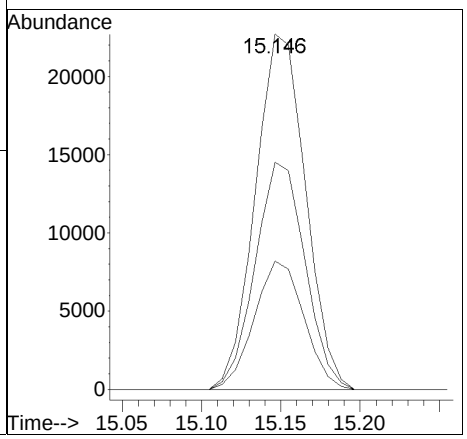


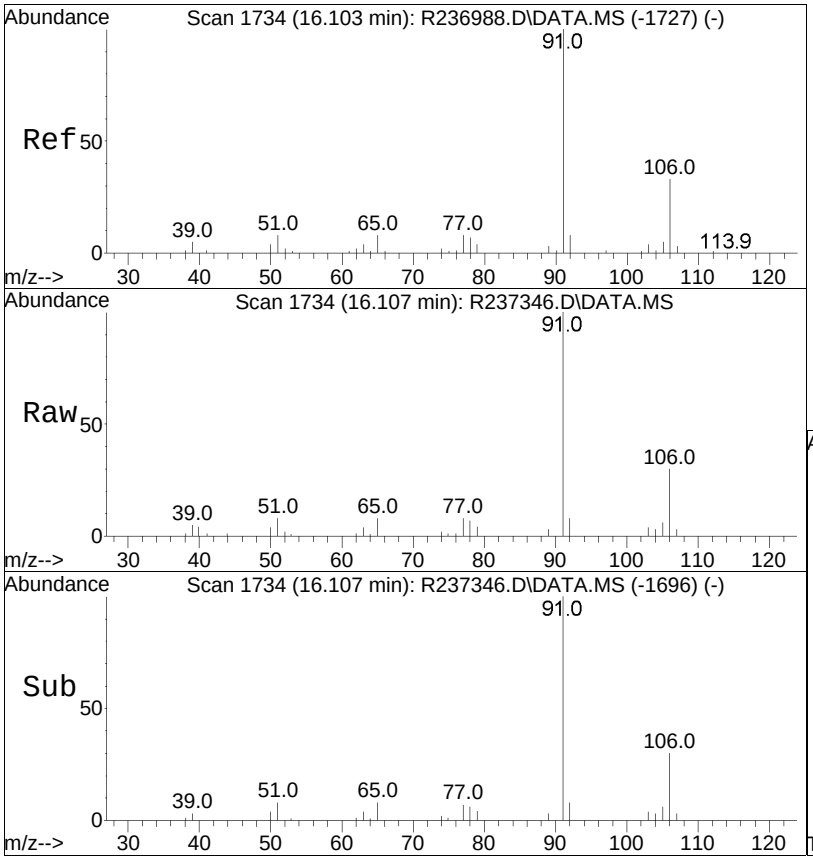


#78
tetrachloroethene
Concen: 1.05 ppbV
RT: 15.146 min Scan# 1626
Delta R.T. -0.005 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:166 Resp: 49996

Ion	Ratio	Lower	Upper
166	100		
131	63.9	51.4	77.0
94	36.1	30.2	45.2

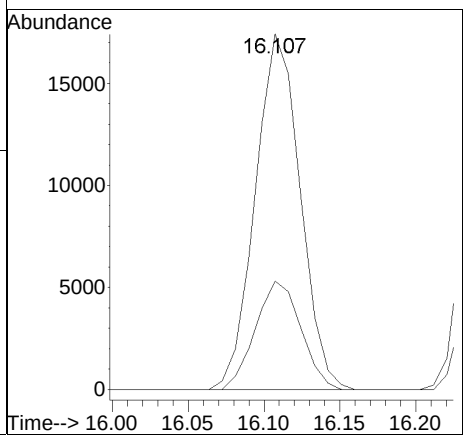


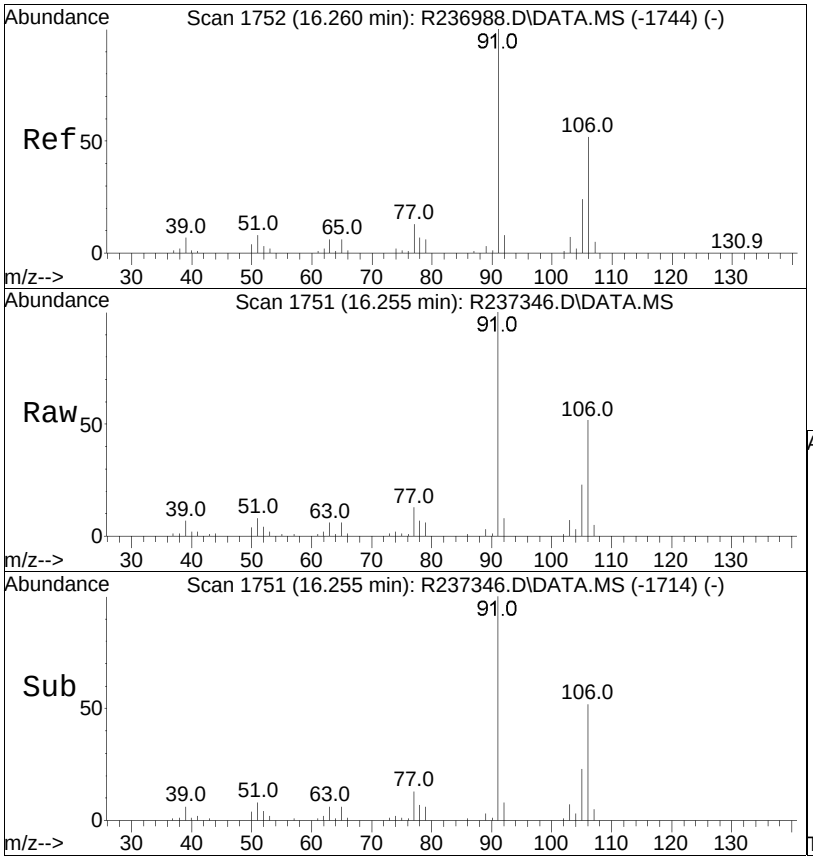


#81
ethylbenzene
Concen: 0.37 ppbV
RT: 16.107 min Scan# 1734
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 91 Resp: 35802

Ion	Ratio	Lower	Upper
91	100		
106	30.5	26.6	40.0

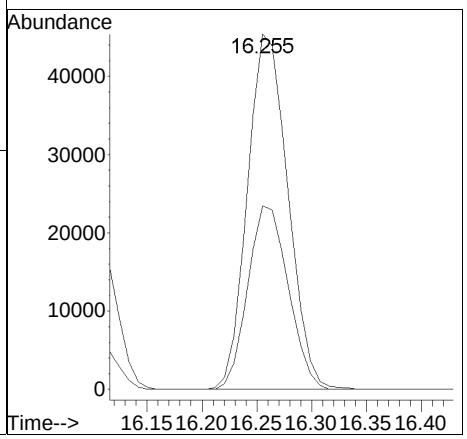


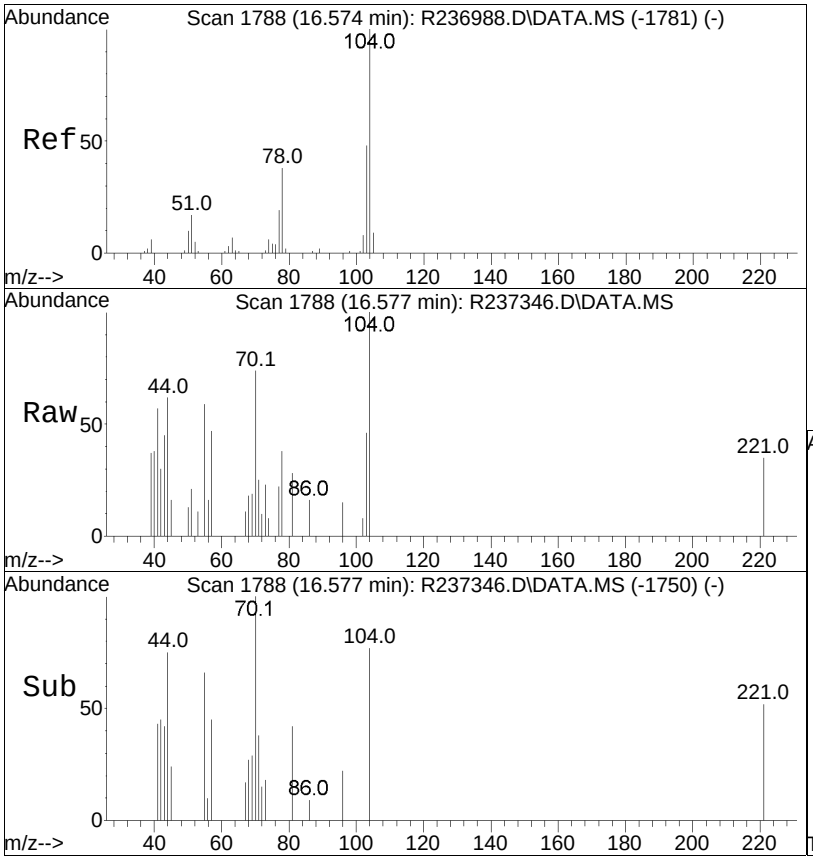


#83
m+p-xylene
Concen: 1.58 ppbV
RT: 16.255 min Scan# 1751
Delta R.T. -0.005 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 91 Resp: 116426

Ion	Ratio	Lower	Upper
91	100		
106	51.7	41.7	62.5

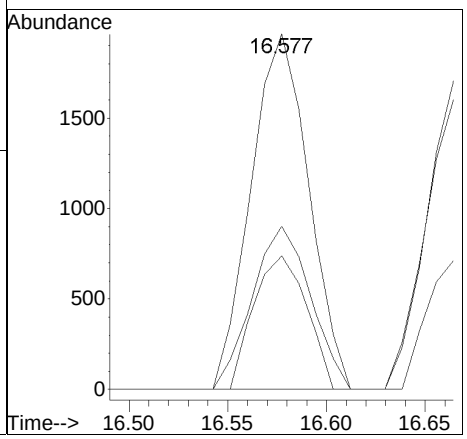


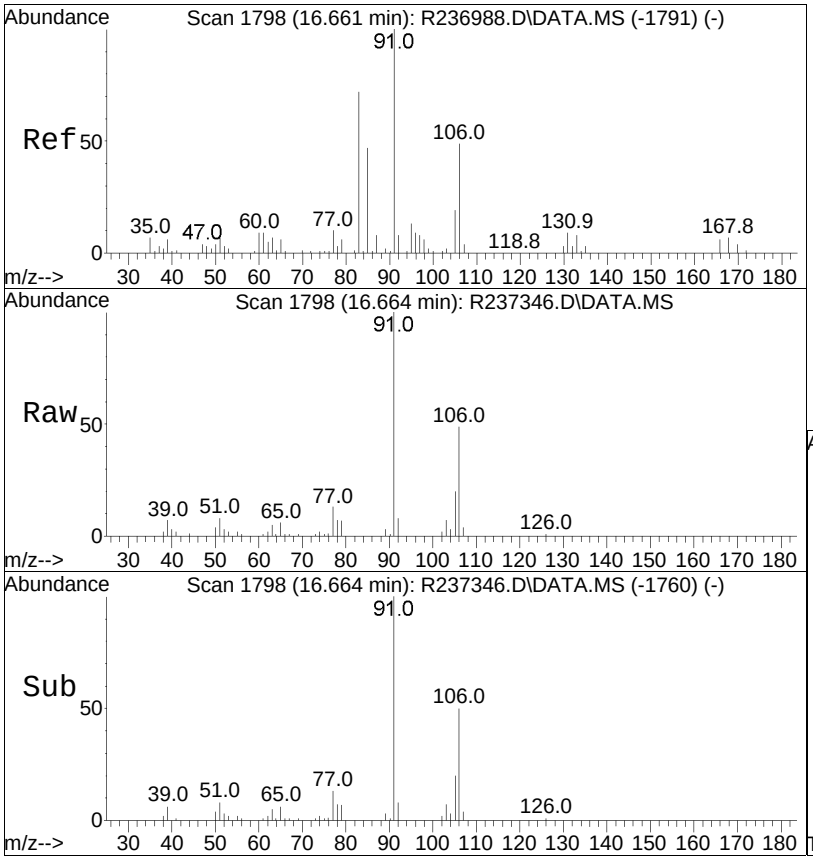


#85
styrene
Concen: 0.07 ppbV
RT: 16.577 min Scan# 1788
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:104 Resp: 3999

Ion	Ratio	Lower	Upper
104	100		
103	45.9	38.2	57.4
78	37.6	30.6	45.8

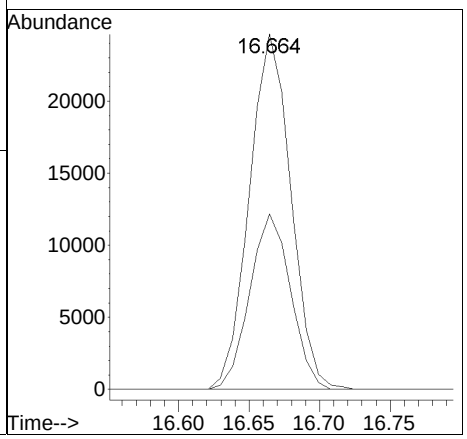


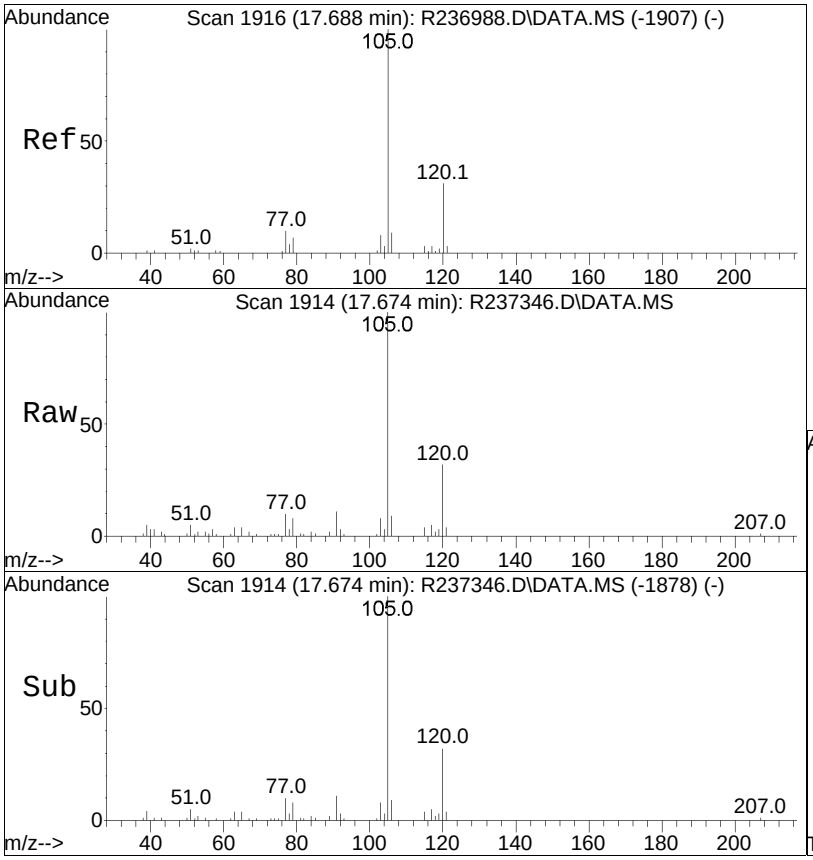


#87
o-xylene
Concen: 0.68 ppbV
RT: 16.664 min Scan# 1798
Delta R.T. 0.004 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion: 91 Resp: 50458

Ion	Ratio	Lower	Upper
91	100		
106	49.4	39.6	59.4

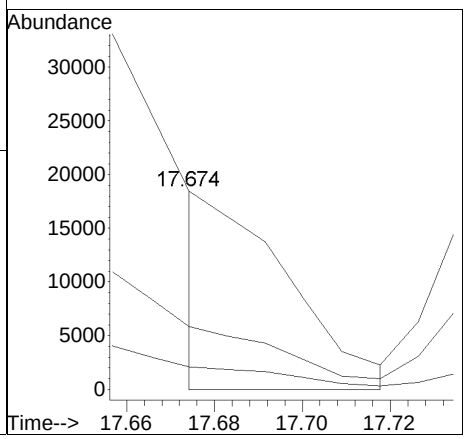


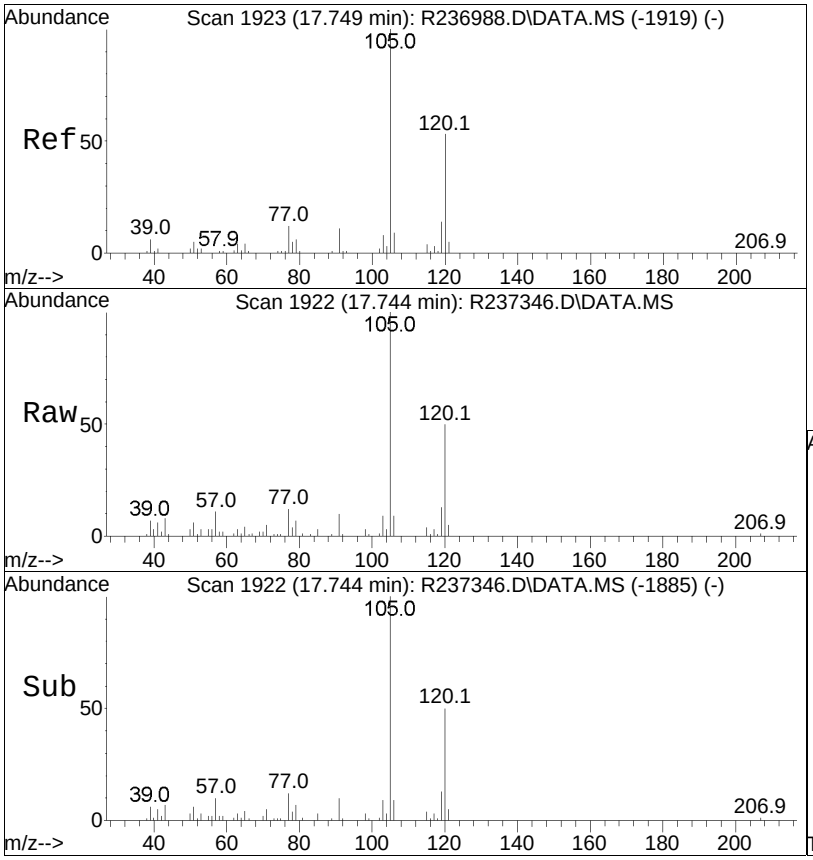


#96
4-ethyl toluene
Concen: 0.24 ppbV m
RT: 17.674 min Scan# 1914
Delta R.T. -0.014 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:105 Resp: 23025

Ion	Ratio	Lower	Upper
105	100		
120	31.7	25.1	37.7
91	11.4	8.8	13.2

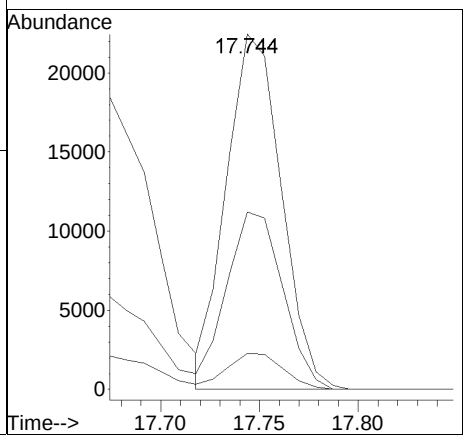


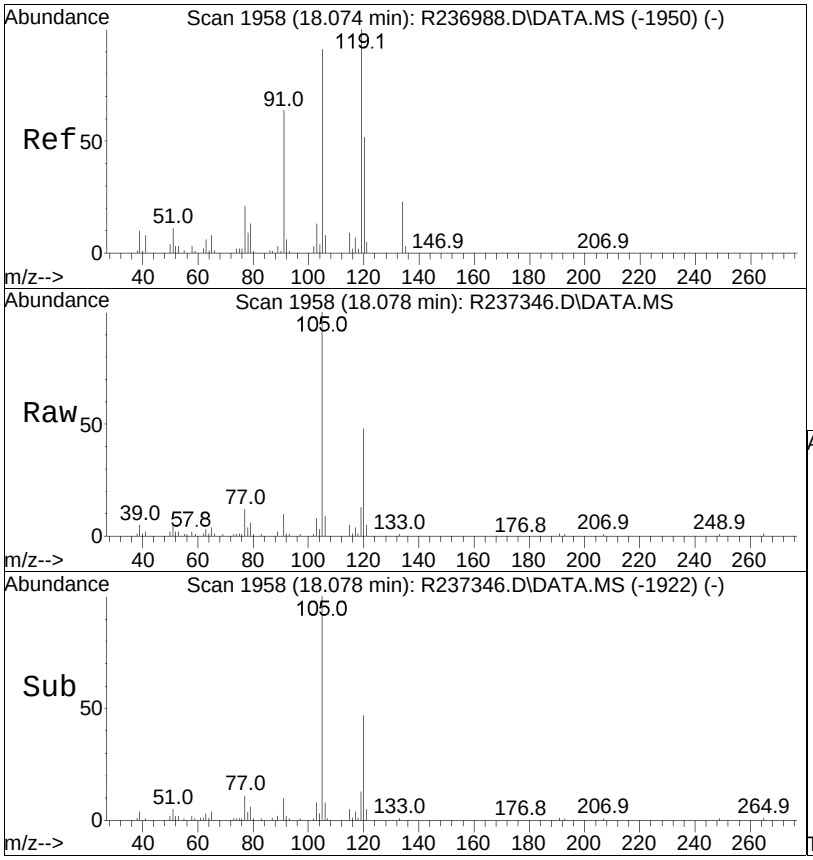


#97
1,3,5-trimethylbenzene
Concen: 0.53 ppbV
RT: 17.744 min Scan# 1922
Delta R.T. -0.005 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:105 Resp: 43607

Ion	Ratio	Lower	Upper
105	100		
120	49.9	40.7	61.1
91	10.1	8.5	12.7

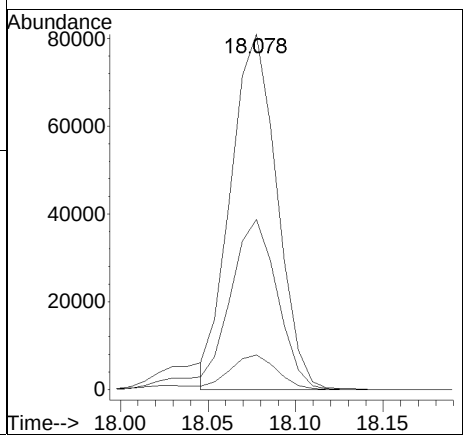


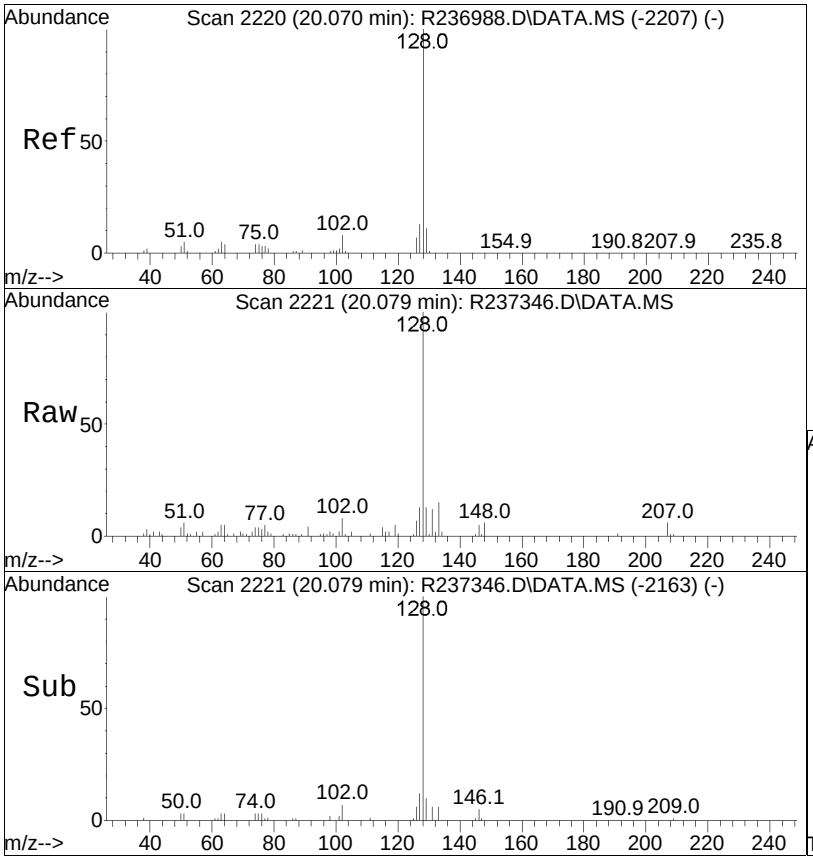


#99
1,2,4-trimethylbenzene
Concen: 1.69 ppbV m
RT: 18.078 min Scan# 1958
Delta R.T. 0.003 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:105 Resp: 148875

Ion	Ratio	Lower	Upper
105	100		
120	47.8	45.9	68.9
91	9.7	56.2	84.2#

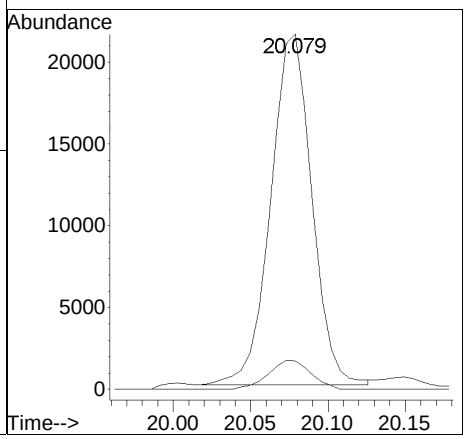




#116
naphthalene
Concen: 0.33 ppbV
RT: 20.079 min Scan# 2221
Delta R.T. 0.009 min
Lab File: R237346.D
Acq: 18 Dec 2025 11:56 pm

Tgt Ion:128 Resp: 39644

Ion	Ratio	Lower	Upper
128	100		
102	8.0	6.4	9.6

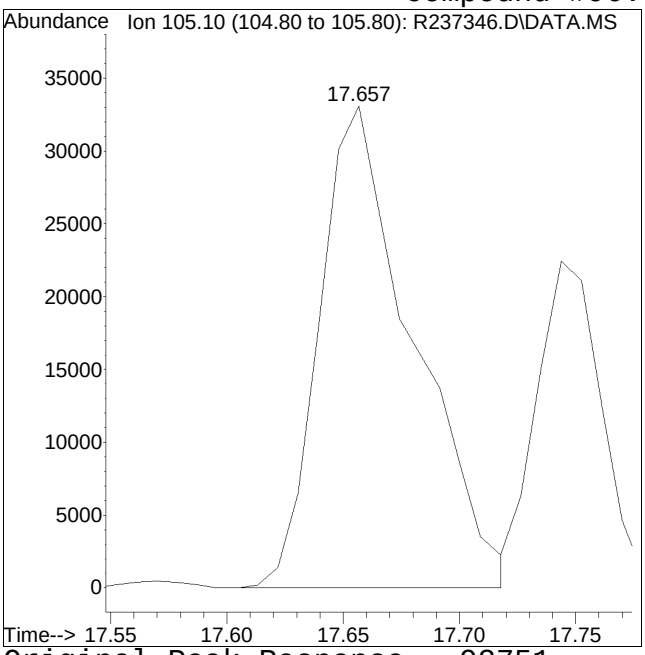


Manual Integration Report

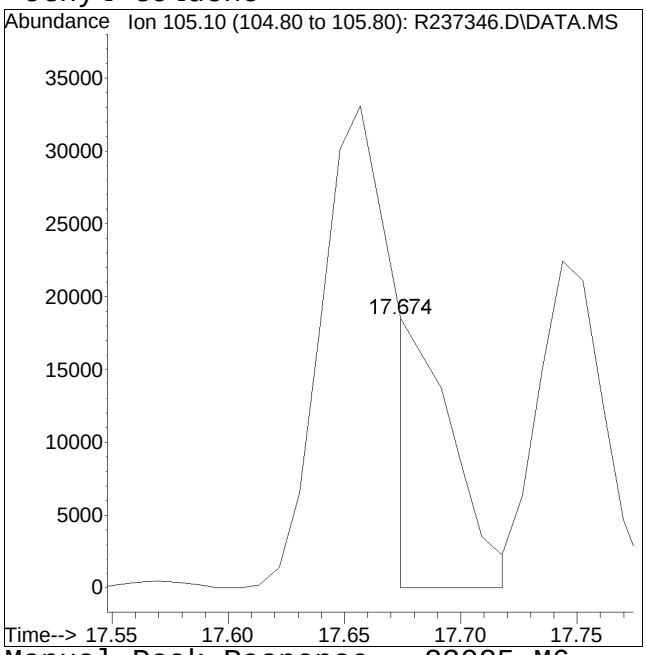
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237346.D
Date Inj'd : 12/18/2025 11:56 pm
Sample : L2577500-16,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:15 am

Compound #96: 4-ethyl toluene



Original Peak Response = 92751



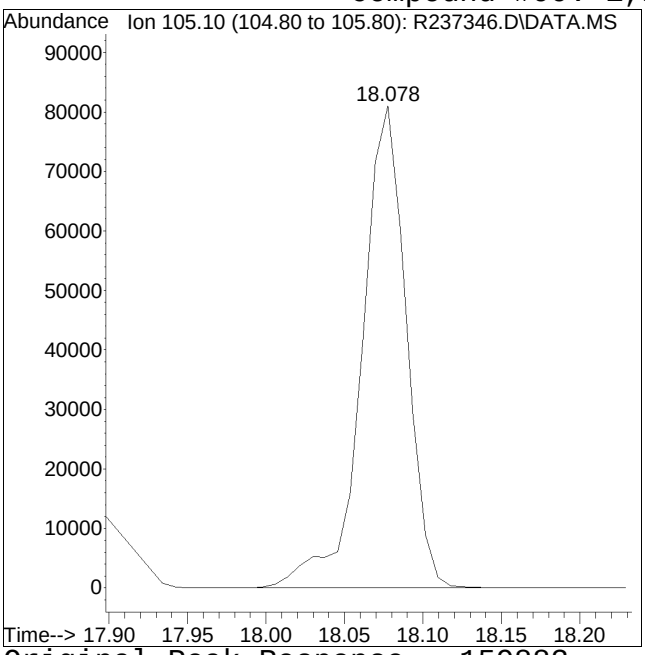
Manual Peak Response = 23025 M6

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

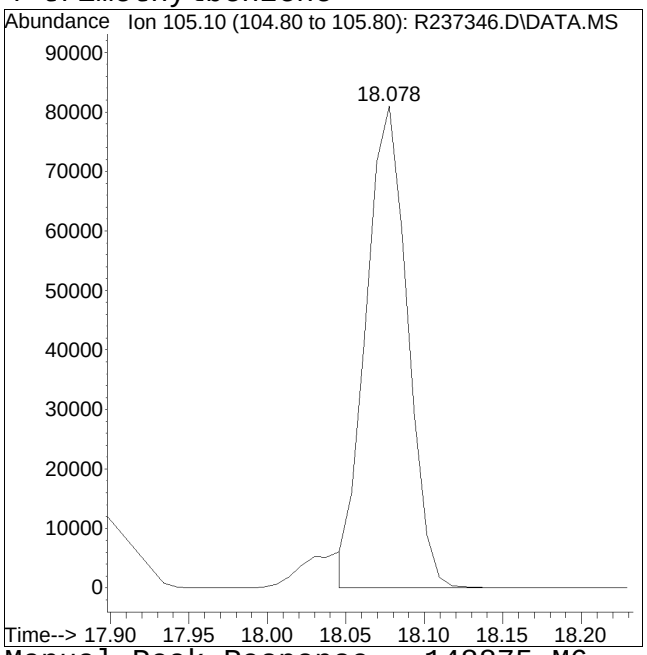
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237346.D Operator : AIRLAB23:TPH
Date Inj'd : 12/18/2025 11:56 pm Instrument : Airlab23
Sample : L2577500-16,3,250,250 Quant Date : 12/19/2025 7:15 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 159883



Manual Peak Response = 148875 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752996.D
Acq On : 18 Dec 2025 11:57 PM
Operator : AIRLAB17:TPH
Sample : L2577500-10,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	340881	10.000	ppbV	-0.04
Standard Area = 341577			Recovery = 99.80%			
43) 1,4-difluorobenzene	11.010	114	864590	10.000	ppbV	-0.04
Standard Area = 849055			Recovery = 101.83%			
67) chlorobenzene-D5	15.775	54	140250	10.000	ppbV	-0.03
Standard Area = 140112			Recovery = 100.10%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.862	85	26160	0.545	ppbV	98
6) chloromethane	4.018	50	12230	0.568	ppbV	98
7) Freon-114	4.120		0	N.D.		
10) 1,3-butadiene	4.372		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.954	31	6106070	311.730	ppbV	99
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.427	43	520377m	15.735	ppbV	
21) trichlorofluoromethane	5.620	101	8499	0.180	ppbV	92
22) isopropyl alcohol	5.713	45	446428	11.893	ppbV	97
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.438	49	4937	0.175	ppbV	91
29) 3-chloropropene	6.564		0	N.D.		
30) carbon disulfide	6.720	76	2298	0.035	ppbV #	16
31) Freon 113	6.732	101	2755	0.054	ppbV	95
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.733		0	N.D.		
36) 2-butanone	8.125	43	20828	0.399	ppbV	95
38) Ethyl Acetate	8.883	61	27043	2.829	ppbV #	47
39) chloroform	8.950	83	38624	0.860	ppbV	98
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.783		0	N.D.		
44) hexane	8.875	57	10575	0.255	ppbV #	1
50) benzene	10.583	78	15177	0.210	ppbV	94
53) cyclohexane	10.903	56	2966	0.068	ppbV #	86
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752996.D
Acq On : 18 Dec 2025 11:57 PM
Operator : AIRLAB17:TPH
Sample : L2577500-10,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

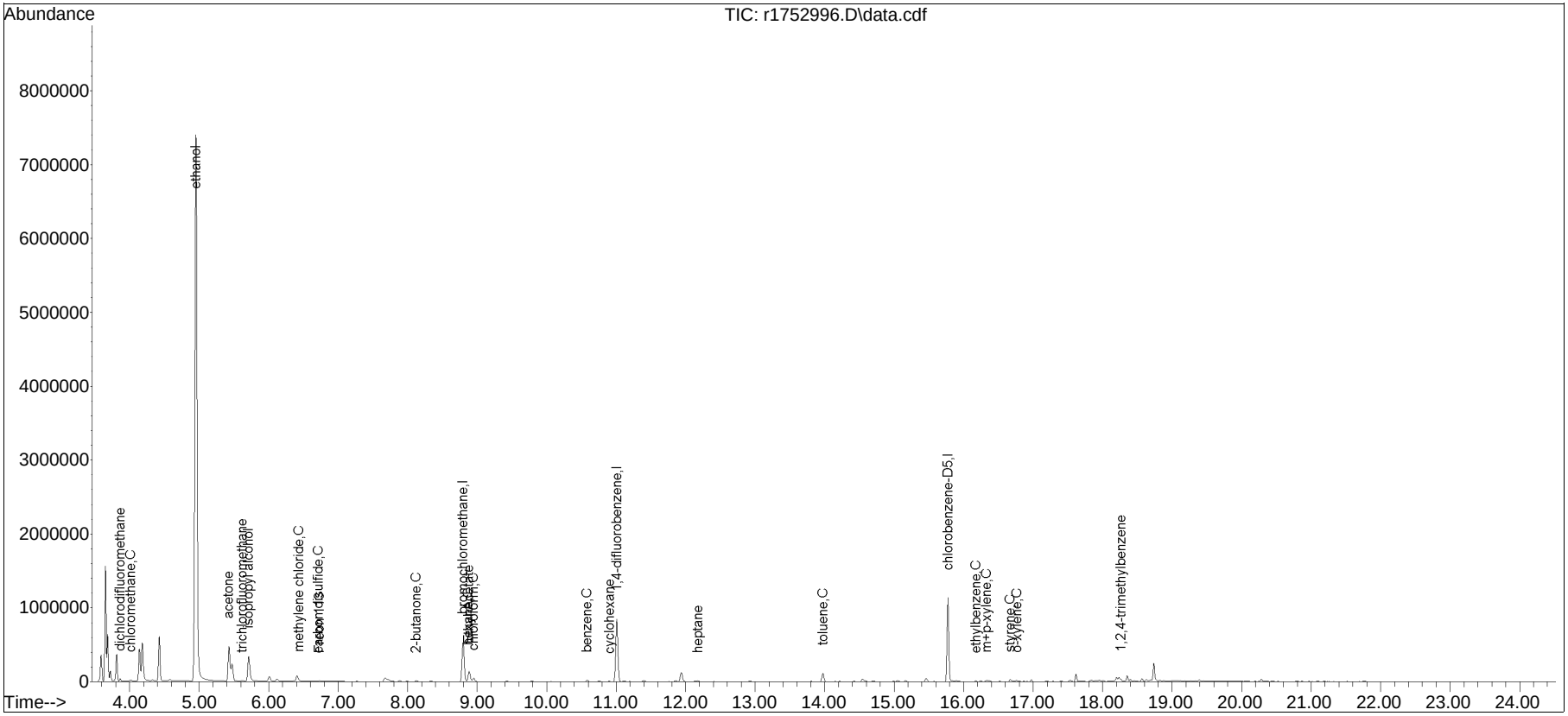
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.757		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.	d	
62) heptane	12.177	43	7637	0.174	ppbV #	86
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.975	91	97238	1.006	ppbV	97
72) 2-hexanone	14.342		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.833		0	N.D.		
81) ethylbenzene	16.175	91	7411	0.060	ppbV	99
83) m+p-xylene	16.333	91	15760	0.162	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.667	104	14058	0.193	ppbV #	93
86) 1,1,2,2-tetrachloroethane	16.800		0	N.D.		
87) o-xylene	16.767	91	8031	0.083	ppbV	90
96) 4-ethyl toluene	17.917		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267	105	5435	0.053	ppbV #	56
101) Benzyl Chloride	18.467		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.350		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

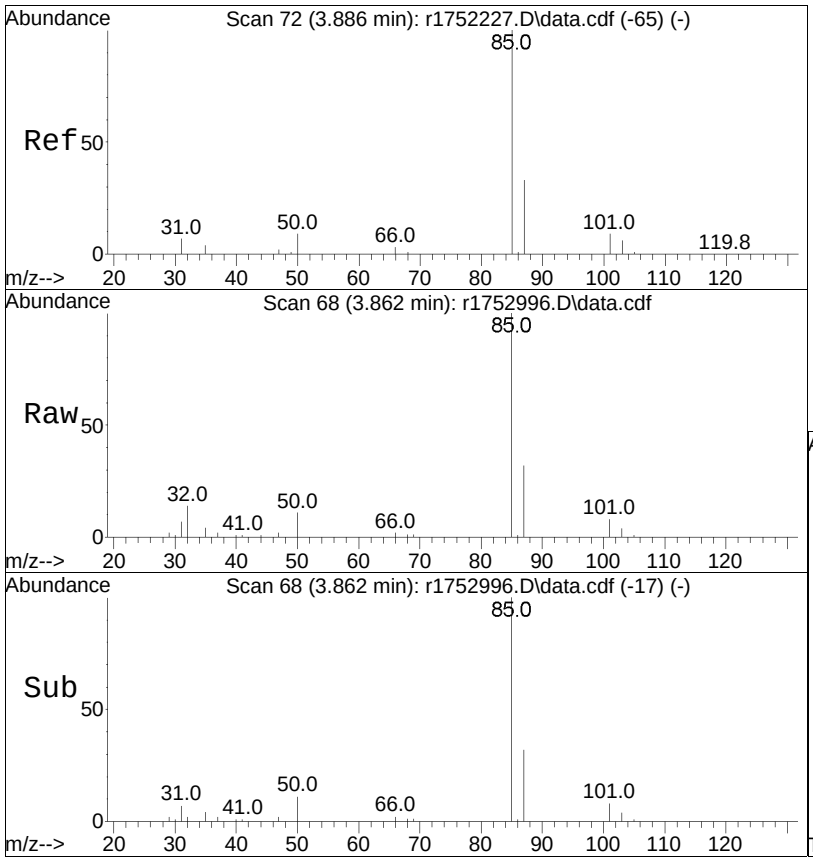
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752996.D
Acq On : 18 Dec 2025 11:57 PM
Operator : AIRLAB17:TPH
Sample : L2577500-10,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

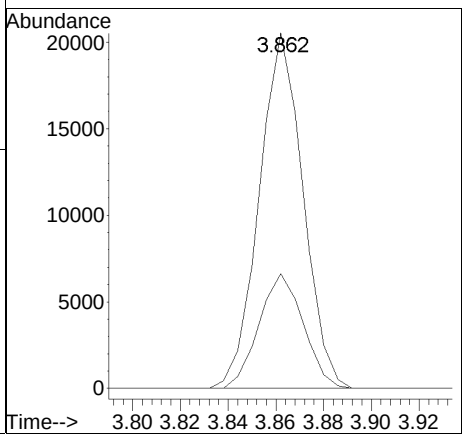


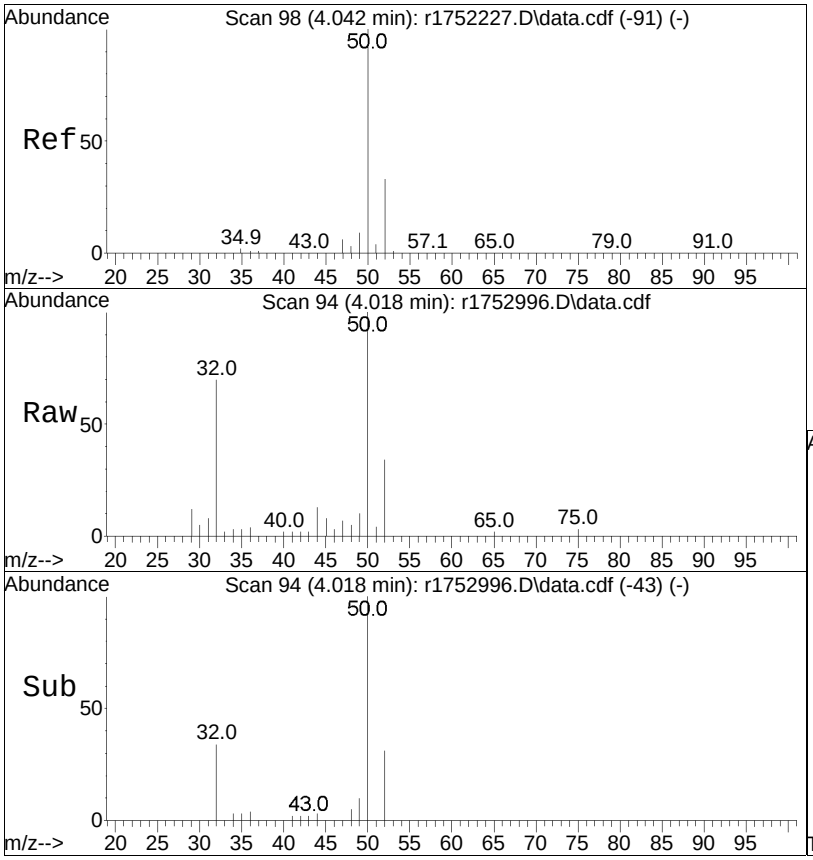


#5
dichlorodifluoromethane
Concen: 0.54 ppbV
RT: 3.862 min Scan# 68
Delta R.T. -0.024 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 85 Resp: 26160

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.7	40.1

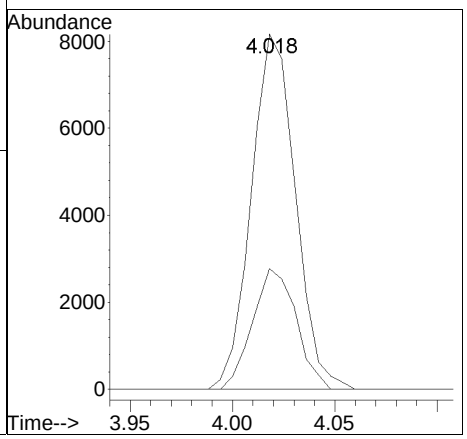


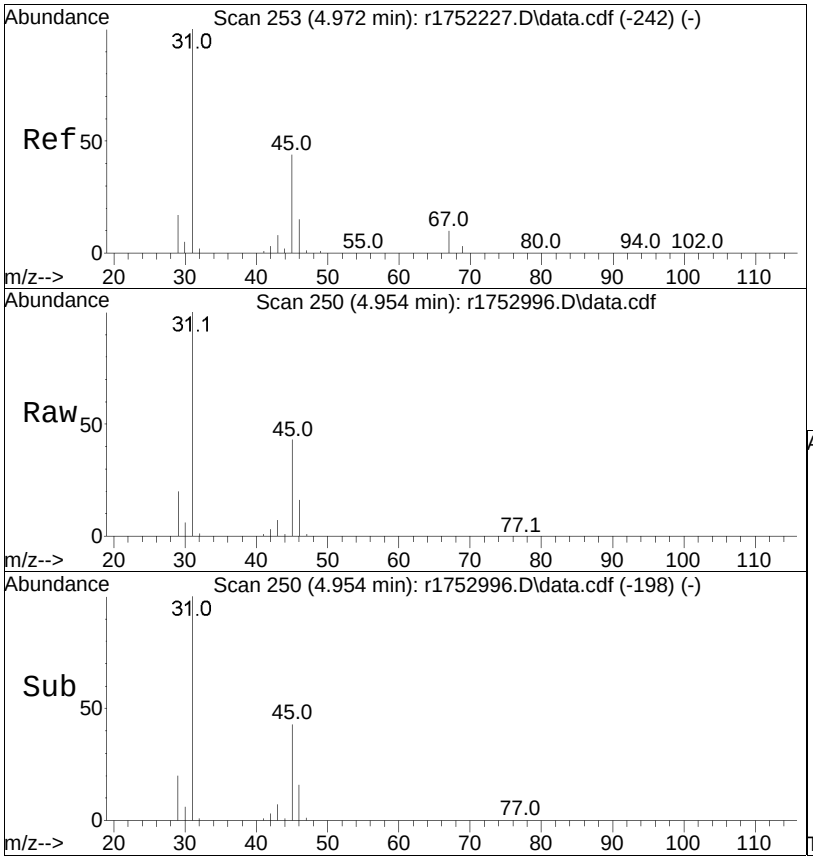


#6
chloromethane
Concen: 0.57 ppbV
RT: 4.018 min Scan# 94
Delta R.T. -0.024 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 50 Resp: 12230

Ion	Ratio	Lower	Upper
50	100		
52	34.0	26.1	39.1

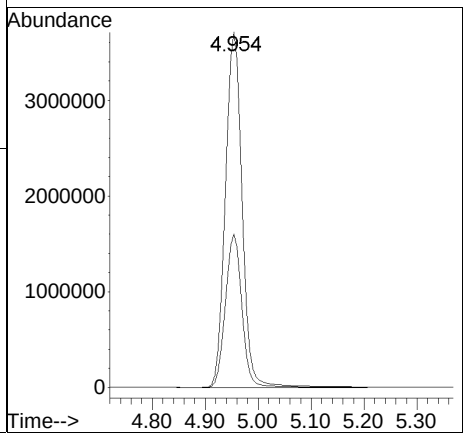


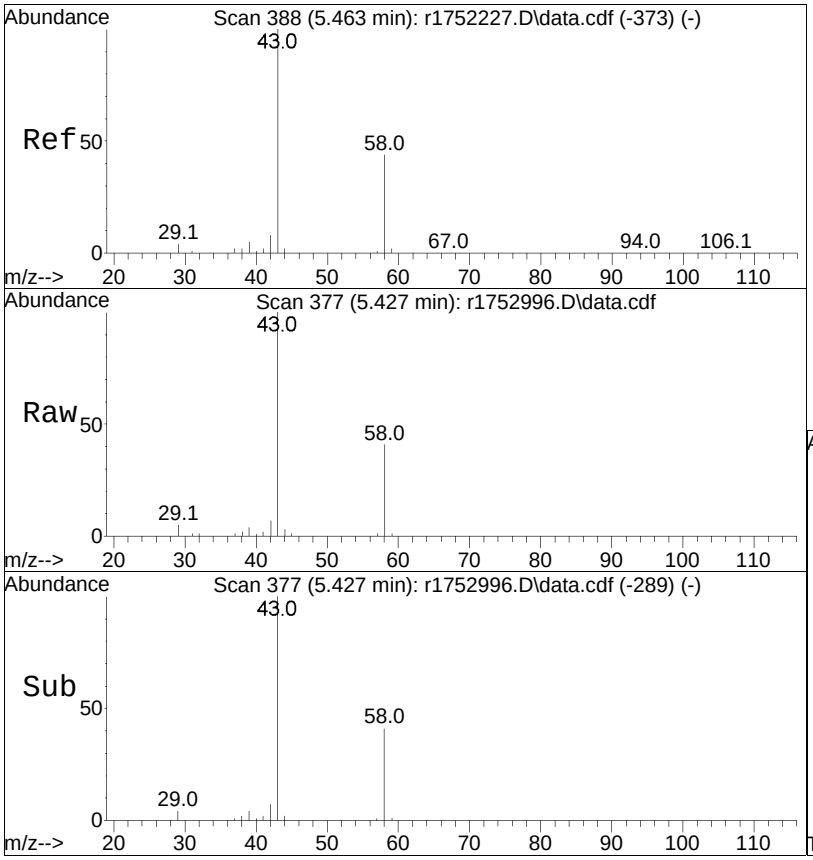


#15
ethanol
Concen: 311.73 ppbV
RT: 4.954 min Scan# 250
Delta R.T. -0.018 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 31 Resp: 6106070

Ion	Ratio	Lower	Upper
31	100		
45	43.2	35.3	52.9

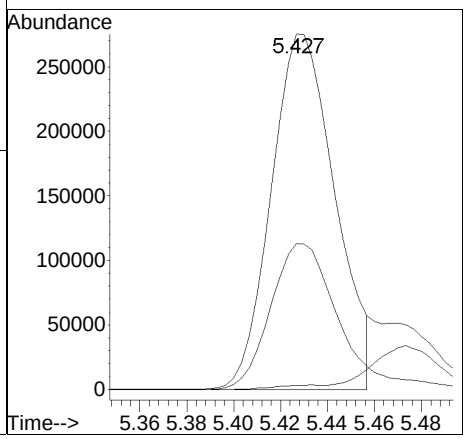


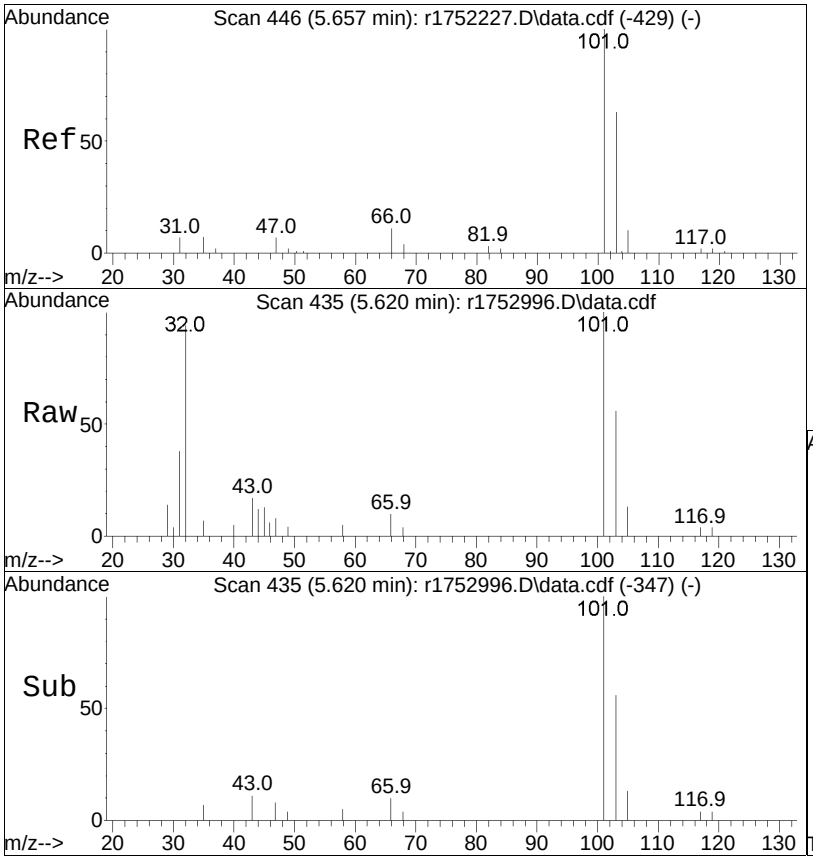


#19
acetone
Concen: 15.74 ppbV m
RT: 5.427 min Scan# 377
Delta R.T. -0.037 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 43 Resp: 520377

Ion	Ratio	Lower	Upper
43	100		
58	41.1	35.1	52.7
57	1.1	0.9	1.3

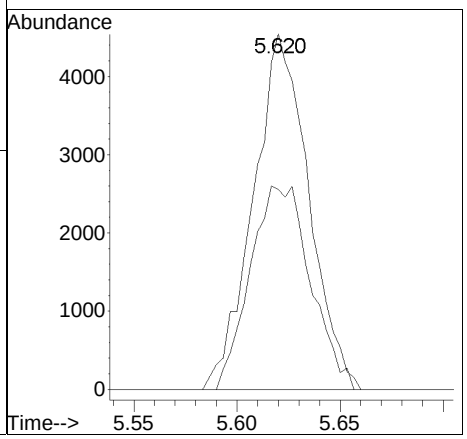


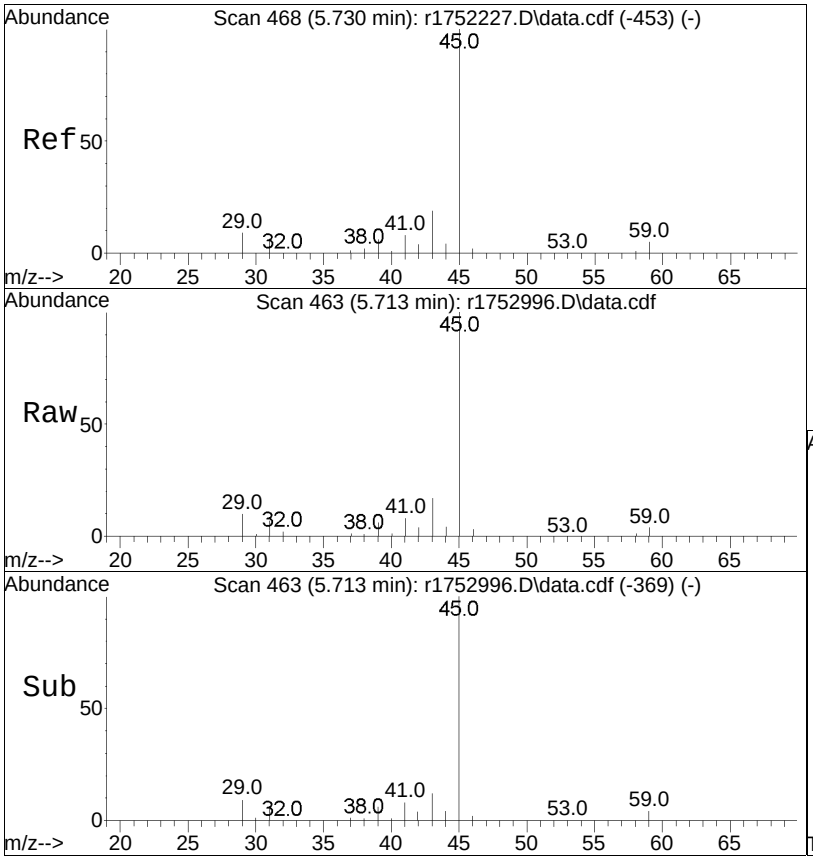


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.620 min Scan# 435
Delta R.T. -0.037 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:101 Resp: 8499

Ion	Ratio	Lower	Upper
101	100		
103	56.3	50.2	75.2

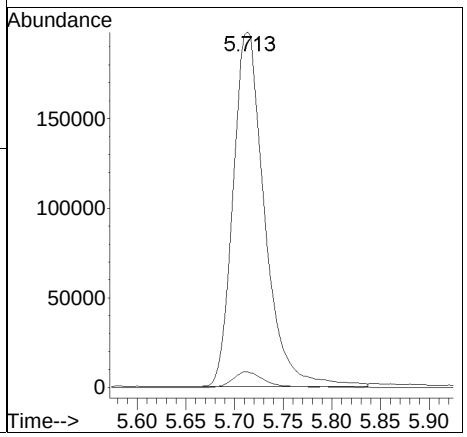


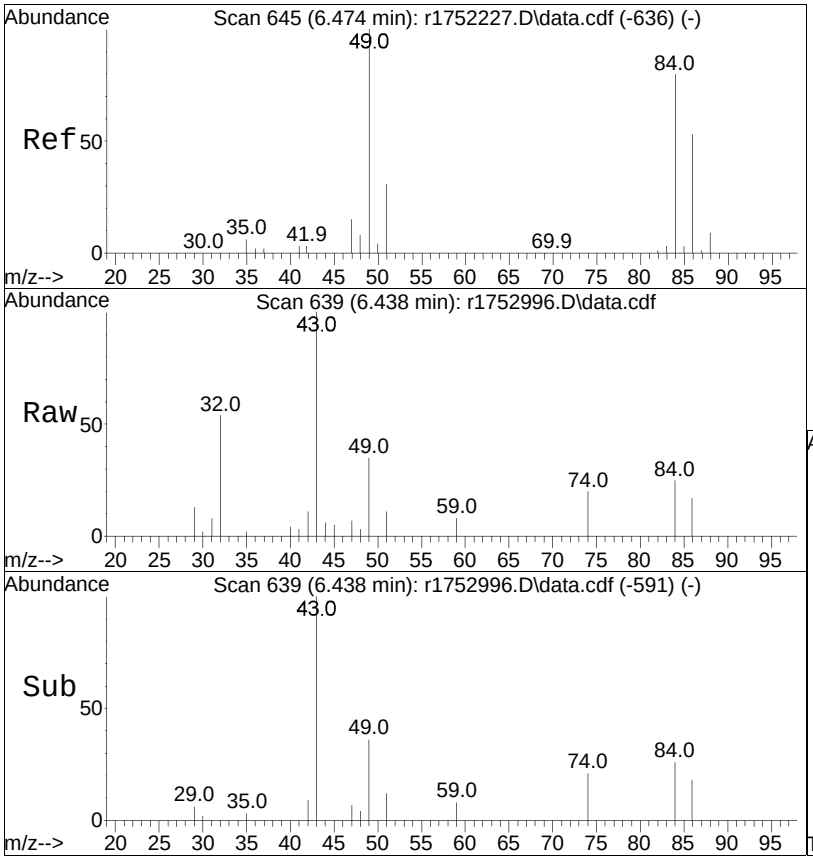


#22
isopropyl alcohol
Concen: 11.89 ppbV
RT: 5.713 min Scan# 463
Delta R.T. -0.017 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 45 Resp: 446428

Ion	Ratio	Lower	Upper
45	100		
59	4.3	4.2	6.2

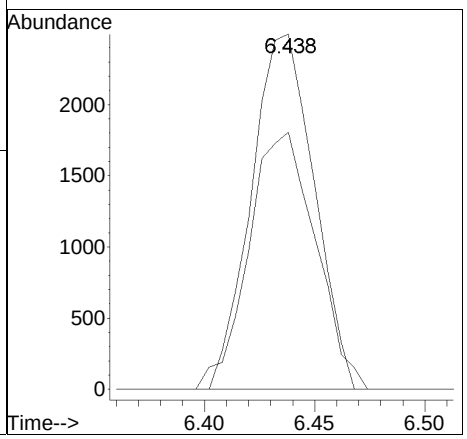


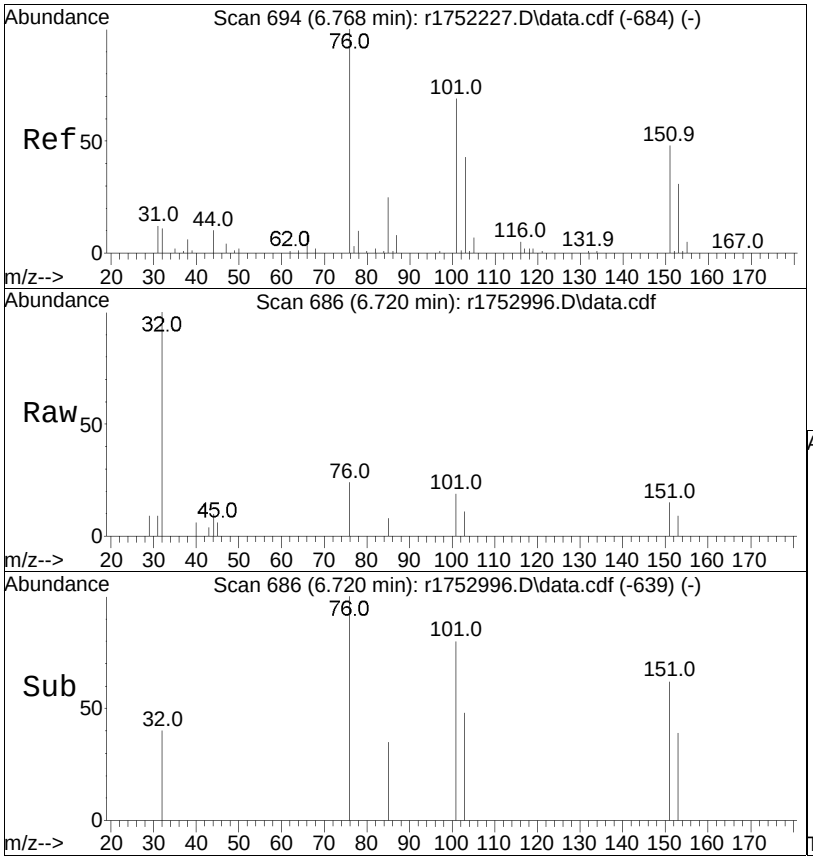


#28
methylene chloride
Concen: 0.18 ppbV
RT: 6.438 min Scan# 639
Delta R.T. -0.036 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 49 Resp: 4937

Ion	Ratio	Lower	Upper
49	100		
84	72.4	64.2	96.2

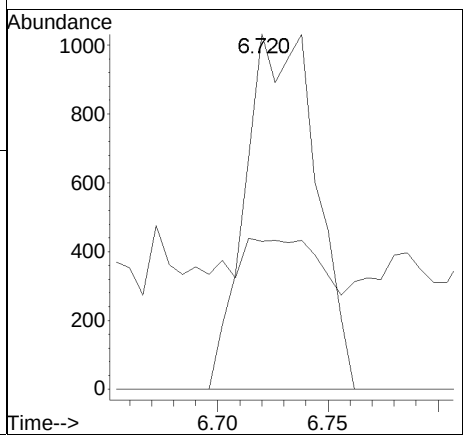


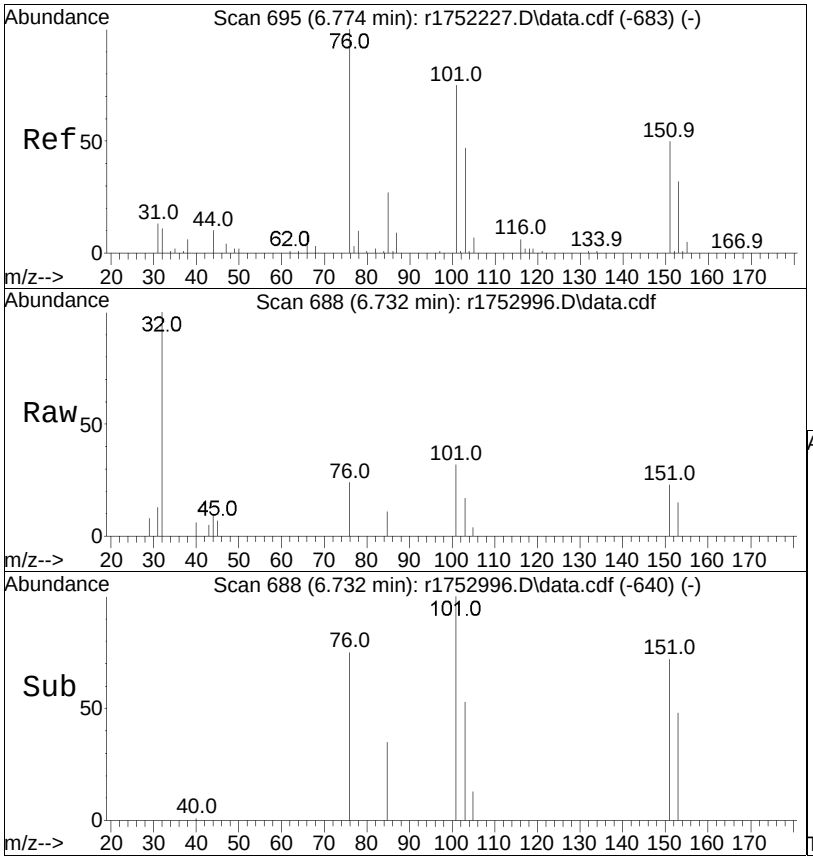


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.720 min Scan# 686
Delta R.T. -0.048 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 76 Resp: 2298

Ion	Ratio	Lower	Upper
76	100		
44	41.7	8.3	12.5#

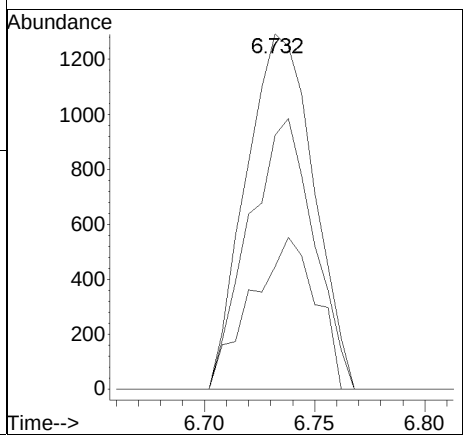


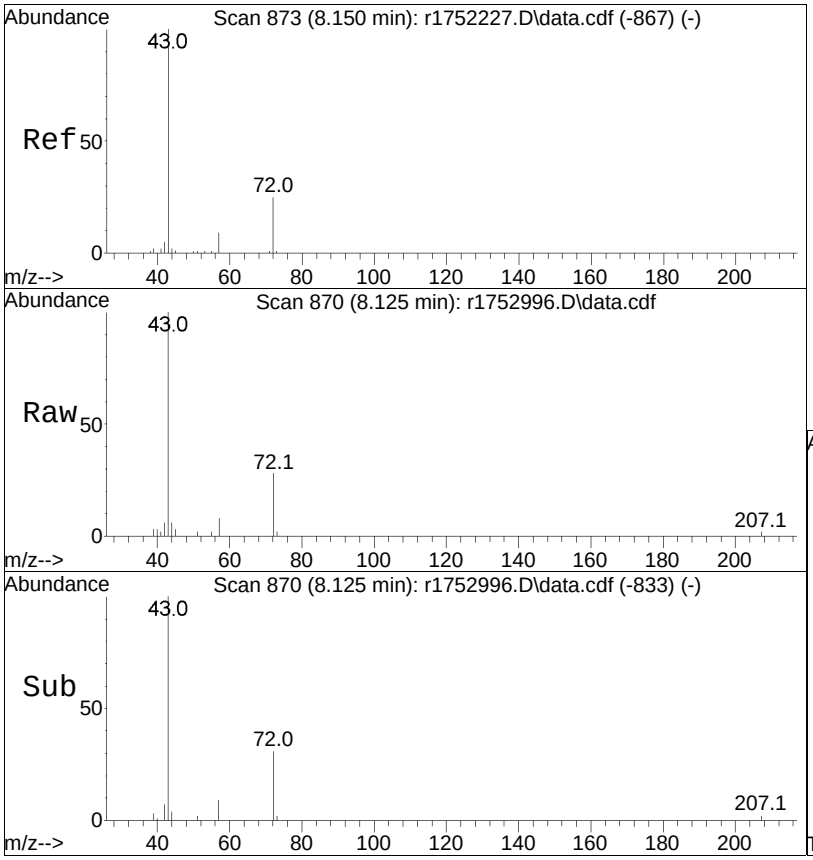


#31
Freon 113
Concen: 0.05 ppbV
RT: 6.732 min Scan# 688
Delta R.T. -0.042 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:101 Resp: 2755

Ion	Ratio	Lower	Upper
101	100		
85	34.6	28.9	43.3
151	71.5	53.3	79.9

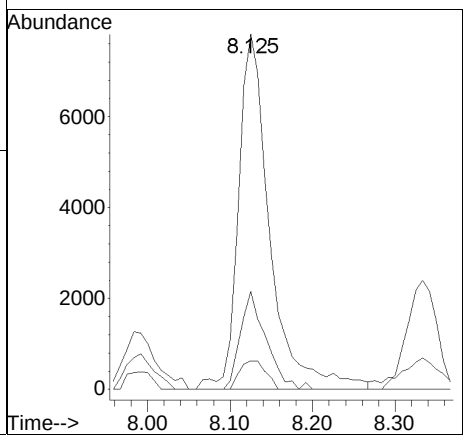


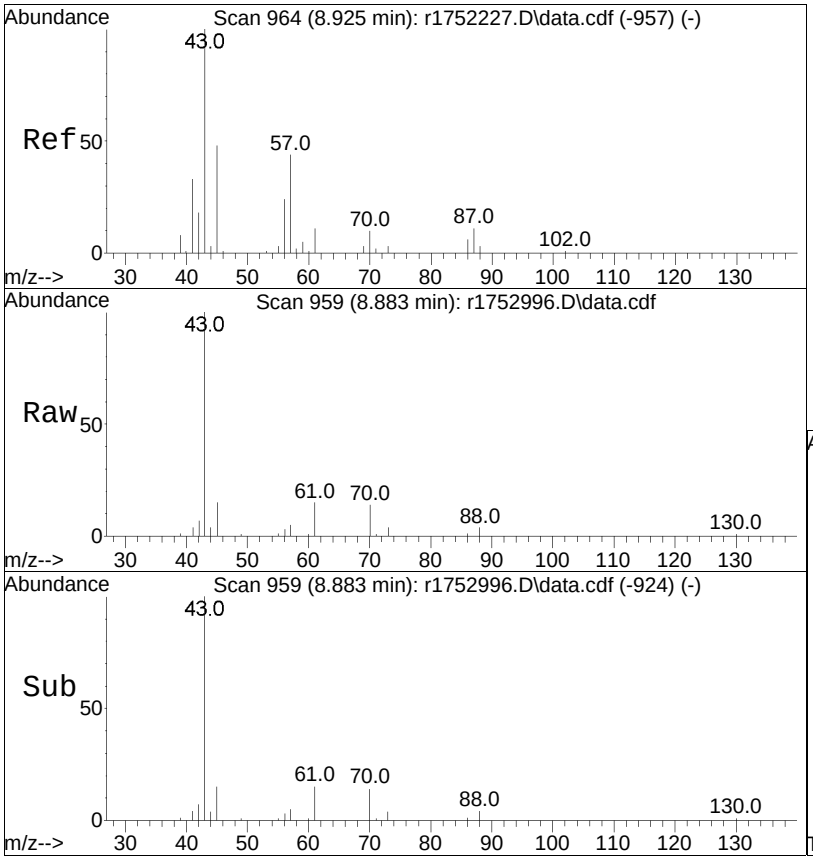


#36
2-butanone
Concen: 0.40 ppbV
RT: 8.125 min Scan# 870
Delta R.T. -0.025 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 43 Resp: 20828

Ion	Ratio	Lower	Upper
43	100		
72	27.6	19.9	29.9
57	8.0	7.2	10.8

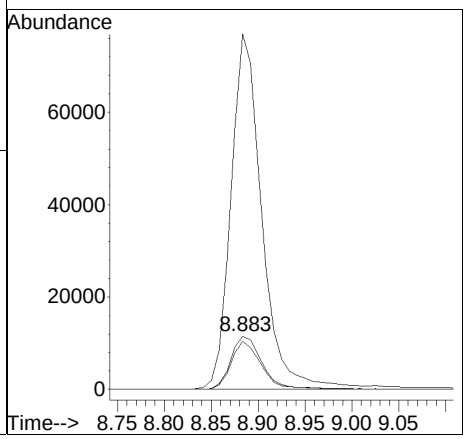


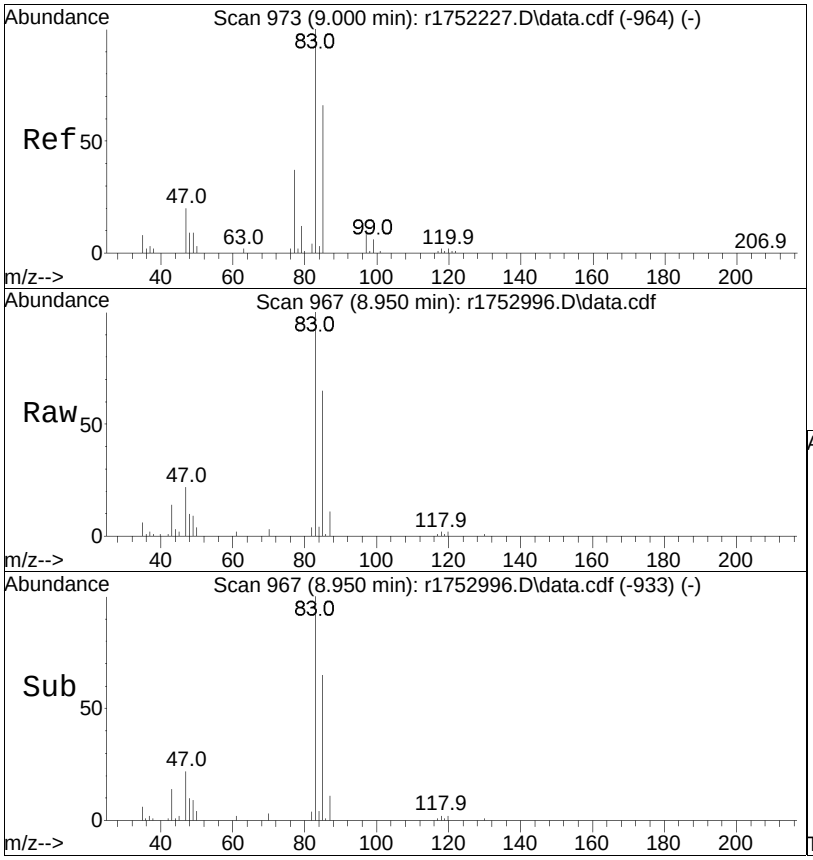


#38
Ethyl Acetate
Concen: 2.83 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.042 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 61 Resp: 27043

Ion	Ratio	Lower	Upper
61	100		
70	90.8	68.4	102.6
43	670.9	727.4	1091.2#

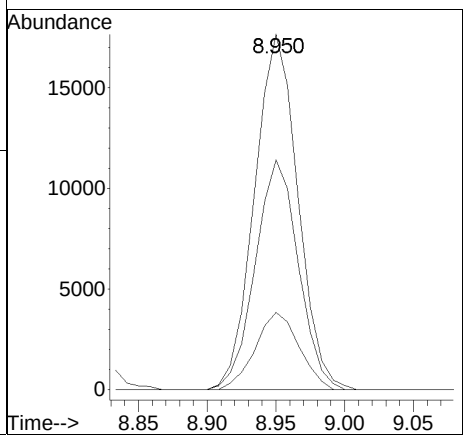


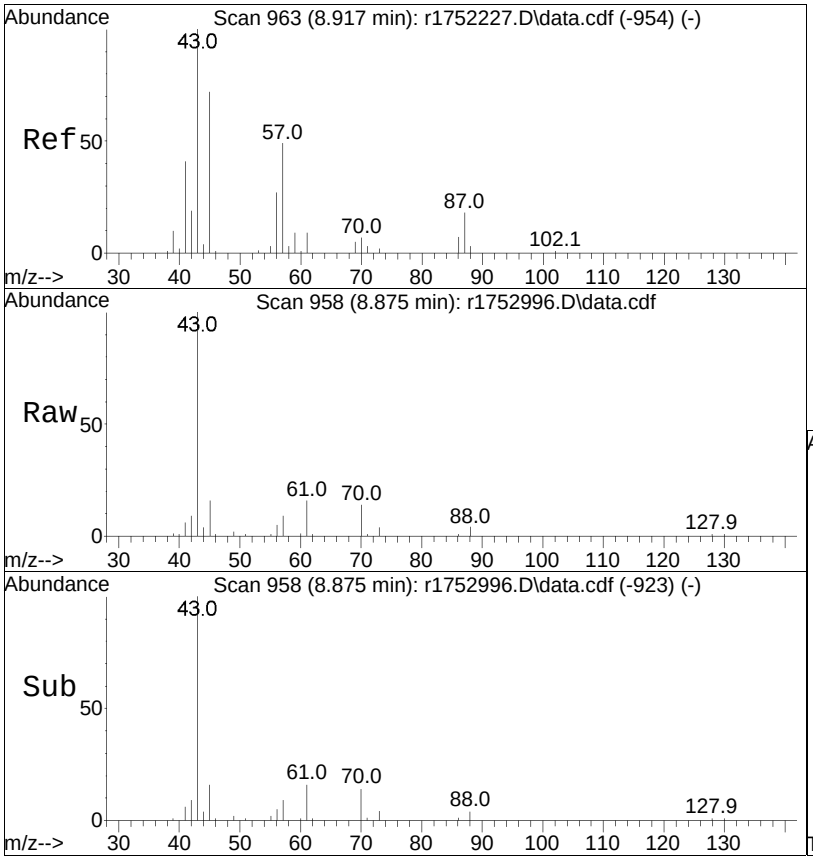


#39
chloroform
Concen: 0.86 ppbV
RT: 8.950 min Scan# 967
Delta R.T. -0.050 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 83 Resp: 38624

Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.1	79.7
47	21.7	16.3	24.5

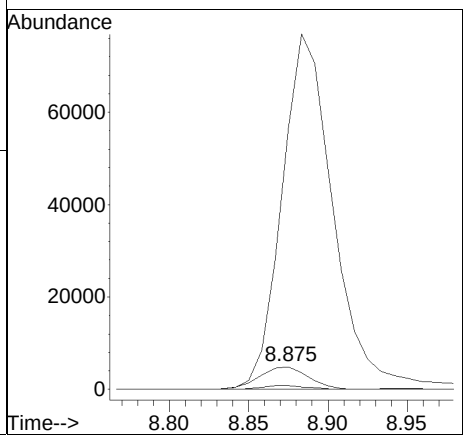


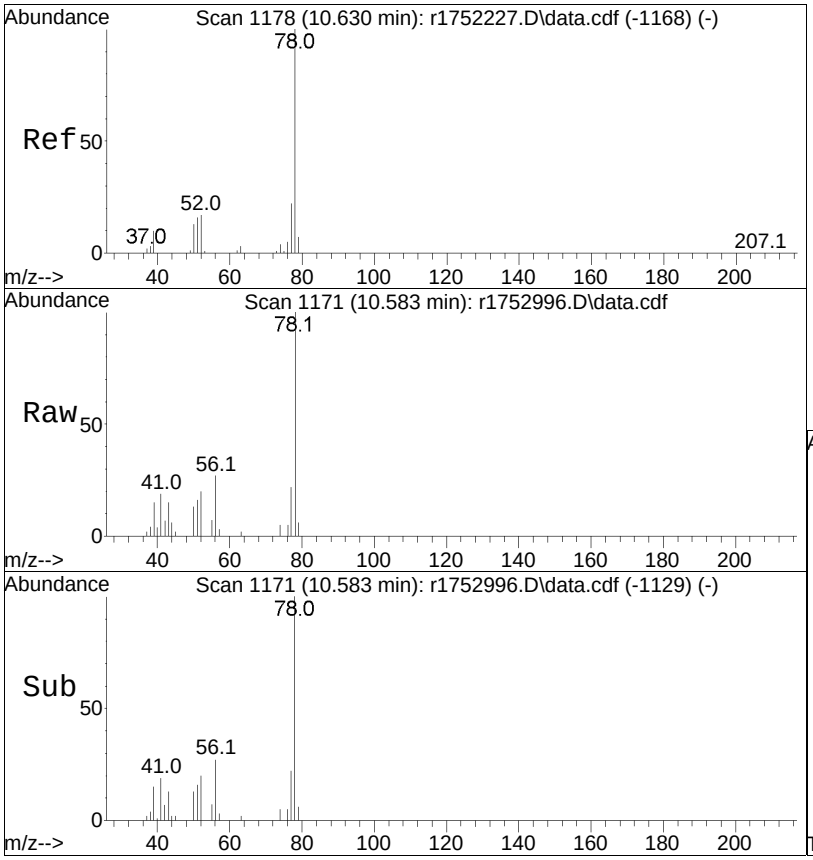


#44
hexane
Concen: 0.25 ppbV
RT: 8.875 min Scan# 958
Delta R.T. -0.042 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 57 Resp: 10575

Ion	Ratio	Lower	Upper
57	100		
43	1156.2	163.5	245.3#
86	17.1	11.7	17.5

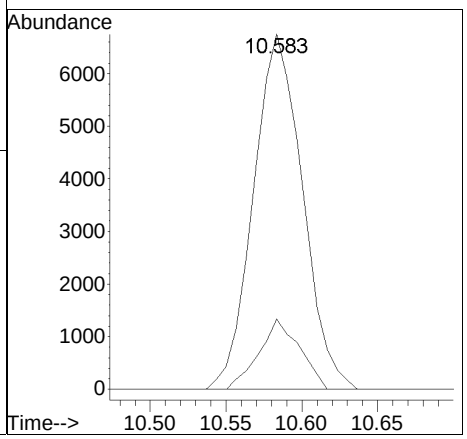


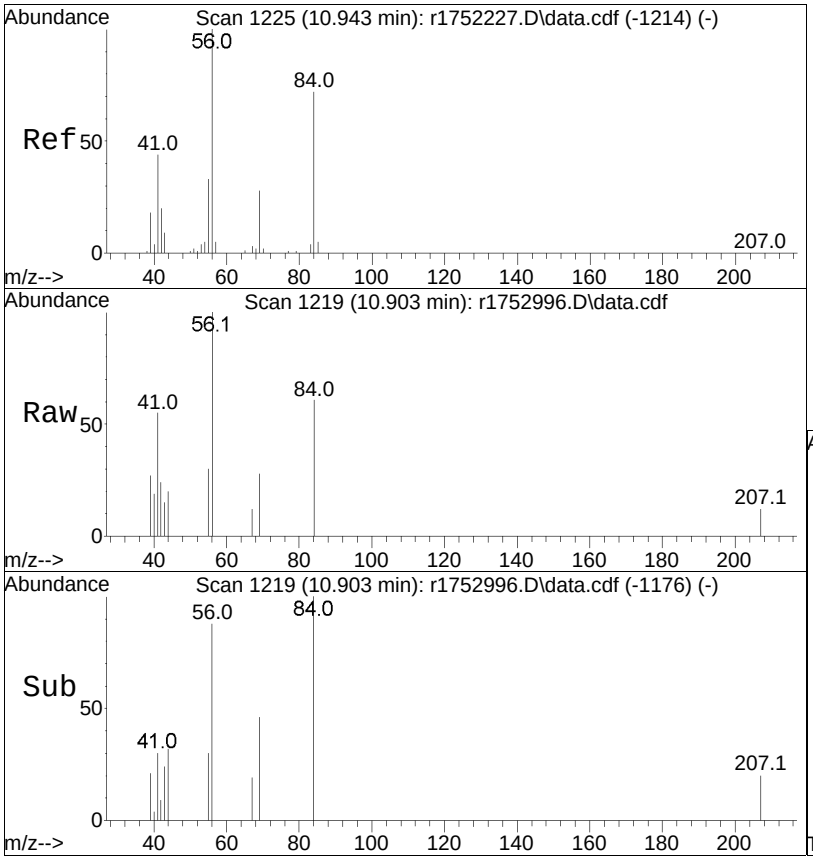


#50
benzene
Concen: 0.21 ppbV
RT: 10.583 min Scan# 1171
Delta R.T. -0.047 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 78 Resp: 15177

Ion	Ratio	Lower	Upper
78	100		
52	19.8	13.8	20.8

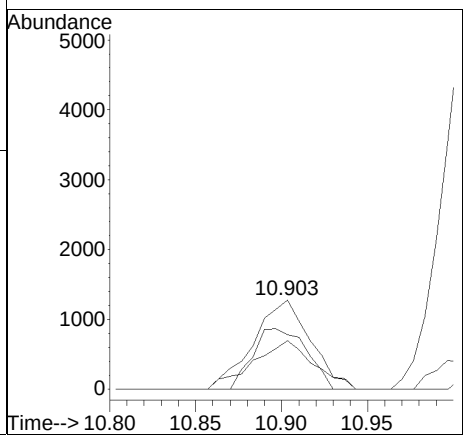


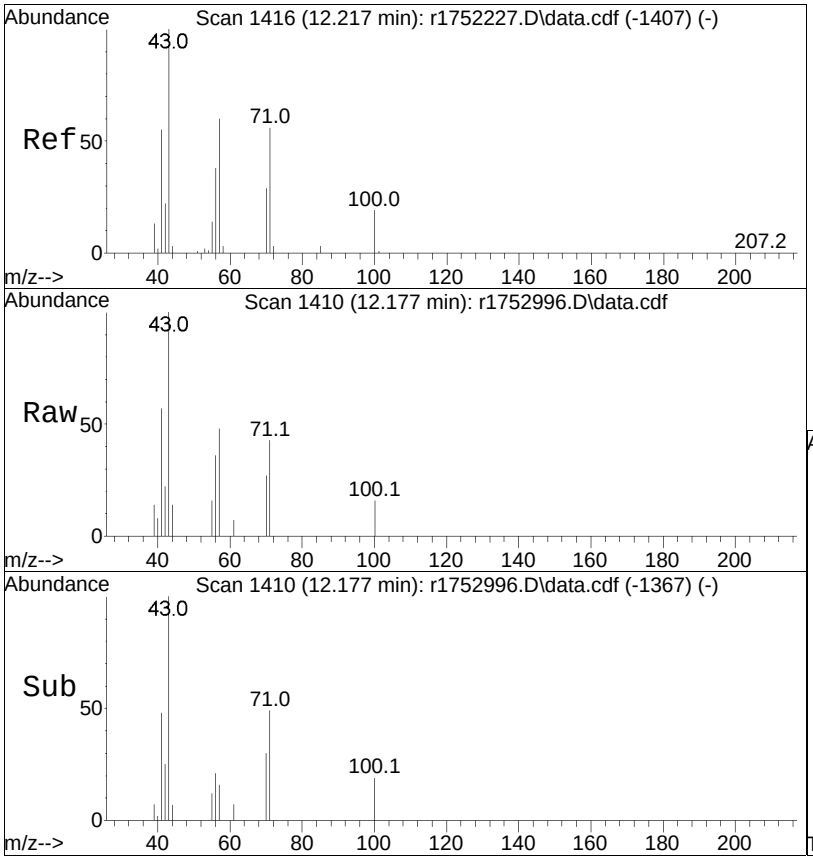


#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.903 min Scan# 1219
Delta R.T. -0.040 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 56 Resp: 2966

Ion	Ratio	Lower	Upper
56	100		
84	61.2	57.8	86.8
41	54.5	35.5	53.3#

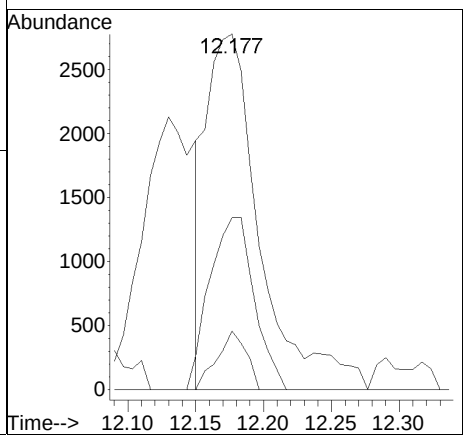


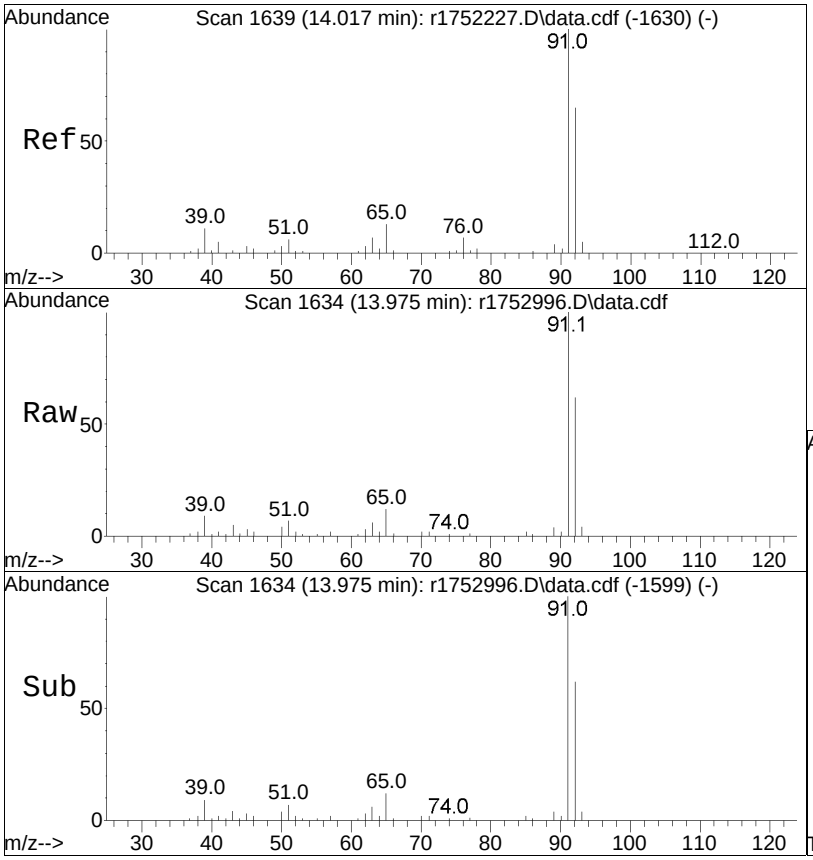


#62
heptane
Concen: 0.17 ppbV
RT: 12.177 min Scan# 1410
Delta R.T. -0.040 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 43 Resp: 7637

Ion	Ratio	Lower	Upper
43	100		
57	48.3	48.3	72.5#
100	16.5	15.4	23.0

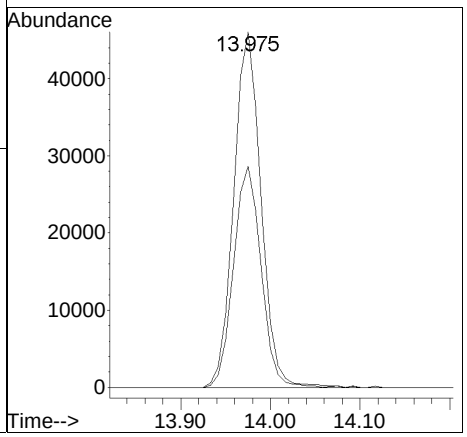


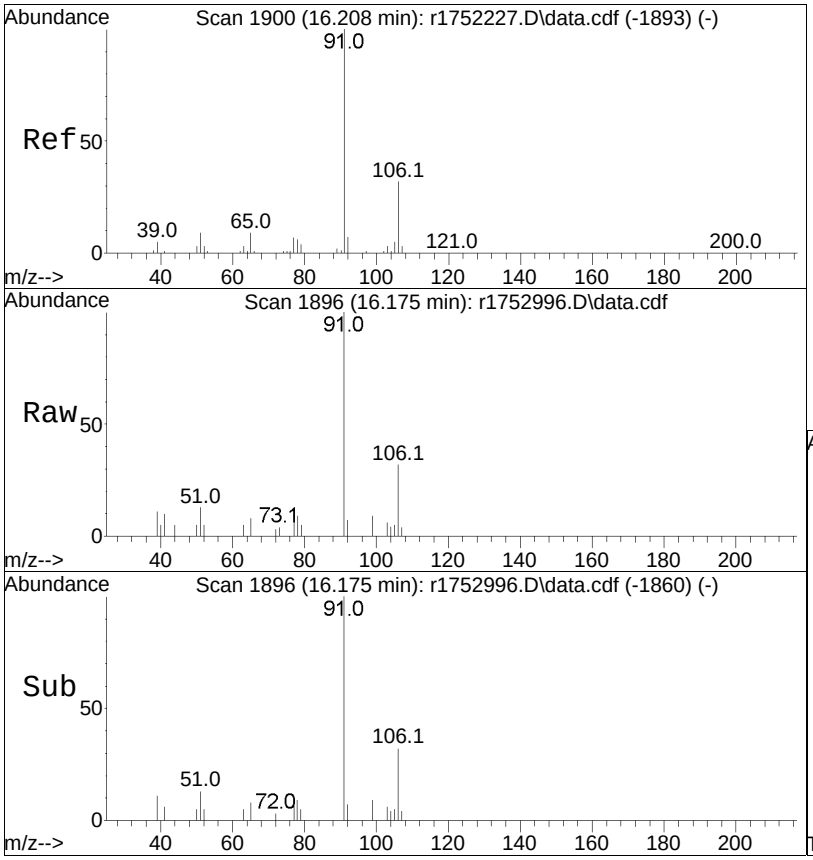


#68
toluene
Concen: 1.01 ppbV
RT: 13.975 min Scan# 1634
Delta R.T. -0.042 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 91 Resp: 97238

Ion	Ratio	Lower	Upper
91	100		
92	62.3	51.9	77.9

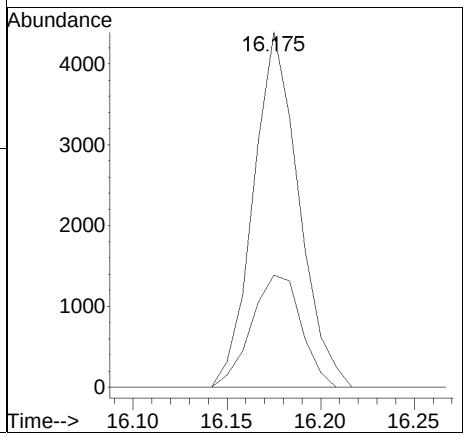


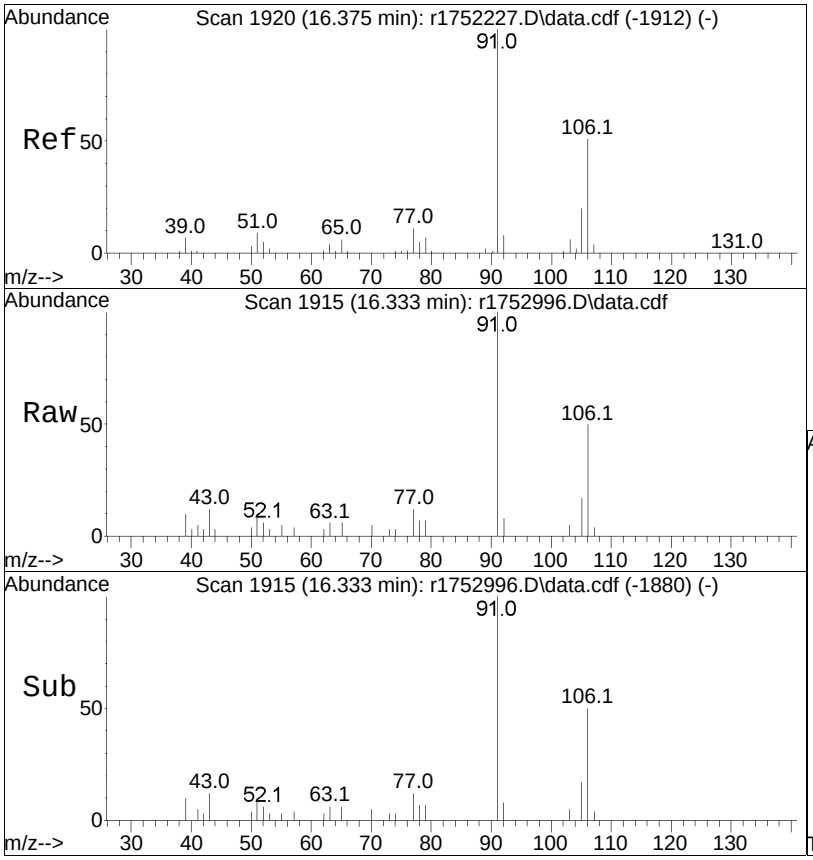


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.175 min Scan# 1896
Delta R.T. -0.033 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 91 Resp: 7411

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.7	38.5

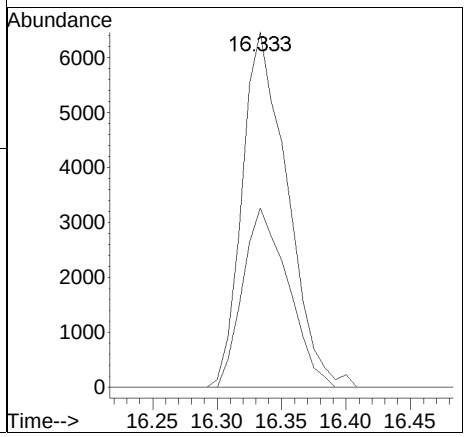


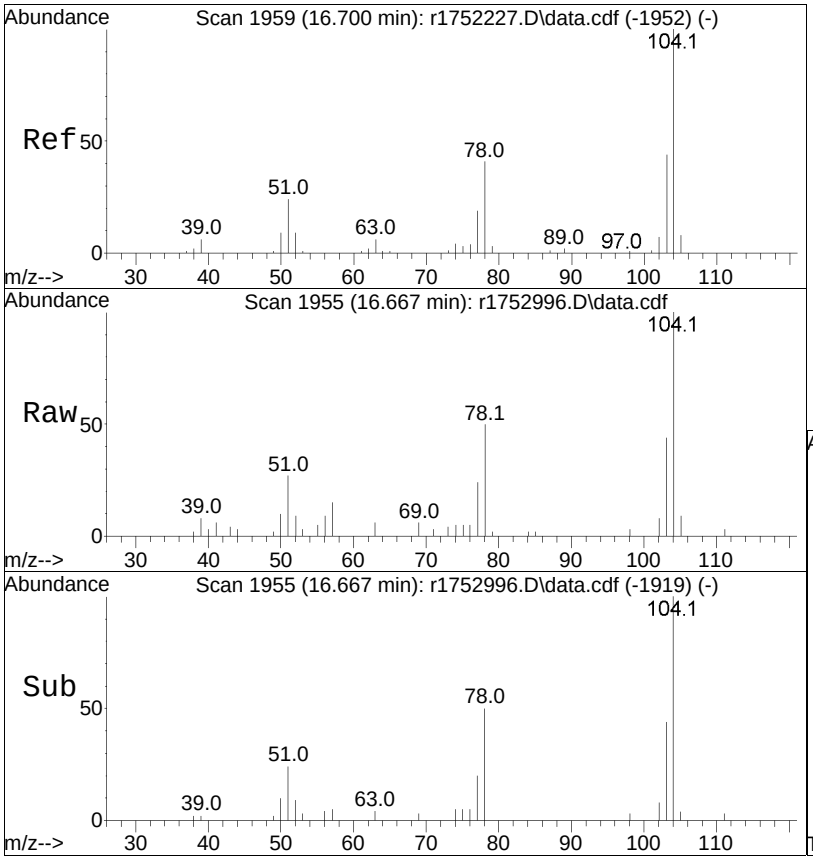


#83
m+p-xylene
Concen: 0.16 ppbV
RT: 16.333 min Scan# 1915
Delta R.T. -0.042 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 91 Resp: 15760

Ion	Ratio	Lower	Upper
91	100		
106	50.4	41.1	61.7

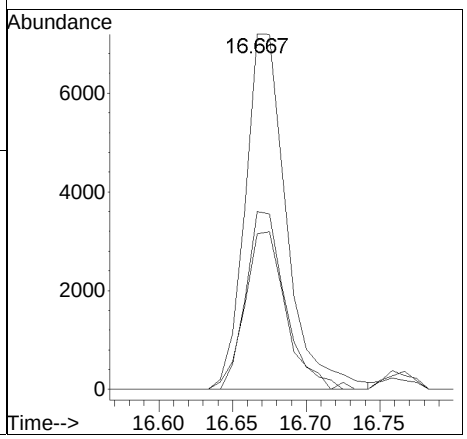


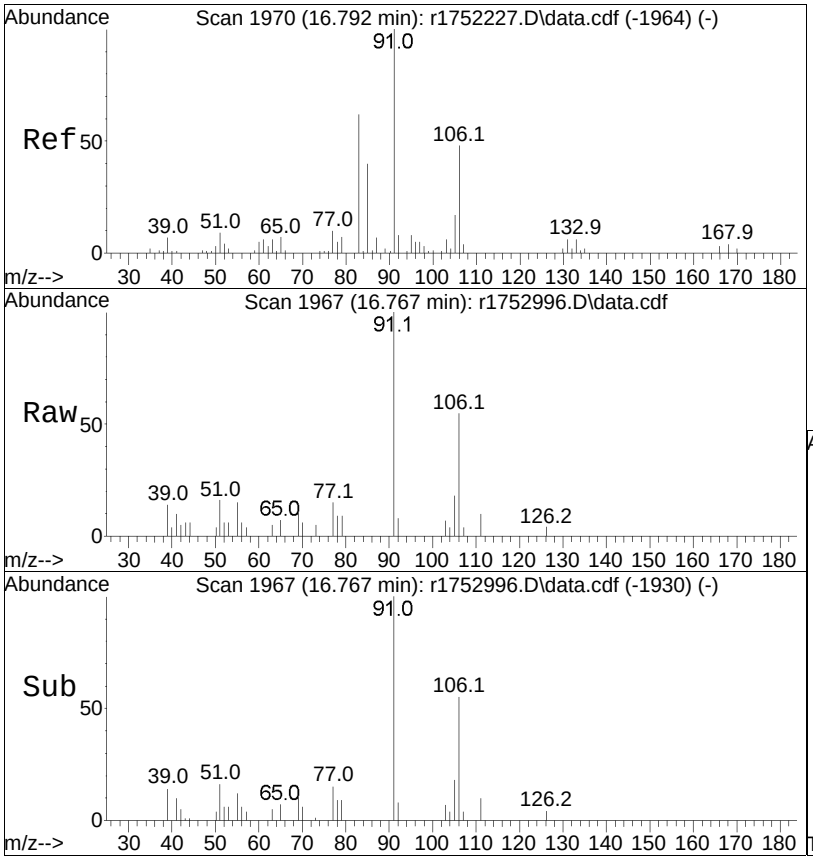


#85
styrene
Concen: 0.19 ppbV
RT: 16.667 min Scan# 1955
Delta R.T. -0.033 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:104 Resp: 14058

Ion	Ratio	Lower	Upper
104	100		
103	43.8	34.9	52.3
78	50.0	33.0	49.4#

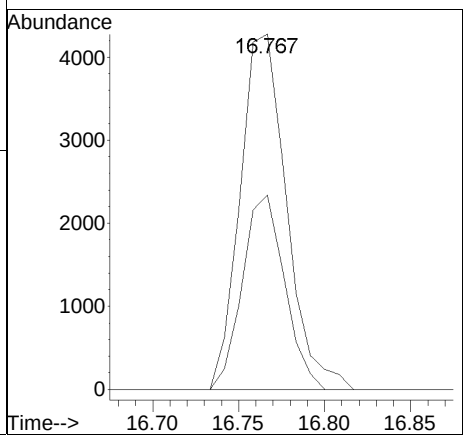


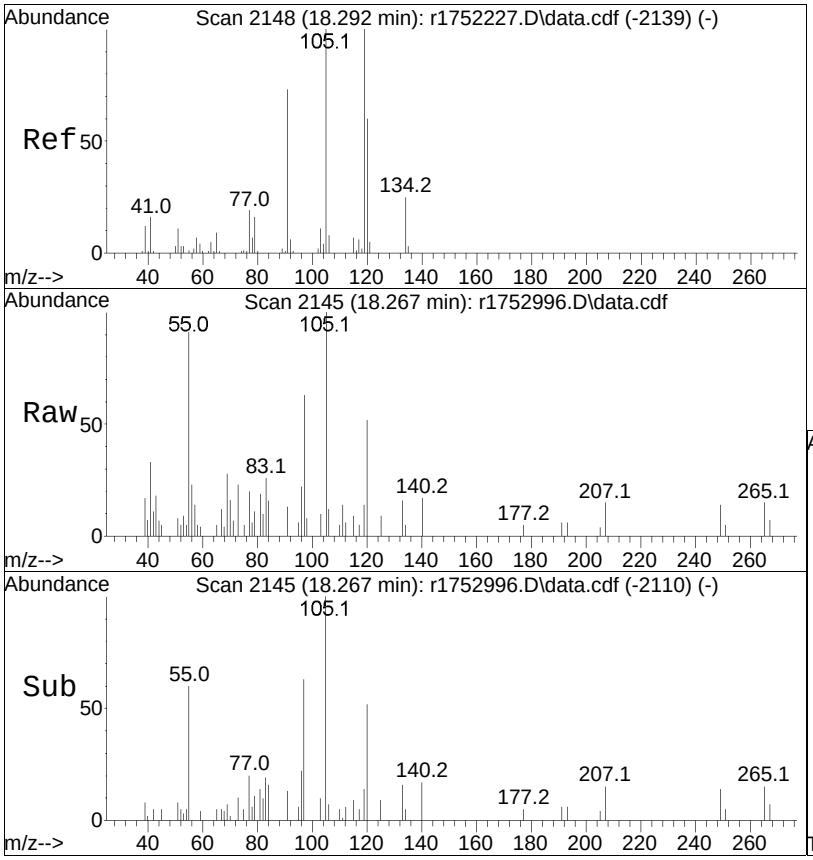


#87
o-xylene
Concen: 0.08 ppbV
RT: 16.767 min Scan# 1967
Delta R.T. -0.025 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion: 91 Resp: 8031

Ion	Ratio	Lower	Upper
91	100		
106	54.6	38.4	57.6

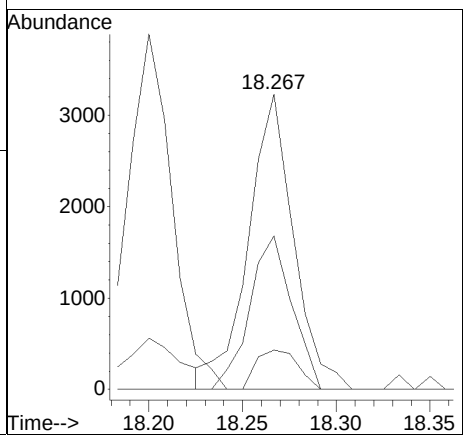




#99
1,2,4-trimethylbenzene
Concen: 0.05 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752996.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:105 Resp: 5435

Ion	Ratio	Lower	Upper
105	100		
120	52.0	48.0	72.0
91	13.3	58.3	87.5#

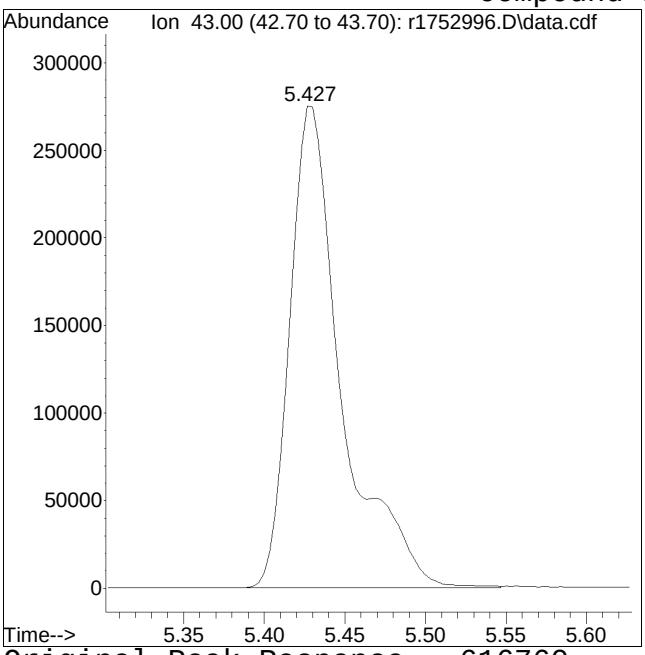


Manual Integration Report

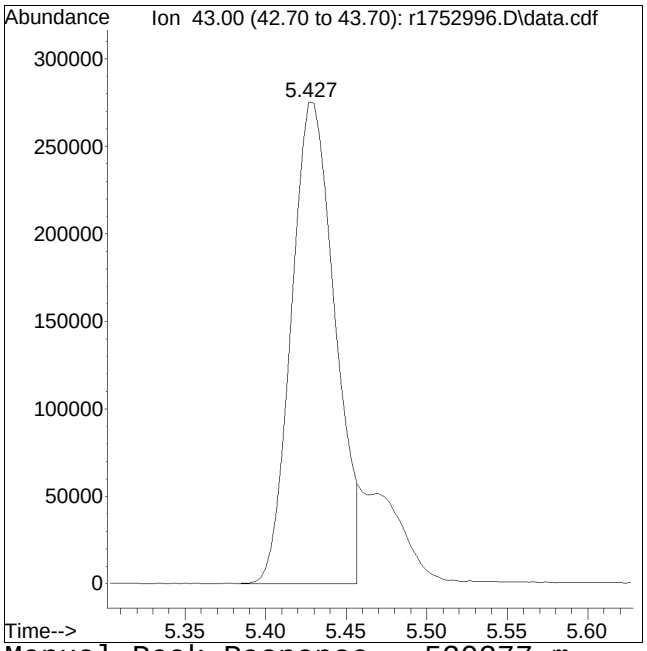
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752996.D
Date Inj'd : 12/18/2025 11:57 PM
Sample : L2577500-10,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:20 am

Compound #19: acetone



Original Peak Response = 616760



Manual Peak Response = 520377 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237347.D
Acq On : 19 Dec 2025 12:32 am
Operator : AIRLAB23:TPH
Sample : L2577500-17D,3,0.22,250
Misc : WG2155905,ICAL22840
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 07:16:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.878	49	204147	10.000	ppbV	0.00
Standard Area = 206017			Recovery = 99.09%			
43) 1,4-difluorobenzene	11.056	114	943845	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 114.49%			
67) chlorobenzene-D5	15.734	54	110648	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 107.66%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.880	85	3730	0.068	ppbV	99
6) chloromethane	3.880		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	5.027	31	6346	0.806	ppbV #	82
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.543	43	4579	0.230	ppbV #	94
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	5.812	45	5651	0.269	ppbV #	86
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.476	59	5538	0.210	ppbV #	82
28) methylene chloride	6.515		0	N.D.		
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	0.000		0	N.D.		
31) Freon 113	0.000		0	N.D.		
32) trans-1,2-dichloroethene	7.552		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	9.025	83	1610	0.035	ppbV #	79
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237347.D
Acq On : 19 Dec 2025 12:32 am
Operator : AIRLAB23:TPH
Sample : L2577500-17D,3,0.22,250
Misc : WG2155905,ICAL22840
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 07:16:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.		
50)	benzene	0.000		0	N.D.		
52)	carbon tetrachloride	0.000		0	N.D.		
53)	cyclohexane	0.000		0	N.D. d		
56)	1,2-dichloropropane	0.000		0	N.D.		
57)	bromodichloromethane	0.000		0	N.D.		
58)	1,4-dioxane	0.000		0	N.D.		
59)	trichloroethene	11.848	130	5575	0.136	ppbV	98
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	13.979		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	15.147	166	2098378	43.670	ppbV	98
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	0.000		0	N.D.		
87)	o-xylene	0.000		0	N.D.		
96)	4-ethyl toluene	17.693		0	N.D.		
97)	1,3,5-trimethylbenzene	17.693		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	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\Airlab23\2025\12\1218T\
Data File : R237347.D
Acq On : 19 Dec 2025 12:32 am
Operator : AIRLAB23:TPH
Sample : L2577500-17D,3,0.22,250
Misc : WG2155905,ICAL22840
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 07:16:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

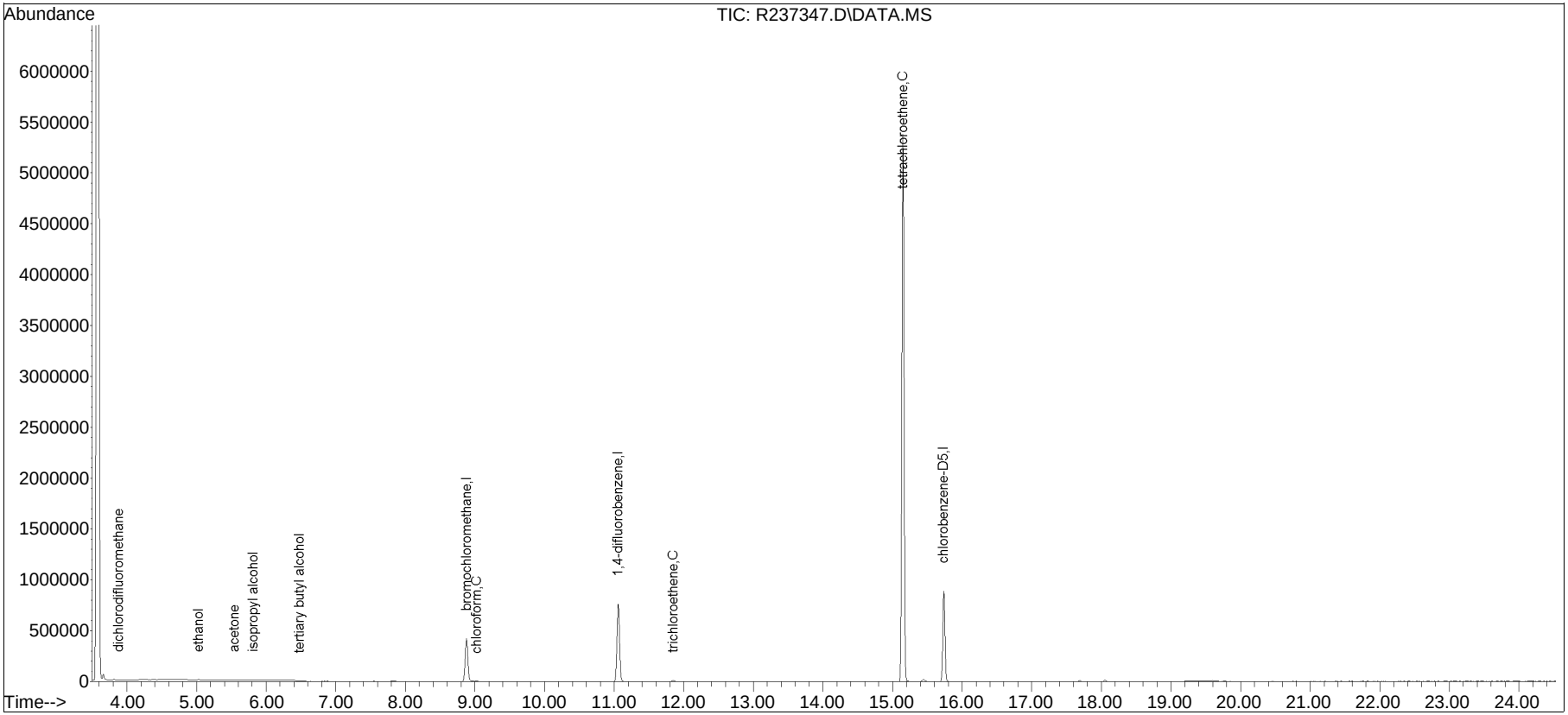
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

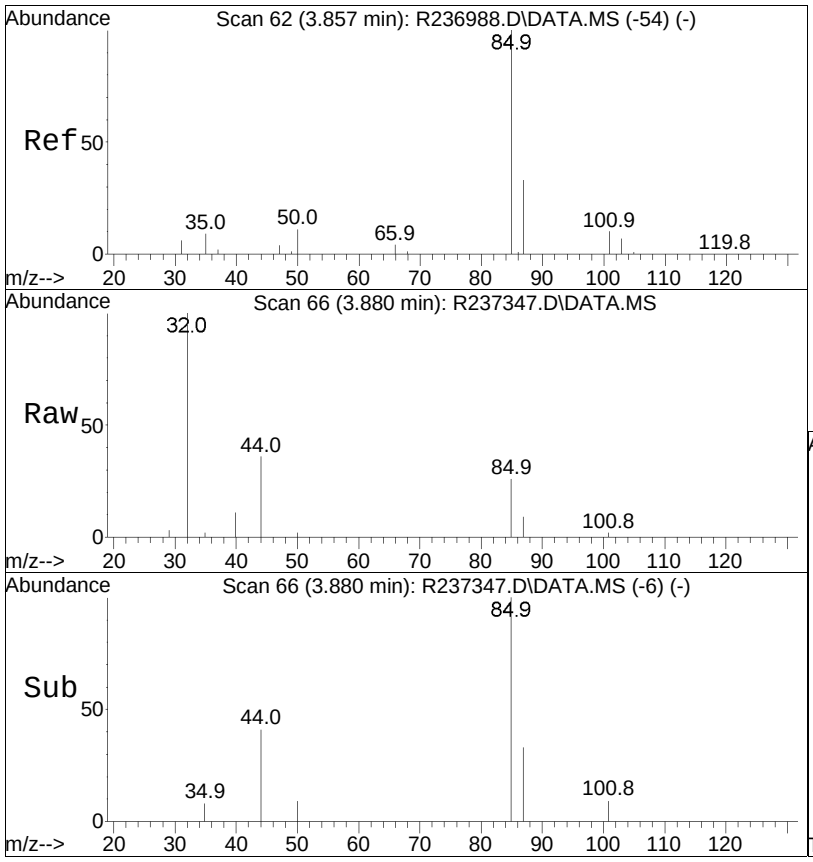
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237347.D
Acq On : 19 Dec 2025 12:32 am
Operator : AIRLAB23:TPH
Sample : L2577500-17D,3,0.22,250
Misc : WG2155905,ICAL22840
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 19 07:16:17 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

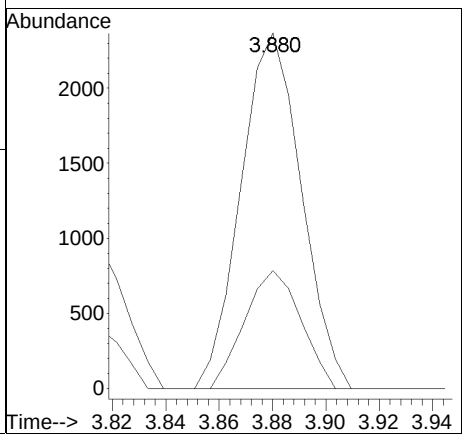


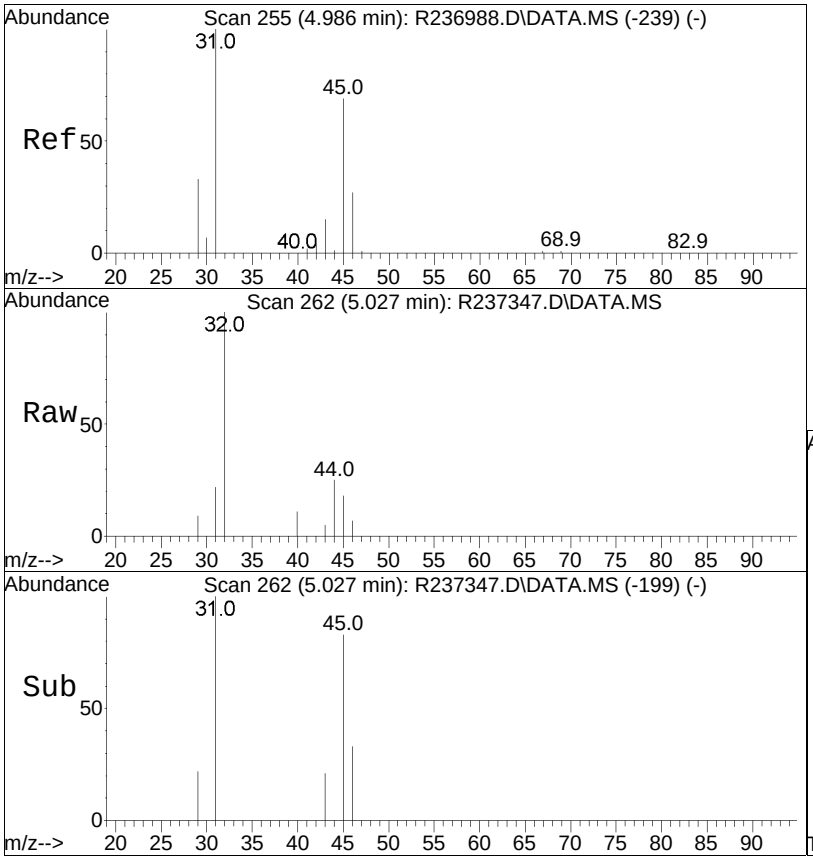


#5
dichlorodifluoromethane
Concen: 0.07 ppbV
RT: 3.880 min Scan# 66
Delta R.T. 0.023 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 85 Resp: 3730

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.8	40.2

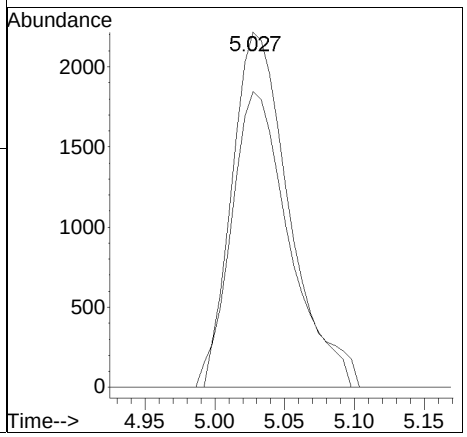


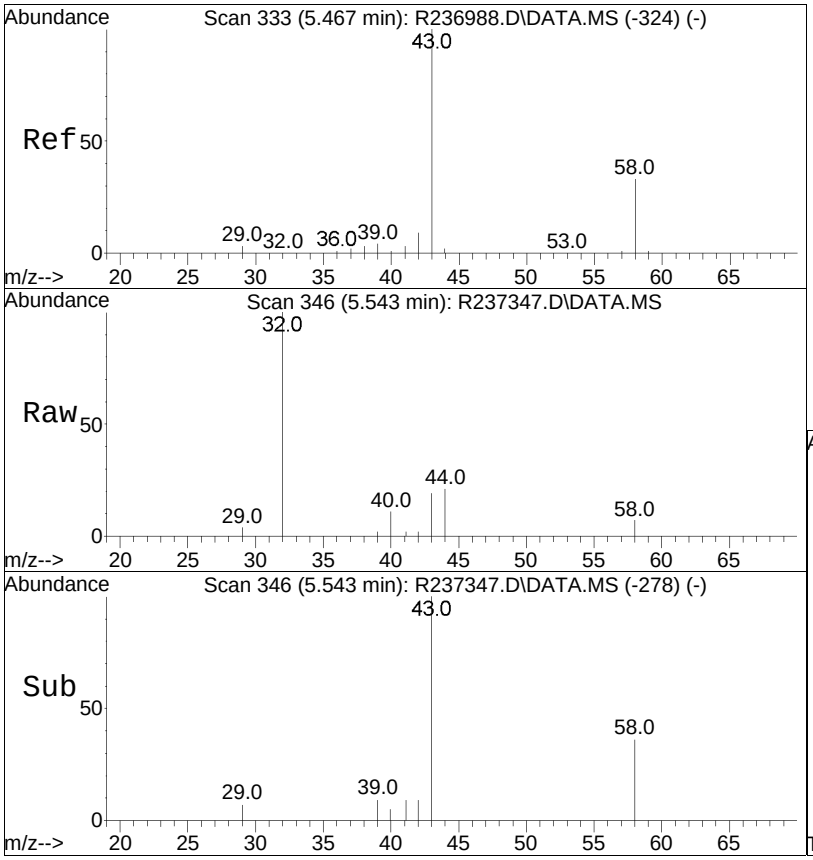


#15
ethanol
Concen: 0.81 ppbV
RT: 5.027 min Scan# 262
Delta R.T. 0.041 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 31 Resp: 6346

Ion	Ratio	Lower	Upper
31	100		
45	83.3	55.0	82.6#

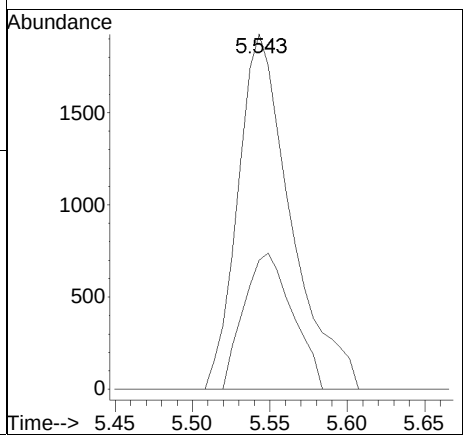


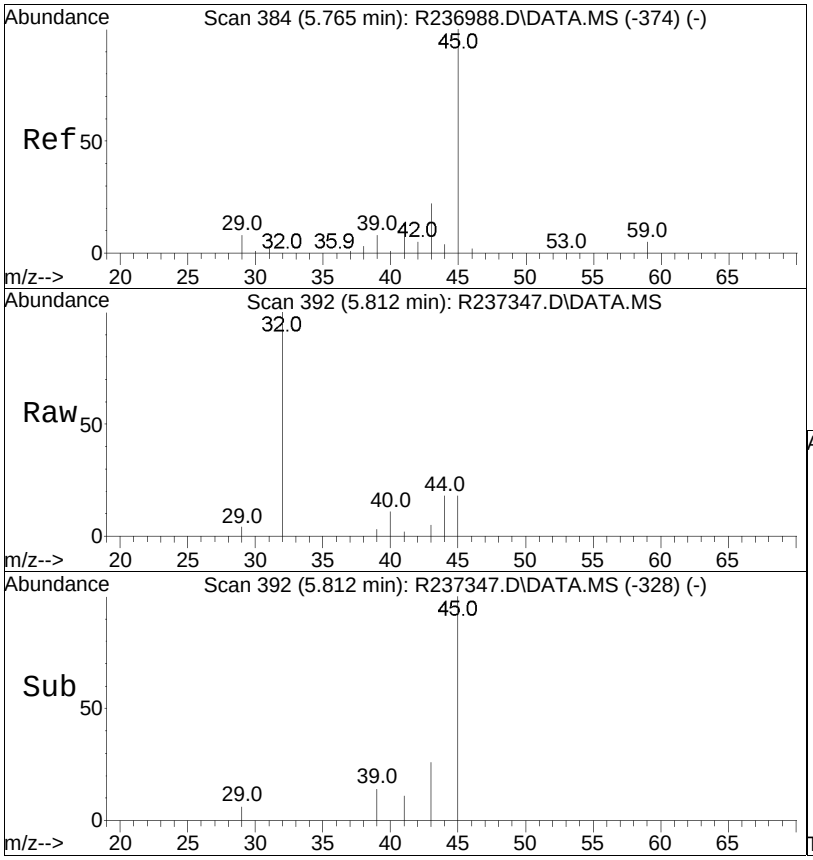


#19
acetone
Concen: 0.23 ppbV
RT: 5.543 min Scan# 346
Delta R.T. 0.076 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 43 Resp: 4579

Ion	Ratio	Lower	Upper
43	100		
58	36.3	26.2	39.4
57	0.0	0.7	1.1#

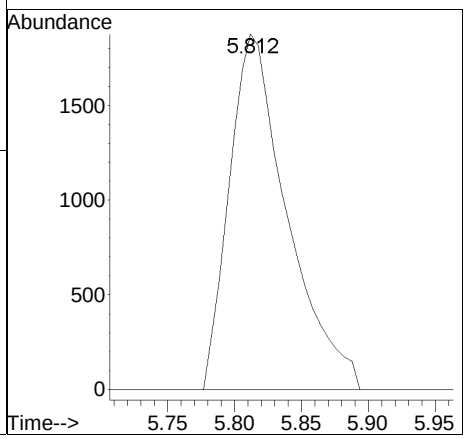


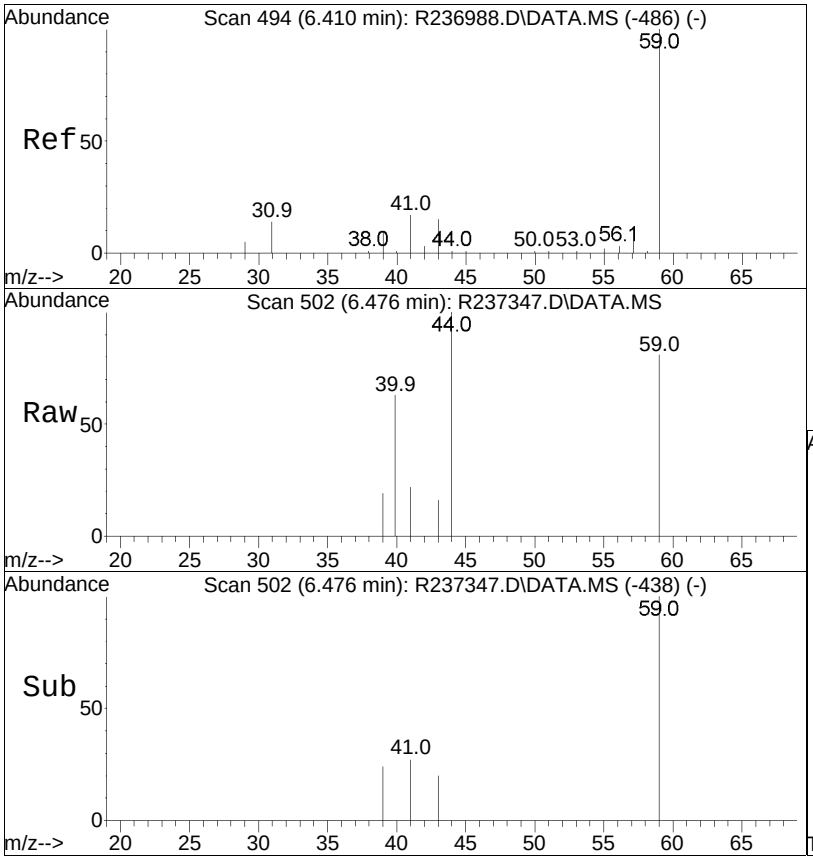


#22
isopropyl alcohol
Concen: 0.27 ppbV
RT: 5.812 min Scan# 392
Delta R.T. 0.047 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 45 Resp: 5651

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.8	5.6#

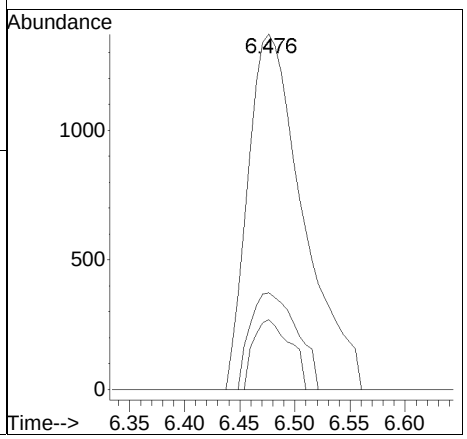


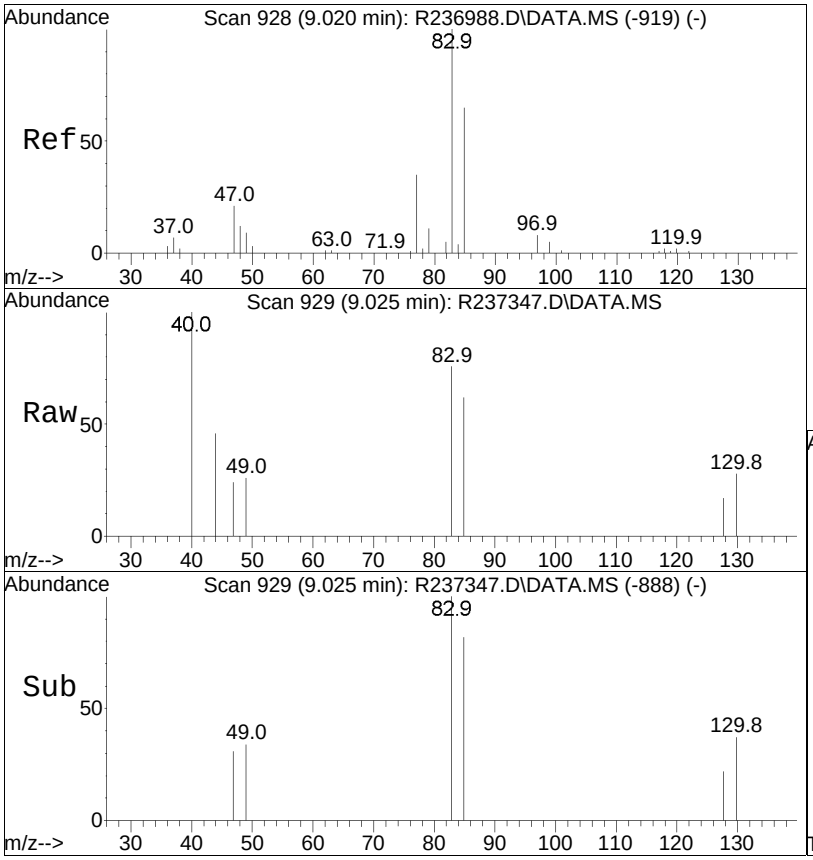


#27
tertiary butyl alcohol
Concen: 0.21 ppbV
RT: 6.476 min Scan# 502
Delta R.T. 0.066 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 59 Resp: 5538

Ion	Ratio	Lower	Upper
59	100		
41	27.2	13.6	20.4#
43	19.6	11.7	17.5#

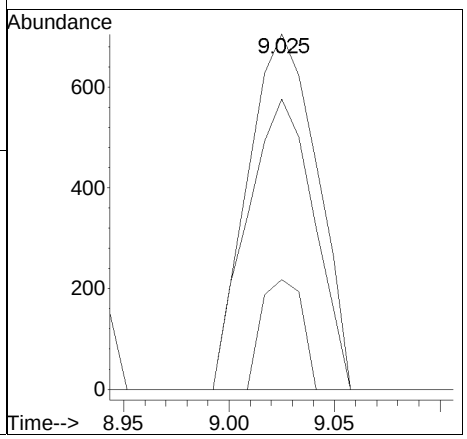


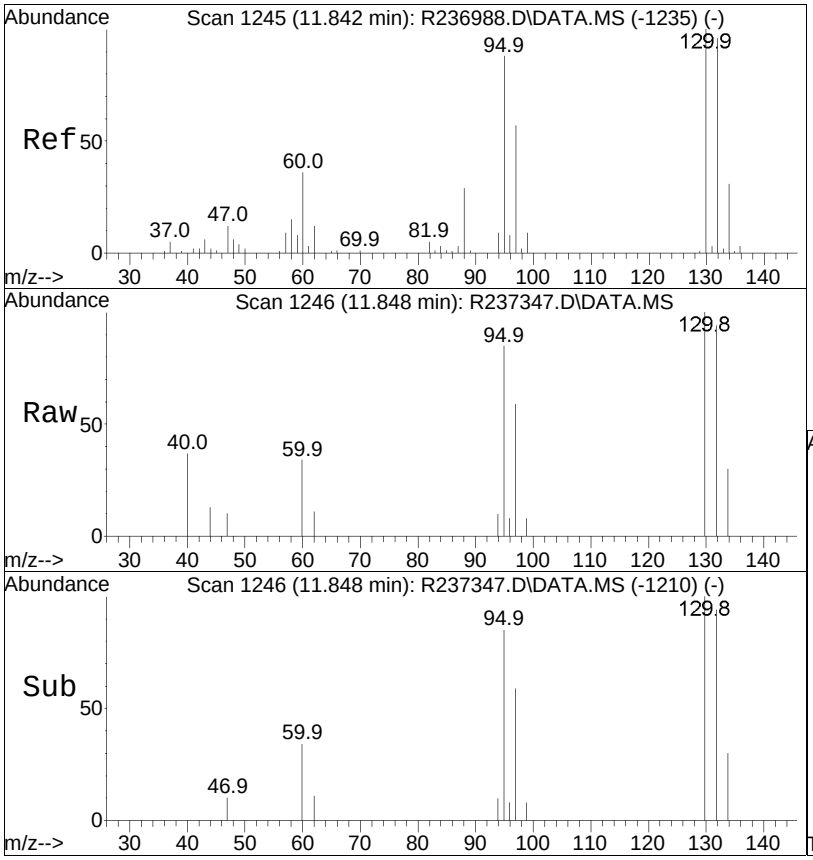


#39
chloroform
Concen: 0.03 ppbV
RT: 9.025 min Scan# 929
Delta R.T. 0.005 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion: 83 Resp: 1610

Ion	Ratio	Lower	Upper
83	100		
85	81.7	52.3	78.5#
47	30.9	17.1	25.7#

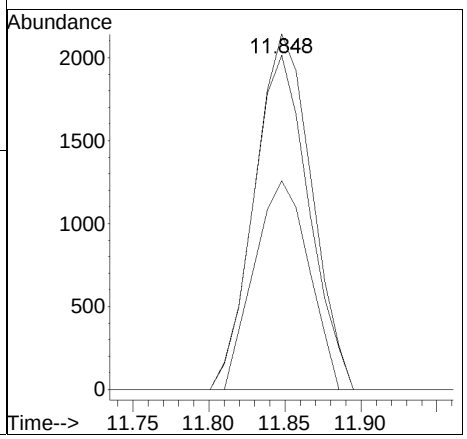


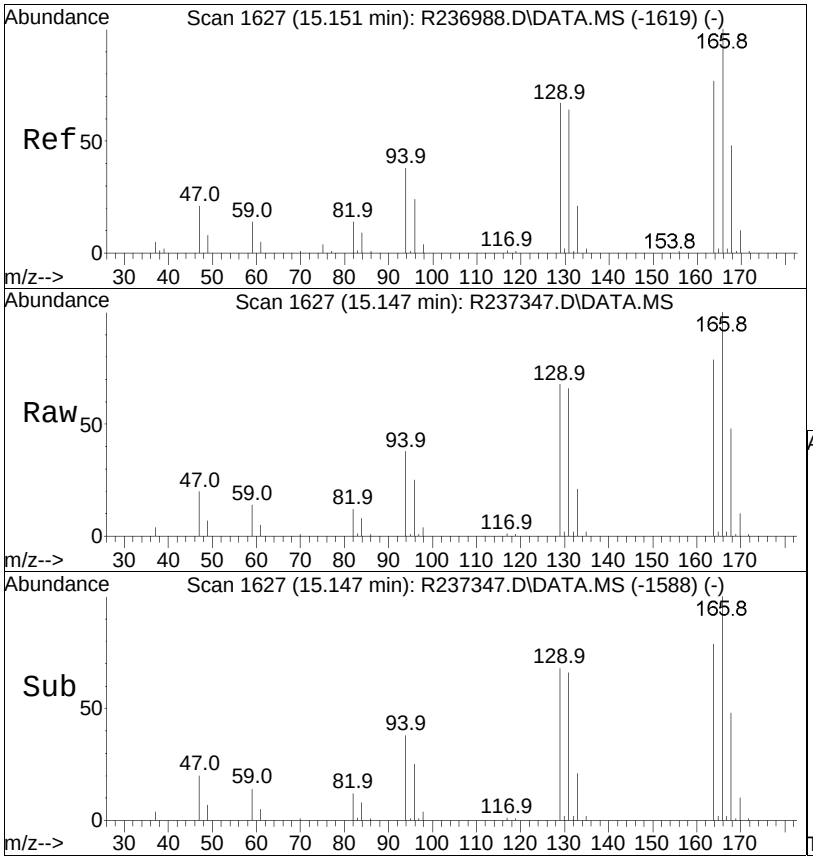


#59
trichloroethene
Concen: 0.14 ppbV
RT: 11.848 min Scan# 1246
Delta R.T. 0.006 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion:130 Resp: 5575

Ion	Ratio	Lower	Upper
130	100		
132	94.0	76.7	115.1
97	58.7	45.7	68.5

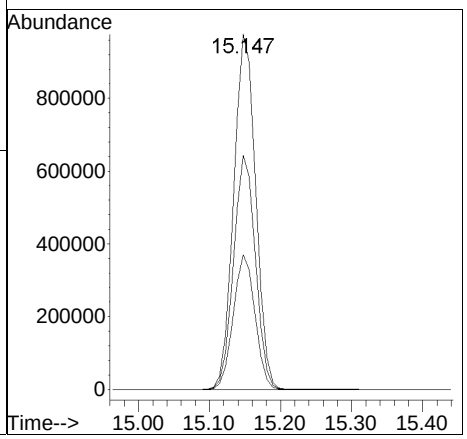




#78
tetrachloroethene
Concen: 43.67 ppbV
RT: 15.147 min Scan# 1627
Delta R.T. -0.004 min
Lab File: R237347.D
Acq: 19 Dec 2025 12:32 am

Tgt Ion:166 Resp: 2098378

Ion	Ratio	Lower	Upper
166	100		
131	65.9	51.4	77.0
94	37.9	30.2	45.2



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TFS23_251121.M
Data File	: R237347.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 12/19/2025 12:32 am	Instrument	: Airlab23
Sample	: L2577500-17D,3,0.22,250	Quant Date	: 12/19/2025 7:16 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752997.D
Acq On : 19 Dec 2025 12:35 AM
Operator : AIRLAB17:TPH
Sample : L2577500-11,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:37 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	336899	10.000	ppbV	-0.04
Standard Area = 341577			Recovery = 98.63%			
43) 1,4-difluorobenzene	11.017	114	881170	10.000	ppbV	-0.03
Standard Area = 849055			Recovery = 103.78%			
67) chlorobenzene-D5	15.775	54	148236	10.000	ppbV	-0.03
Standard Area = 140112			Recovery = 105.80%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.868	85	26270	0.554	ppbV	99
6) chloromethane	4.024	50	12316	0.578	ppbV	98
7) Freon-114	4.126		0	N.D.		
10) 1,3-butadiene	4.378	54	688	0.036	ppbV #	71
13) bromomethane	4.636		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.954	31	5071290	261.962	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.430	43	483238m	14.785	ppbV	
21) trichlorofluoromethane	5.623	101	8261	0.177	ppbV	96
22) isopropyl alcohol	5.713	45	355078	9.571	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.438	49	5247	0.188	ppbV	95
29) 3-chloropropene	6.558		0	N.D.		
30) carbon disulfide	6.732		0	N.D.		
31) Freon 113	6.738	101	2772	0.055	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.	d	
36) 2-butanone	8.125	43	15213	0.295	ppbV	97
38) Ethyl Acetate	8.892	61	11187	1.184	ppbV #	46
39) chloroform	8.950	83	4255	0.096	ppbV	97
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.775		0	N.D.		
44) hexane	8.875	57	7023	0.166	ppbV #	1
50) benzene	10.590	78	15376	0.209	ppbV	96
53) cyclohexane	10.903	56	2512	0.056	ppbV	95
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752997.D
Acq On : 19 Dec 2025 12:35 AM
Operator : AIRLAB17:TPH
Sample : L2577500-11,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:37 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

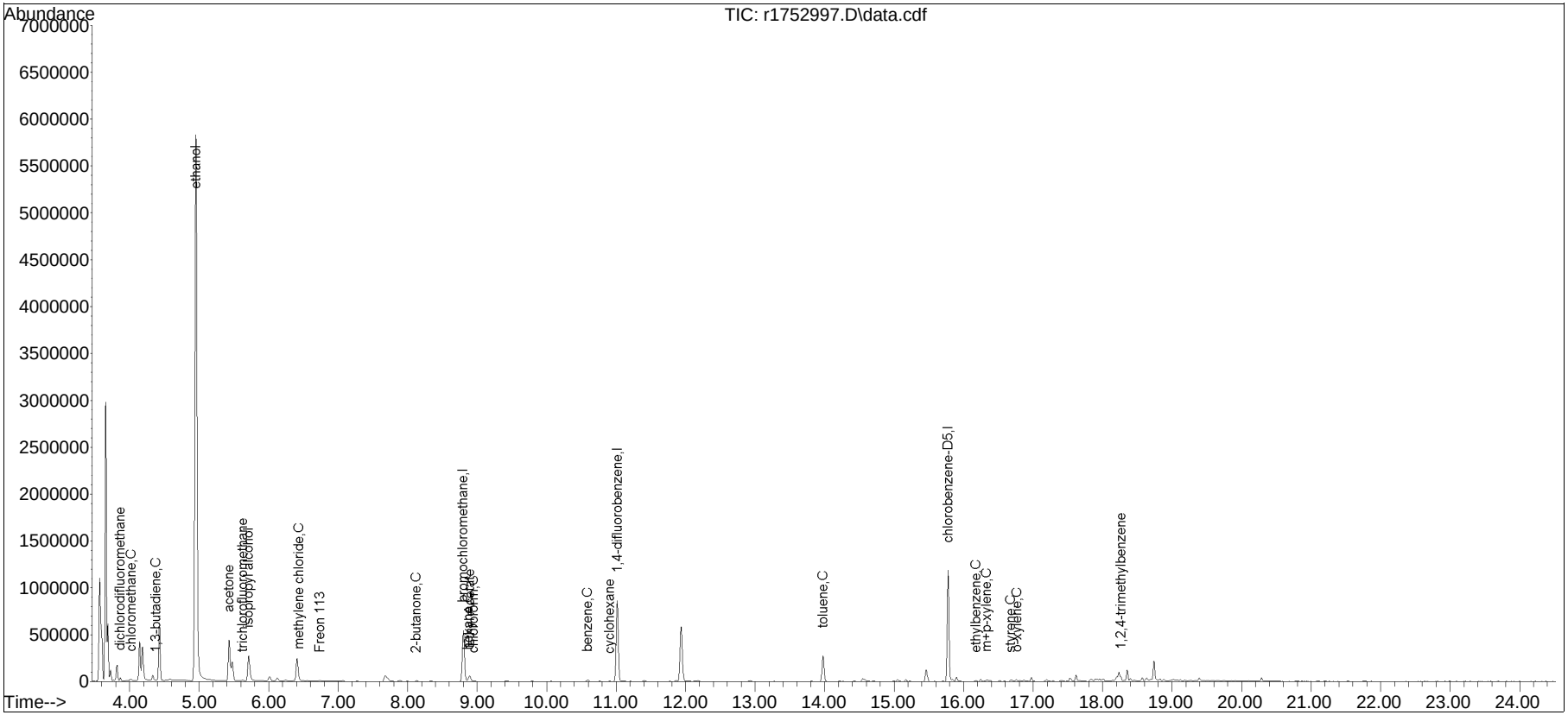
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57)	bromodichloromethane	11.763		0	N.D.		
58)	1,4-dioxane	0.000		0	N.D.		
60)	2,2,4-trimethylpentane	0.000		0	N.D.	d	
62)	heptane	0.000		0	N.D.		
63)	cis-1,3-dichloropropene	0.000		0	N.D.		
64)	4-methyl-2-pentanone	12.892		0	N.D.		
65)	trans-1,3-dichloropropene	0.000		0	N.D.		
66)	1,1,2-trichloroethane	0.000		0	N.D.		
68)	toluene	13.975	91	236114	2.311	ppbV	97
72)	2-hexanone	14.333		0	N.D.		
74)	dibromochloromethane	0.000		0	N.D.		
75)	1,2-dibromoethane	0.000		0	N.D.		
80)	chlorobenzene	15.842		0	N.D.		
81)	ethylbenzene	16.175	91	7032	0.054	ppbV	97
83)	m+p-xylene	16.333	91	14785	0.144	ppbV	99
84)	bromoform	0.000		0	N.D.		
85)	styrene	16.675	104	4465	0.058	ppbV	90
86)	1,1,2,2-tetrachloroethane	16.808		0	N.D.		
87)	o-xylene	16.767	91	5873	0.057	ppbV	92
96)	4-ethyl toluene	17.917		0	N.D.		
97)	1,3,5-trimethylbenzene	17.917		0	N.D.		
99)	1,2,4-trimethylbenzene	18.267	105	7031	0.065	ppbV #	55
101)	Benzyl Chloride	18.458		0	N.D.		
102)	1,3-dichlorobenzene	18.458		0	N.D.		
103)	1,4-dichlorobenzene	18.458		0	N.D.		
107)	1,2-dichlorobenzene	0.000		0	N.D.		
115)	1,2,4-trichlorobenzene	0.000		0	N.D.		
116)	naphthalene	20.350		0	N.D.		
119)	hexachlorobutadiene	0.000		0	N.D.		

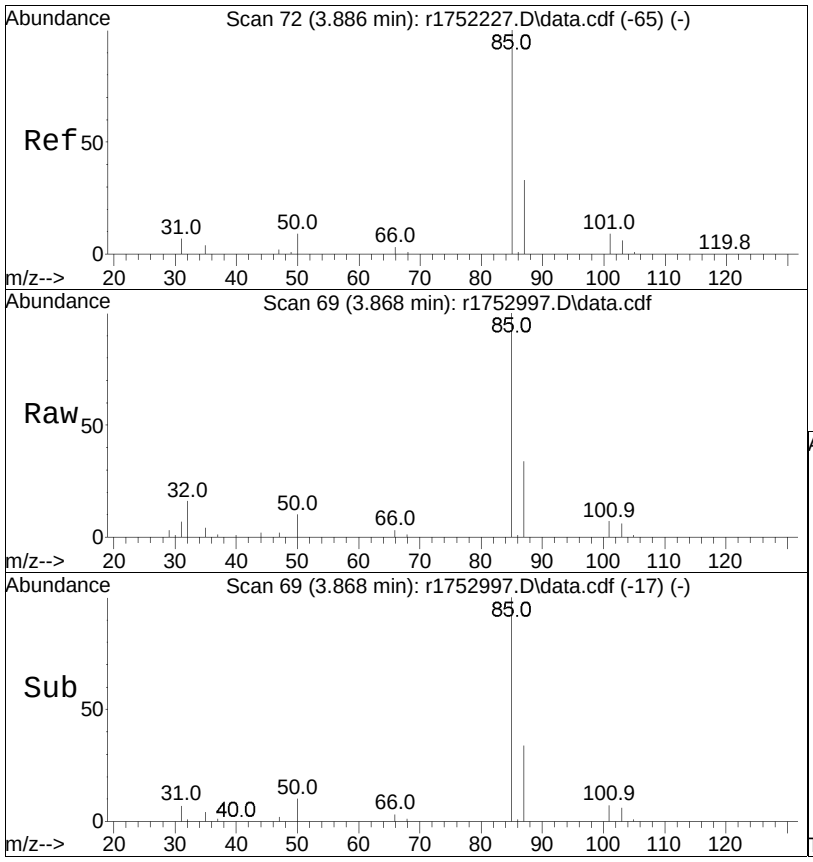
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752997.D
Acq On : 19 Dec 2025 12:35 AM
Operator : AIRLAB17:TPH
Sample : L2577500-11,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:37 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

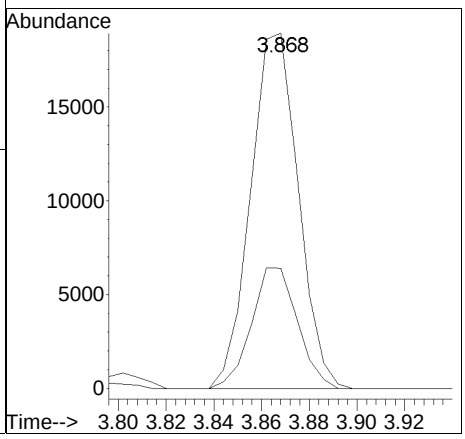


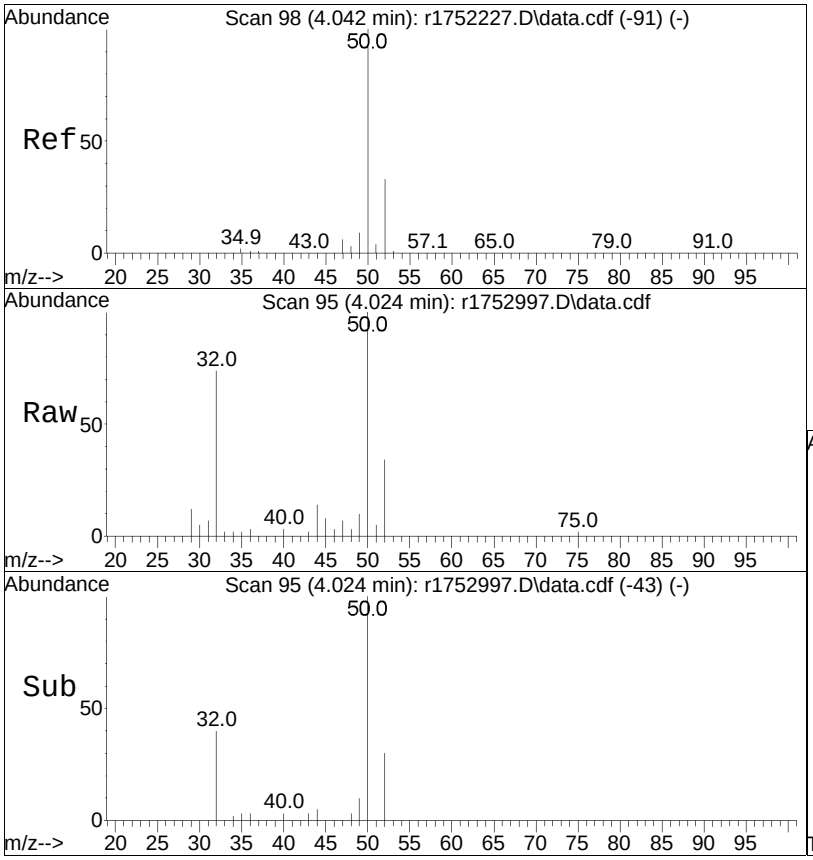


#5
dichlorodifluoromethane
Concen: 0.55 ppbV
RT: 3.868 min Scan# 69
Delta R.T. -0.018 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 85 Resp: 26270

Ion	Ratio	Lower	Upper
85	100		
87	33.8	26.7	40.1

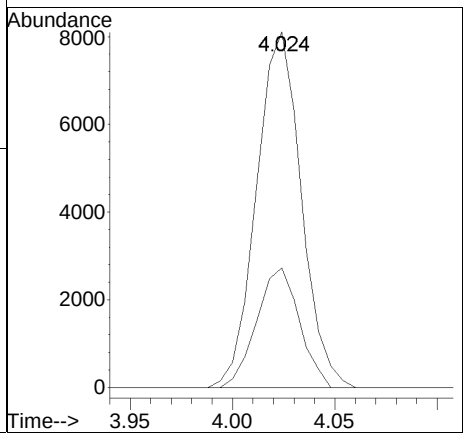


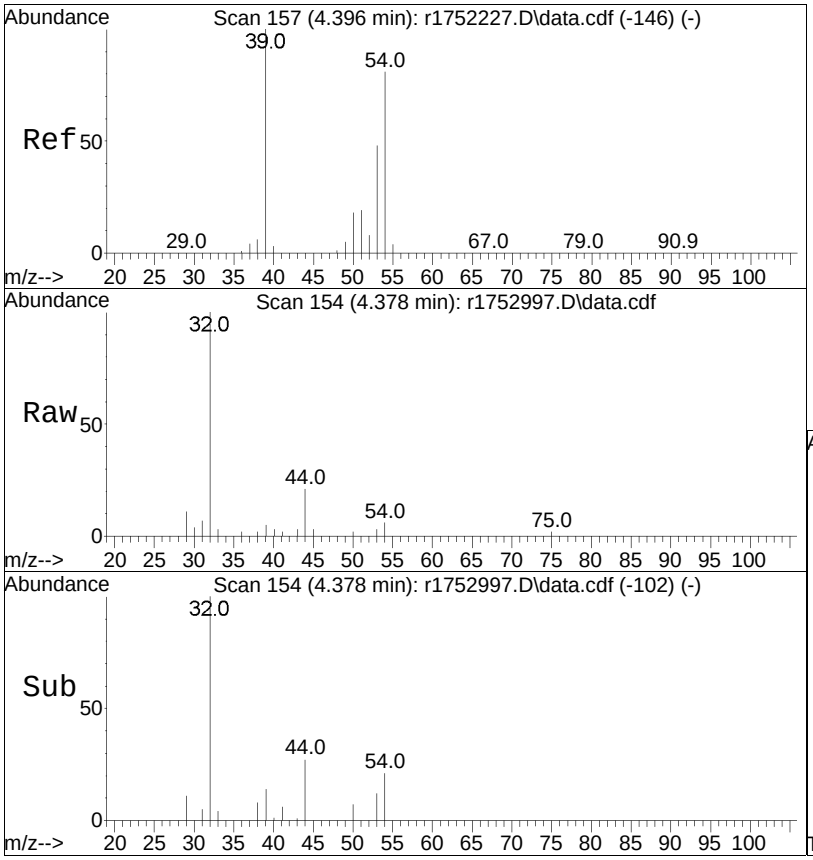


#6
chloromethane
Concen: 0.58 ppbV
RT: 4.024 min Scan# 95
Delta R.T. -0.018 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 50 Resp: 12316

Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.1	39.1

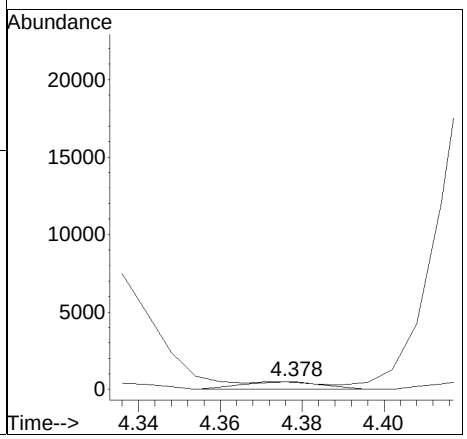


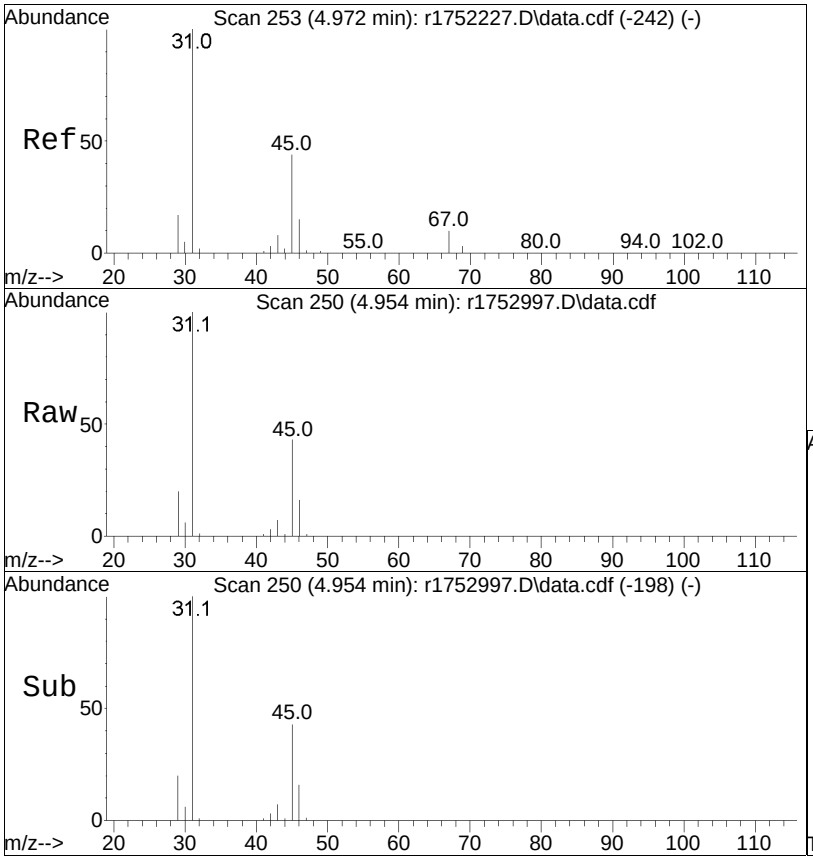


#10
1,3-butadiene
Concen: 0.04 ppbV
RT: 4.378 min Scan# 154
Delta R.T. -0.018 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 54 Resp: 688

Ion	Ratio	Lower	Upper
54	100		
39	91.7	99.8	149.8#

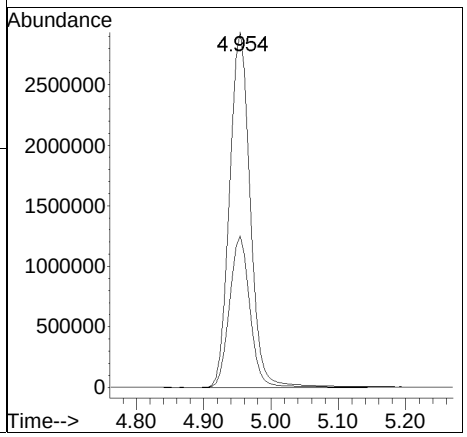


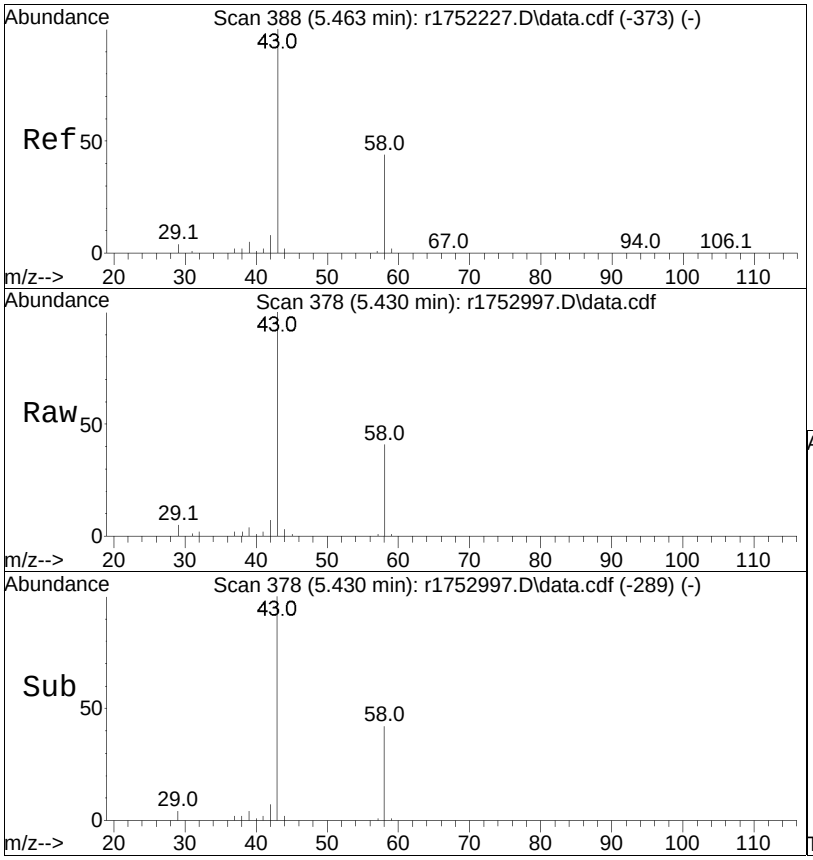


#15
ethanol
Concen: 261.96 ppbV
RT: 4.954 min Scan# 250
Delta R.T. -0.018 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 31 Resp: 5071290

Ion	Ratio	Lower	Upper
31	100		
45	42.7	35.3	52.9

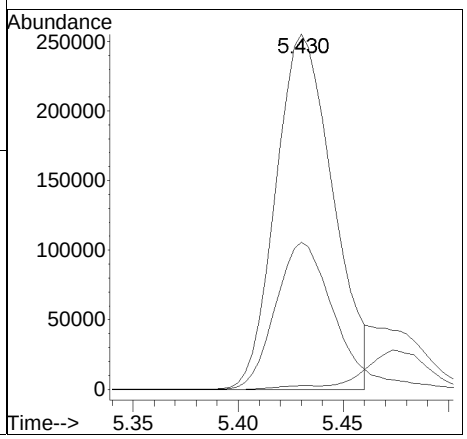


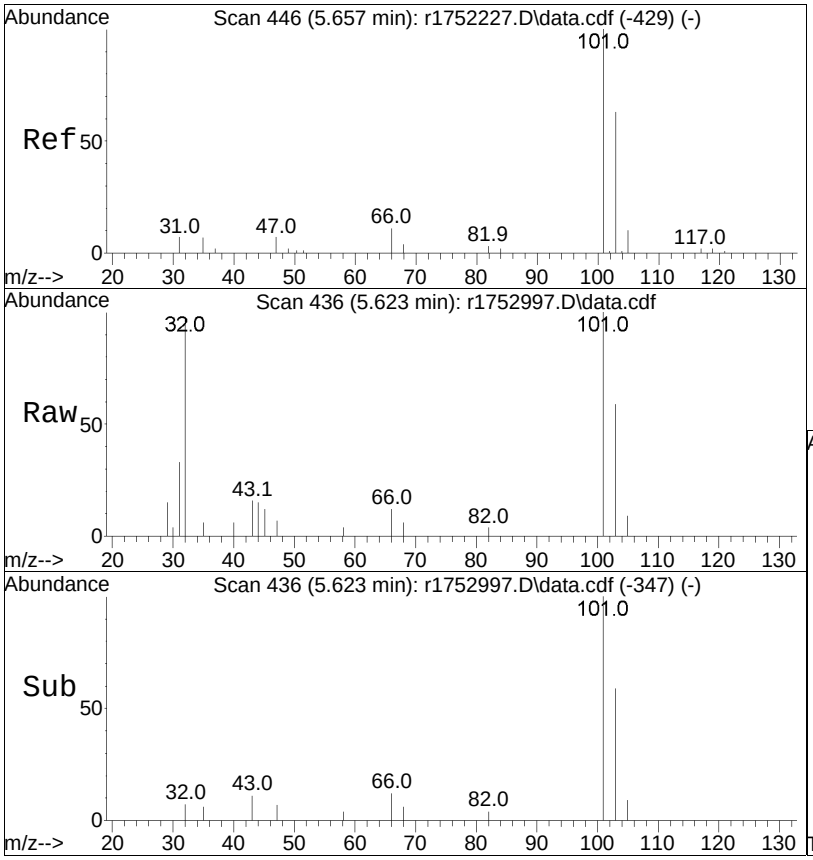


#19
acetone
Concen: 14.79 ppbV m
RT: 5.430 min Scan# 378
Delta R.T. -0.033 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 43 Resp: 483238

Ion	Ratio	Lower	Upper
43	100		
58	41.4	35.1	52.7
57	1.1	0.9	1.3

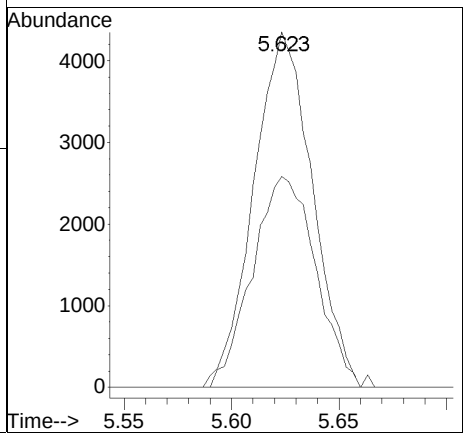


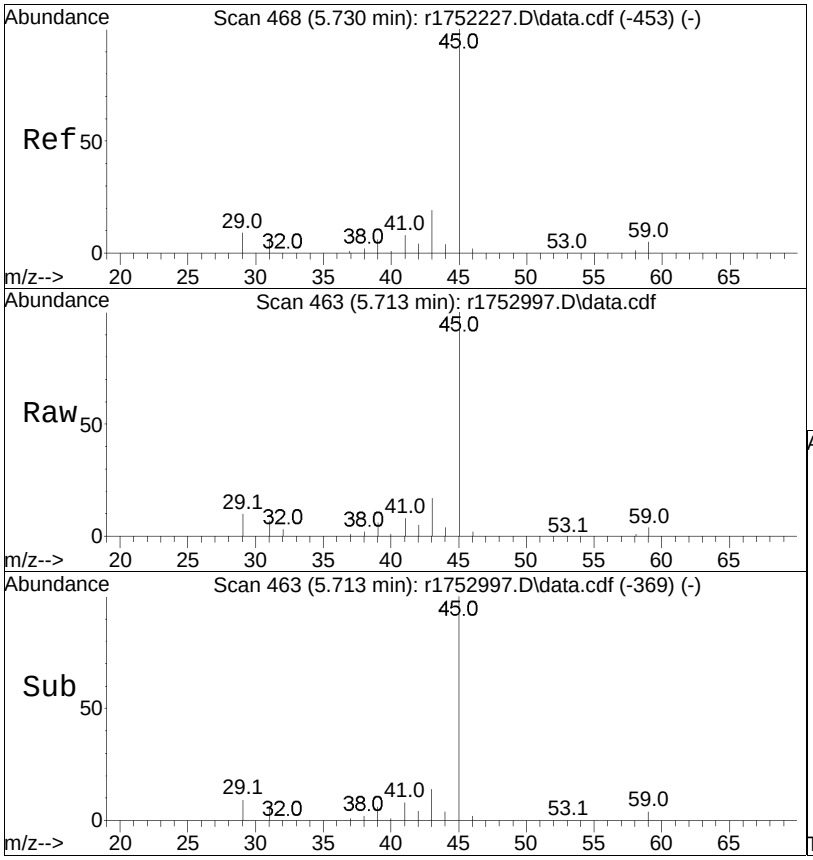


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.623 min Scan# 436
Delta R.T. -0.033 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:101 Resp: 8261

Ion	Ratio	Lower	Upper
101	100		
103	59.3	50.2	75.2

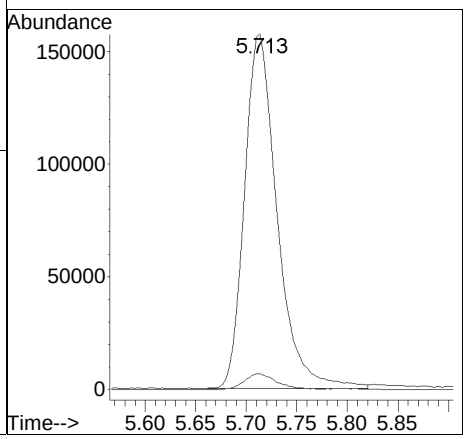


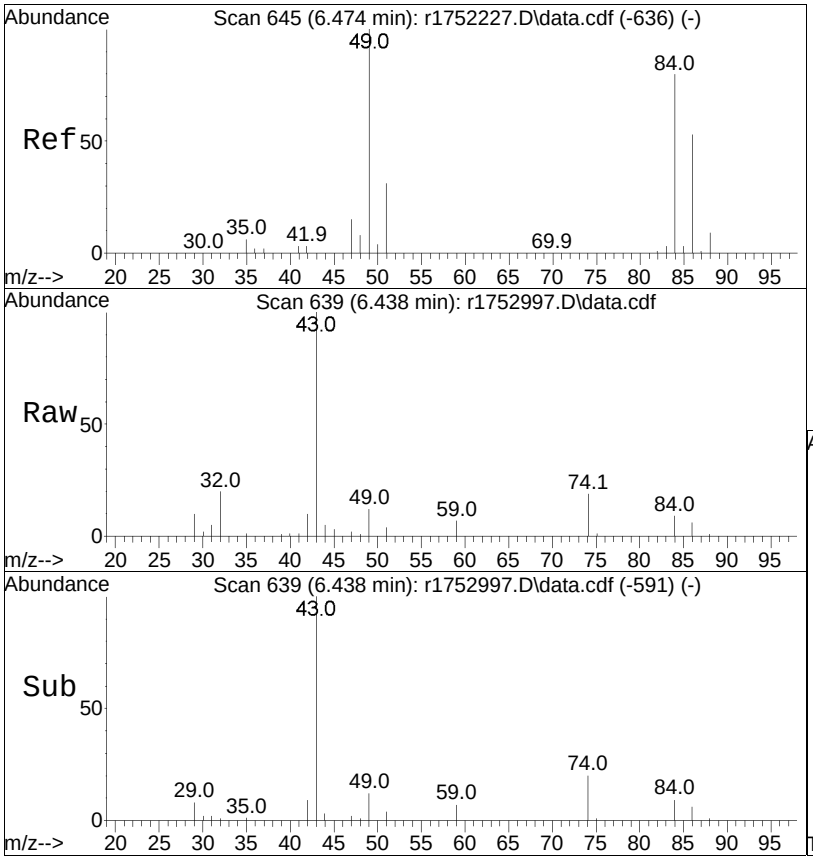


#22
isopropyl alcohol
Concen: 9.57 ppbV
RT: 5.713 min Scan# 463
Delta R.T. -0.017 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 45 Resp: 355078

Ion	Ratio	Lower	Upper
45	100		
59	4.5	4.2	6.2

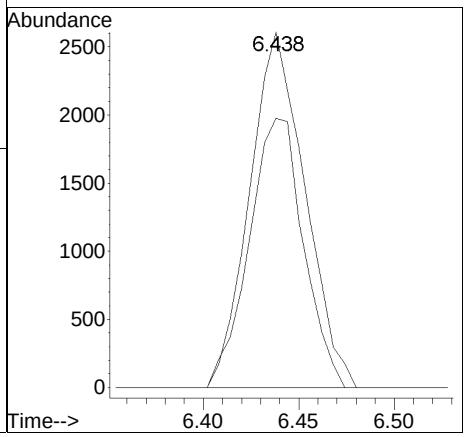


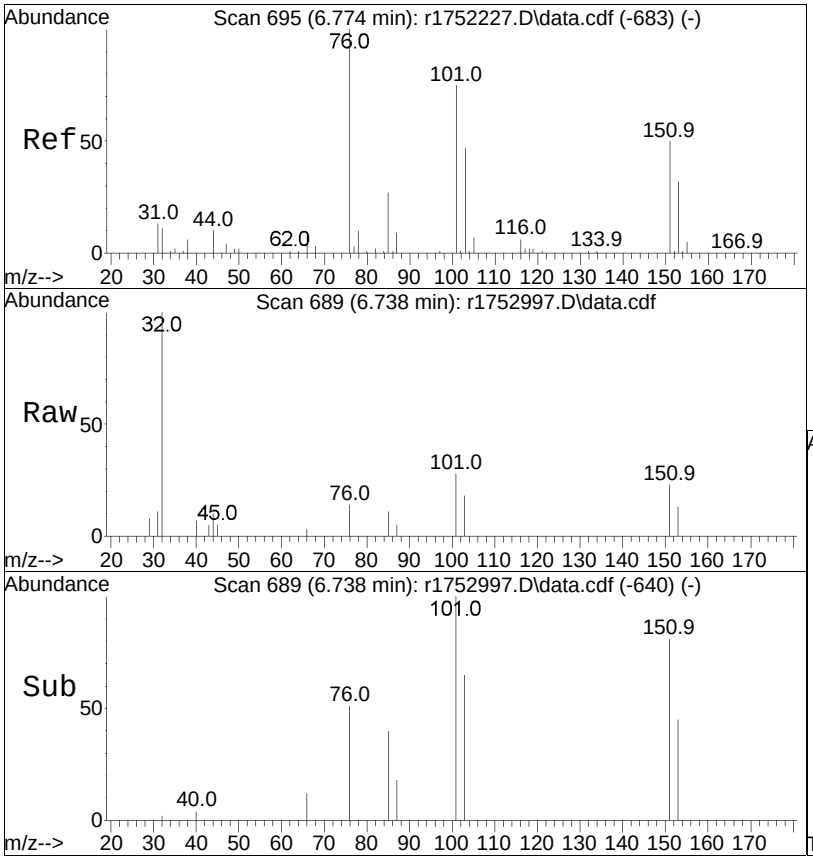


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.438 min Scan# 639
Delta R.T. -0.036 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 49 Resp: 5247

Ion	Ratio	Lower	Upper
49	100		
84	75.7	64.2	96.2

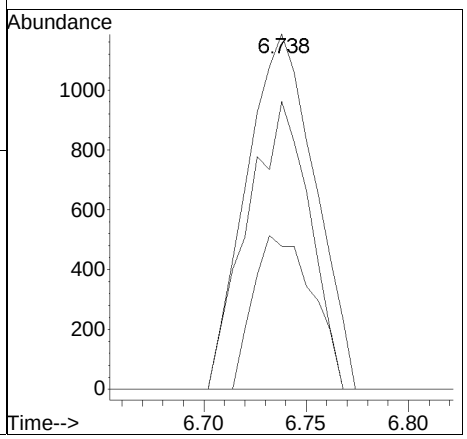


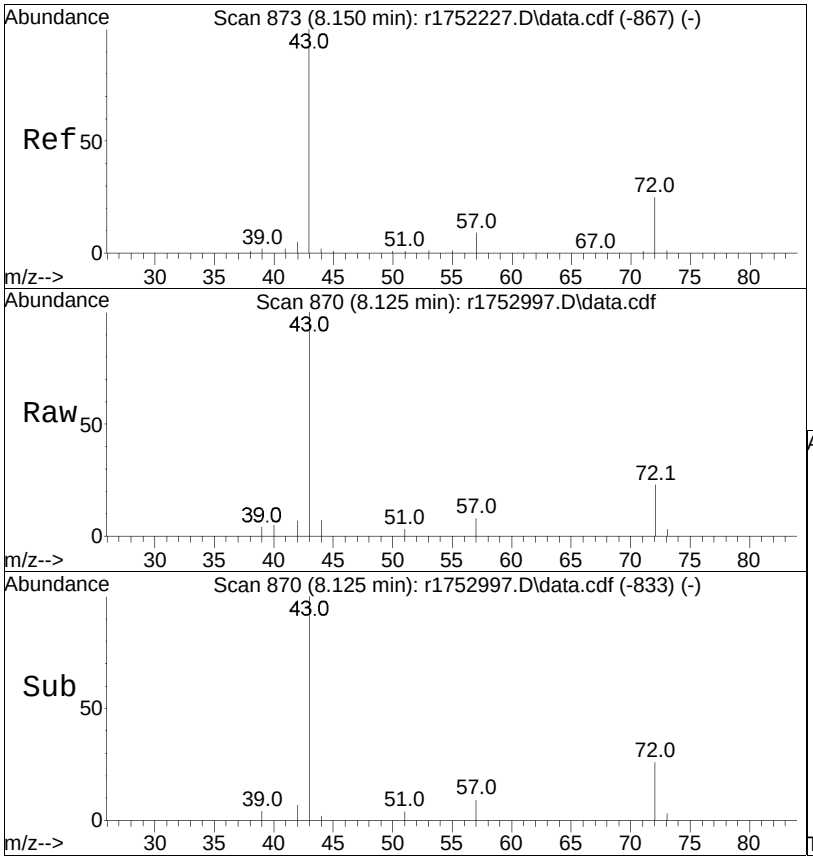


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.738 min Scan# 689
Delta R.T. -0.036 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:101 Resp: 2772

Ion	Ratio	Lower	Upper
101	100		
85	40.3	28.9	43.3
151	81.0	53.3	79.9#

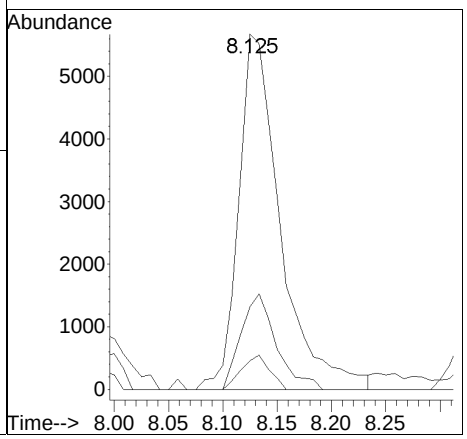


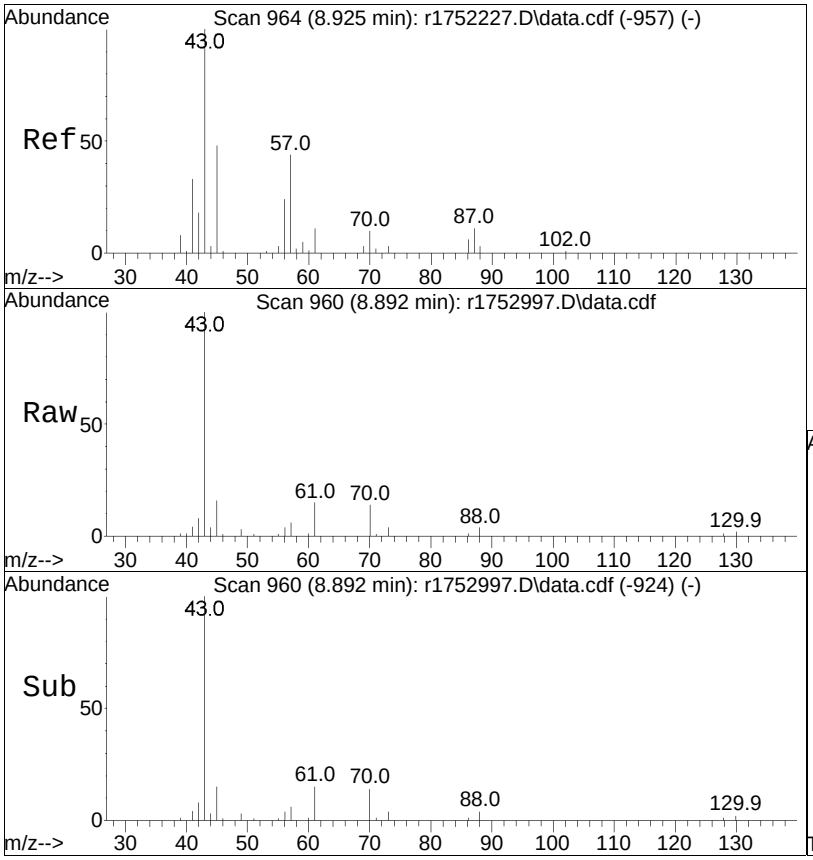


#36
2-butanone
Concen: 0.29 ppbV
RT: 8.125 min Scan# 870
Delta R.T. -0.025 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 43 Resp: 15213

Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.9	29.9
57	8.1	7.2	10.8

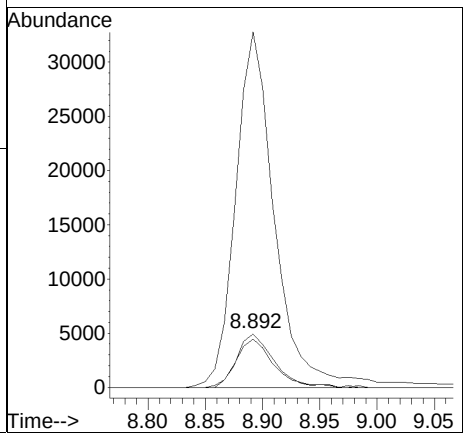


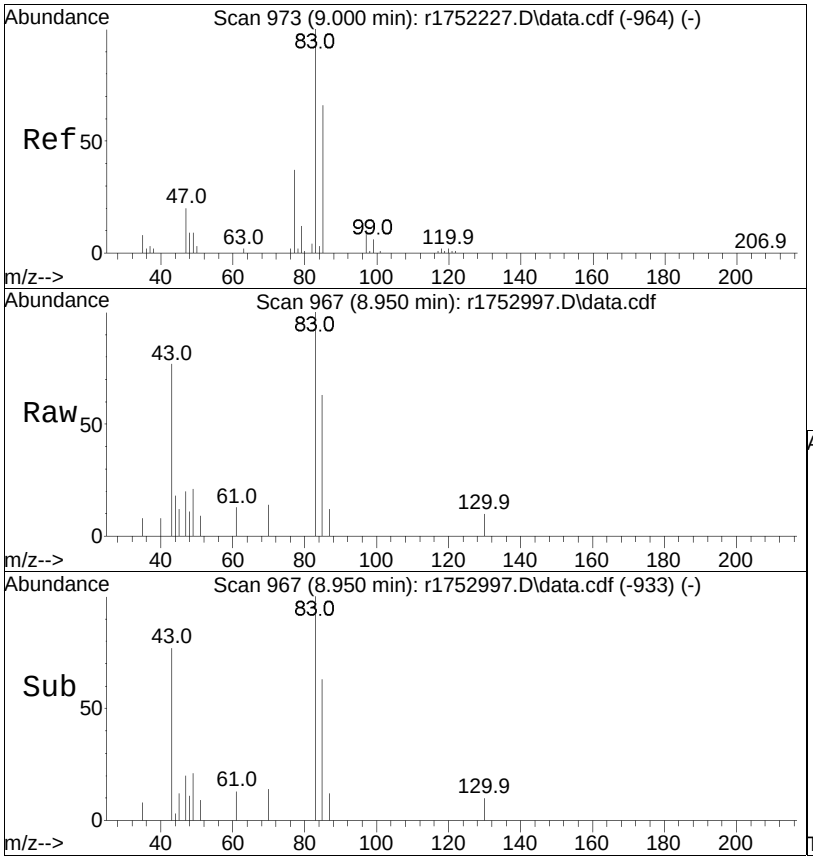


#38
Ethyl Acetate
Concen: 1.18 ppbV
RT: 8.892 min Scan# 960
Delta R.T. -0.033 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 61 Resp: 11187

Ion	Ratio	Lower	Upper
61	100		
70	90.5	68.4	102.6
43	665.0	727.4	1091.2#

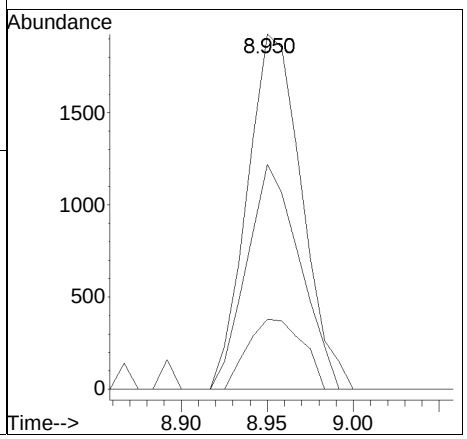


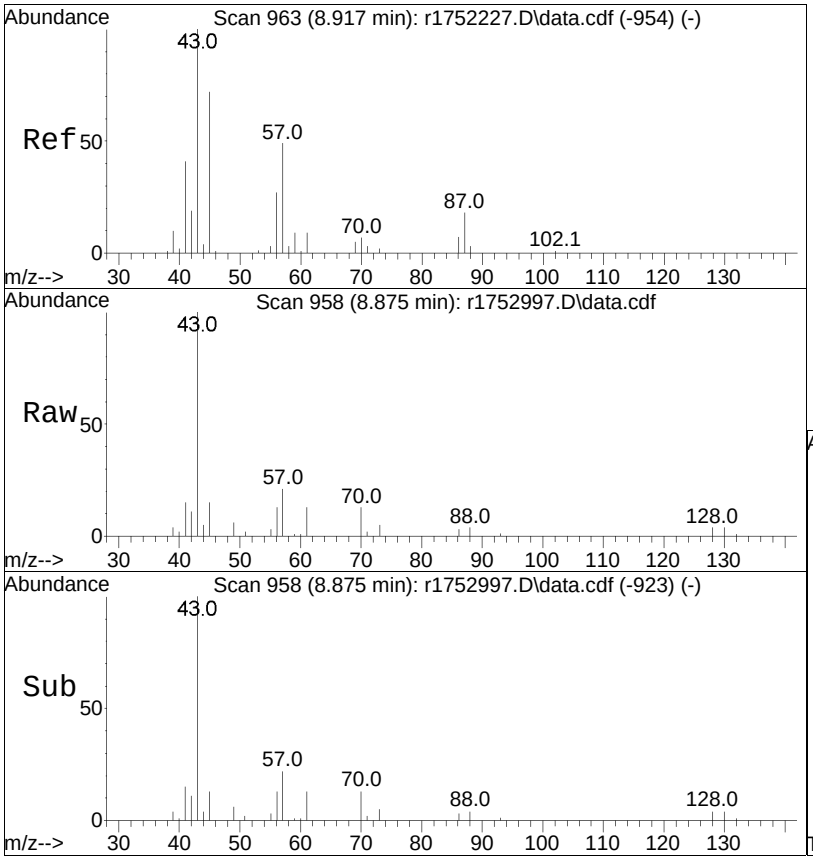


#39
chloroform
Concen: 0.10 ppbV
RT: 8.950 min Scan# 967
Delta R.T. -0.050 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 83 Resp: 4255

Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.1	79.7
47	19.7	16.3	24.5

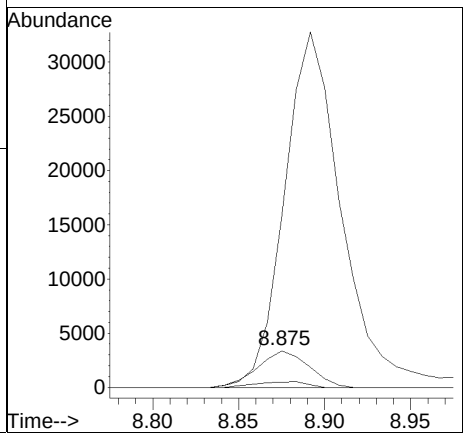


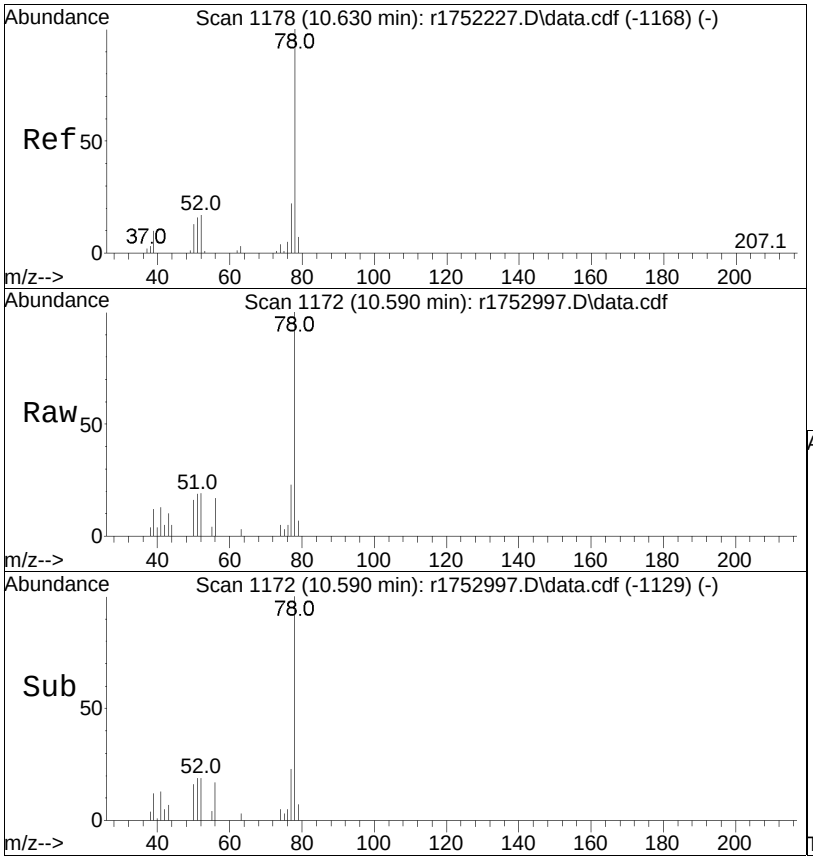


#44
hexane
Concen: 0.17 ppbV
RT: 8.875 min Scan# 958
Delta R.T. -0.042 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 57 Resp: 7023

Ion	Ratio	Lower	Upper
57	100		
43	467.3	163.5	245.3#
86	14.3	11.7	17.5

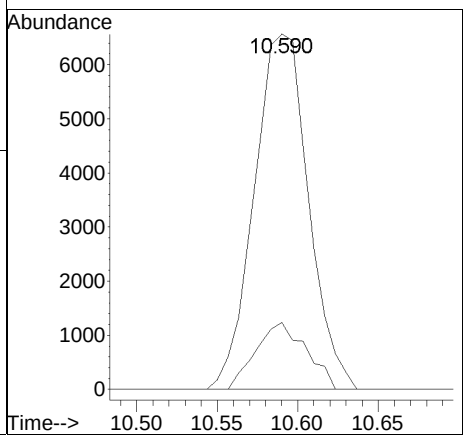


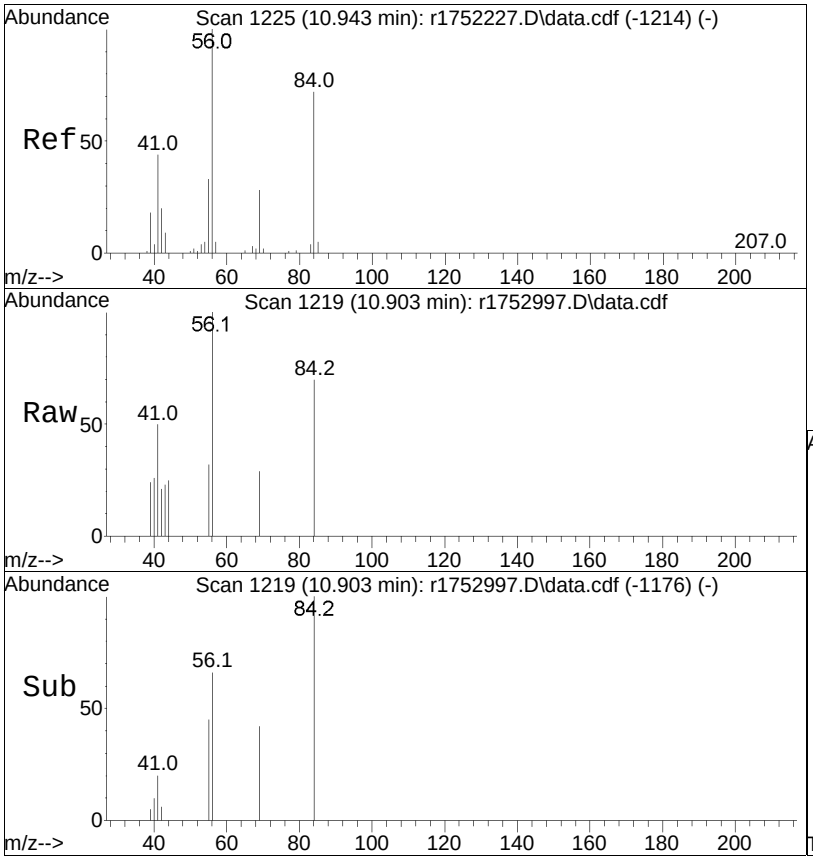


#50
benzene
Concen: 0.21 ppbV
RT: 10.590 min Scan# 1172
Delta R.T. -0.040 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 78 Resp: 15376

Ion	Ratio	Lower	Upper
78	100		
52	18.9	13.8	20.8

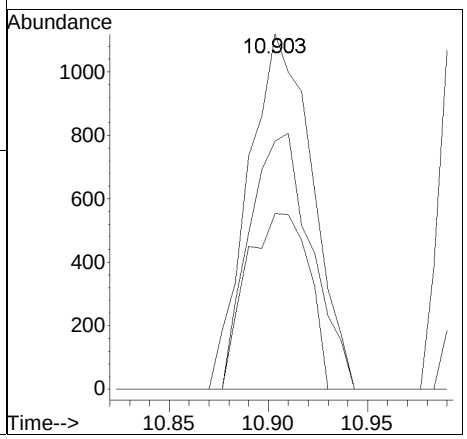


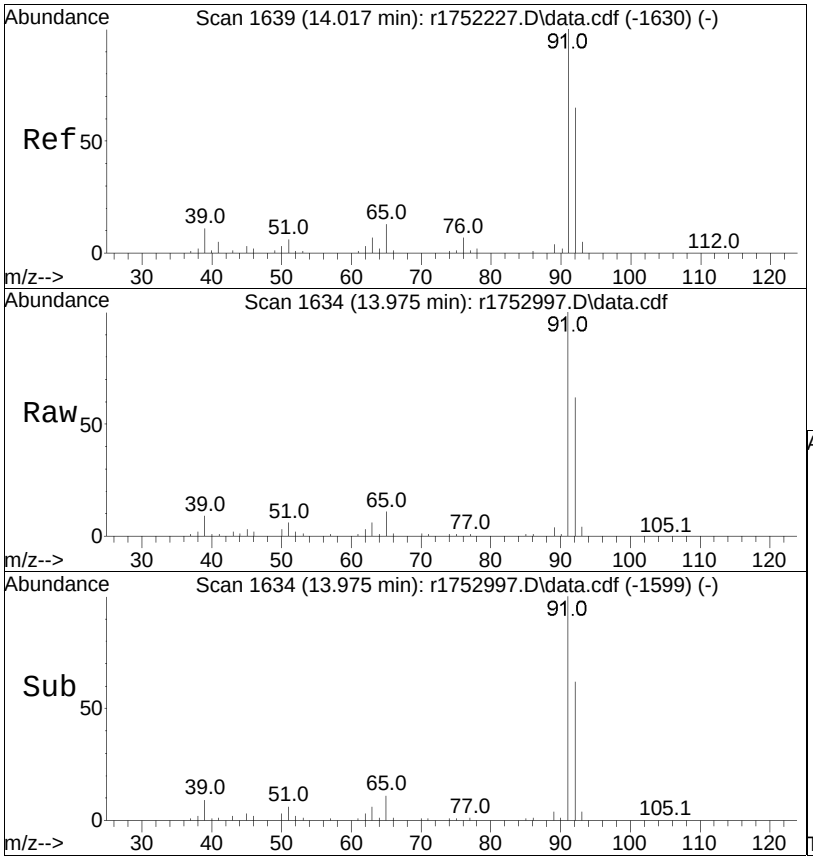


#53
cyclohexane
Concen: 0.06 ppbV
RT: 10.903 min Scan# 1219
Delta R.T. -0.040 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 56 Resp: 2512

Ion	Ratio	Lower	Upper
56	100		
84	69.9	57.8	86.8
41	49.5	35.5	53.3

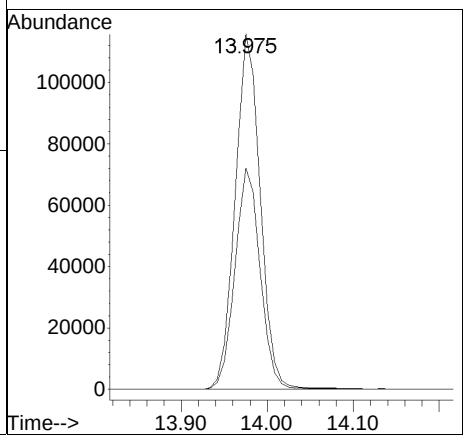


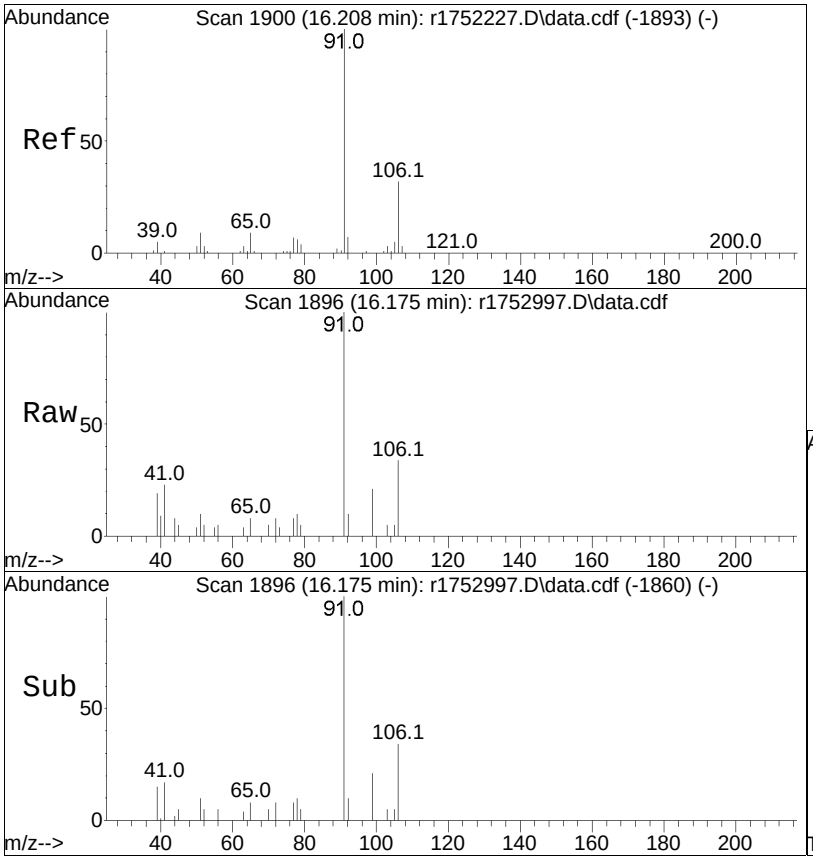


#68
toluene
Concen: 2.31 ppbV
RT: 13.975 min Scan# 1634
Delta R.T. -0.042 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 91 Resp: 236114

Ion	Ratio	Lower	Upper
91	100		
92	62.3	51.9	77.9

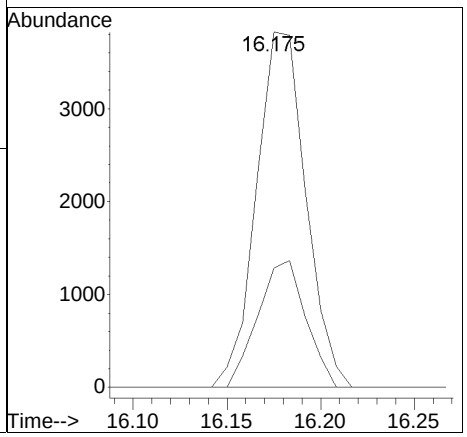


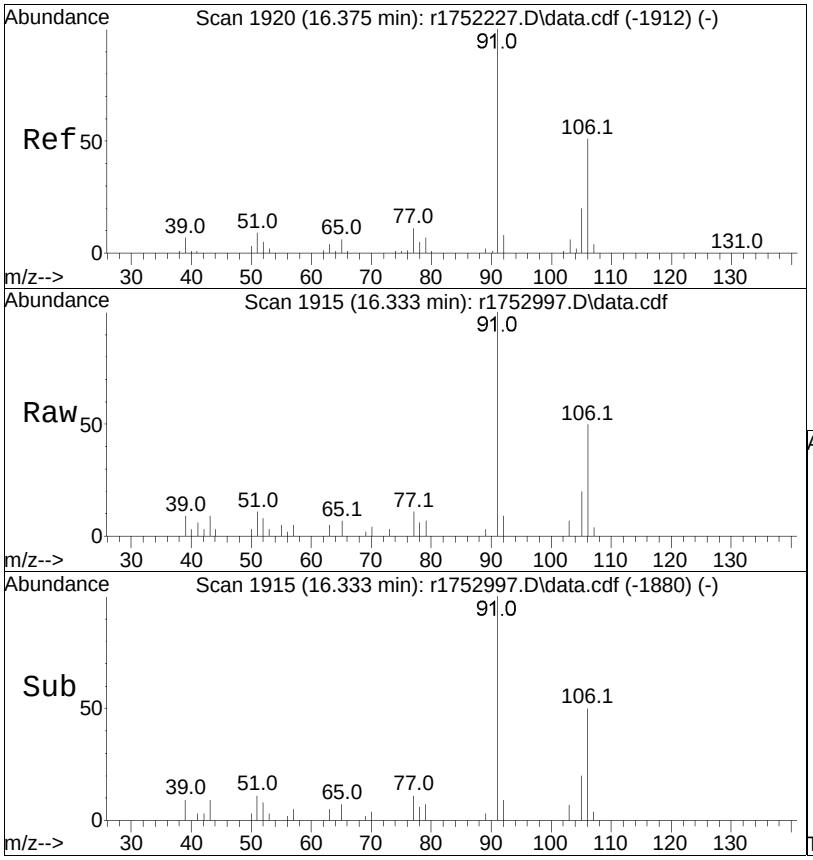


#81
ethylbenzene
Concen: 0.05 ppbV
RT: 16.175 min Scan# 1896
Delta R.T. -0.033 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 91 Resp: 7032

Ion	Ratio	Lower	Upper
91	100		
106	33.6	25.7	38.5

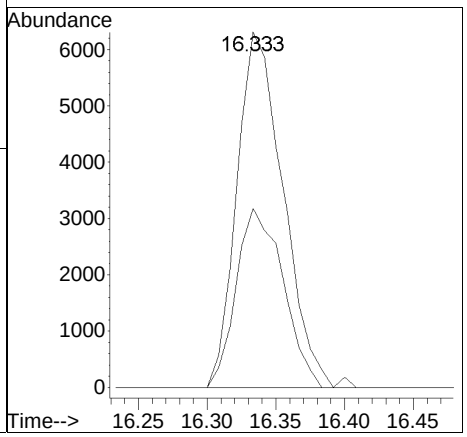


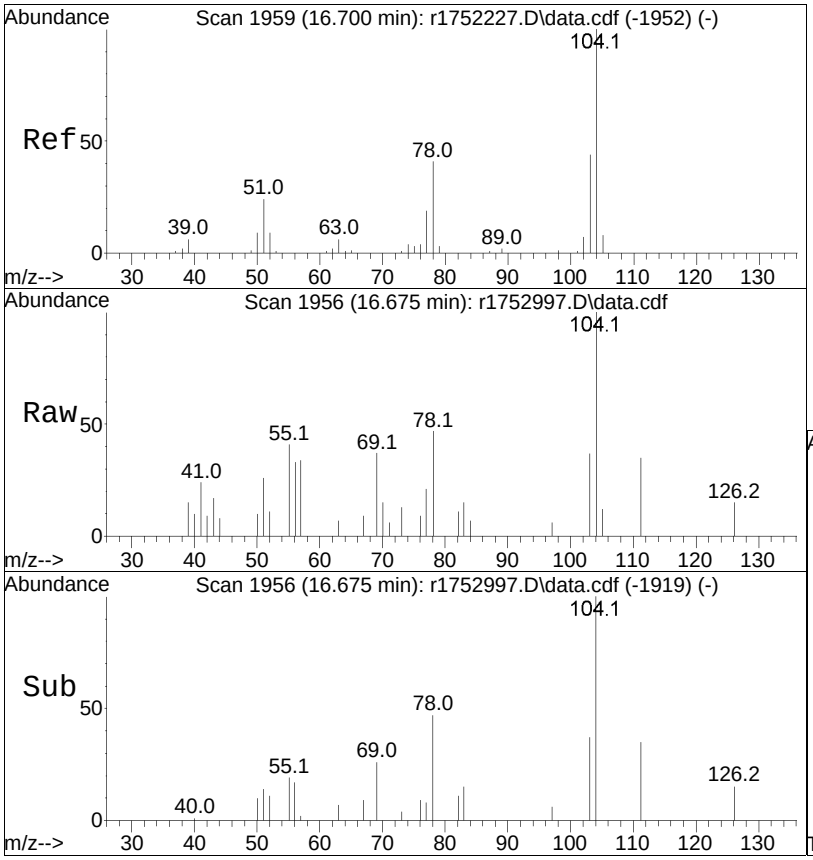


#83
m+p-xylene
Concen: 0.14 ppbV
RT: 16.333 min Scan# 1915
Delta R.T. -0.042 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 91 Resp: 14785

Ion	Ratio	Lower	Upper
91	100		
106	50.4	41.1	61.7

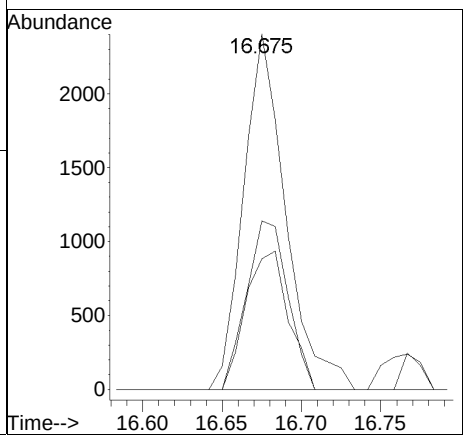


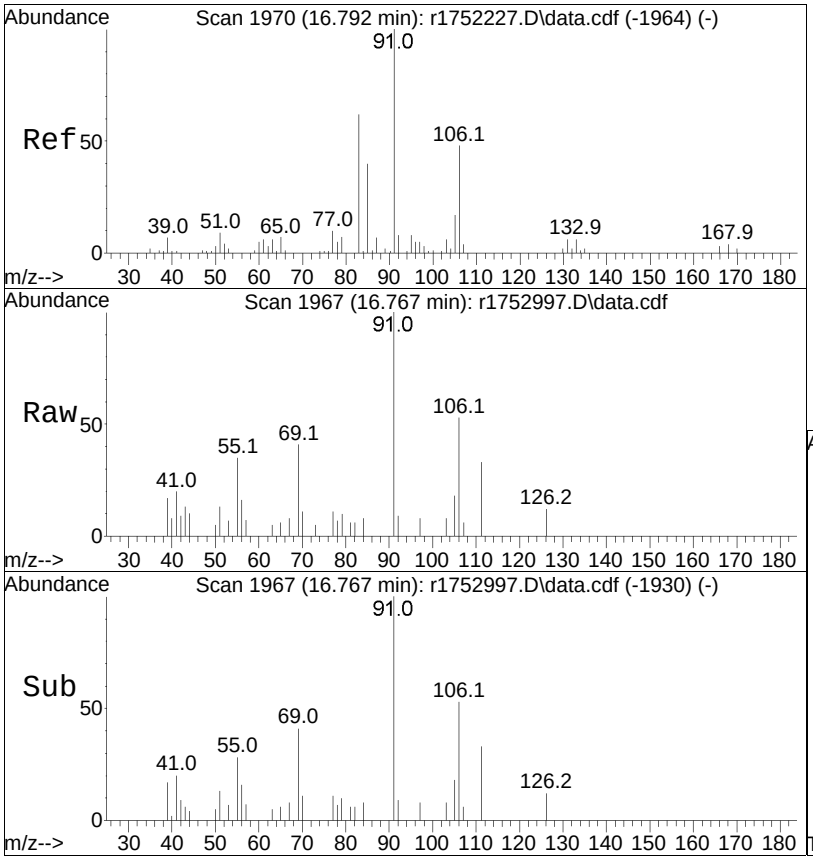


#85
styrene
Concen: 0.06 ppbV
RT: 16.675 min Scan# 1956
Delta R.T. -0.025 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:104 Resp: 4465

Ion	Ratio	Lower	Upper
104	100		
103	36.8	34.9	52.3
78	47.4	33.0	49.4

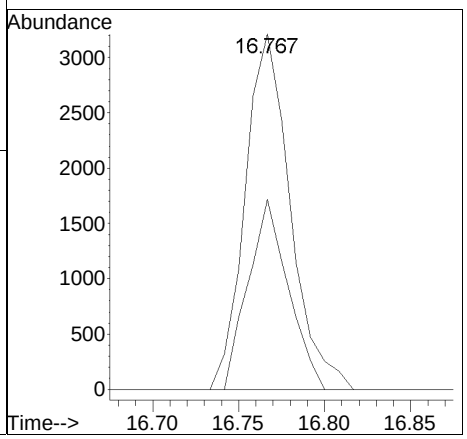


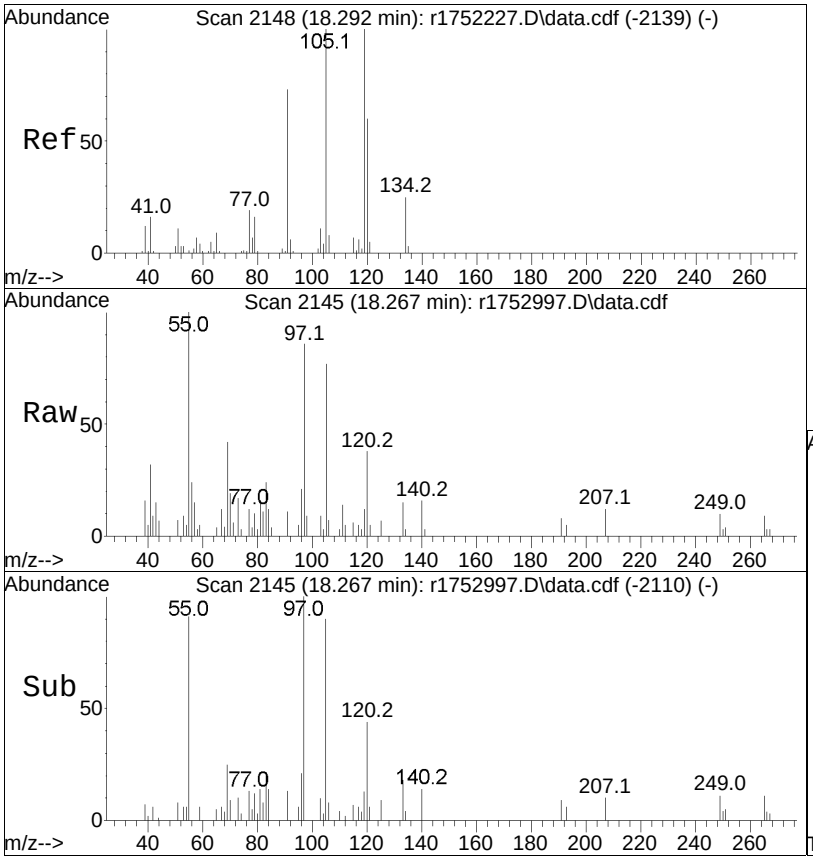


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.767 min Scan# 1967
Delta R.T. -0.025 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion: 91 Resp: 5873

Ion	Ratio	Lower	Upper
91	100		
106	53.5	38.4	57.6

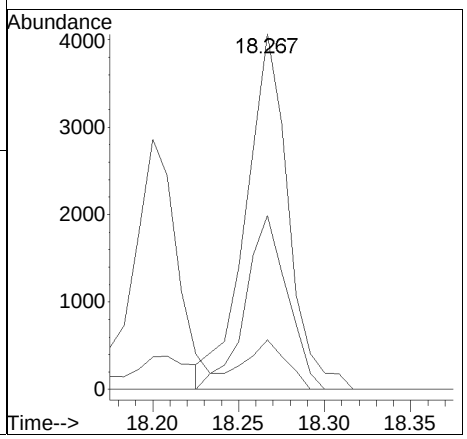




#99
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752997.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:105 Resp: 7031

Ion	Ratio	Lower	Upper
105	100		
120	48.9	48.0	72.0
91	13.9	58.3	87.5#

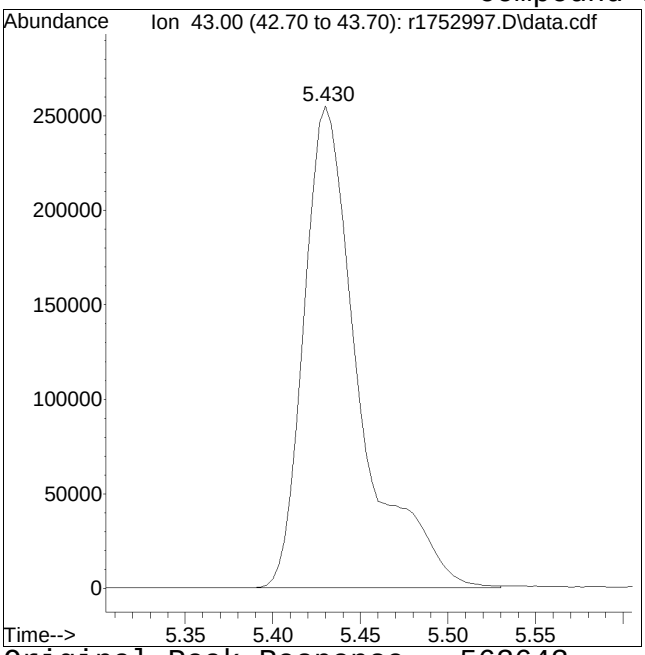


Manual Integration Report

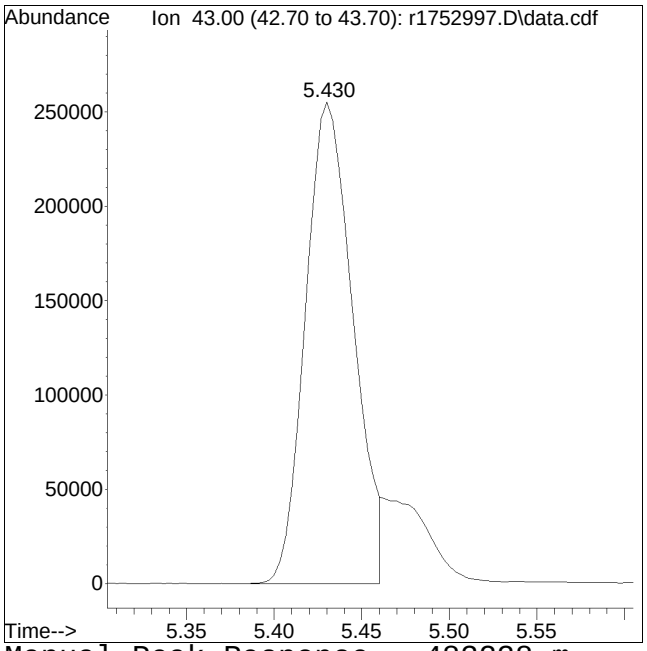
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752997.D
Date Inj'd : 12/19/2025 12:35 AM
Sample : L2577500-11,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:20 am

Compound #19: acetone



Original Peak Response = 563643



Manual Peak Response = 483238 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237348.D
Acq On : 19 Dec 2025 01:08 am
Operator : AIRLAB23:TPH
Sample : L2577500-18D,3,45,250
Misc : WG2155905,ICAL22840
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 07:17:05 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.868	49	178617	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		86.70%	
43) 1,4-difluorobenzene	11.052	114	695253	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		84.33%	
67) chlorobenzene-D5	15.731	54	90137	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		87.70%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.869	85	44844	0.929	ppbV	98
6) chloromethane	0.000		0	N.D.	d	
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.395	54	804	0.070	ppbV #	50
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.852	64	541	0.052	ppbV #	42
15) ethanol	4.992	31	52891	7.680	ppbV #	80
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.491	43	60740M6	3.482	ppbV	
21) trichlorofluoromethane	5.672	101	6404	0.124	ppbV	96
22) isopropyl alcohol	5.777	45	19738	1.075	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.438	59	11463	0.498	ppbV #	91
28) methylene chloride	6.504		0	N.D.		
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.807	76	122663	2.974	ppbV	95
31) Freon 113	6.796		0	N.D.		
32) trans-1,2-dichloroethene	7.547		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.218	43	4742	0.213	ppbV	95
37) cis-1,2-dichloroethene	8.680		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.014	83	197853	4.916	ppbV	99
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.837	62	24094	1.007	ppbV	97
44) hexane	8.941	57	1338	0.072	ppbV #	1

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237348.D
Acq On : 19 Dec 2025 01:08 am
Operator : AIRLAB23:TPH
Sample : L2577500-18D,3,45,250
Misc : WG2155905,ICAL22840
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 07:17:05 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.			
50) benzene	10.638	78	13160	0.260	ppbV		95
52) carbon tetrachloride	10.807		0	N.D.			
53) cyclohexane	10.949	56	1460	0.079	ppbV	#	75
56) 1,2-dichloropropane	0.000		0	N.D.			
57) bromodichloromethane	11.788	83	9092	0.238	ppbV		95
58) 1,4-dioxane	0.000		0	N.D.			
59) trichloroethene	11.844	130	11225	0.371	ppbV		98
60) 2,2,4-trimethylpentane	11.901		0	N.D.			
62) heptane	12.212		0	N.D.			
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	13.977	91	13456	0.216	ppbV		97
72) 2-hexanone	14.227		0	N.D.			
74) dibromochloromethane	14.427		0	N.D.			
75) 1,2-dibromoethane	0.000		0	N.D.			
78) tetrachloroethene	15.145	166	2094019	53.495	ppbV		98
80) chlorobenzene	0.000		0	N.D.			
81) ethylbenzene	16.114	91	3569	0.045	ppbV		100
83) m+p-xylene	16.262	91	7910	0.131	ppbV		98
84) bromoform	0.000		0	N.D.			
85) styrene	16.576	104	19005	0.399	ppbV		97
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.			
87) o-xylene	16.663	91	3481	0.057	ppbV		98
96) 4-ethyl toluene	17.673		0	N.D.			
97) 1,3,5-trimethylbenzene	17.751		0	N.D.			
99) 1,2,4-trimethylbenzene	18.076	105	5622	0.078	ppbV	#	64
101) Benzyl Chloride	0.000		0	N.D.	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	19.972		0	N.D.			
116) naphthalene	20.089		0	N.D.			
119) hexachlorobutadiene	0.000		0	N.D.			

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237348.D
Acq On : 19 Dec 2025 01:08 am
Operator : AIRLAB23:TPH
Sample : L2577500-18D,3,45,250
Misc : WG2155905,ICAL22840
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 07:17:05 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

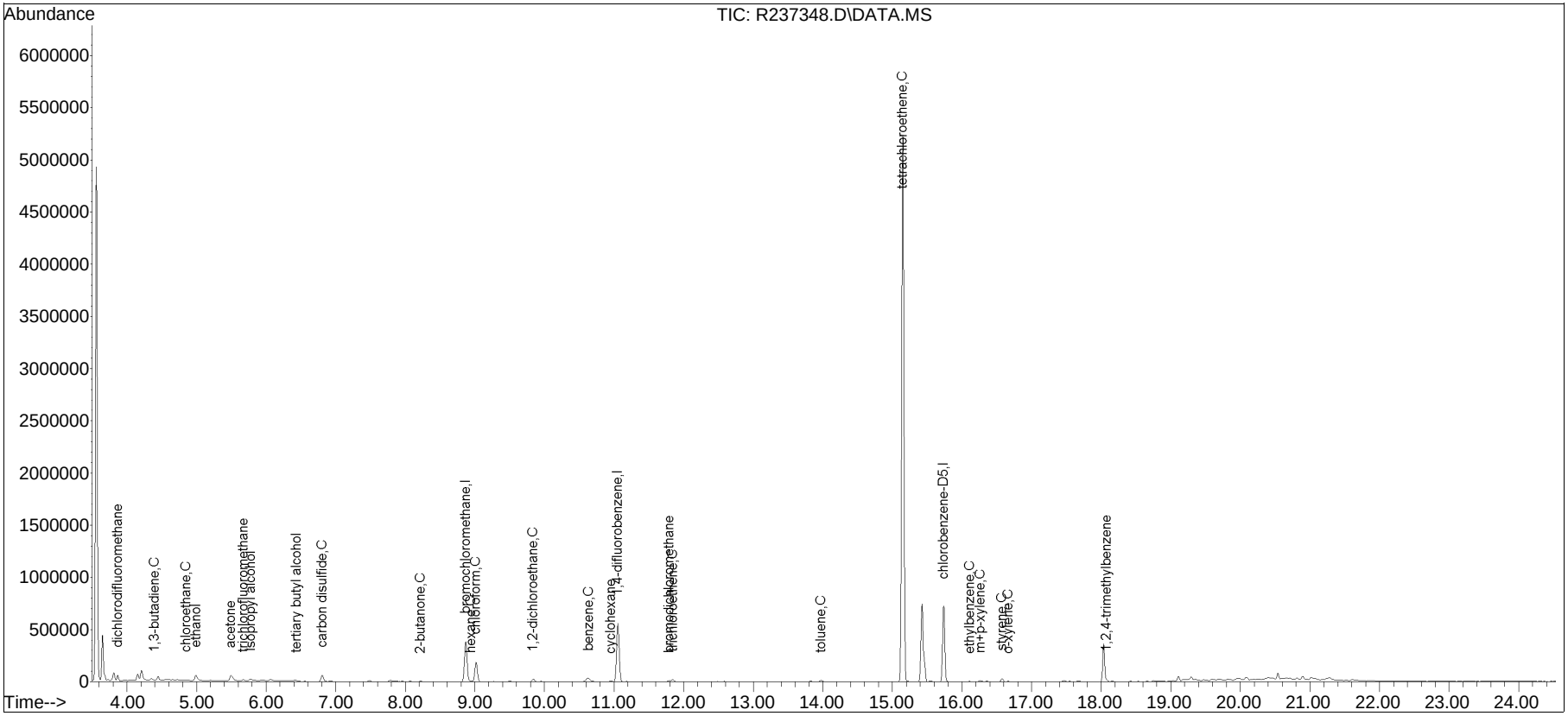
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

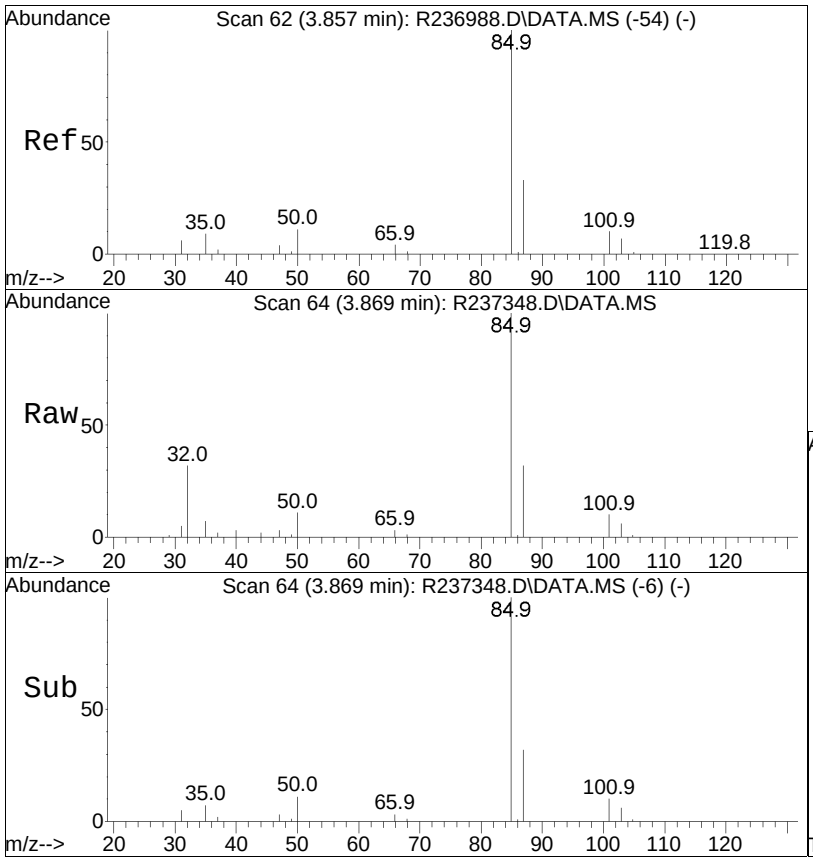
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237348.D
Acq On : 19 Dec 2025 01:08 am
Operator : AIRLAB23:TPH
Sample : L2577500-18D,3,45,250
Misc : WG2155905,ICAL22840
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 19 07:17:05 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

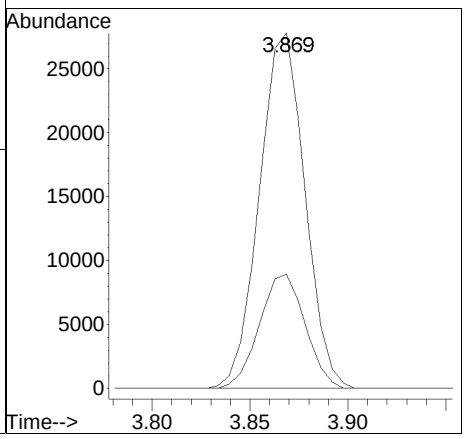


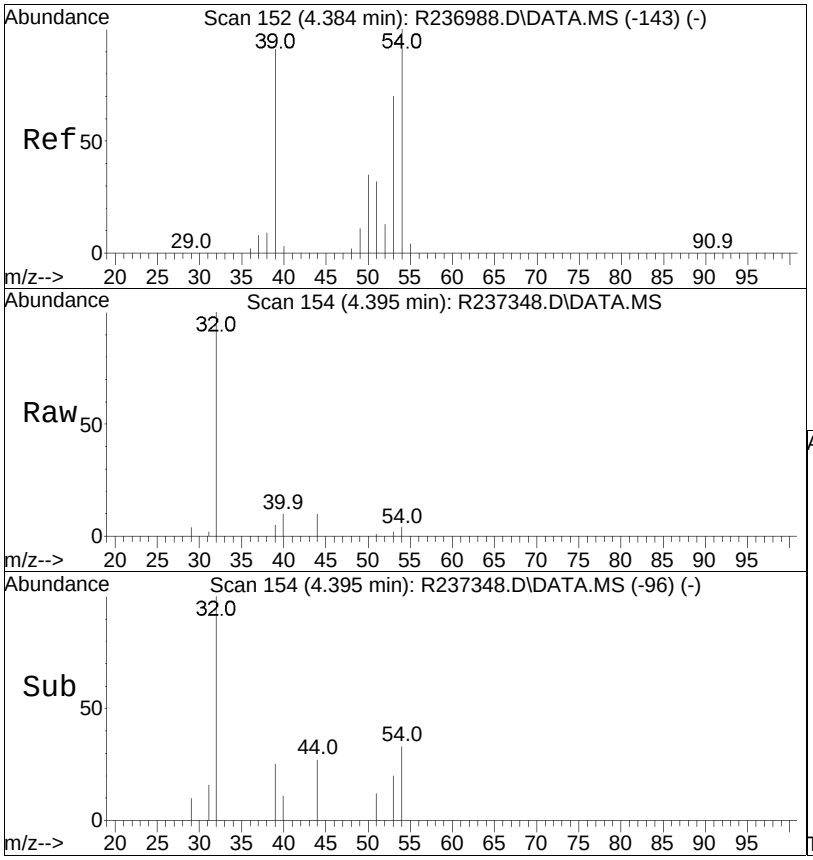


#5
dichlorodifluoromethane
Concen: 0.93 ppbV
RT: 3.869 min Scan# 64
Delta R.T. 0.012 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 85 Resp: 44844

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.8	40.2

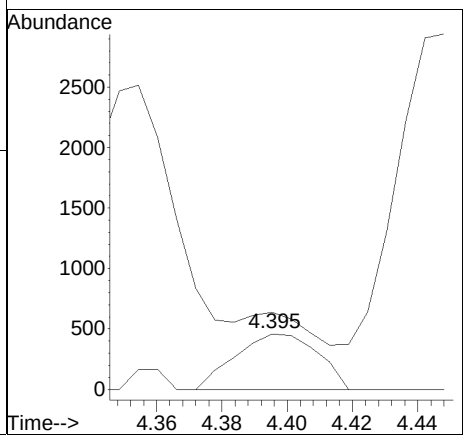


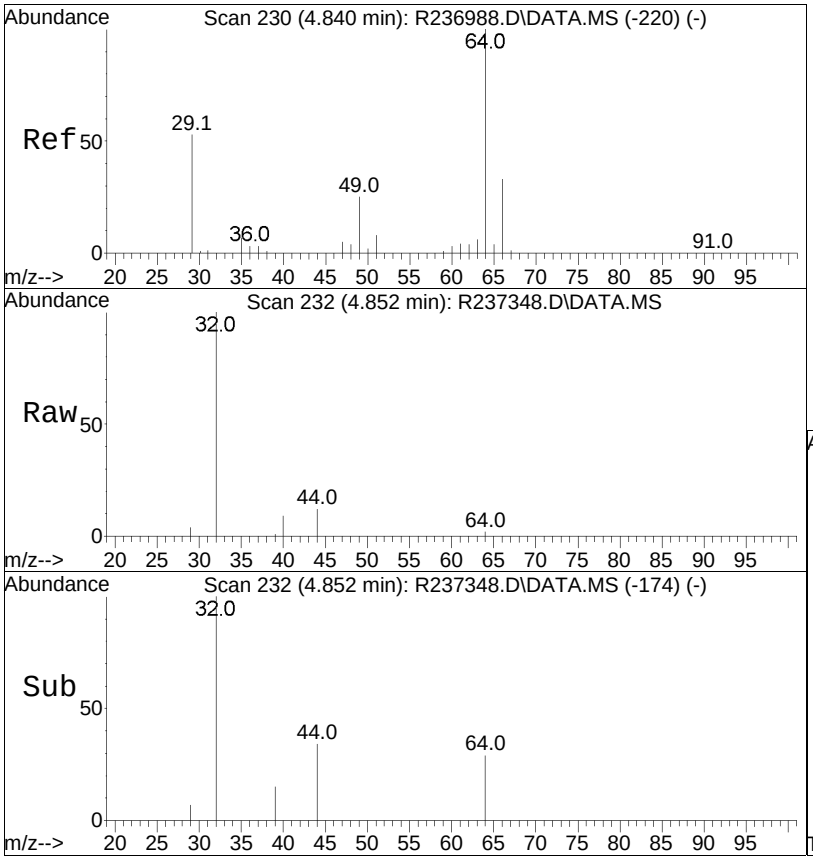


#10
1,3-butadiene
Concen: 0.07 ppbV
RT: 4.395 min Scan# 154
Delta R.T. 0.012 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 54 Resp: 804

Ion	Ratio	Lower	Upper
54	100		
39	139.0	73.1	109.7#

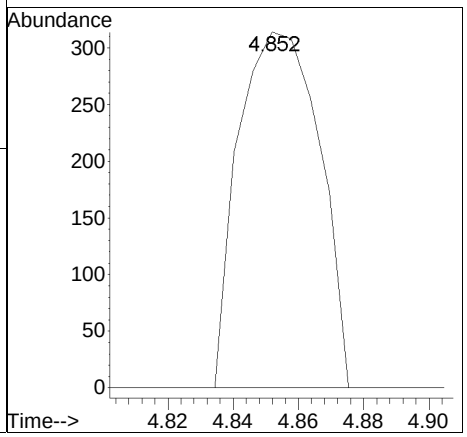


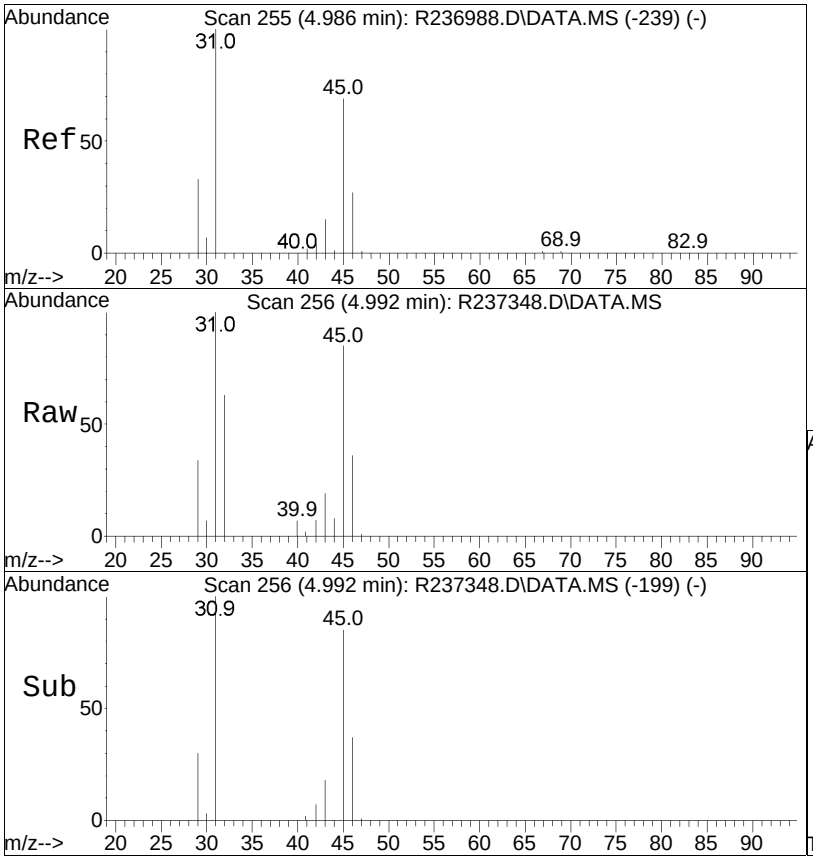


#14
chloroethane
Concen: 0.05 ppbV
RT: 4.852 min Scan# 232
Delta R.T. 0.012 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 64 Resp: 541

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

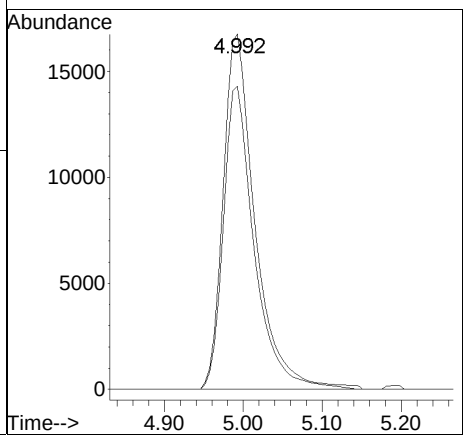


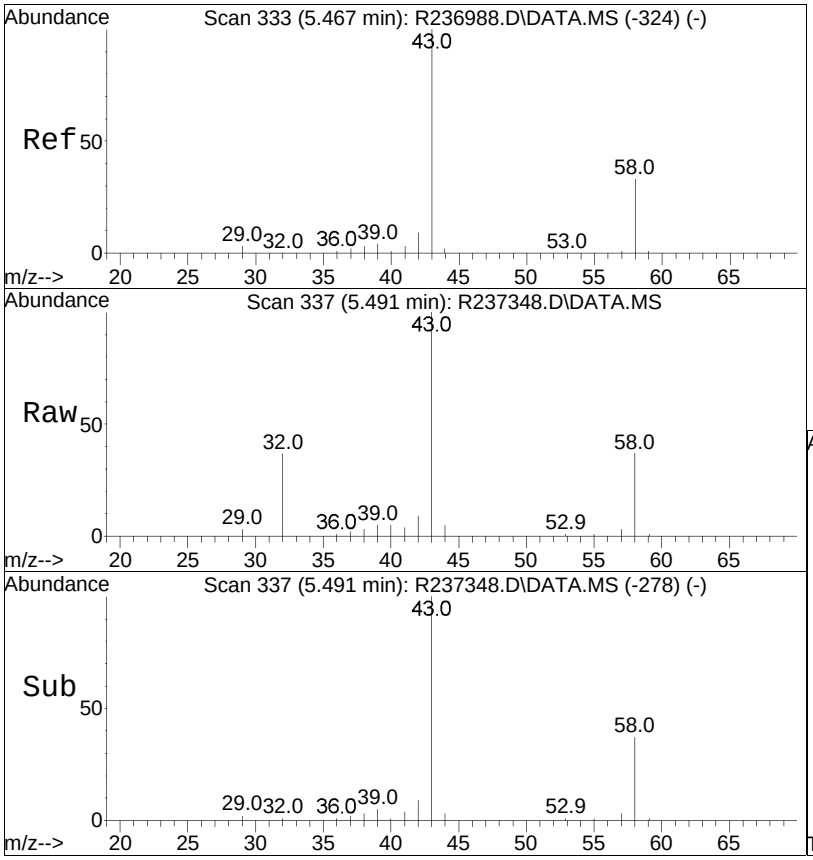


#15
ethanol
Concen: 7.68 ppbV
RT: 4.992 min Scan# 256
Delta R.T. 0.006 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 31 Resp: 52891

Ion	Ratio	Lower	Upper
31	100		
45	85.3	55.0	82.6#

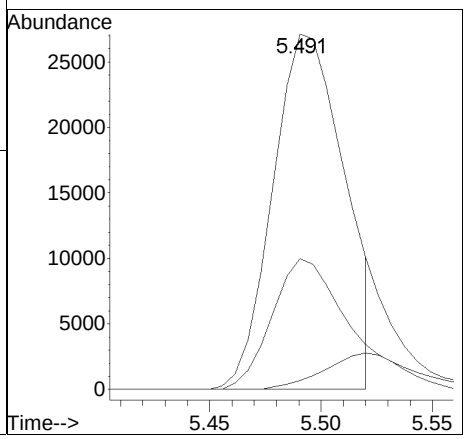


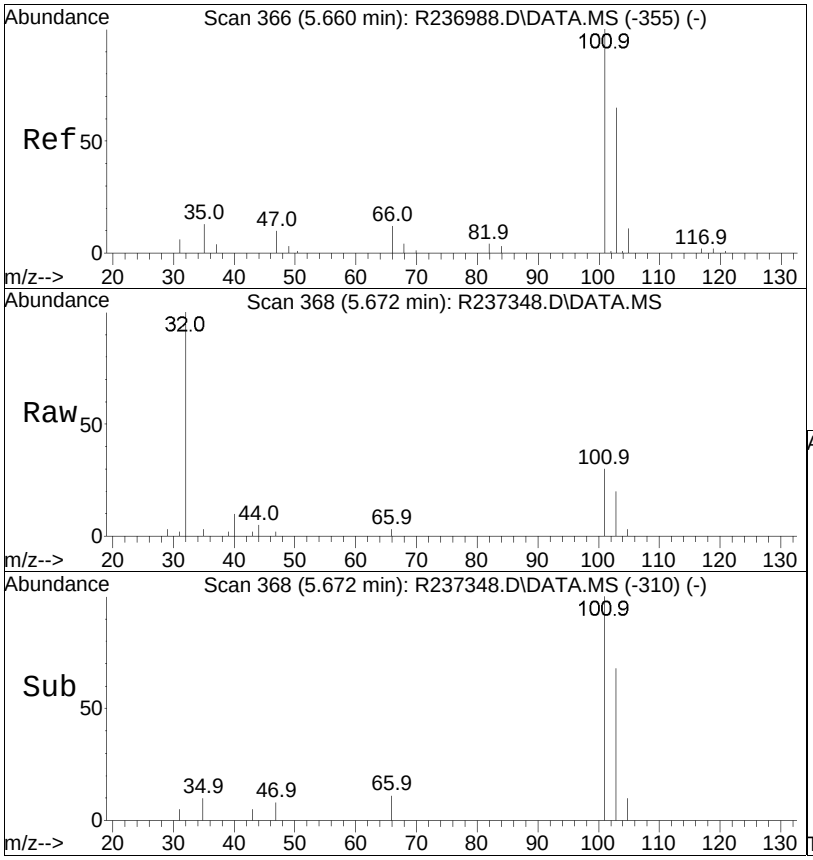


#19
acetone
Concen: 3.48 ppbV m
RT: 5.491 min Scan# 337
Delta R.T. 0.023 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 43 Resp: 60740

Ion	Ratio	Lower	Upper
43	100		
58	36.8	26.2	39.4
57	2.5	0.7	1.1#

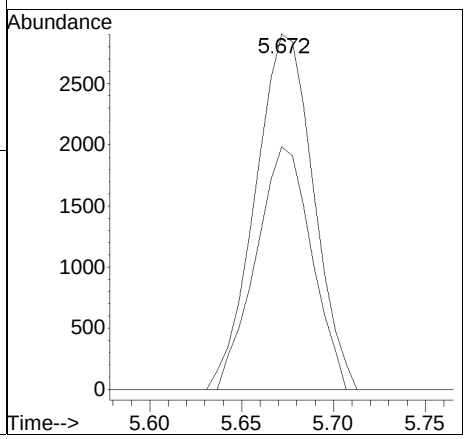


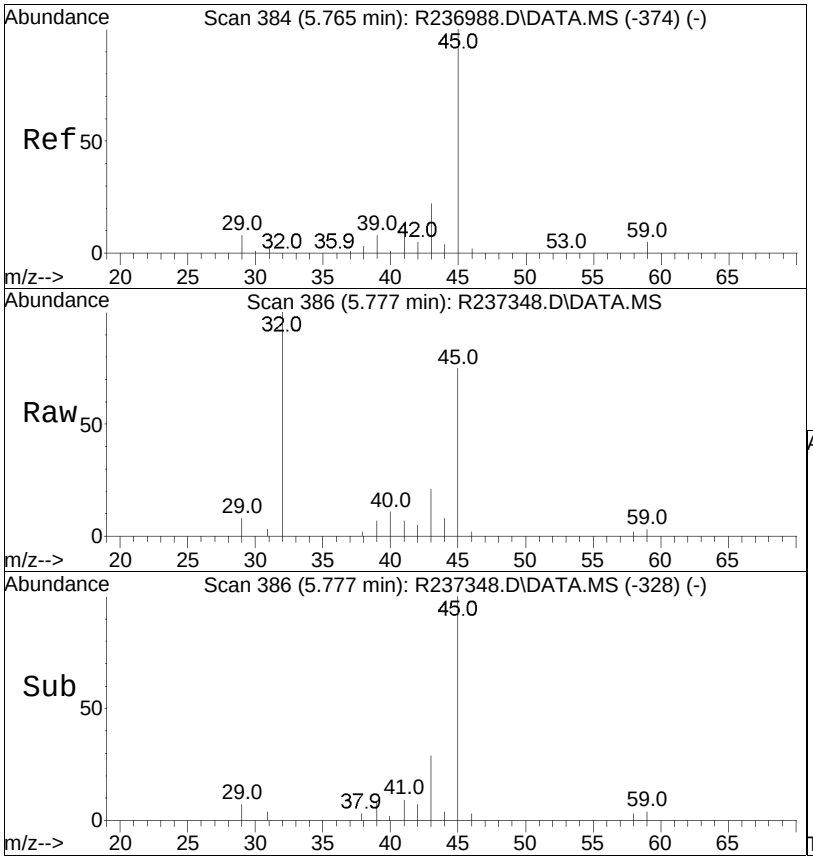


#21
trichlorofluoromethane
Concen: 0.12 ppbV
RT: 5.672 min Scan# 368
Delta R.T. 0.012 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion:101 Resp: 6404

Ion	Ratio	Lower	Upper
101	100		
103	68.3	52.1	78.1

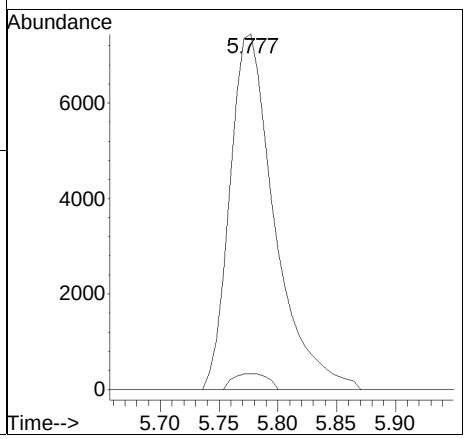


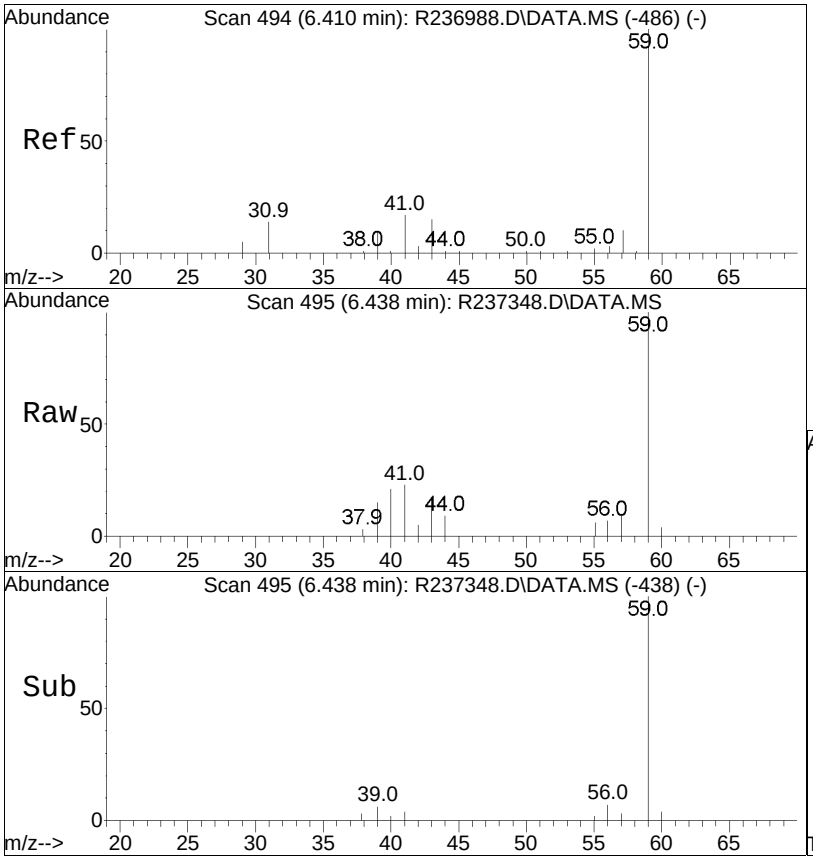


#22
isopropyl alcohol
Concen: 1.08 ppbV
RT: 5.777 min Scan# 386
Delta R.T. 0.012 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 45 Resp: 19738

Ion	Ratio	Lower	Upper
45	100		
59	4.4	3.8	5.6

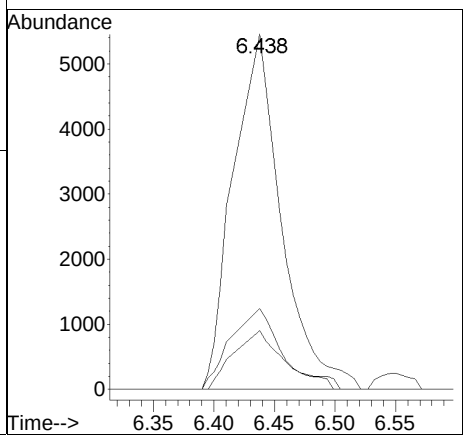


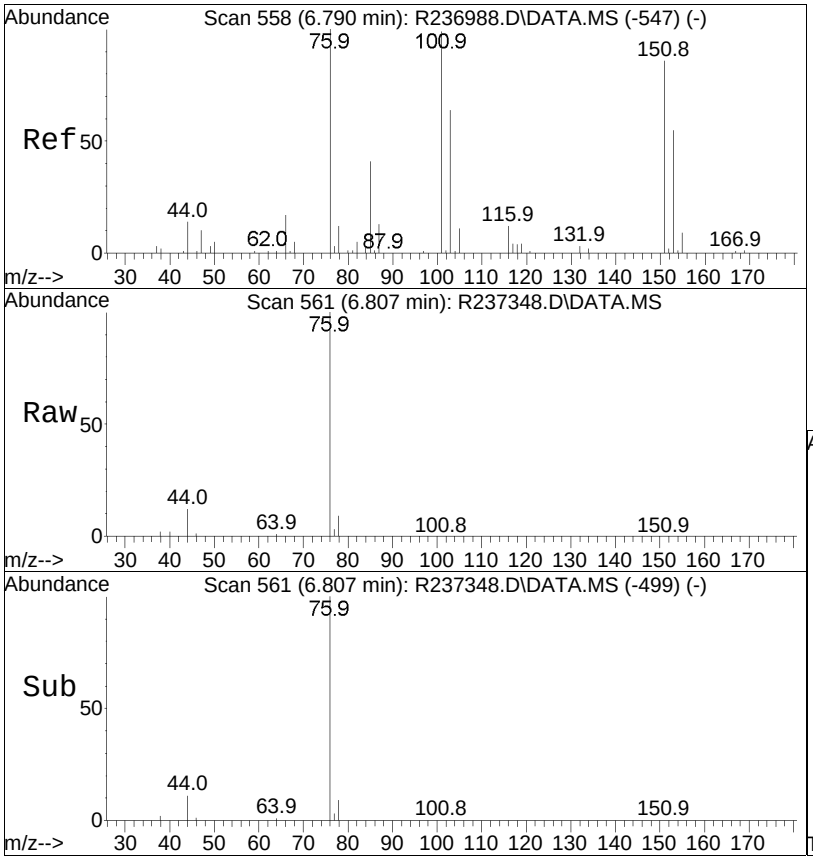


#27
tertiary butyl alcohol
Concen: 0.50 ppbV
RT: 6.438 min Scan# 495
Delta R.T. 0.028 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 59 Resp: 11463

Ion	Ratio	Lower	Upper
59	100		
41	22.8	13.6	20.4#
43	16.5	11.7	17.5

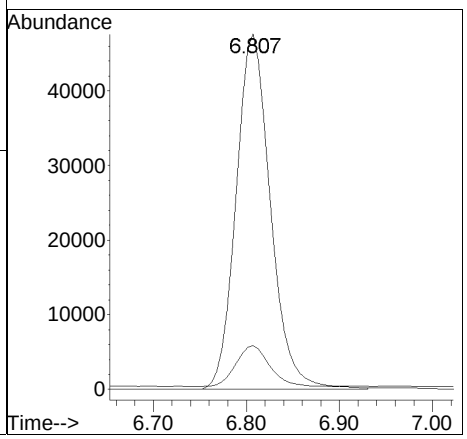


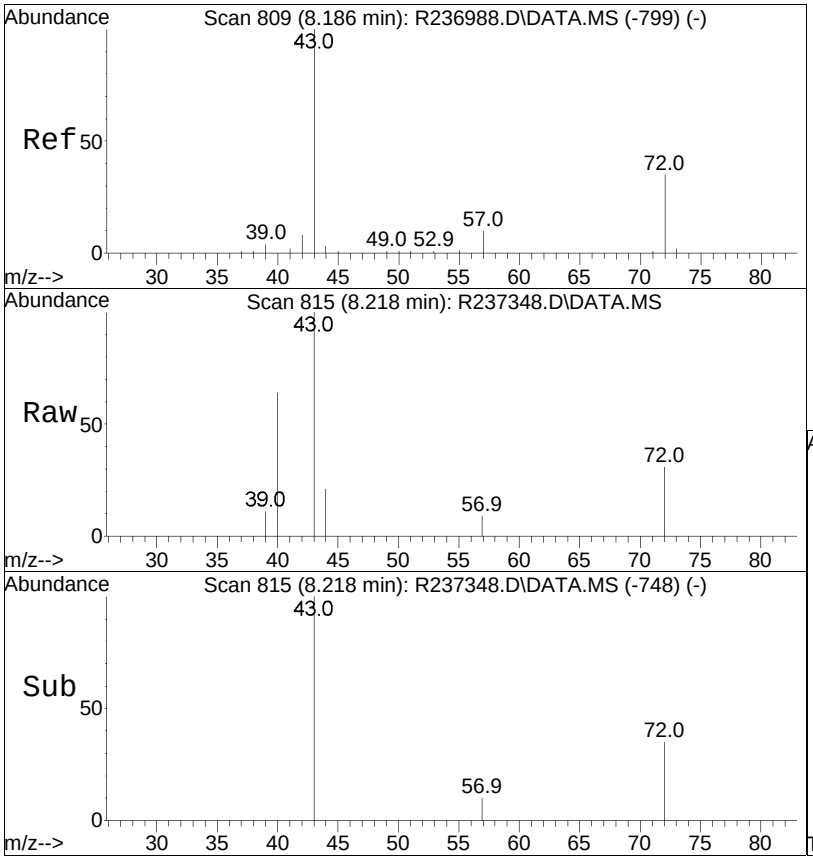


#30
carbon disulfide
Concen: 2.97 ppbV
RT: 6.807 min Scan# 561
Delta R.T. 0.017 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 76 Resp: 122663

Ion	Ratio	Lower	Upper
76	100		
44	12.4	11.5	17.3

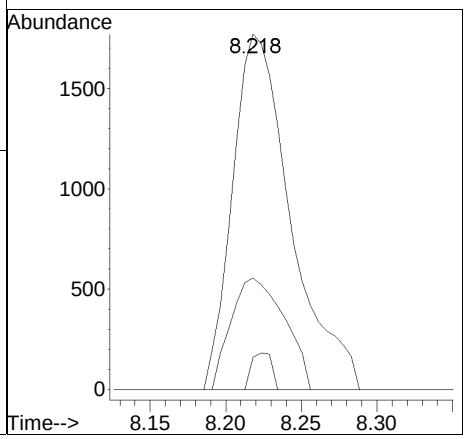


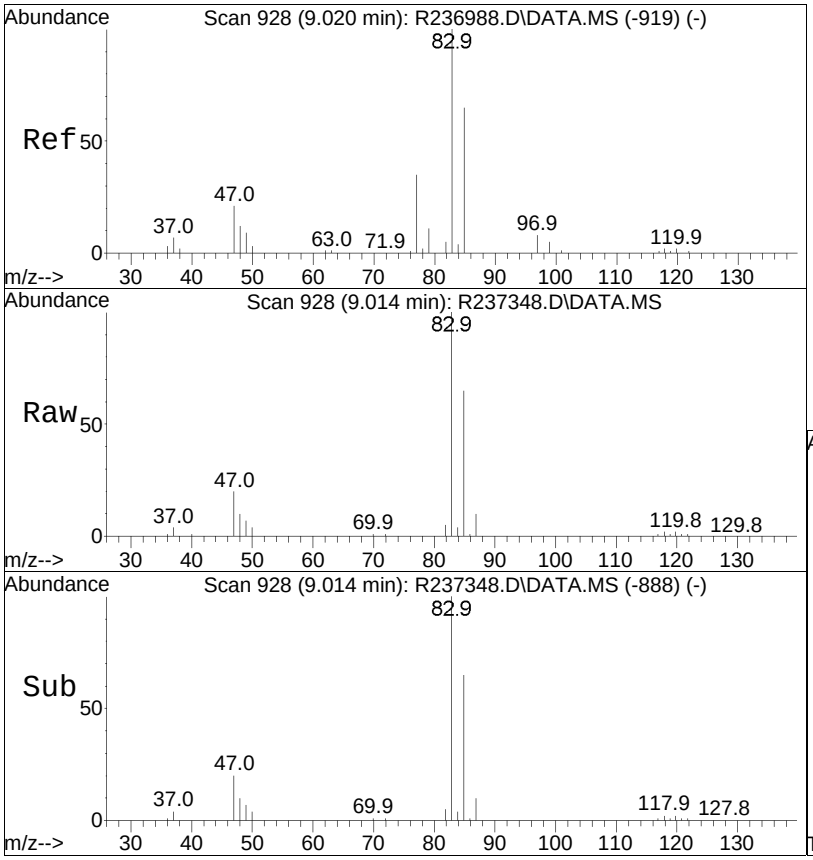


#36
2-butanone
Concen: 0.21 ppbV
RT: 8.218 min Scan# 815
Delta R.T. 0.032 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 43 Resp: 4742

Ion	Ratio	Lower	Upper
43	100		
72	31.3	27.8	41.6
57	9.1	7.7	11.5

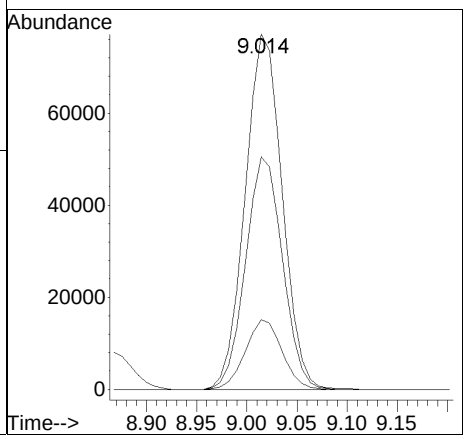


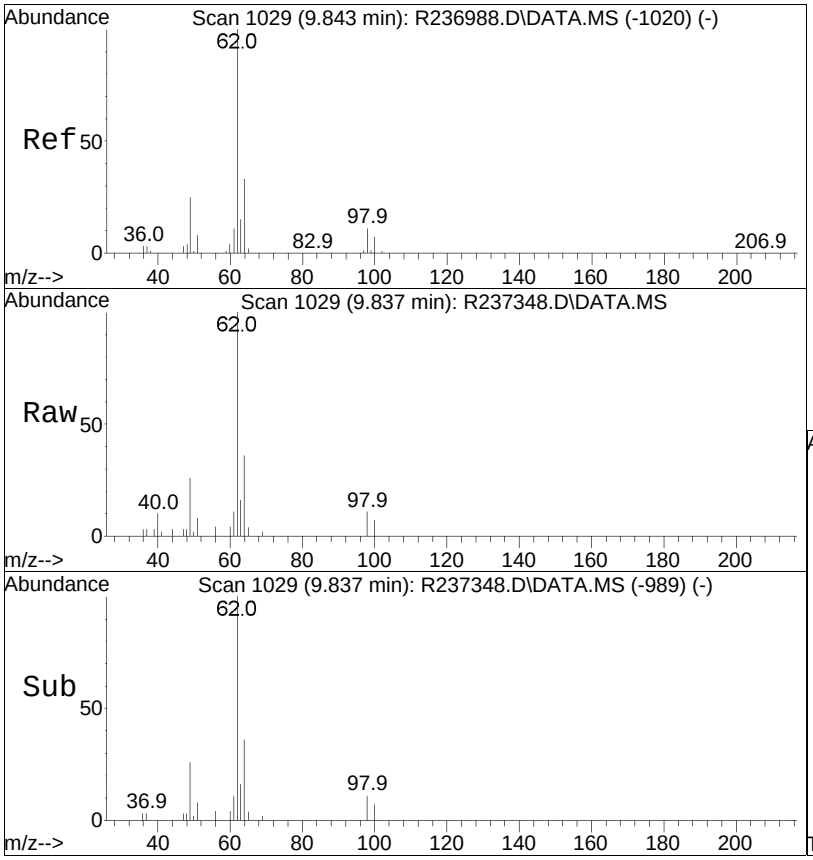


#39
chloroform
Concen: 4.92 ppbV
RT: 9.014 min Scan# 928
Delta R.T. -0.006 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 83 Resp: 197853

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5
47	19.6	17.1	25.7

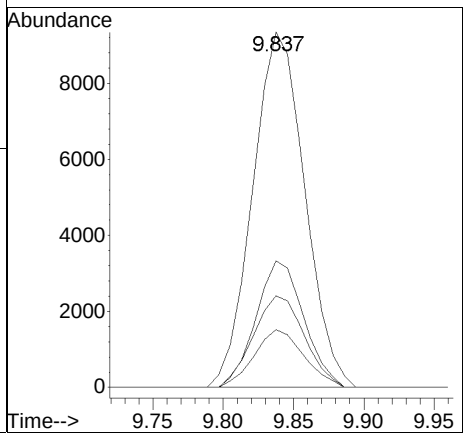


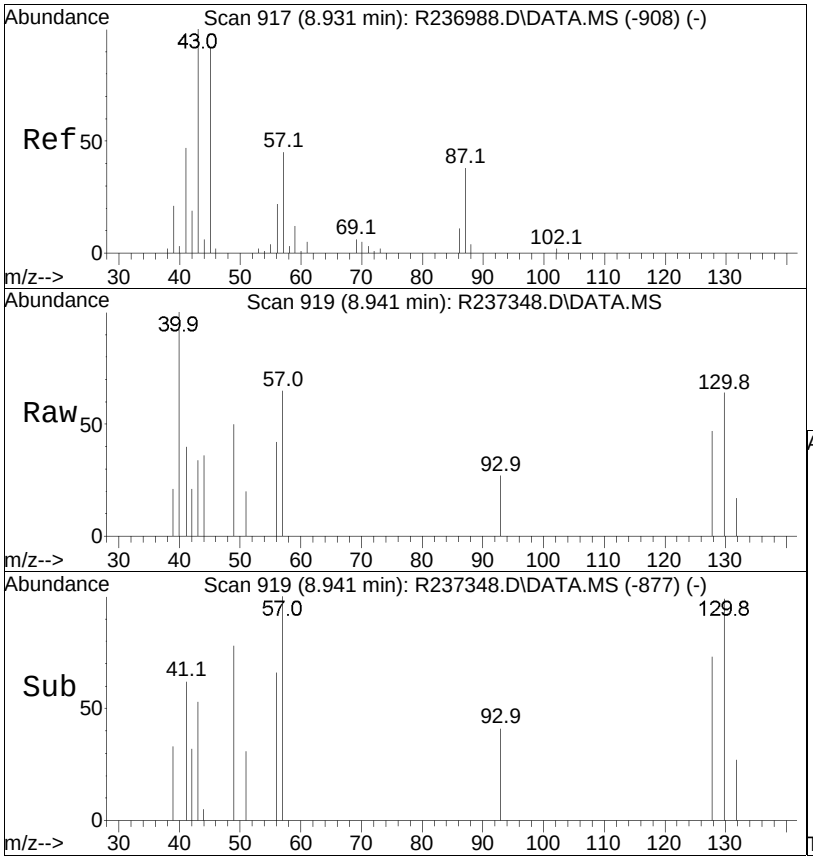


#42
1,2-dichloroethane
Concen: 1.01 ppbV
RT: 9.837 min Scan# 1029
Delta R.T. -0.006 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 62 Resp: 24094

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4
49	25.8	20.2	30.2
63	16.3	12.4	18.6

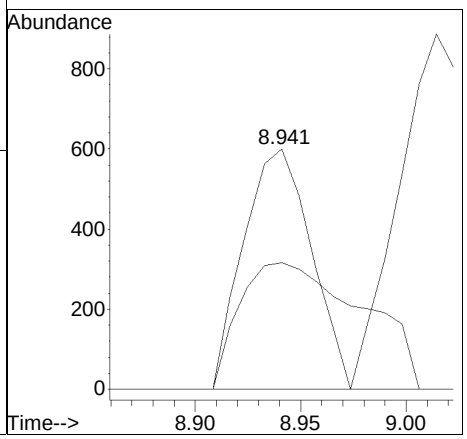


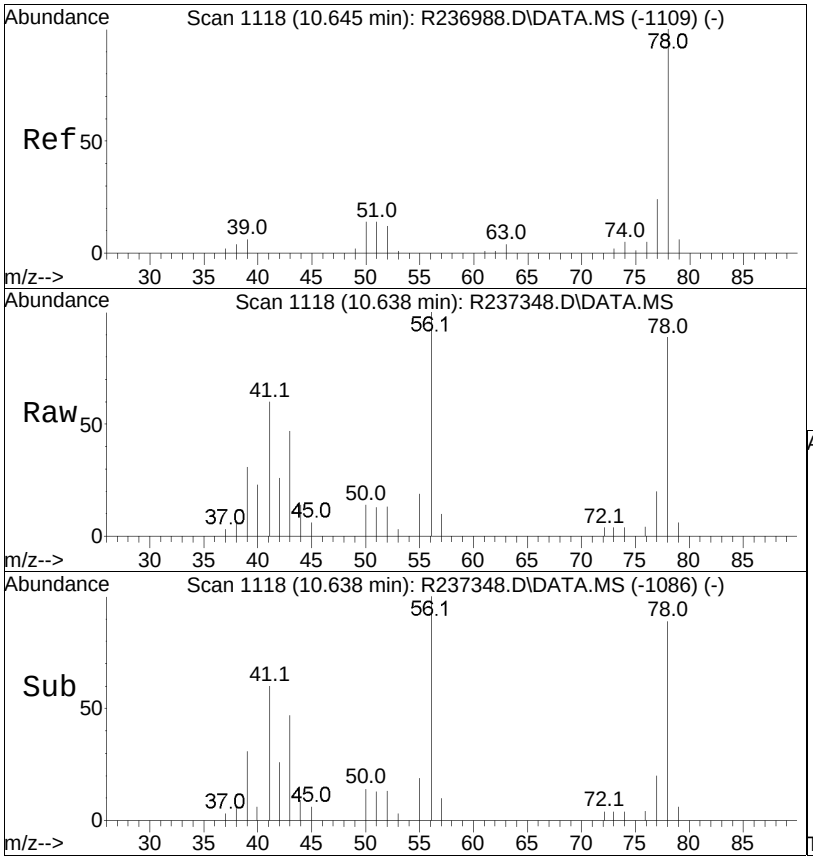


#44
hexane
Concen: 0.07 ppbV
RT: 8.941 min Scan# 919
Delta R.T. 0.010 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 57 Resp: 1338

Ion	Ratio	Lower	Upper
57	100		
43	52.7	177.1	265.7#
86	0.0	18.6	28.0#

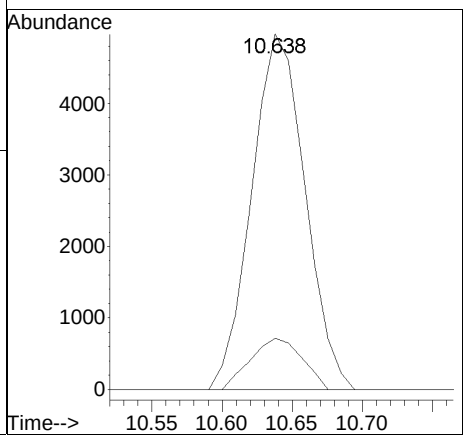


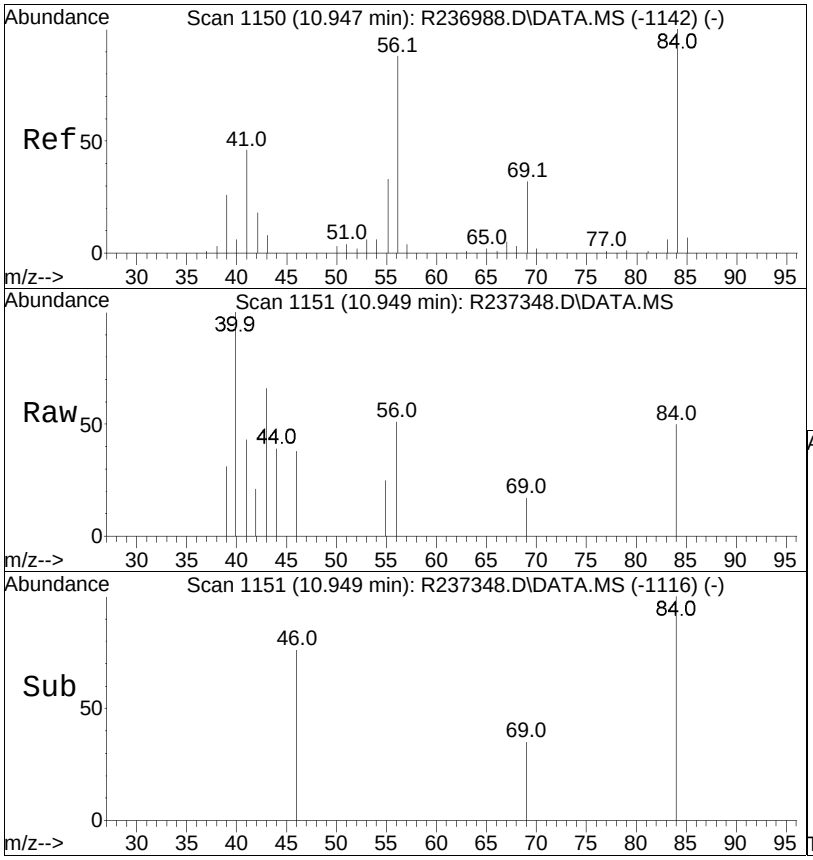


#50
benzene
Concen: 0.26 ppbV
RT: 10.638 min Scan# 1118
Delta R.T. -0.007 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 78 Resp: 13160

Ion	Ratio	Lower	Upper
78	100		
52	14.4	9.9	14.9

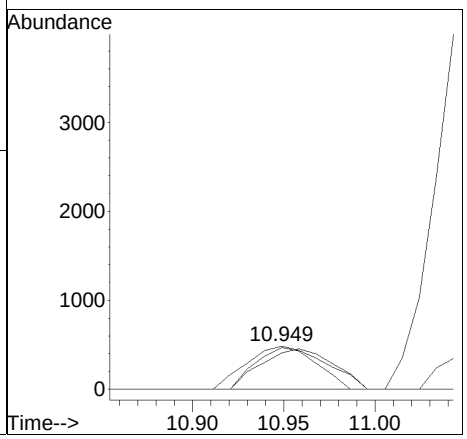


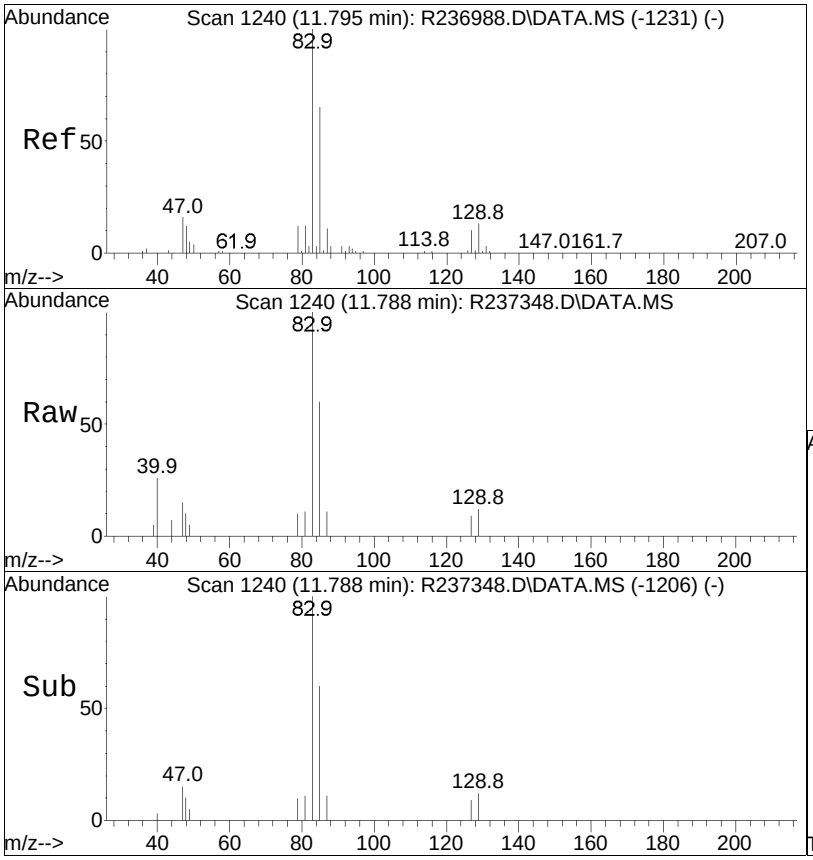


#53
cyclohexane
Concen: 0.08 ppbV
RT: 10.949 min Scan# 1151
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 56 Resp: 1460

Ion	Ratio	Lower	Upper
56	100		
84	96.9	91.1	136.7
41	84.4	42.2	63.2#

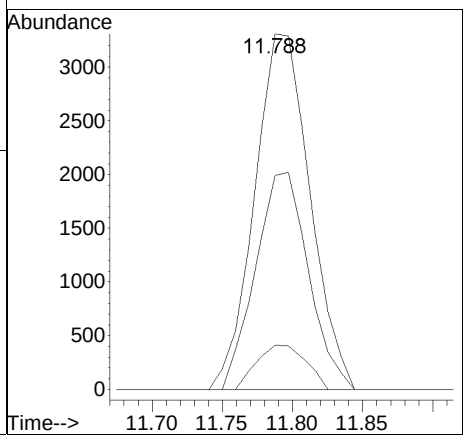


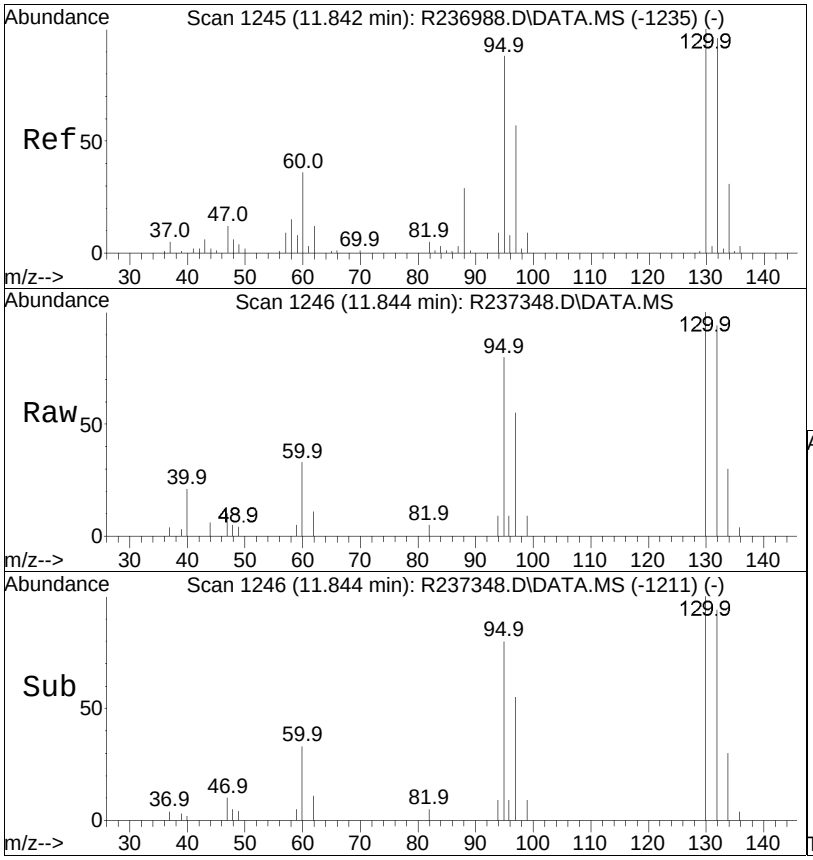


#57
bromodichloromethane
Concen: 0.24 ppbV
RT: 11.788 min Scan# 1240
Delta R.T. -0.007 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 83 Resp: 9092

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.7	77.5
129	12.5	10.7	16.1

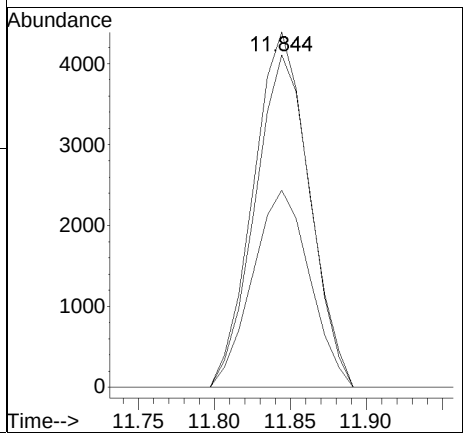


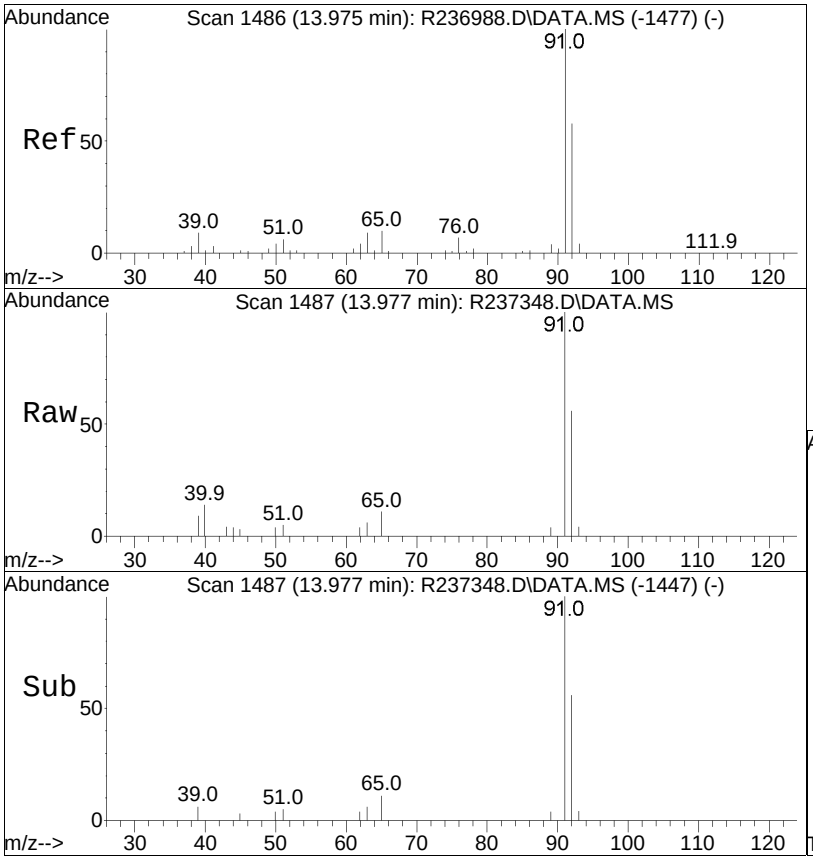


#59
trichloroethene
Concen: 0.37 ppbV
RT: 11.844 min Scan# 1246
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion:130 Resp: 11225

Ion	Ratio	Lower	Upper
130	100		
132	93.5	76.7	115.1
97	55.5	45.7	68.5

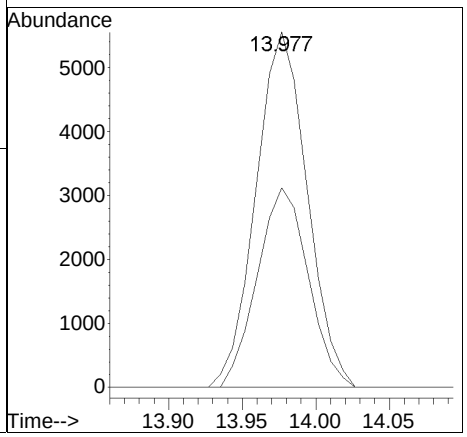


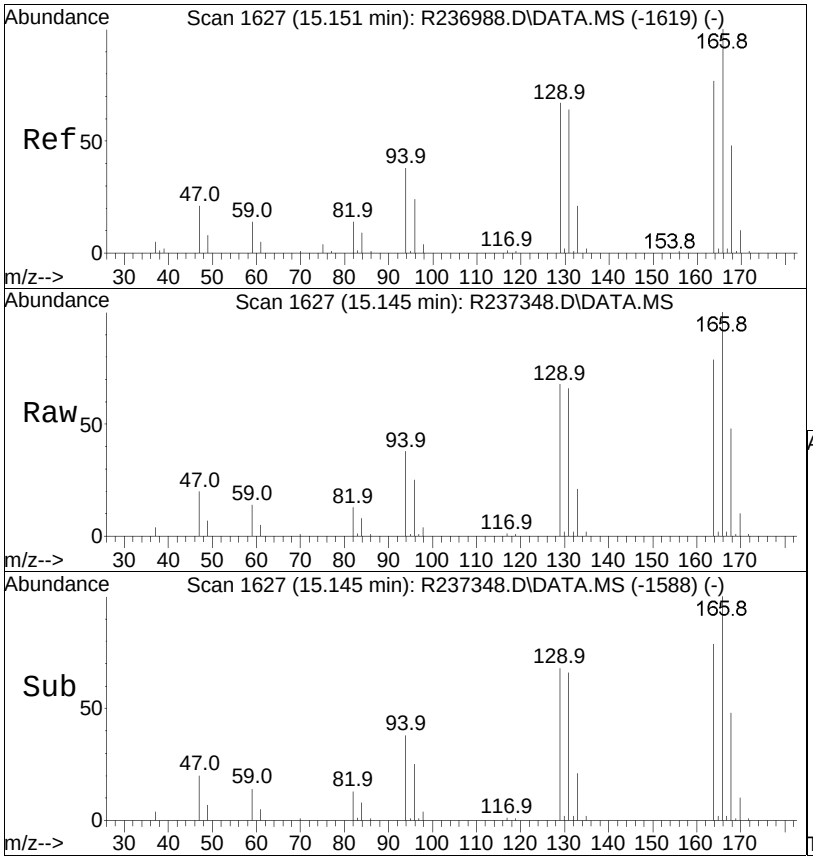


#68
toluene
Concen: 0.22 ppbV
RT: 13.977 min Scan# 1487
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 91 Resp: 13456

Ion	Ratio	Lower	Upper
91	100		
92	56.2	46.6	70.0

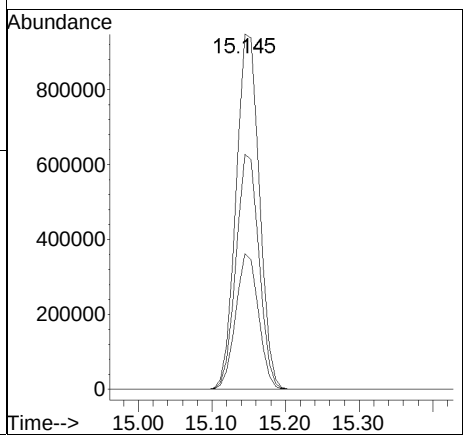


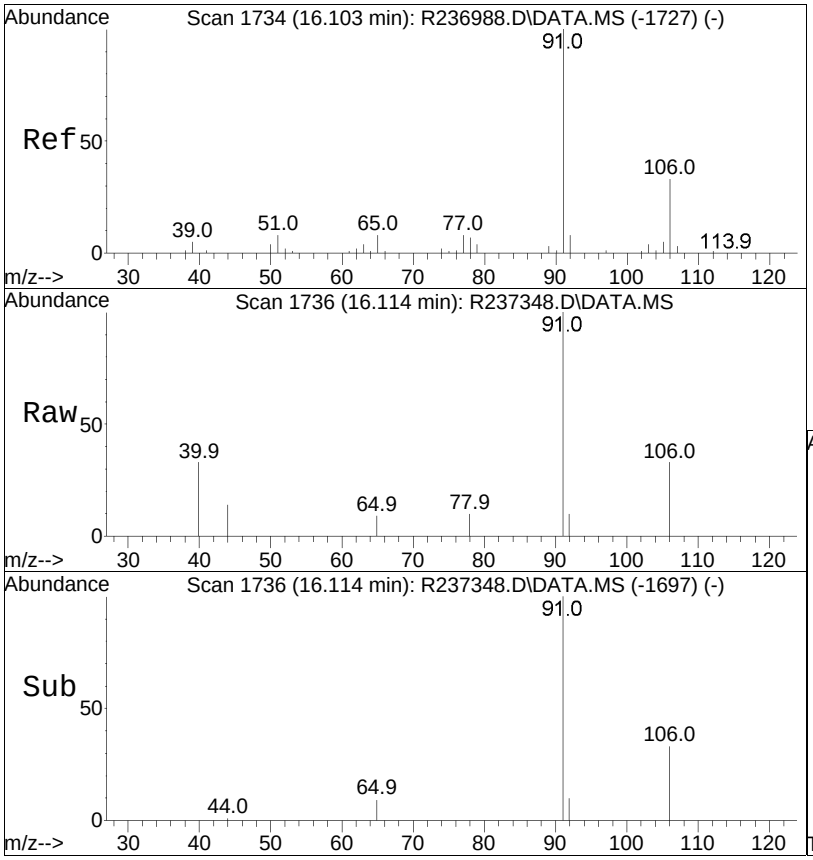


#78
tetrachloroethene
Concen: 53.50 ppbV
RT: 15.145 min Scan# 1627
Delta R.T. -0.006 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion:166 Resp: 2094019

Ion	Ratio	Lower	Upper
166	100		
131	66.1	51.4	77.0
94	38.3	30.2	45.2

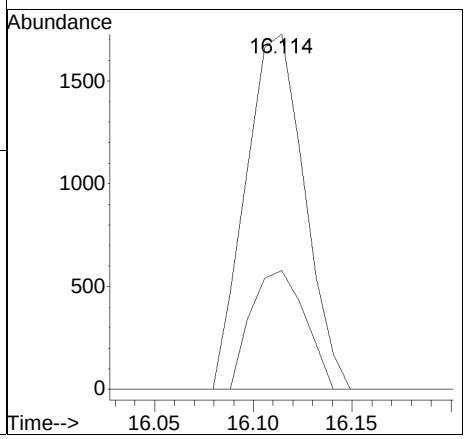


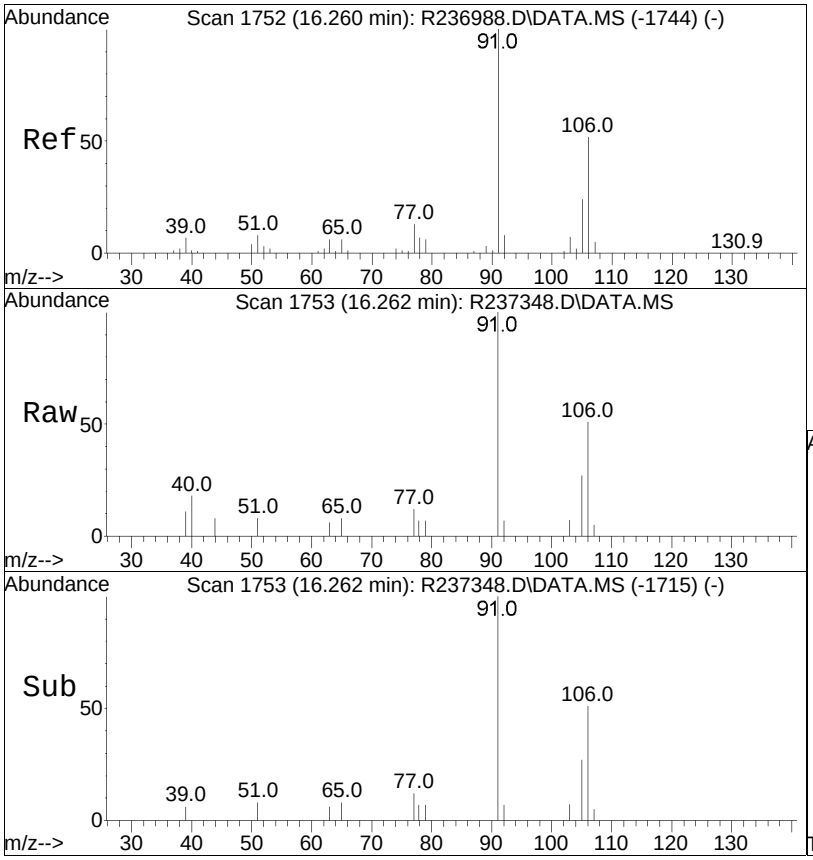


#81
ethylbenzene
Concen: 0.04 ppbV
RT: 16.114 min Scan# 1736
Delta R.T. 0.011 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 91 Resp: 3569

Ion	Ratio	Lower	Upper
91	100		
106	33.4	26.6	40.0

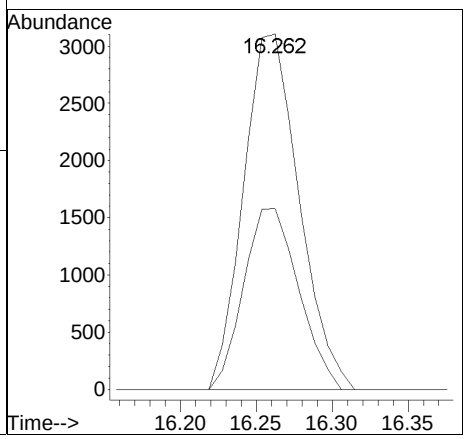


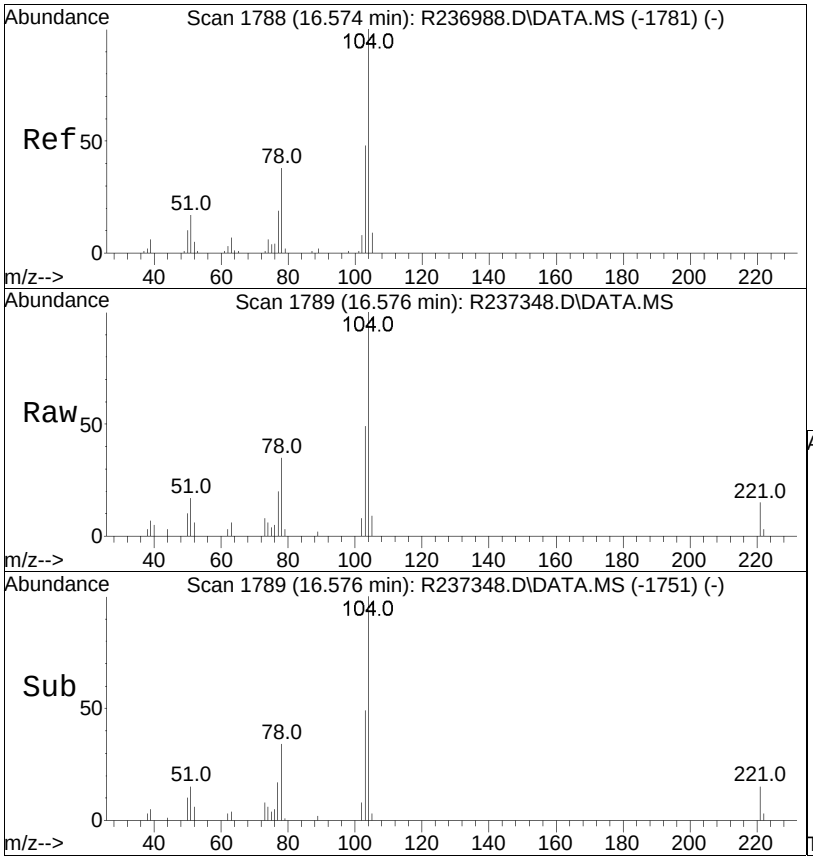


#83
m+p-xylene
Concen: 0.13 ppbV
RT: 16.262 min Scan# 1753
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 91 Resp: 7910

Ion	Ratio	Lower	Upper
91	100		
106	50.9	41.7	62.5

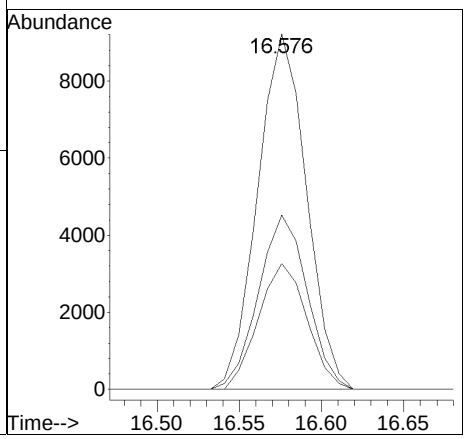


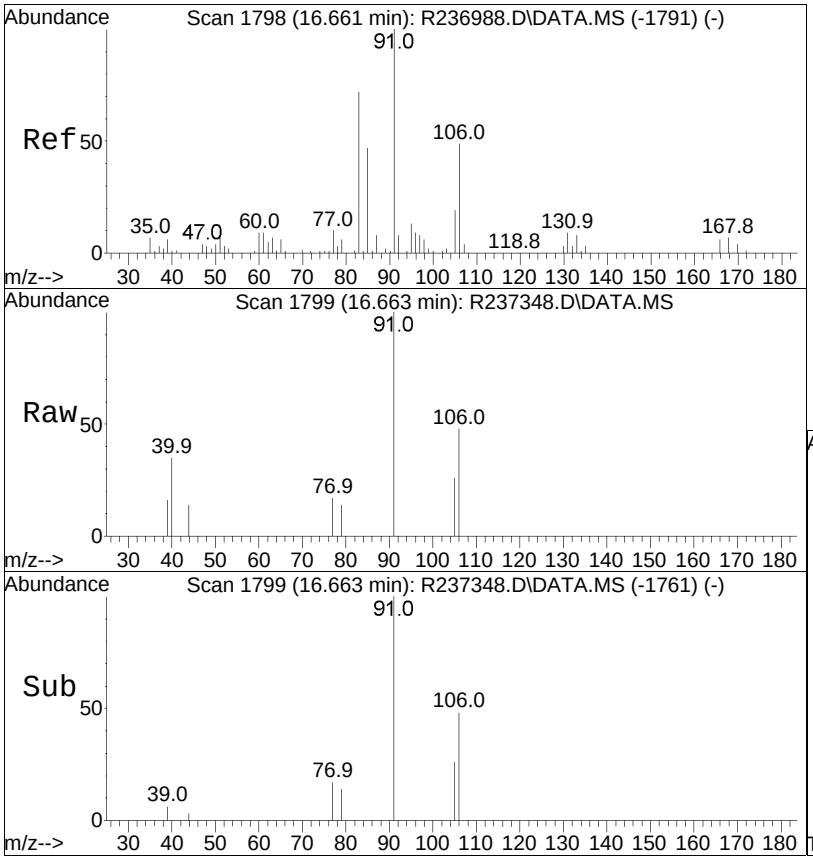


#85
styrene
Concen: 0.40 ppbV
RT: 16.576 min Scan# 1789
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion:104 Resp: 19005

Ion	Ratio	Lower	Upper
104	100		
103	49.0	38.2	57.4
78	35.4	30.6	45.8

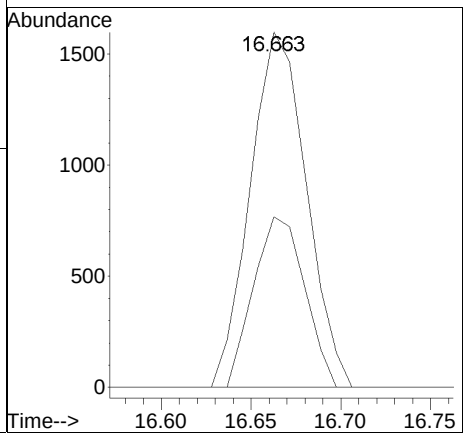


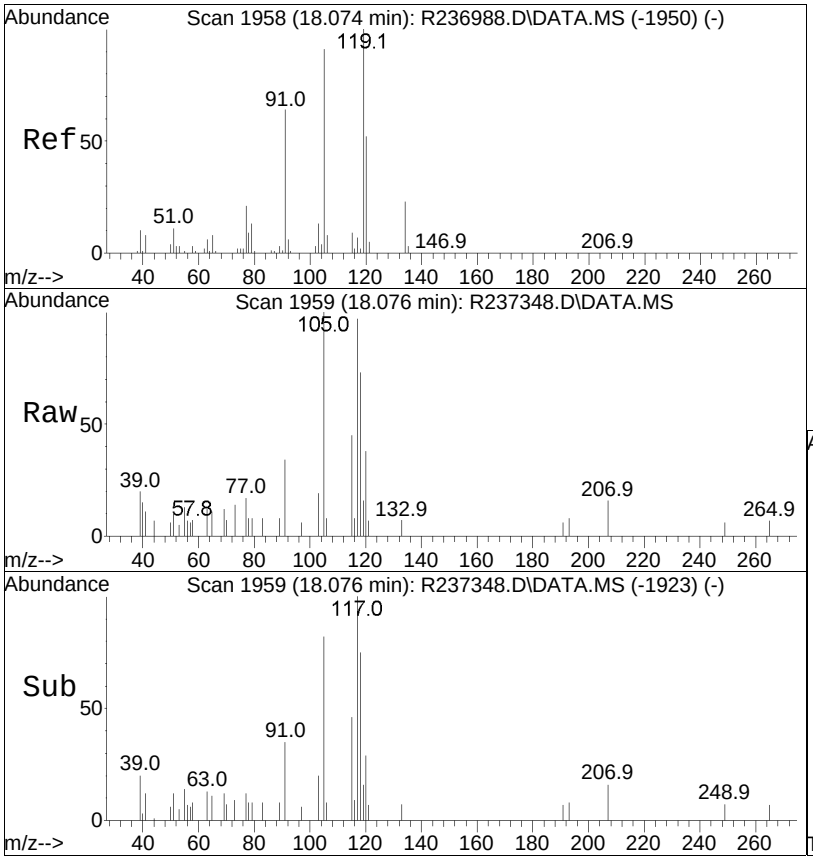


#87
o-xylene
Concen: 0.06 ppbV
RT: 16.663 min Scan# 1799
Delta R.T. 0.002 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion: 91 Resp: 3481

Ion	Ratio	Lower	Upper
91	100		
106	48.0	39.6	59.4

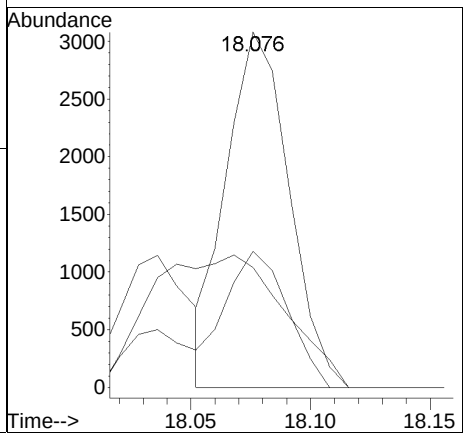




#99
1,2,4-trimethylbenzene
Concen: 0.08 ppbV
RT: 18.076 min Scan# 1959
Delta R.T. 0.001 min
Lab File: R237348.D
Acq: 19 Dec 2025 01:08 am

Tgt Ion:105 Resp: 5622

Ion	Ratio	Lower	Upper
105	100		
120	38.4	45.9	68.9#
91	33.8	56.2	84.2#

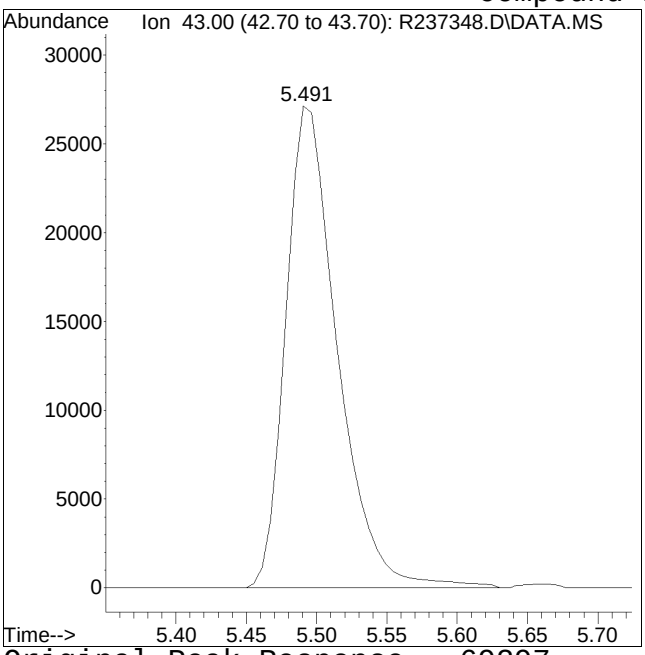


Manual Integration Report

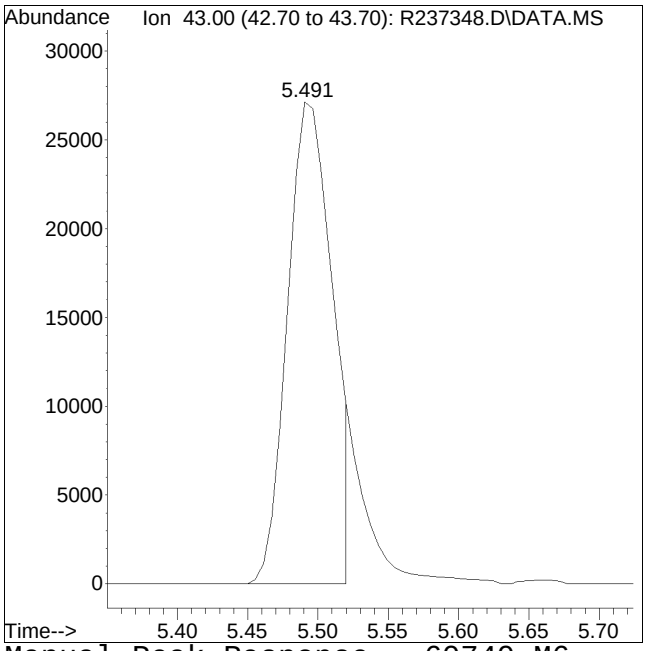
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237348.D
Date Inj'd : 12/19/2025 1:08 am
Sample : L2577500-18D,3,45,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #19: acetone



Original Peak Response = 69297



Manual Peak Response = 60740 M6

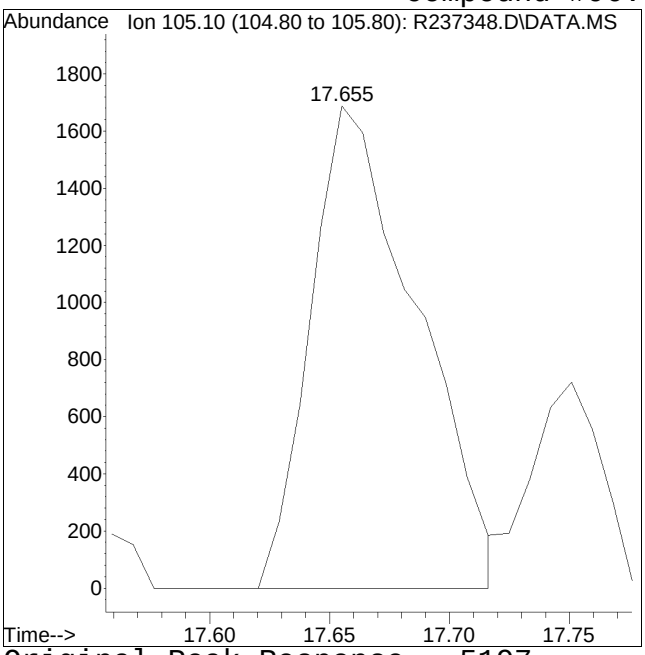
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

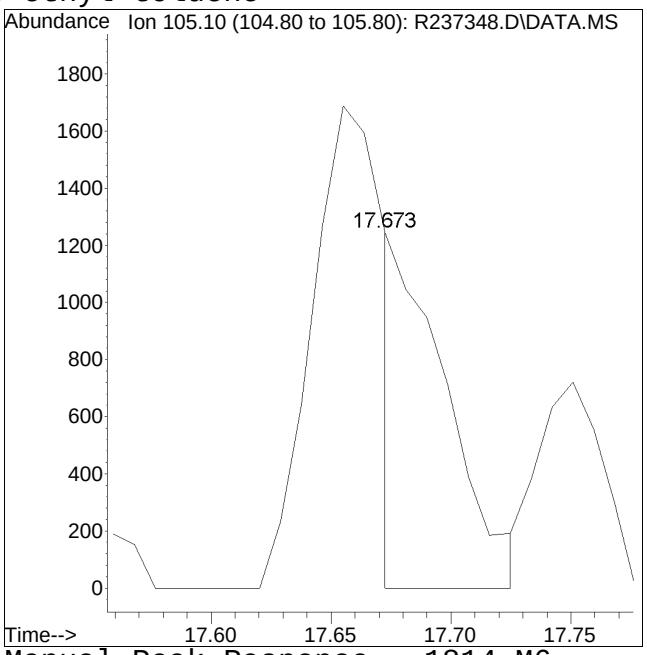
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237348.D
Date Inj'd : 12/19/2025 1:08 am
Sample : L2577500-18D,3,45,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #96: 4-ethyl toluene



Original Peak Response = 5197



Manual Peak Response = 1814 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752998.D
Acq On : 19 Dec 2025 1:13 AM
Operator : AIRLAB17:TPH
Sample : L2577500-12,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	335809	10.000	ppbV	-0.04
Standard Area = 341577			Recovery = 98.31%			
43) 1,4-difluorobenzene	11.017	114	934795	10.000	ppbV	-0.03
Standard Area = 849055			Recovery = 110.10%			
67) chlorobenzene-D5	15.775	54	163173	10.000	ppbV	-0.03
Standard Area = 140112			Recovery = 116.46%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.862	85	25338	0.536	ppbV	99
6) chloromethane	4.018	50	12684	0.598	ppbV	97
7) Freon-114	4.120		0	N.D.		
10) 1,3-butadiene	4.366		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.942	31	4870534	252.408	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.427	43	414060m	12.710	ppbV	
21) trichlorofluoromethane	5.620	101	8361	0.180	ppbV	92
22) isopropyl alcohol	5.707	45	323029	8.736	ppbV	98
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.438	49	5157	0.186	ppbV	91
29) 3-chloropropene	6.540		0	N.D.		
30) carbon disulfide	6.732		0	N.D.		
31) Freon 113	6.726	101	2765	0.055	ppbV	94
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.675		0	N.D.		
36) 2-butanone	8.125	43	12864	0.250	ppbV	99
38) Ethyl Acetate	8.892	61	7891	0.838	ppbV #	41
39) chloroform	8.950	83	3171	0.072	ppbV	97
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.775		0	N.D.		
44) hexane	8.875	57	7493	0.167	ppbV #	8
50) benzene	10.590	78	17274	0.221	ppbV	98
53) cyclohexane	10.903	56	2510	0.053	ppbV	92
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752998.D
Acq On : 19 Dec 2025 1:13 AM
Operator : AIRLAB17:TPH
Sample : L2577500-12,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

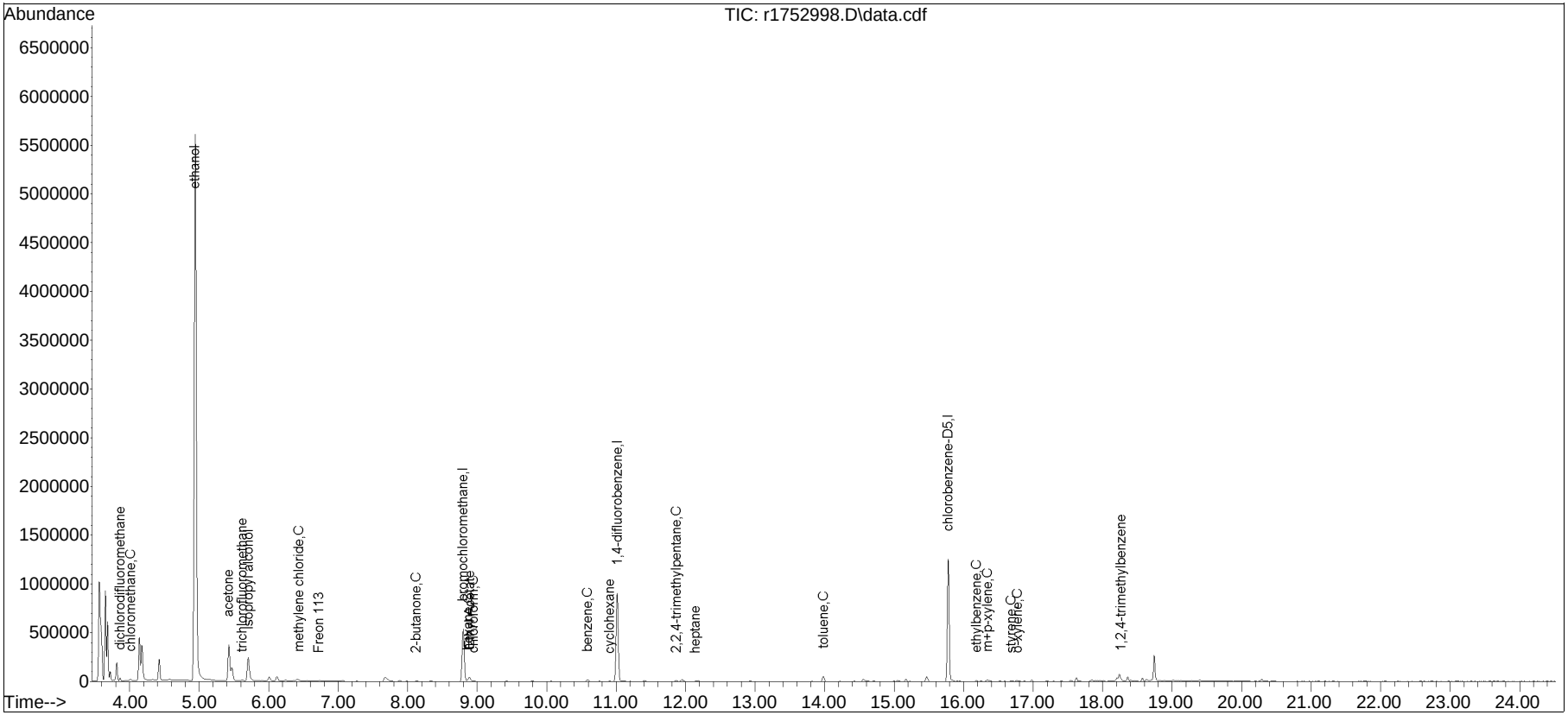
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.870	57	11169	0.077	ppbV	95
62) heptane	12.137	43	4342	0.091	ppbV #	29
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.908		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.983	91	46245	0.411	ppbV	97
72) 2-hexanone	14.267		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.842		0	N.D.		
81) ethylbenzene	16.183	91	6852	0.048	ppbV	98
83) m+p-xylene	16.342	91	14894	0.132	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.683	104	2602	0.031	ppbV #	91
86) 1,1,2,2-tetrachloroethane	16.808		0	N.D.		
87) o-xylene	16.775	91	5555	0.049	ppbV	89
96) 4-ethyl toluene	17.858		0	N.D.		
97) 1,3,5-trimethylbenzene	17.925		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267	105	6593	0.055	ppbV #	54
101) Benzyl Chloride	18.467		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

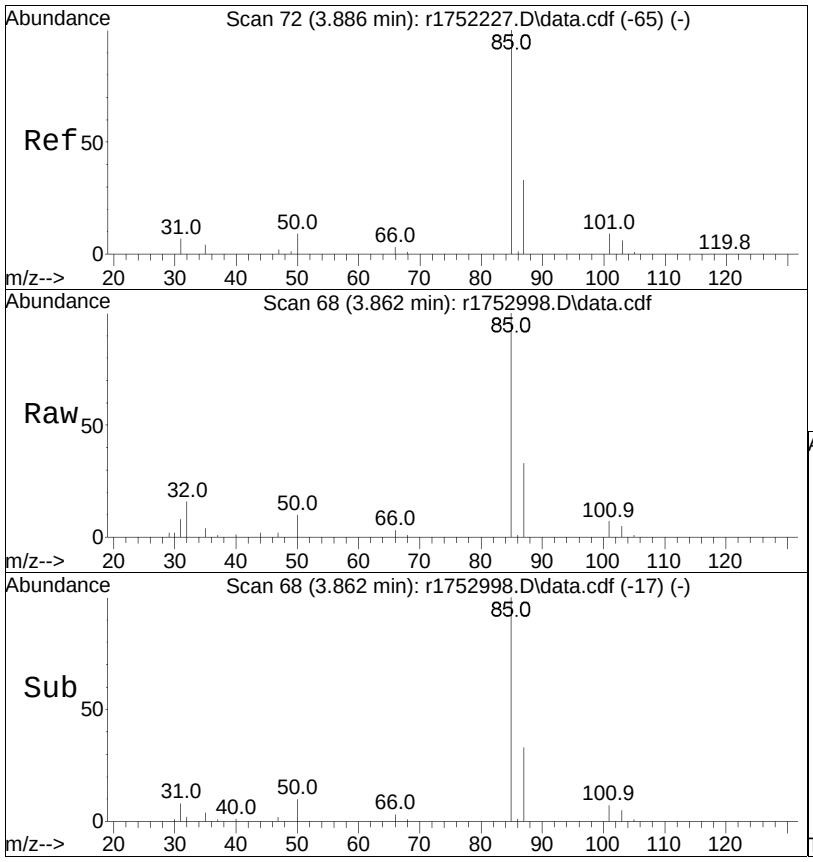
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752998.D
Acq On : 19 Dec 2025 1:13 AM
Operator : AIRLAB17:TPH
Sample : L2577500-12,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

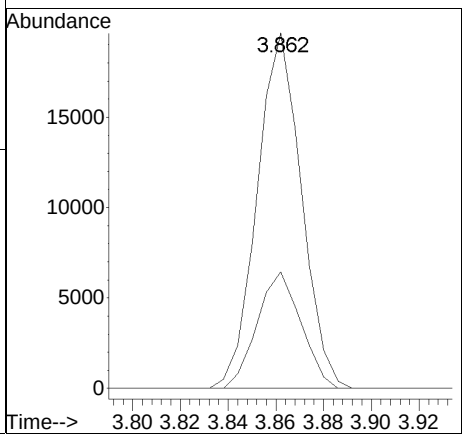


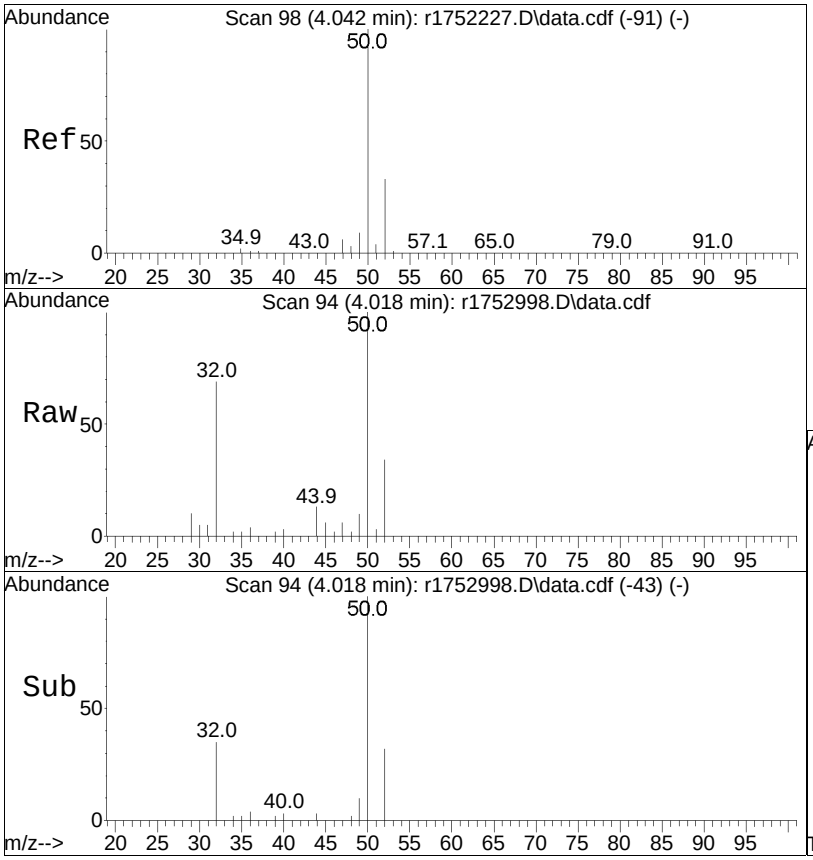


#5
dichlorodifluoromethane
Concen: 0.54 ppbV
RT: 3.862 min Scan# 68
Delta R.T. -0.024 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 85 Resp: 25338

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.7	40.1

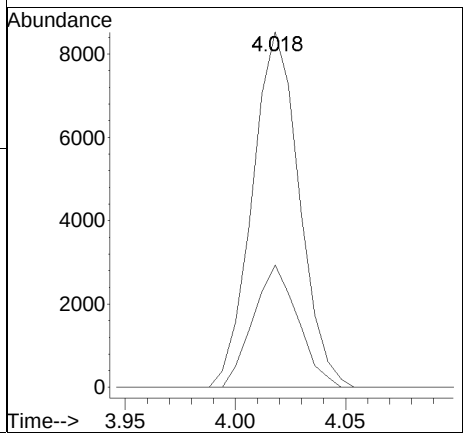


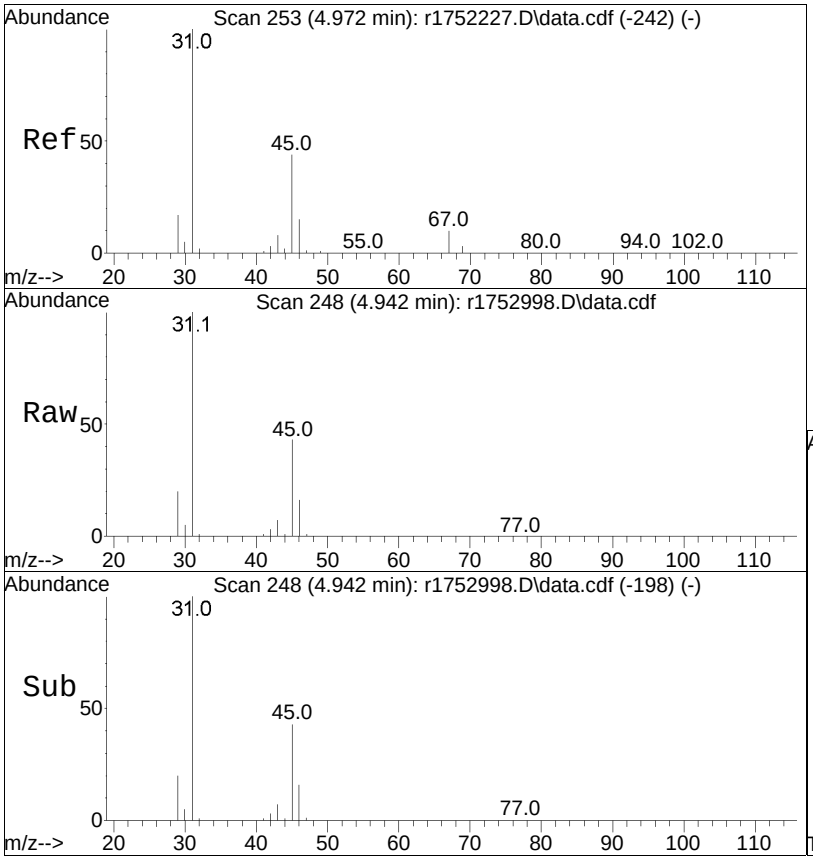


#6
chloromethane
Concen: 0.60 ppbV
RT: 4.018 min Scan# 94
Delta R.T. -0.024 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 50 Resp: 12684

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.1	39.1

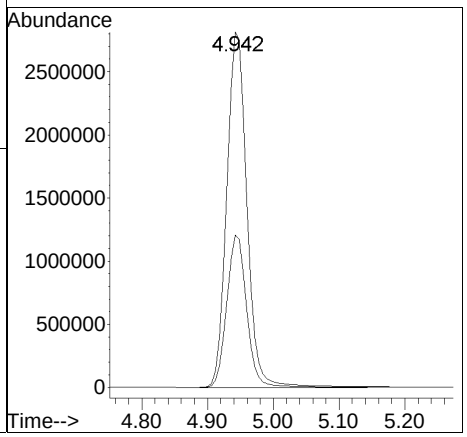


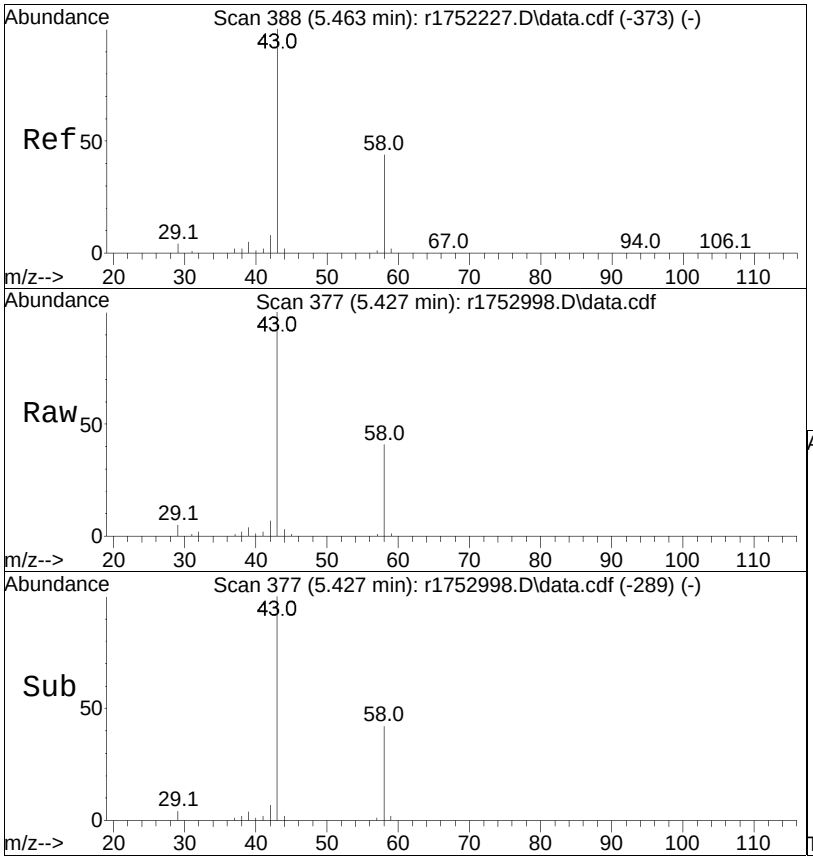


#15
ethanol
Concen: 252.41 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 31 Resp: 4870534

Ion	Ratio	Lower	Upper
31	100		
45	42.9	35.3	52.9

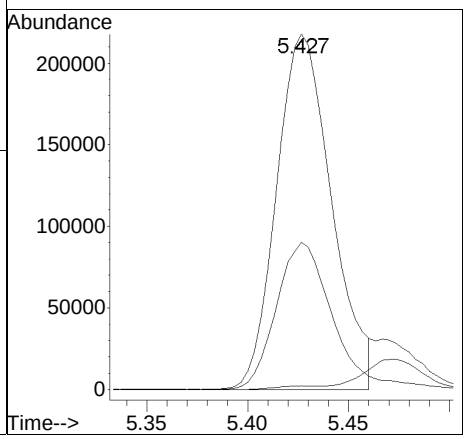


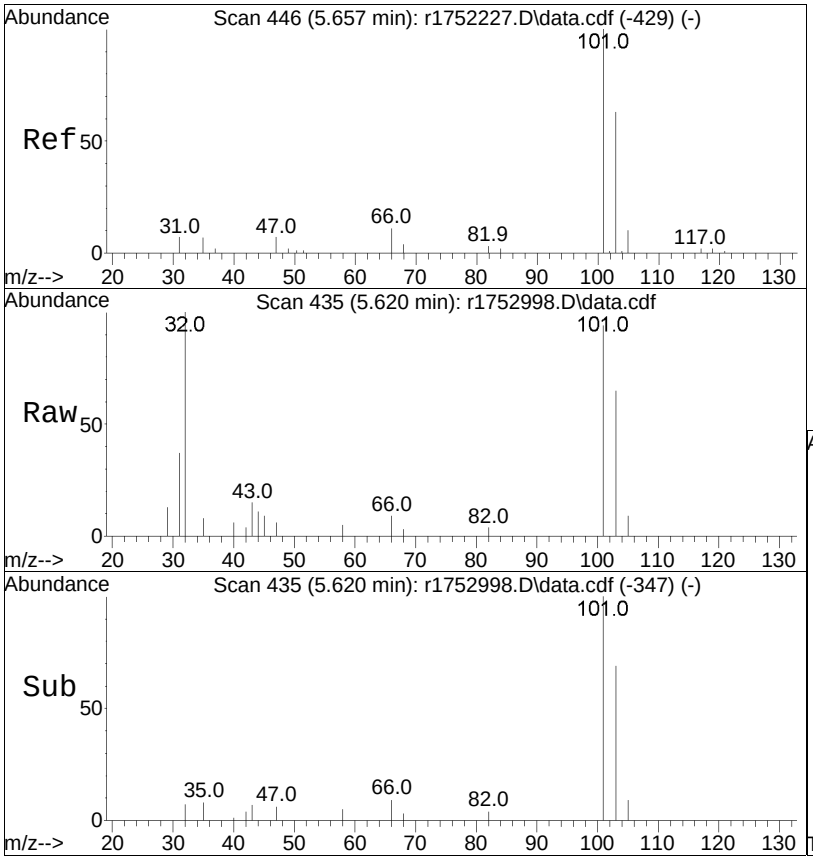


#19
acetone
Concen: 12.71 ppbV m
RT: 5.427 min Scan# 377
Delta R.T. -0.037 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 43 Resp: 414060

Ion	Ratio	Lower	Upper
43	100		
58	41.4	35.1	52.7
57	1.0	0.9	1.3

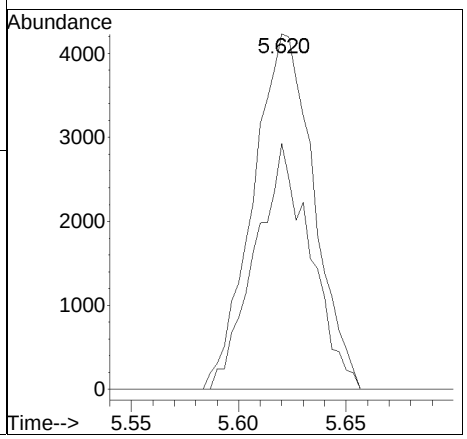


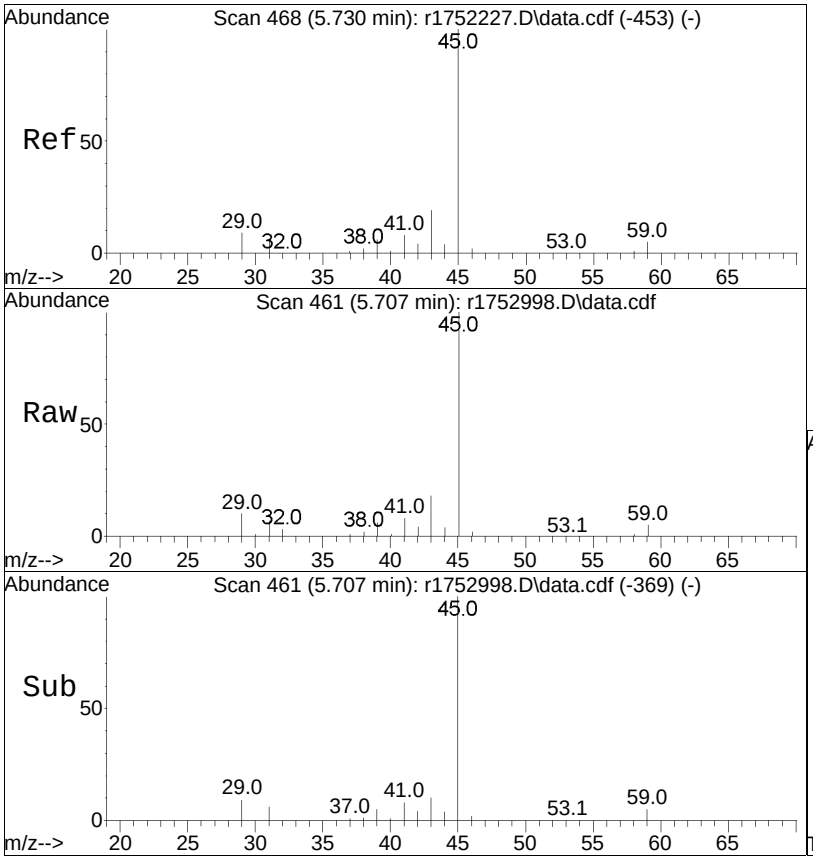


#21
trichlorofluoromethane
Concen: 0.18 ppbV
RT: 5.620 min Scan# 435
Delta R.T. -0.037 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:101 Resp: 8361

Ion	Ratio	Lower	Upper
101	100		
103	69.1	50.2	75.2

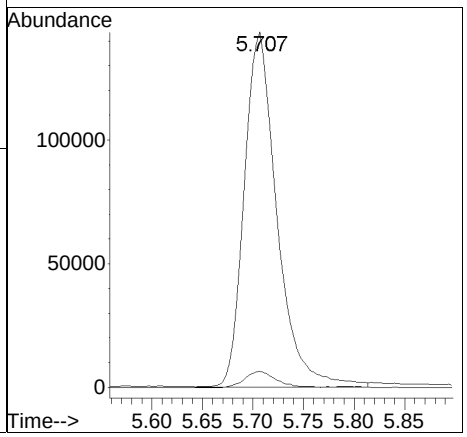


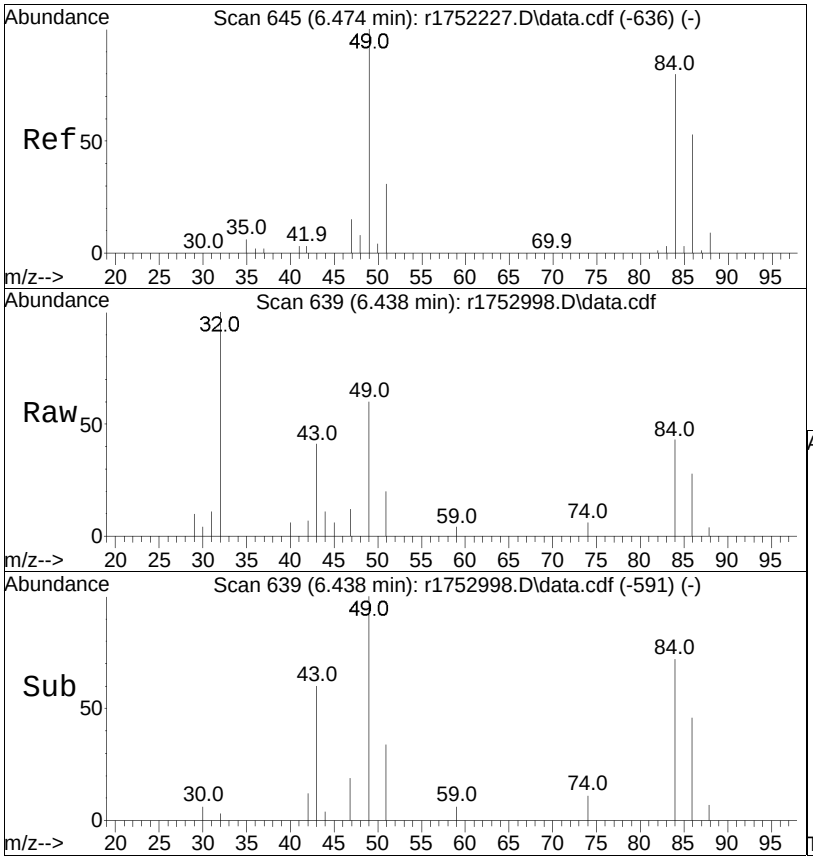


#22
isopropyl alcohol
Concen: 8.74 ppbV
RT: 5.707 min Scan# 461
Delta R.T. -0.023 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 45 Resp: 323029

Ion	Ratio	Lower	Upper
45	100		
59	4.5	4.2	6.2

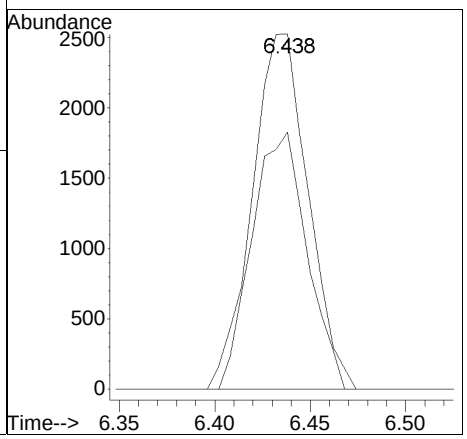


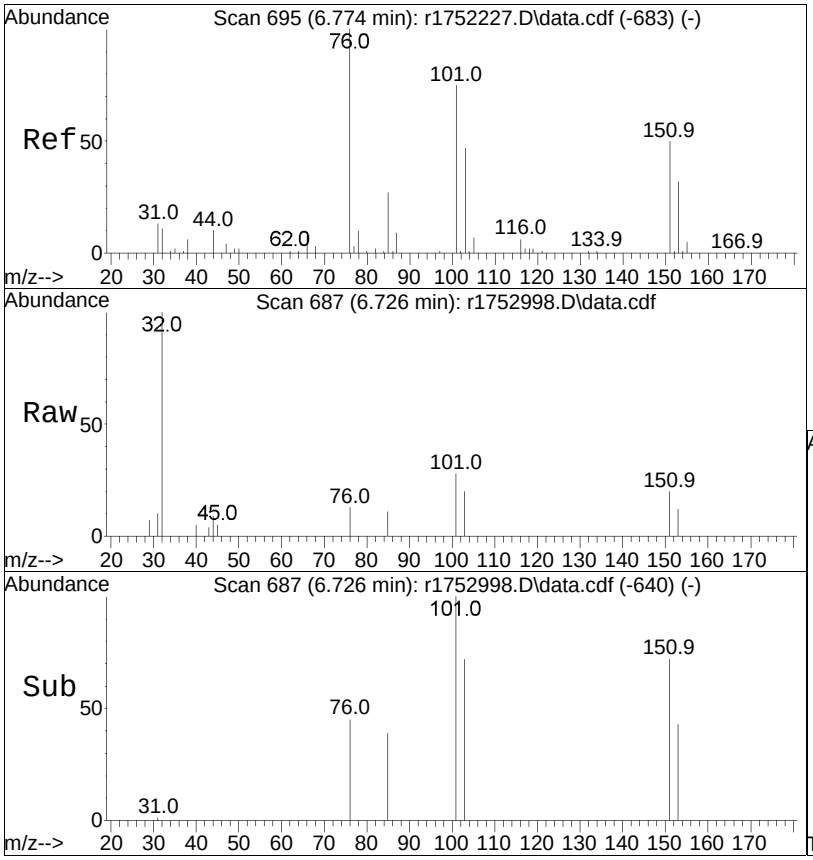


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.438 min Scan# 639
Delta R.T. -0.036 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 49 Resp: 5157

Ion	Ratio	Lower	Upper
49	100		
84	72.4	64.2	96.2

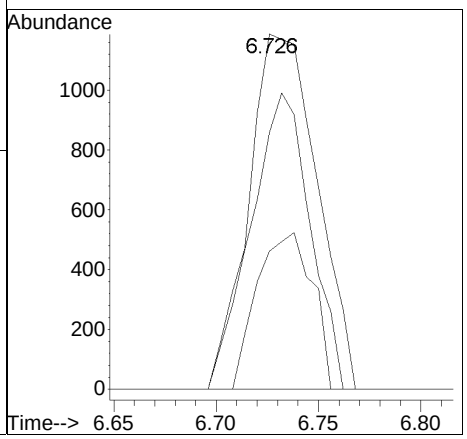


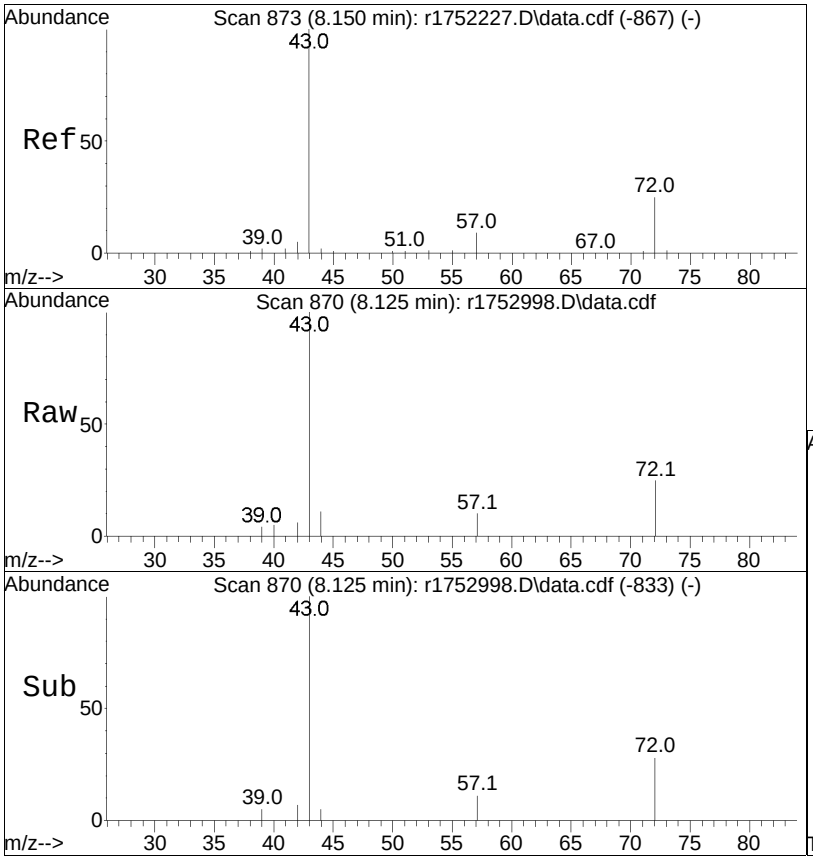


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.726 min Scan# 687
Delta R.T. -0.048 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:101 Resp: 2765

Ion	Ratio	Lower	Upper
101	100		
85	38.9	28.9	43.3
151	72.3	53.3	79.9

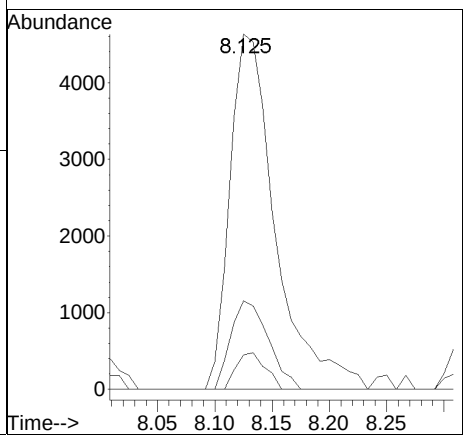


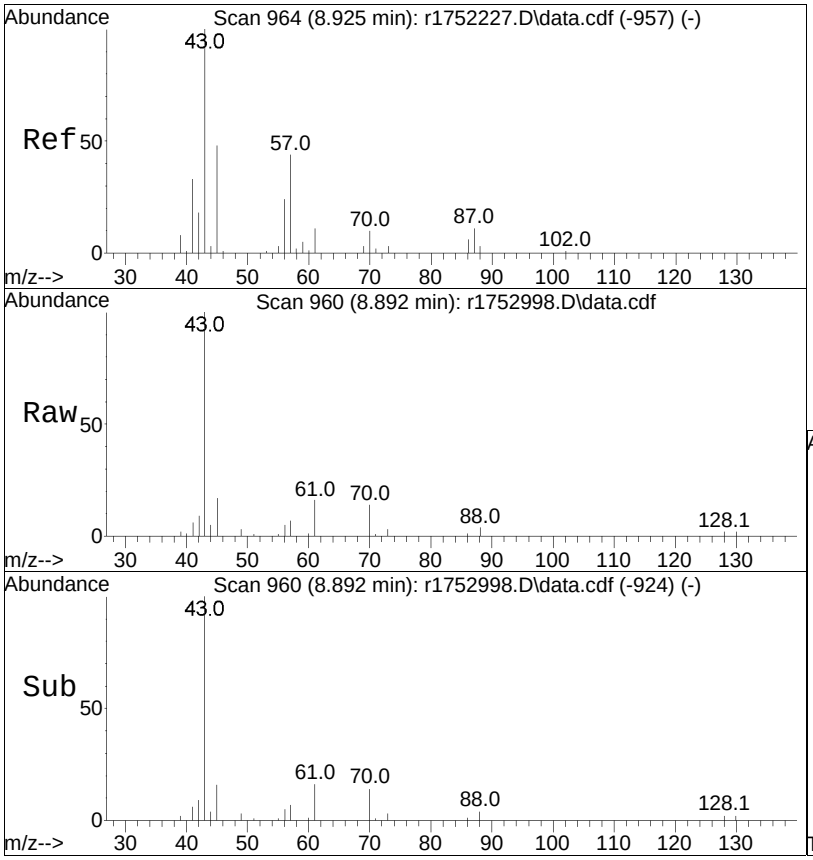


#36
2-butanone
Concen: 0.25 ppbV
RT: 8.125 min Scan# 870
Delta R.T. -0.025 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 43 Resp: 12864

Ion	Ratio	Lower	Upper
43	100		
72	24.9	19.9	29.9
57	9.7	7.2	10.8

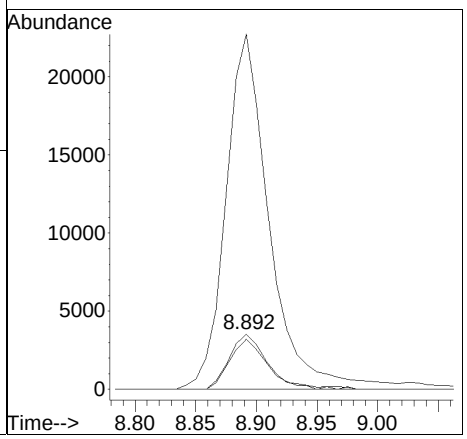


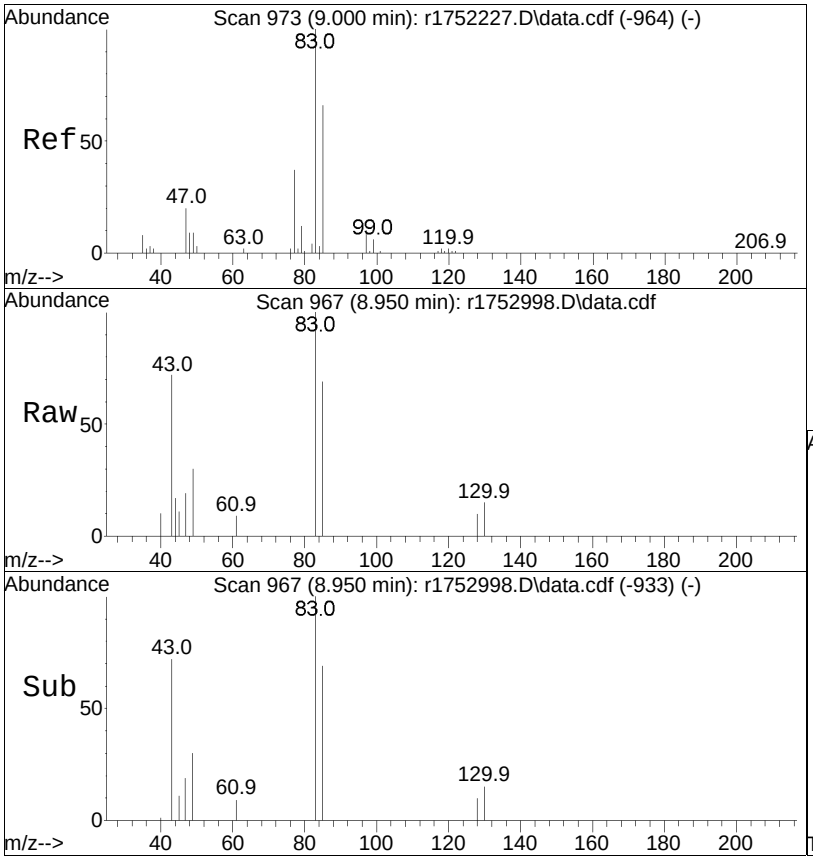


#38
Ethyl Acetate
Concen: 0.84 ppbV
RT: 8.892 min Scan# 960
Delta R.T. -0.033 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 61 Resp: 7891

Ion	Ratio	Lower	Upper
61	100		
70	91.1	68.4	102.6
43	643.9	727.4	1091.2#

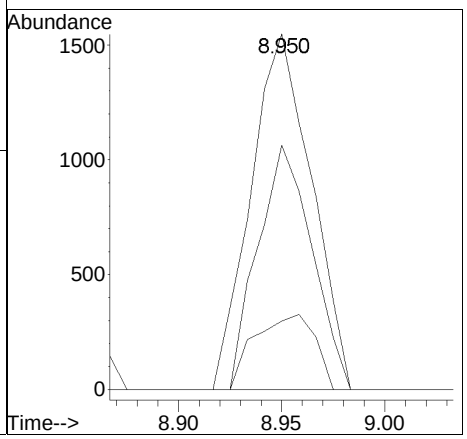


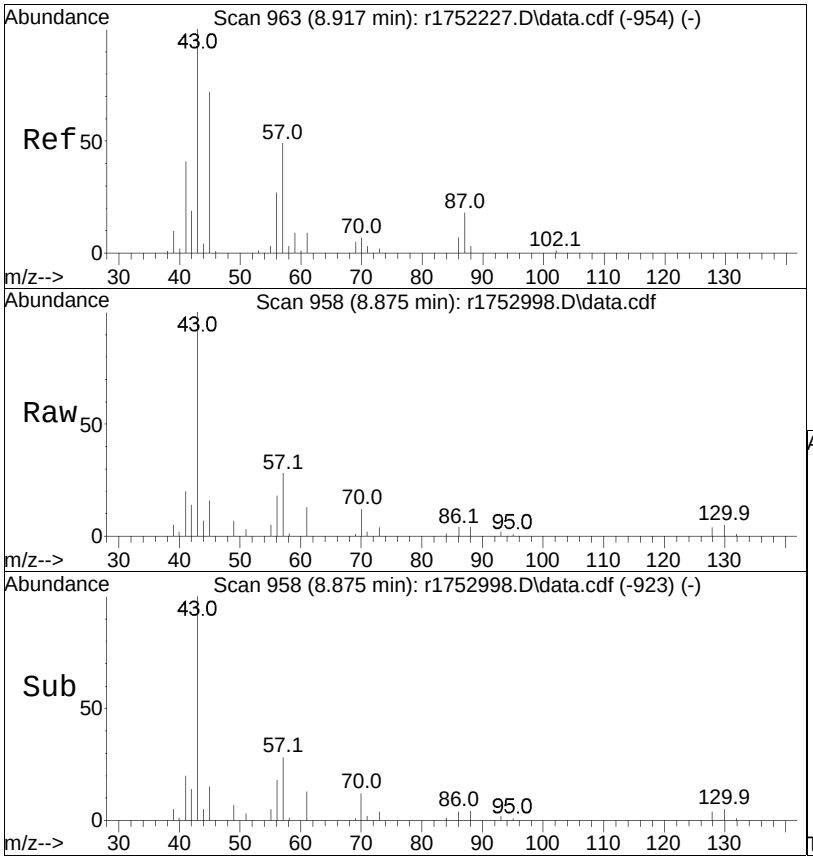


#39
chloroform
Concen: 0.07 ppbV
RT: 8.950 min Scan# 967
Delta R.T. -0.050 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 83 Resp: 3171

Ion	Ratio	Lower	Upper
83	100		
85	68.7	53.1	79.7
47	19.3	16.3	24.5

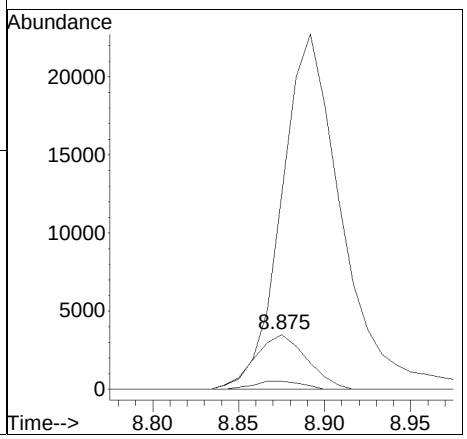


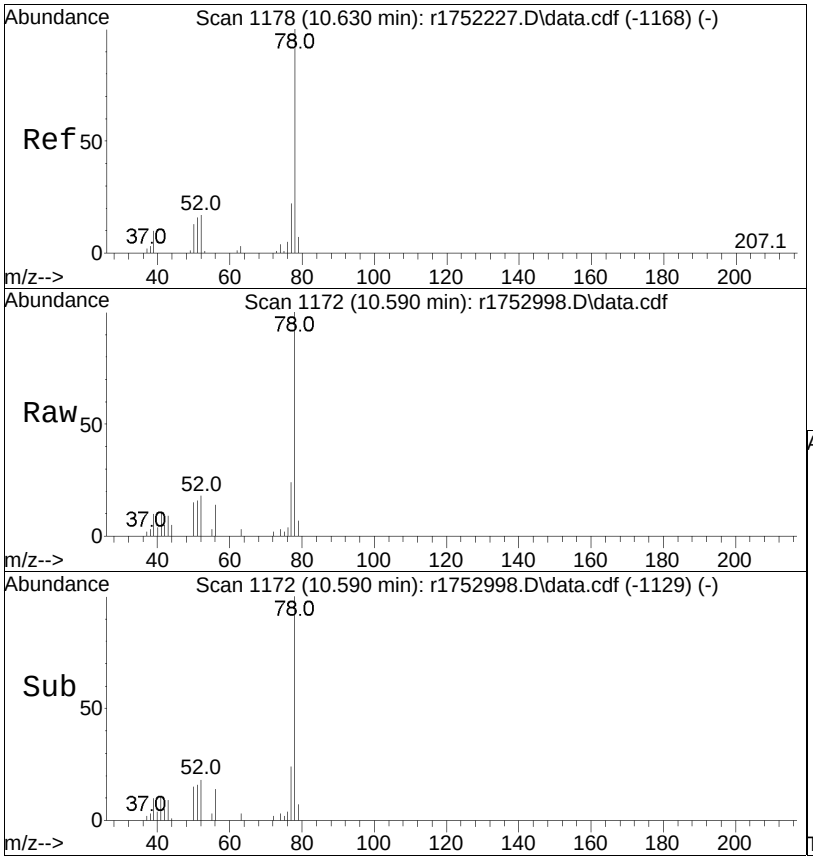


#44
hexane
Concen: 0.17 ppbV
RT: 8.875 min Scan# 958
Delta R.T. -0.042 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 57 Resp: 7493

Ion	Ratio	Lower	Upper
57	100		
43	356.4	163.5	245.3#
86	14.8	11.7	17.5

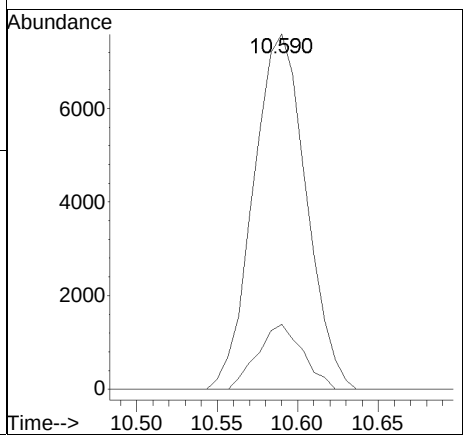


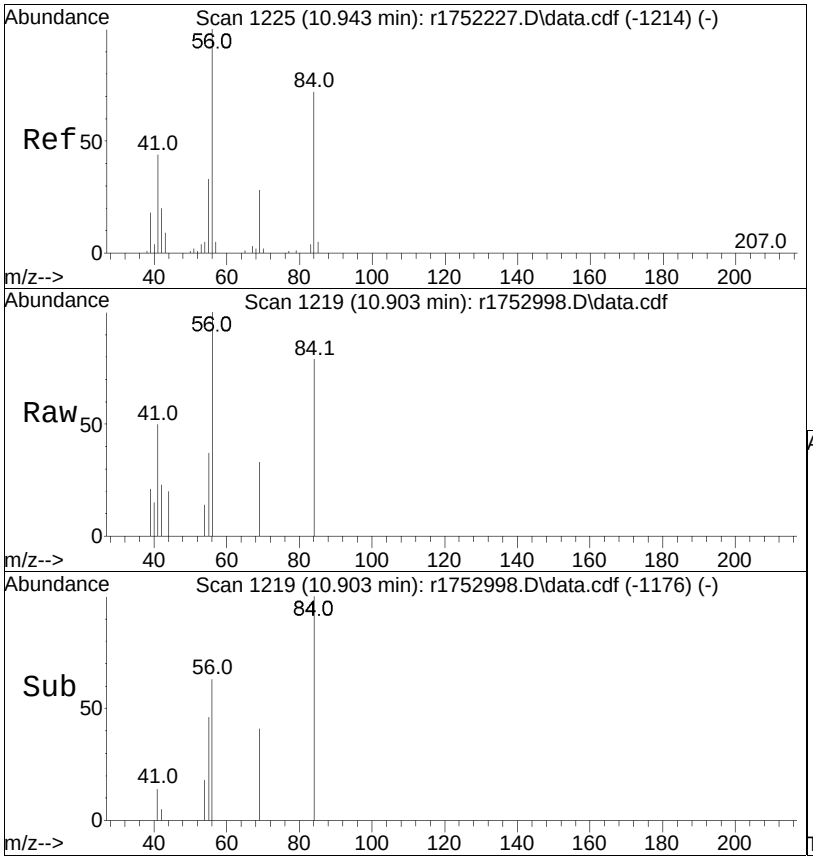


#50
benzene
Concen: 0.22 ppbV
RT: 10.590 min Scan# 1172
Delta R.T. -0.040 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 78 Resp: 17274

Ion	Ratio	Lower	Upper
78	100		
52	18.3	13.8	20.8

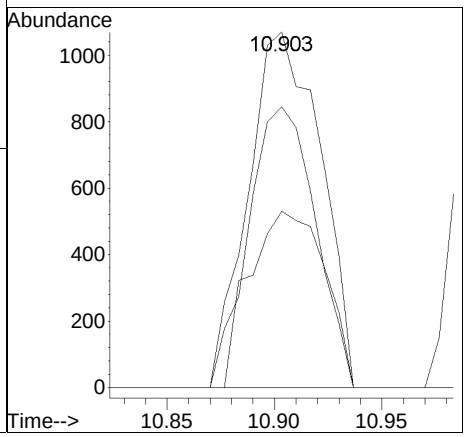


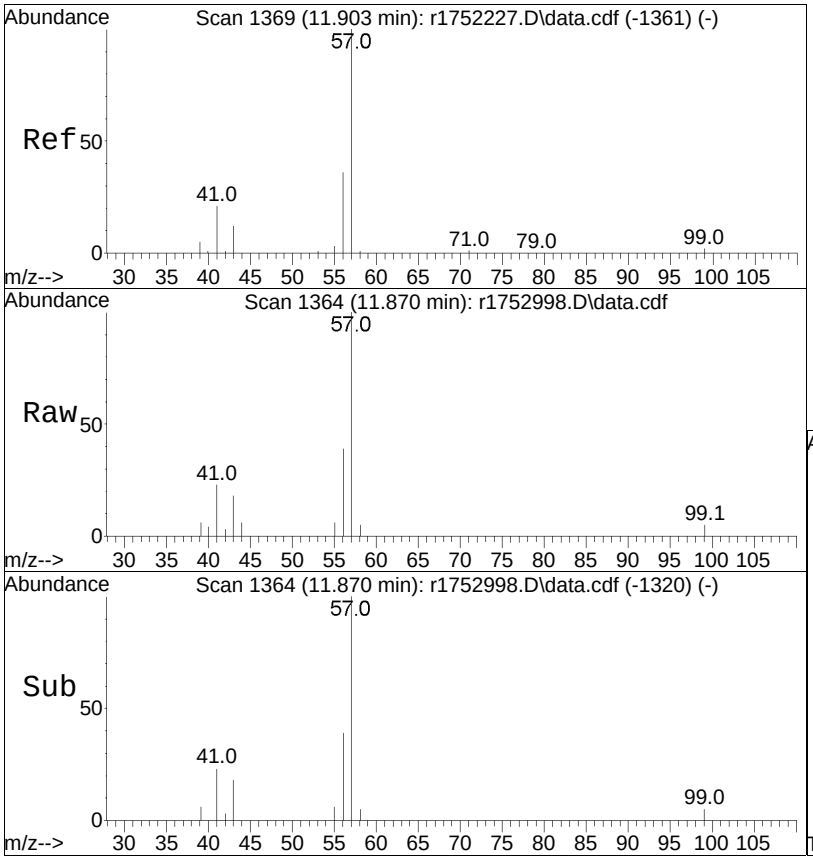


#53
cyclohexane
Concen: 0.05 ppbV
RT: 10.903 min Scan# 1219
Delta R.T. -0.040 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 56 Resp: 2510

Ion	Ratio	Lower	Upper
56	100		
84	79.0	57.8	86.8
41	49.6	35.5	53.3

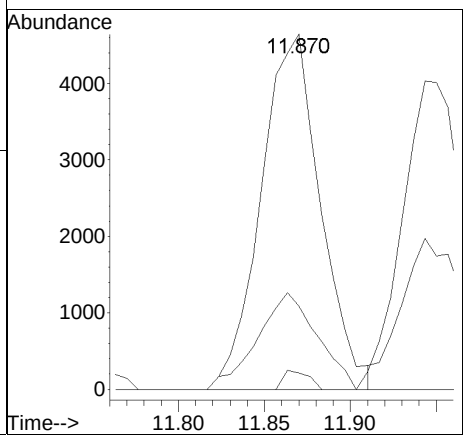


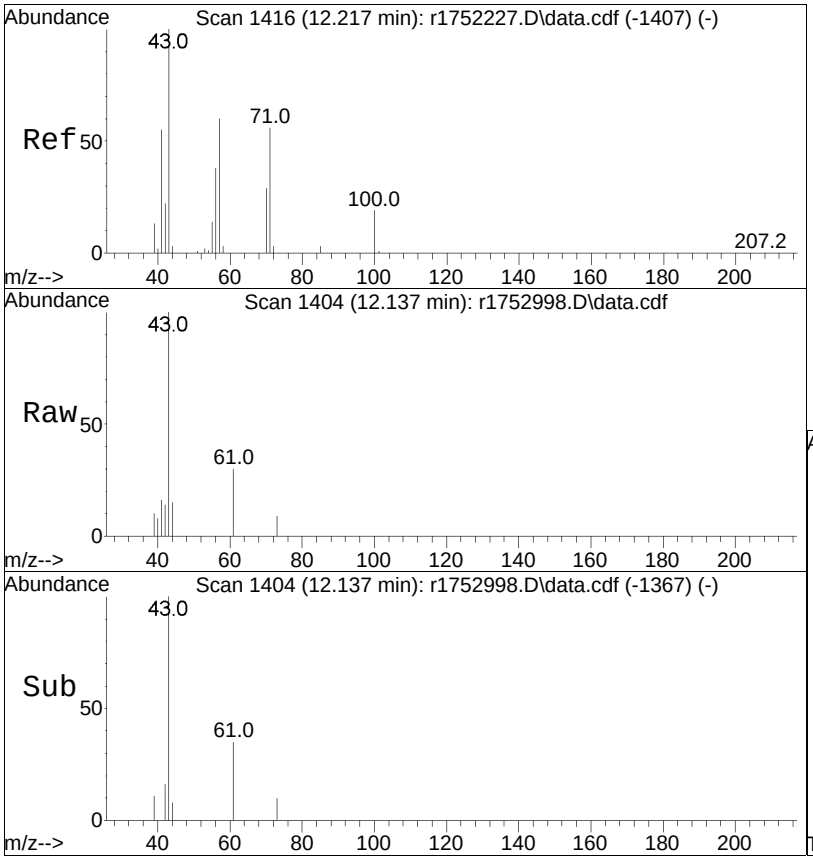


#60
2,2,4-trimethylpentane
Concen: 0.08 ppbV
RT: 11.870 min Scan# 1364
Delta R.T. -0.033 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 57 Resp: 11169

Ion	Ratio	Lower	Upper
57	100		
99	4.6	3.8	5.8
41	23.5	16.5	24.7

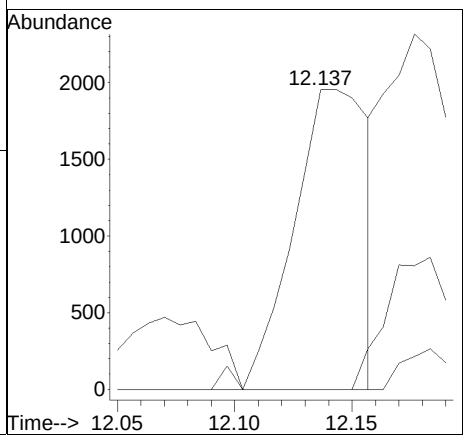


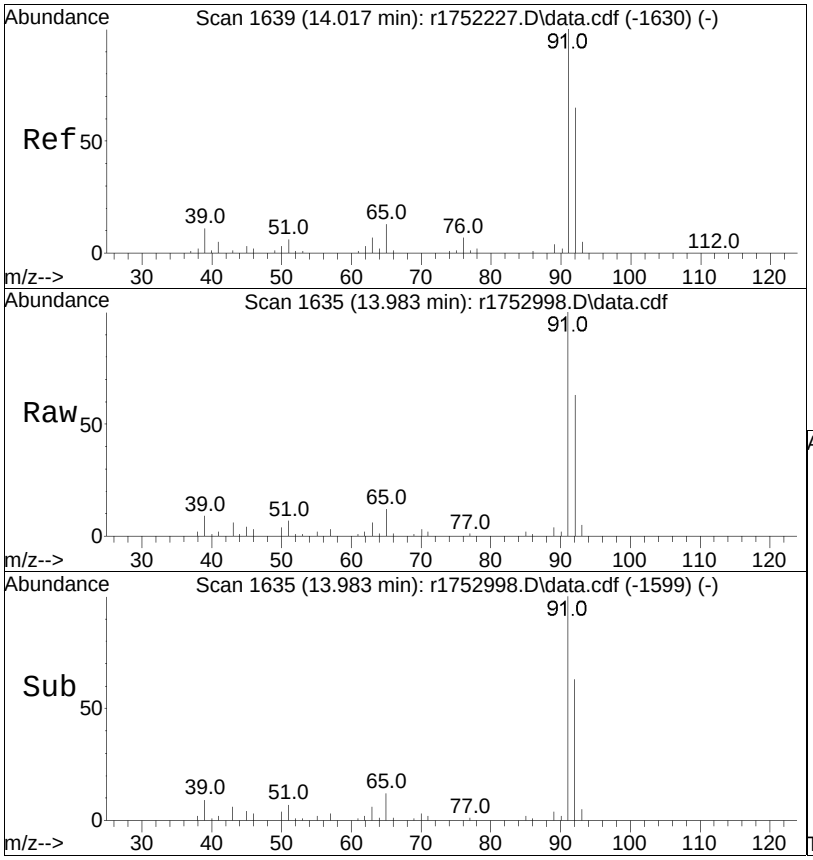


#62
heptane
Concen: 0.09 ppbV
RT: 12.137 min Scan# 1404
Delta R.T. -0.080 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 43 Resp: 4342

Ion	Ratio	Lower	Upper
43	100		
57	0.0	48.3	72.5#
100	0.0	15.4	23.0#

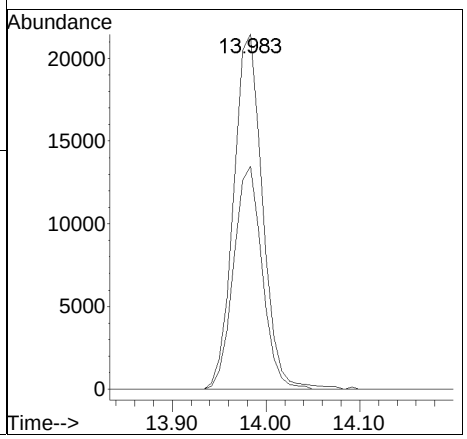


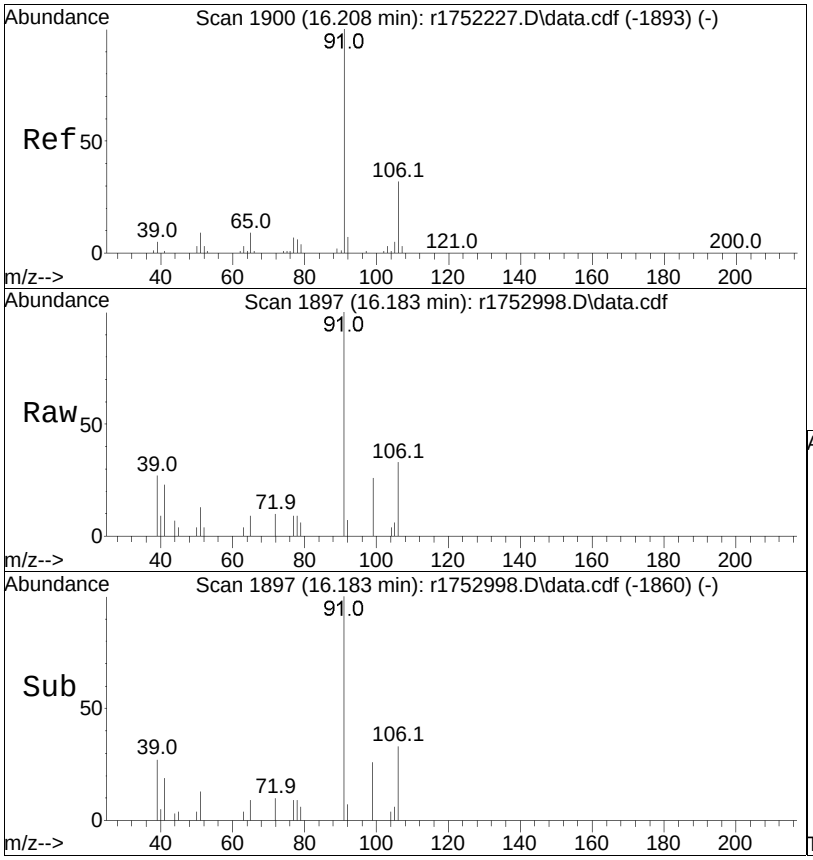


#68
toluene
Concen: 0.41 ppbV
RT: 13.983 min Scan# 1635
Delta R.T. -0.033 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 91 Resp: 46245

Ion	Ratio	Lower	Upper
91	100		
92	62.8	51.9	77.9

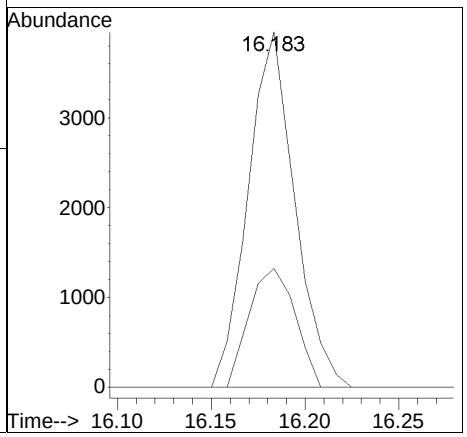


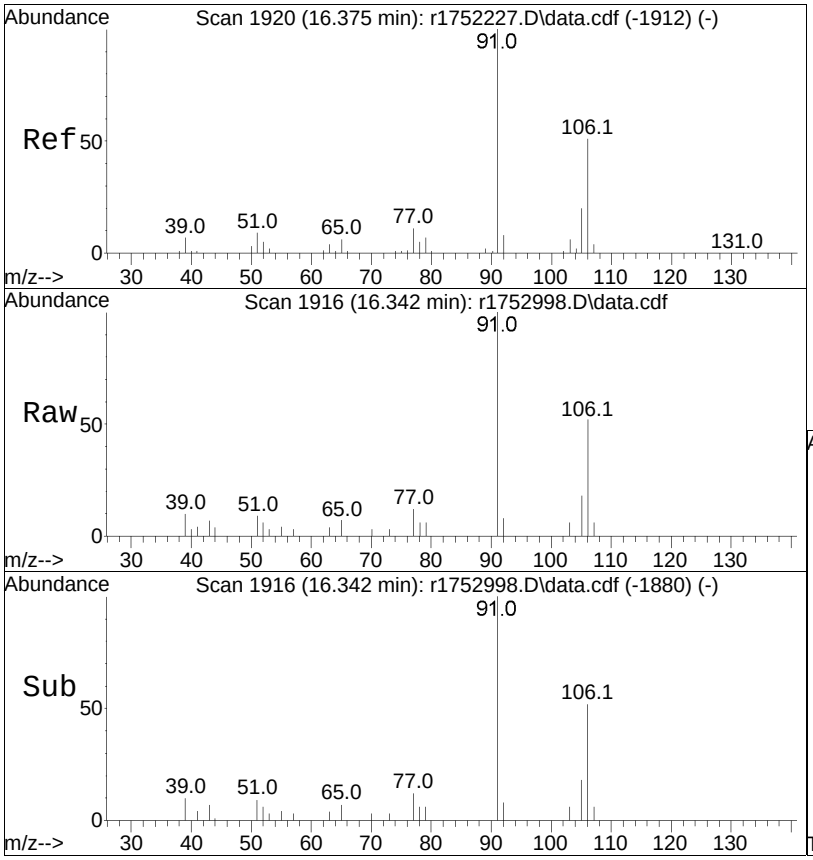


#81
ethylbenzene
Concen: 0.05 ppbV
RT: 16.183 min Scan# 1897
Delta R.T. -0.025 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 91 Resp: 6852

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.7	38.5

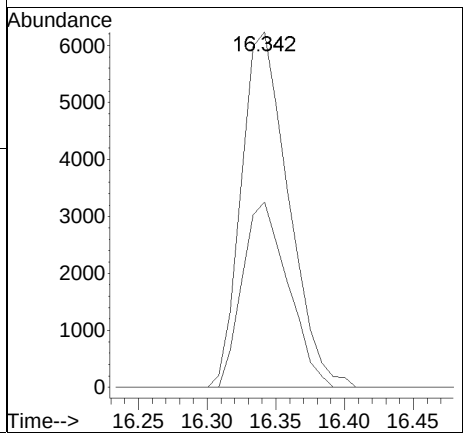


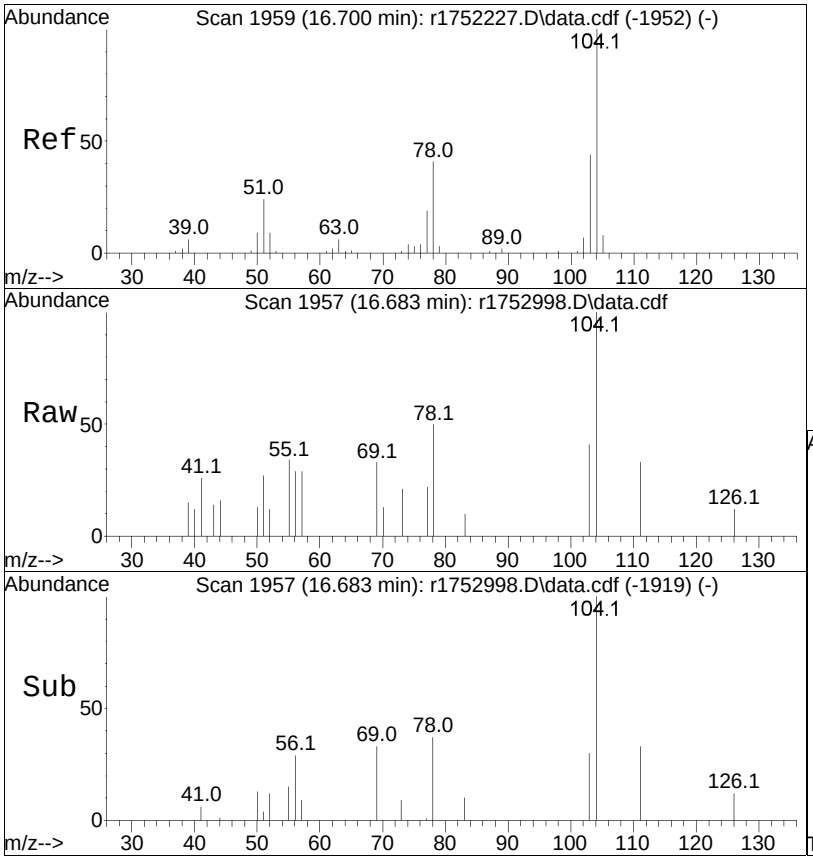


#83
m+p-xylene
Concen: 0.13 ppbV
RT: 16.342 min Scan# 1916
Delta R.T. -0.033 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 91 Resp: 14894

Ion	Ratio	Lower	Upper
91	100		
106	52.2	41.1	61.7

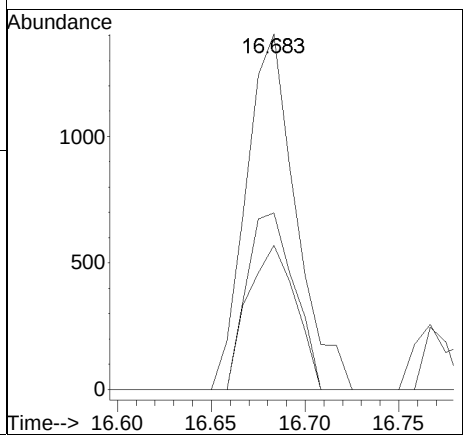


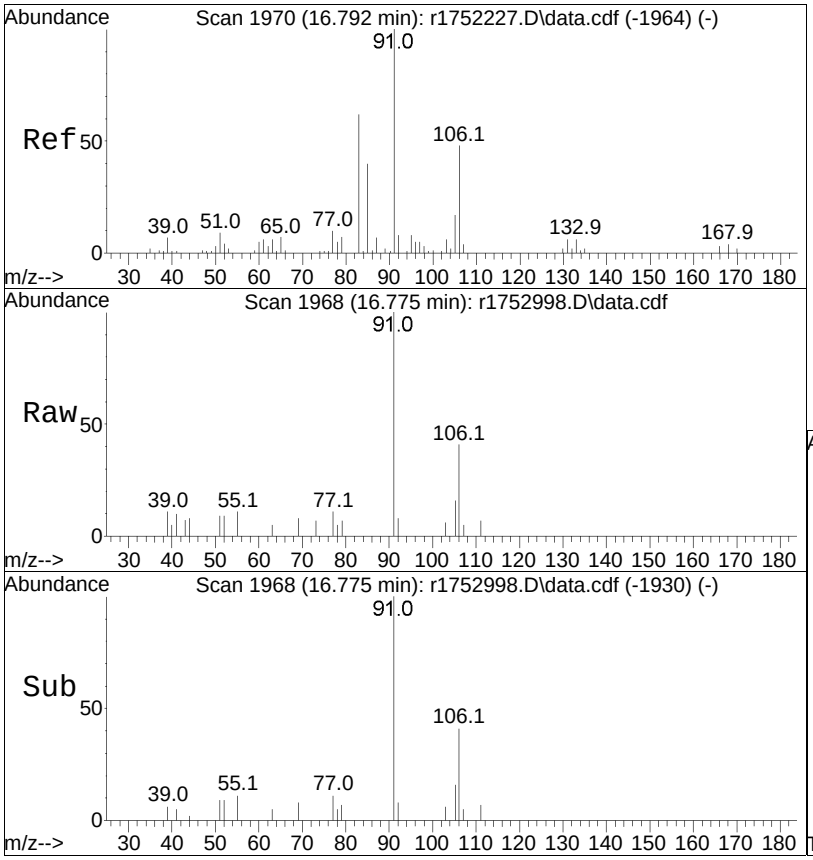


#85
styrene
Concen: 0.03 ppbV
RT: 16.683 min Scan# 1957
Delta R.T. -0.017 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:104 Resp: 2602

Ion	Ratio	Lower	Upper
104	100		
103	40.6	34.9	52.3
78	49.7	33.0	49.4#

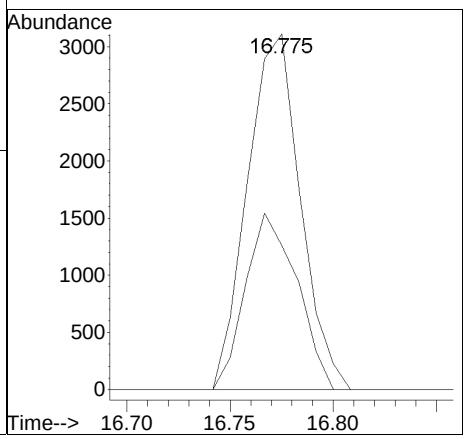


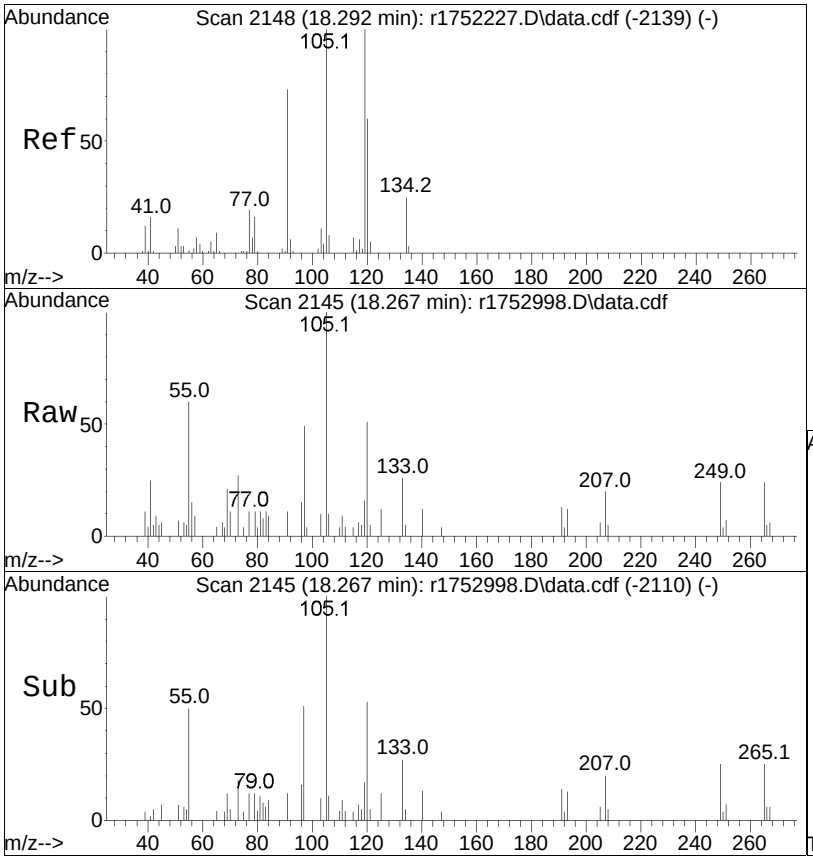


#87
o-xylene
Concen: 0.05 ppbV
RT: 16.775 min Scan# 1968
Delta R.T. -0.017 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion: 91 Resp: 5555

Ion	Ratio	Lower	Upper
91	100		
106	40.5	38.4	57.6

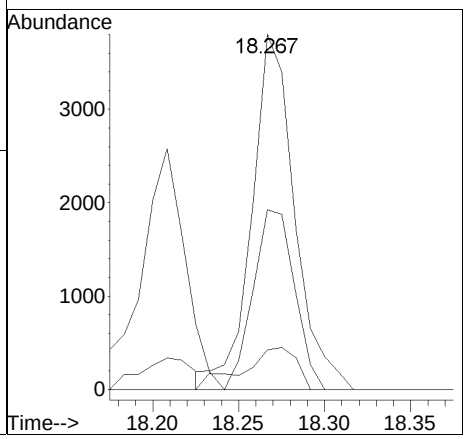




#99
1,2,4-trimethylbenzene
Concen: 0.06 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752998.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:105 Resp: 6593

Ion	Ratio	Lower	Upper
105	100		
120	50.5	48.0	72.0
91	11.1	58.3	87.5#

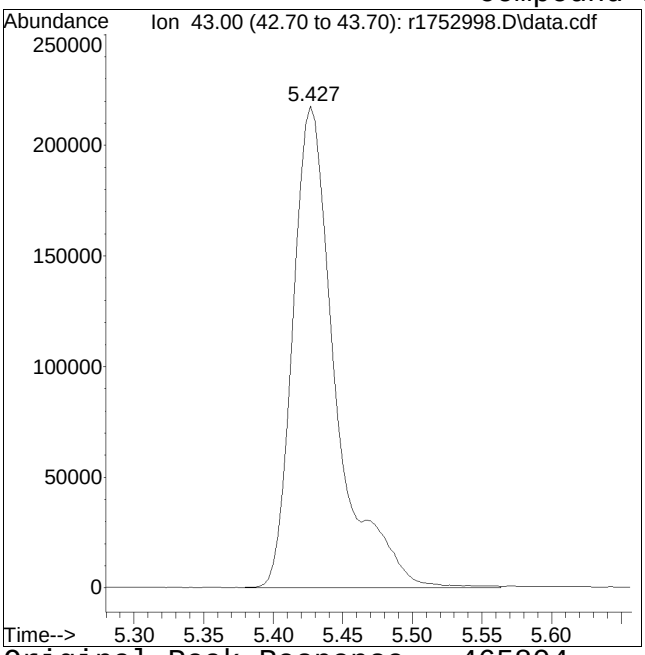


Manual Integration Report

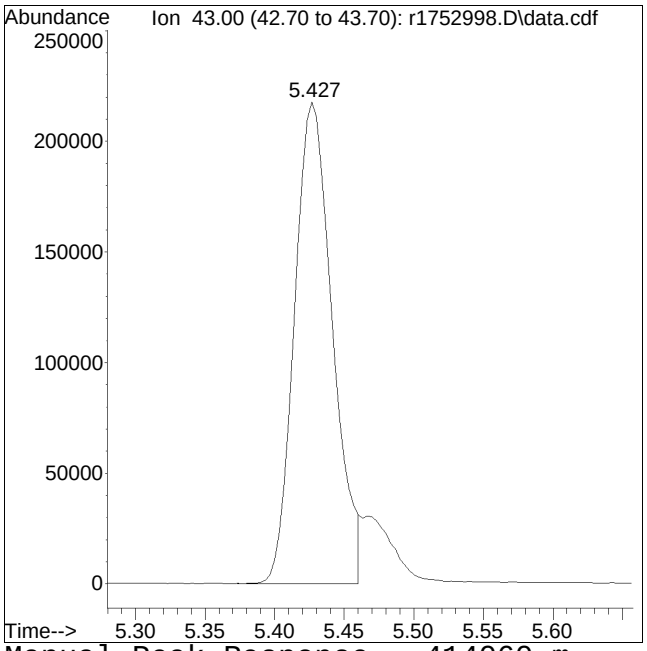
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752998.D
Date Inj'd : 12/19/2025 1:13 AM
Sample : L2577500-12,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:20 am

Compound #19: acetone



Original Peak Response = 465804



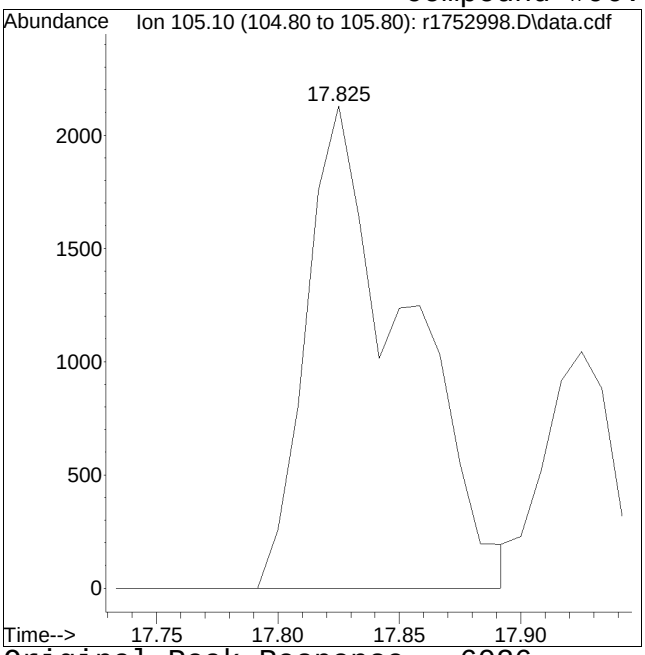
Manual Peak Response = 414060 m

Manual Integration Report

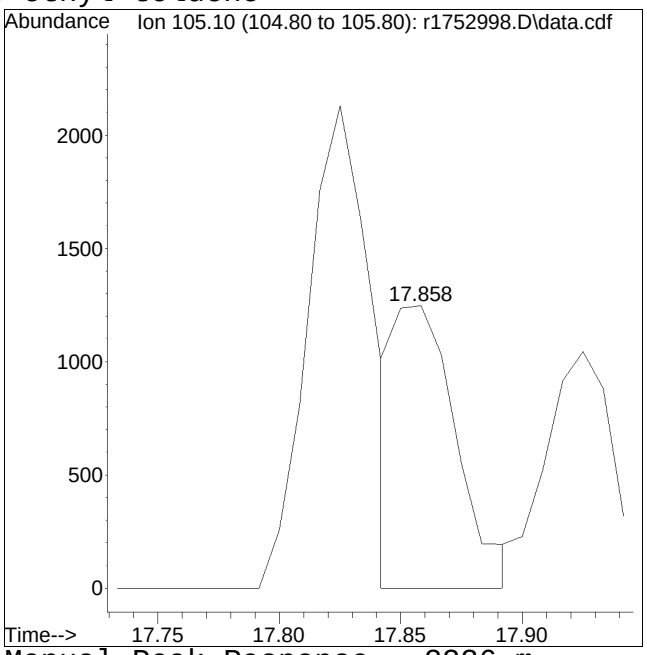
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752998.D
Date Inj'd : 12/19/2025 1:13 AM
Sample : L2577500-12,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:20 am

Compound #96: 4-ethyl toluene



Original Peak Response = 6026



Manual Peak Response = 2226 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237349.D
Acq On : 19 Dec 2025 01:48 am
Operator : AIRLAB23:TPH
Sample : L2577500-19,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 07:17:38 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.873	49	187714	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		91.12%	
43) 1,4-difluorobenzene	11.059	114	691686	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		83.90%	
67) chlorobenzene-D5	15.738	54	90976	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		88.52%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.874	85	22804	0.449	ppbV	100
6) chloromethane	4.044		0	N.D.		
7) Freon-114	4.144		0	N.D.		
9) vinyl chloride	4.261		0	N.D.		
10) 1,3-butadiene	4.395	54	10434M6	0.868	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	4.852	64	23926	2.183	ppbV	99
15) ethanol	4.998	31	659076	91.065	ppbV #	81
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	169597M6	9.252	ppbV	
21) trichlorofluoromethane	5.677	101	15579	0.288	ppbV	97
22) isopropyl alcohol	5.782	45	110566	5.730	ppbV	99
26) 1,1-dichloroethene	6.309		0	N.D.		
27) tertiary butyl alcohol	6.437	59	34152	1.411	ppbV #	91
28) methylene chloride	6.504	49	1019	0.063	ppbV	81
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.807	76	284341	6.560	ppbV	95
31) Freon 113	6.801	101	2640	0.061	ppbV	93
32) trans-1,2-dichloroethene	0.000		0	N.D.	d	
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	8.207	43	16242	0.694	ppbV	93
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.963	61	701	0.160	ppbV #	44
39) chloroform	9.020	83	68599	1.622	ppbV	99
40) Tetrahydrofuran	9.468	42	21317M4	1.763	ppbV	
42) 1,2-dichloroethane	9.843	62	92732	3.688	ppbV	98
44) hexane	8.938	57	11941	0.649	ppbV #	3

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237349.D
Acq On : 19 Dec 2025 01:48 am
Operator : AIRLAB23:TPH
Sample : L2577500-19,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 07:17:38 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.128	97	1898	0.045	ppbV #	90
50) benzene	10.644	78	30422	0.604	ppbV	98
52) carbon tetrachloride	10.814	117	5142	0.110	ppbV	90
53) cyclohexane	10.955	56	4651	0.252	ppbV #	86
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	11.860	88	1915	0.171	ppbV #	84
59) trichloroethene	11.851		0	N.D.		
60) 2,2,4-trimethylpentane	11.898	57	26132	0.460	ppbV	97
62) heptane	12.200	43	6397	0.367	ppbV #	83
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.899	43	6509	0.257	ppbV	94
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.975	91	107602	1.708	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.		
78) tetrachloroethene	15.151	166	56477	1.429	ppbV	98
80) chlorobenzene	15.791		0	N.D.		
81) ethylbenzene	16.113	91	45968	0.571	ppbV	99
83) m+p-xylene	16.261	91	155192	2.537	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.574	104	3345	0.070	ppbV	96
86) 1,1,2,2-tetrachloroethane	16.652		0	N.D.		
87) o-xylene	16.661	91	76024	1.230	ppbV	99
96) 4-ethyl toluene	17.680	105	15756M6	0.194	ppbV	
97) 1,3,5-trimethylbenzene	17.749	105	19013	0.278	ppbV	97
99) 1,2,4-trimethylbenzene	18.074	105	55340	0.756	ppbV #	57
101) Benzyl Chloride	18.178		0	N.D.		
102) 1,3-dichlorobenzene	18.258		0	N.D.		
103) 1,4-dichlorobenzene	18.258		0	N.D.		
107) 1,2-dichlorobenzene	18.537		0	N.D.		
115) 1,2,4-trichlorobenzene	19.924		0	N.D.		
116) naphthalene	20.076	128	5921	0.060	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\Airlab23\2025\12\1218T\
Data File : R237349.D
Acq On : 19 Dec 2025 01:48 am
Operator : AIRLAB23:TPH
Sample : L2577500-19,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 07:17:38 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

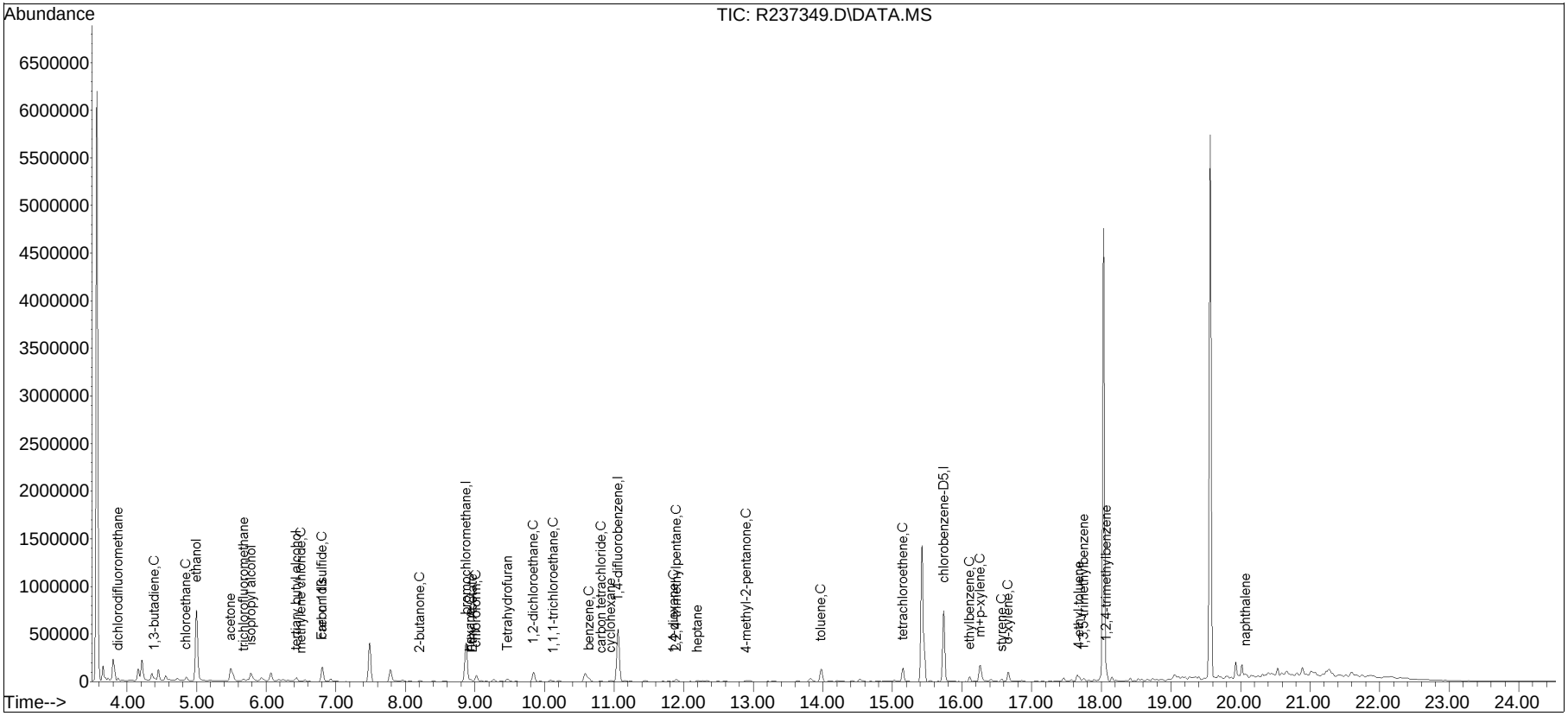
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

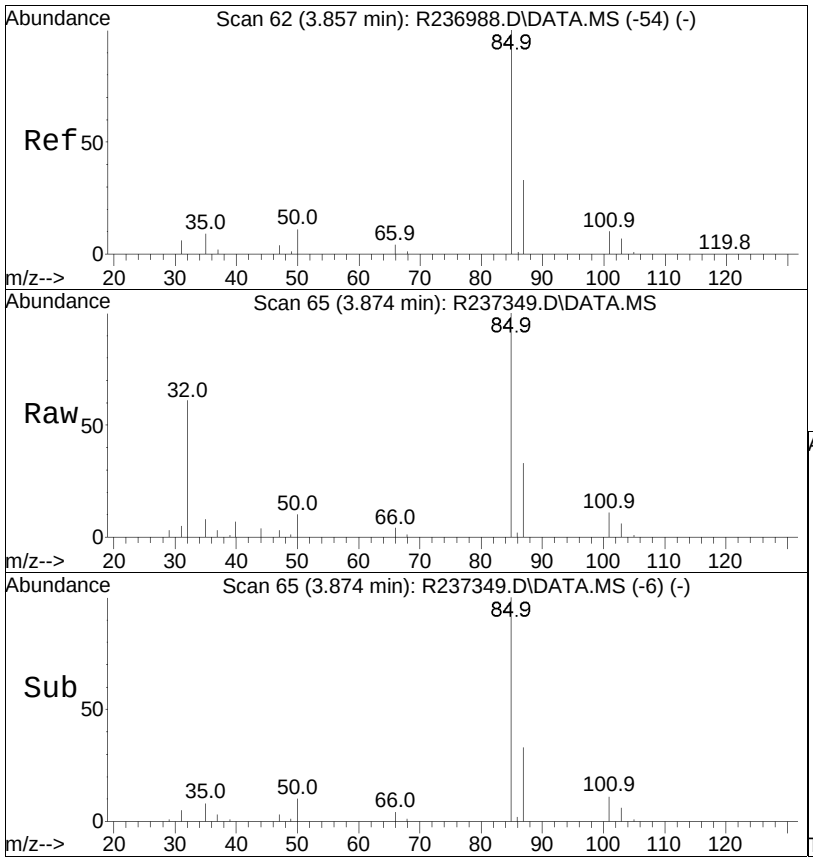
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237349.D
Acq On : 19 Dec 2025 01:48 am
Operator : AIRLAB23:TPH
Sample : L2577500-19,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 07:17:38 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

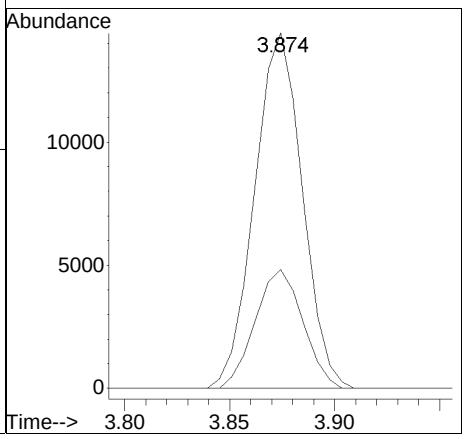


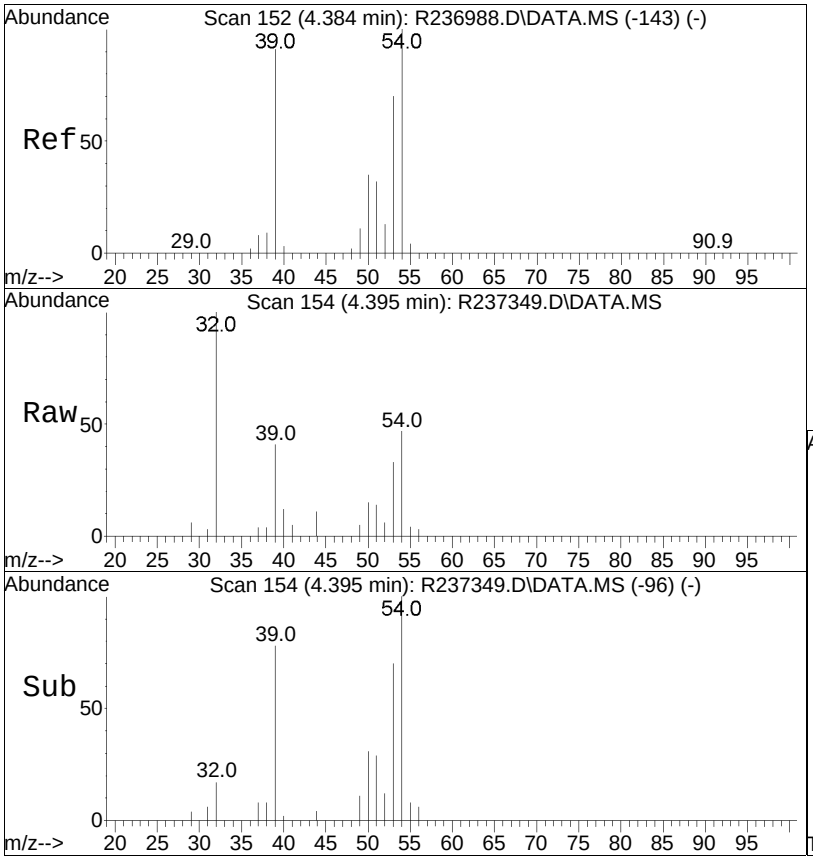


#5
dichlorodifluoromethane
Concen: 0.45 ppbV
RT: 3.874 min Scan# 65
Delta R.T. 0.018 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 85 Resp: 22804

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.8	40.2

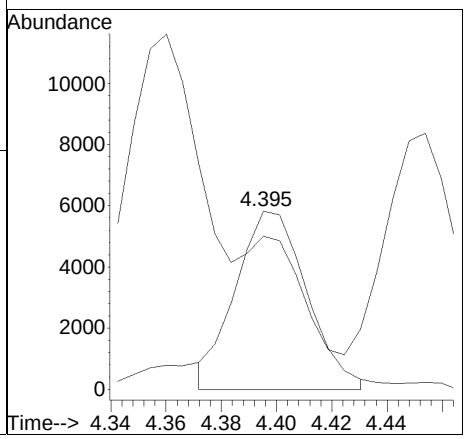


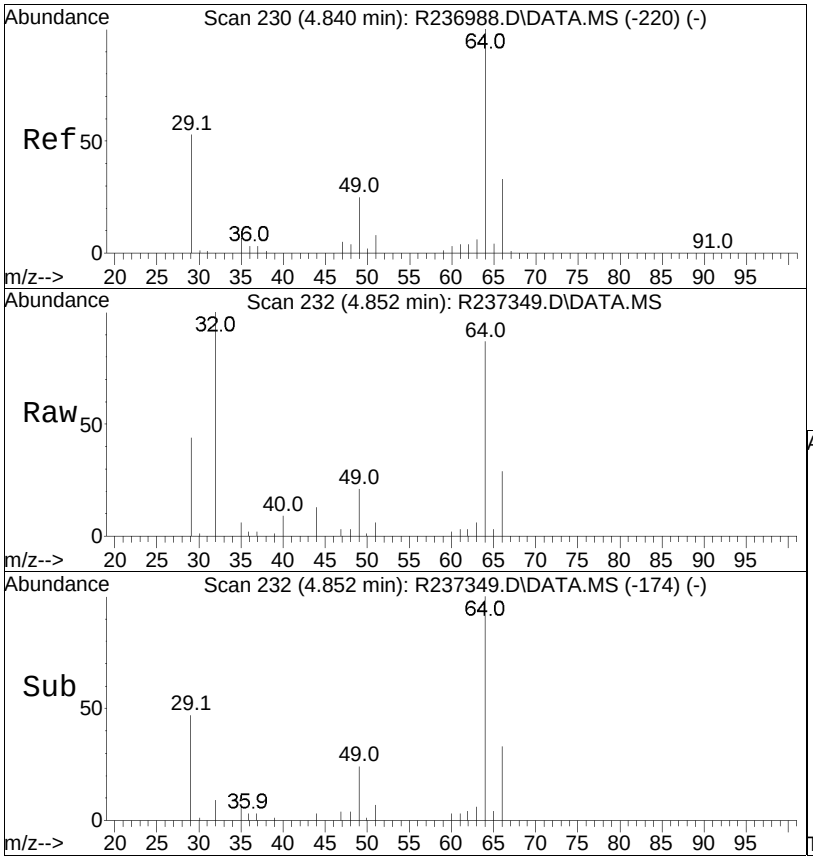


#10
1,3-butadiene
Concen: 0.87 ppbV m
RT: 4.395 min Scan# 154
Delta R.T. 0.012 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 54 Resp: 10434

Ion	Ratio	Lower	Upper
54	100		
39	86.0	73.1	109.7

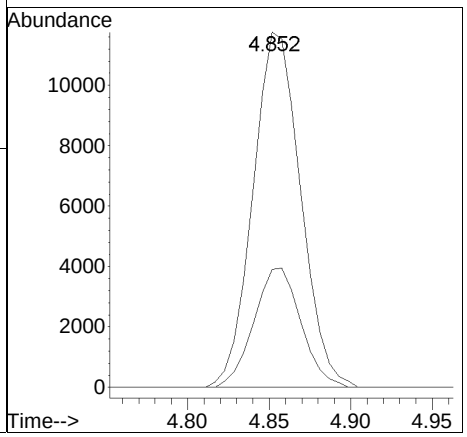


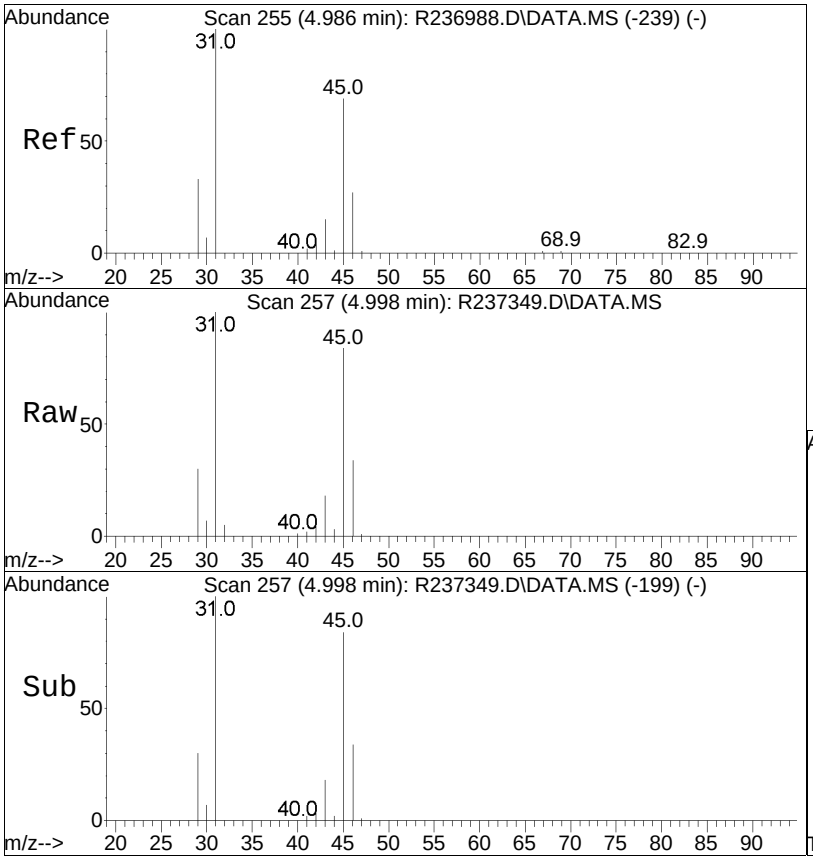


#14
chloroethane
Concen: 2.18 ppbV
RT: 4.852 min Scan# 232
Delta R.T. 0.012 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 64 Resp: 23926

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.0	39.0

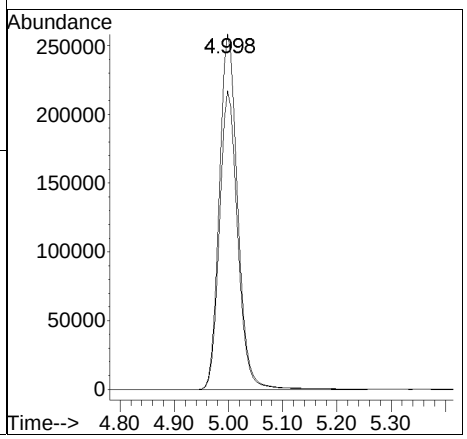


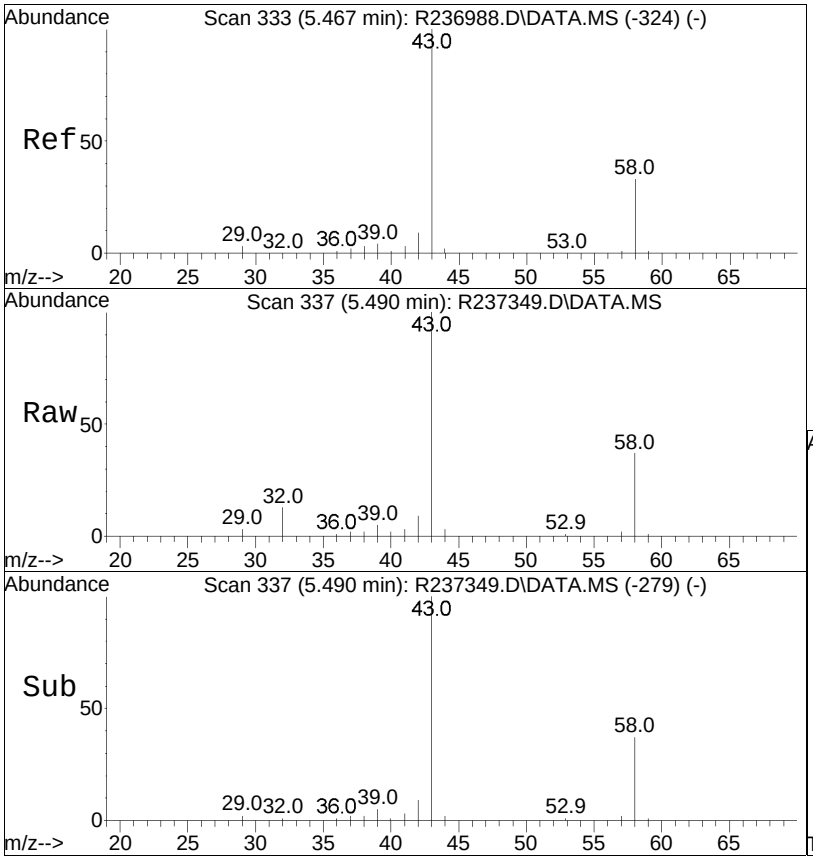


#15
ethanol
Concen: 91.06 ppbV
RT: 4.998 min Scan# 257
Delta R.T. 0.012 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 31 Resp: 659076

Ion	Ratio	Lower	Upper
31	100		
45	84.1	55.0	82.6#

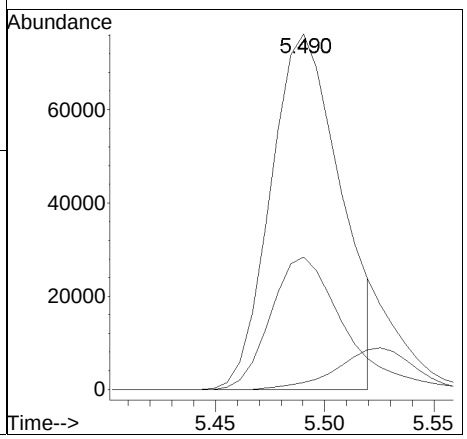


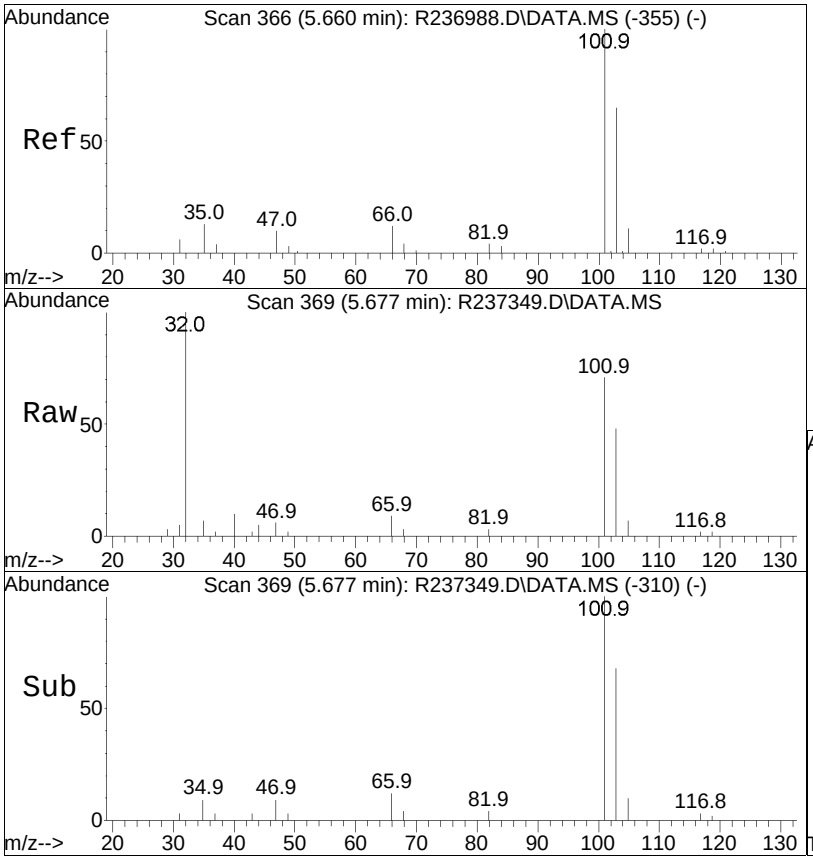


#19
acetone
Concen: 9.25 ppbV m
RT: 5.490 min Scan# 337
Delta R.T. 0.023 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 43 Resp: 169597

Ion	Ratio	Lower	Upper
43	100		
58	37.3	26.2	39.4
57	2.0	0.7	1.1#

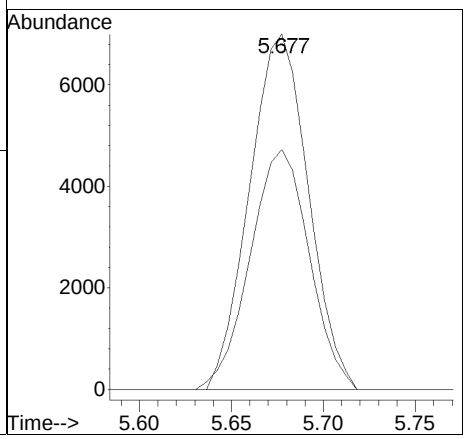


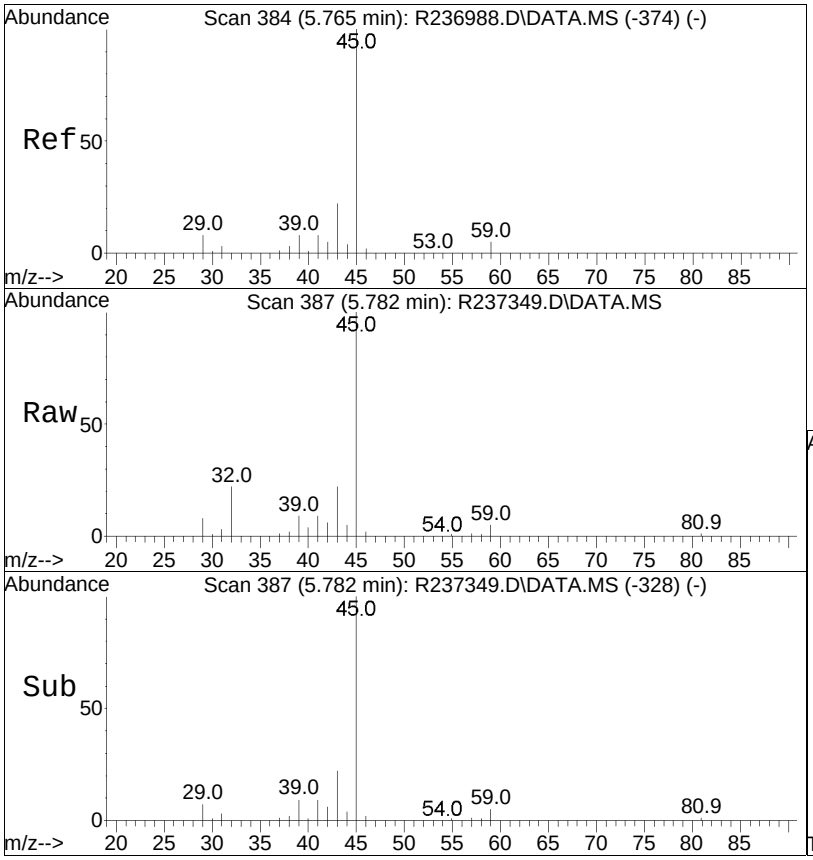


#21
trichlorofluoromethane
Concen: 0.29 ppbV
RT: 5.677 min Scan# 369
Delta R.T. 0.017 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:101 Resp: 15579

Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.1	78.1

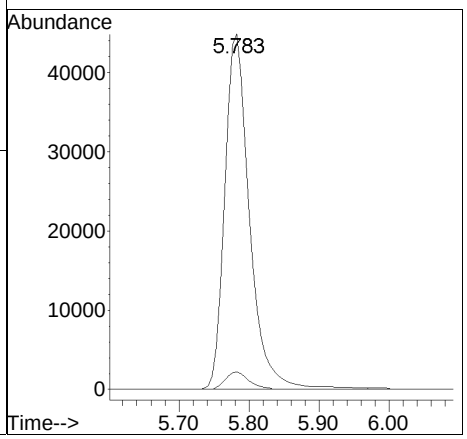


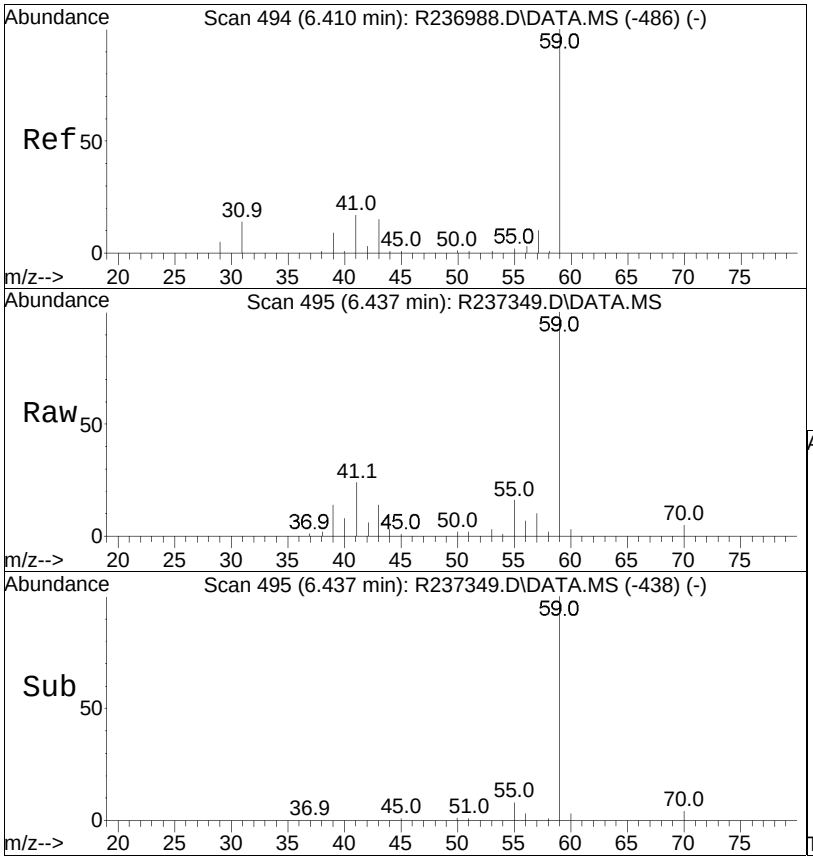


#22
isopropyl alcohol
Concen: 5.73 ppbV
RT: 5.782 min Scan# 387
Delta R.T. 0.017 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 45 Resp: 110566

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.8	5.6

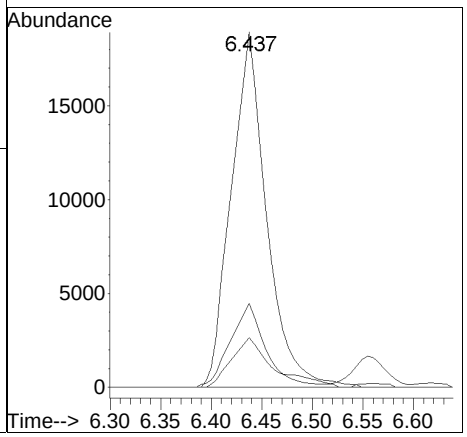


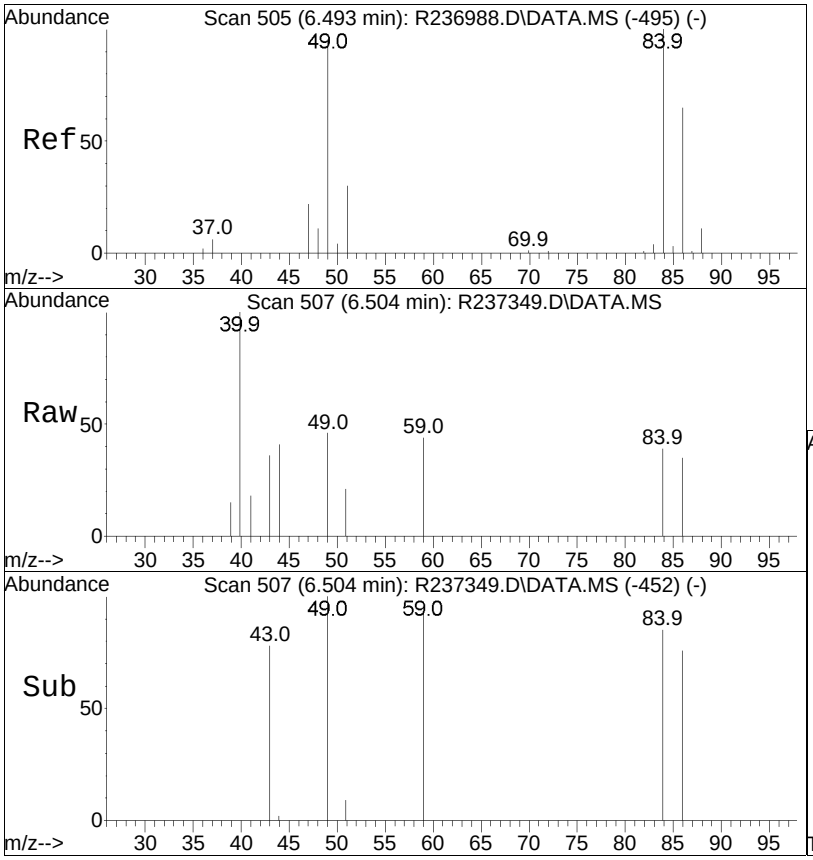


#27
tertiary butyl alcohol
Concen: 1.41 ppbV
RT: 6.437 min Scan# 495
Delta R.T. 0.027 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 59 Resp: 34152

Ion	Ratio	Lower	Upper
59	100		
41	23.6	13.6	20.4#
43	14.0	11.7	17.5

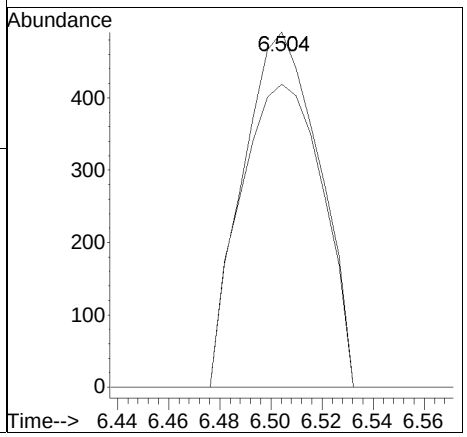


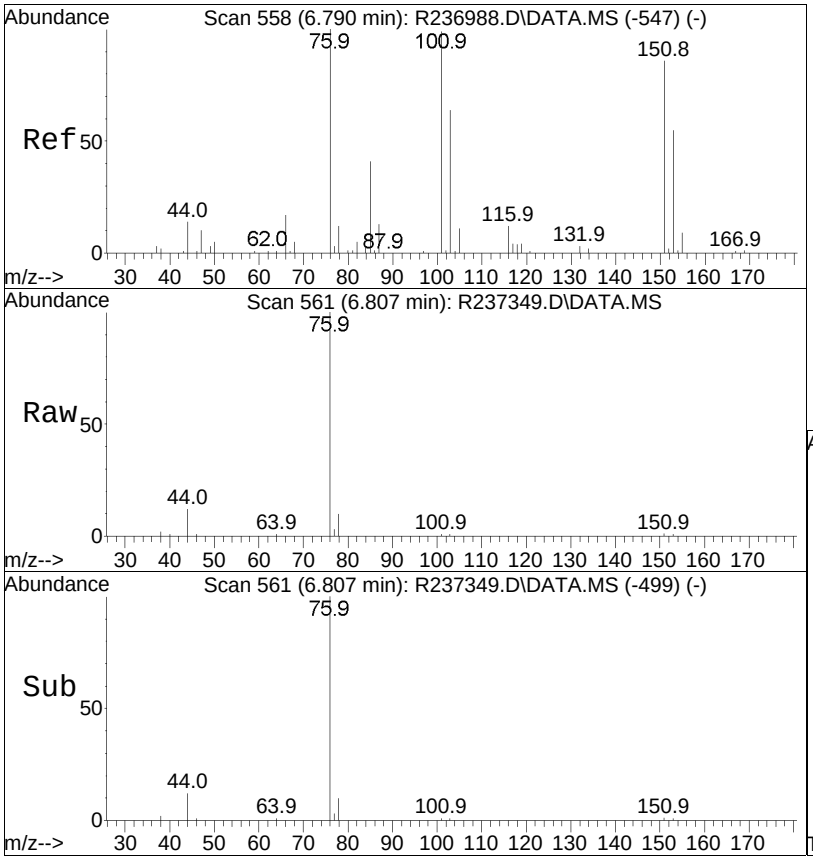


#28
methylene chloride
Concen: 0.06 ppbV
RT: 6.504 min Scan# 507
Delta R.T. 0.011 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 49 Resp: 1019

Ion	Ratio	Lower	Upper
49	100		
84	85.3	83.7	125.5

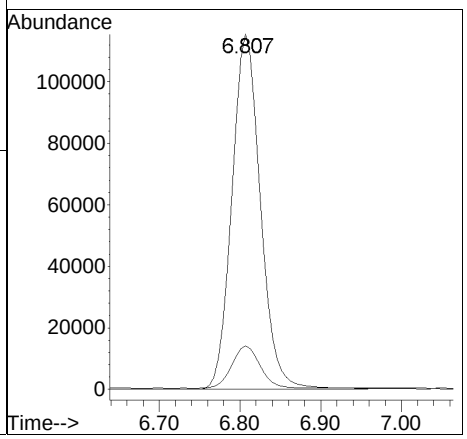


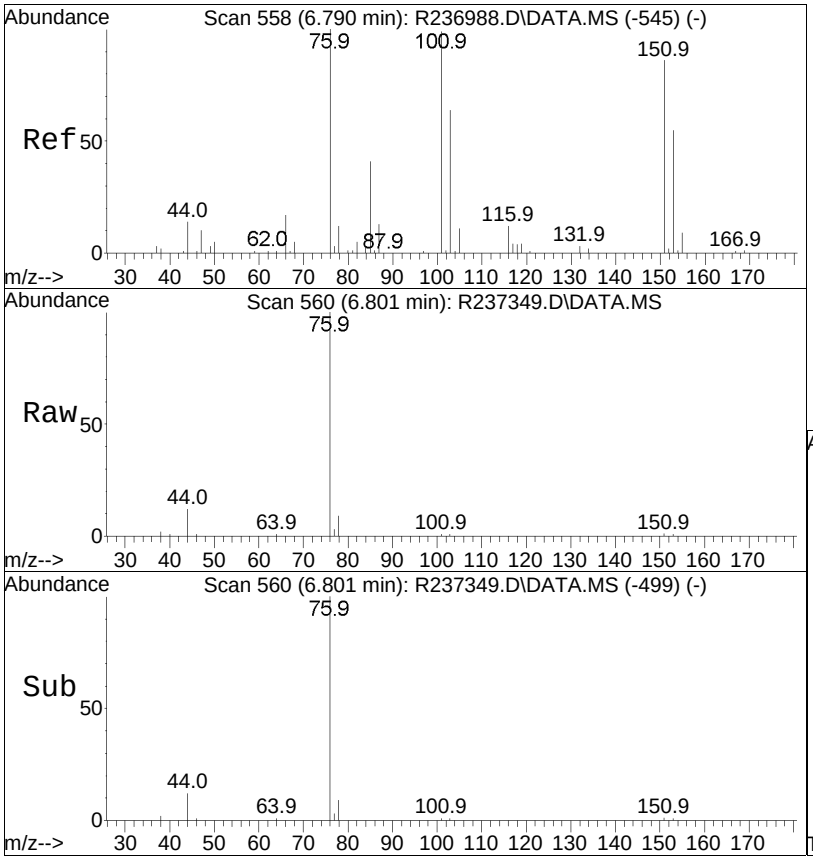


#30
carbon disulfide
Concen: 6.56 ppbV
RT: 6.807 min Scan# 561
Delta R.T. 0.016 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 76 Resp: 284341

Ion	Ratio	Lower	Upper
76	100		
44	12.3	11.5	17.3

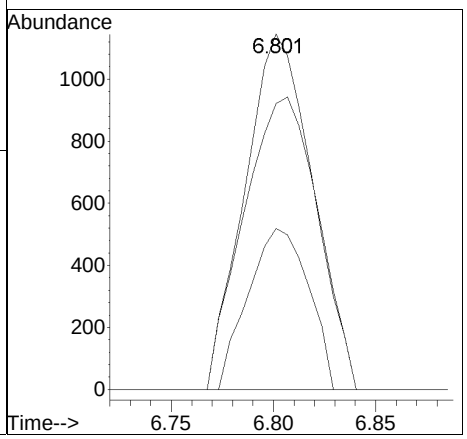


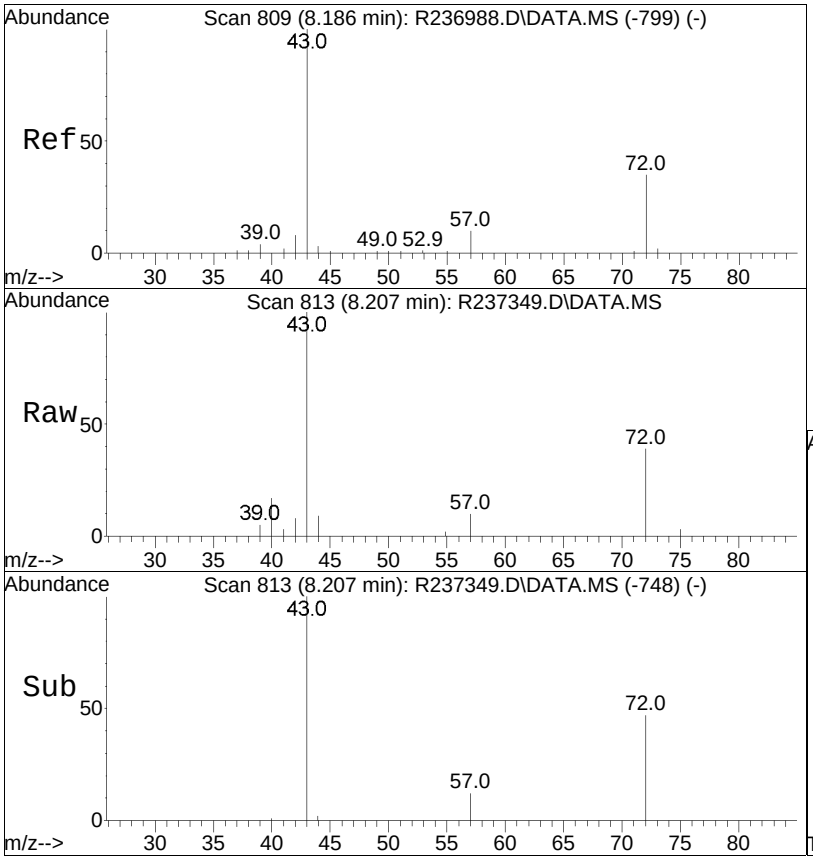


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.801 min Scan# 560
Delta R.T. 0.011 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:101 Resp: 2640

Ion	Ratio	Lower	Upper
101	100		
85	45.3	33.0	49.6
151	80.4	69.8	104.8

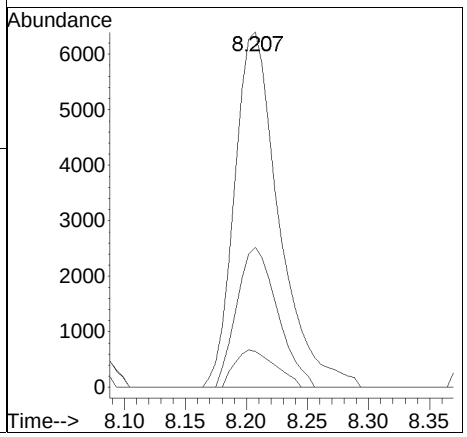


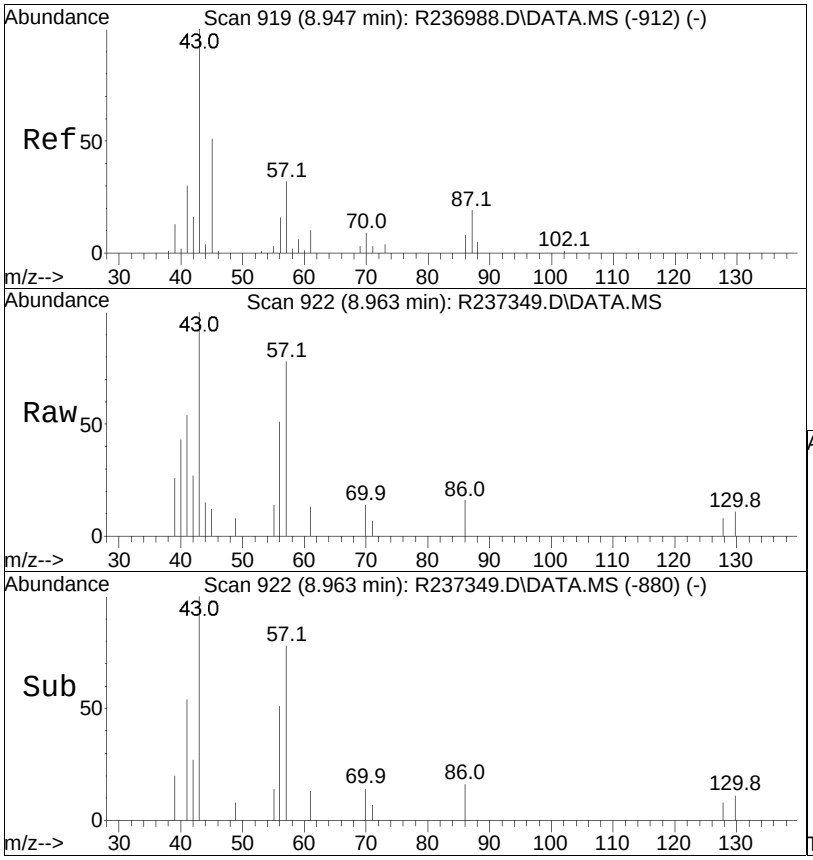


#36
2-butanone
Concen: 0.69 ppbV
RT: 8.207 min Scan# 813
Delta R.T. 0.021 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 43 Resp: 16242

Ion	Ratio	Lower	Upper
43	100		
72	39.5	27.8	41.6
57	10.2	7.7	11.5

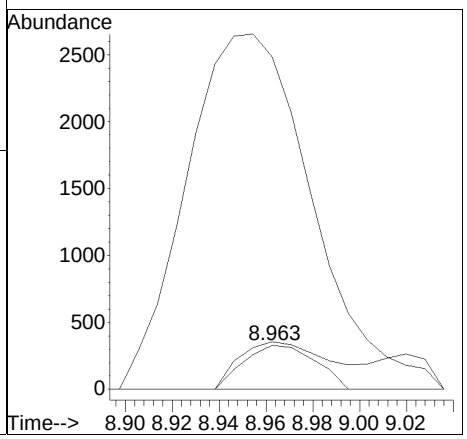


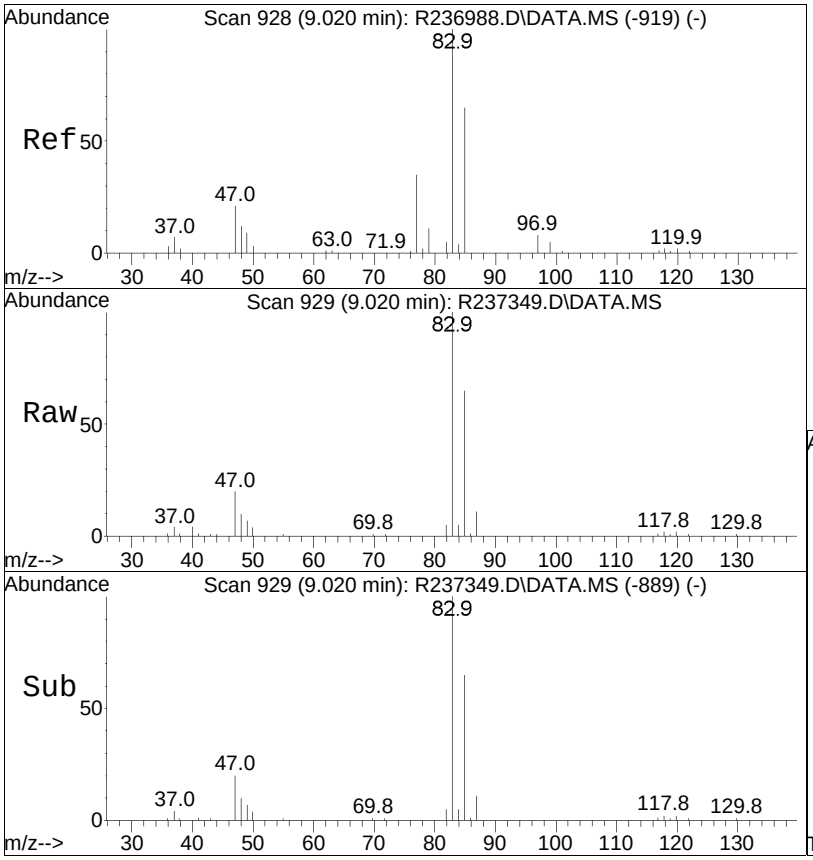


#38
Ethyl Acetate
Concen: 0.16 ppbV
RT: 8.963 min Scan# 922
Delta R.T. 0.016 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 61 Resp: 701

Ion	Ratio	Lower	Upper
61	100		
70	108.2	72.2	108.2
43	755.0	818.1	1227.1#

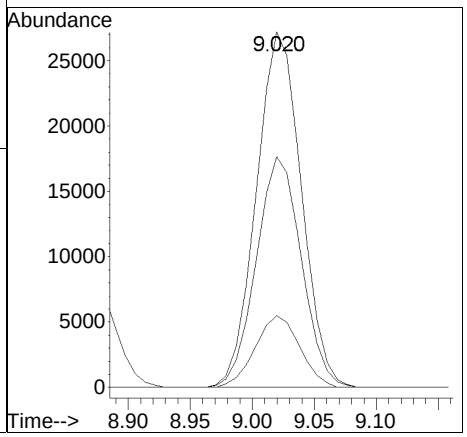


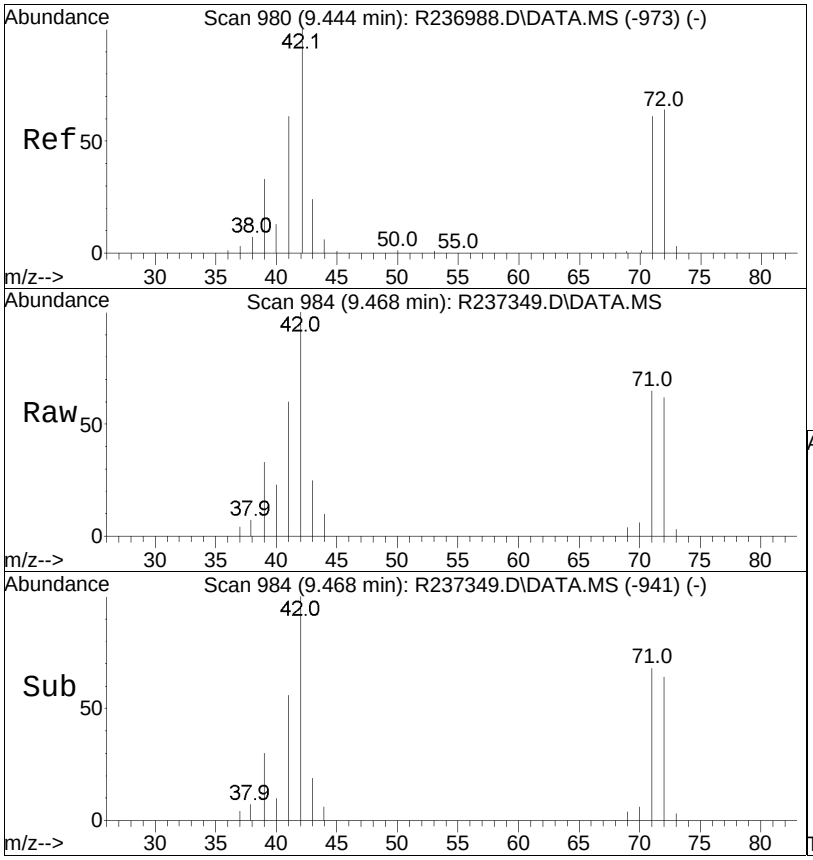


#39
chloroform
Concen: 1.62 ppbV
RT: 9.020 min Scan# 929
Delta R.T. -0.001 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 83 Resp: 68599

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5
47	20.2	17.1	25.7

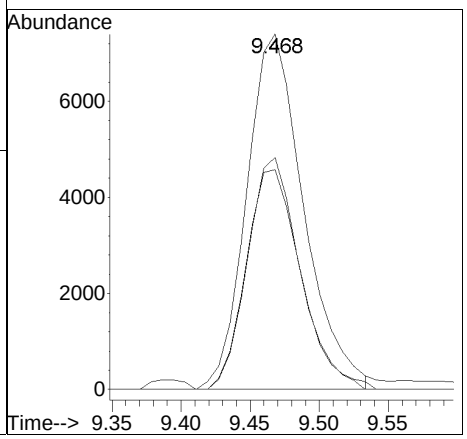


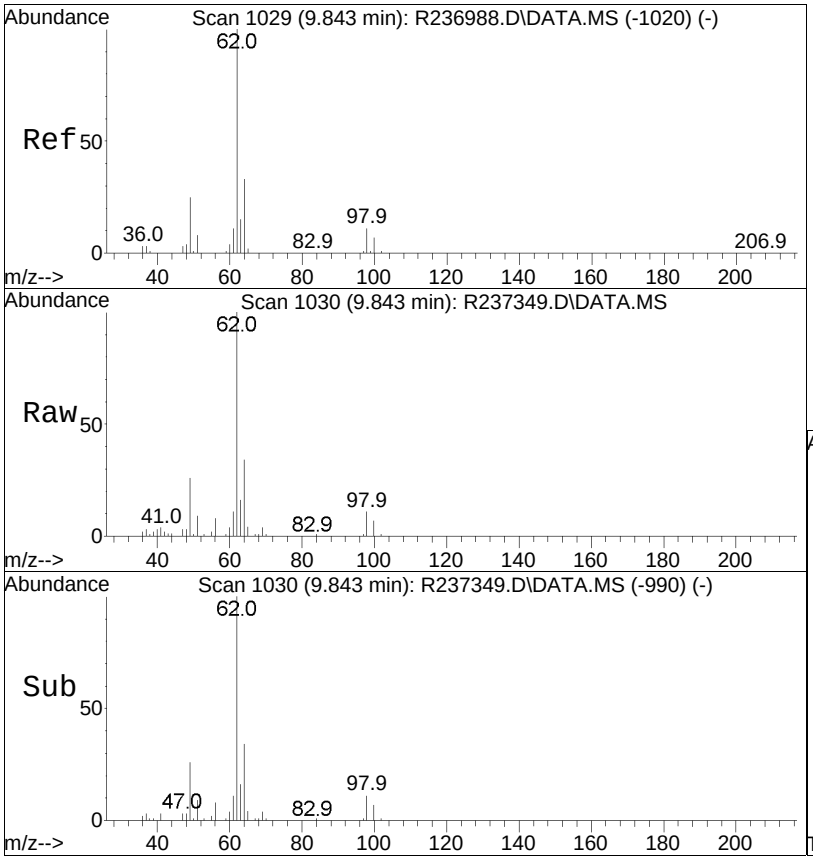


#40
Tetrahydrofuran
Concen: 1.76 ppbV m
RT: 9.468 min Scan# 984
Delta R.T. 0.024 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 42 Resp: 21317

Ion	Ratio	Lower	Upper
42	100		
71	65.3	48.6	72.8
72	61.8	51.2	76.8

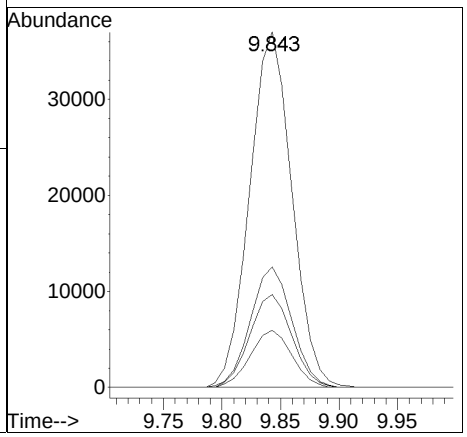


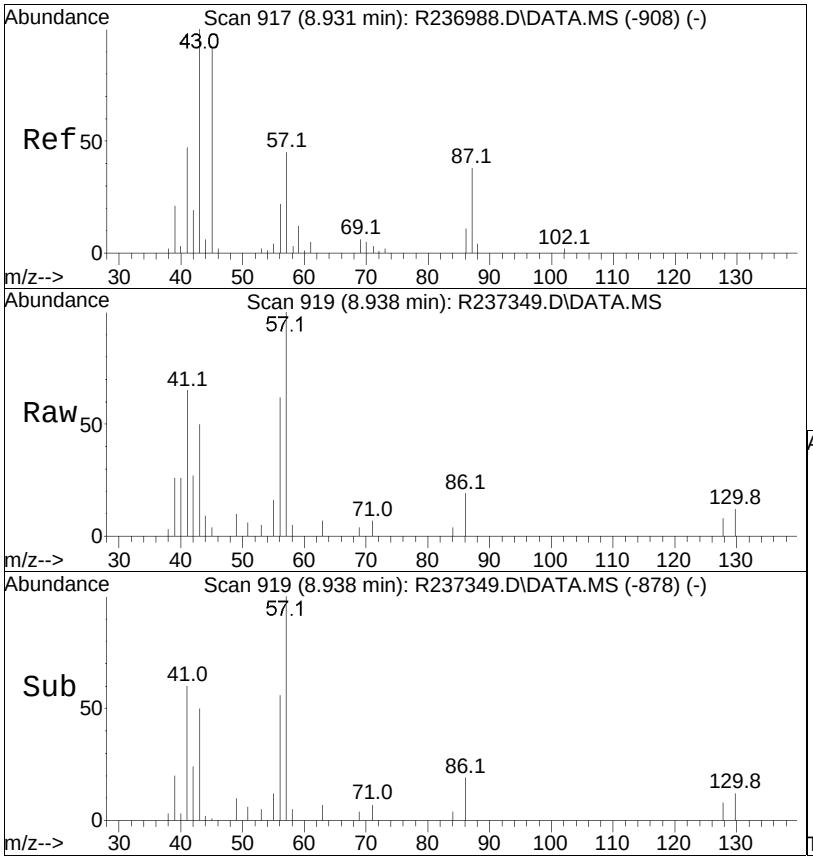


#42
1,2-dichloroethane
Concen: 3.69 ppbV
RT: 9.843 min Scan# 1030
Delta R.T. -0.001 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 62 Resp: 92732

Ion	Ratio	Lower	Upper
62	100		
64	33.9	26.2	39.4
49	26.1	20.2	30.2
63	16.1	12.4	18.6

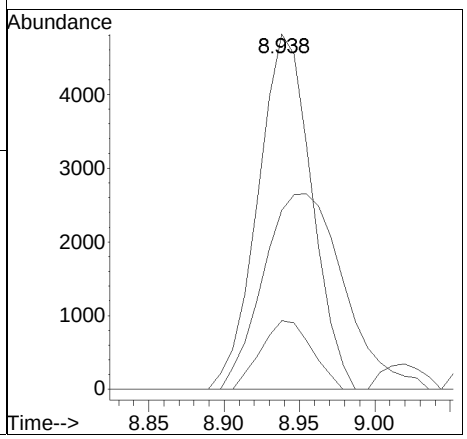


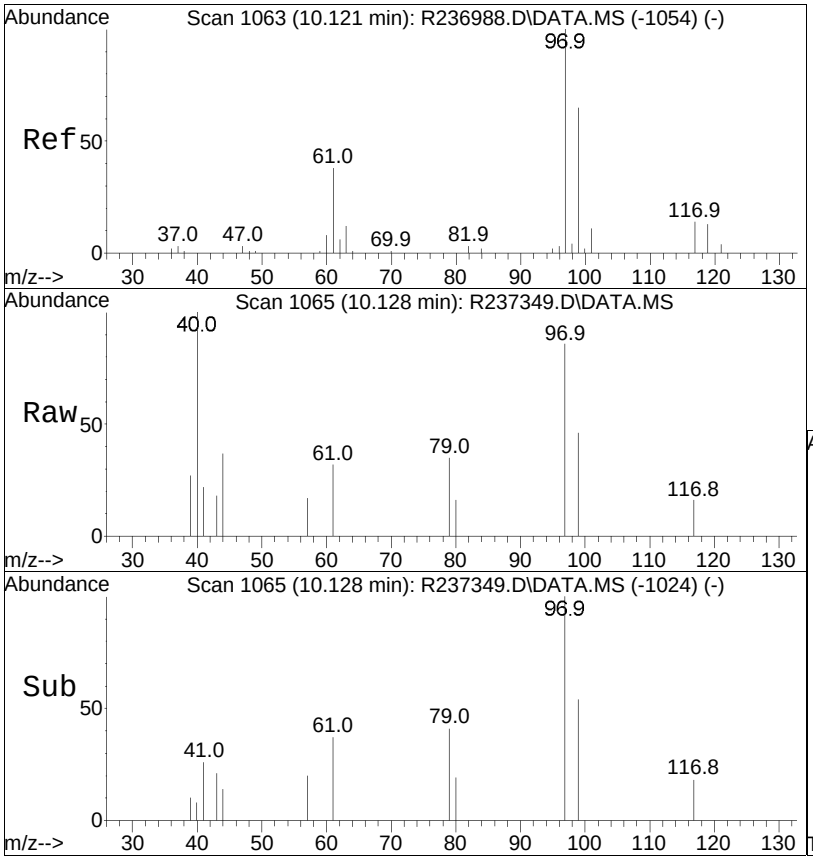


#44
hexane
Concen: 0.65 ppbV
RT: 8.938 min Scan# 919
Delta R.T. 0.008 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 57 Resp: 11941

Ion	Ratio	Lower	Upper
57	100		
43	50.4	177.1	265.7#
86	19.3	18.6	28.0

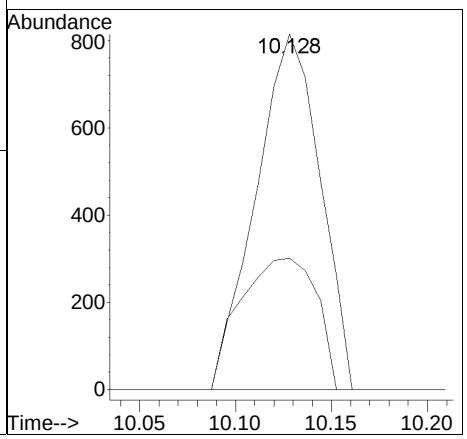


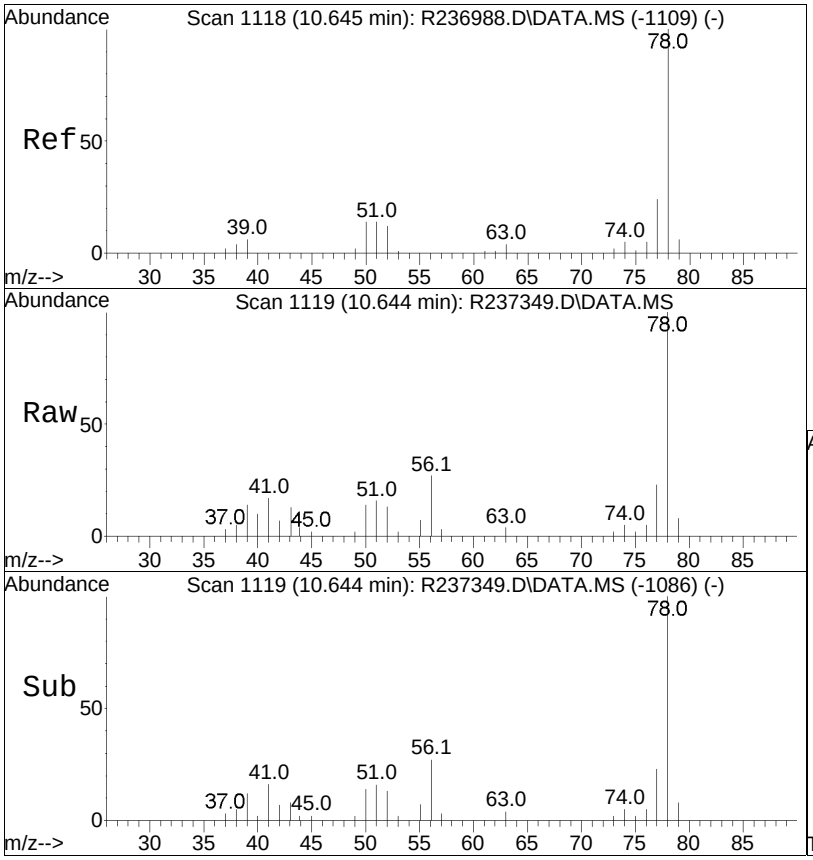


#48
1,1,1-trichloroethane
Concen: 0.04 ppbV
RT: 10.128 min Scan# 1065
Delta R.T. 0.008 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 97 Resp: 1898

Ion	Ratio	Lower	Upper
97	100		
61	36.9	30.1	45.1
119	0.0	10.7	16.1#

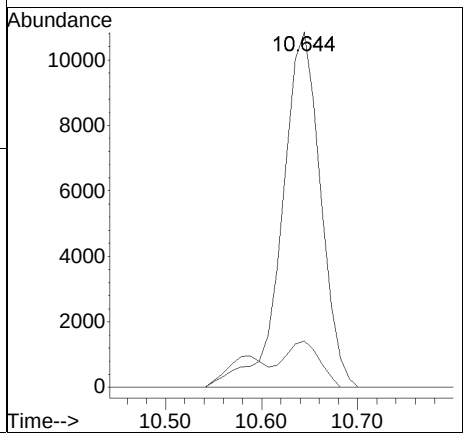


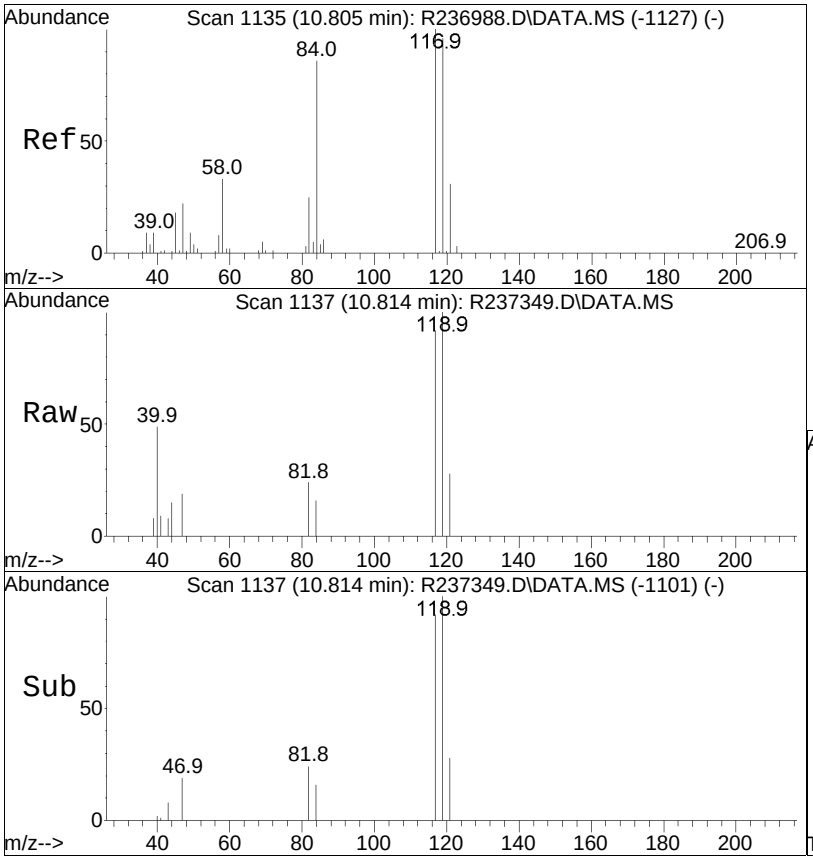


#50
benzene
Concen: 0.60 ppbV
RT: 10.644 min Scan# 1119
Delta R.T. -0.001 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 78 Resp: 30422

Ion	Ratio	Lower	Upper
78	100		
52	13.1	9.9	14.9

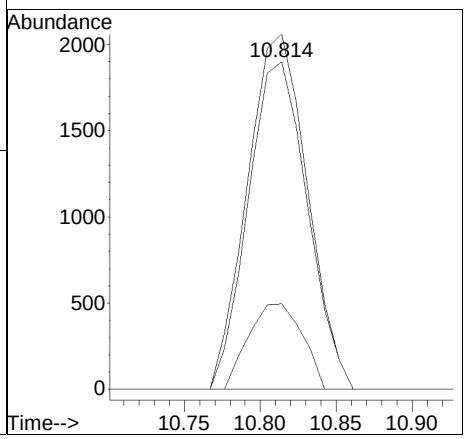


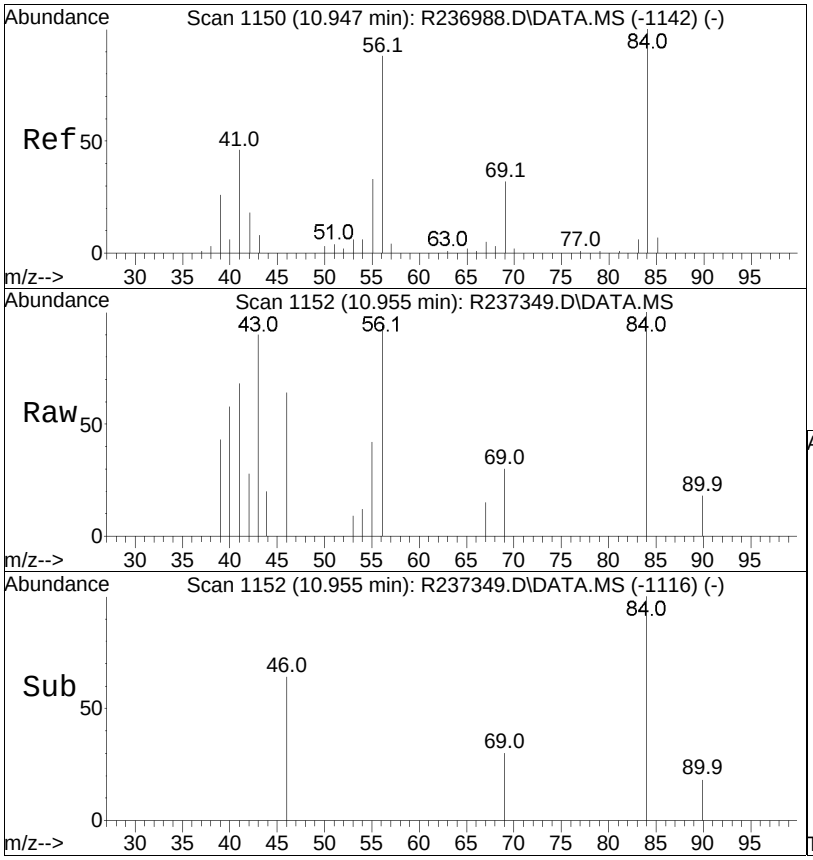


#52
carbon tetrachloride
Concen: 0.11 ppbV
RT: 10.814 min Scan# 1137
Delta R.T. 0.009 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:117 Resp: 5142

Ion	Ratio	Lower	Upper
117	100		
119	108.4	76.9	115.3
82	26.1	20.0	30.0

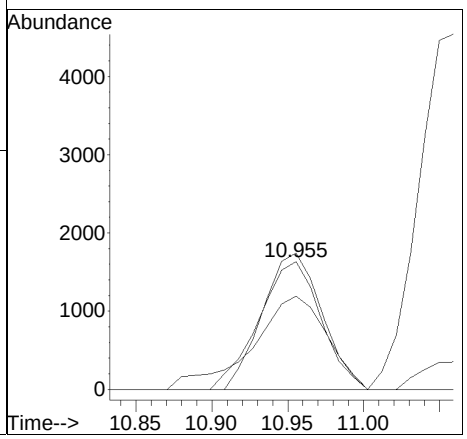


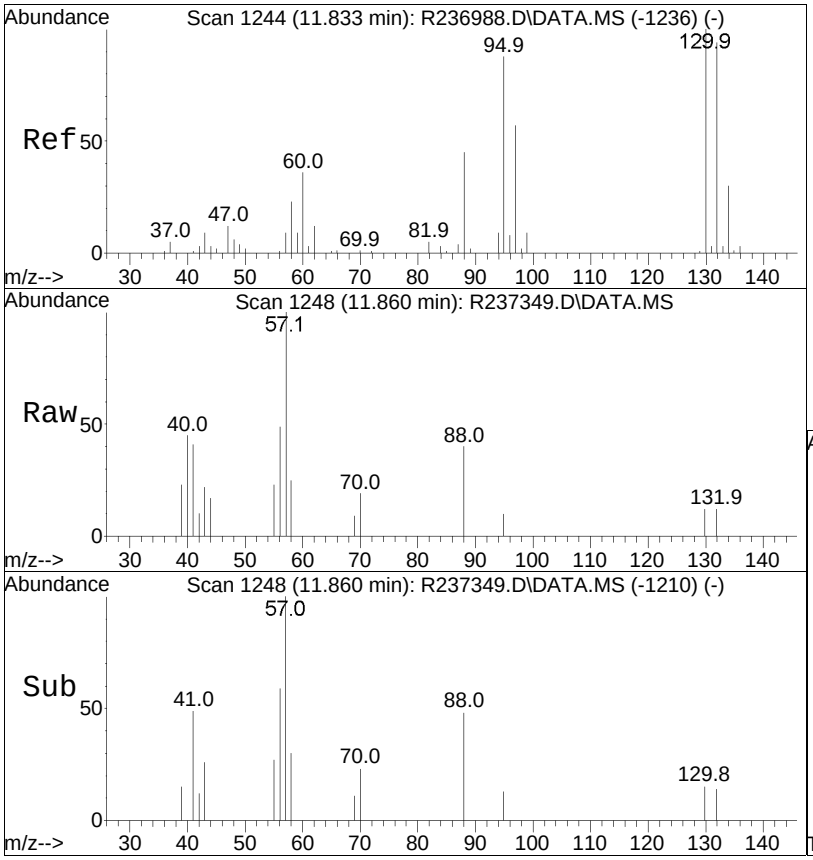


#53
cyclohexane
Concen: 0.25 ppbV
RT: 10.955 min Scan# 1152
Delta R.T. 0.009 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 56 Resp: 4651

Ion	Ratio	Lower	Upper
56	100		
84	106.7	91.1	136.7
41	73.0	42.2	63.2#

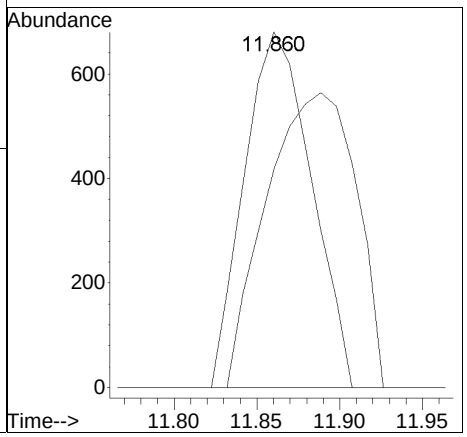


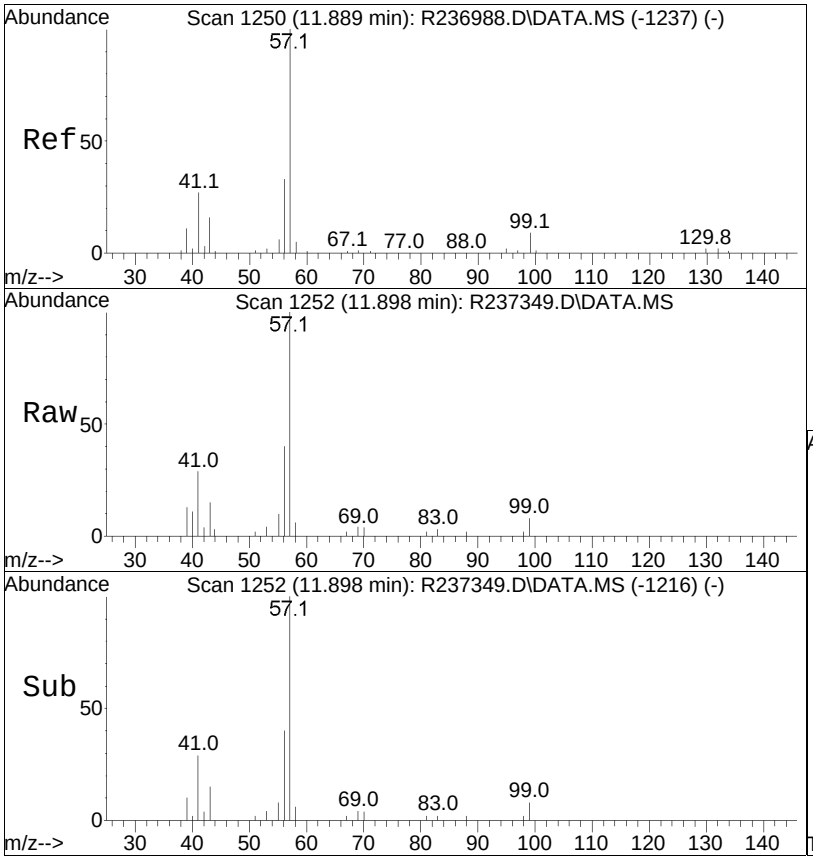


#58
1,4-dioxane
Concen: 0.17 ppbV
RT: 11.860 min Scan# 1248
Delta R.T. 0.028 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 88 Resp: 1915

Ion	Ratio	Lower	Upper
88	100		
58	61.5	40.1	60.1#

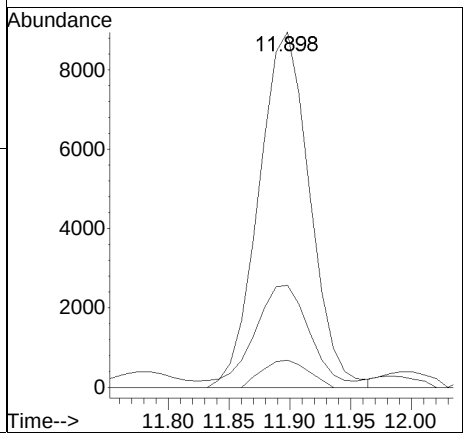


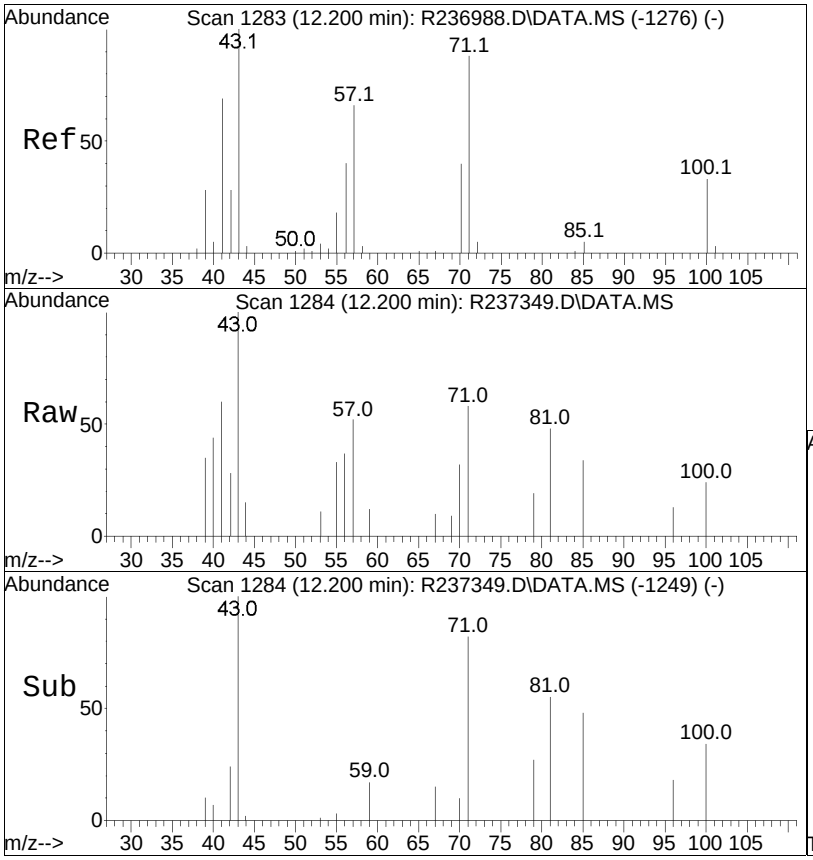


#60
2,2,4-trimethylpentane
Concen: 0.46 ppbV
RT: 11.898 min Scan# 1252
Delta R.T. 0.009 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 57 Resp: 26132

Ion	Ratio	Lower	Upper
57	100		
99	7.7	6.8	10.2
41	28.8	21.8	32.8

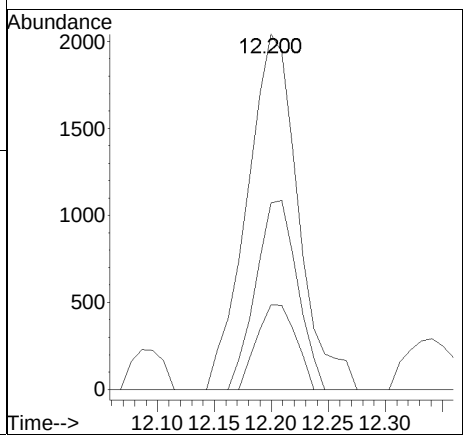


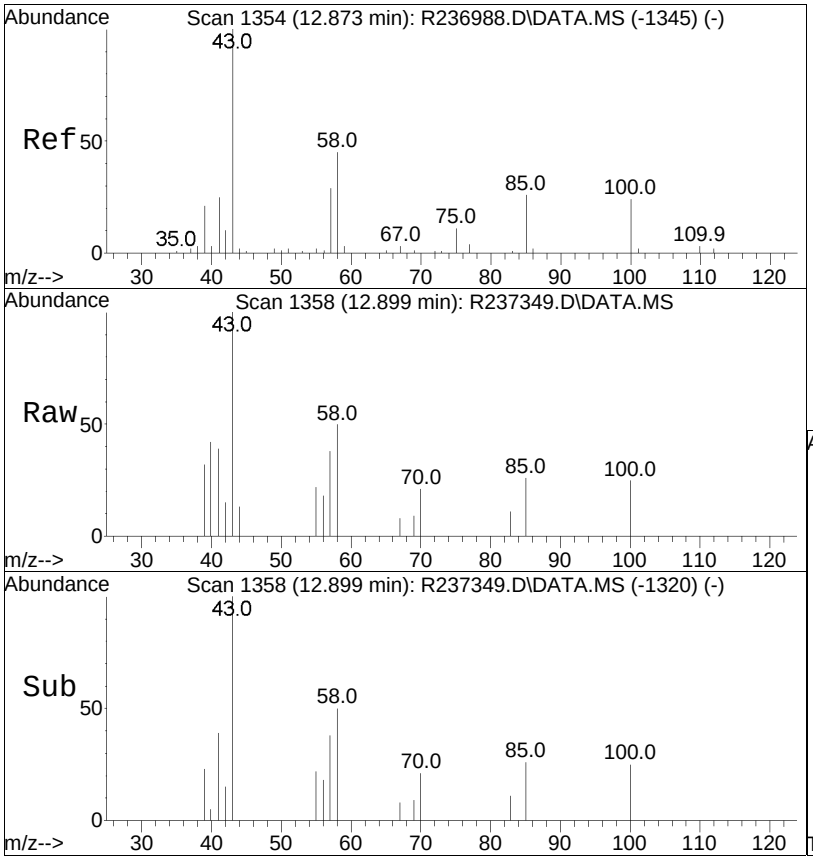


#62
heptane
Concen: 0.37 ppbV
RT: 12.200 min Scan# 1284
Delta R.T. -0.001 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 43 Resp: 6397

Ion	Ratio	Lower	Upper
43	100		
57	52.5	52.8	79.2#
100	23.8	26.8	40.2#

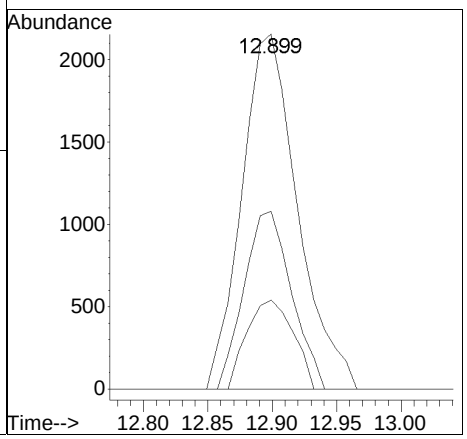


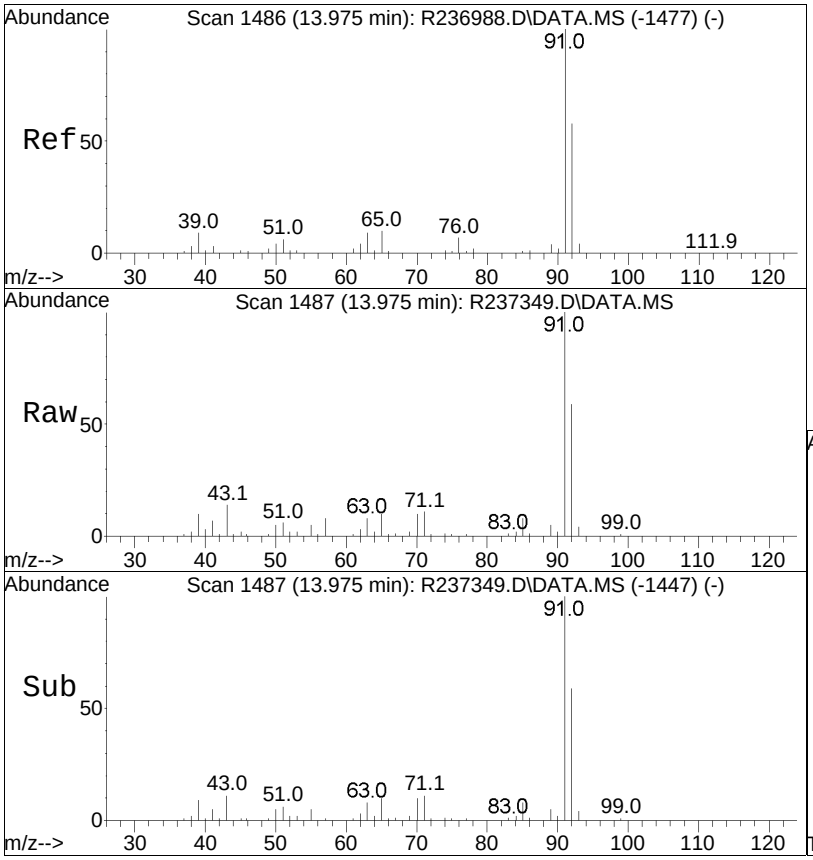


#64
4-methyl-2-pentanone
Concen: 0.26 ppbV
RT: 12.899 min Scan# 1358
Delta R.T. 0.025 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 43 Resp: 6509

Ion	Ratio	Lower	Upper
43	100		
58	50.1	35.7	53.5
100	25.1	19.0	28.6

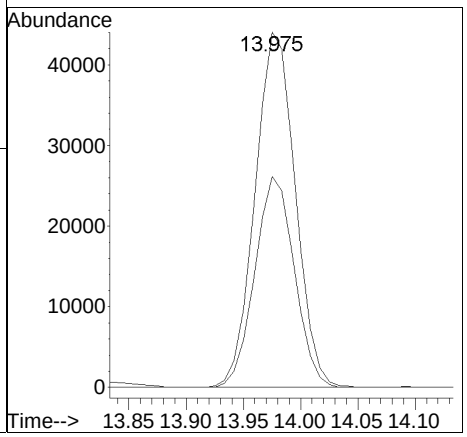


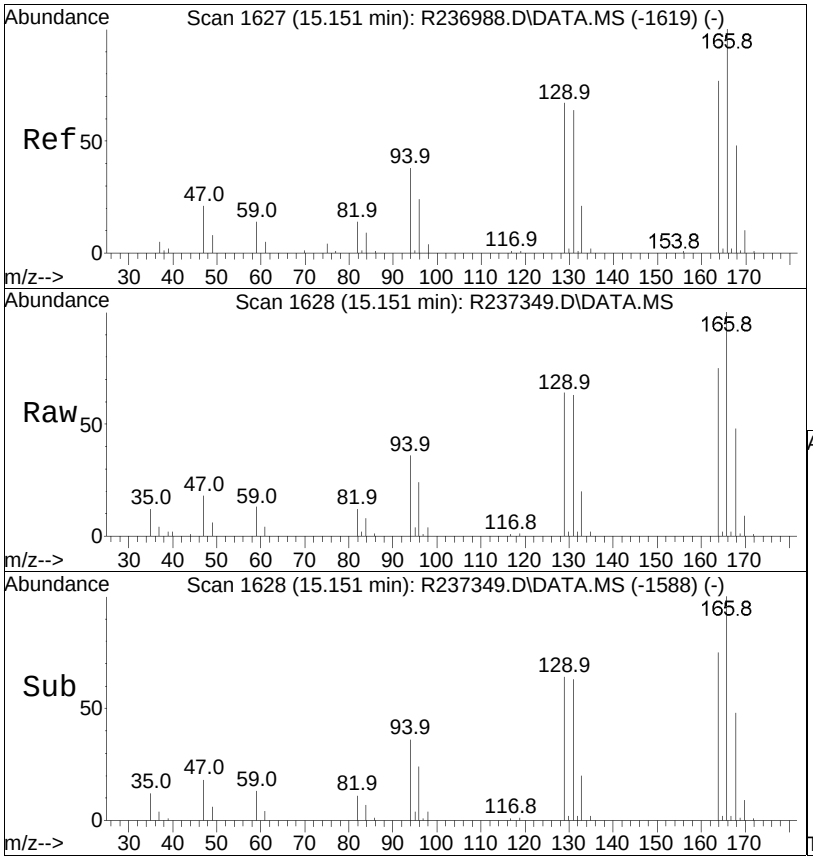


#68
toluene
Concen: 1.71 ppbV
RT: 13.975 min Scan# 1487
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 91 Resp: 107602

Ion	Ratio	Lower	Upper
91	100		
92	59.4	46.6	70.0

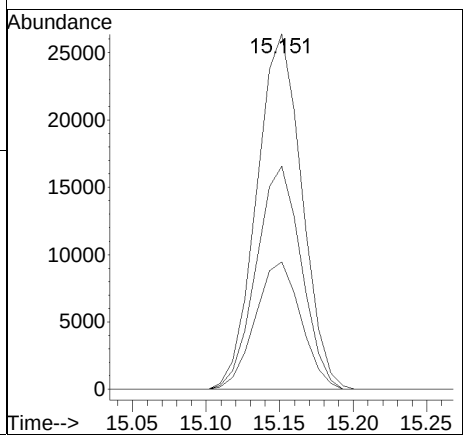


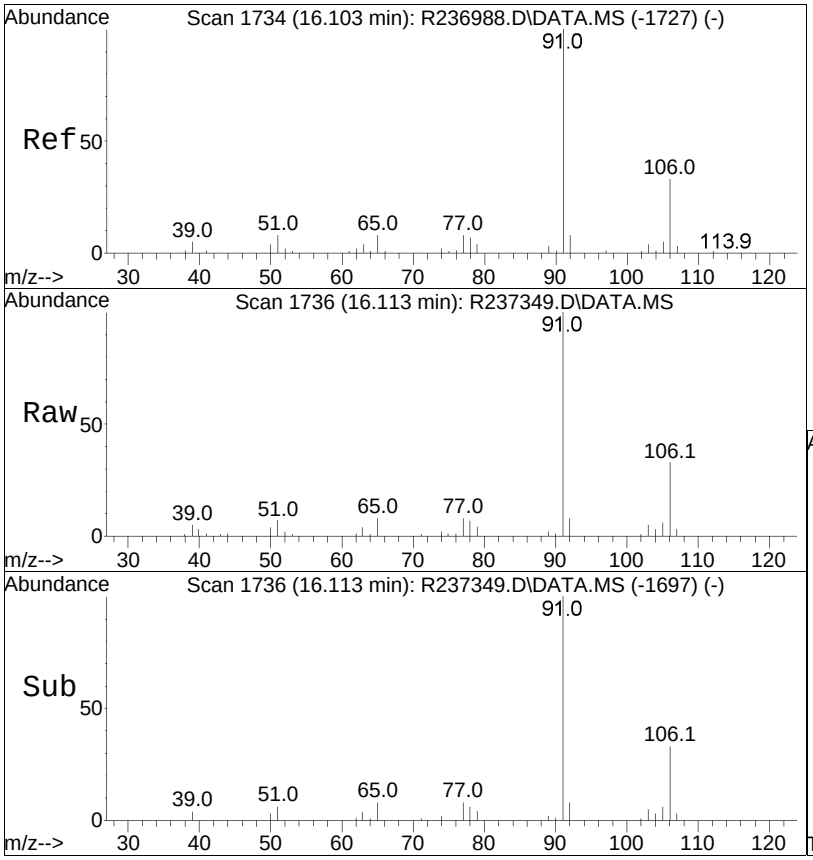


#78
tetrachloroethene
Concen: 1.43 ppbV
RT: 15.151 min Scan# 1628
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:166 Resp: 56477

Ion	Ratio	Lower	Upper
166	100		
131	62.8	51.4	77.0
94	35.9	30.2	45.2

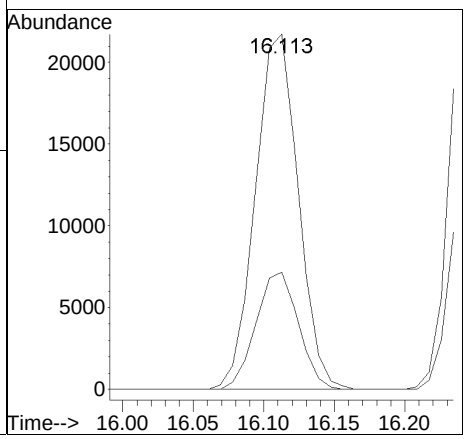


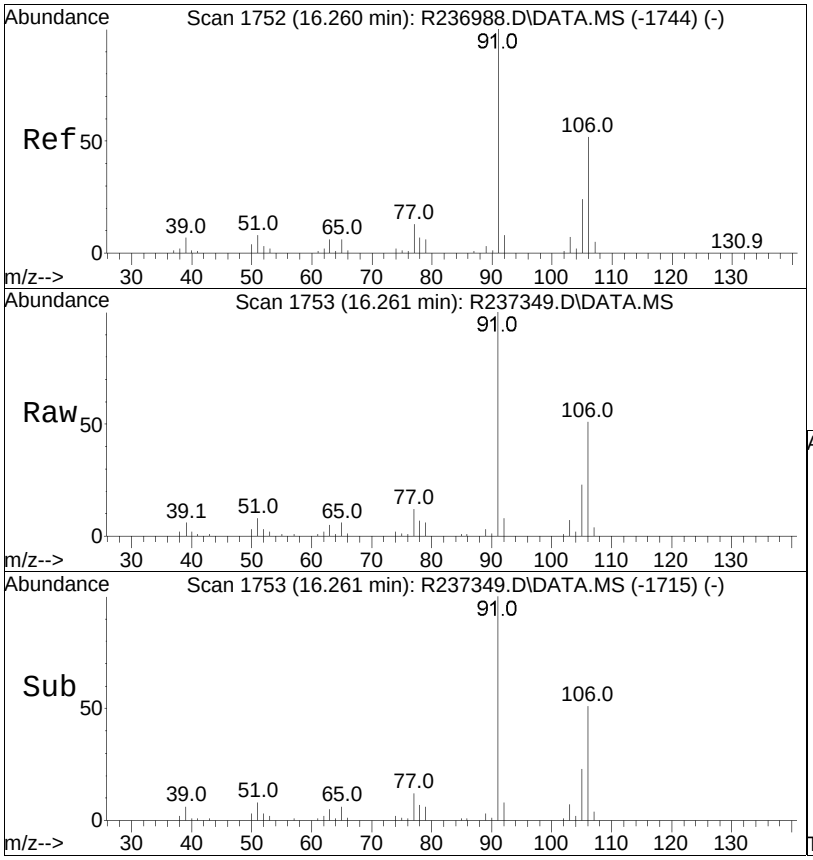


#81
ethylbenzene
Concen: 0.57 ppbV
RT: 16.113 min Scan# 1736
Delta R.T. 0.009 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 91 Resp: 45968

Ion	Ratio	Lower	Upper
91	100		
106	33.0	26.6	40.0

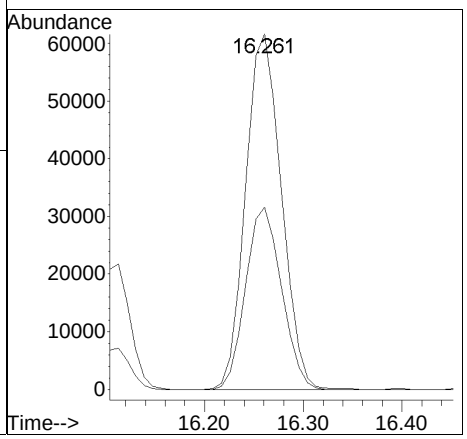


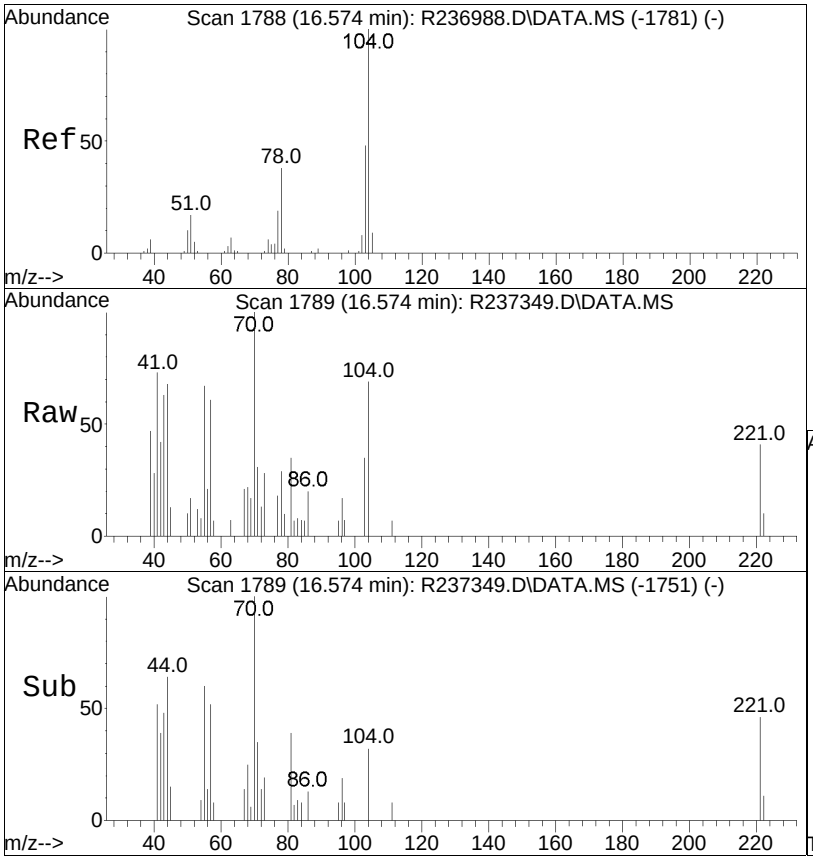


#83
m+p-xylene
Concen: 2.54 ppbV
RT: 16.261 min Scan# 1753
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 91 Resp: 155192

Ion	Ratio	Lower	Upper
91	100		
106	51.3	41.7	62.5

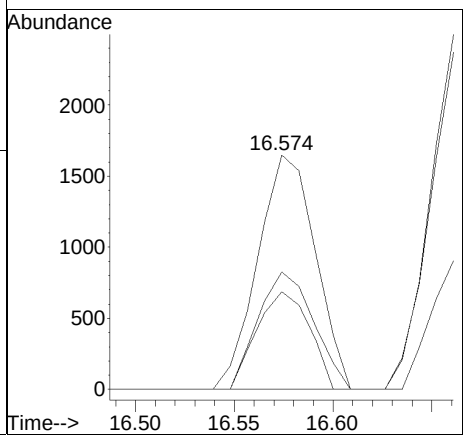


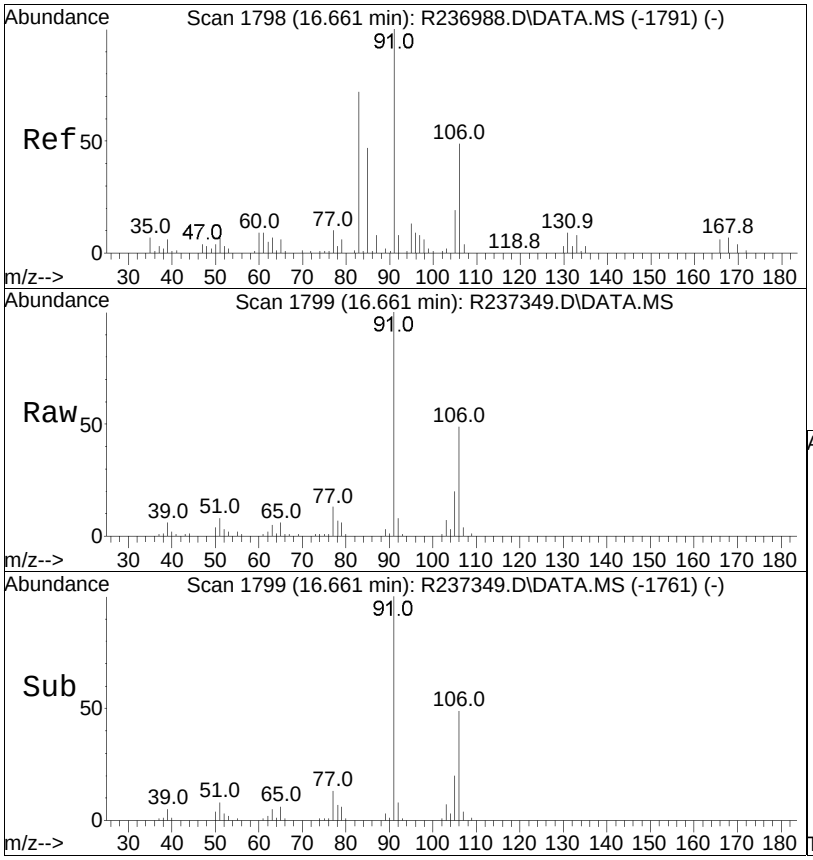


#85
styrene
Concen: 0.07 ppbV
RT: 16.574 min Scan# 1789
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:104 Resp: 3345

Ion	Ratio	Lower	Upper
104	100		
103	50.1	38.2	57.4
78	41.7	30.6	45.8

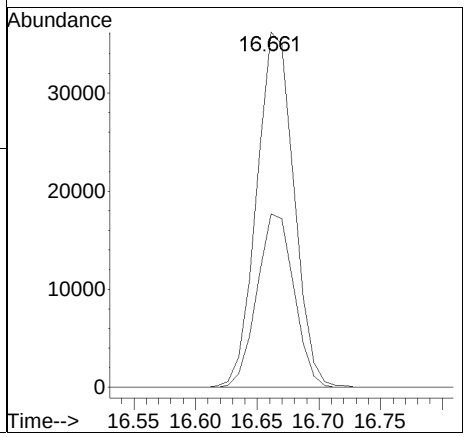


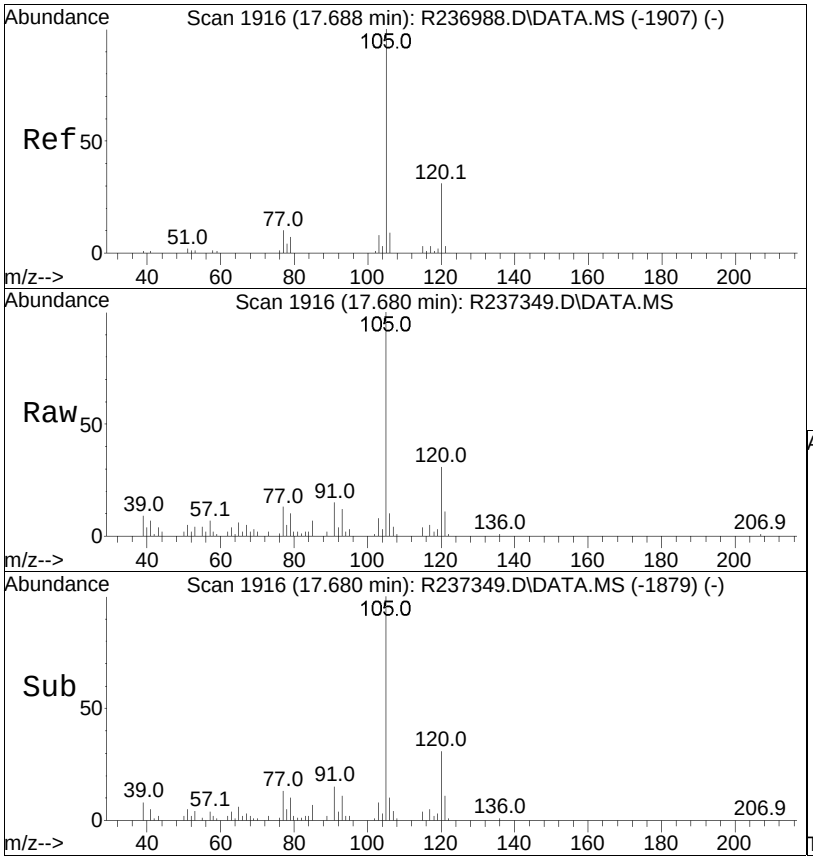


#87
o-xylene
Concen: 1.23 ppbV
RT: 16.661 min Scan# 1799
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion: 91 Resp: 76024

Ion	Ratio	Lower	Upper
91	100		
106	48.8	39.6	59.4

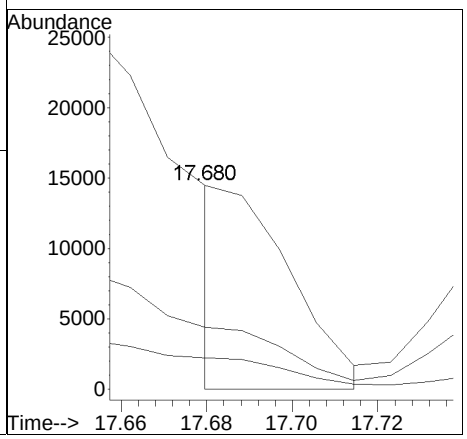


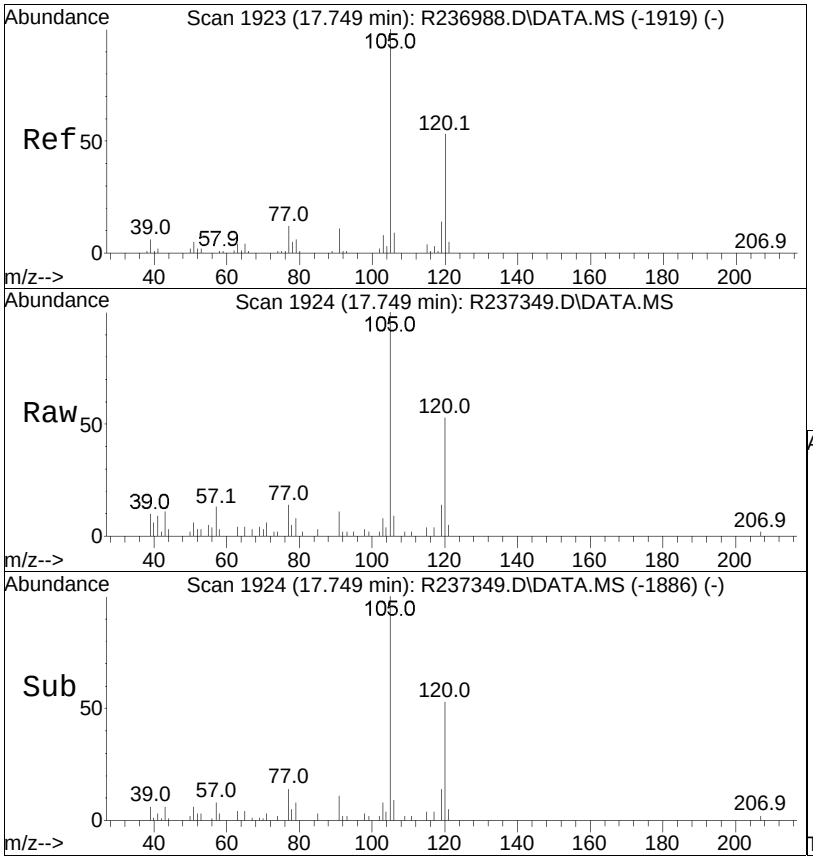


#96
4-ethyl toluene
Concen: 0.19 ppbV m
RT: 17.680 min Scan# 1916
Delta R.T. -0.008 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:105 Resp: 15756

Ion	Ratio	Lower	Upper
105	100		
120	30.5	25.1	37.7
91	15.5	8.8	13.2#

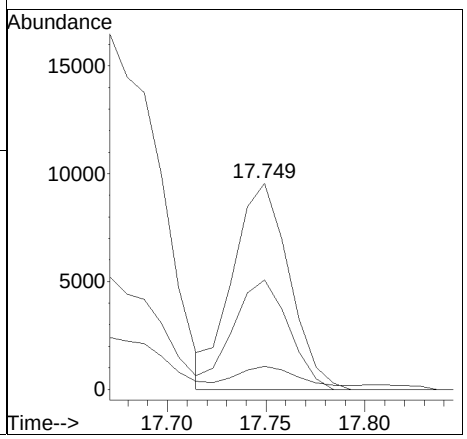


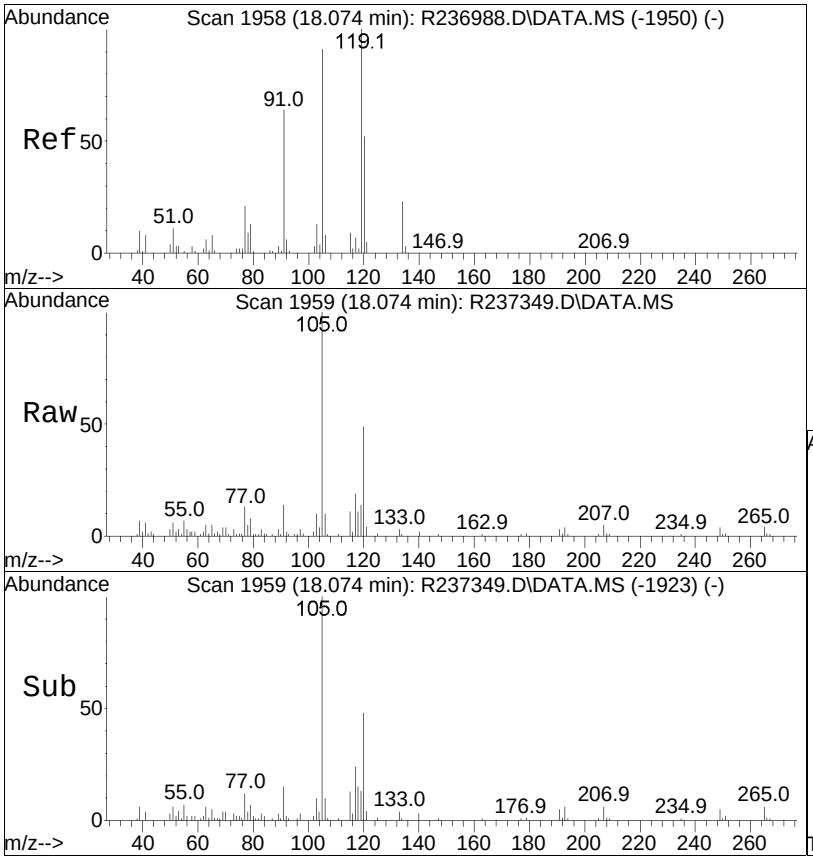


#97
1,3,5-trimethylbenzene
Concen: 0.28 ppbV
RT: 17.749 min Scan# 1924
Delta R.T. 0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:105 Resp: 19013

Ion	Ratio	Lower	Upper
105	100		
120	53.1	40.7	61.1
91	11.2	8.5	12.7

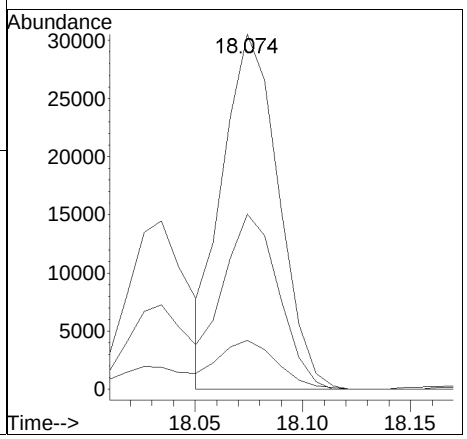


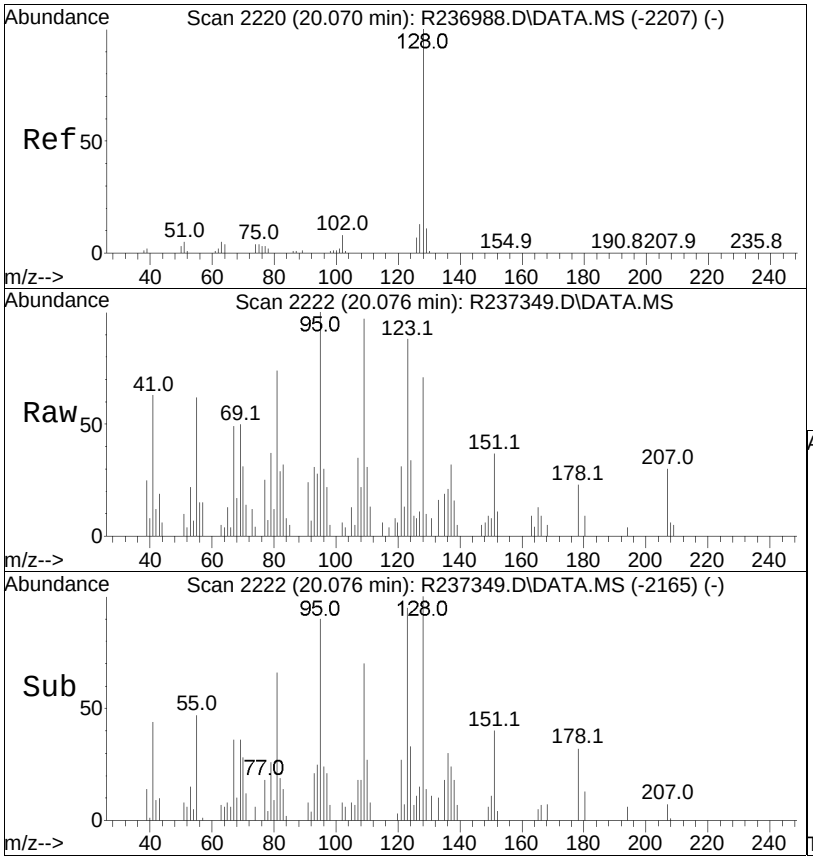


#99
1,2,4-trimethylbenzene
Concen: 0.76 ppbV
RT: 18.074 min Scan# 1959
Delta R.T. -0.000 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:105 Resp: 55340

Ion	Ratio	Lower	Upper
105	100		
120	49.3	45.9	68.9
91	13.8	56.2	84.2#

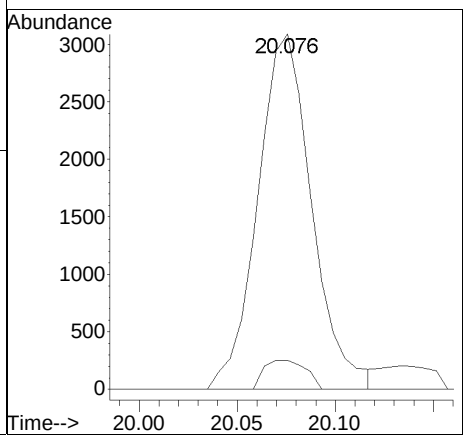




#116
naphthalene
Concen: 0.06 ppbV
RT: 20.076 min Scan# 2222
Delta R.T. 0.006 min
Lab File: R237349.D
Acq: 19 Dec 2025 01:48 am

Tgt Ion:128 Resp: 5921

Ion	Ratio	Lower	Upper
128	100		
102	8.2	6.4	9.6

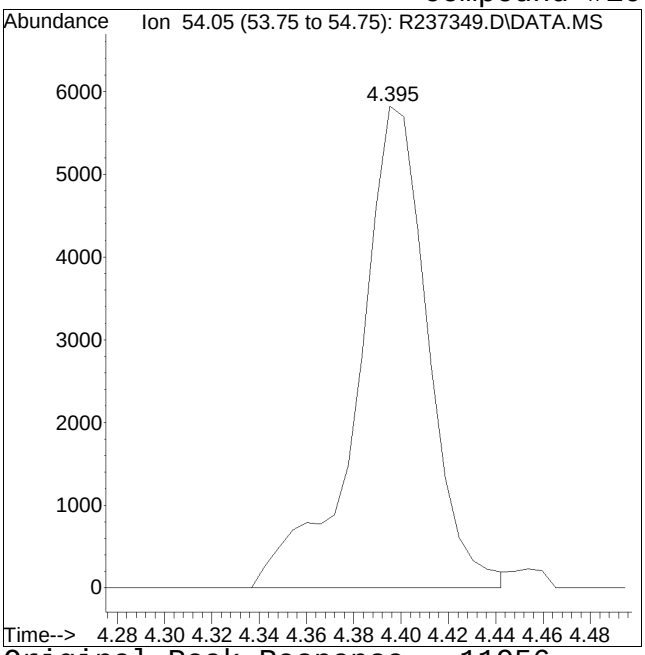


Manual Integration Report

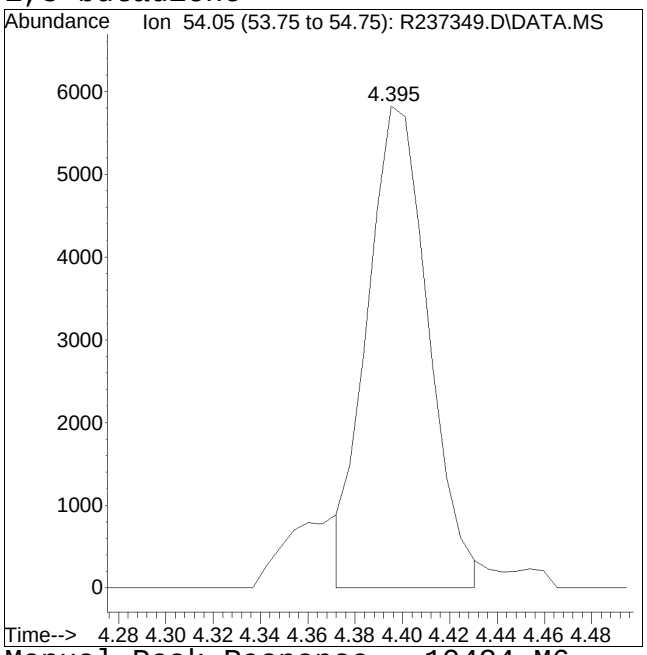
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237349.D
Date Inj'd : 12/19/2025 1:48 am
Sample : L2577500-19,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #10: 1,3-butadiene



Original Peak Response = 11956



Manual Peak Response = 10434 M6

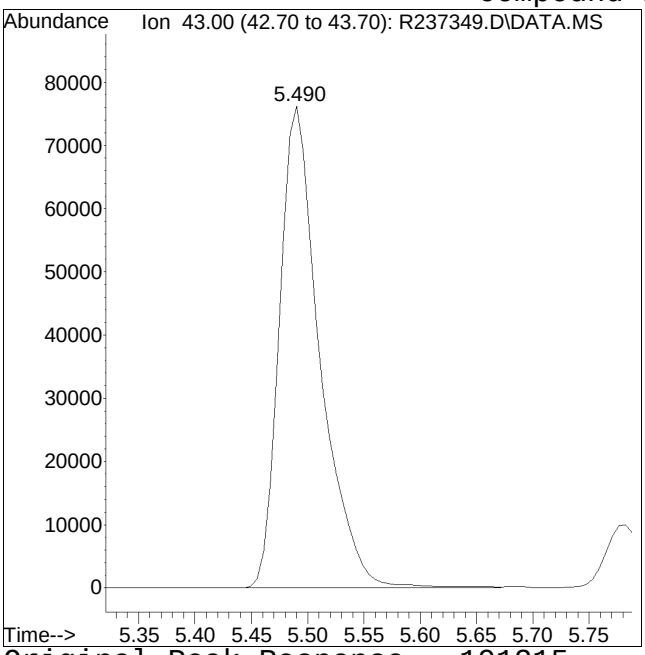
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

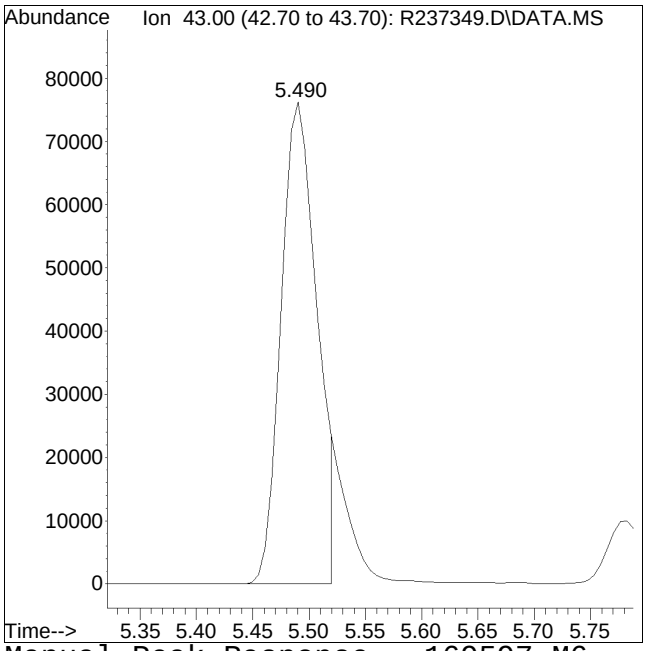
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237349.D
Date Inj'd : 12/19/2025 1:48 am
Sample : L2577500-19,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #19: acetone



Original Peak Response = 191215



Manual Peak Response = 169597 M6

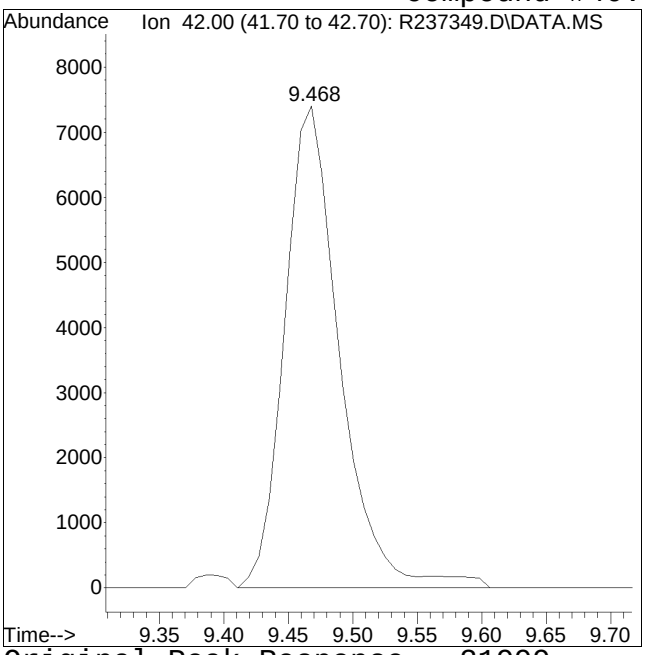
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

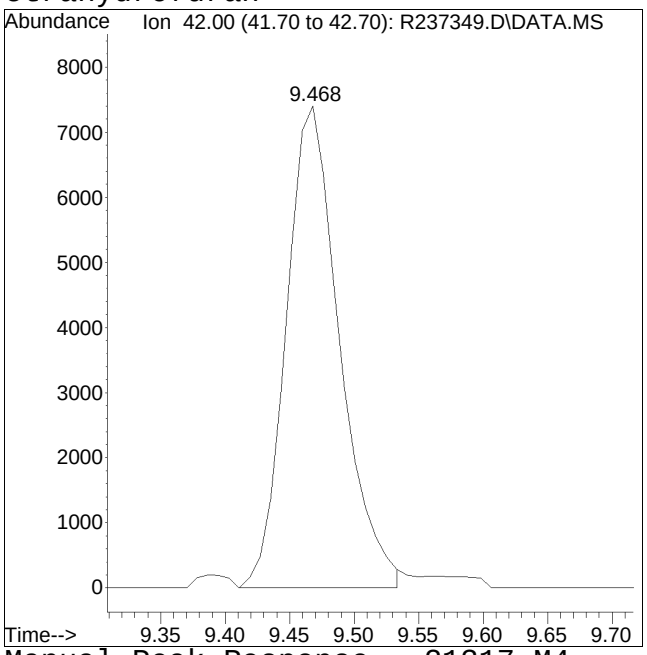
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237349.D
Date Inj'd : 12/19/2025 1:48 am
Sample : L2577500-19,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #40: Tetrahydrofuran



Original Peak Response = 21999



Manual Peak Response = 21317 M4

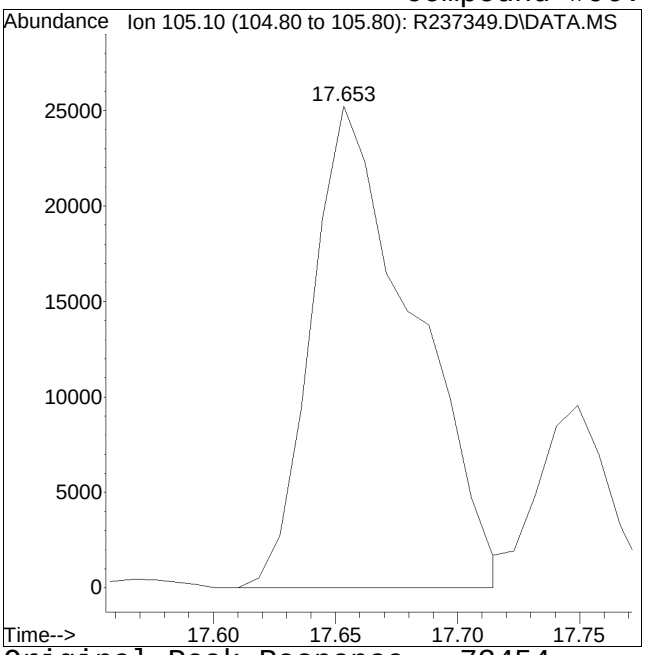
M4 = Poor automated baseline construction.

Manual Integration Report

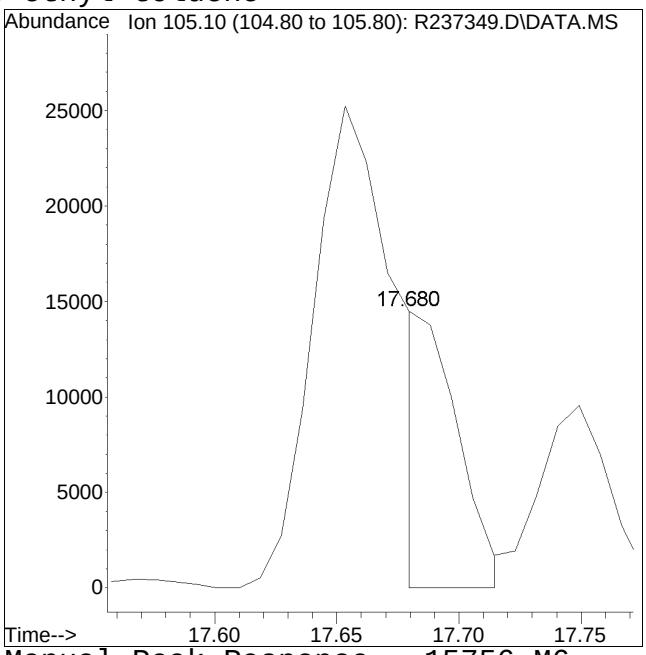
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237349.D
Date Inj'd : 12/19/2025 1:48 am
Sample : L2577500-19,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:17 am

Compound #96: 4-ethyl toluene



Original Peak Response = 73454



Manual Peak Response = 15756 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752999.D
Acq On : 19 Dec 2025 1:50 AM
Operator : AIRLAB17:TPH
Sample : L2577500-13,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:21:01 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	330569	10.000	ppbV	-0.03
Standard Area = 341577			Recovery =		96.78%	
43) 1,4-difluorobenzene	11.017	114	751708	10.000	ppbV	-0.03
Standard Area = 849055			Recovery =		88.53%	
67) chlorobenzene-D5	15.783	54	124135	10.000	ppbV	-0.03
Standard Area = 140112			Recovery =		88.60%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.868	85	25914	0.557	ppbV	100
6) chloromethane	4.024	50	12711	0.608	ppbV	97
7) Freon-114	4.126		0	N.D.		
10) 1,3-butadiene	4.378	54	697	0.037	ppbV #	66
13) bromomethane	4.636		0	N.D.		
14) chloroethane	4.822		0	N.D.		
15) ethanol	4.954	31	4846407	255.139	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.433	43	356085m	11.103	ppbV	
21) trichlorofluoromethane	5.630	101	8482	0.186	ppbV	99
22) isopropyl alcohol	5.717	45	318467	8.749	ppbV	97
27) tertiary butyl alcohol	6.366	59	2785	0.054	ppbV #	63
28) methylene chloride	6.444	49	5311	0.194	ppbV	86
29) 3-chloropropene	6.564		0	N.D.		
30) carbon disulfide	6.738		0	N.D.		
31) Freon 113	6.744	101	2798	0.057	ppbV #	89
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.692		0	N.D.		
36) 2-butanone	8.133	43	14295	0.282	ppbV	98
38) Ethyl Acetate	8.900	61	7418	0.800	ppbV #	47
39) chloroform	8.958	83	3092	0.071	ppbV	95
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.800		0	N.D.		
44) hexane	8.883	57	6582	0.182	ppbV #	1
50) benzene	10.597	78	16796	0.267	ppbV	98
53) cyclohexane	10.910	56	2582	0.068	ppbV #	89
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752999.D
Acq On : 19 Dec 2025 1:50 AM
Operator : AIRLAB17:TPH
Sample : L2577500-13,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:21:01 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

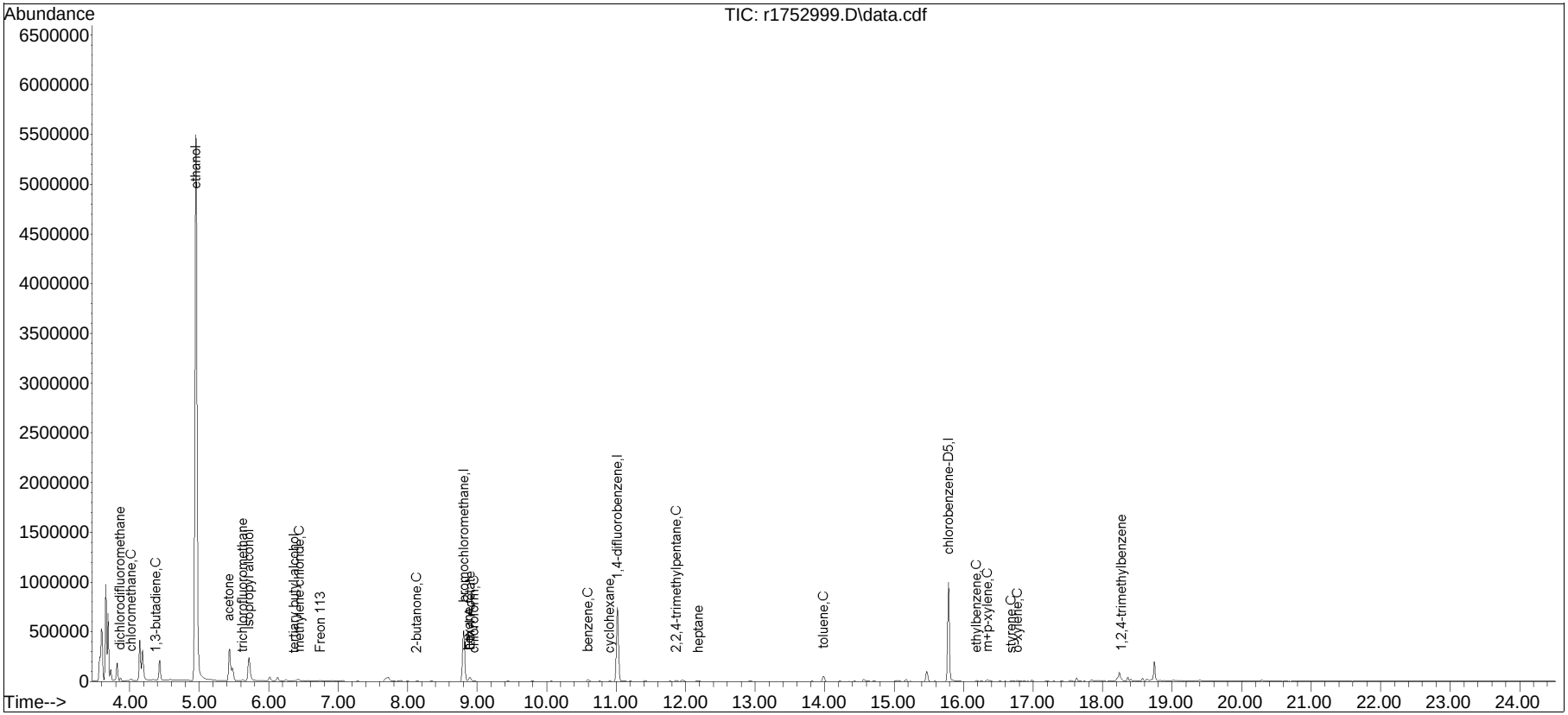
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	11.763		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.870	57	11358	0.097	ppbV #	90
62) heptane	12.183	43	9470	0.247	ppbV #	79
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.908		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.983	91	44224	0.517	ppbV	99
72) 2-hexanone	14.267		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.842		0	N.D.		
81) ethylbenzene	16.183	91	6929	0.064	ppbV	93
83) m+p-xylene	16.342	91	14486	0.168	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	16.683	104	2743	0.043	ppbV	92
86) 1,1,2,2-tetrachloroethane	16.817		0	N.D.		
87) o-xylene	16.775	91	5890	0.069	ppbV	99
96) 4-ethyl toluene	17.858		0	N.D.		
97) 1,3,5-trimethylbenzene	17.925		0	N.D.		
99) 1,2,4-trimethylbenzene	18.275	105	6489	0.071	ppbV #	60
101) Benzyl Chloride	18.475		0	N.D.		
102) 1,3-dichlorobenzene	18.467		0	N.D.		
103) 1,4-dichlorobenzene	18.467		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

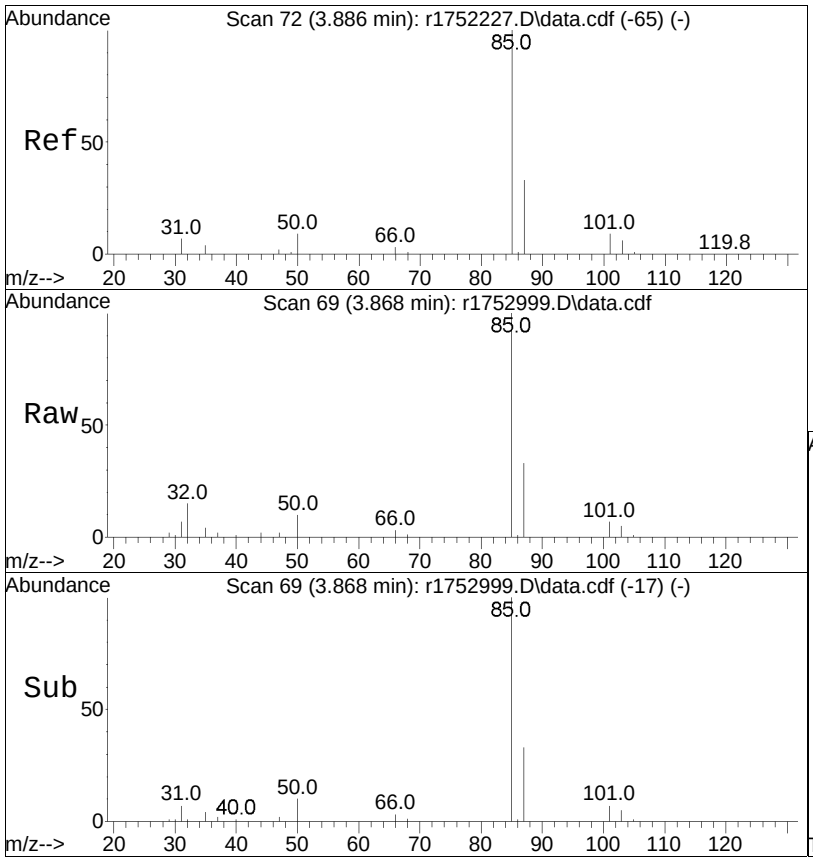
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752999.D
Acq On : 19 Dec 2025 1:50 AM
Operator : AIRLAB17:TPH
Sample : L2577500-13,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:21:01 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

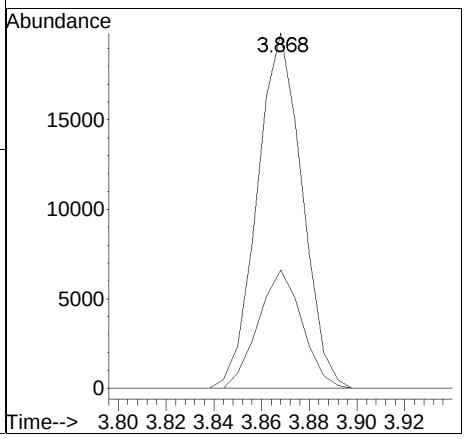


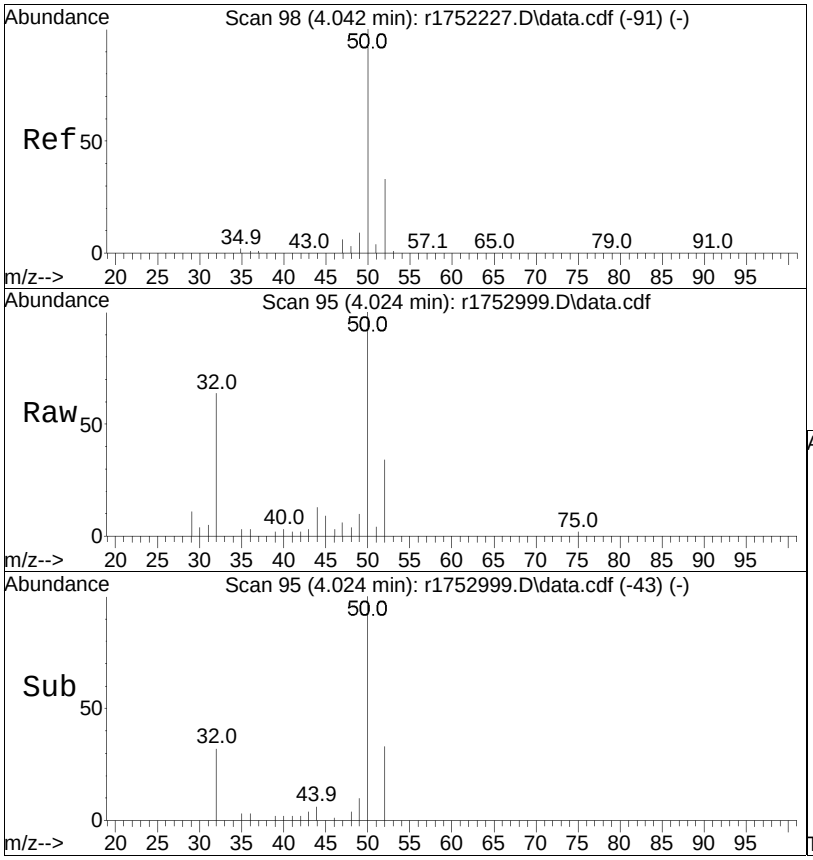


#5
dichlorodifluoromethane
Concen: 0.56 ppbV
RT: 3.868 min Scan# 69
Delta R.T. -0.018 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 85 Resp: 25914

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.7	40.1

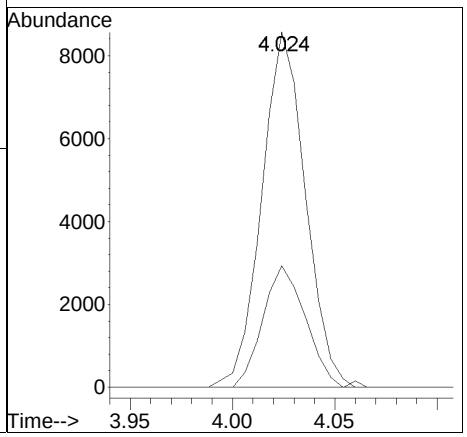


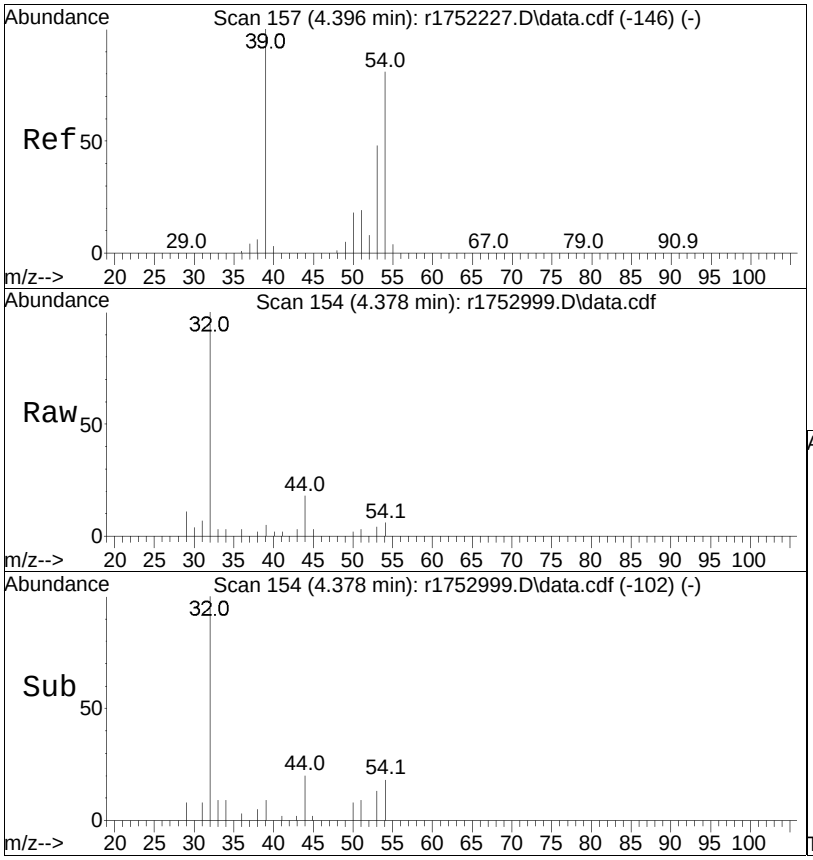


#6
chloromethane
Concen: 0.61 ppbV
RT: 4.024 min Scan# 95
Delta R.T. -0.018 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 50 Resp: 12711

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1

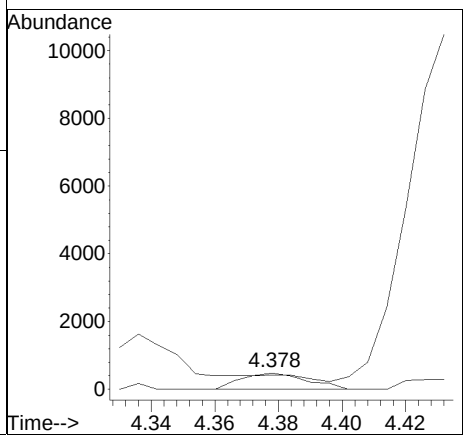


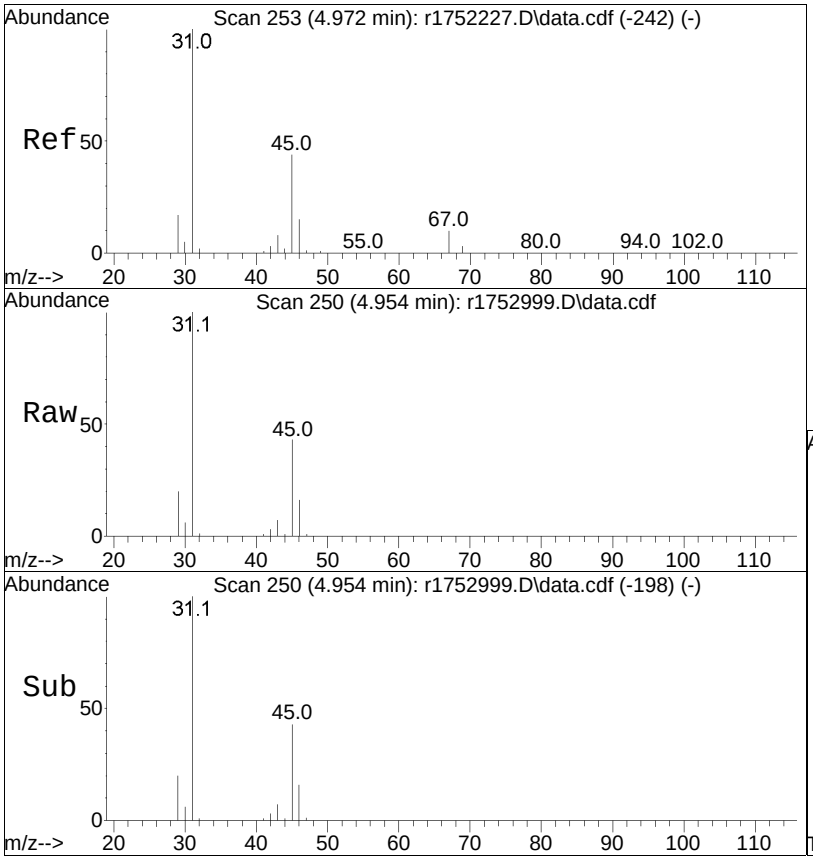


#10
1,3-butadiene
Concen: 0.04 ppbV
RT: 4.378 min Scan# 154
Delta R.T. -0.018 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 54 Resp: 697

Ion	Ratio	Lower	Upper
54	100		
39	86.5	99.8	149.8#

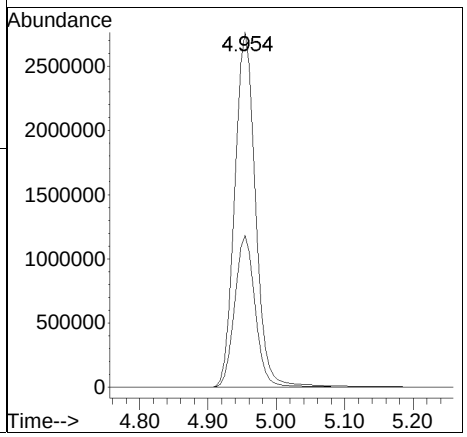


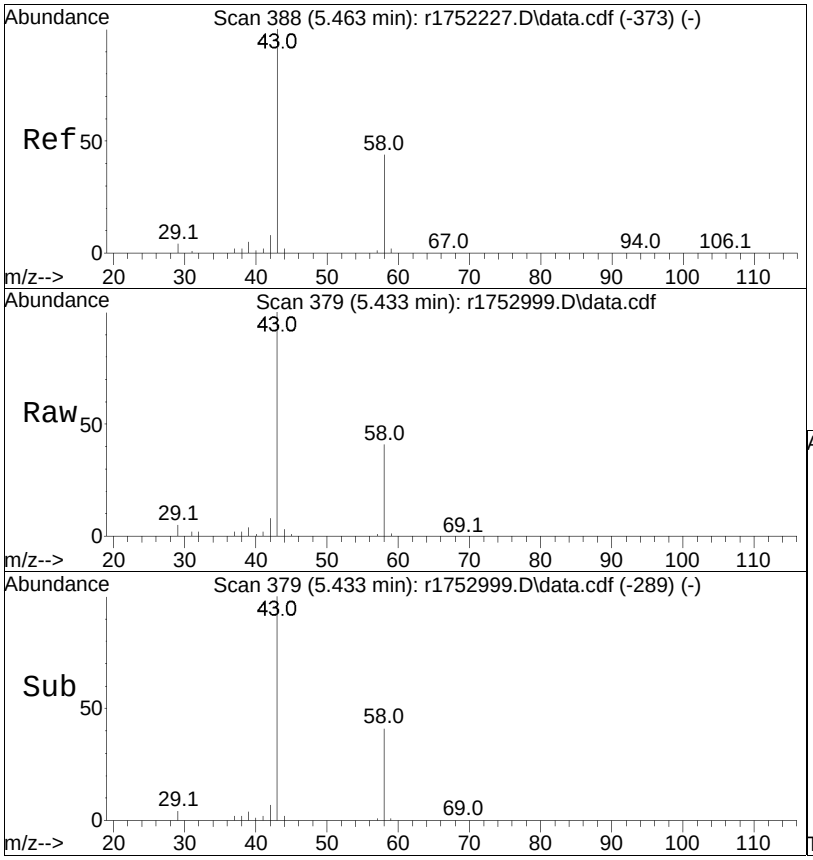


#15
ethanol
Concen: 255.14 ppbV
RT: 4.954 min Scan# 250
Delta R.T. -0.018 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 31 Resp: 4846407

Ion	Ratio	Lower	Upper
31	100		
45	42.8	35.3	52.9

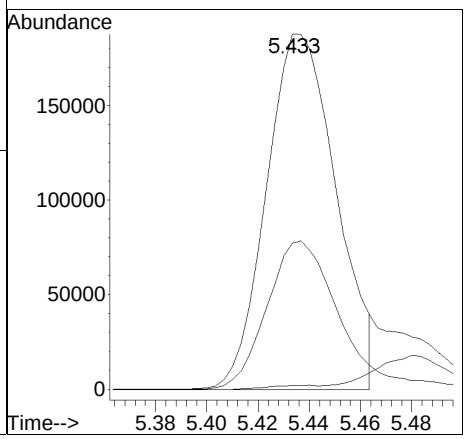


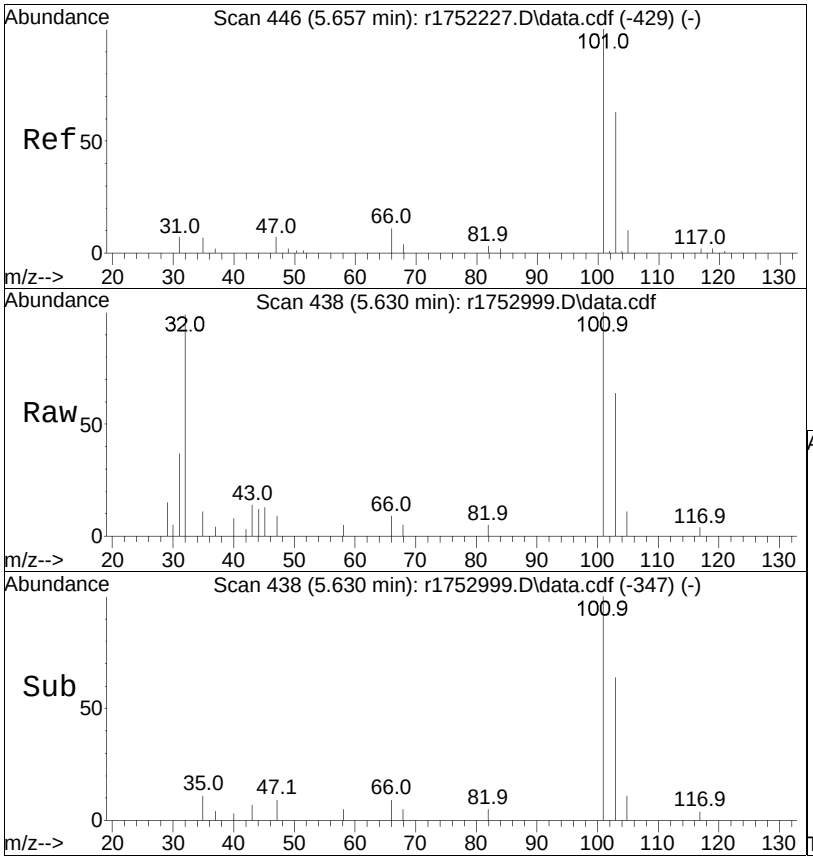


#19
acetone
Concen: 11.10 ppbV m
RT: 5.433 min Scan# 379
Delta R.T. -0.030 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 43 Resp: 356085

Ion	Ratio	Lower	Upper
43	100		
58	41.1	35.1	52.7
57	1.1	0.9	1.3

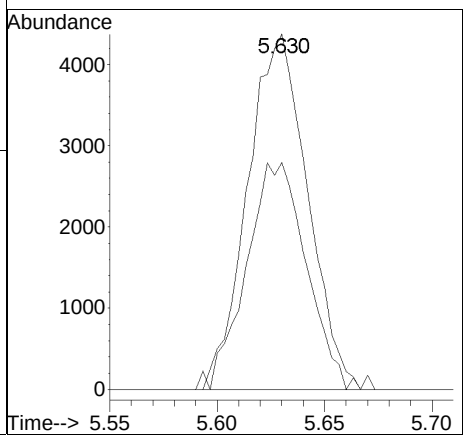


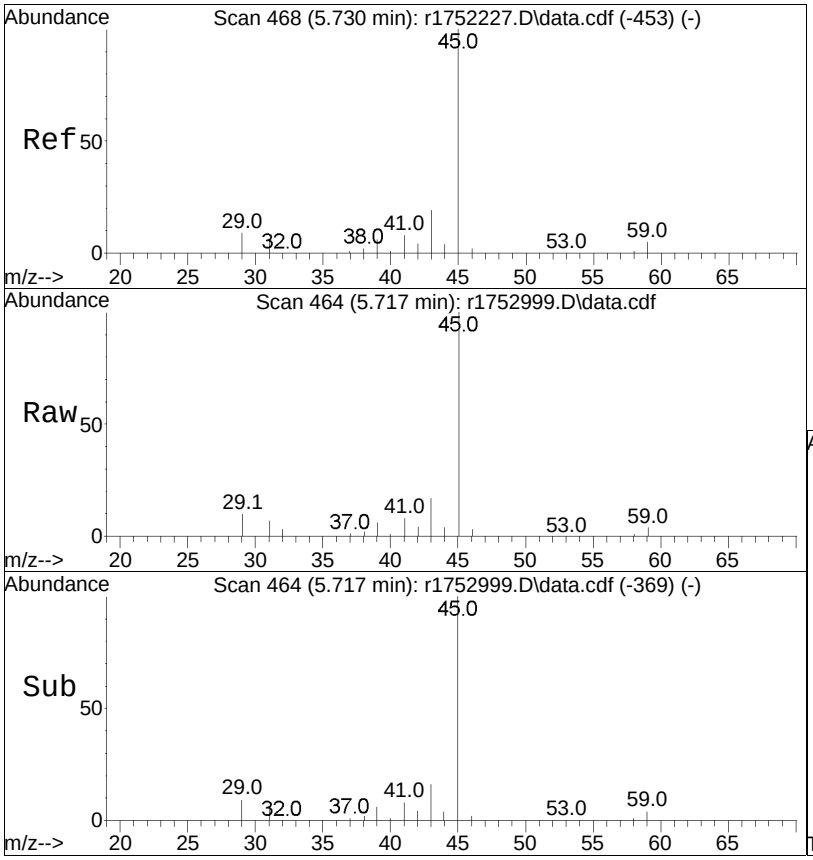


#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.630 min Scan# 438
Delta R.T. -0.027 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:101 Resp: 8482

Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.2	75.2

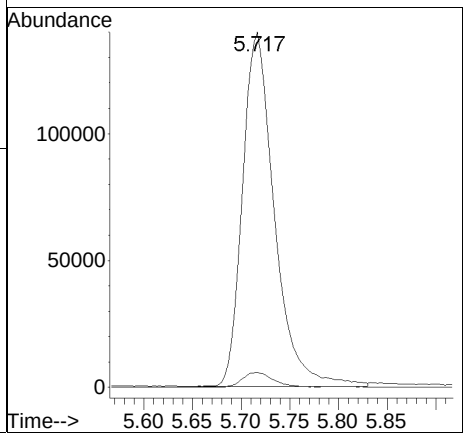


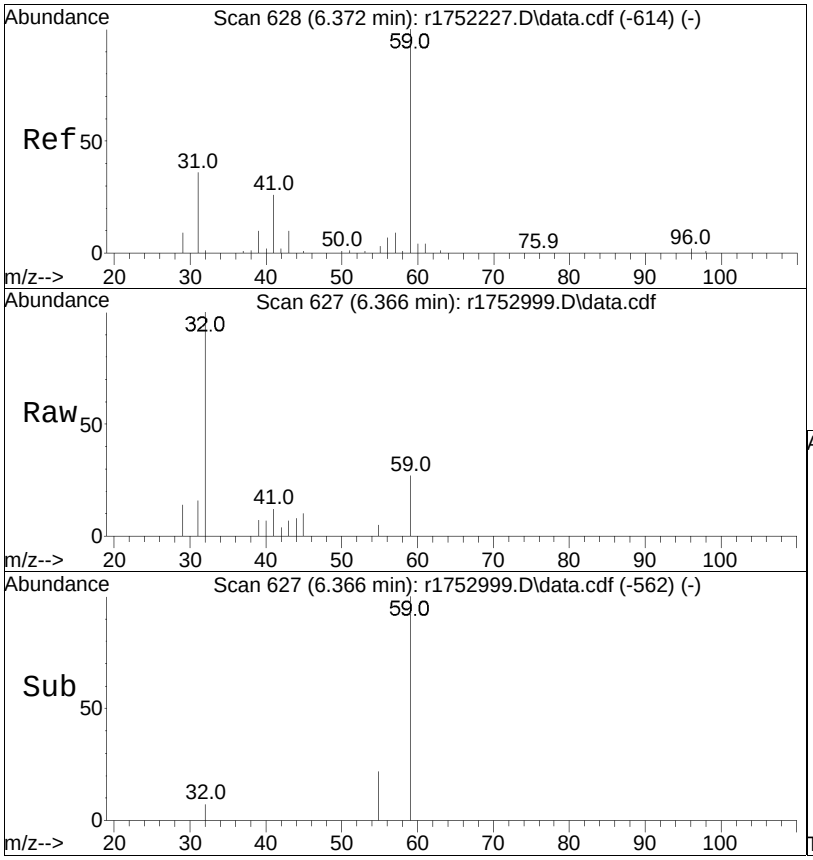


#22
isopropyl alcohol
Concen: 8.75 ppbV
RT: 5.717 min Scan# 464
Delta R.T. -0.013 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 45 Resp: 318467

Ion	Ratio	Lower	Upper
45	100		
59	4.3	4.2	6.2

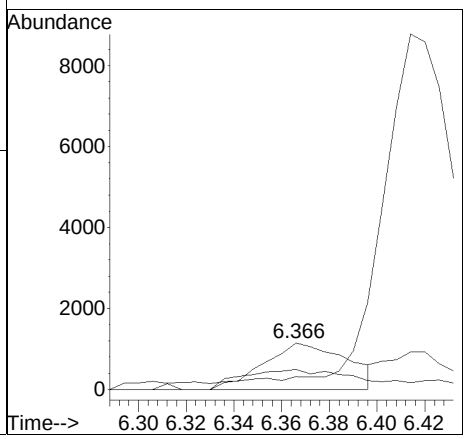


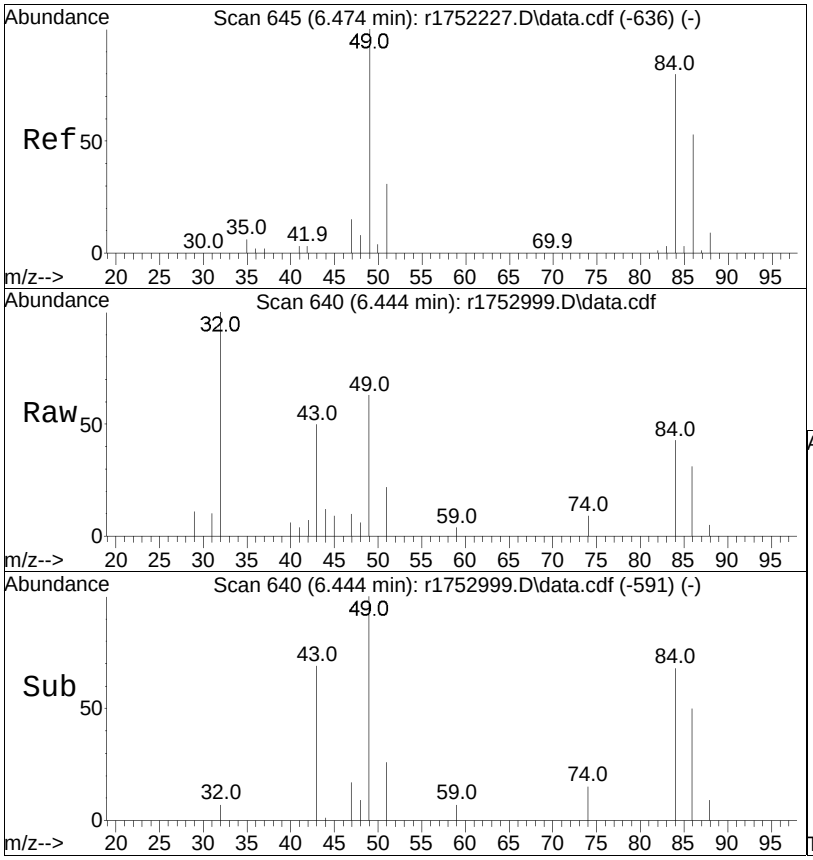


#27
tertiary butyl alcohol
Concen: 0.05 ppbV
RT: 6.366 min Scan# 627
Delta R.T. -0.006 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 59 Resp: 2785

Ion	Ratio	Lower	Upper
59	100		
41	43.1	20.9	31.3#
43	27.7	7.9	11.9#

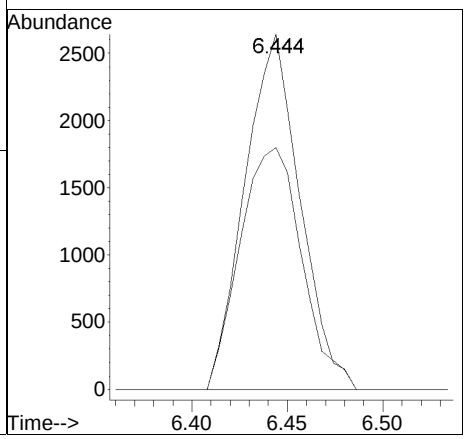


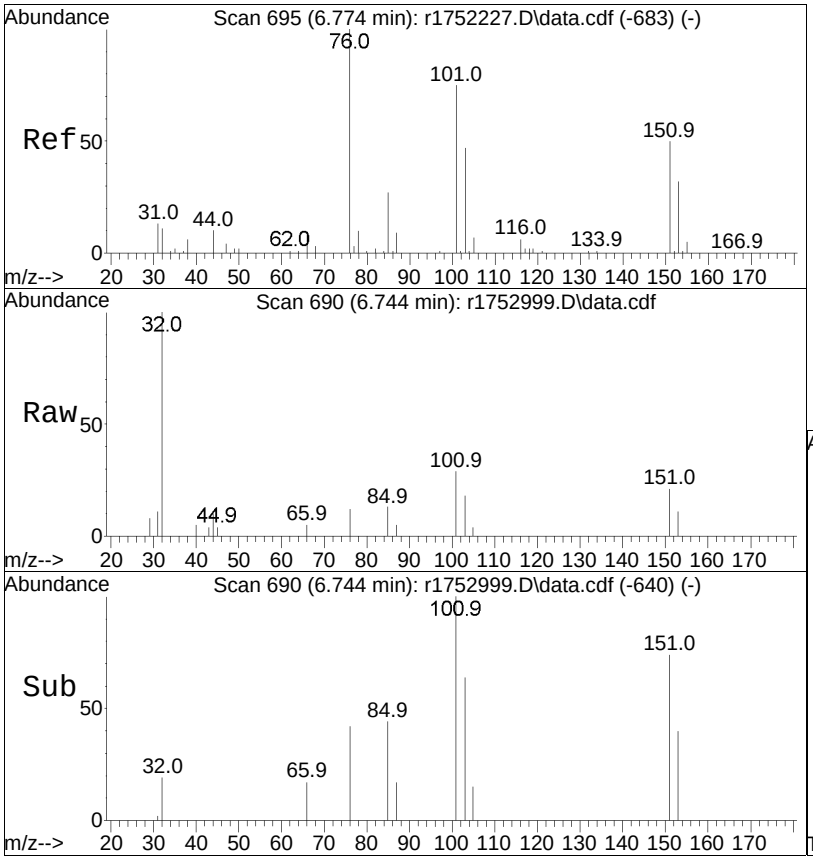


#28
methylene chloride
Concen: 0.19 ppbV
RT: 6.444 min Scan# 640
Delta R.T. -0.030 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 49 Resp: 5311

Ion	Ratio	Lower	Upper
49	100		
84	68.0	64.2	96.2

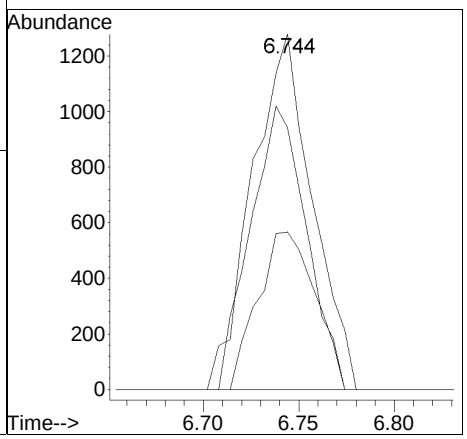


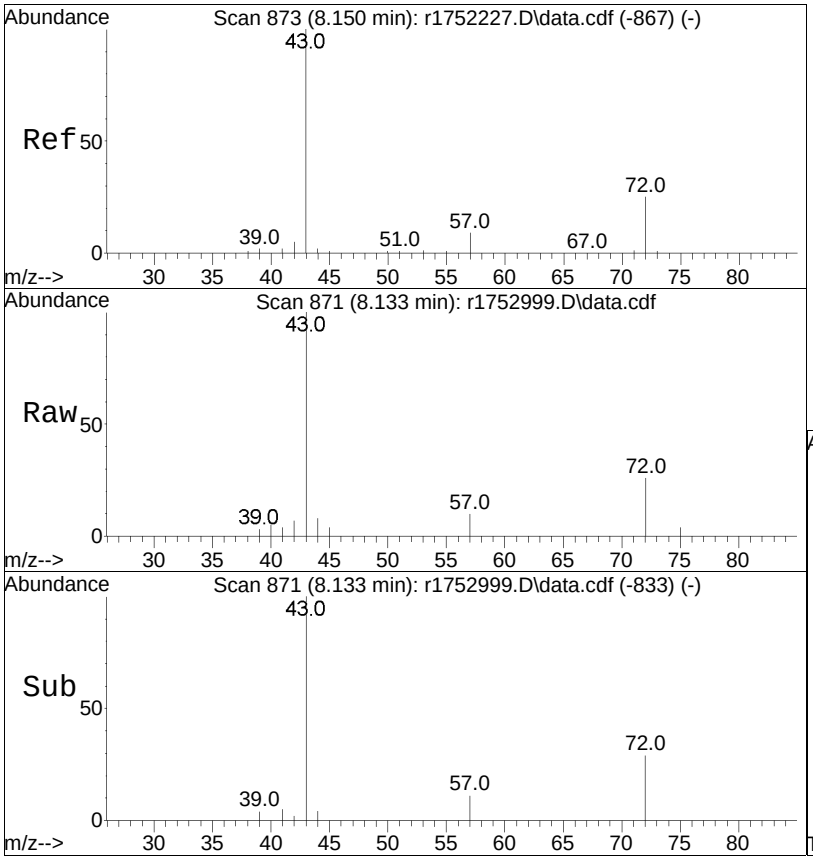


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.744 min Scan# 690
Delta R.T. -0.030 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:101 Resp: 2798

Ion	Ratio	Lower	Upper
101	100		
85	44.3	28.9	43.3#
151	73.7	53.3	79.9

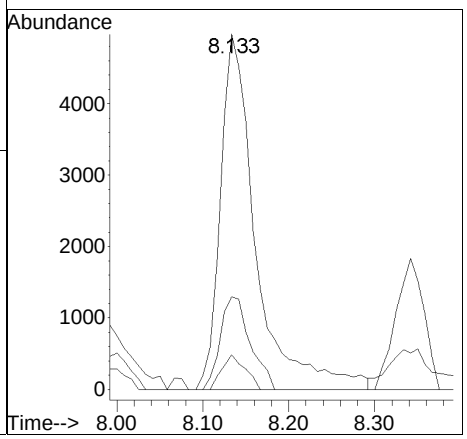


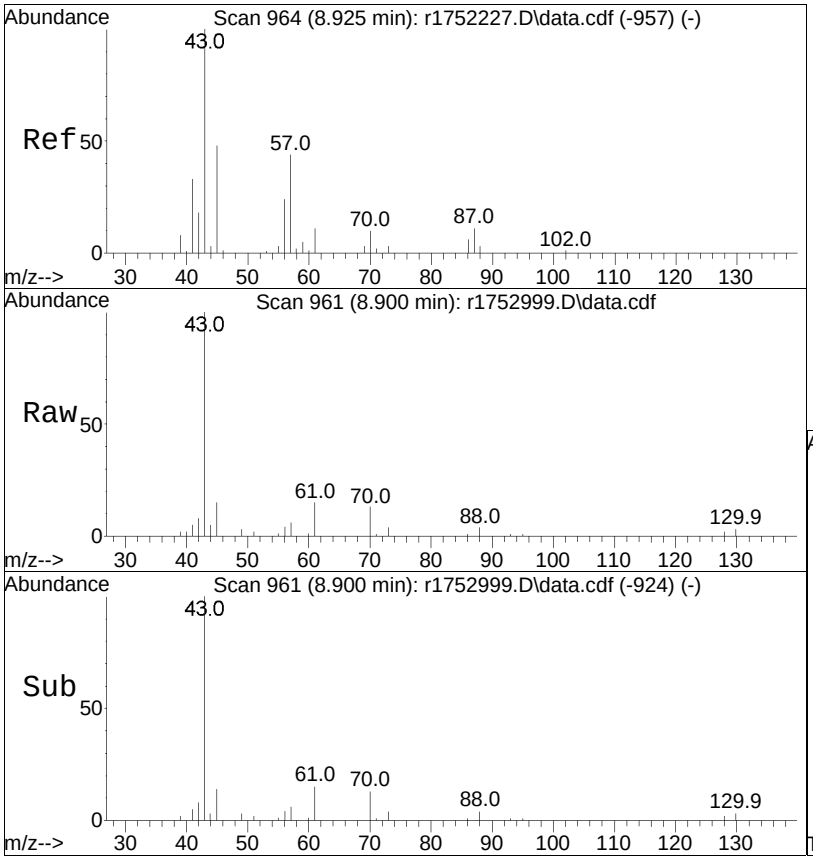


#36
2-butanone
Concen: 0.28 ppbV
RT: 8.133 min Scan# 871
Delta R.T. -0.017 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 43 Resp: 14295

Ion	Ratio	Lower	Upper
43	100		
72	26.1	19.9	29.9
57	9.8	7.2	10.8

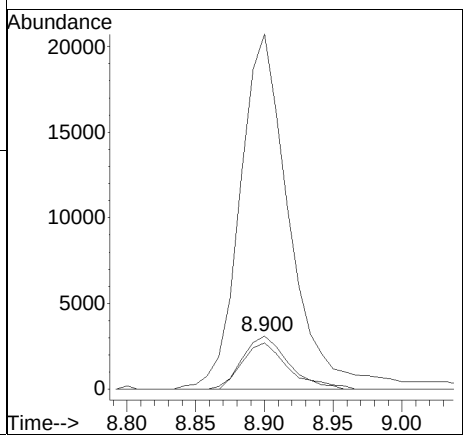


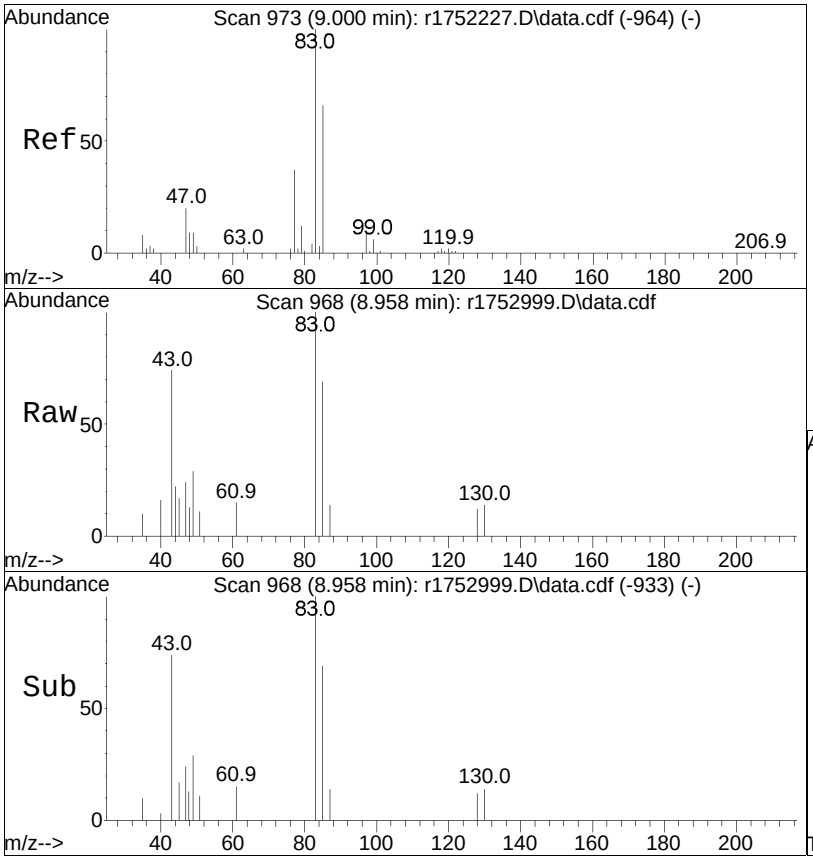


#38
Ethyl Acetate
Concen: 0.80 ppbV
RT: 8.900 min Scan# 961
Delta R.T. -0.025 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 61 Resp: 7418

Ion	Ratio	Lower	Upper
61	100		
70	87.3	68.4	102.6
43	666.0	727.4	1091.2#

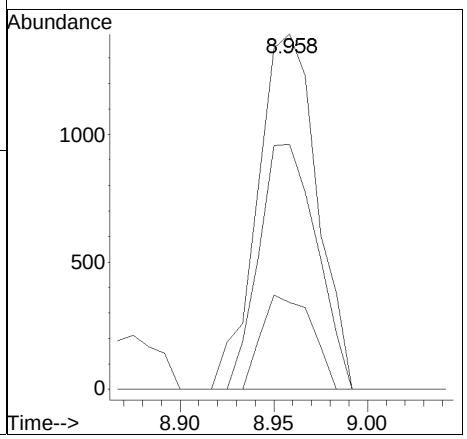


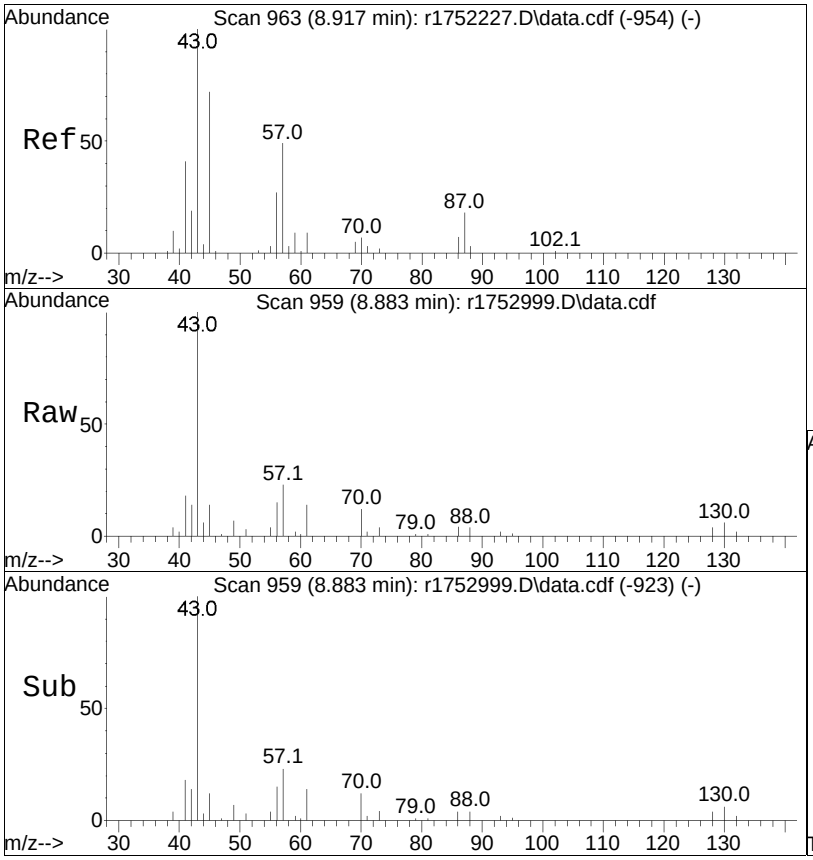


#39
chloroform
Concen: 0.07 ppbV
RT: 8.958 min Scan# 968
Delta R.T. -0.042 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 83 Resp: 3092

Ion	Ratio	Lower	Upper
83	100		
85	69.0	53.1	79.7
47	24.5	16.3	24.5

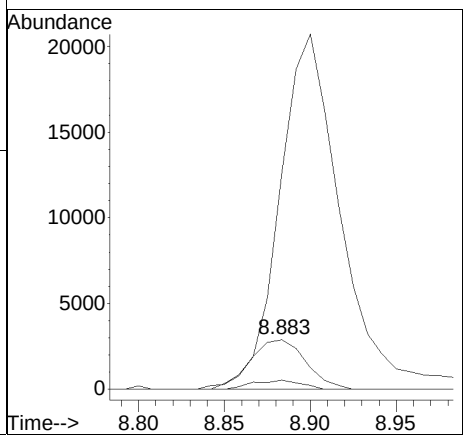


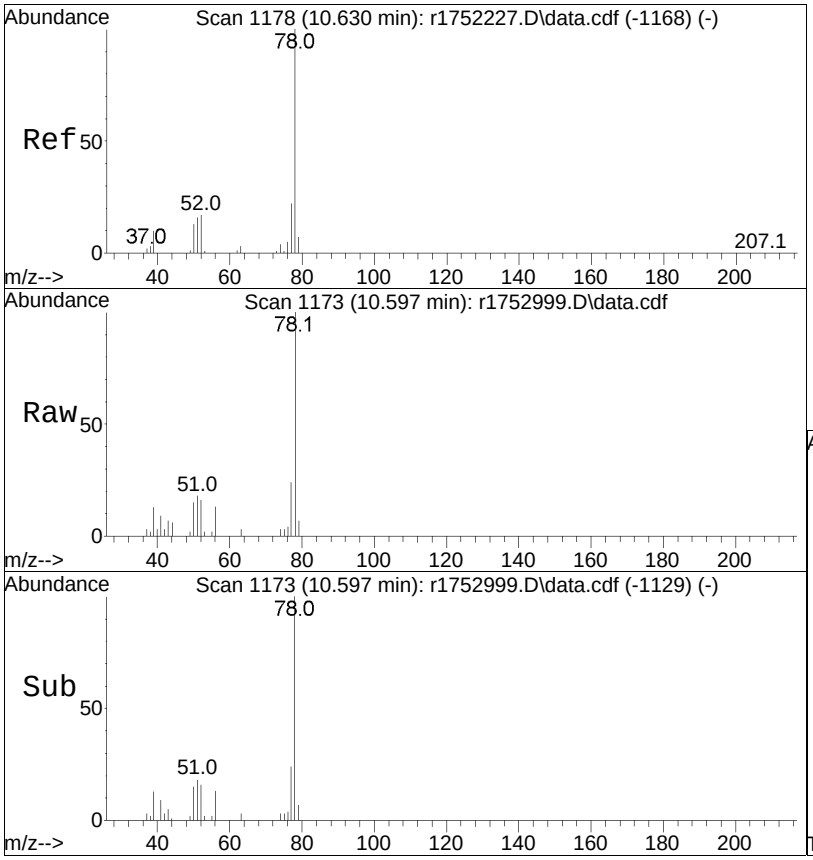


#44
hexane
Concen: 0.18 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 57 Resp: 6582

Ion	Ratio	Lower	Upper
57	100		
43	434.5	163.5	245.3#
86	18.8	11.7	17.5#

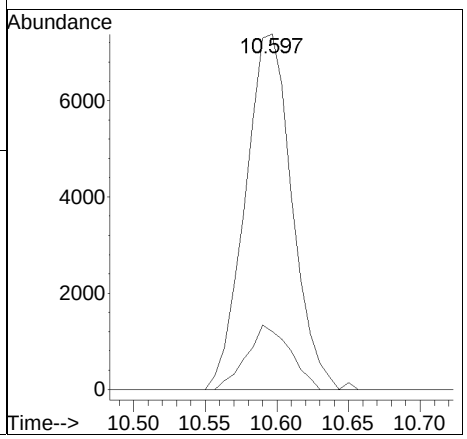


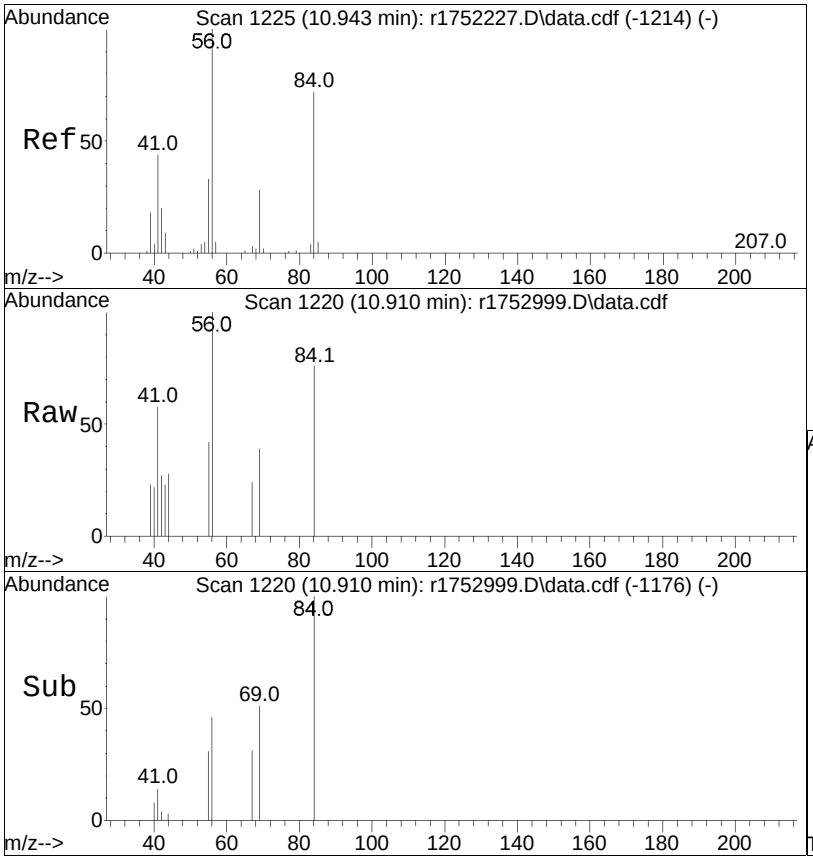


#50
benzene
Concen: 0.27 ppbV
RT: 10.597 min Scan# 1173
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 78 Resp: 16796

Ion	Ratio	Lower	Upper
78	100		
52	16.3	13.8	20.8

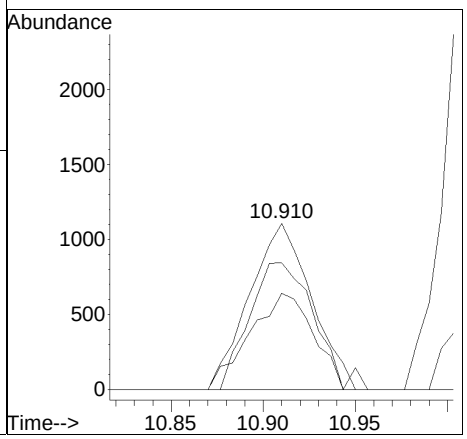


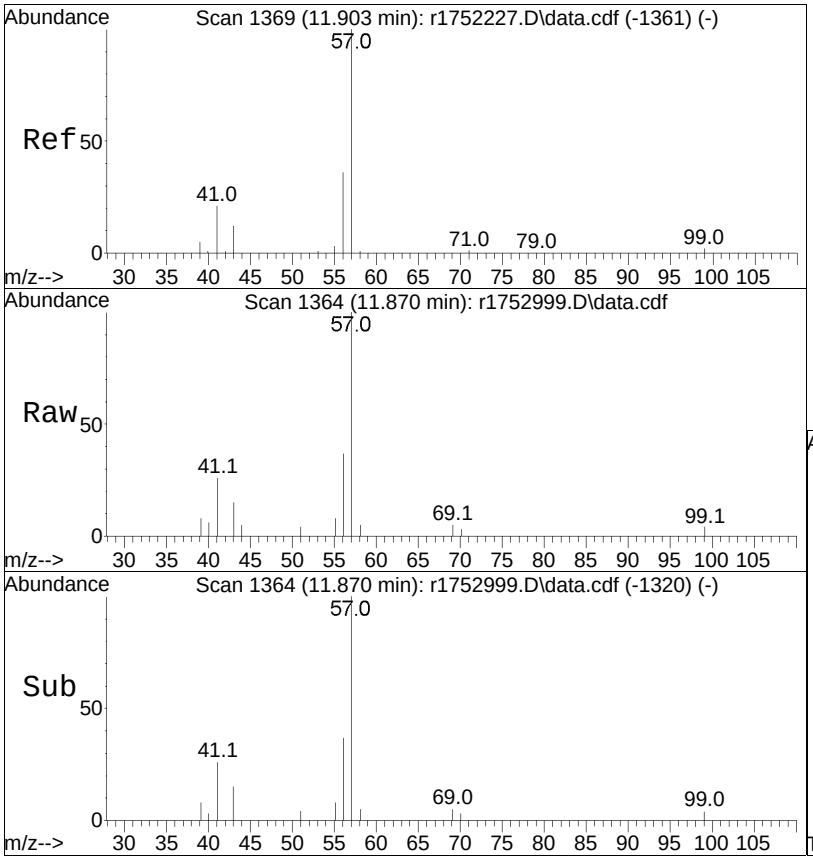


#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.910 min Scan# 1220
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 56 Resp: 2582

Ion	Ratio	Lower	Upper
56	100		
84	76.2	57.8	86.8
41	57.9	35.5	53.3#

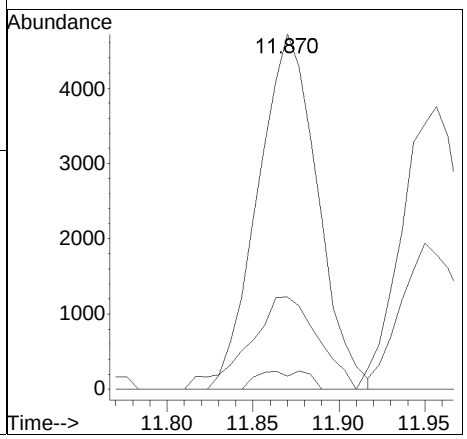


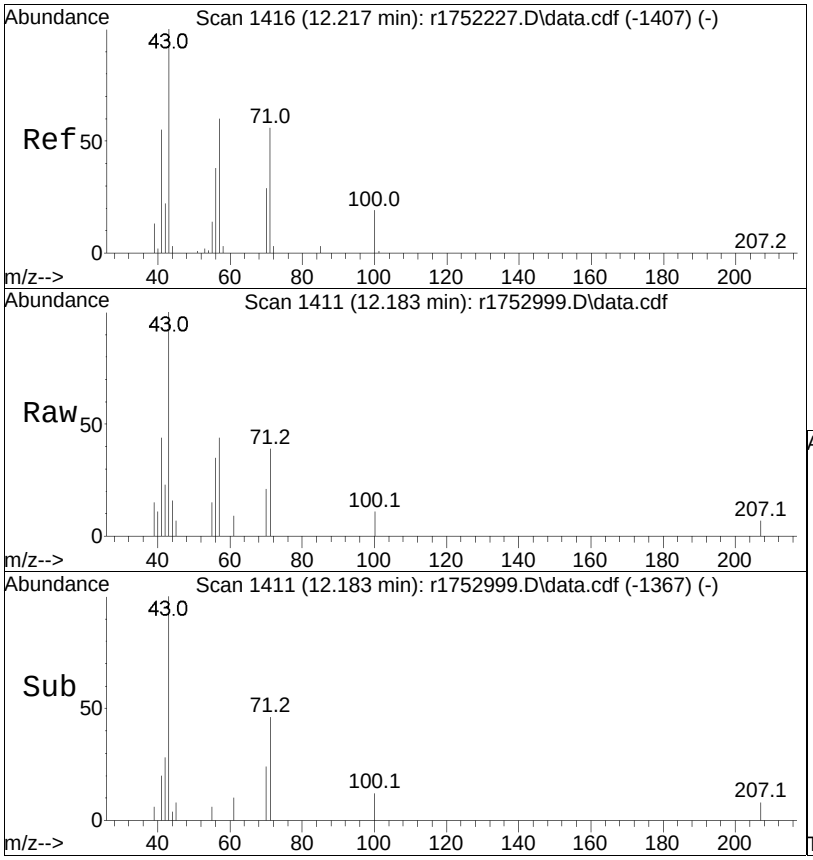


#60
2,2,4-trimethylpentane
Concen: 0.10 ppbV
RT: 11.870 min Scan# 1364
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 57 Resp: 11358

Ion	Ratio	Lower	Upper
57	100		
99	3.7	3.8	5.8#
41	26.0	16.5	24.7#

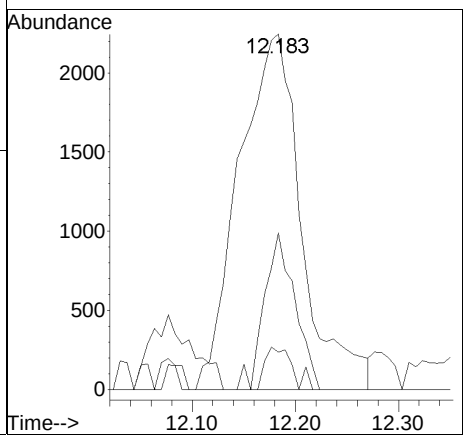


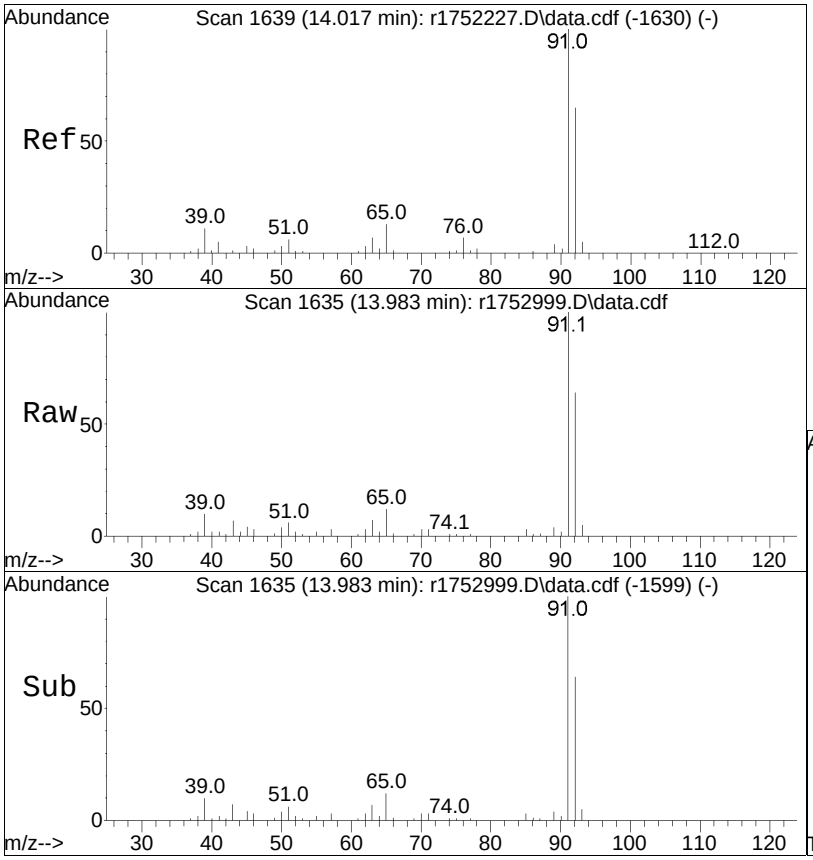


#62
heptane
Concen: 0.25 ppbV
RT: 12.183 min Scan# 1411
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 43 Resp: 9470

Ion	Ratio	Lower	Upper
43	100		
57	44.0	48.3	72.5#
100	10.5	15.4	23.0#

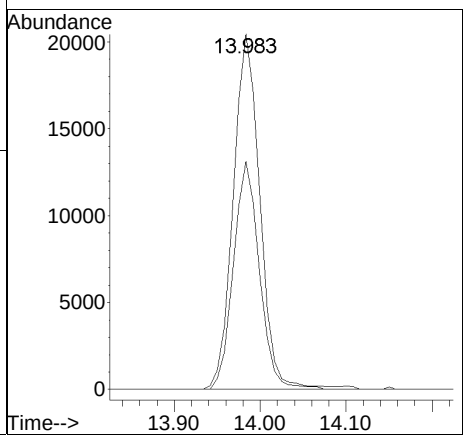


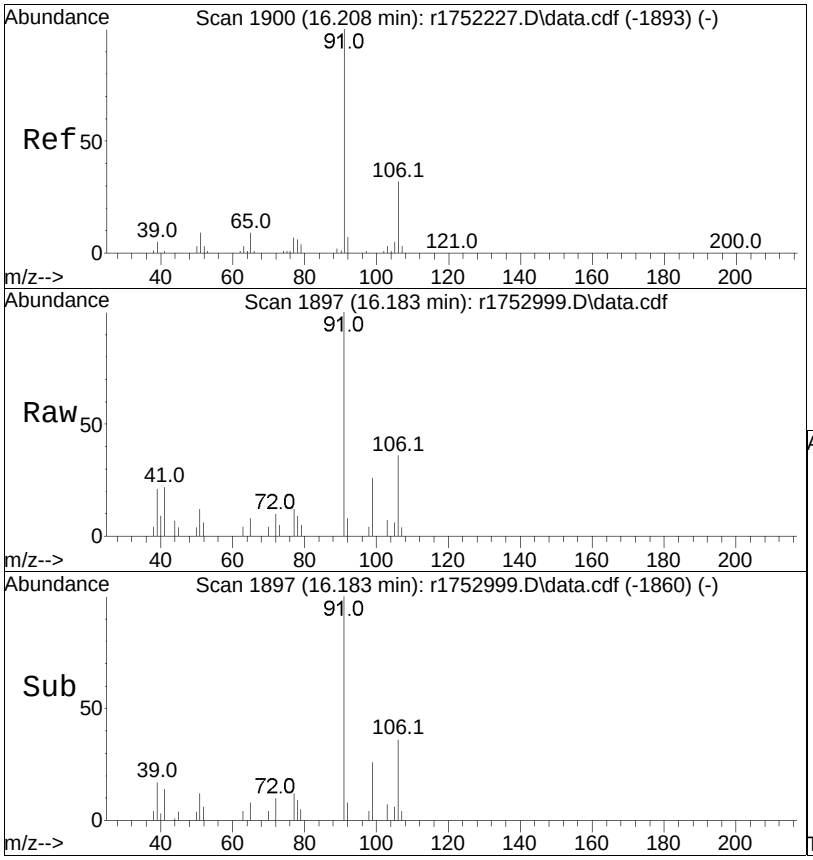


#68
toluene
Concen: 0.52 ppbV
RT: 13.983 min Scan# 1635
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 91 Resp: 44224

Ion	Ratio	Lower	Upper
91	100		
92	64.1	51.9	77.9

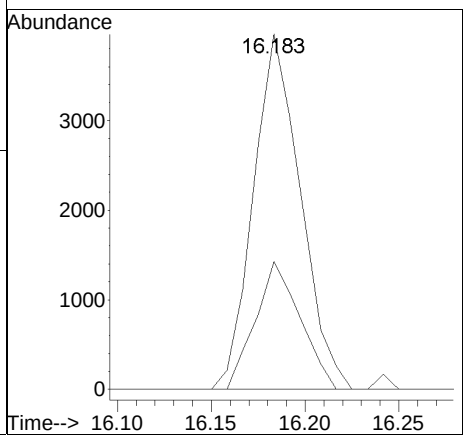


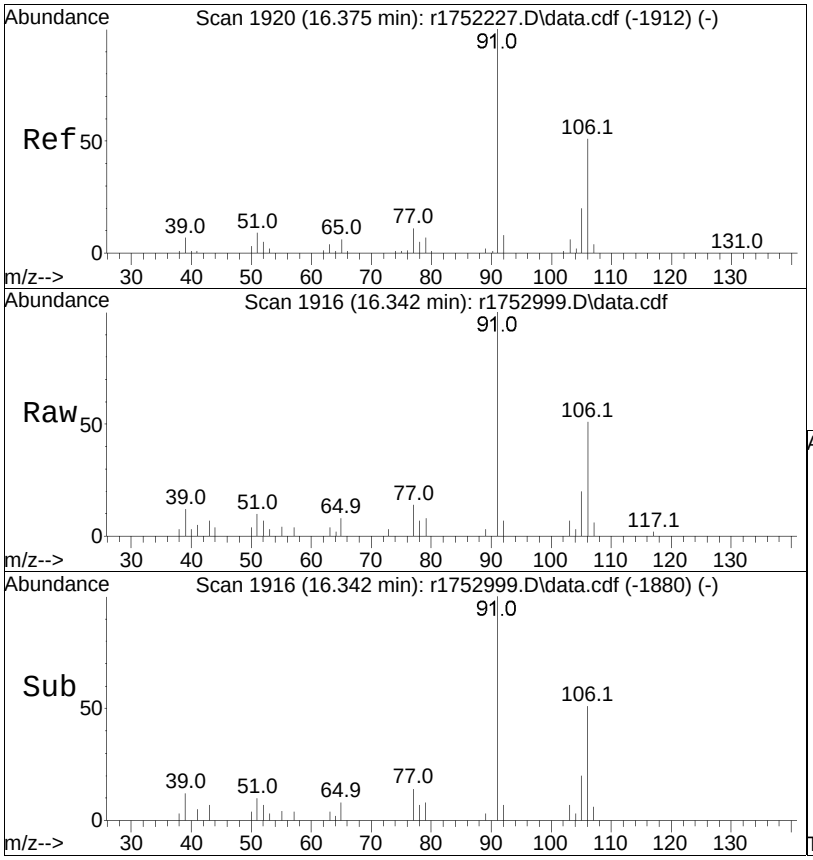


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.183 min Scan# 1897
Delta R.T. -0.025 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 91 Resp: 6929

Ion	Ratio	Lower	Upper
91	100		
106	36.0	25.7	38.5

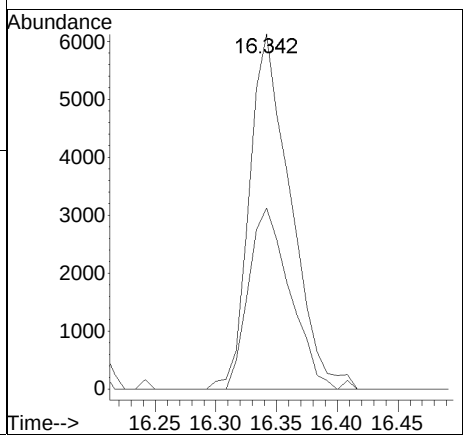


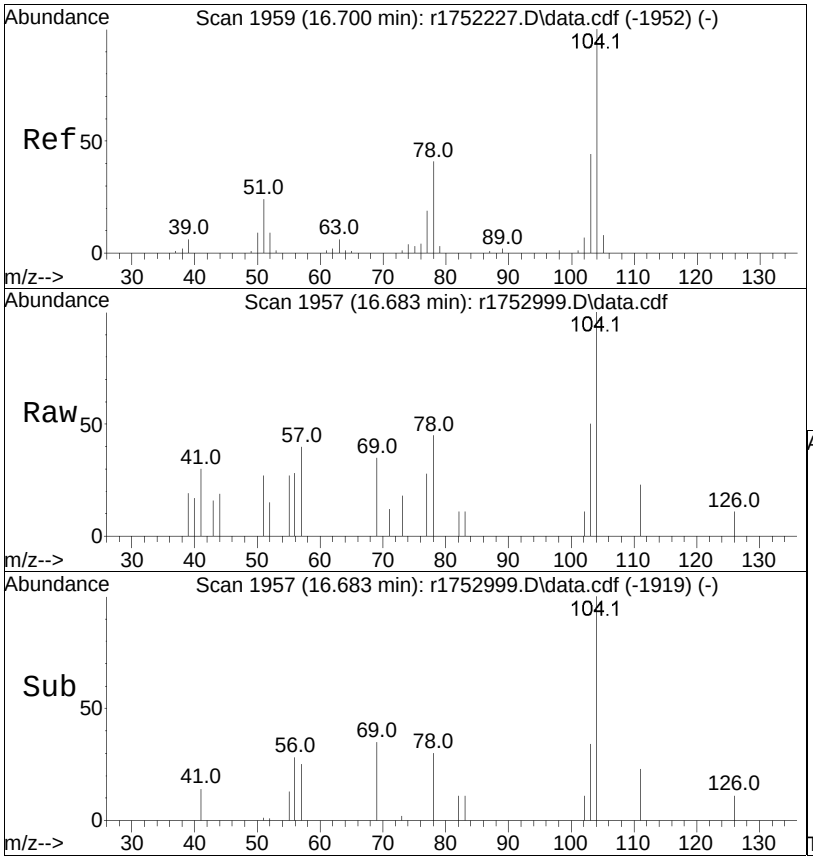


#83
m+p-xylene
Concen: 0.17 ppbV
RT: 16.342 min Scan# 1916
Delta R.T. -0.033 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 91 Resp: 14486

Ion	Ratio	Lower	Upper
91	100		
106	51.1	41.1	61.7

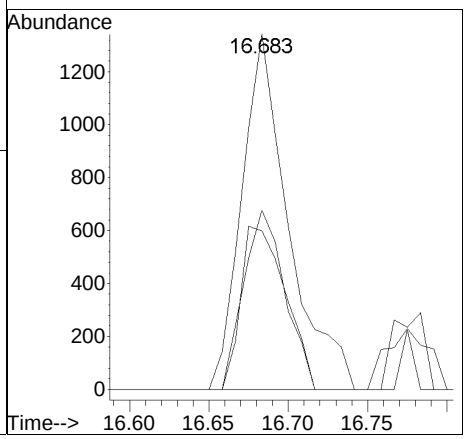


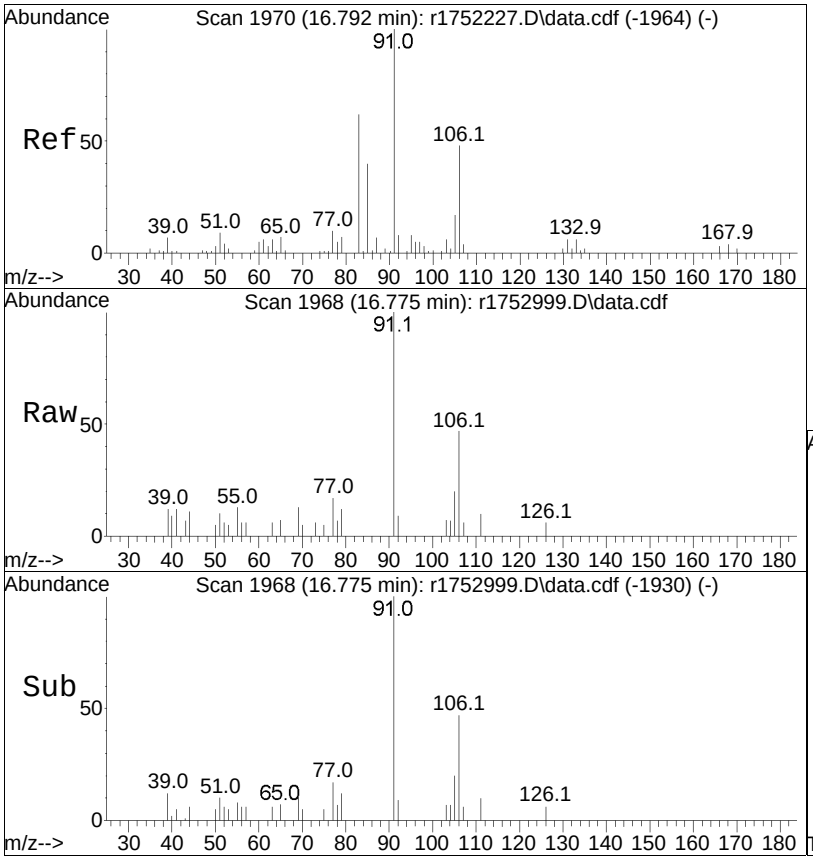


#85
styrene
Concen: 0.04 ppbV
RT: 16.683 min Scan# 1957
Delta R.T. -0.017 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:104 Resp: 2743

Ion	Ratio	Lower	Upper
104	100		
103	50.4	34.9	52.3
78	44.6	33.0	49.4

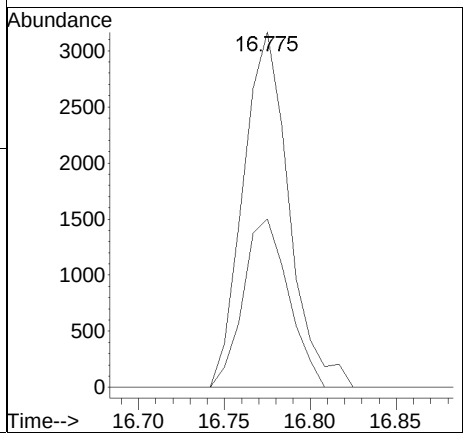


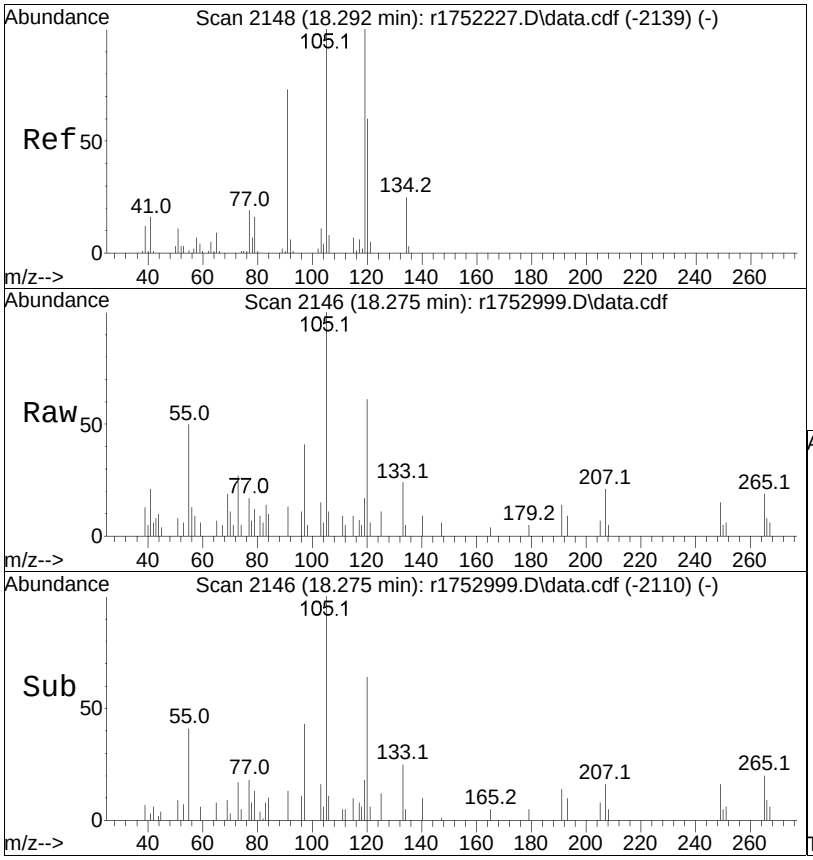


#87
o-xylene
Concen: 0.07 ppbV
RT: 16.775 min Scan# 1968
Delta R.T. -0.017 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion: 91 Resp: 5890

Ion	Ratio	Lower	Upper
91	100		
106	47.4	38.4	57.6

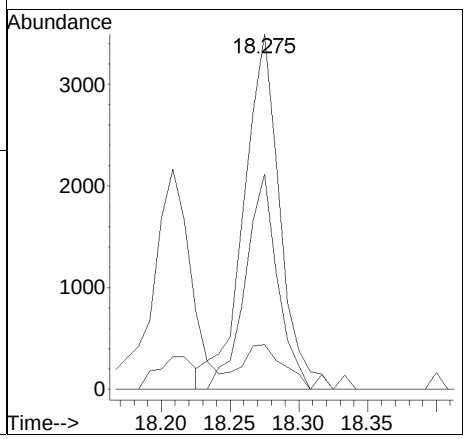




#99
1,2,4-trimethylbenzene
Concen: 0.07 ppbV
RT: 18.275 min Scan# 2146
Delta R.T. -0.017 min
Lab File: r1752999.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:105 Resp: 6489

Ion	Ratio	Lower	Upper
105	100		
120	60.6	48.0	72.0
91	12.6	58.3	87.5#

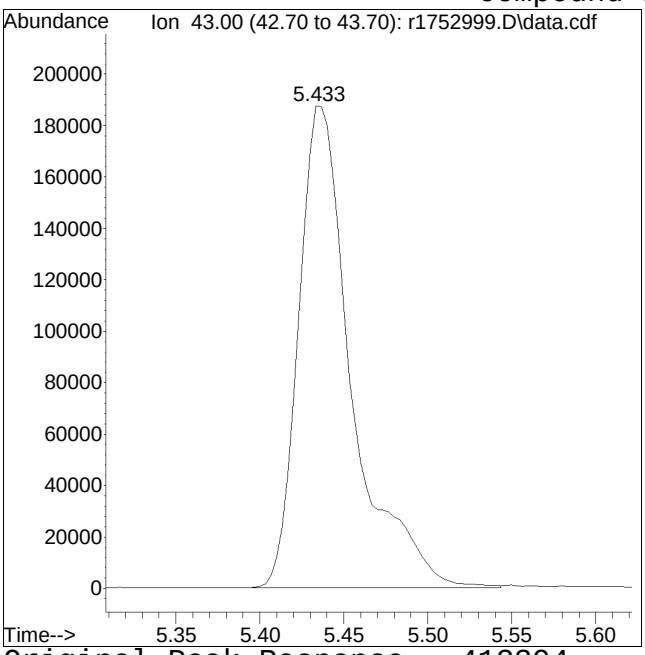


Manual Integration Report

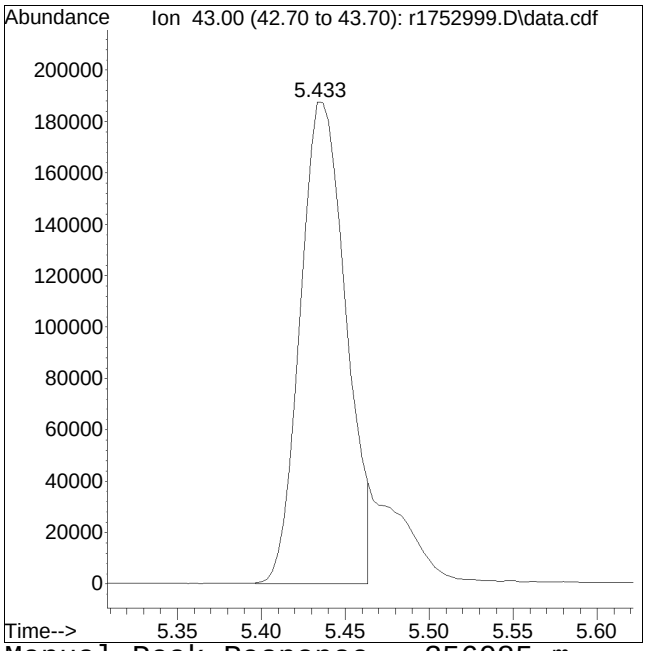
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752999.D
Date Inj'd : 12/19/2025 1:50 AM
Sample : L2577500-13,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:21 am

Compound #19: acetone



Original Peak Response = 412394



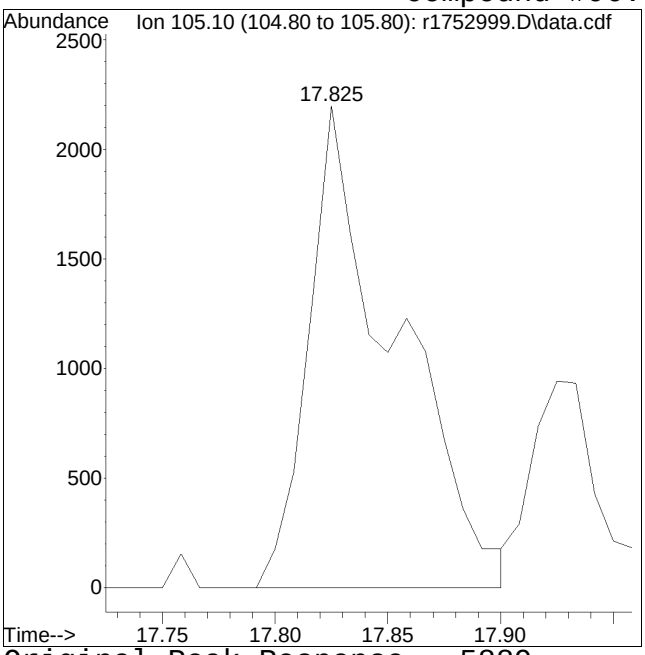
Manual Peak Response = 356085 m

Manual Integration Report

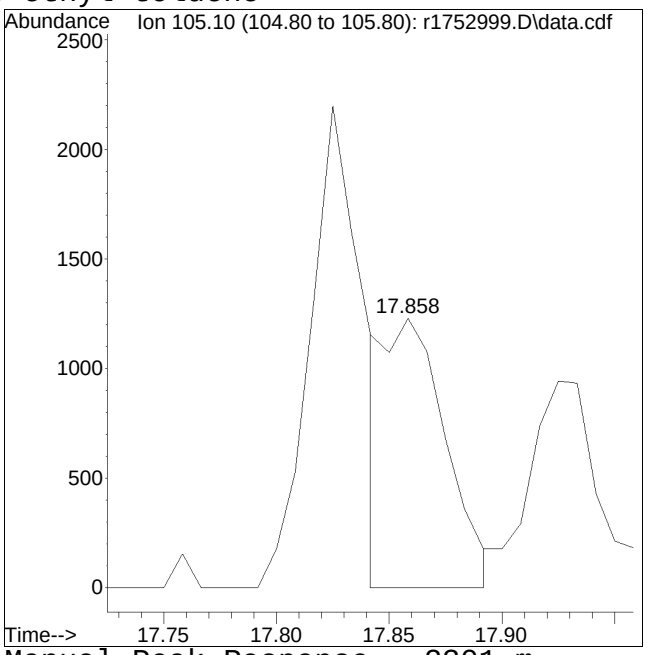
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752999.D
Date Inj'd : 12/19/2025 1:50 AM
Sample : L2577500-13,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:21 am

Compound #96: 4-ethyl toluene



Original Peak Response = 5889



Manual Peak Response = 2301 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237350.D
Acq On : 19 Dec 2025 02:28 am
Operator : AIRLAB23:TPH
Sample : L2577500-20,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 07:18:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.871	49	203974	10.000	ppbV	0.00
Standard Area = 206017			Recovery = 99.01%			
43) 1,4-difluorobenzene	11.057	114	830223	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 100.71%			
67) chlorobenzene-D5	15.735	54	104612	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 101.78%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.868	85	103995	1.886	ppbV	99
6) chloromethane	4.038	50	7359	0.481	ppbV	96
7) Freon-114	0.000		0	N.D.		
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.395		0	N.D.		
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	5.004	31	1875377	238.465	ppbV	86
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.485	43	225195M6	11.305	ppbV	
21) trichlorofluoromethane	5.672	101	10926	0.186	ppbV	100
22) isopropyl alcohol	5.783	45	250177	11.933	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.443	59	6506	0.247	ppbV #	69
28) methylene chloride	6.499	49	1976	0.112	ppbV	92
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.813		0	N.D.		
31) Freon 113	6.801	101	2941	0.062	ppbV	99
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	8.208	43	8014	0.315	ppbV	99
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	8.961	61	2765	0.581	ppbV #	24
39) chloroform	9.018	83	2007	0.044	ppbV #	93
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.841		0	N.D.		
44) hexane	8.936	57	10731	0.486	ppbV #	26

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237350.D
Acq On : 19 Dec 2025 02:28 am
Operator : AIRLAB23:TPH
Sample : L2577500-20,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 07:18:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.			
50)	benzene	10.642	78	22260	0.368	ppbV		100
52)	carbon tetrachloride	10.812	117	3867	0.069	ppbV		97
53)	cyclohexane	10.953	56	2339	0.106	ppbV		89
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	11.839	130	96349	2.667	ppbV		99
60)	2,2,4-trimethylpentane	11.896	57	14338	0.210	ppbV		99
62)	heptane	12.207	43	5509	0.263	ppbV		98
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	13.980	91	71176	0.983	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	15.148	166	20726	0.456	ppbV		97
80)	chlorobenzene	15.787		0	N.D.			
81)	ethylbenzene	16.109	91	16517	0.178	ppbV		99
83)	m+p-xylene	16.257	91	37638	0.535	ppbV		97
84)	bromoform	0.000		0	N.D.			
85)	styrene	16.579	104	2342	0.042	ppbV		95
86)	1,1,2,2-tetrachloroethane	16.710		0	N.D.			
87)	o-xylene	16.666	91	15798	0.222	ppbV		98
96)	4-ethyl toluene	17.676	105	4702M6	0.050	ppbV		
97)	1,3,5-trimethylbenzene	17.746	105	5787	0.073	ppbV		92
99)	1,2,4-trimethylbenzene	18.079	105	25313	0.301	ppbV	#	54
101)	Benzyl Chloride	18.263		0	N.D.			
102)	1,3-dichlorobenzene	18.263		0	N.D.			
103)	1,4-dichlorobenzene	18.263		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.081		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237350.D
Acq On : 19 Dec 2025 02:28 am
Operator : AIRLAB23:TPH
Sample : L2577500-20,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 07:18:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

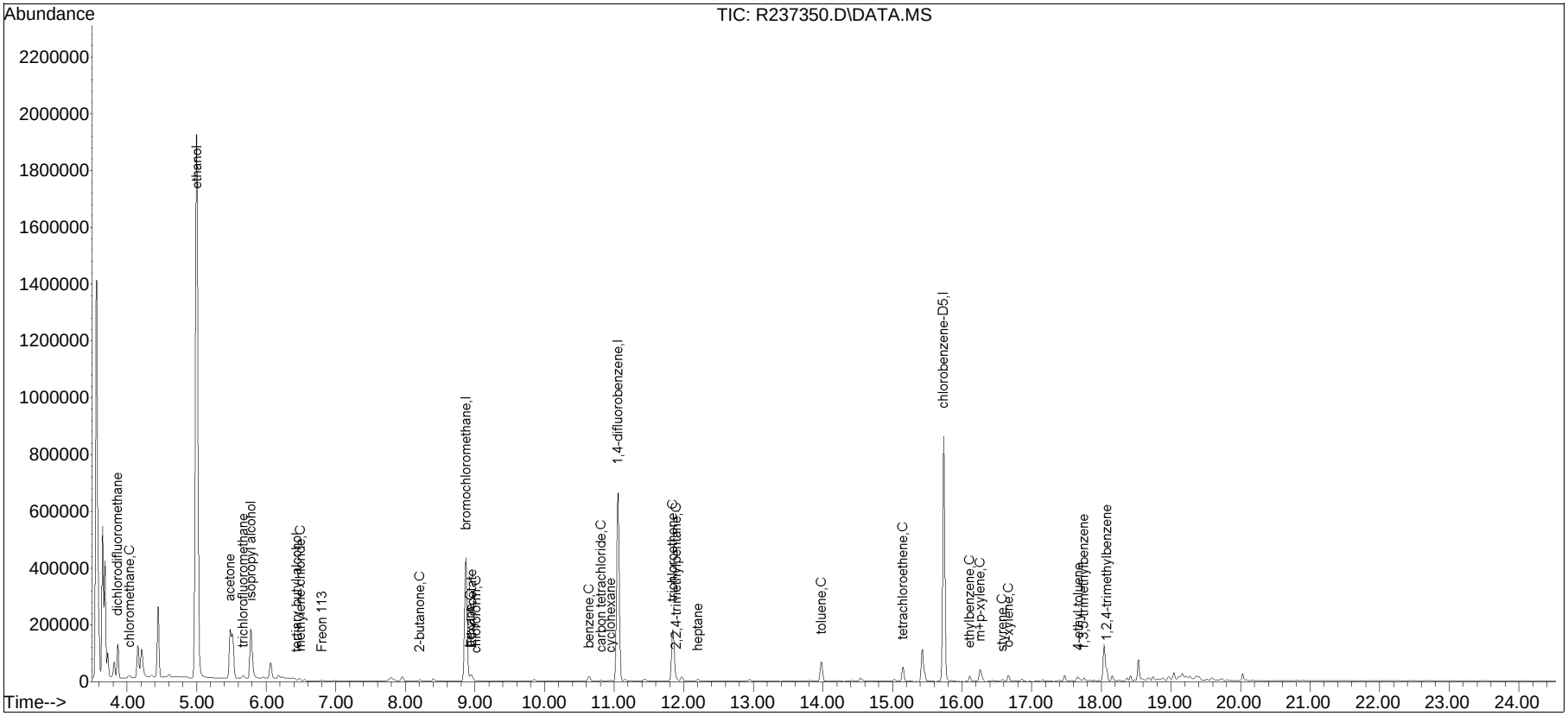
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

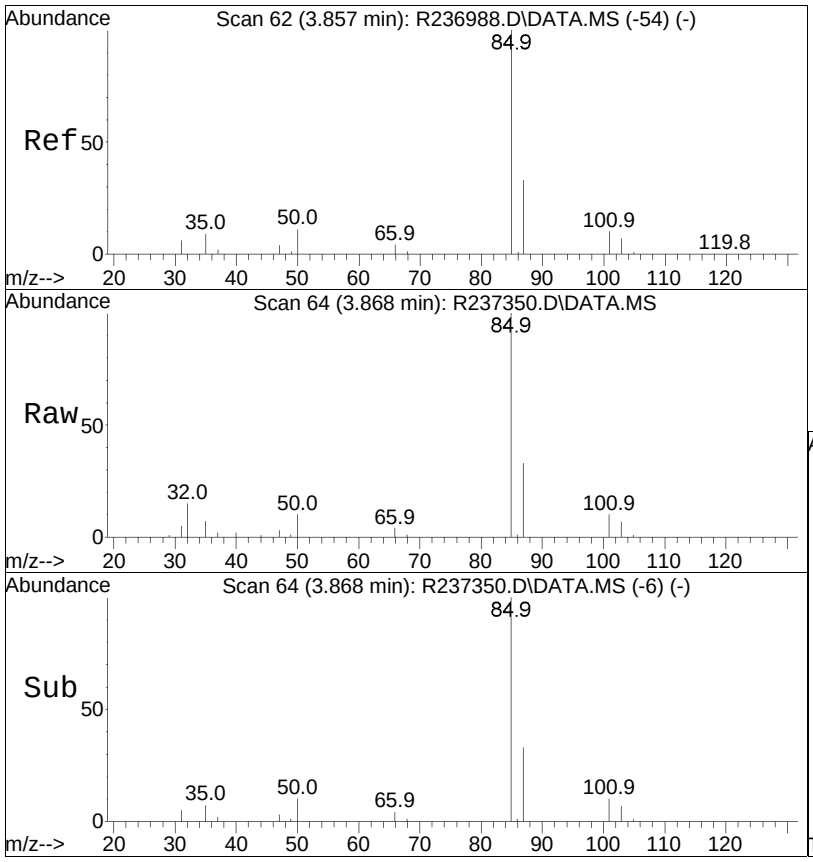
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237350.D
Acq On : 19 Dec 2025 02:28 am
Operator : AIRLAB23:TPH
Sample : L2577500-20,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 07:18:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

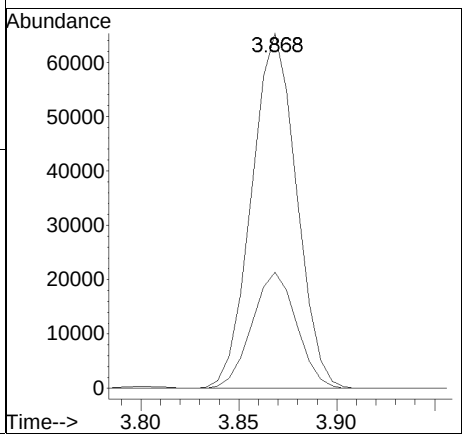


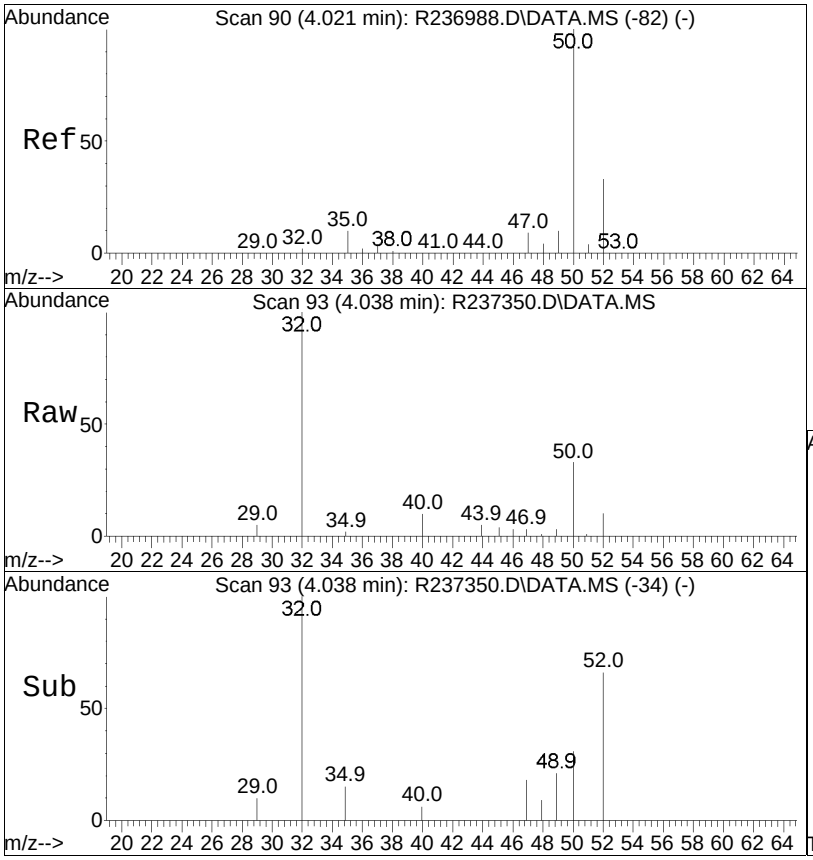


#5
dichlorodifluoromethane
Concen: 1.89 ppbV
RT: 3.868 min Scan# 64
Delta R.T. 0.012 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 85 Resp: 103995

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.8	40.2

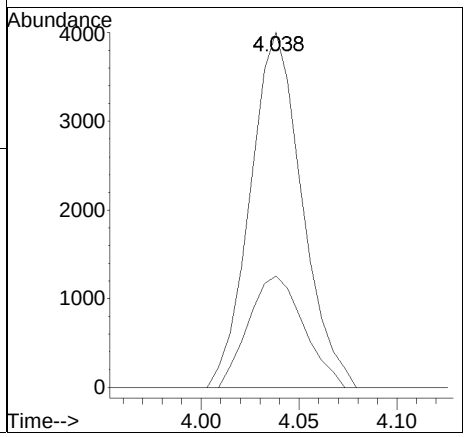


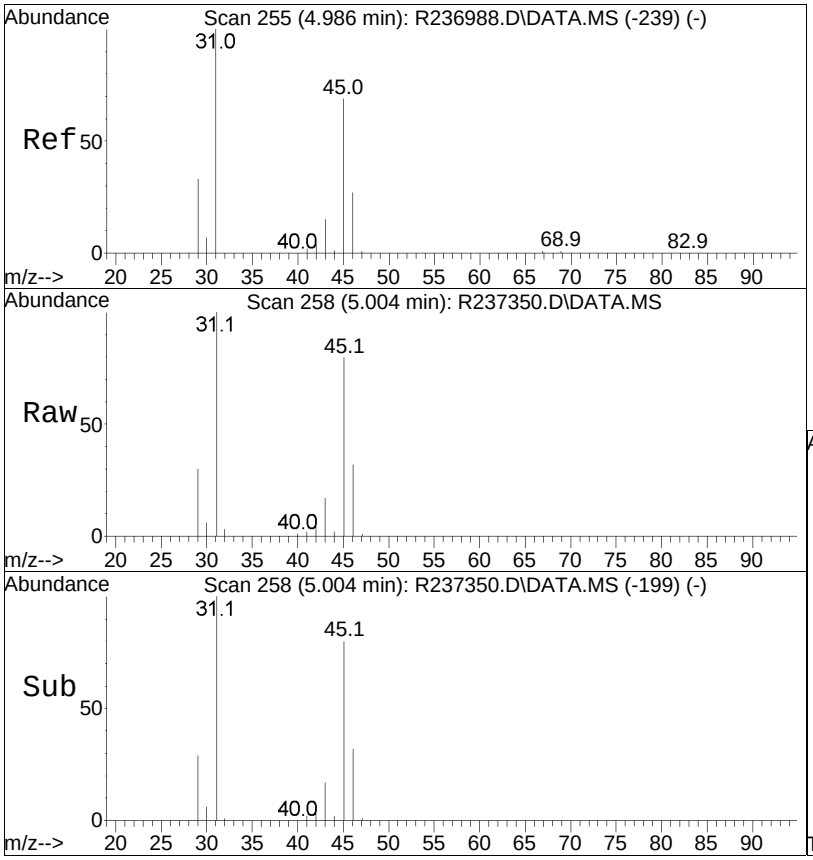


#6
chloromethane
Concen: 0.48 ppbV
RT: 4.038 min Scan# 93
Delta R.T. 0.018 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 50 Resp: 7359

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.8	40.2

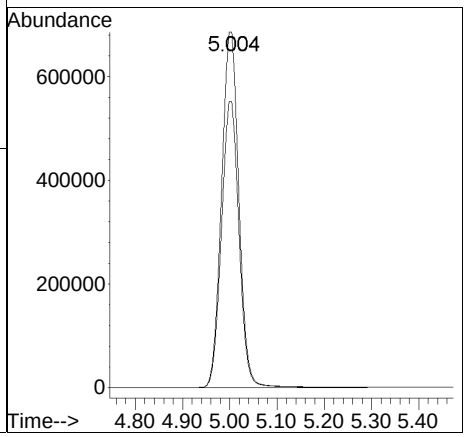


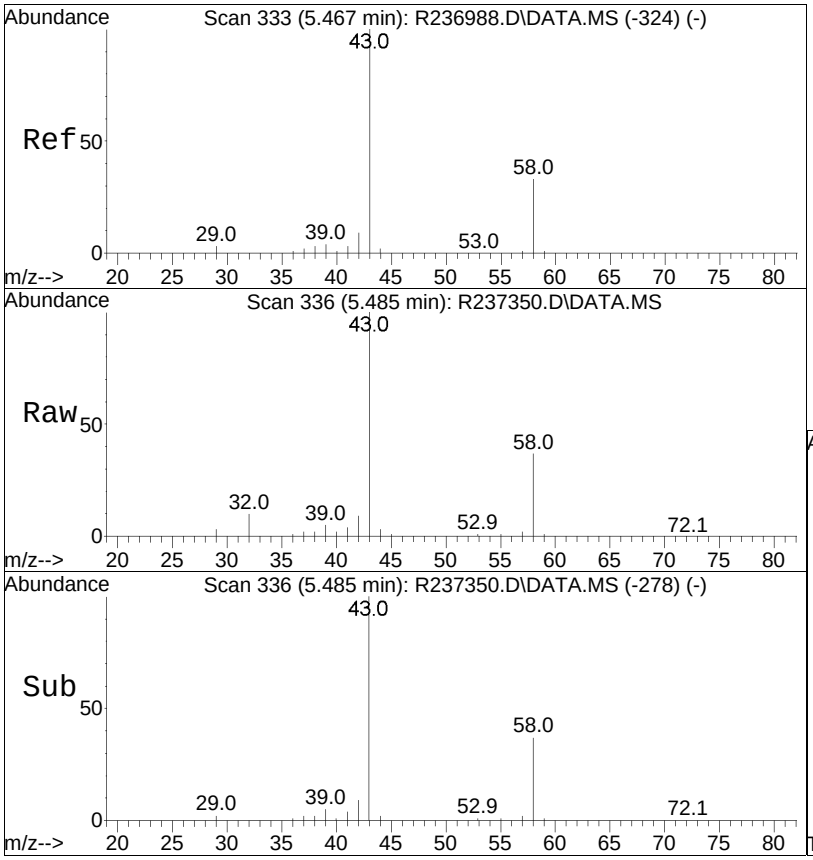


#15
ethanol
Concen: 238.46 ppbV
RT: 5.004 min Scan# 258
Delta R.T. 0.018 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 31 Resp: 1875377

Ion	Ratio	Lower	Upper
31	100		
45	80.5	55.0	82.6

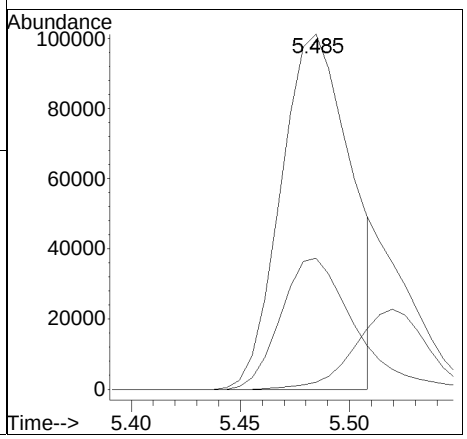


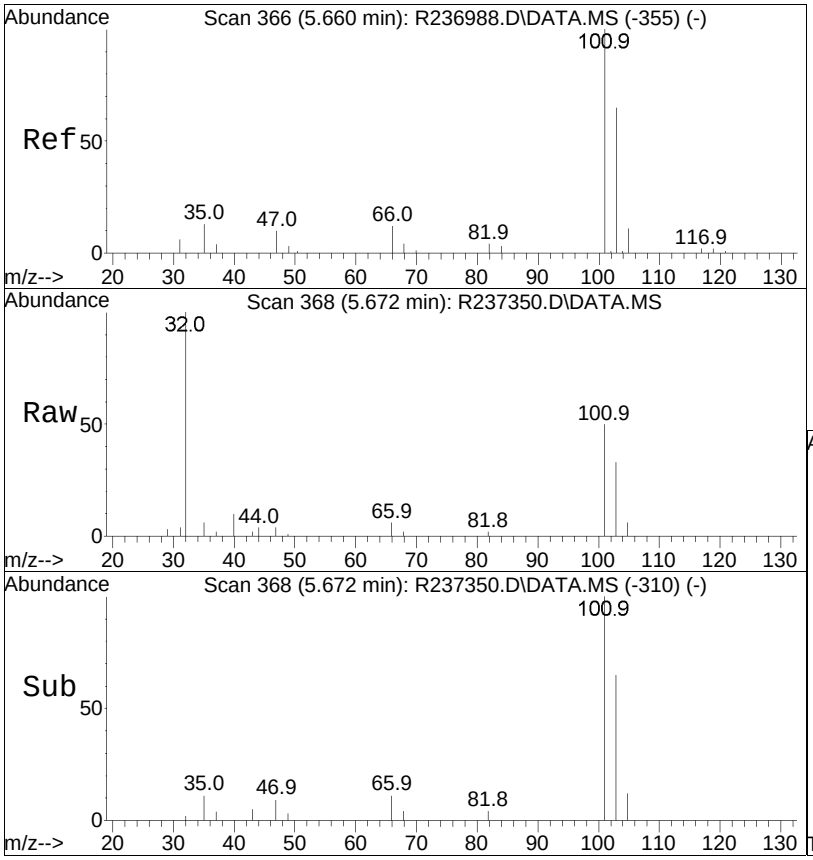


#19
acetone
Concen: 11.31 ppbV m
RT: 5.485 min Scan# 336
Delta R.T. 0.017 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 43 Resp: 225195

Ion	Ratio	Lower	Upper
43	100		
58	36.9	26.2	39.4
57	2.0	0.7	1.1#

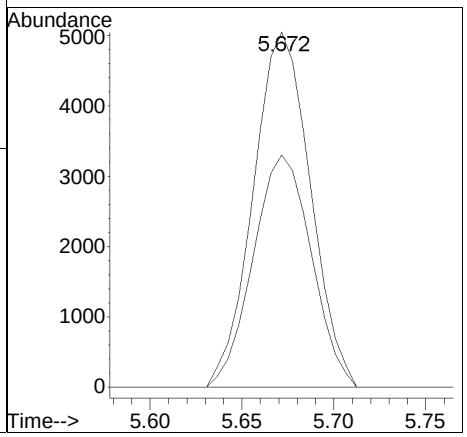


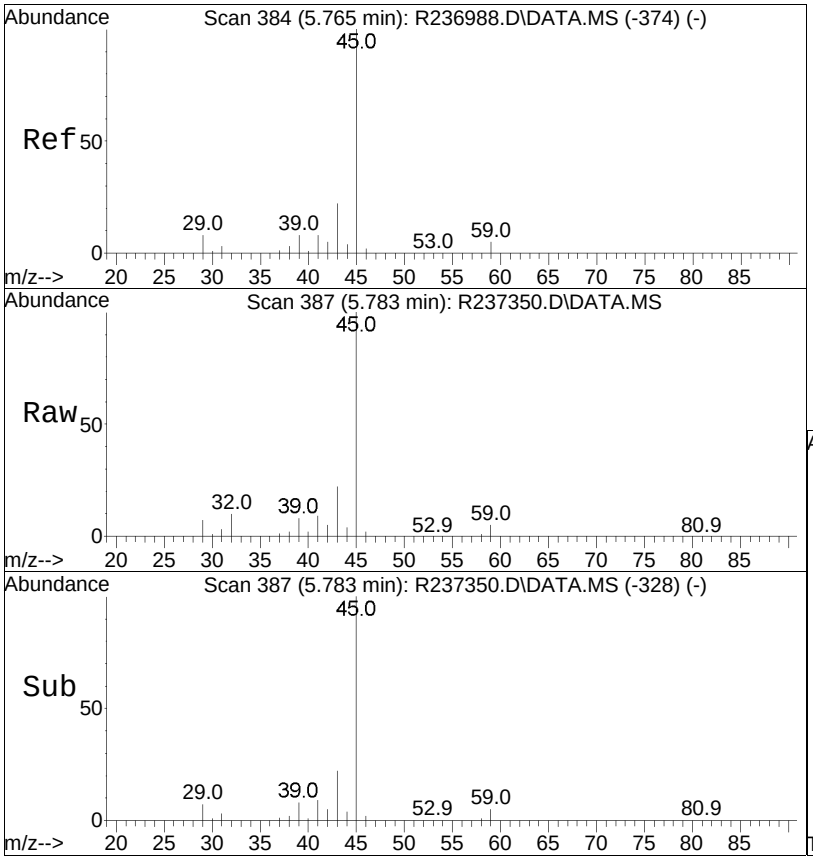


#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.672 min Scan# 368
Delta R.T. 0.012 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:101 Resp: 10926

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

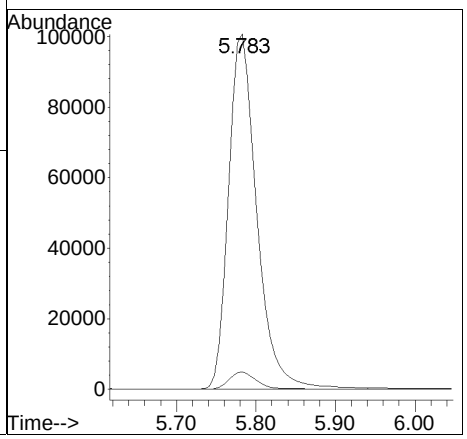


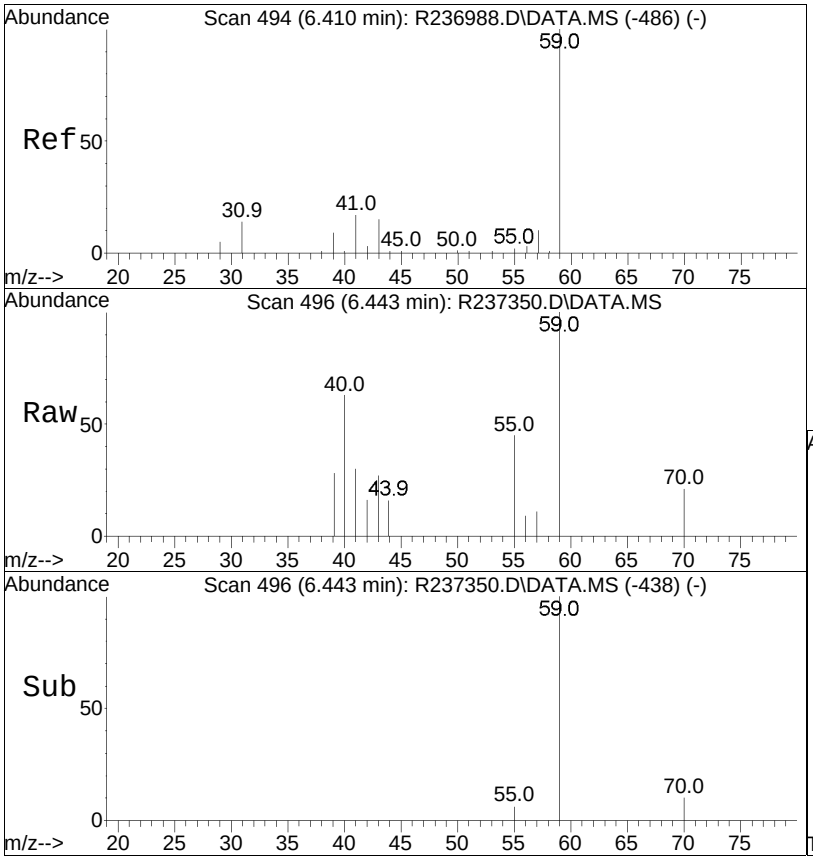


#22
isopropyl alcohol
Concen: 11.93 ppbV
RT: 5.783 min Scan# 387
Delta R.T. 0.018 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 45 Resp: 250177

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.8	5.6

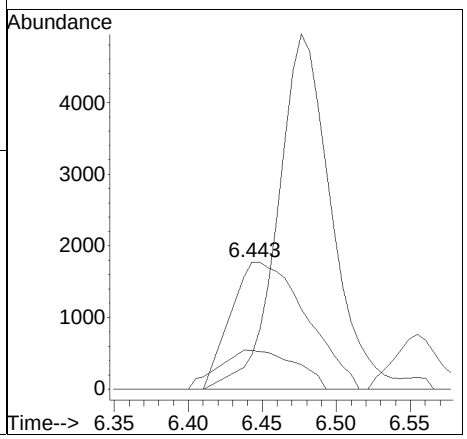


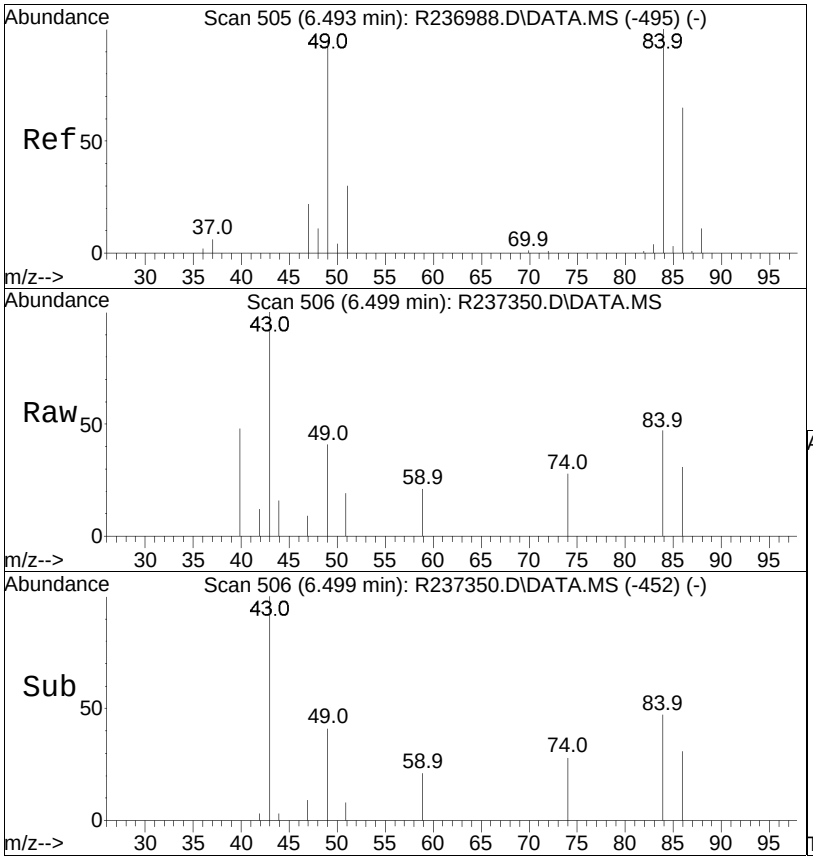


#27
tertiary butyl alcohol
Concen: 0.25 ppbV
RT: 6.443 min Scan# 496
Delta R.T. 0.033 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 59 Resp: 6506

Ion	Ratio	Lower	Upper
59	100		
41	30.5	13.6	20.4#
43	27.3	11.7	17.5#

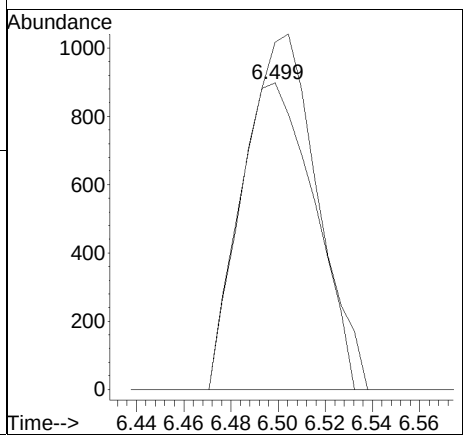


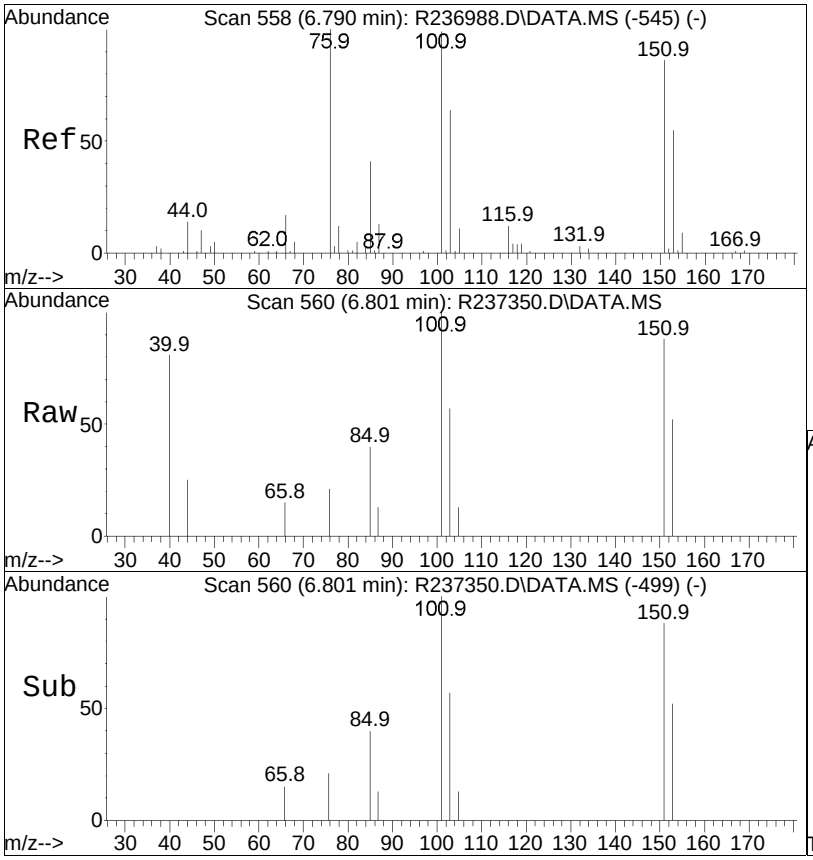


#28
methylene chloride
Concen: 0.11 ppbV
RT: 6.499 min Scan# 506
Delta R.T. 0.005 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 49 Resp: 1976

Ion	Ratio	Lower	Upper
49	100		
84	113.3	83.7	125.5

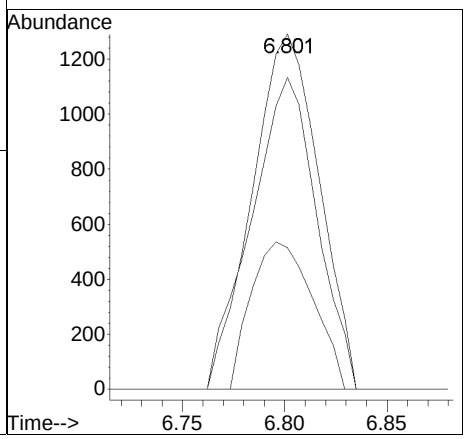


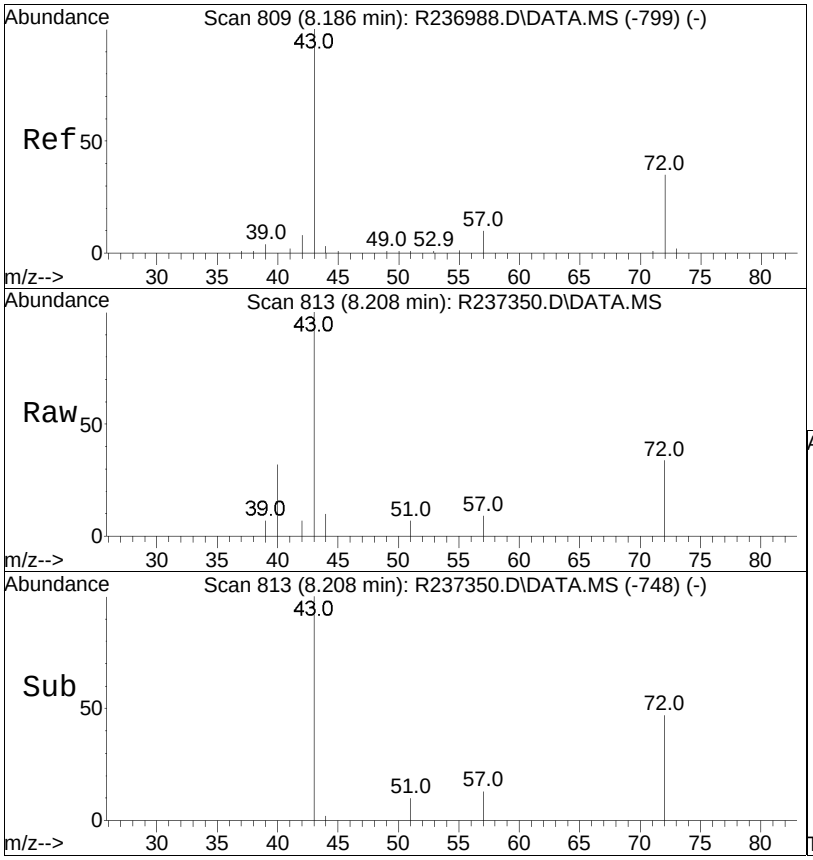


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.801 min Scan# 560
Delta R.T. 0.011 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:101 Resp: 2941

Ion	Ratio	Lower	Upper
101	100		
85	39.9	33.0	49.6
151	87.8	69.8	104.8

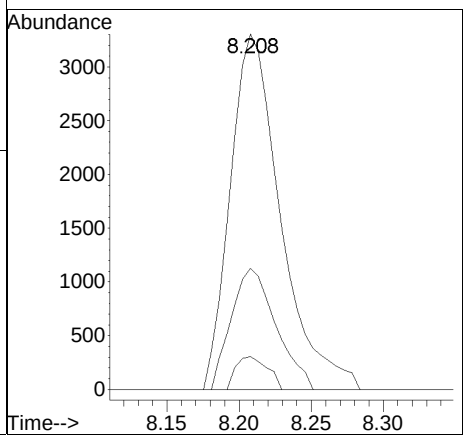


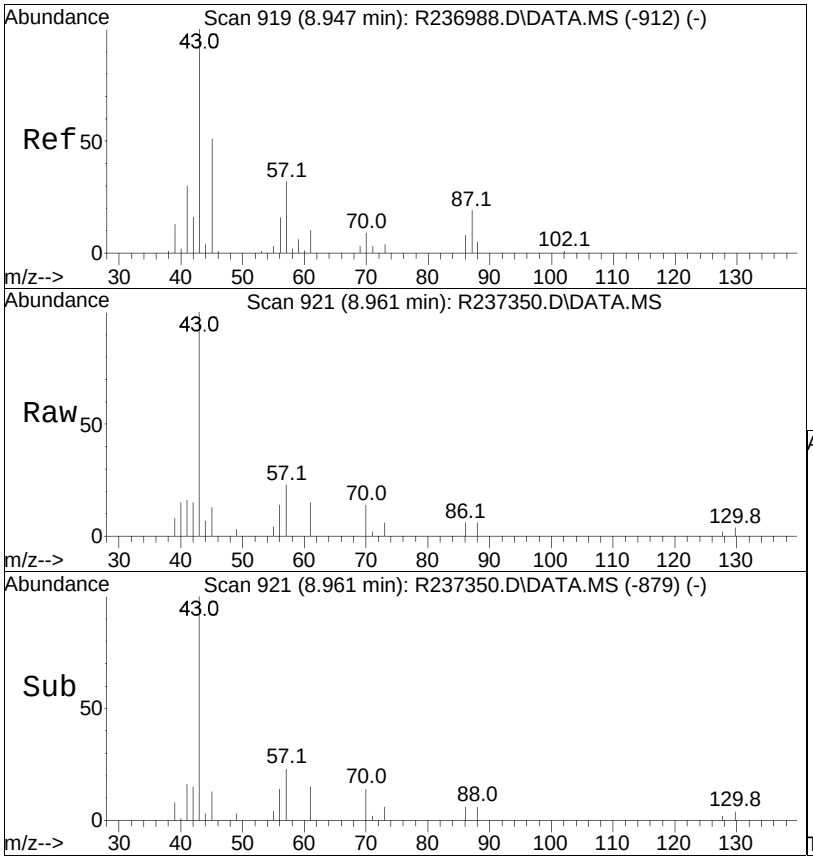


#36
2-butanone
Concen: 0.32 ppbV
RT: 8.208 min Scan# 813
Delta R.T. 0.022 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 43 Resp: 8014

Ion	Ratio	Lower	Upper
43	100		
72	34.1	27.8	41.6
57	9.2	7.7	11.5

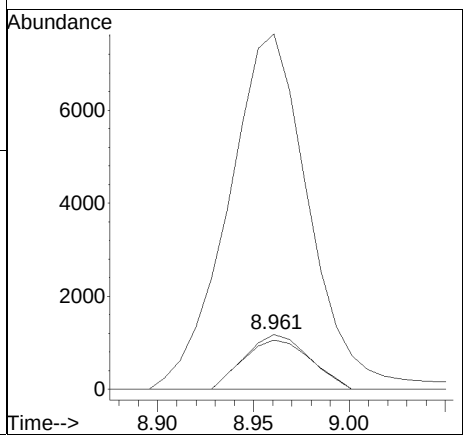


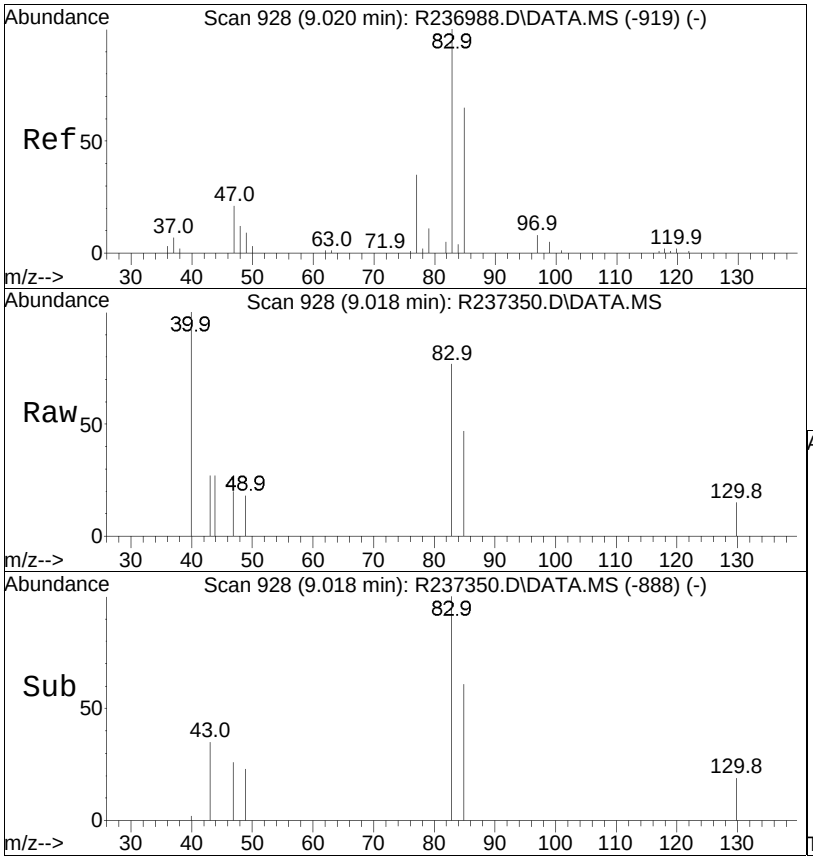


#38
Ethyl Acetate
Concen: 0.58 ppbV
RT: 8.961 min Scan# 921
Delta R.T. 0.014 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 61 Resp: 2765

Ion	Ratio	Lower	Upper
61	100		
70	90.1	72.2	108.2
43	646.9	818.1	1227.1#

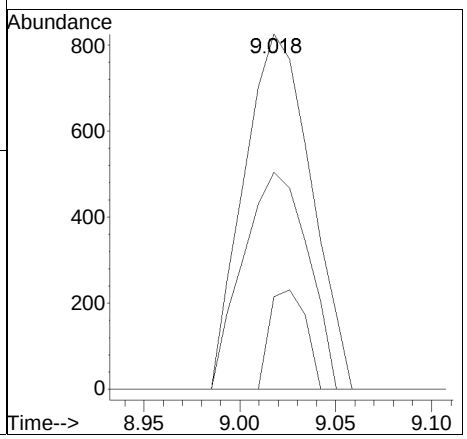


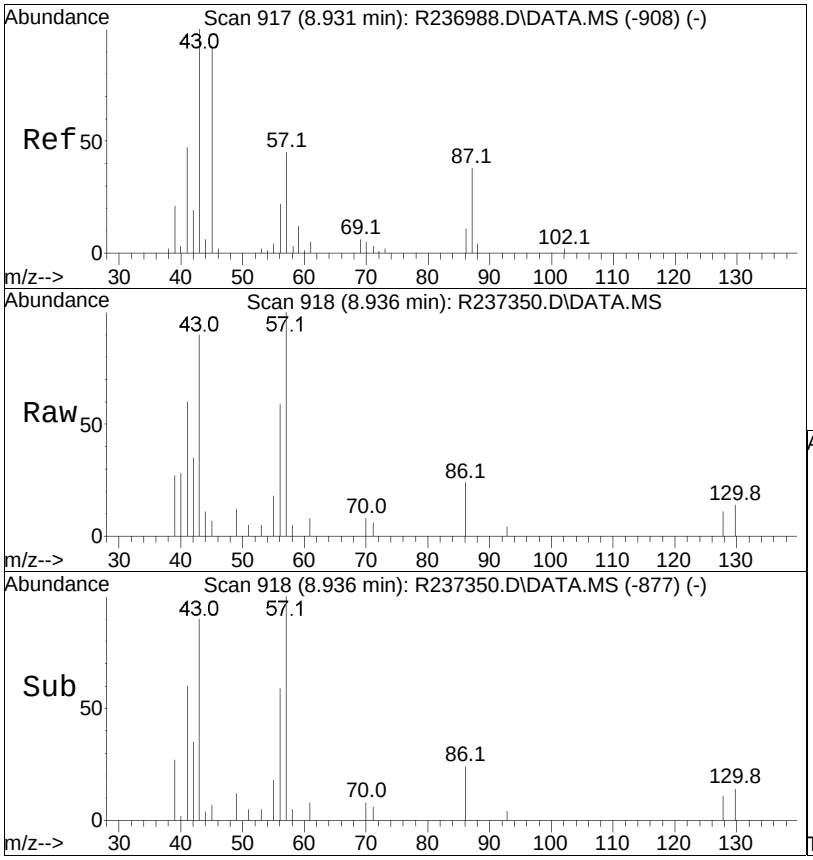


#39
chloroform
Concen: 0.04 ppbV
RT: 9.018 min Scan# 928
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 83 Resp: 2007

Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.3	78.5
47	26.1	17.1	25.7#

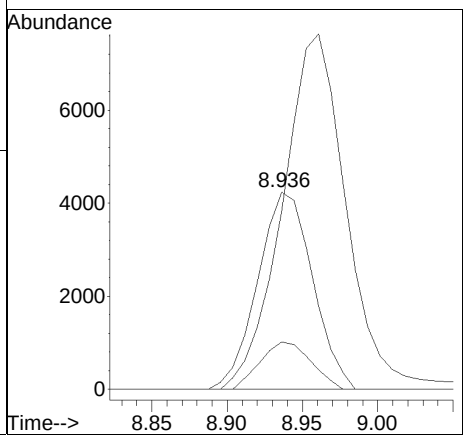


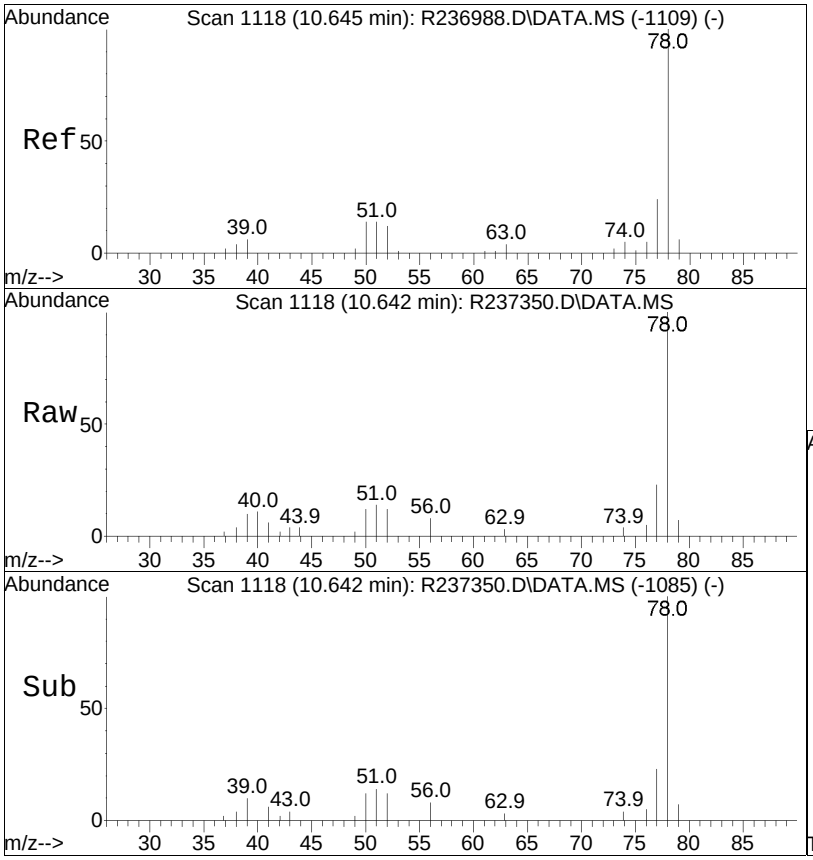


#44
hexane
Concen: 0.49 ppbV
RT: 8.936 min Scan# 918
Delta R.T. 0.006 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 57 Resp: 10731

Ion	Ratio	Lower	Upper
57	100		
43	90.5	177.1	265.7#
86	24.1	18.6	28.0

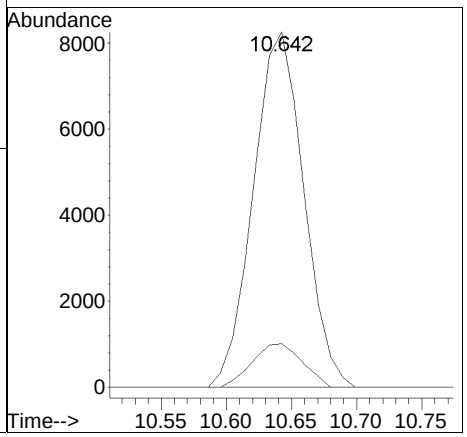


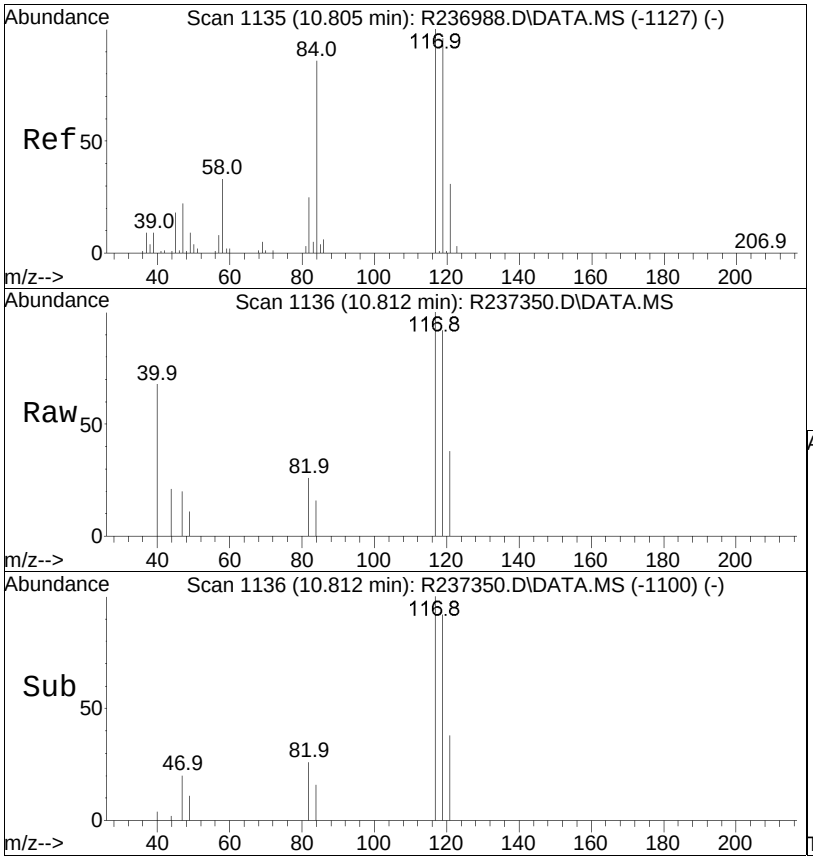


#50
benzene
Concen: 0.37 ppbV
RT: 10.642 min Scan# 1118
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 78 Resp: 22260

Ion	Ratio	Lower	Upper
78	100		
52	12.3	9.9	14.9

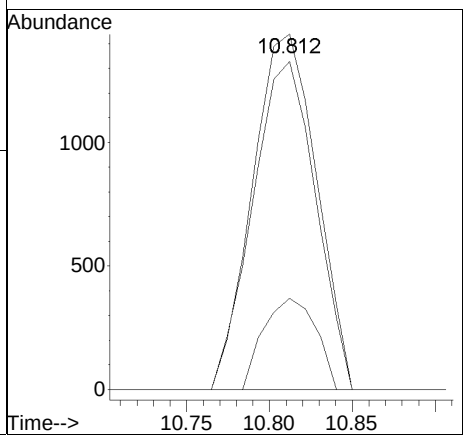


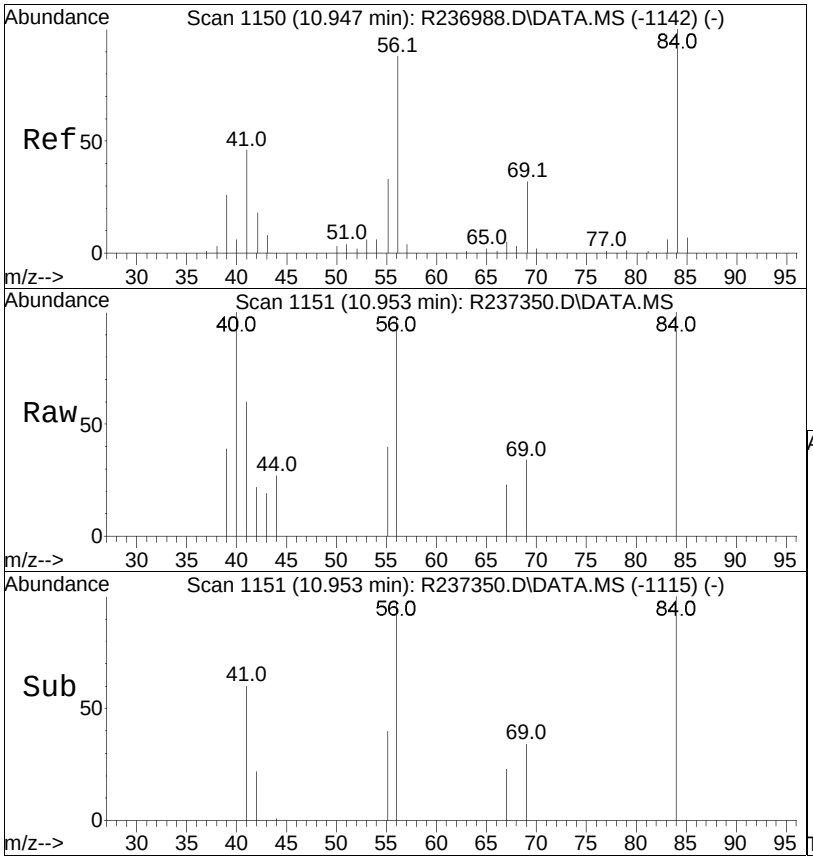


#52
carbon tetrachloride
Concen: 0.07 ppbV
RT: 10.812 min Scan# 1136
Delta R.T. 0.007 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:117 Resp: 3867

Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.9	115.3
82	25.6	20.0	30.0

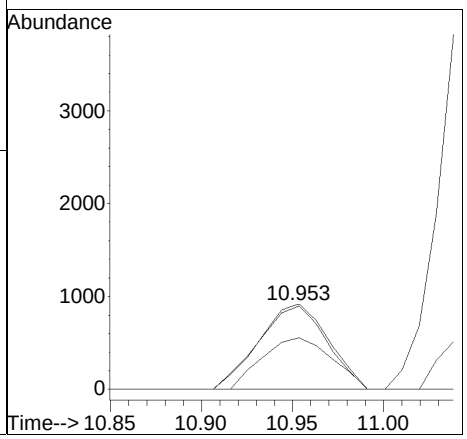


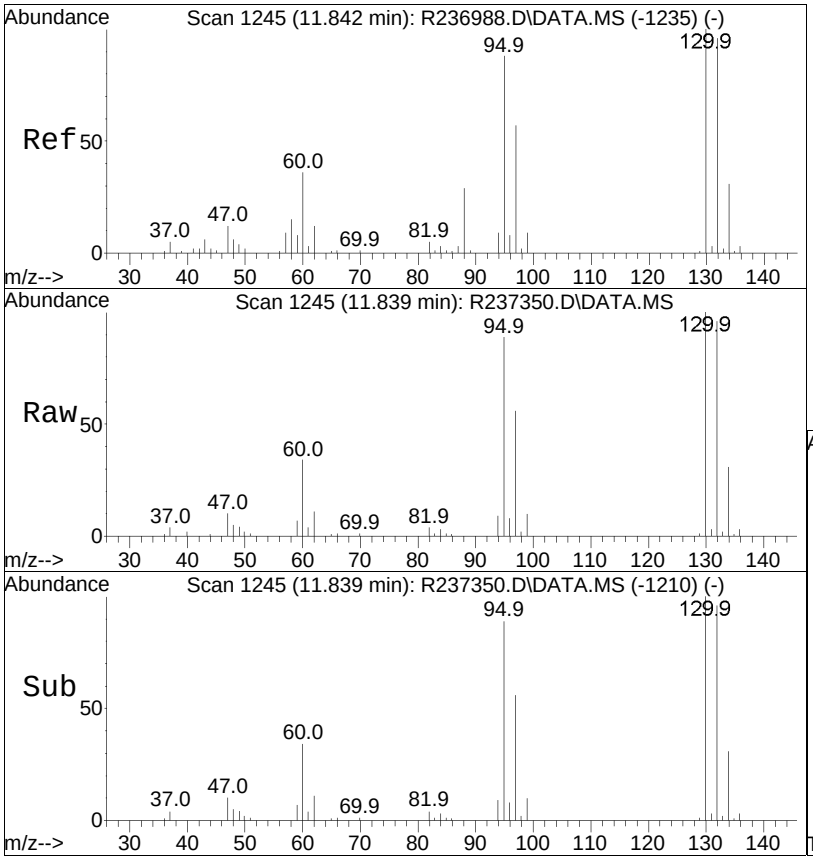


#53
cyclohexane
Concen: 0.11 ppbV
RT: 10.953 min Scan# 1151
Delta R.T. 0.007 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 56 Resp: 2339

Ion	Ratio	Lower	Upper
56	100		
84	102.7	91.1	136.7
41	62.0	42.2	63.2

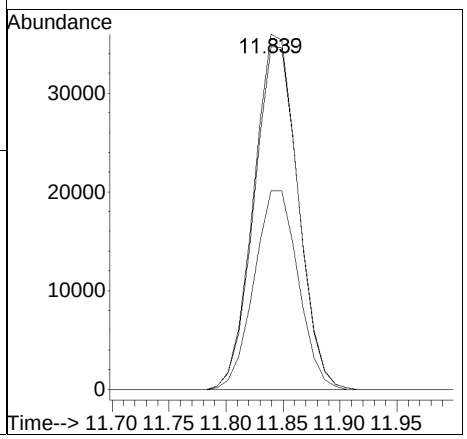


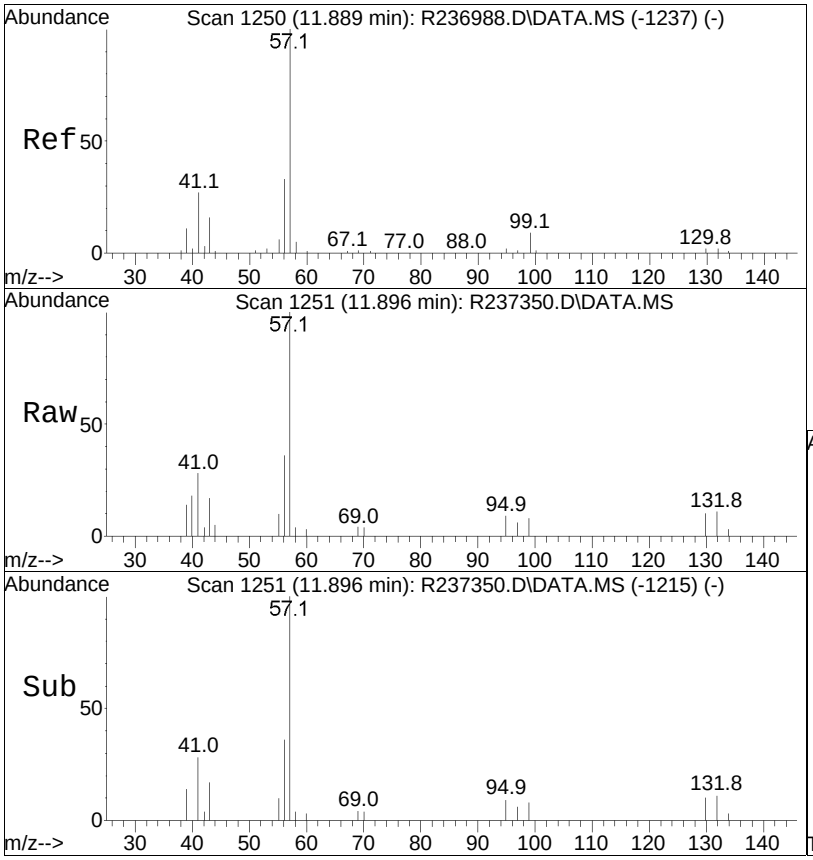


#59
trichloroethene
Concen: 2.67 ppbV
RT: 11.839 min Scan# 1245
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:130 Resp: 96349

Ion	Ratio	Lower	Upper
130	100		
132	96.4	76.7	115.1
97	55.9	45.7	68.5

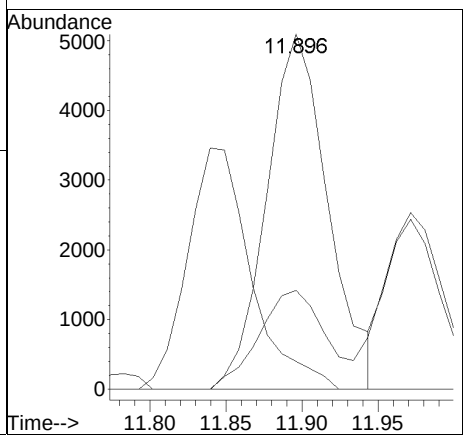


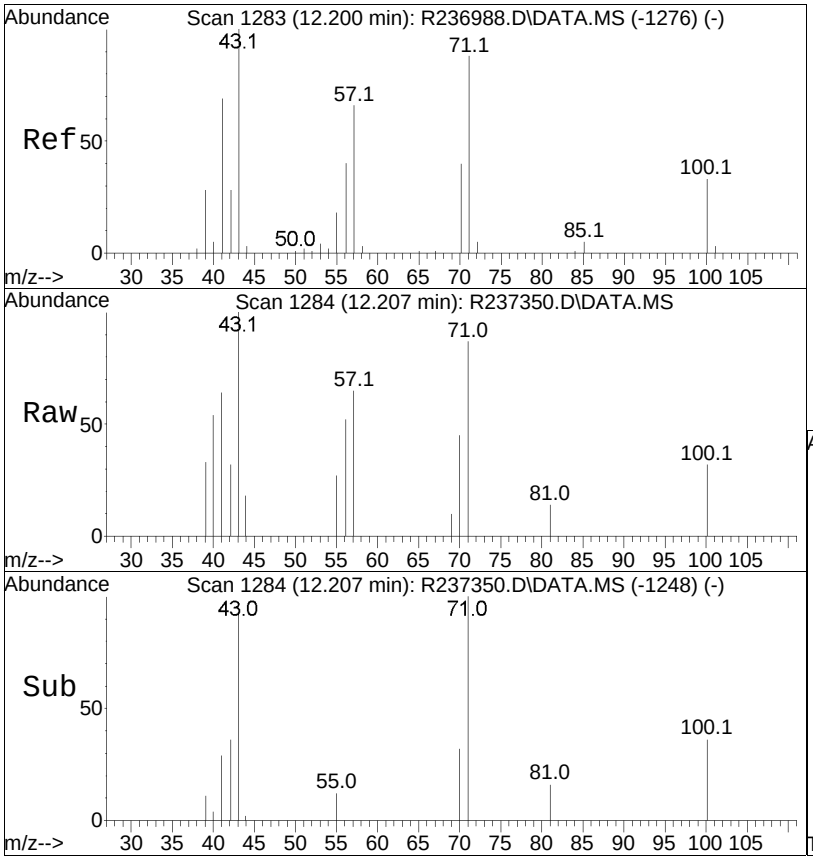


#60
2,2,4-trimethylpentane
Concen: 0.21 ppbV
RT: 11.896 min Scan# 1251
Delta R.T. 0.007 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 57 Resp: 14338

Ion	Ratio	Lower	Upper
57	100		
99	7.9	6.8	10.2
41	27.9	21.8	32.8

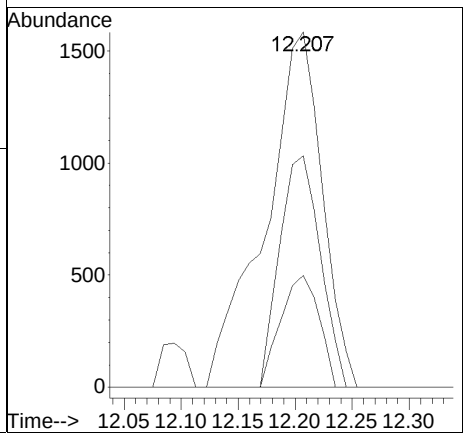


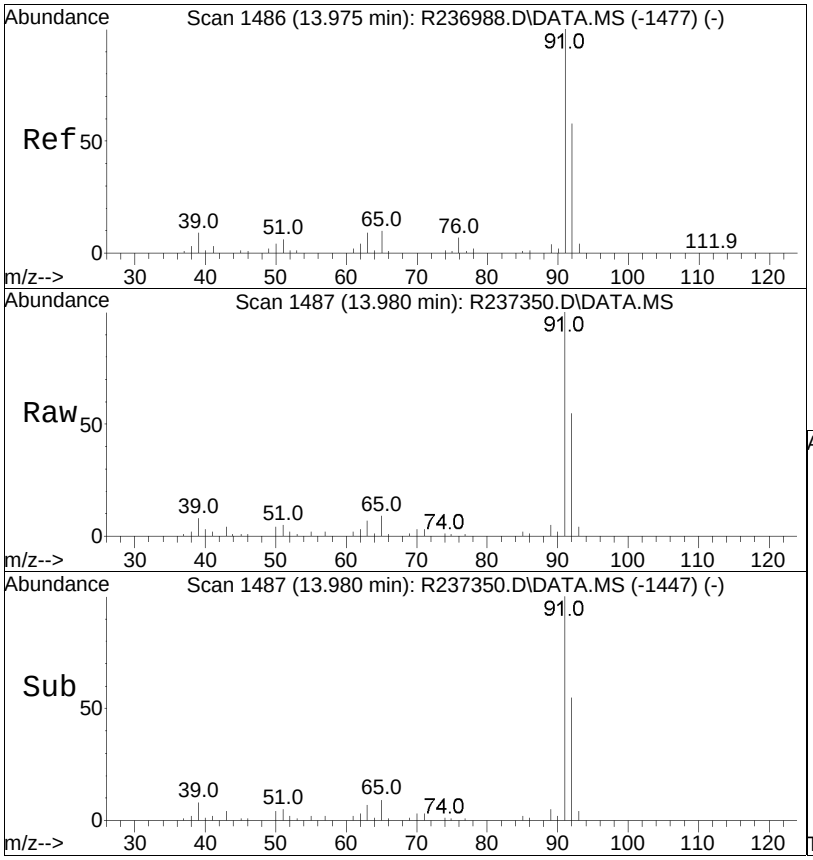


#62
heptane
Concen: 0.26 ppbV
RT: 12.207 min Scan# 1284
Delta R.T. 0.007 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 43 Resp: 5509

Ion	Ratio	Lower	Upper
43	100		
57	65.2	52.8	79.2
100	31.5	26.8	40.2

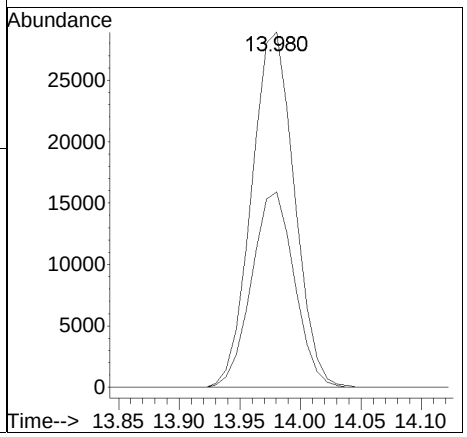


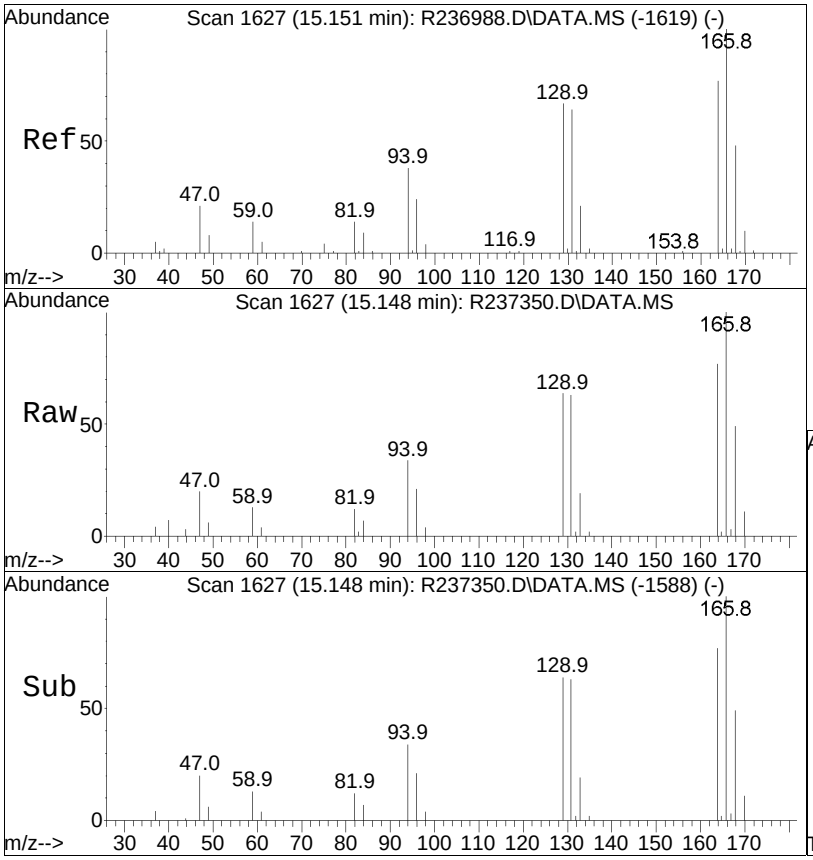


#68
toluene
Concen: 0.98 ppbV
RT: 13.980 min Scan# 1487
Delta R.T. 0.006 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 91 Resp: 71176

Ion	Ratio	Lower	Upper
91	100		
92	55.0	46.6	70.0

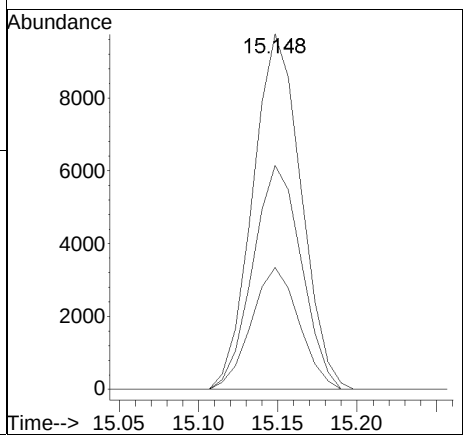


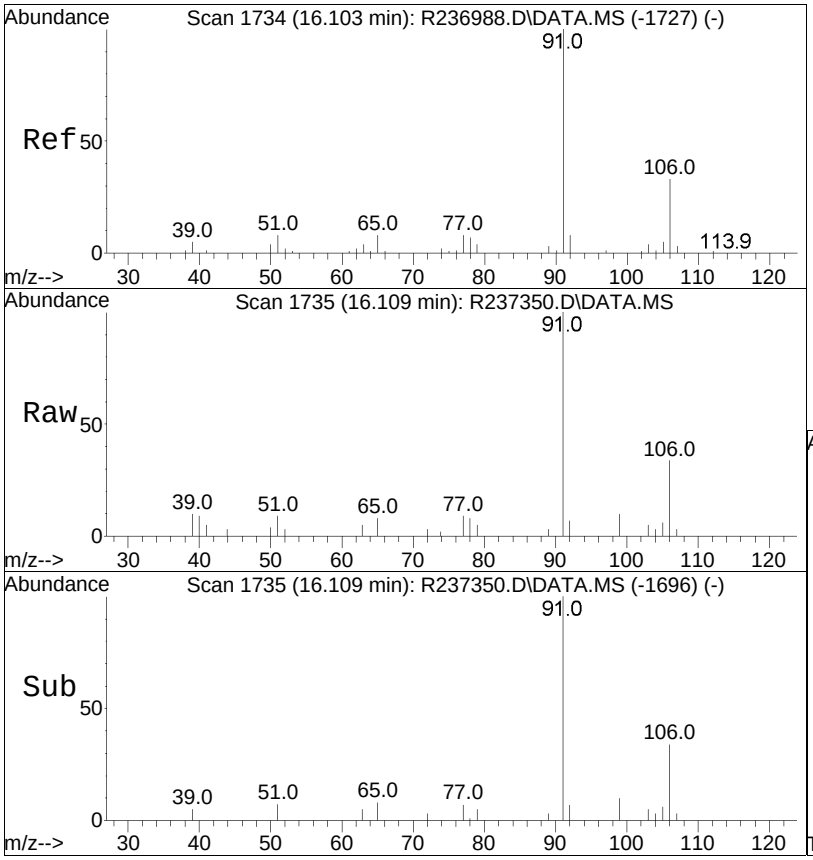


#78
tetrachloroethene
Concen: 0.46 ppbV
RT: 15.148 min Scan# 1627
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:166 Resp: 20726

Ion	Ratio	Lower	Upper
166	100		
131	63.0	51.4	77.0
94	34.3	30.2	45.2

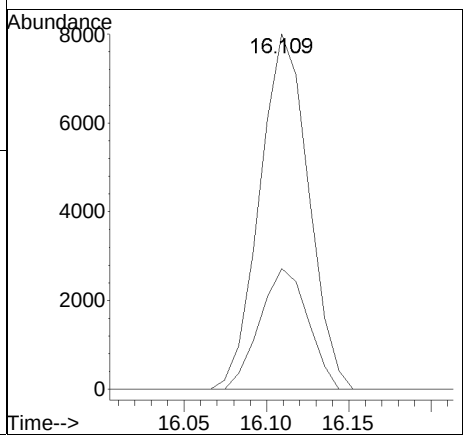


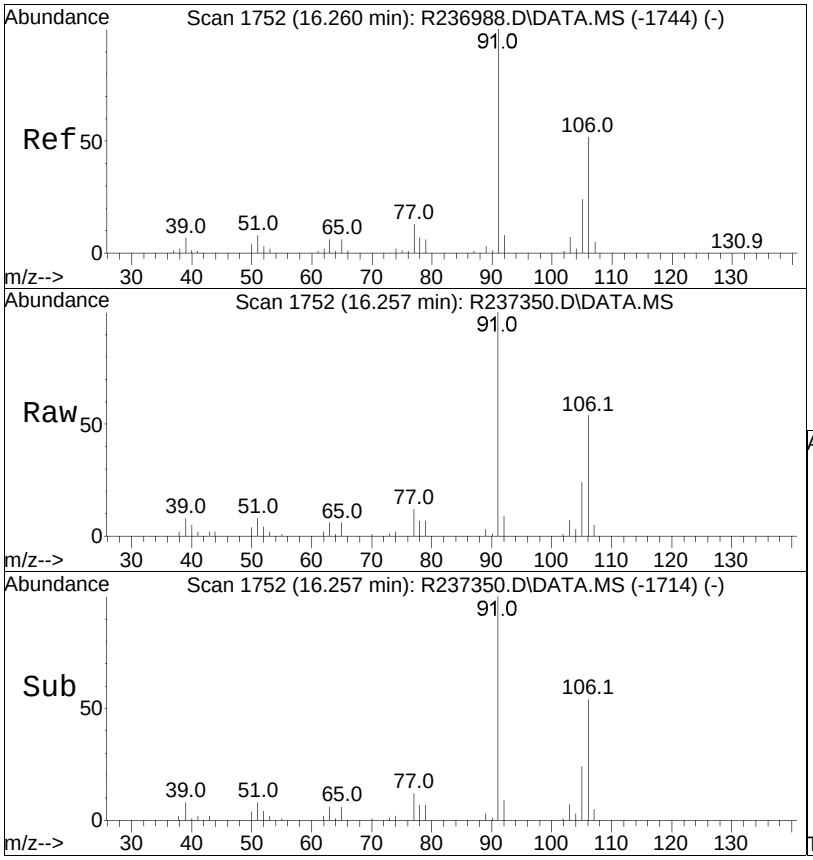


#81
ethylbenzene
Concen: 0.18 ppbV
RT: 16.109 min Scan# 1735
Delta R.T. 0.006 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 91 Resp: 16517

Ion	Ratio	Lower	Upper
91	100		
106	34.0	26.6	40.0

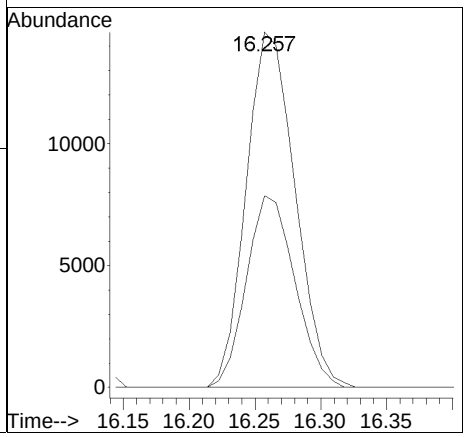


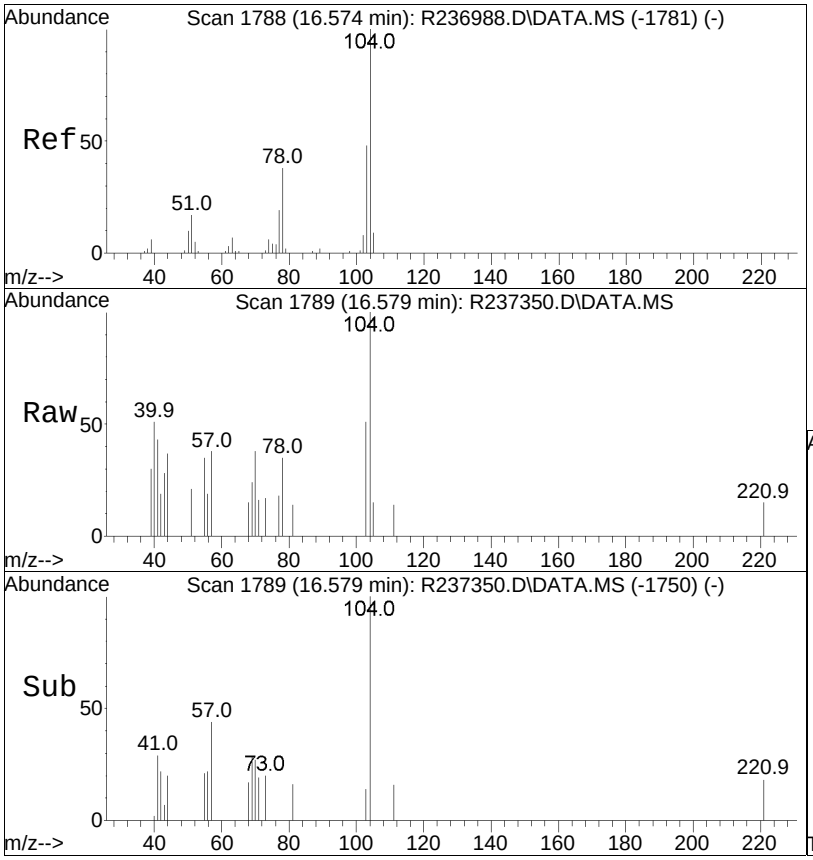


#83
m+p-xylene
Concen: 0.54 ppbV
RT: 16.257 min Scan# 1752
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 91 Resp: 37638

Ion	Ratio	Lower	Upper
91	100		
106	53.9	41.7	62.5

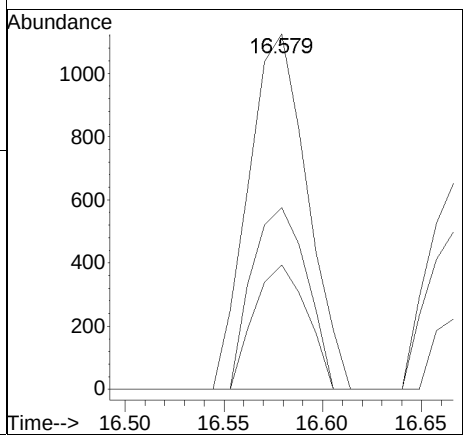


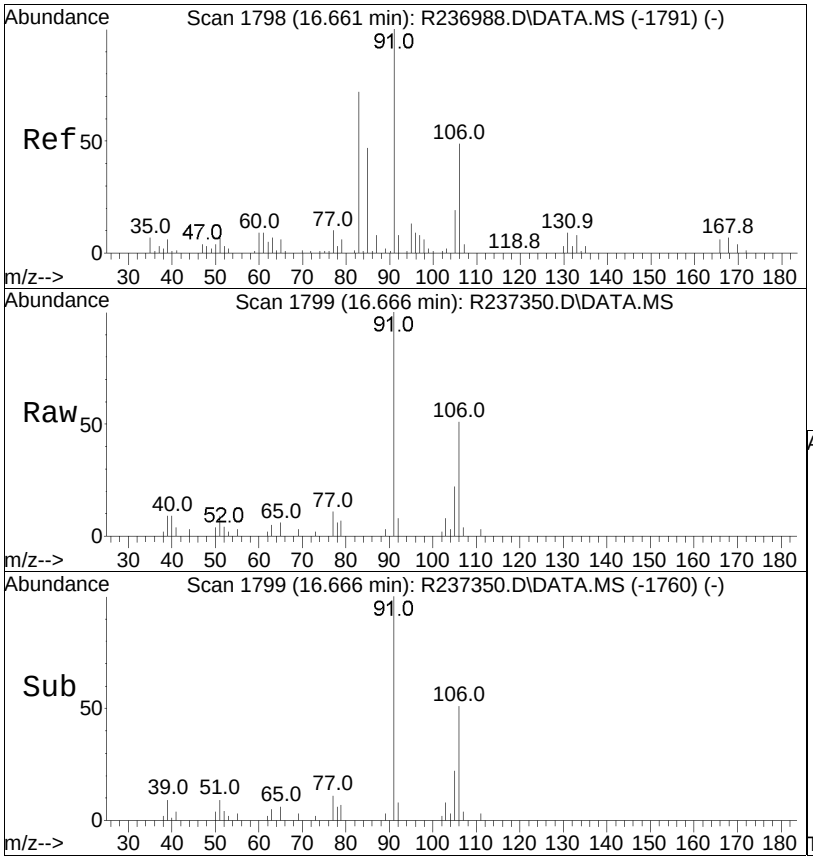


#85
styrene
Concen: 0.04 ppbV
RT: 16.579 min Scan# 1789
Delta R.T. 0.006 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:104 Resp: 2342

Ion	Ratio	Lower	Upper
104	100		
103	51.1	38.2	57.4
78	35.0	30.6	45.8

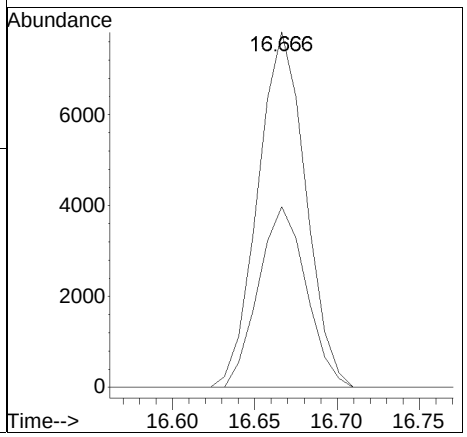


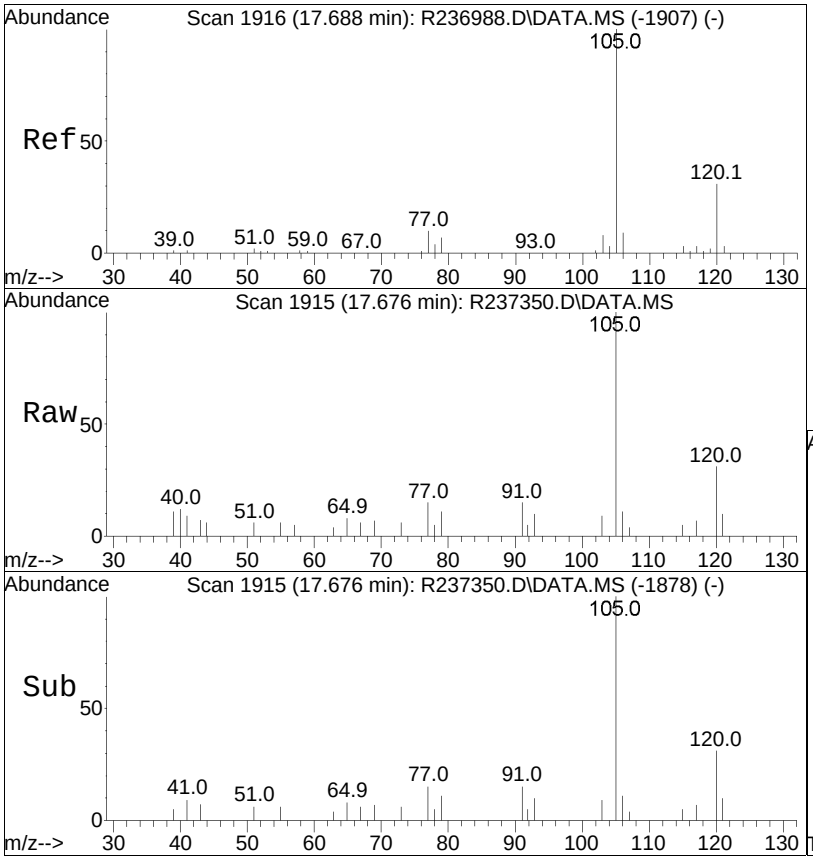


#87
o-xylene
Concen: 0.22 ppbV
RT: 16.666 min Scan# 1799
Delta R.T. 0.006 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion: 91 Resp: 15798

Ion	Ratio	Lower	Upper
91	100		
106	50.9	39.6	59.4

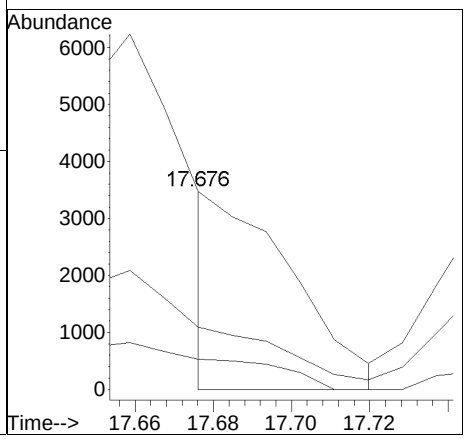


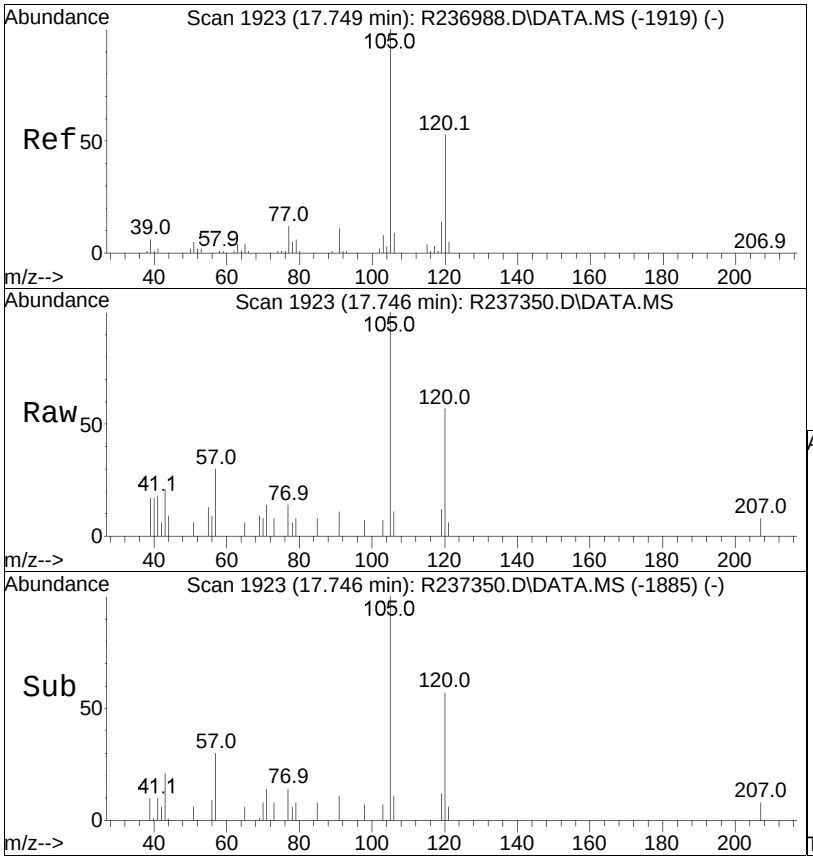


#96
4-ethyl toluene
Concen: 0.05 ppbV m
RT: 17.676 min Scan# 1915
Delta R.T. -0.012 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:105 Resp: 4702

Ion	Ratio	Lower	Upper
105	100		
120	31.5	25.1	37.7
91	15.3	8.8	13.2#

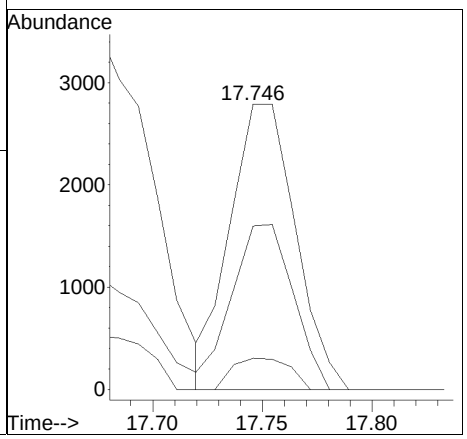


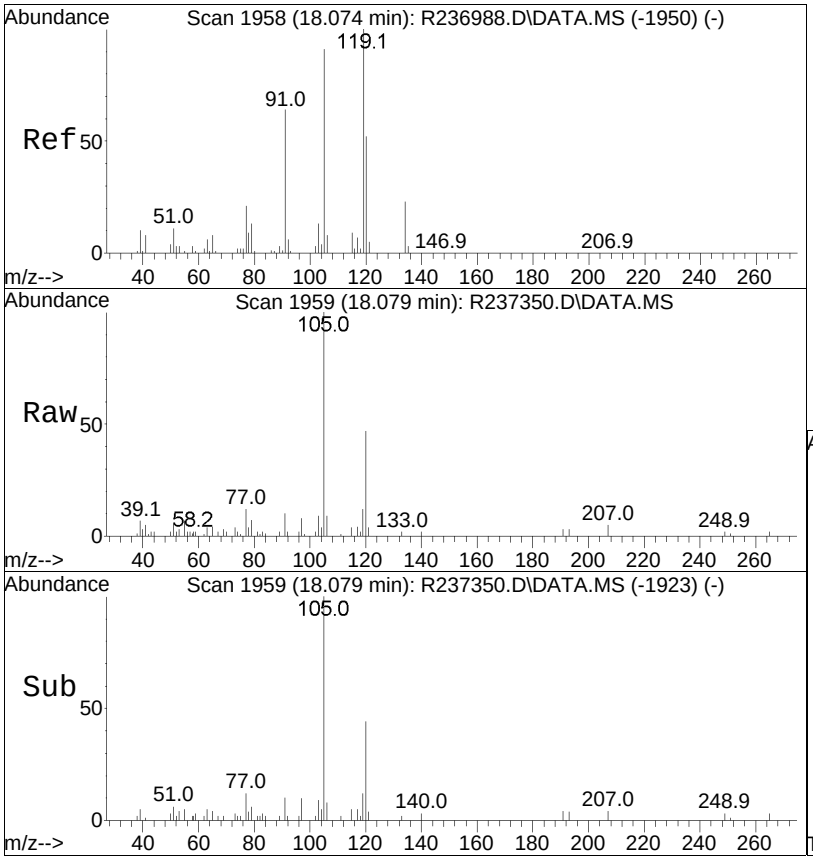


#97
1,3,5-trimethylbenzene
Concen: 0.07 ppbV
RT: 17.746 min Scan# 1923
Delta R.T. -0.003 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:105 Resp: 5787

Ion	Ratio	Lower	Upper
105	100		
120	57.3	40.7	61.1
91	10.9	8.5	12.7

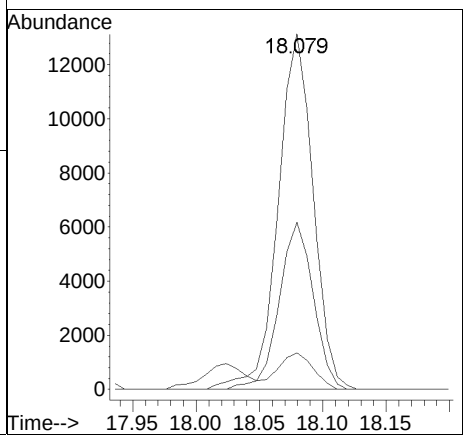




#99
1,2,4-trimethylbenzene
Concen: 0.30 ppbV
RT: 18.079 min Scan# 1959
Delta R.T. 0.005 min
Lab File: R237350.D
Acq: 19 Dec 2025 02:28 am

Tgt Ion:105 Resp: 25313

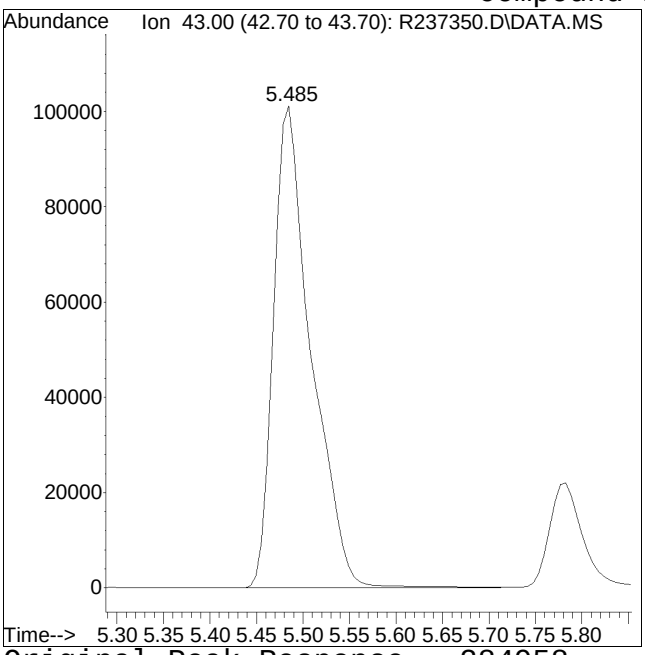
Ion	Ratio	Lower	Upper
105	100		
120	47.0	45.9	68.9
91	10.3	56.2	84.2#



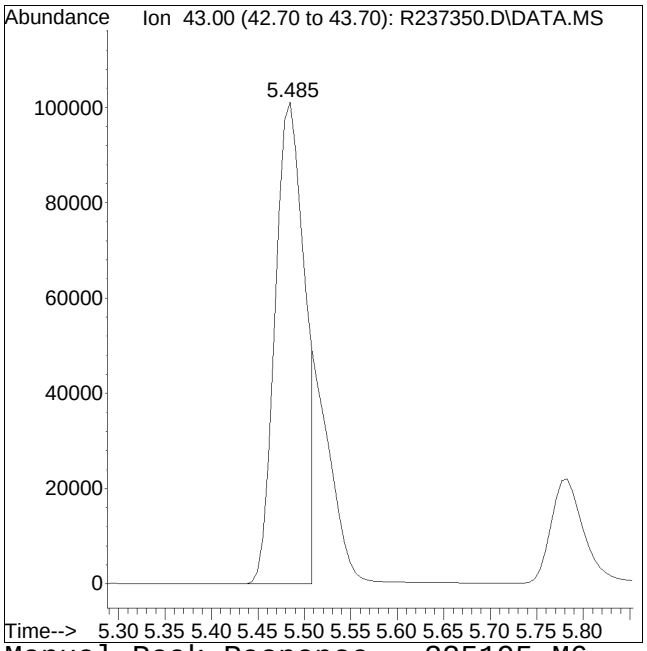
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237350.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 2:28 am Instrument : Airlab23
Sample : L2577500-20,3,250,250 Quant Date : 12/19/2025 7:18 am

Compound #19: acetone



Original Peak Response = 284958



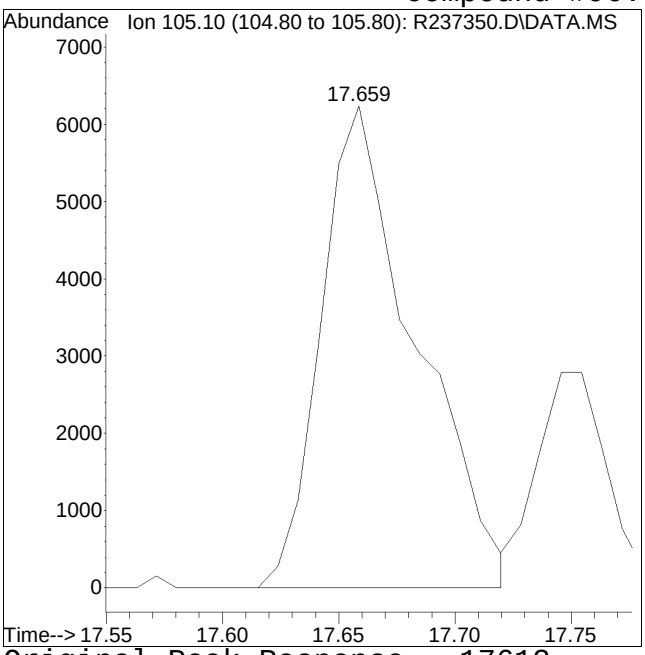
Manual Peak Response = 225195 M6

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

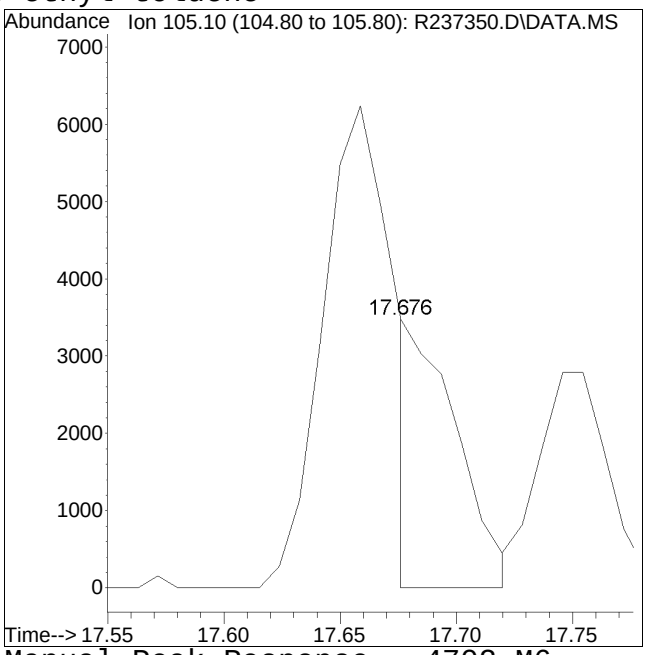
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237350.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 2:28 am Instrument : Airlab23
Sample : L2577500-20,3,250,250 Quant Date : 12/19/2025 7:18 am

Compound #96: 4-ethyl toluene



Original Peak Response = 17612



Manual Peak Response = 4702 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237351.D
Acq On : 19 Dec 2025 03:04 am
Operator : AIRLAB23:TPH
Sample : L2577500-21D,3,10.93,250
Misc : WG2155905,ICAL22840
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 07:18:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.870	49	201850	10.000	ppbV	0.00
Standard Area = 206017			Recovery = 97.98%			
43) 1,4-difluorobenzene	11.056	114	839440	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 101.82%			
67) chlorobenzene-D5	15.734	54	97525	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 94.89%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.868	85	60251	1.104	ppbV	99
6) chloromethane	0.000		0	N.D.	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	5.004	31	34712	4.460	ppbV	83
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.519	43	8783	0.446	ppbV #	93
21) trichlorofluoromethane	5.677		0	N.D.		
22) isopropyl alcohol	5.794	45	3070	0.148	ppbV #	86
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.454	59	3078	0.118	ppbV #	90
28) methylene chloride	6.510		0	N.D.		
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.818		0	N.D.		
31) Freon 113	0.000		0	N.D.		
32) trans-1,2-dichloroethene	7.546	61	3764	0.165	ppbV	96
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.245		0	N.D.		
37) cis-1,2-dichloroethene	8.683		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.017	83	5438	0.120	ppbV	93
40) Tetrahydrofuran	0.000		0	N.D.		
42) 1,2-dichloroethane	9.840	62	7565	0.280	ppbV #	95
44) hexane	8.935		0	N.D.		

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237351.D
Acq On : 19 Dec 2025 03:04 am
Operator : AIRLAB23:TPH
Sample : L2577500-21D,3,10.93,250
Misc : WG2155905,ICAL22840
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 07:18:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	10.133		0	N.D.			
50)	benzene	10.641		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	11.848	130	22319	0.611	ppbV		100
60)	2,2,4-trimethylpentane	11.904		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	13.979	91	6230	0.092	ppbV		99
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	15.147	166	2843391	67.137	ppbV		97
80)	chlorobenzene	0.000		0	N.D.			
81)	ethylbenzene	16.117		0	N.D.			
83)	m+p-xylene	16.265	91	7161	0.109	ppbV		97
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	16.665	91	3019	0.046	ppbV	#	81
96)	4-ethyl toluene	17.684		0	N.D.			
97)	1,3,5-trimethylbenzene	17.753	105	2520	0.034	ppbV	#	84
99)	1,2,4-trimethylbenzene	18.086	105	12865	0.164	ppbV	#	52
101)	Benzyl Chloride	18.086		0	N.D.			
102)	1,3-dichlorobenzene	0.000		0	N.D.			
103)	1,4-dichlorobenzene	0.000		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.091		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237351.D
Acq On : 19 Dec 2025 03:04 am
Operator : AIRLAB23:TPH
Sample : L2577500-21D,3,10.93,250
Misc : WG2155905,ICAL22840
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 07:18:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

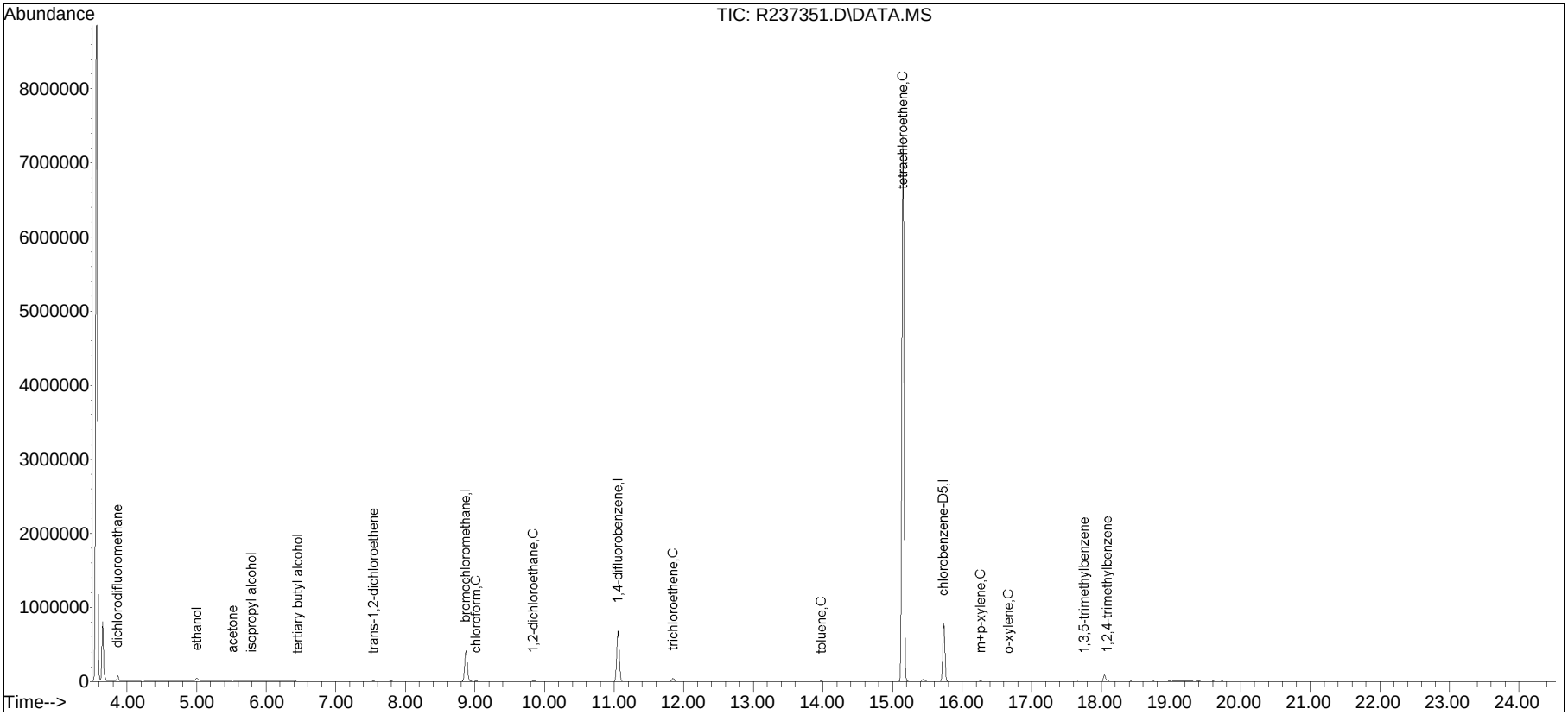
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

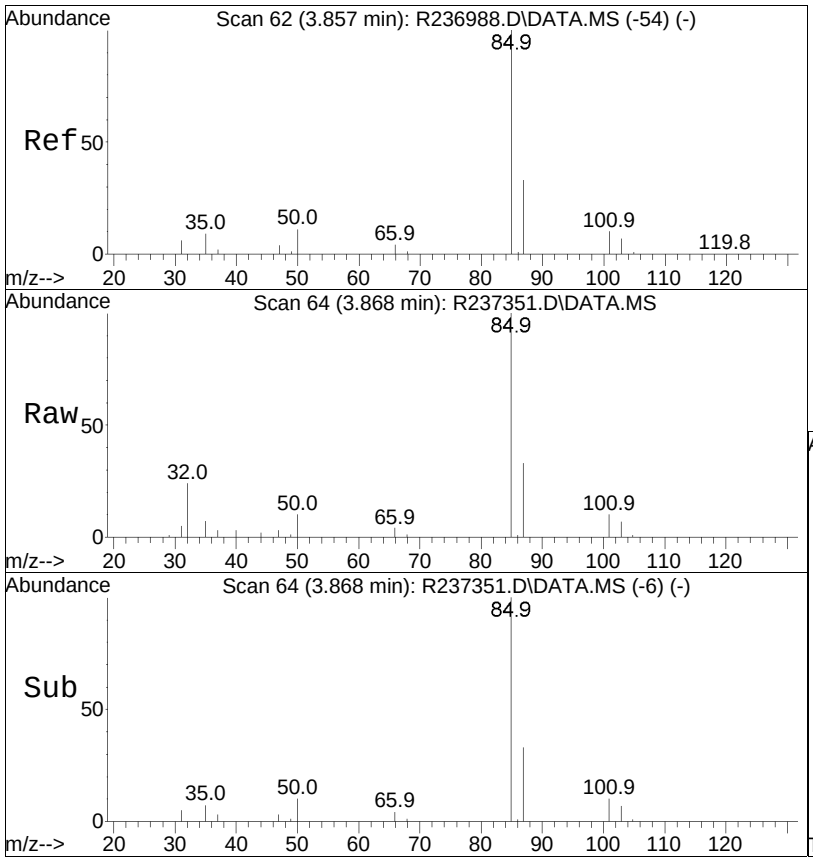
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237351.D
Acq On : 19 Dec 2025 03:04 am
Operator : AIRLAB23:TPH
Sample : L2577500-21D,3,10.93,250
Misc : WG2155905,ICAL22840
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 19 07:18:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

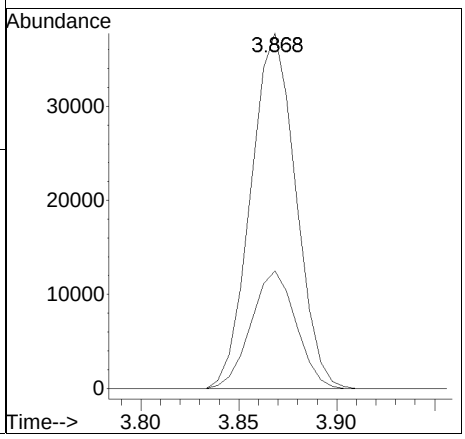


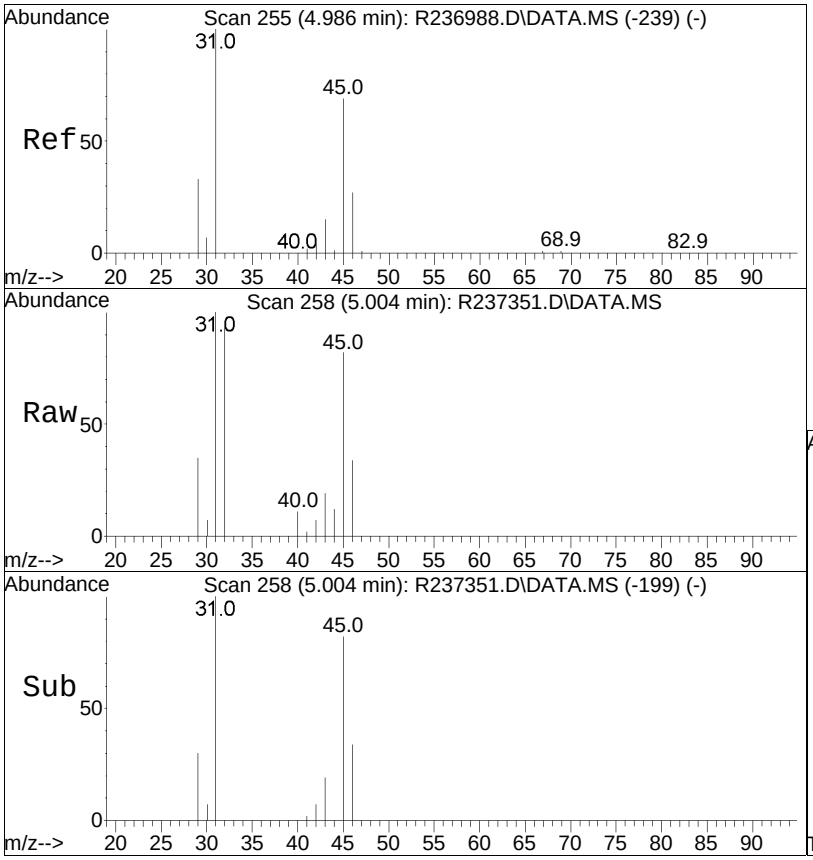


#5
dichlorodifluoromethane
Concen: 1.10 ppbV
RT: 3.868 min Scan# 64
Delta R.T. 0.012 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 85 Resp: 60251

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.8	40.2

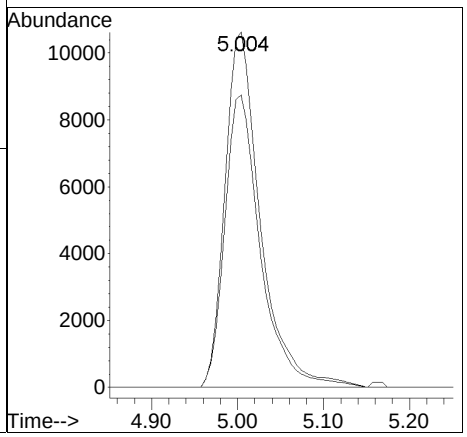


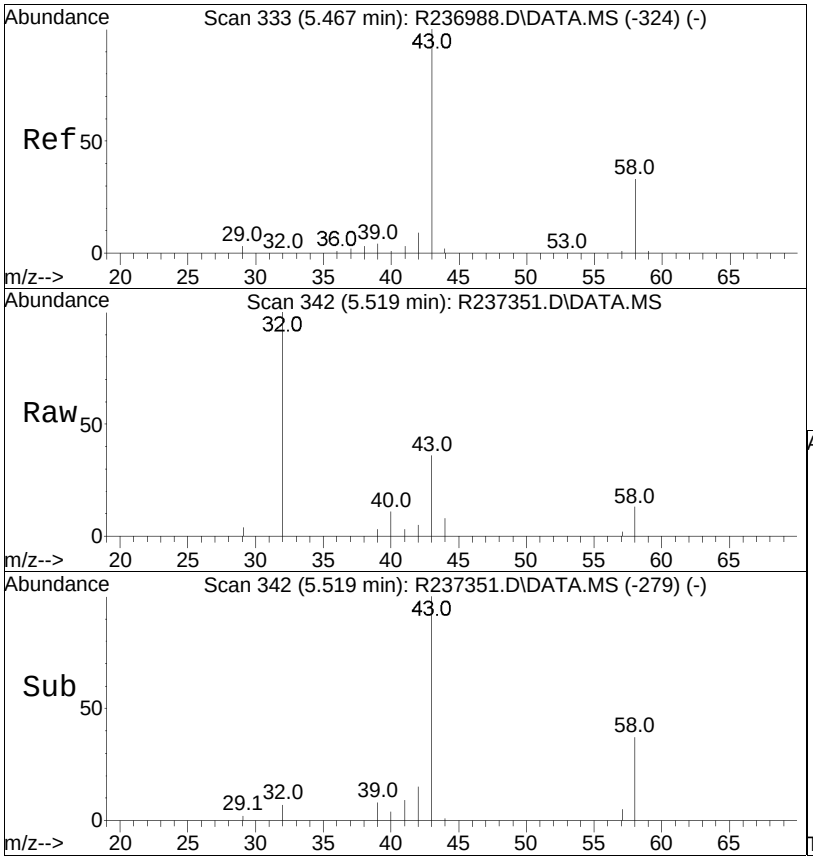


#15
ethanol
Concen: 4.46 ppbV
RT: 5.004 min Scan# 258
Delta R.T. 0.018 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 31 Resp: 34712

Ion	Ratio	Lower	Upper
31	100		
45	82.3	55.0	82.6

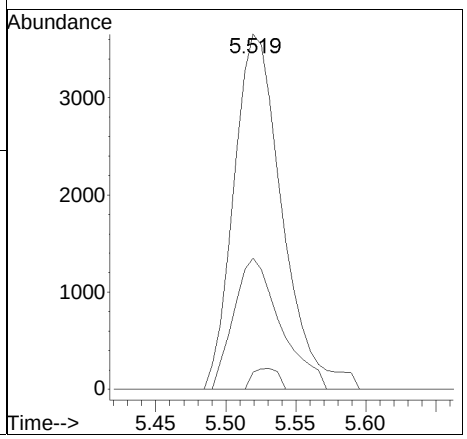


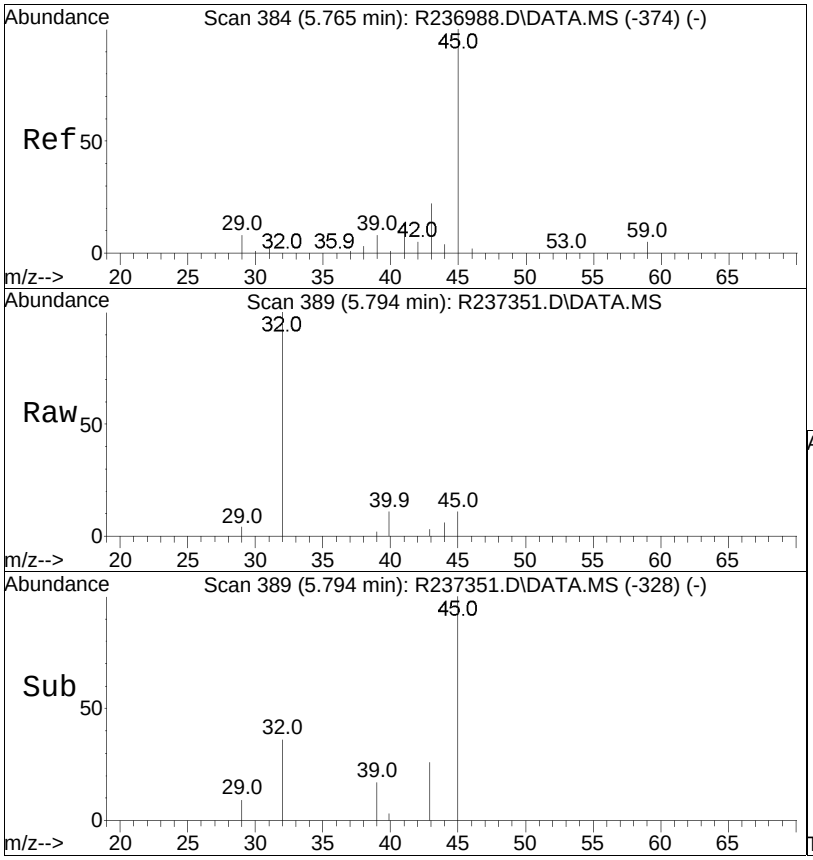


#19
acetone
Concen: 0.45 ppbV
RT: 5.519 min Scan# 342
Delta R.T. 0.052 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 43 Resp: 8783

Ion	Ratio	Lower	Upper
43	100		
58	36.9	26.2	39.4
57	4.9	0.7	1.1#

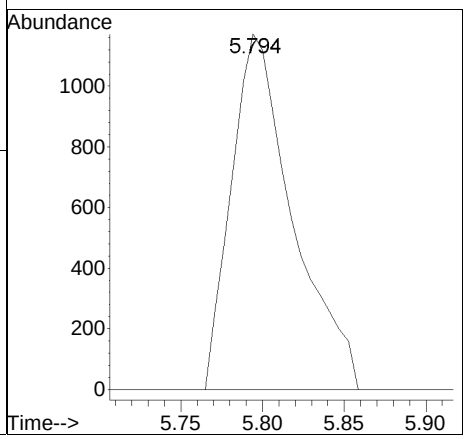


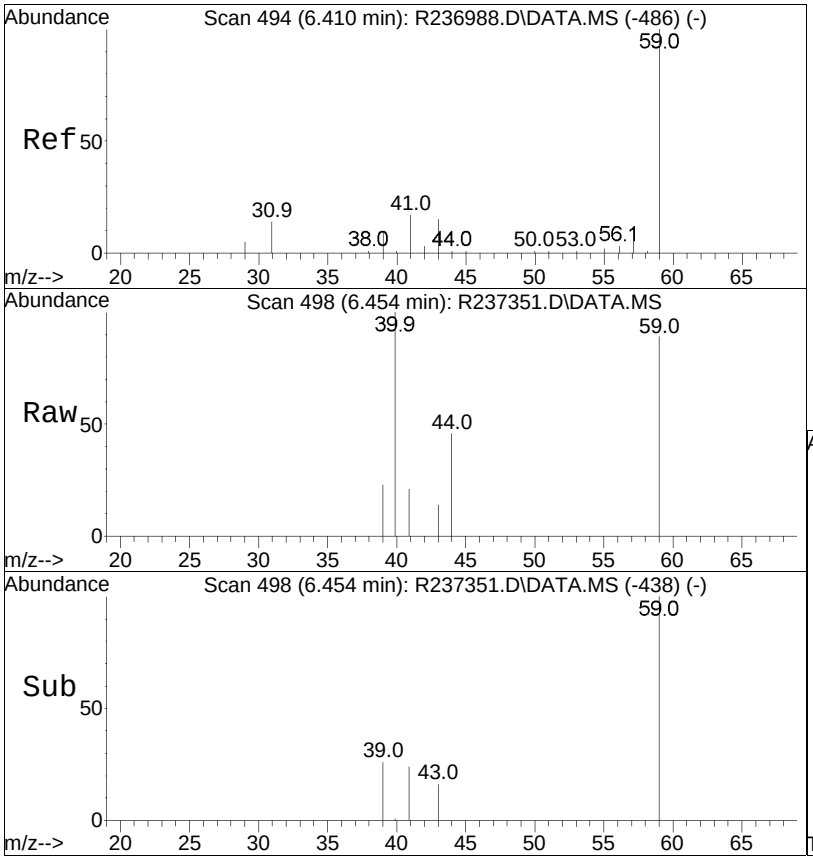


#22
isopropyl alcohol
Concen: 0.15 ppbV
RT: 5.794 min Scan# 389
Delta R.T. 0.029 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 45 Resp: 3070

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.8	5.6#

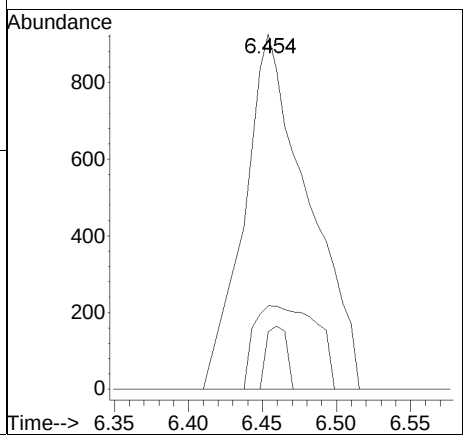


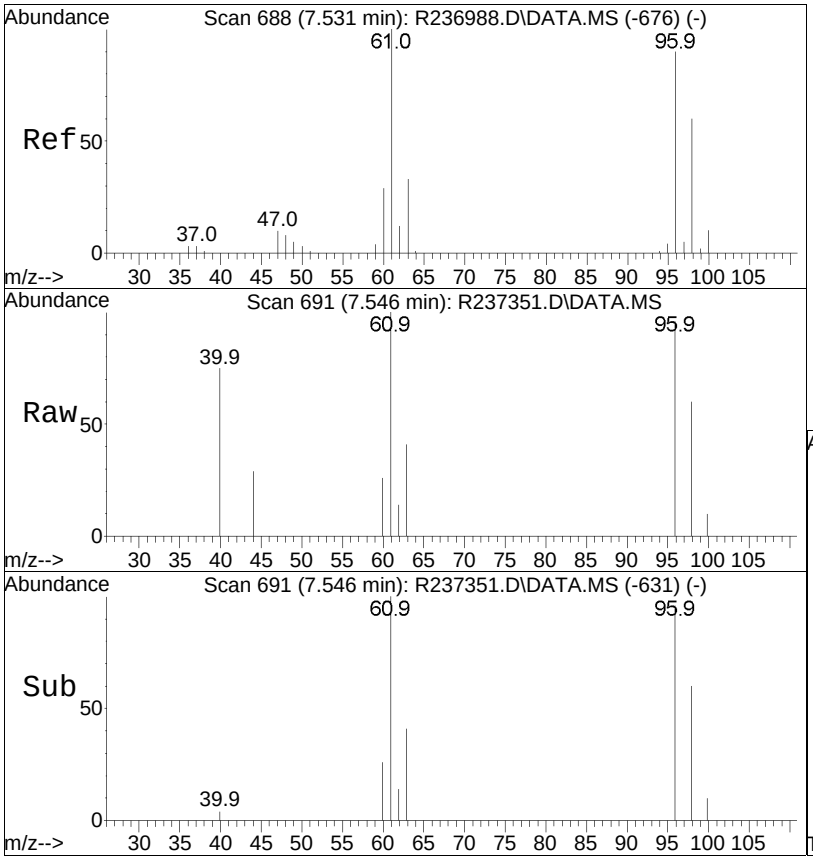


#27
tertiary butyl alcohol
Concen: 0.12 ppbV
RT: 6.454 min Scan# 498
Delta R.T. 0.044 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 59 Resp: 3078

Ion	Ratio	Lower	Upper
59	100		
41	23.5	13.6	20.4#
43	16.2	11.7	17.5

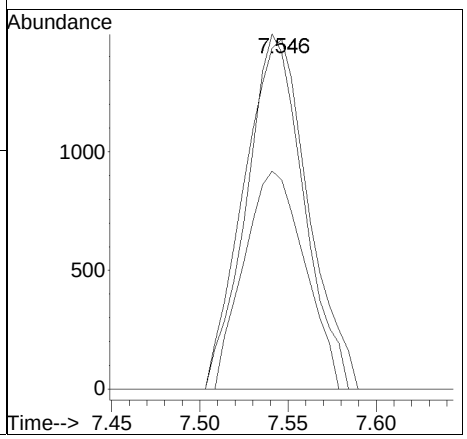


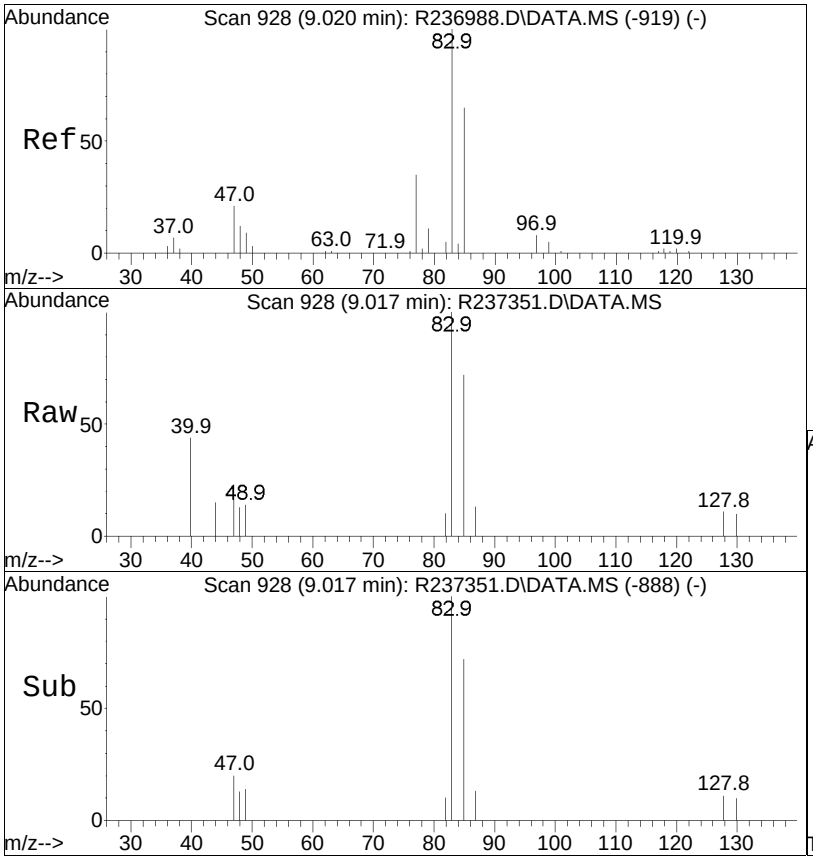


#32
trans-1,2-dichloroethene
Concen: 0.17 ppbV
RT: 7.546 min Scan# 691
Delta R.T. 0.016 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 61 Resp: 3764

Ion	Ratio	Lower	Upper
61	100		
96	96.3	72.4	108.6
98	59.9	47.7	71.5

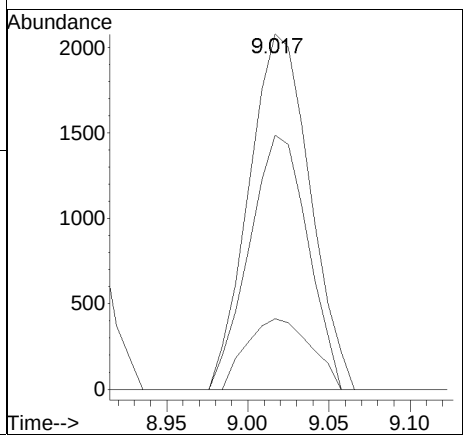


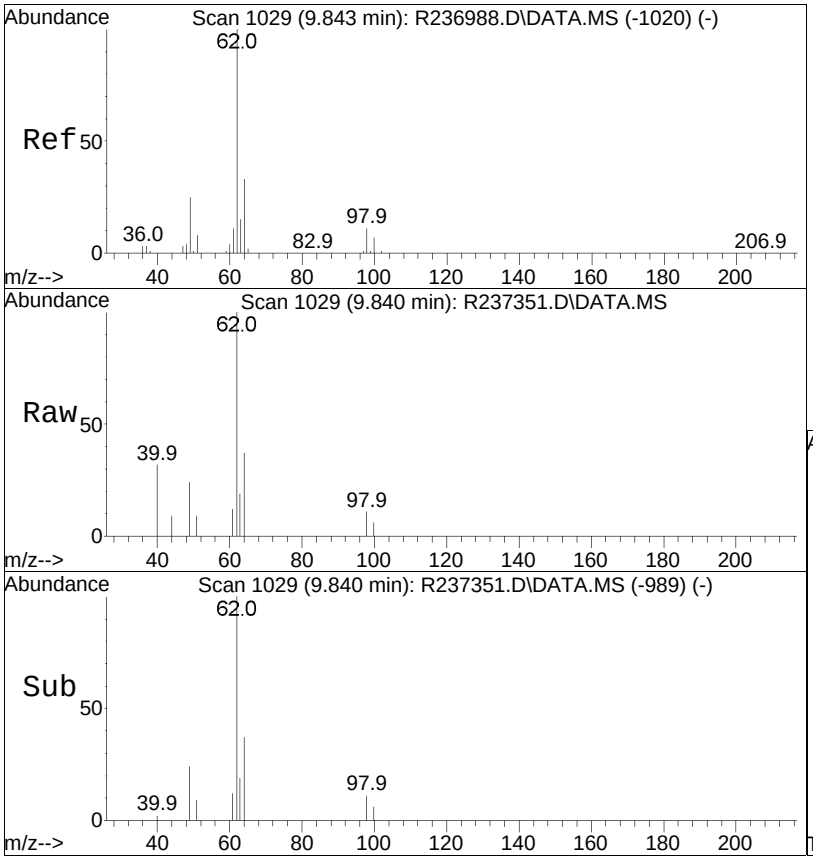


#39
chloroform
Concen: 0.12 ppbV
RT: 9.017 min Scan# 928
Delta R.T. -0.004 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 83 Resp: 5438

Ion	Ratio	Lower	Upper
83	100		
85	71.5	52.3	78.5
47	19.9	17.1	25.7

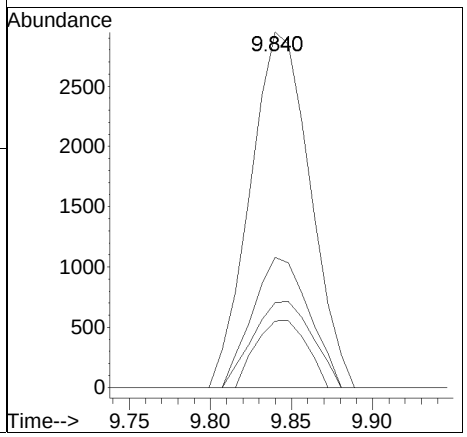


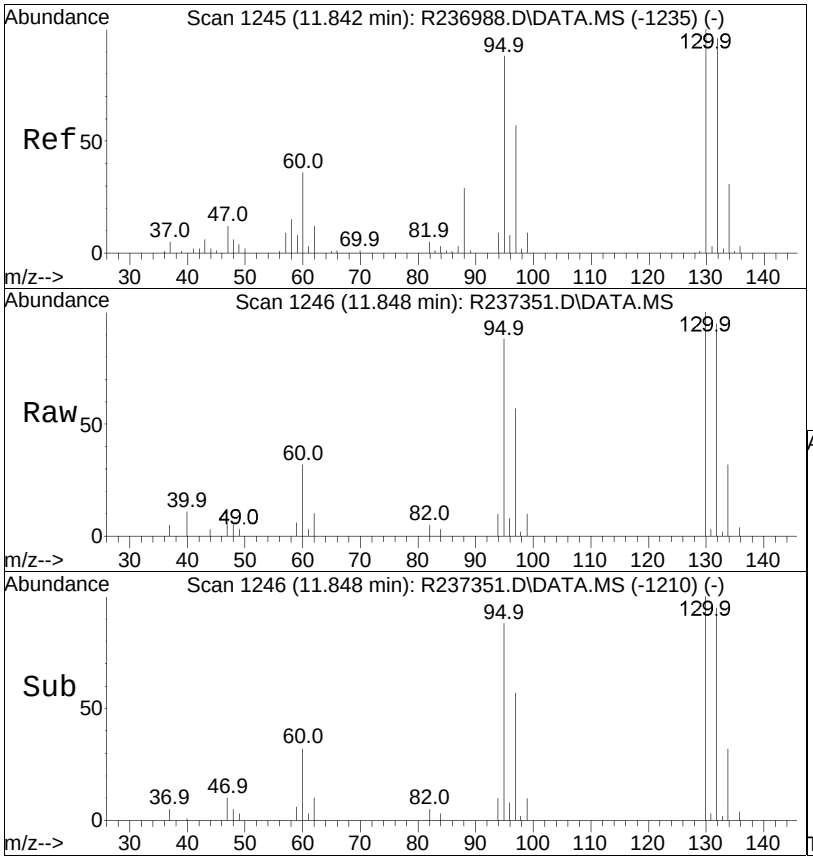


#42
1,2-dichloroethane
Concen: 0.28 ppbV
RT: 9.840 min Scan# 1029
Delta R.T. -0.004 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 62 Resp: 7565

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4
49	23.9	20.2	30.2
63	18.7	12.4	18.6#

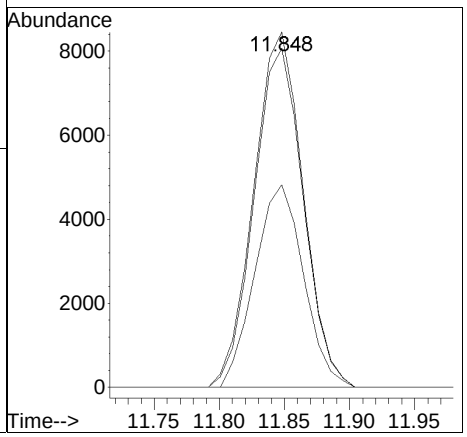


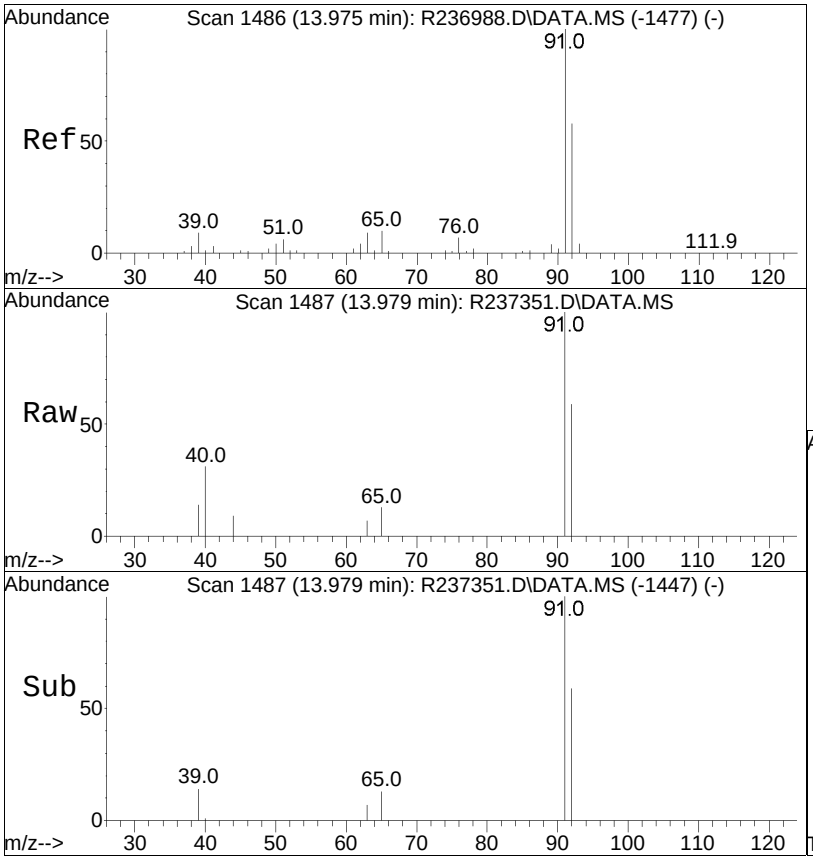


#59
trichloroethene
Concen: 0.61 ppbV
RT: 11.848 min Scan# 1246
Delta R.T. 0.006 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion:130 Resp: 22319

Ion	Ratio	Lower	Upper
130	100		
132	95.4	76.7	115.1
97	57.0	45.7	68.5

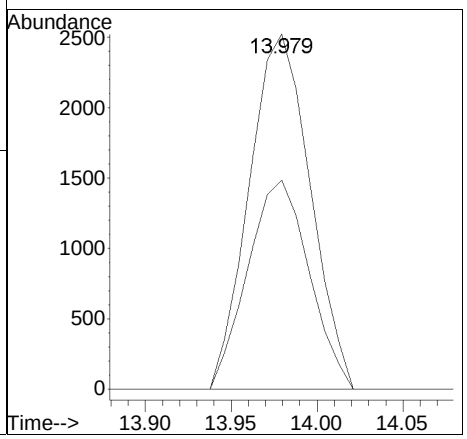


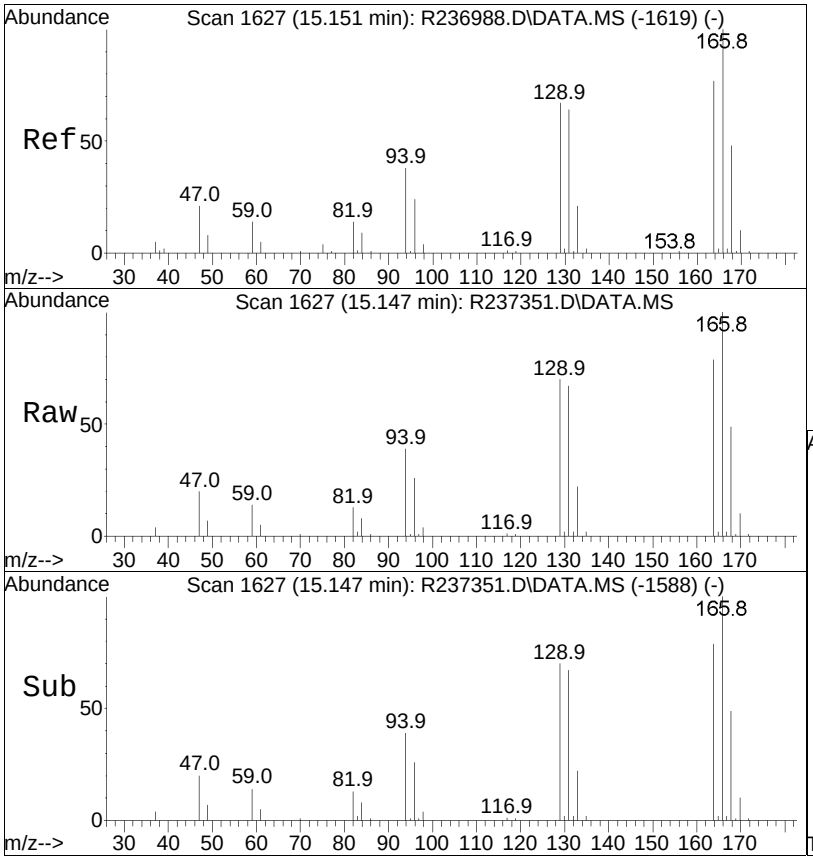


#68
toluene
Concen: 0.09 ppbV
RT: 13.979 min Scan# 1487
Delta R.T. 0.005 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 91 Resp: 6230

Ion	Ratio	Lower	Upper
91	100		
92	58.9	46.6	70.0

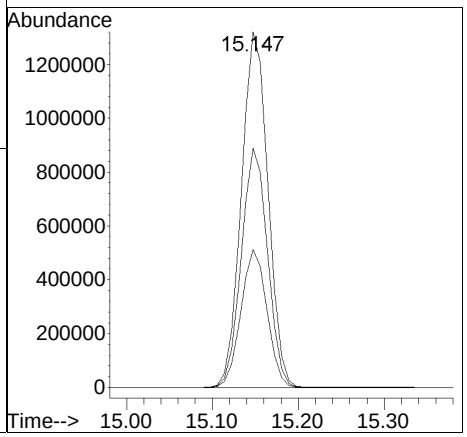


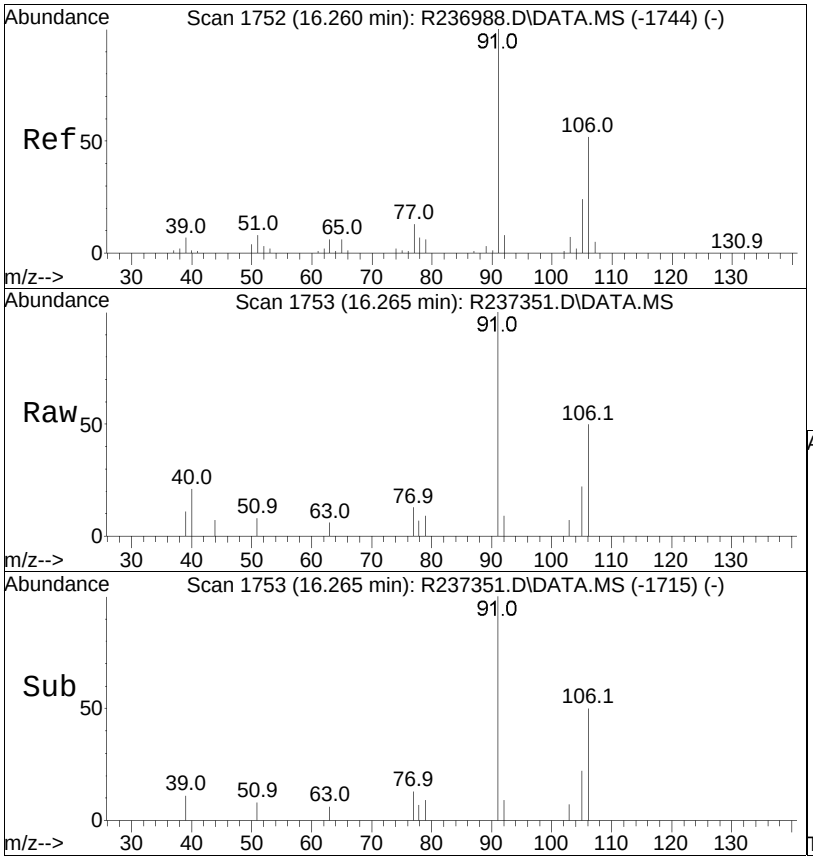


#78
tetrachloroethene
Concen: 67.14 ppbV
RT: 15.147 min Scan# 1627
Delta R.T. -0.004 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion:166 Resp: 2843391

Ion	Ratio	Lower	Upper
166	100		
131	67.3	51.4	77.0
94	38.8	30.2	45.2

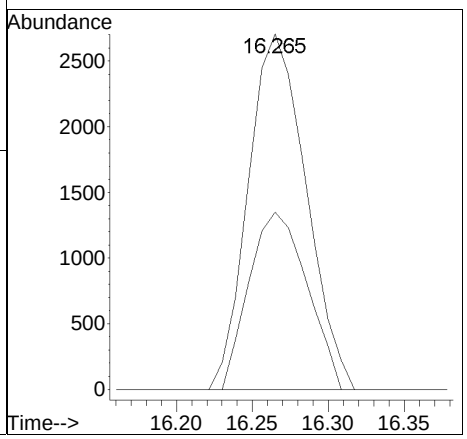


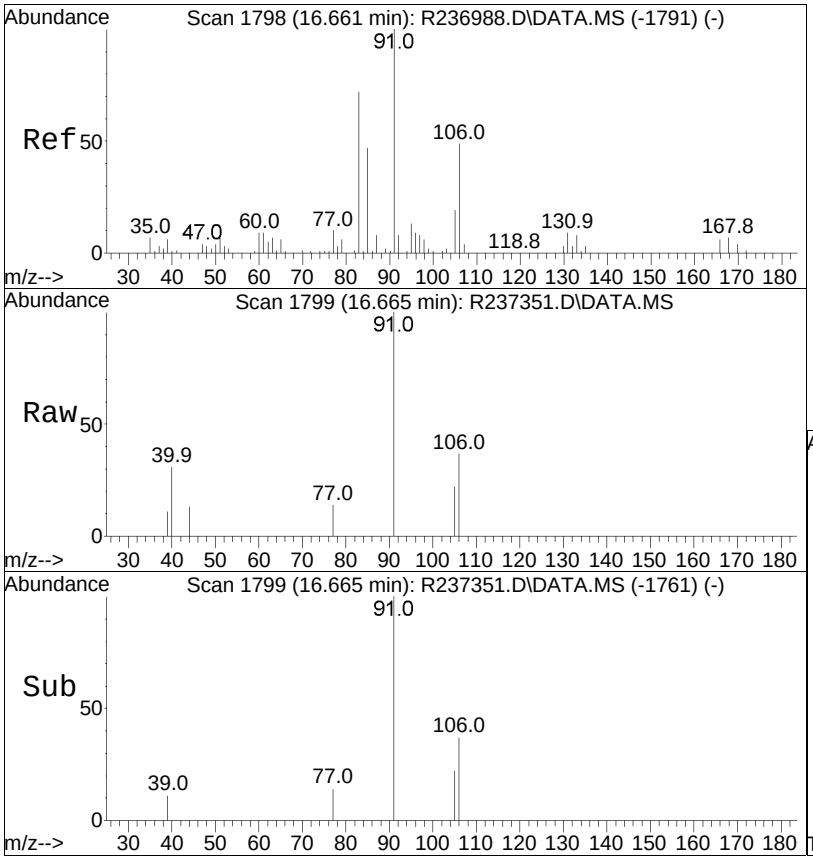


#83
m+p-xylene
Concen: 0.11 ppbV
RT: 16.265 min Scan# 1753
Delta R.T. 0.005 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 91 Resp: 7161

Ion	Ratio	Lower	Upper
91	100		
106	49.9	41.7	62.5

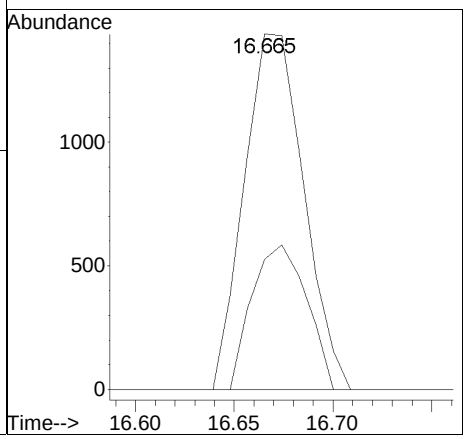


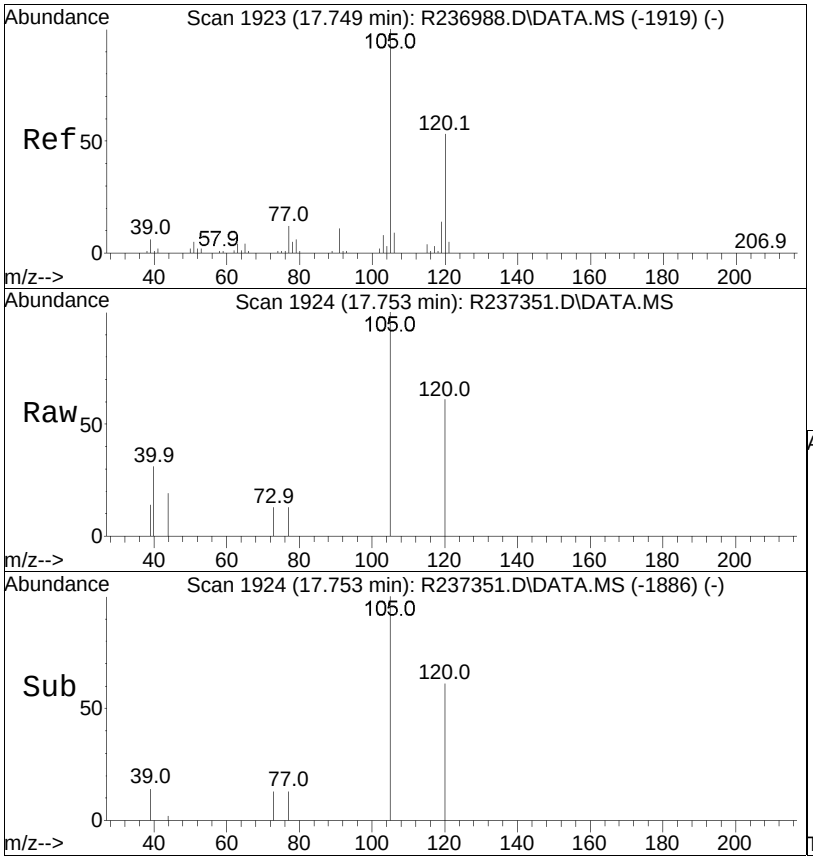


#87
o-xylene
Concen: 0.05 ppbV
RT: 16.665 min Scan# 1799
Delta R.T. 0.005 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion: 91 Resp: 3019

Ion	Ratio	Lower	Upper
91	100		
106	36.6	39.6	59.4#

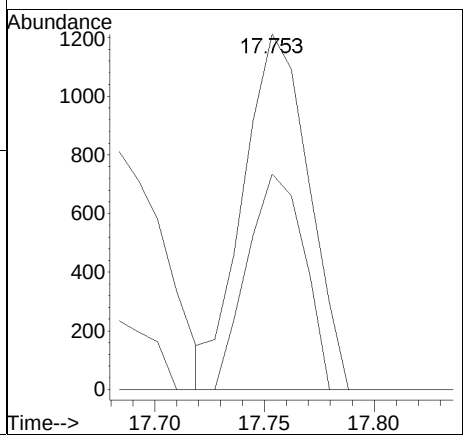


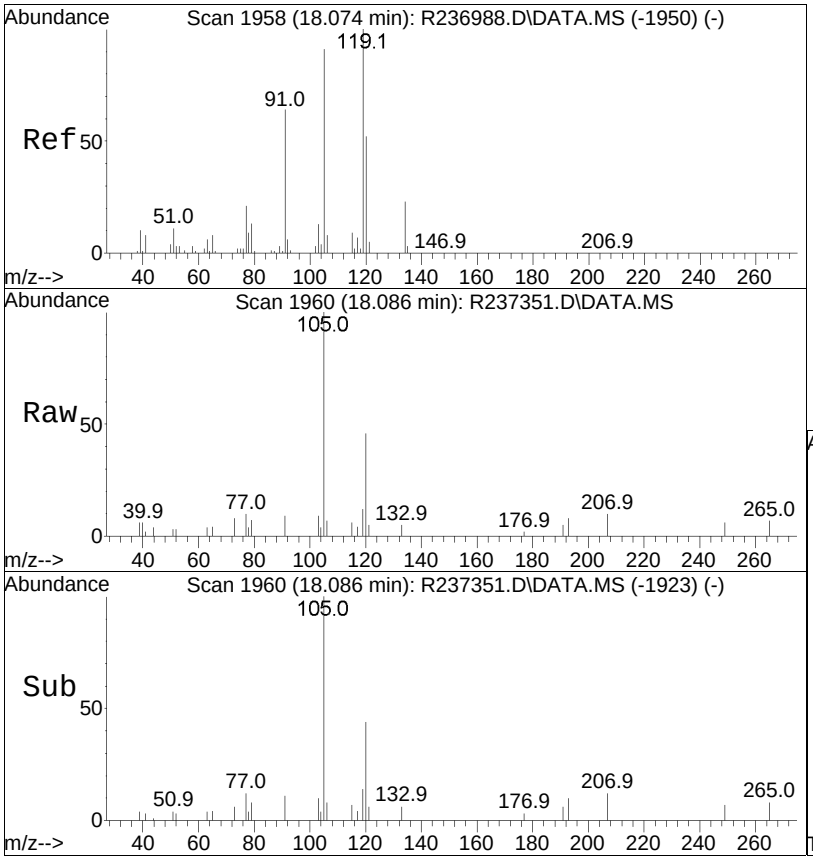


#97
1,3,5-trimethylbenzene
Concen: 0.03 ppbV
RT: 17.753 min Scan# 1924
Delta R.T. 0.005 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion:105 Resp: 2520

Ion	Ratio	Lower	Upper
105	100		
120	60.6	40.7	61.1
91	0.0	8.5	12.7#

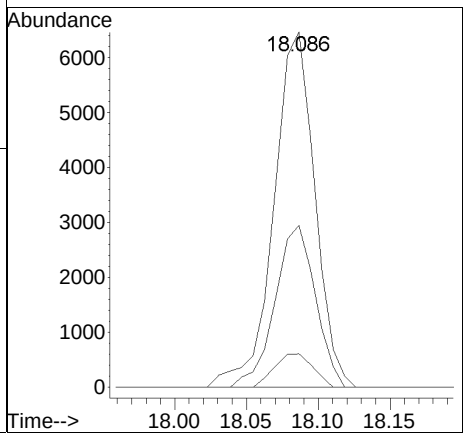




#99
1,2,4-trimethylbenzene
Concen: 0.16 ppbV
RT: 18.086 min Scan# 1960
Delta R.T. 0.012 min
Lab File: R237351.D
Acq: 19 Dec 2025 03:04 am

Tgt Ion:105 Resp: 12865

Ion	Ratio	Lower	Upper
105	100		
120	45.6	45.9	68.9#
91	9.5	56.2	84.2#

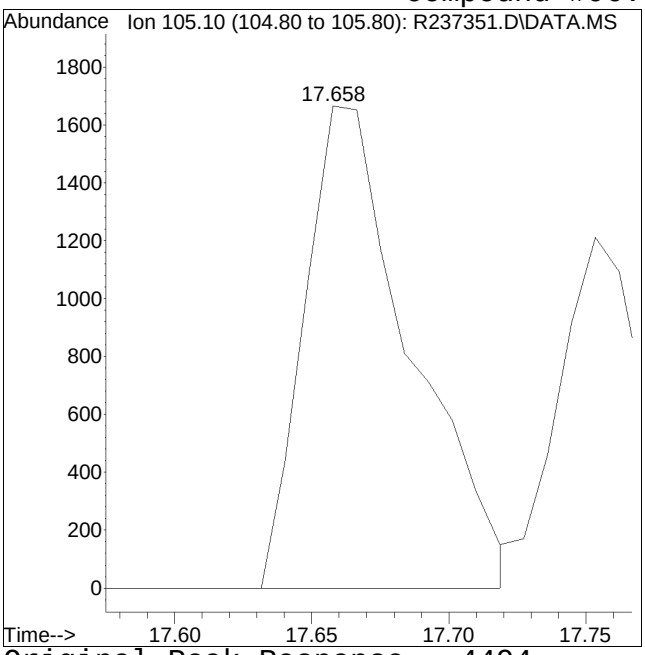


Manual Integration Report

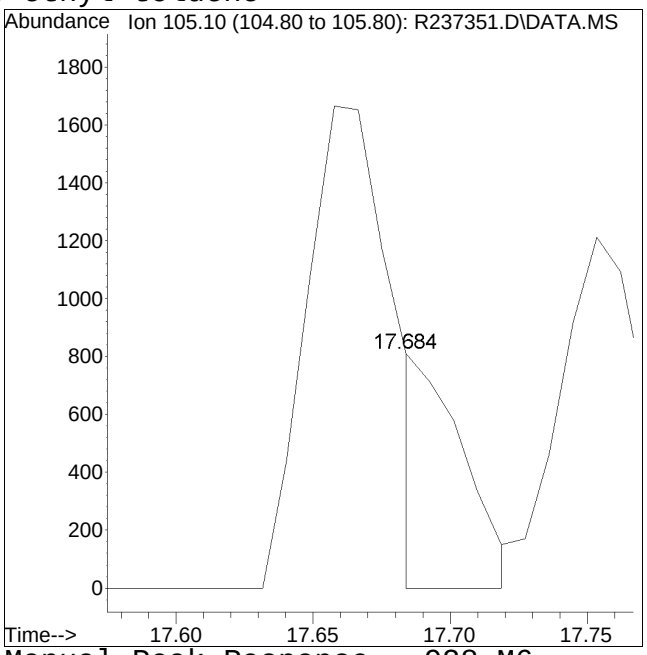
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237351.D
Date Inj'd : 12/19/2025 3:04 am
Sample : L2577500-21D,3,10.93,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:18 am

Compound #96: 4-ethyl toluene



Original Peak Response = 4494



Manual Peak Response = 928 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237353.D
Acq On : 19 Dec 2025 04:18 am
Operator : AIRLAB23:TPH
Sample : L2577500-23,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 07:20:44 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.876	49	177585	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		86.20%	
43) 1,4-difluorobenzene	11.062	114	673239	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		81.66%	
67) chlorobenzene-D5	15.740	54	89309	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		86.90%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.874	85	323348	6.734	ppbV	98
6) chloromethane	0.000		0	N.D.	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	4.998	31	560072	81.799	ppbV #	81
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.508	43	25149M6	1.450	ppbV	
21) trichlorofluoromethane	5.683	101	10538	0.206	ppbV	96
22) isopropyl alcohol	5.782	45	52126	2.856	ppbV	100
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.454	59	2754	0.120	ppbV #	65
28) methylene chloride	6.510		0	N.D.		
29) 3-chloropropene	6.566		0	N.D.		
30) carbon disulfide	6.812	76	7089	0.173	ppbV #	58
31) Freon 113	6.807	101	2780	0.068	ppbV	92
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.790		0	N.D.		
36) 2-butanone	8.218	43	4334	0.196	ppbV	96
37) cis-1,2-dichloroethene	8.696		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.022	83	61691	1.542	ppbV	98
40) Tetrahydrofuran	9.495	42	669	0.058	ppbV	91
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.949	57	4327	0.242	ppbV #	5

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237353.D
Acq On : 19 Dec 2025 04:18 am
Operator : AIRLAB23:TPH
Sample : L2577500-23,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 07:20:44 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.131	97	1459	0.035	ppbV #	77
50) benzene	10.647	78	10790	0.220	ppbV	98
52) carbon tetrachloride	10.817	117	3285	0.072	ppbV #	93
53) cyclohexane	10.958	56	2216	0.123	ppbV	92
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.797	83	5809	0.157	ppbV	94
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.844	130	6862	0.234	ppbV	99
60) 2,2,4-trimethylpentane	11.901	57	6836	0.124	ppbV #	82
62) heptane	12.212	43	2464	0.145	ppbV	94
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	13.977	91	84511	1.367	ppbV	100
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	14.435		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.153	166	49173	1.268	ppbV	97
80) chlorobenzene	15.792		0	N.D.		
81) ethylbenzene	16.106	91	37865	0.479	ppbV	98
83) m+p-xylene	16.262	91	131113	2.184	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.576		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.706		0	N.D.		
87) o-xylene	16.663	91	49117	0.809	ppbV	97
96) 4-ethyl toluene	17.672	105	25149M6	0.315	ppbV	
97) 1,3,5-trimethylbenzene	17.751	105	41188	0.613	ppbV	99
99) 1,2,4-trimethylbenzene	18.076	105	138374M6	1.926	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.259		0	N.D.		
103) 1,4-dichlorobenzene	18.259		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.077	128	45172	0.465	ppbV	100
119) hexachlorobutadiene	0.000		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237353.D
Acq On : 19 Dec 2025 04:18 am
Operator : AIRLAB23:TPH
Sample : L2577500-23,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 07:20:44 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

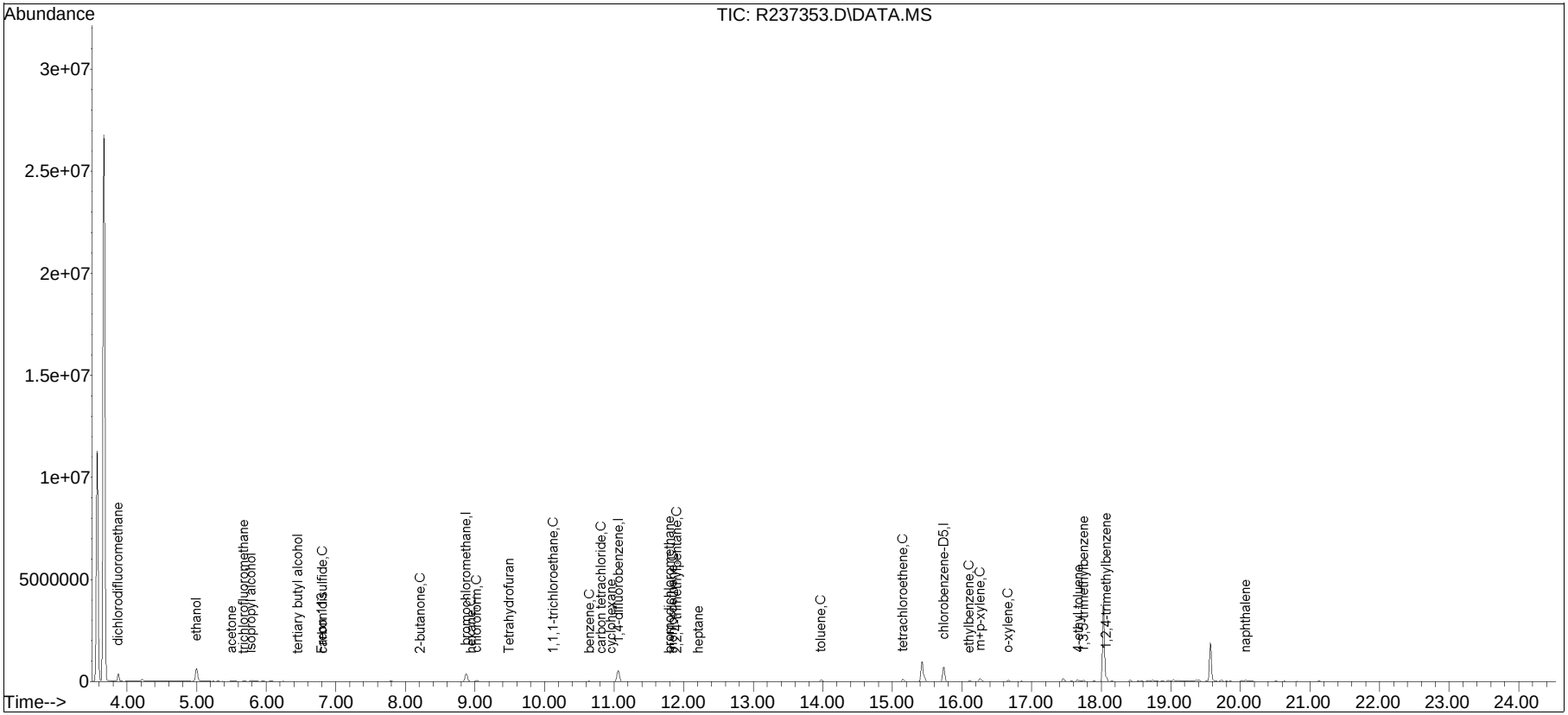
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

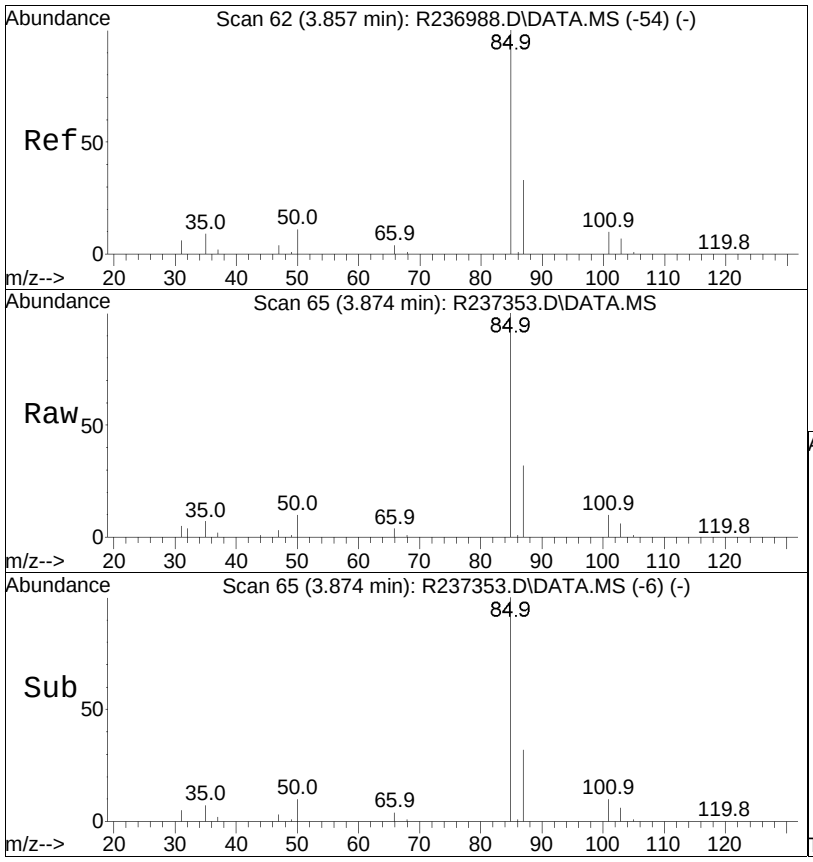
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237353.D
Acq On : 19 Dec 2025 04:18 am
Operator : AIRLAB23:TPH
Sample : L2577500-23,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 07:20:44 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

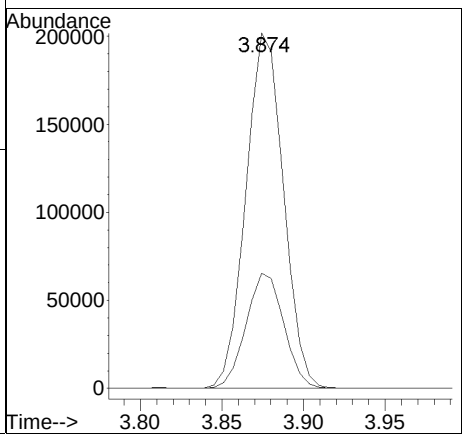


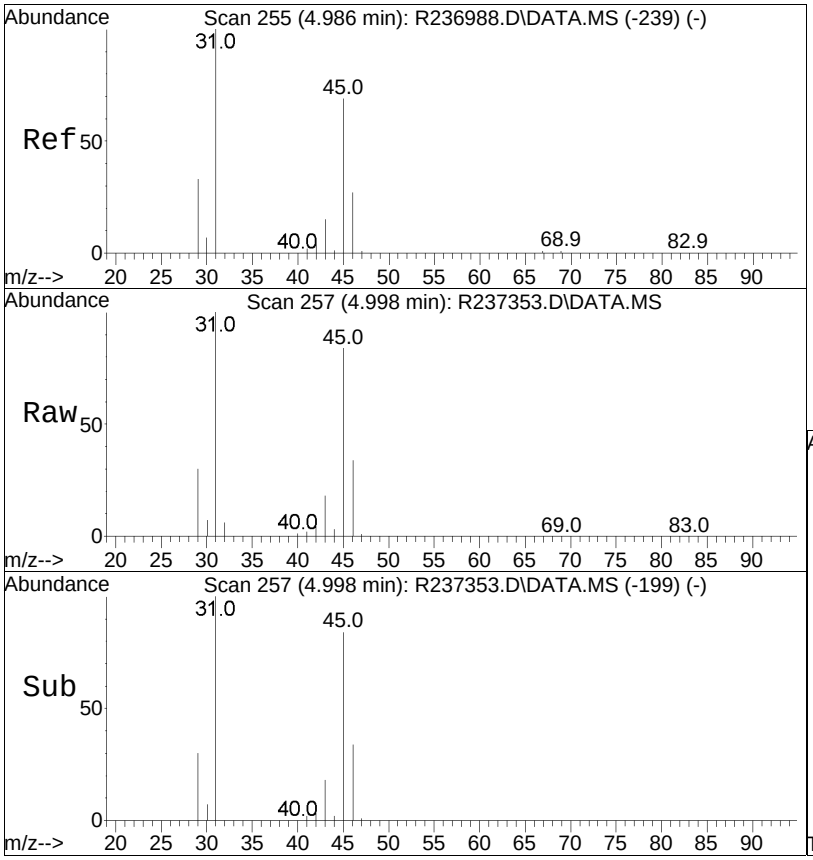


#5
dichlorodifluoromethane
Concen: 6.73 ppbV
RT: 3.874 min Scan# 65
Delta R.T. 0.018 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 85 Resp: 323348

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.8	40.2

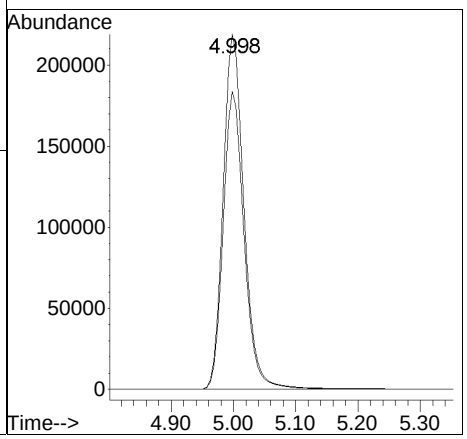


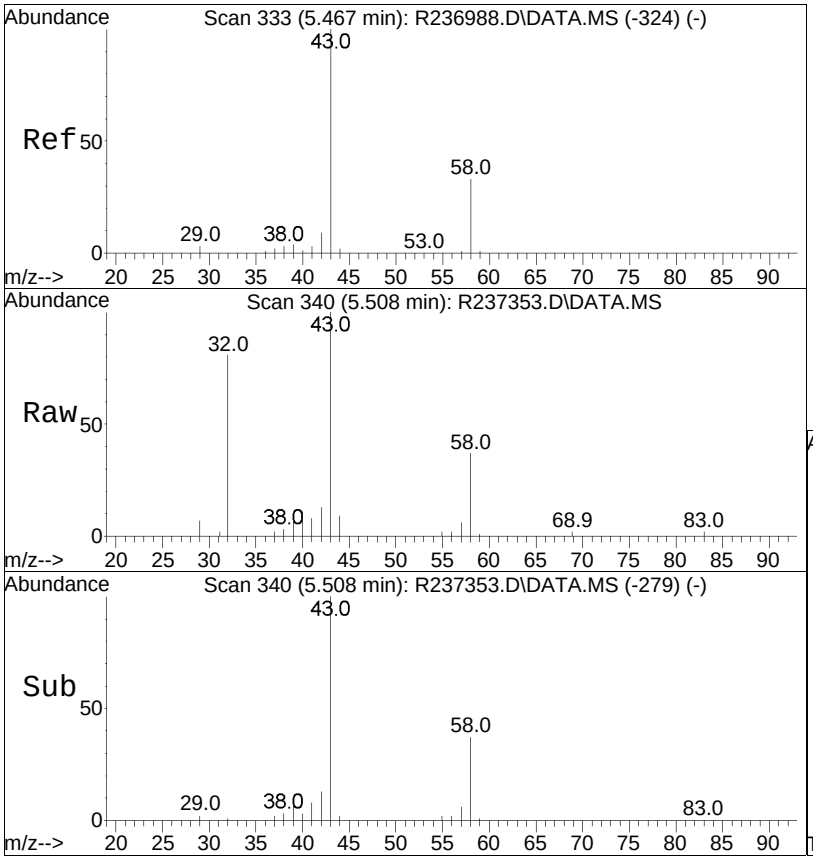


#15
ethanol
Concen: 81.80 ppbV
RT: 4.998 min Scan# 257
Delta R.T. 0.012 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 31 Resp: 560072

Ion	Ratio	Lower	Upper
31	100		
45	83.9	55.0	82.6#

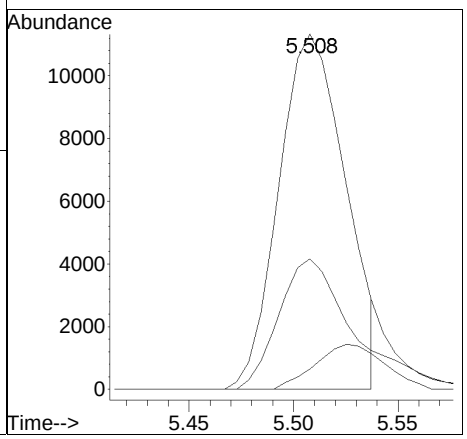


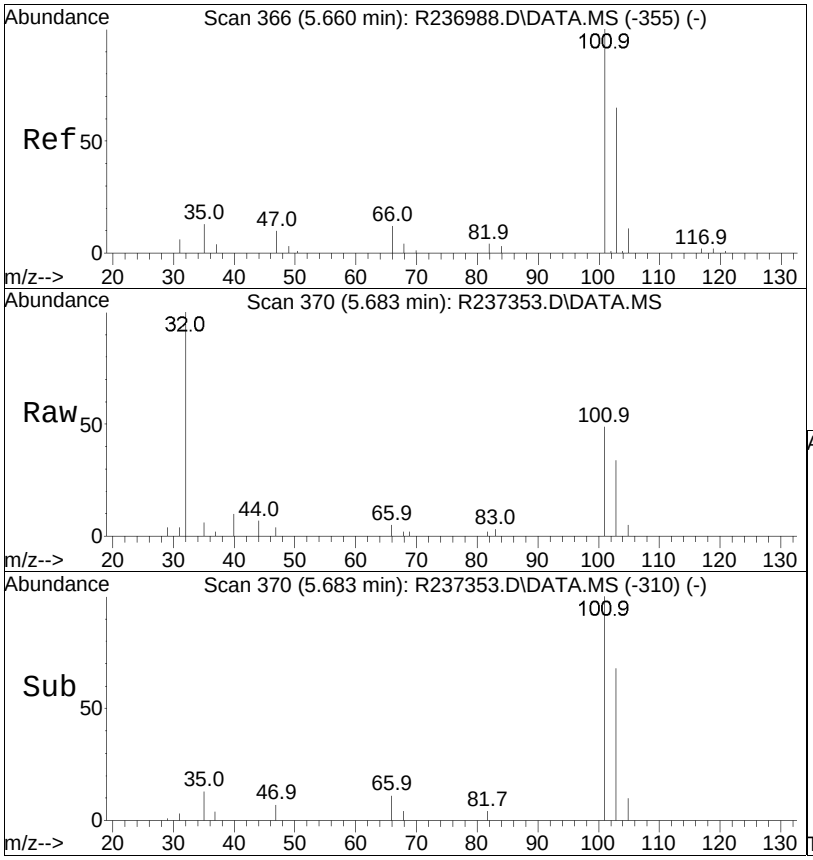


#19
acetone
Concen: 1.45 ppbV m
RT: 5.508 min Scan# 340
Delta R.T. 0.041 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 43 Resp: 25149

Ion	Ratio	Lower	Upper
43	100		
58	36.8	26.2	39.4
57	5.7	0.7	1.1#

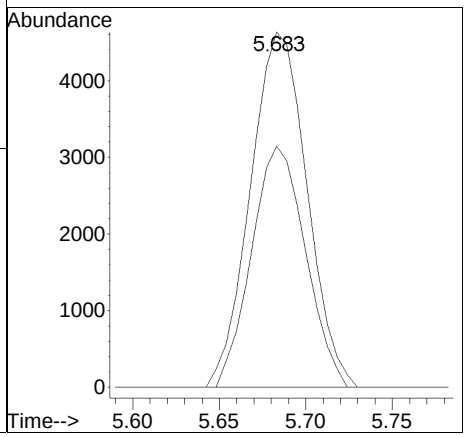


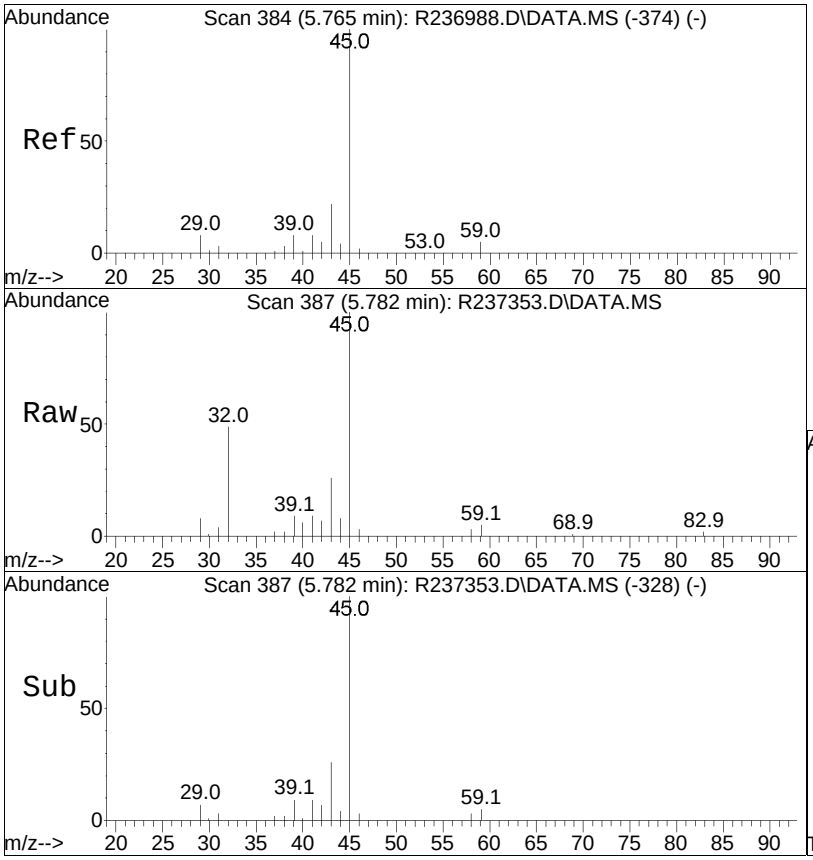


#21
trichlorofluoromethane
Concen: 0.21 ppbV
RT: 5.683 min Scan# 370
Delta R.T. 0.023 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:101 Resp: 10538

Ion	Ratio	Lower	Upper
101	100		
103	68.0	52.1	78.1

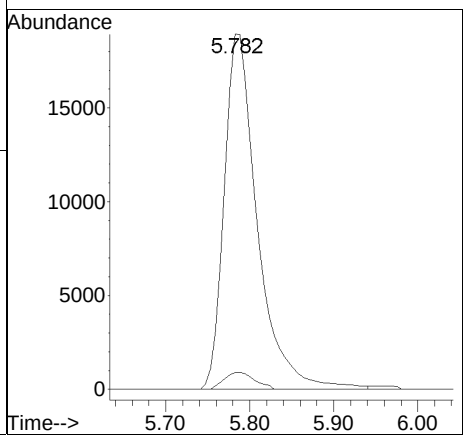


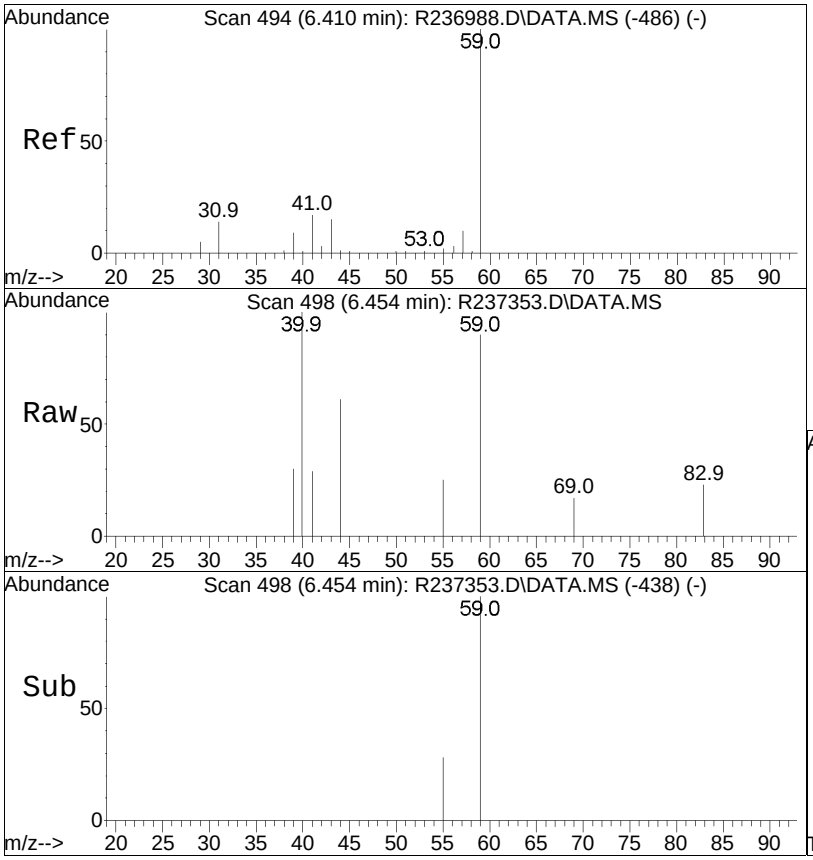


#22
isopropyl alcohol
Concen: 2.86 ppbV
RT: 5.782 min Scan# 387
Delta R.T. 0.017 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 45 Resp: 52126

Ion	Ratio	Lower	Upper
45	100		
59	4.8	3.8	5.6

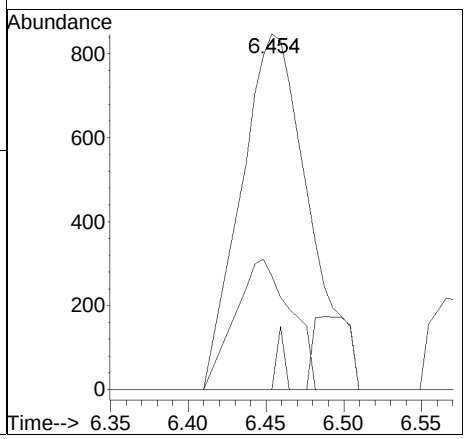


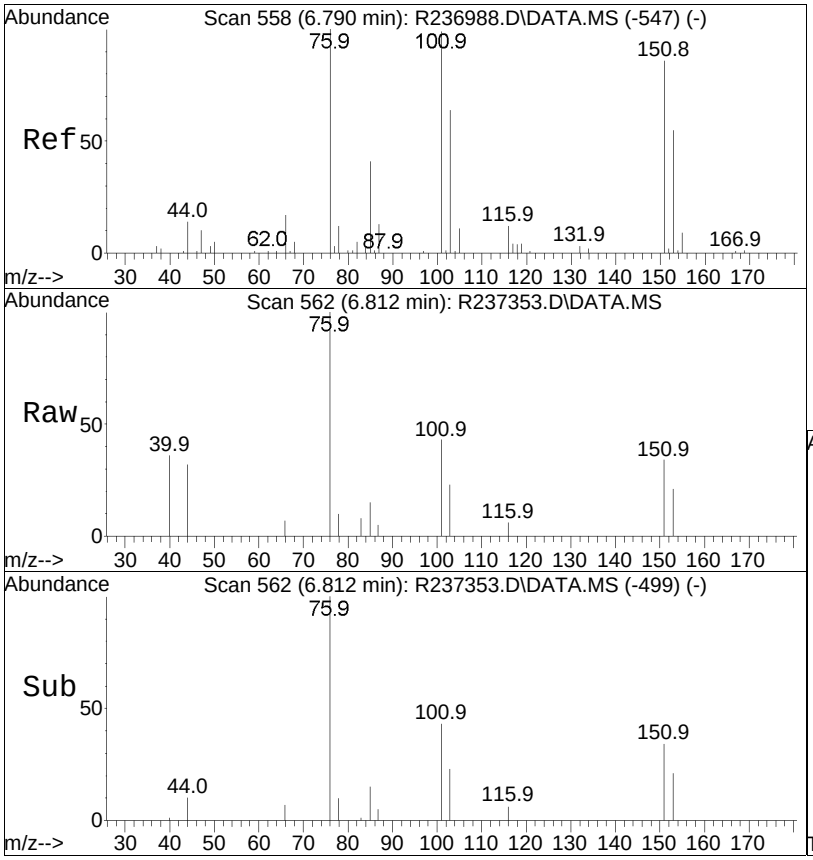


#27
tertiary butyl alcohol
Concen: 0.12 ppbV
RT: 6.454 min Scan# 498
Delta R.T. 0.044 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 59 Resp: 2754

Ion	Ratio	Lower	Upper
59	100		
41	31.9	13.6	20.4#
43	0.0	11.7	17.5#

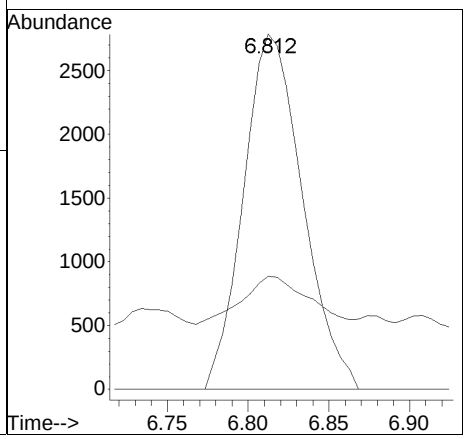


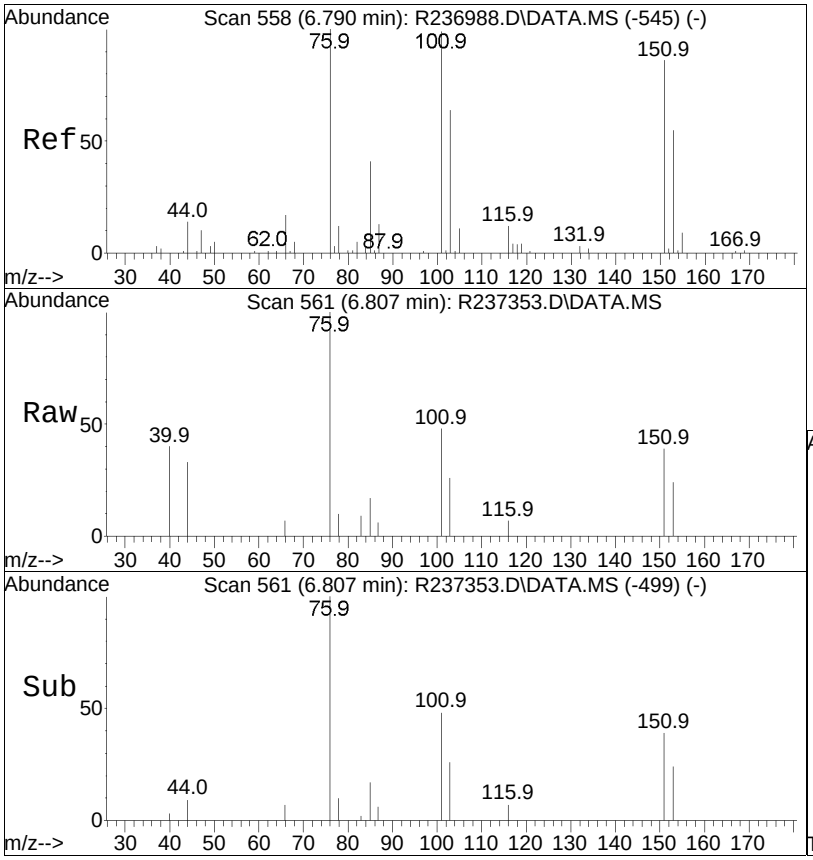


#30
carbon disulfide
Concen: 0.17 ppbV
RT: 6.812 min Scan# 562
Delta R.T. 0.022 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 76 Resp: 7089

Ion	Ratio	Lower	Upper
76	100		
44	31.8	11.5	17.3#

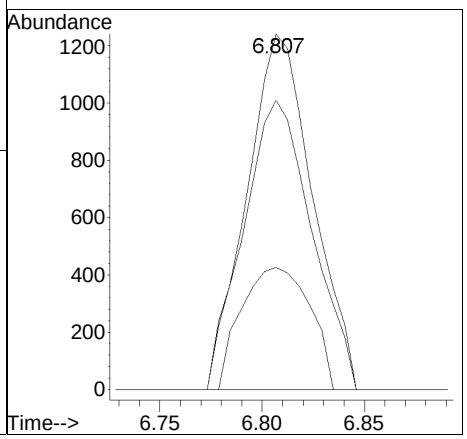


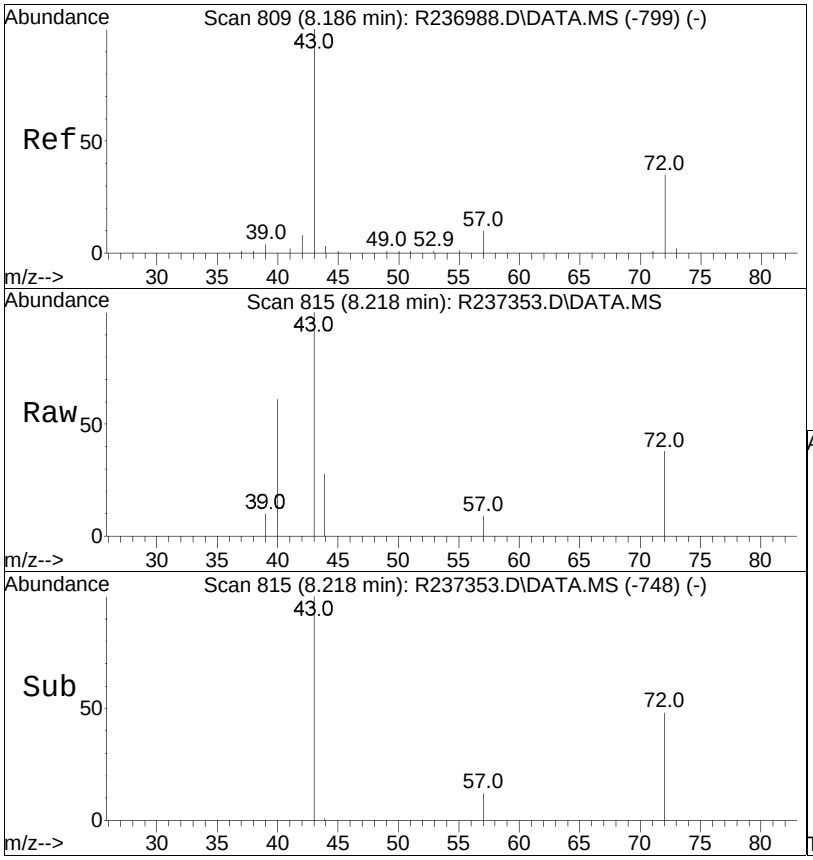


#31
Freon 113
Concen: 0.07 ppbV
RT: 6.807 min Scan# 561
Delta R.T. 0.016 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:101 Resp: 2780

Ion	Ratio	Lower	Upper
101	100		
85	34.3	33.0	49.6
151	81.4	69.8	104.8

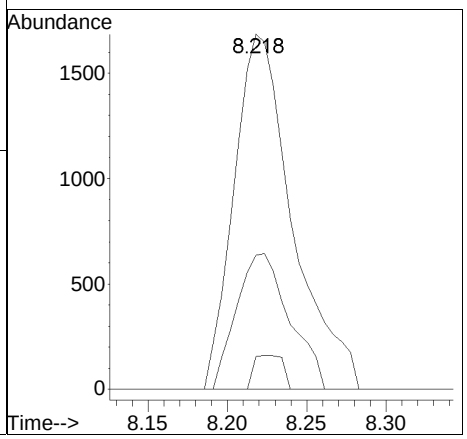


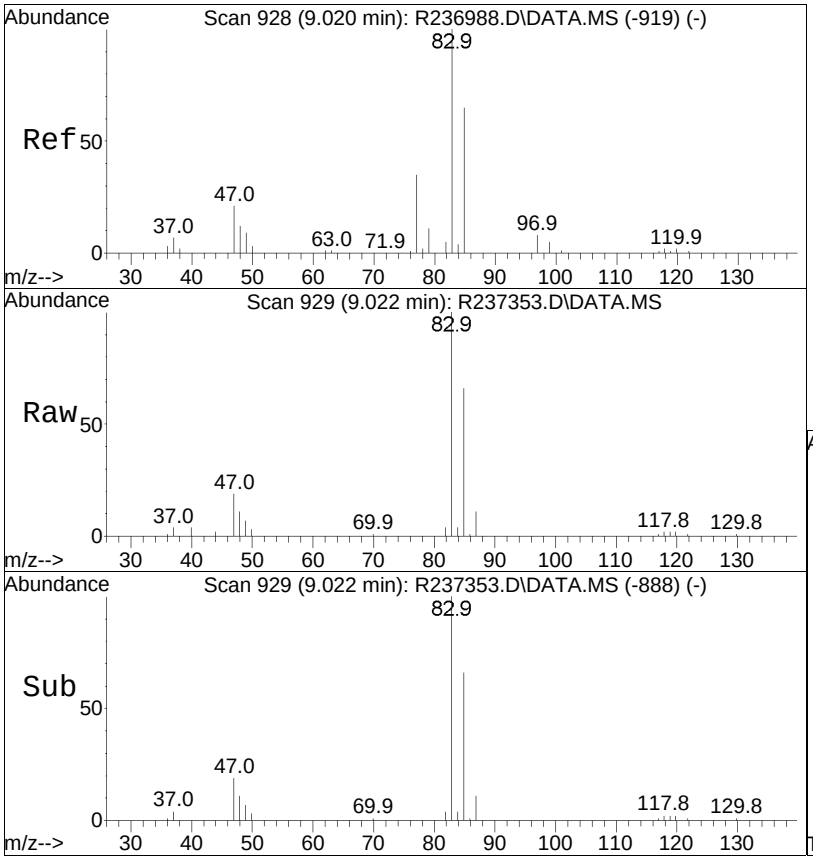


#36
2-butanone
Concen: 0.20 ppbV
RT: 8.218 min Scan# 815
Delta R.T. 0.032 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 43 Resp: 4334

Ion	Ratio	Lower	Upper
43	100		
72	37.7	27.8	41.6
57	9.3	7.7	11.5

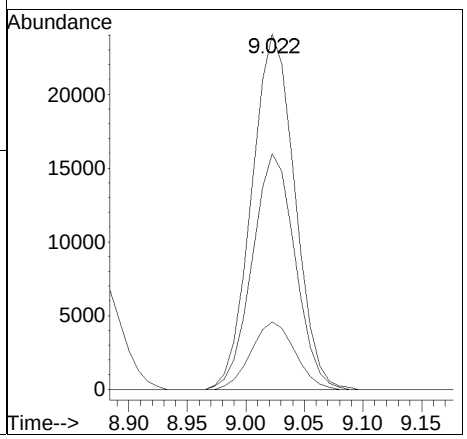


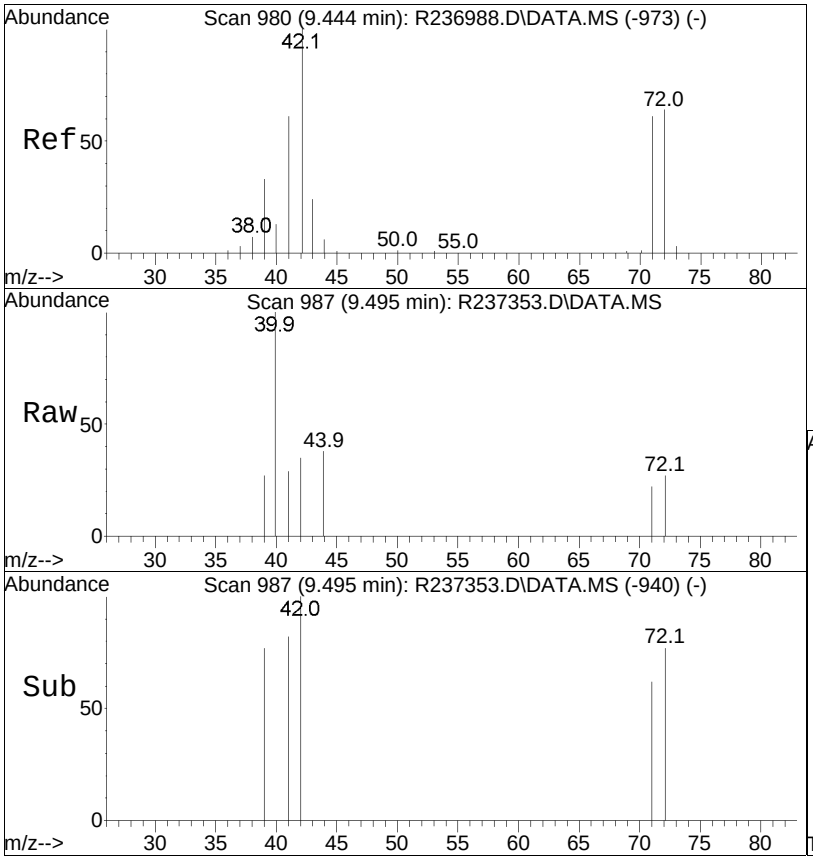


#39
chloroform
Concen: 1.54 ppbV
RT: 9.022 min Scan# 929
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 83 Resp: 61691

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5
47	19.0	17.1	25.7

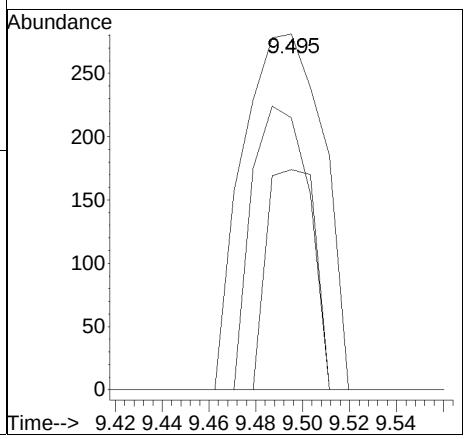


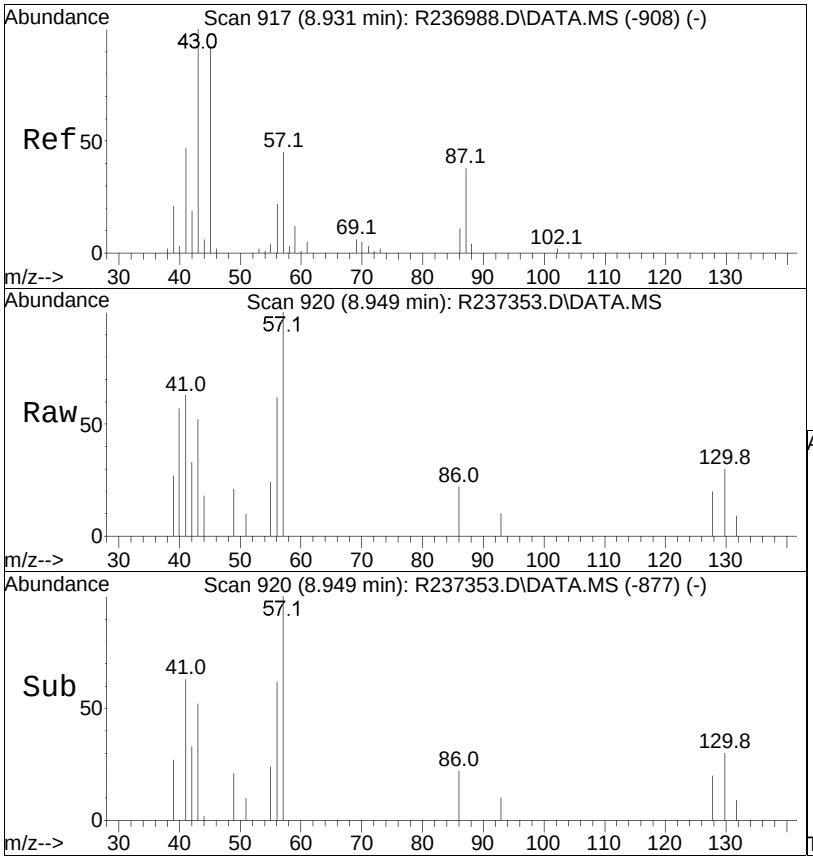


#40
Tetrahydrofuran
Concen: 0.06 ppbV
RT: 9.495 min Scan# 987
Delta R.T. 0.051 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 42 Resp: 669

Ion	Ratio	Lower	Upper
42	100		
71	61.9	48.6	72.8
72	76.5	51.2	76.8

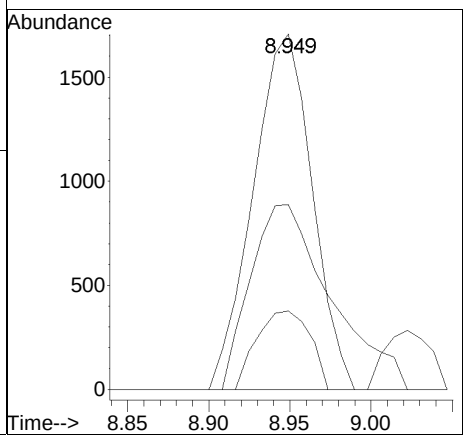


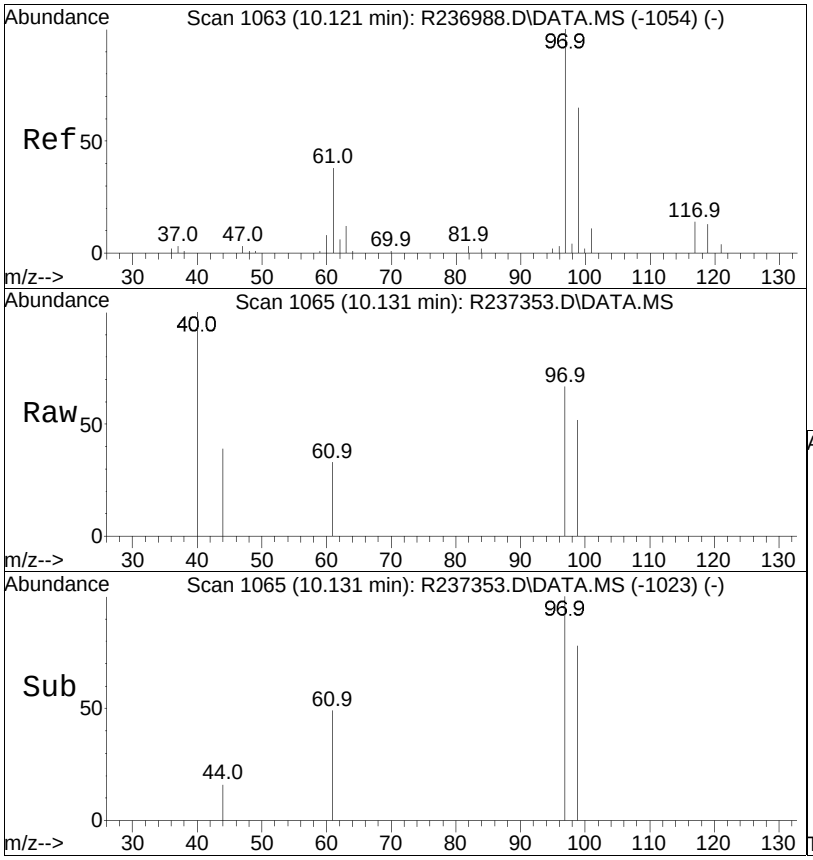


#44
hexane
Concen: 0.24 ppbV
RT: 8.949 min Scan# 920
Delta R.T. 0.018 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 57 Resp: 4327

Ion	Ratio	Lower	Upper
57	100		
43	52.0	177.1	265.7#
86	22.1	18.6	28.0

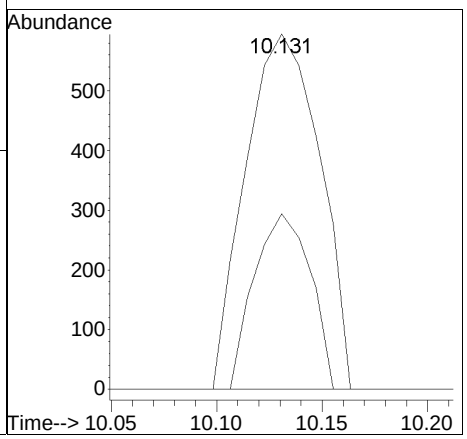


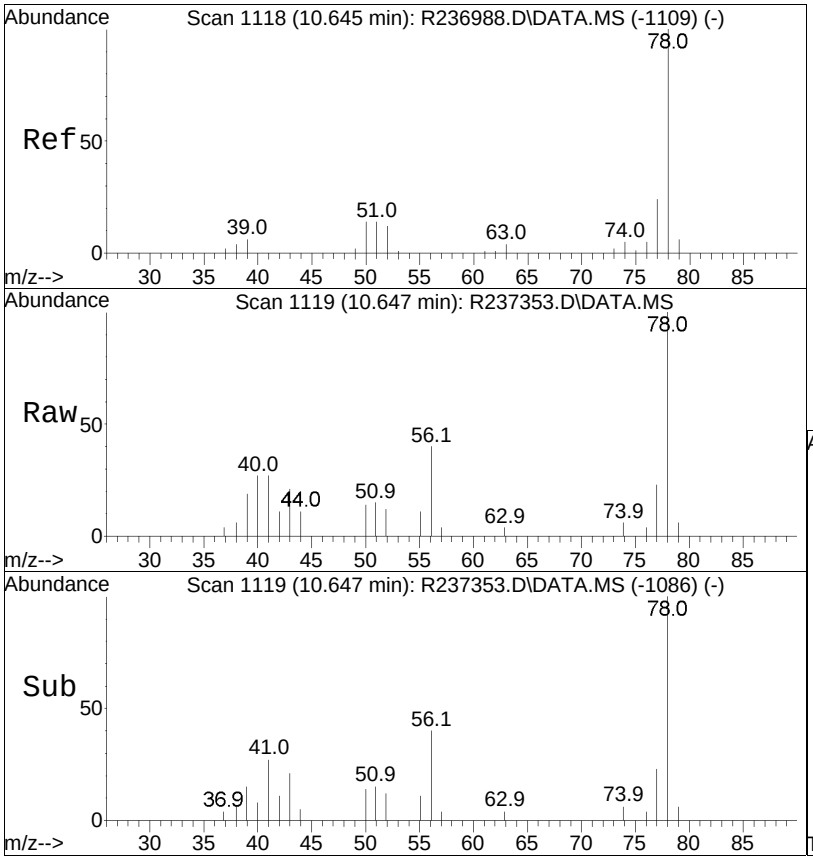


#48
1,1,1-trichloroethane
Concen: 0.04 ppbV
RT: 10.131 min Scan# 1065
Delta R.T. 0.010 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 97 Resp: 1459

Ion	Ratio	Lower	Upper
97	100		
61	49.4	30.1	45.1#
119	0.0	10.7	16.1#

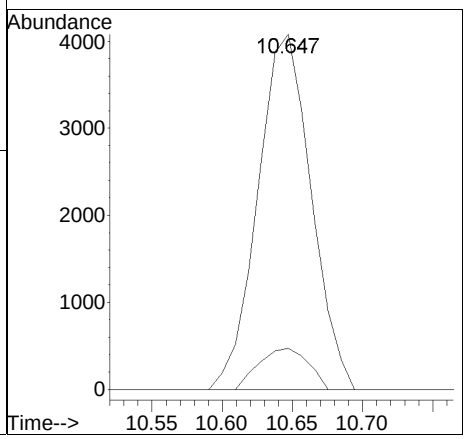


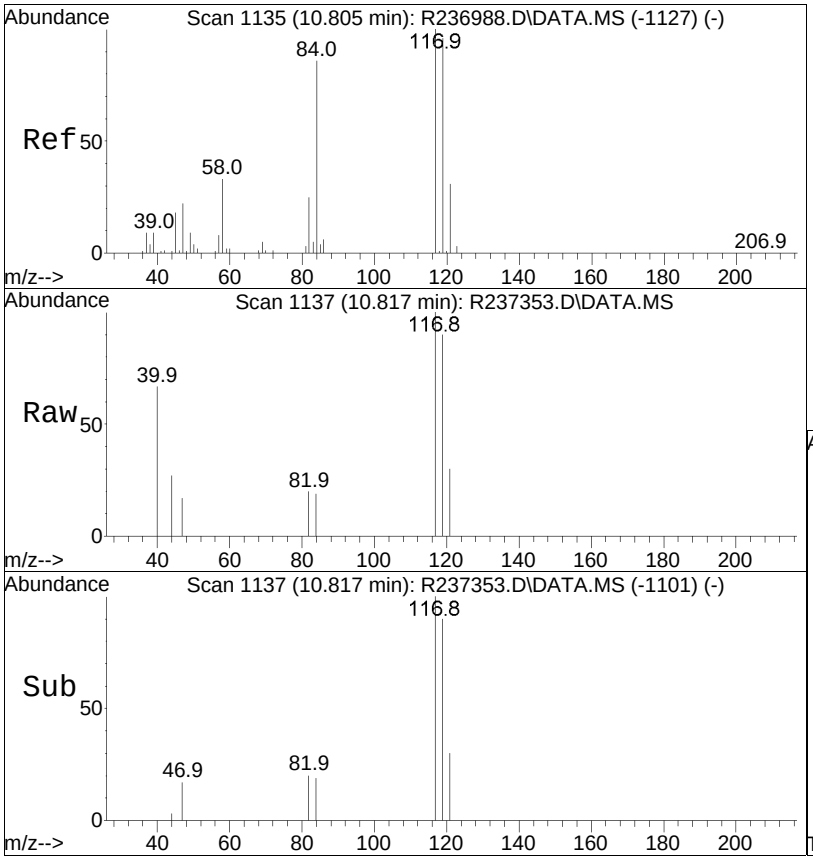


#50
benzene
Concen: 0.22 ppbV
RT: 10.647 min Scan# 1119
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 78 Resp: 10790

Ion	Ratio	Lower	Upper
78	100		
52	11.6	9.9	14.9

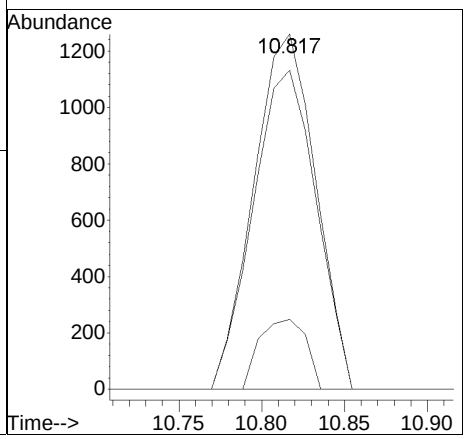


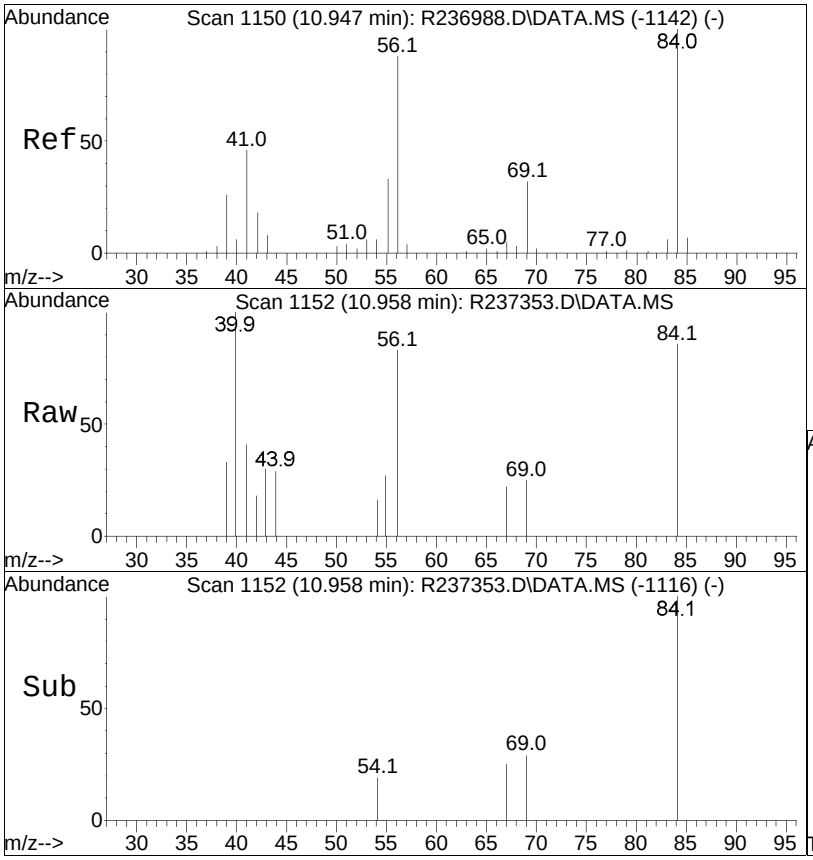


#52
carbon tetrachloride
Concen: 0.07 ppbV
RT: 10.817 min Scan# 1137
Delta R.T. 0.011 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:117 Resp: 3285

Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.9	115.3
82	19.7	20.0	30.0#

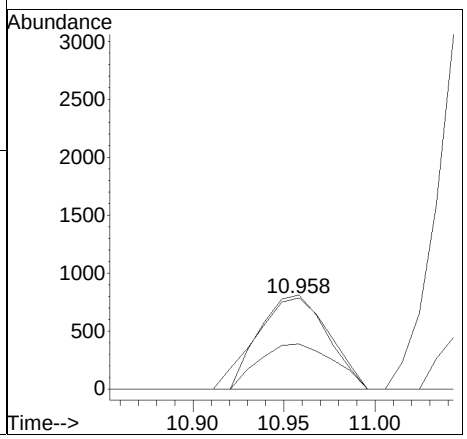


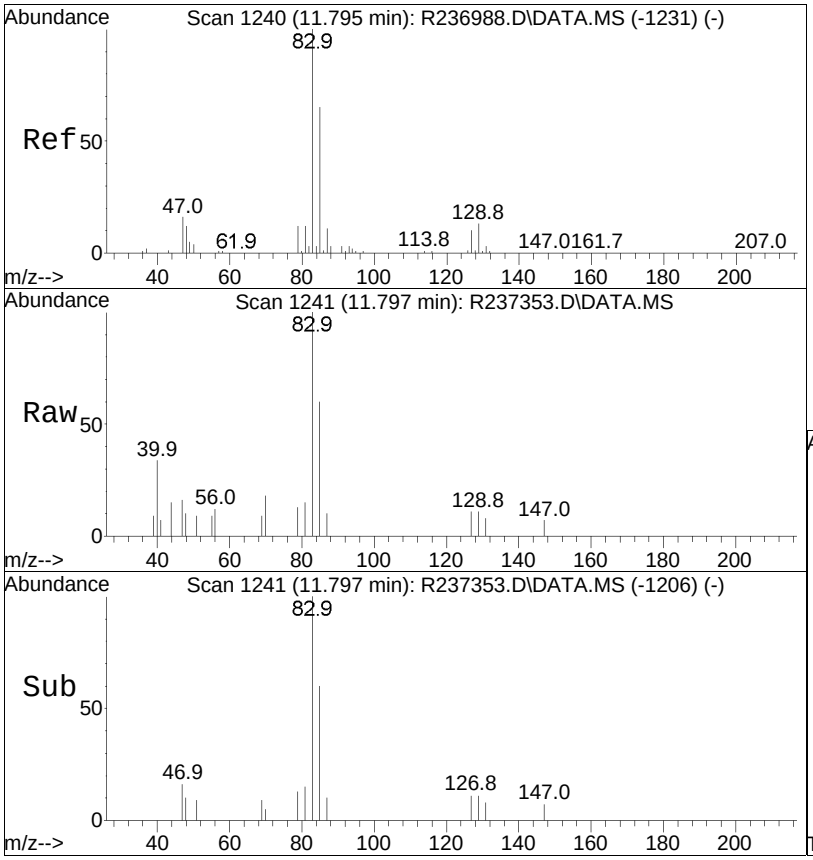


#53
cyclohexane
Concen: 0.12 ppbV
RT: 10.958 min Scan# 1152
Delta R.T. 0.011 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 56 Resp: 2216

Ion	Ratio	Lower	Upper
56	100		
84	103.0	91.1	136.7
41	49.6	42.2	63.2

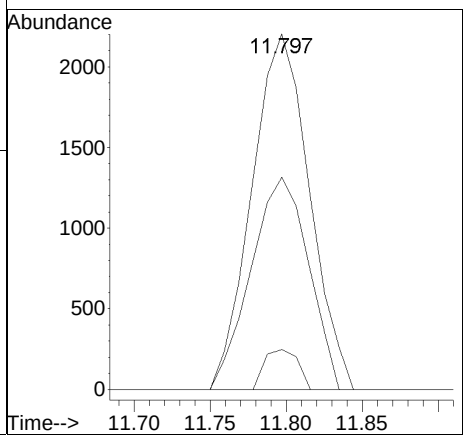


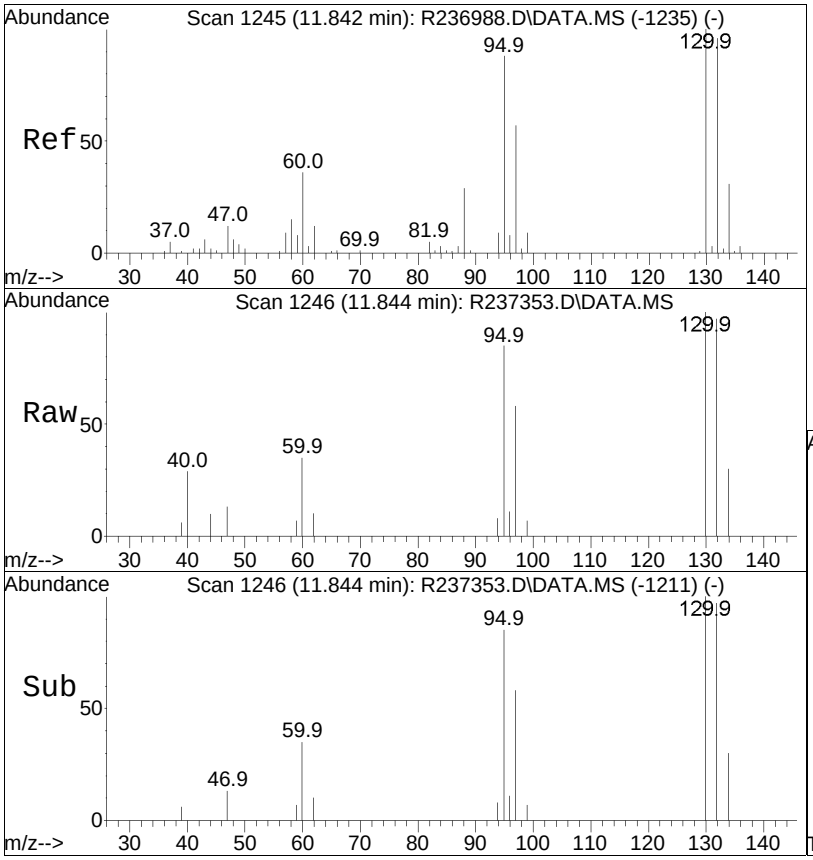


#57
bromodichloromethane
Concen: 0.16 ppbV
RT: 11.797 min Scan# 1241
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 83 Resp: 5809

Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.7	77.5
129	11.2	10.7	16.1

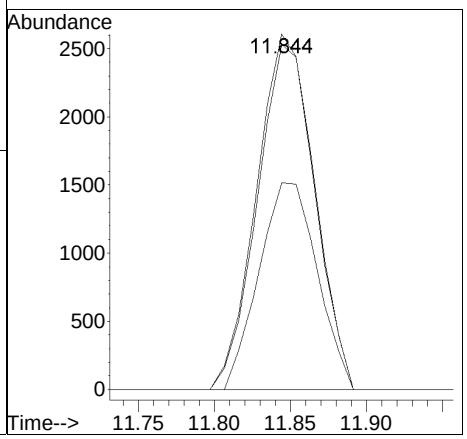


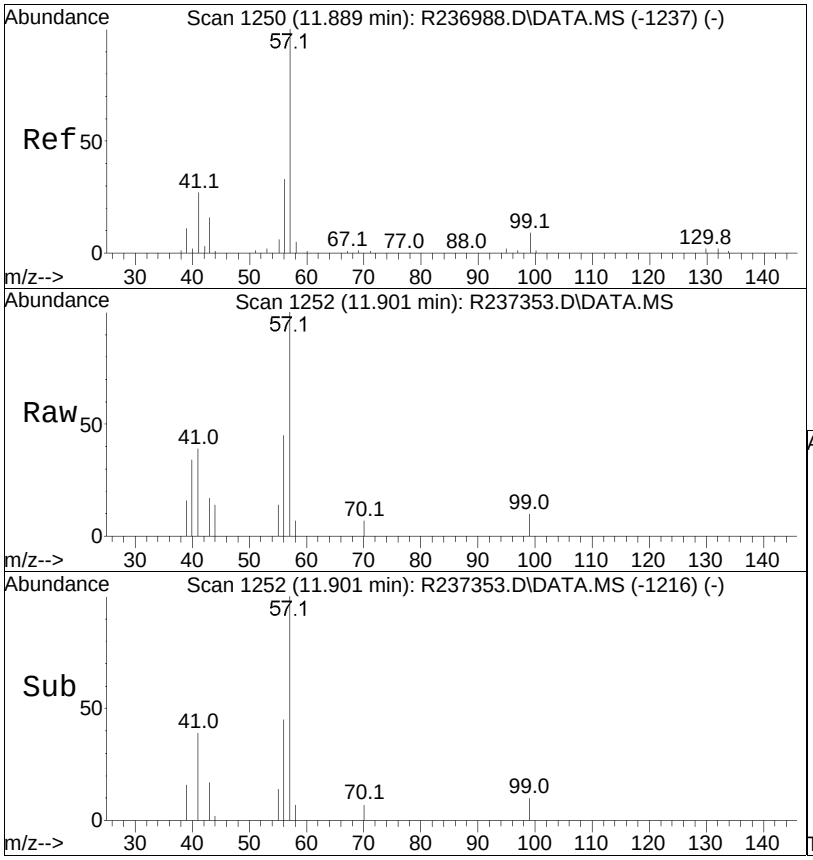


#59
trichloroethene
Concen: 0.23 ppbV
RT: 11.844 min Scan# 1246
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:130 Resp: 6862

Ion	Ratio	Lower	Upper
130	100		
132	97.1	76.7	115.1
97	58.1	45.7	68.5

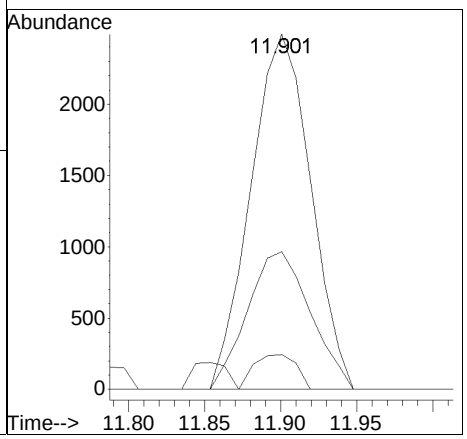


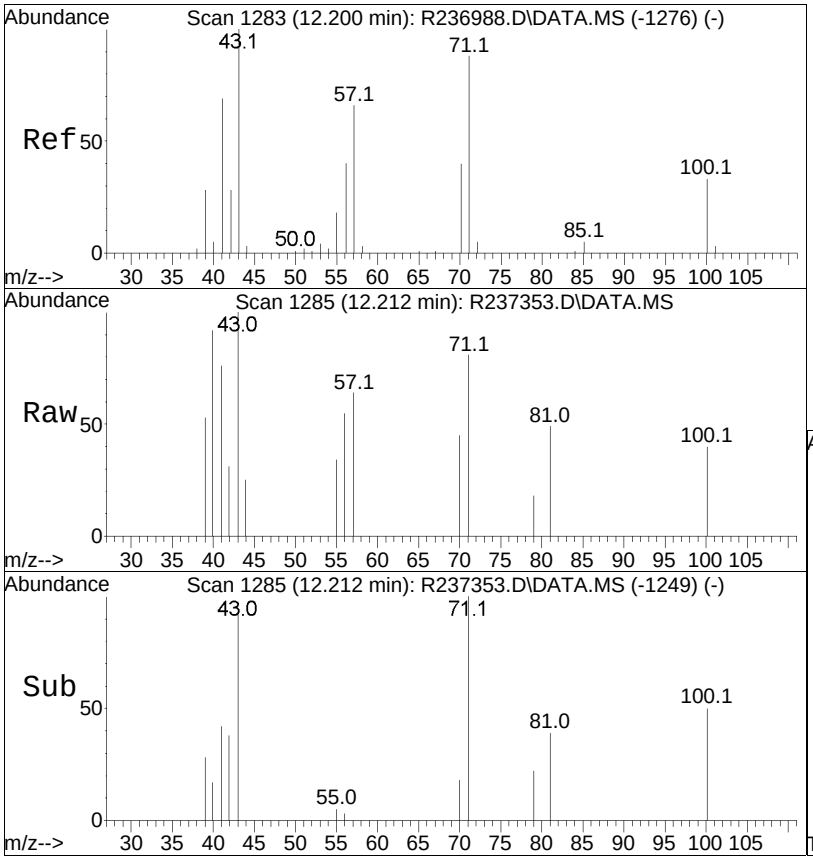


#60
2,2,4-trimethylpentane
Concen: 0.12 ppbV
RT: 11.901 min Scan# 1252
Delta R.T. 0.011 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 57 Resp: 6836

Ion	Ratio	Lower	Upper
57	100		
99	9.8	6.8	10.2
41	38.8	21.8	32.8#

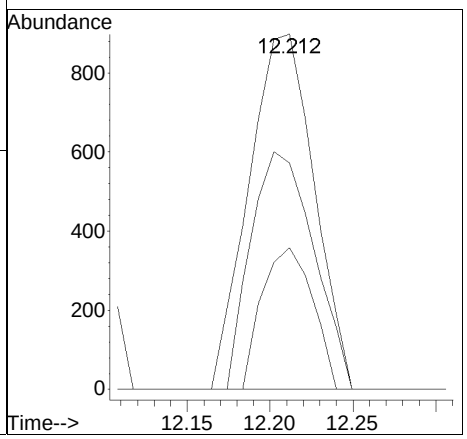


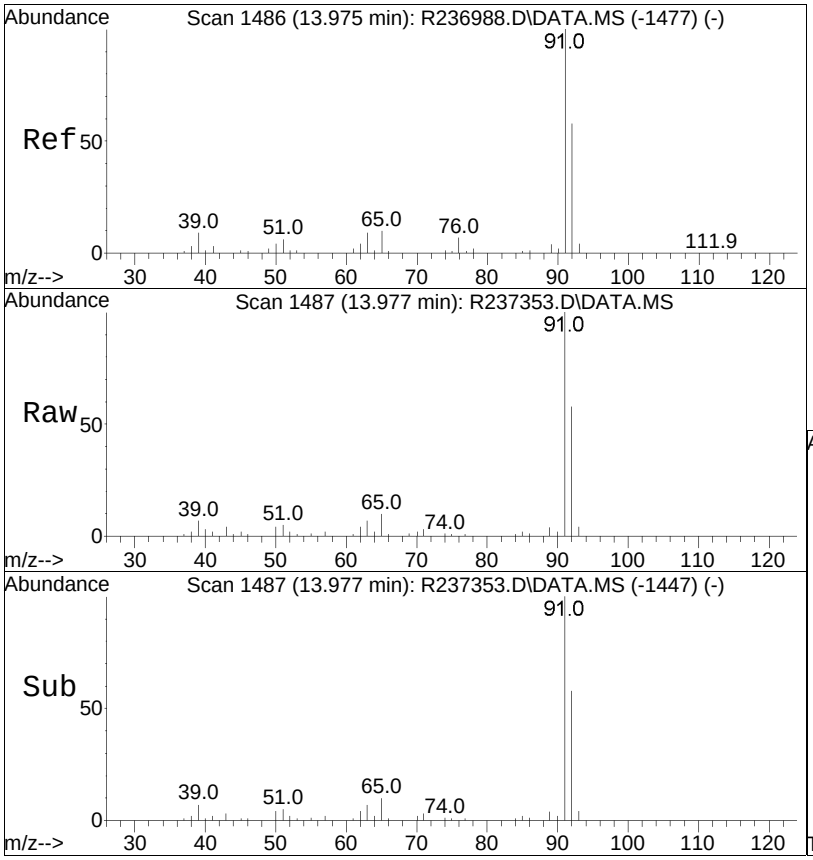


#62
heptane
Concen: 0.15 ppbV
RT: 12.212 min Scan# 1285
Delta R.T. 0.011 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 43 Resp: 2464

Ion	Ratio	Lower	Upper
43	100		
57	63.7	52.8	79.2
100	39.9	26.8	40.2

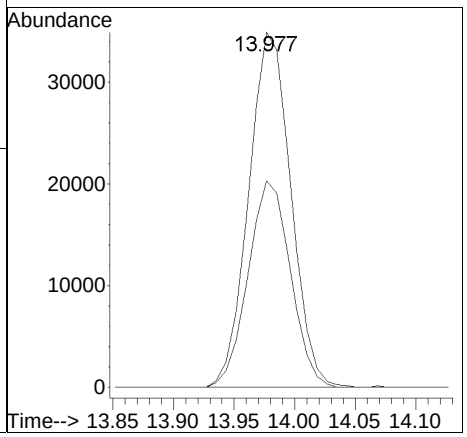


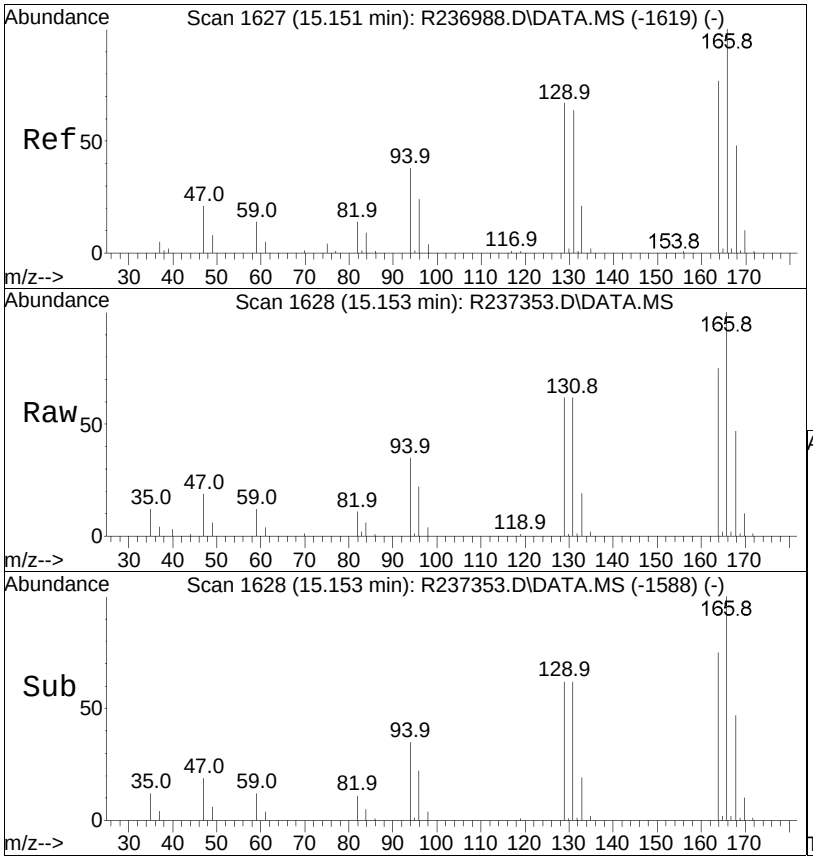


#68
toluene
Concen: 1.37 ppbV
RT: 13.977 min Scan# 1487
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 91 Resp: 84511

Ion	Ratio	Lower	Upper
91	100		
92	58.1	46.6	70.0

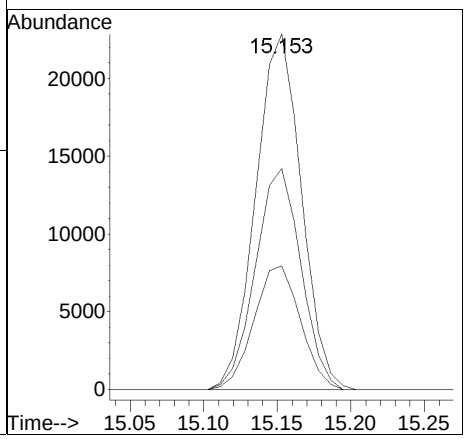


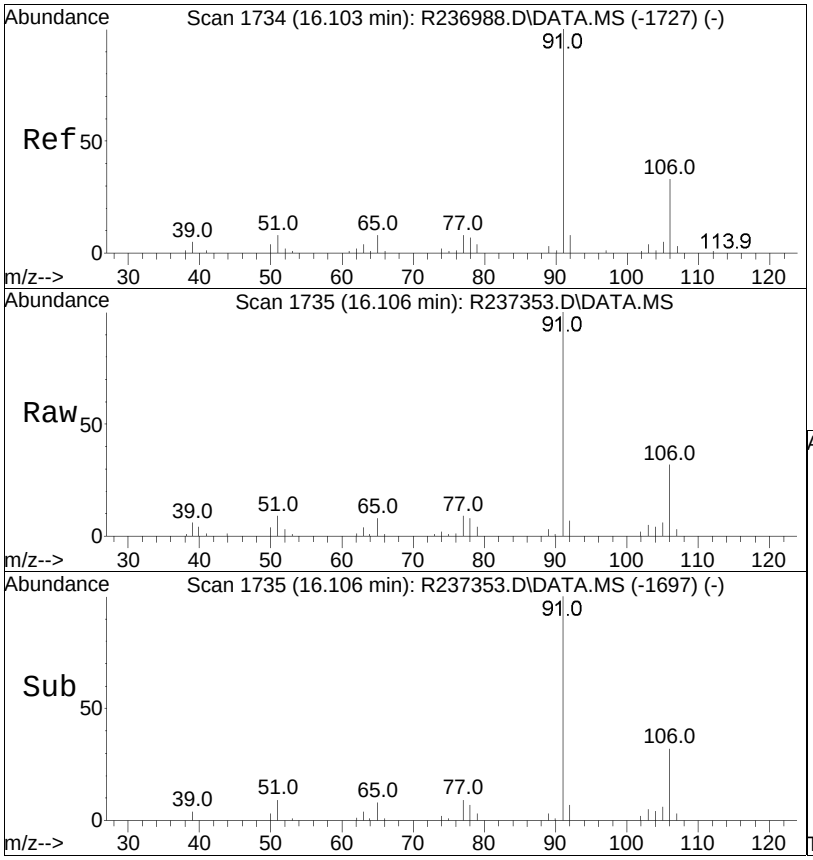


#78
tetrachloroethene
Concen: 1.27 ppbV
RT: 15.153 min Scan# 1628
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:166 Resp: 49173

Ion	Ratio	Lower	Upper
166	100		
131	62.2	51.4	77.0
94	34.8	30.2	45.2

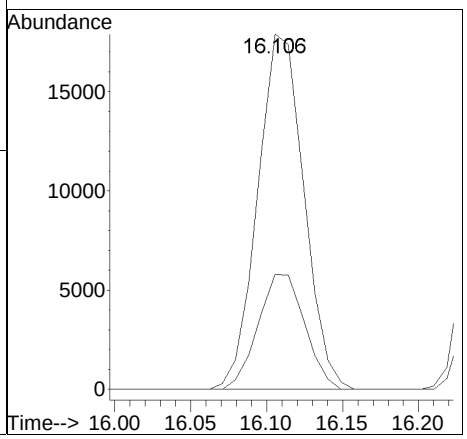


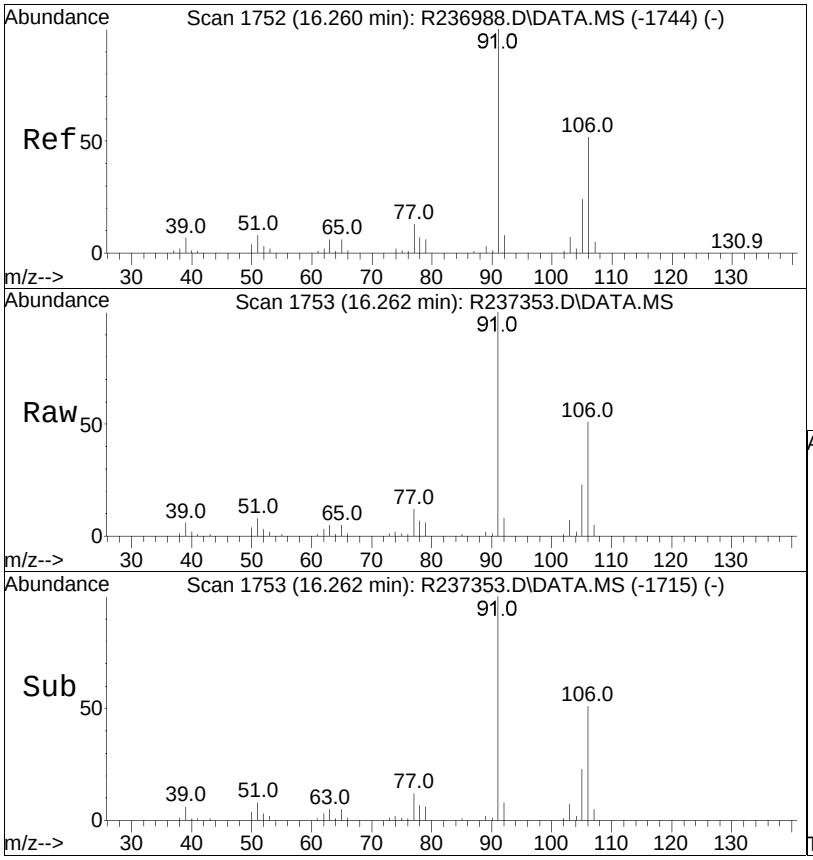


#81
ethylbenzene
Concen: 0.48 ppbV
RT: 16.106 min Scan# 1735
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 91 Resp: 37865

Ion	Ratio	Lower	Upper
91	100		
106	32.4	26.6	40.0

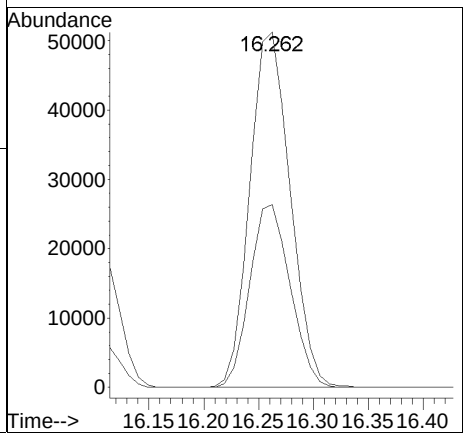


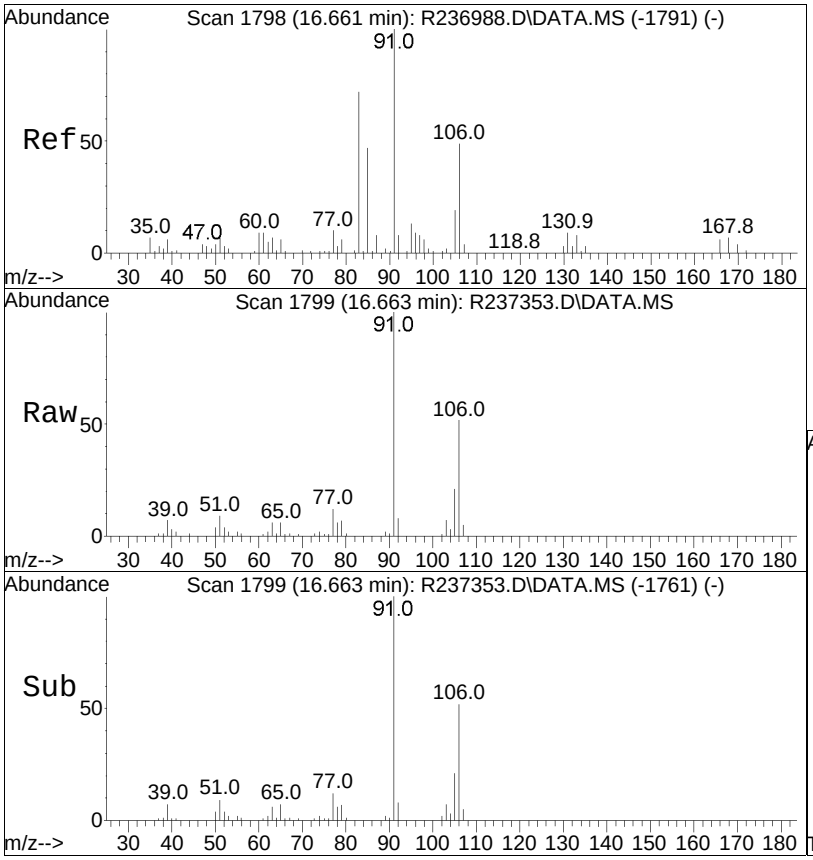


#83
m+p-xylene
Concen: 2.18 ppbV
RT: 16.262 min Scan# 1753
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 91 Resp: 131113

Ion	Ratio	Lower	Upper
91	100		
106	51.5	41.7	62.5

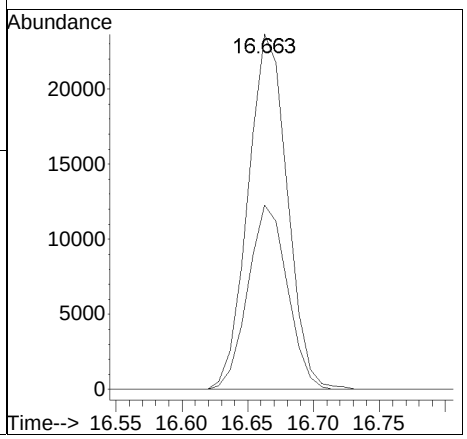


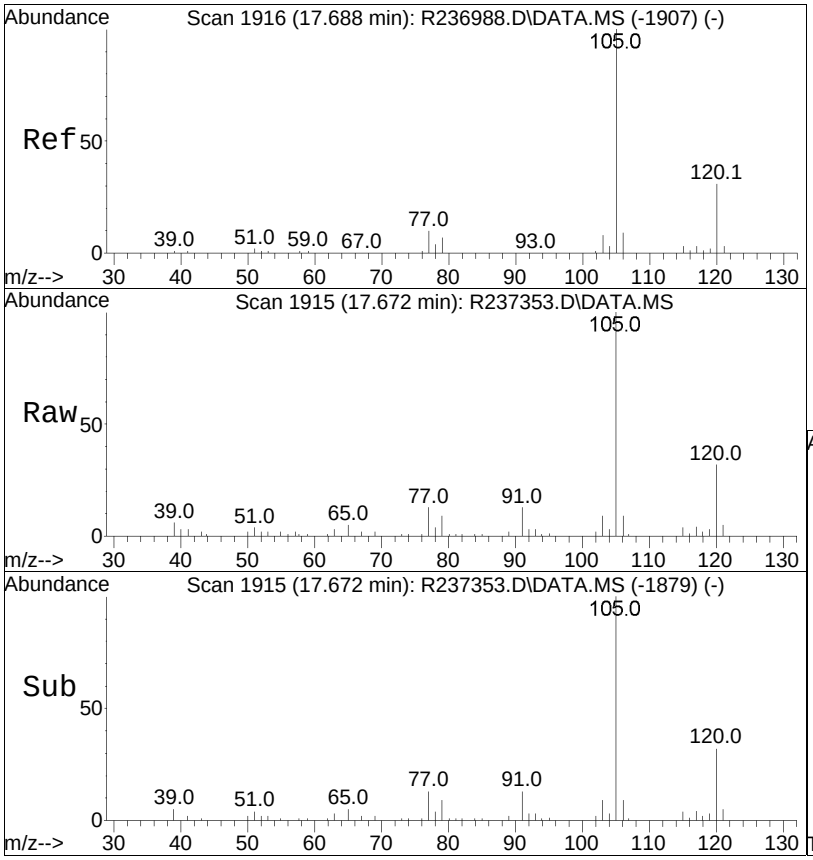


#87
o-xylene
Concen: 0.81 ppbV
RT: 16.663 min Scan# 1799
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion: 91 Resp: 49117

Ion	Ratio	Lower	Upper
91	100		
106	51.9	39.6	59.4

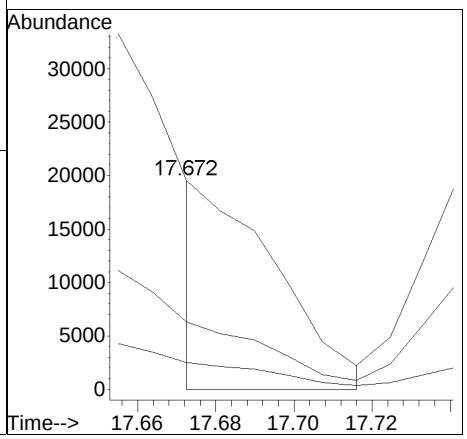


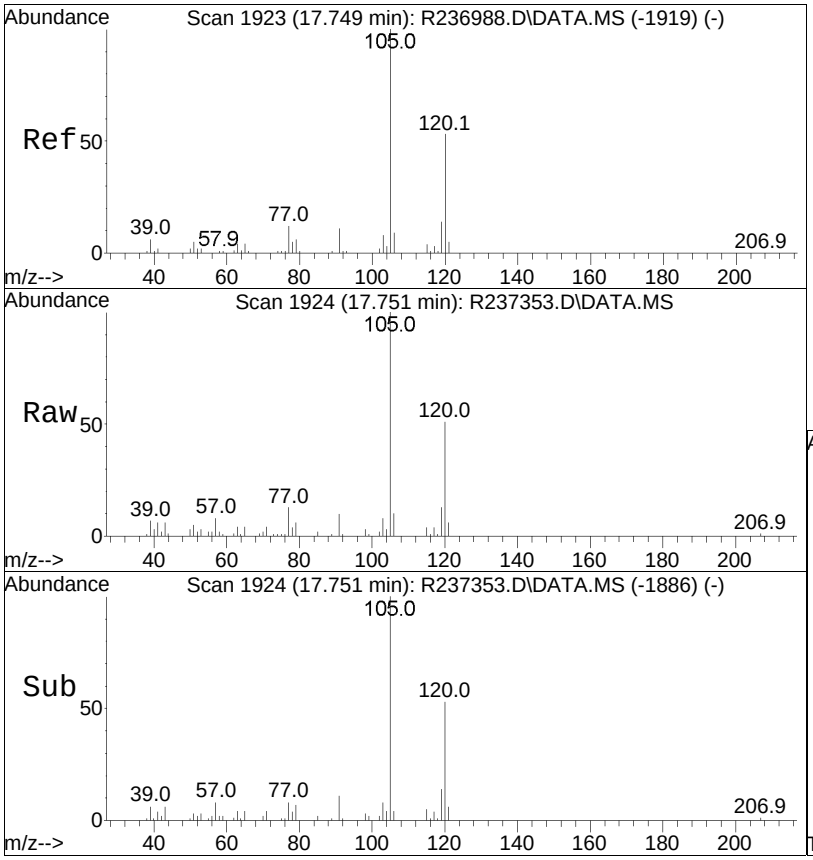


#96
4-ethyl toluene
Concen: 0.32 ppbV m
RT: 17.672 min Scan# 1915
Delta R.T. -0.015 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:105 Resp: 25149

Ion	Ratio	Lower	Upper
105	100		
120	32.3	25.1	37.7
91	12.9	8.8	13.2

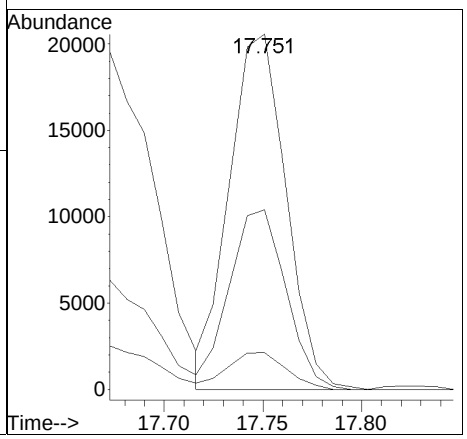


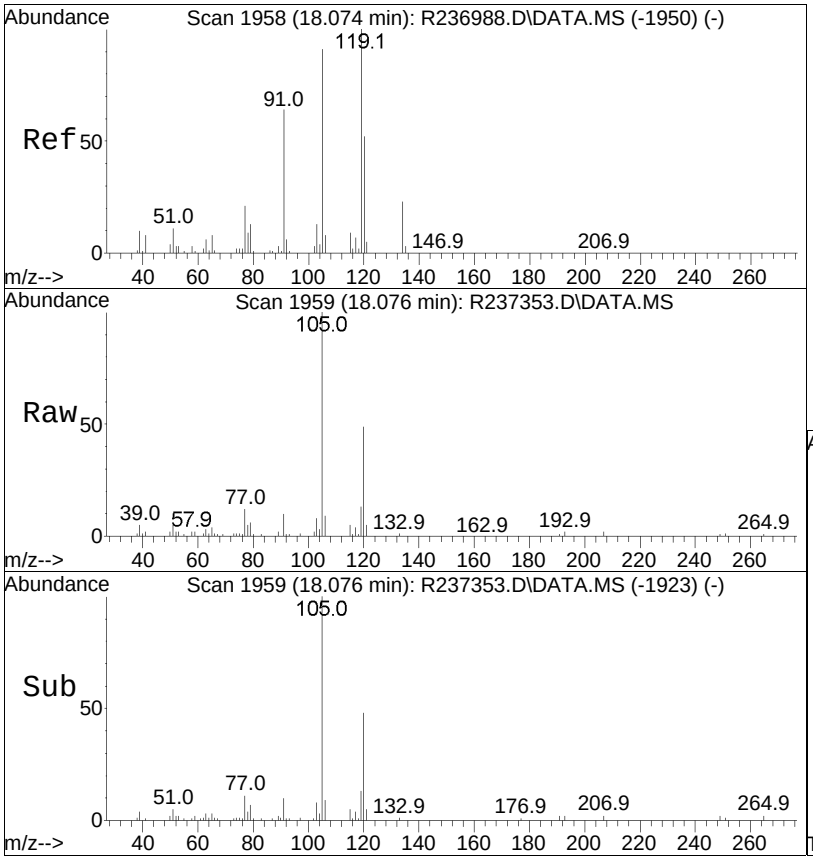


#97
1,3,5-trimethylbenzene
Concen: 0.61 ppbV
RT: 17.751 min Scan# 1924
Delta R.T. 0.002 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:105 Resp: 41188

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.7	61.1
91	10.3	8.5	12.7

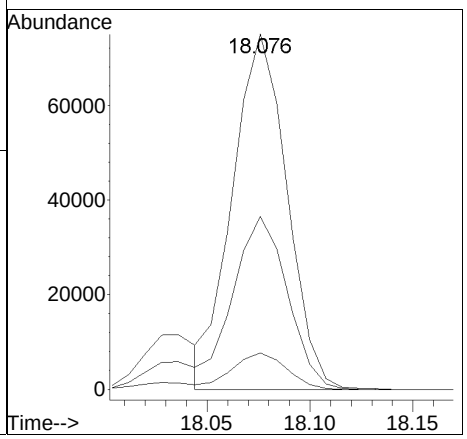


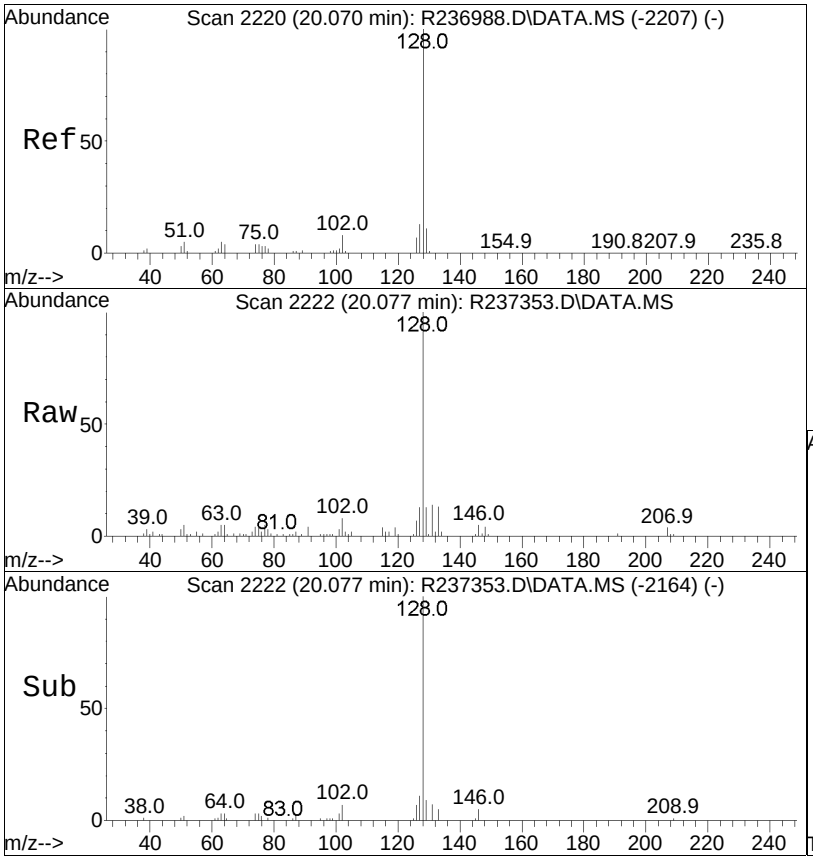


#99
1,2,4-trimethylbenzene
Concen: 1.93 ppbV m
RT: 18.076 min Scan# 1959
Delta R.T. 0.001 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:105 Resp: 138374

Ion	Ratio	Lower	Upper
105	100		
120	48.7	45.9	68.9
91	10.3	56.2	84.2#

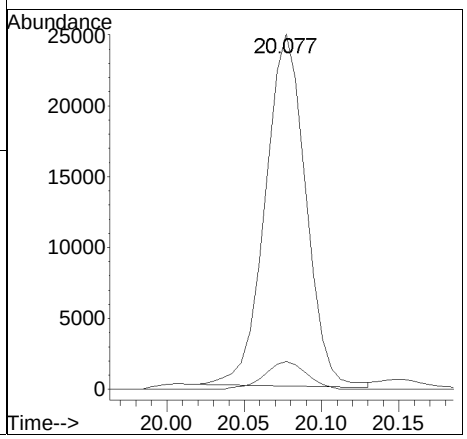




#116
naphthalene
Concen: 0.46 ppbV
RT: 20.077 min Scan# 2222
Delta R.T. 0.007 min
Lab File: R237353.D
Acq: 19 Dec 2025 04:18 am

Tgt Ion:128 Resp: 45172

Ion	Ratio	Lower	Upper
128	100		
102	7.9	6.4	9.6

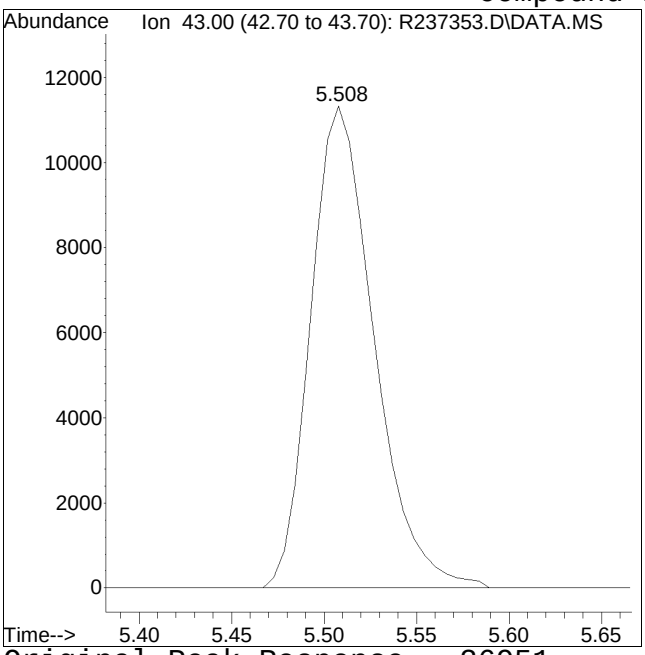


Manual Integration Report

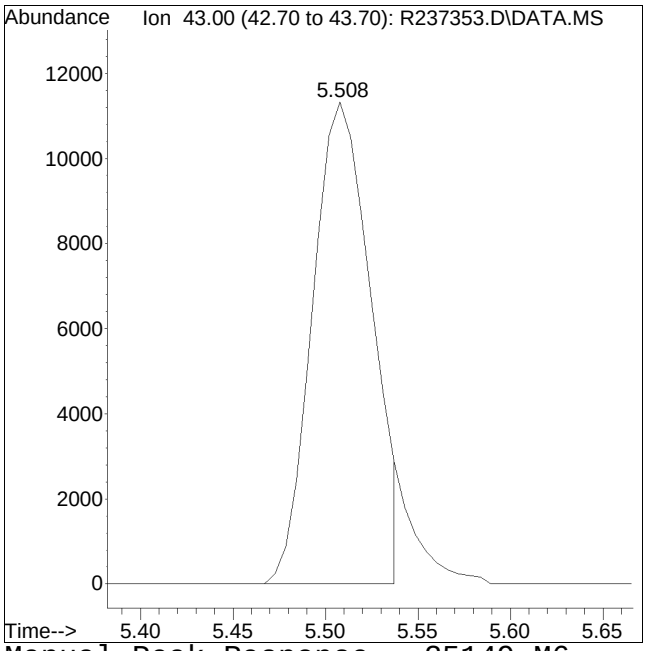
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237353.D
Date Inj'd : 12/19/2025 4:18 am
Sample : L2577500-23,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:20 am

Compound #19: acetone



Original Peak Response = 26951



Manual Peak Response = 25149 M6

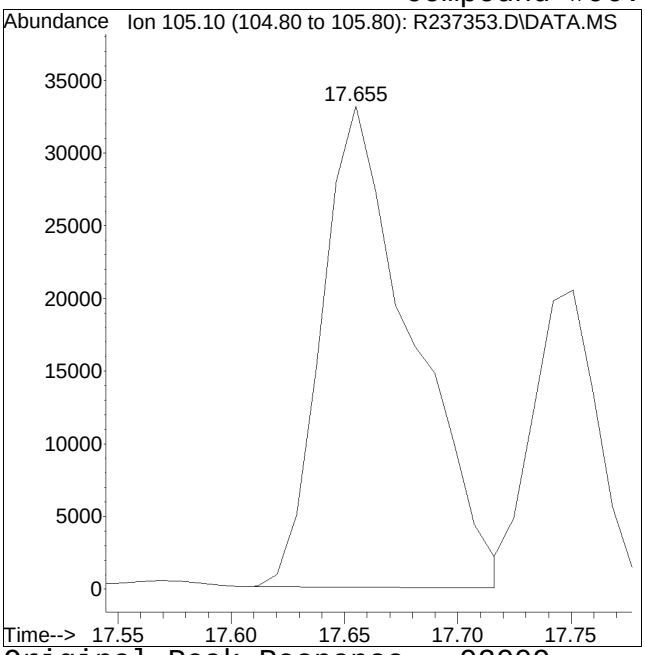
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

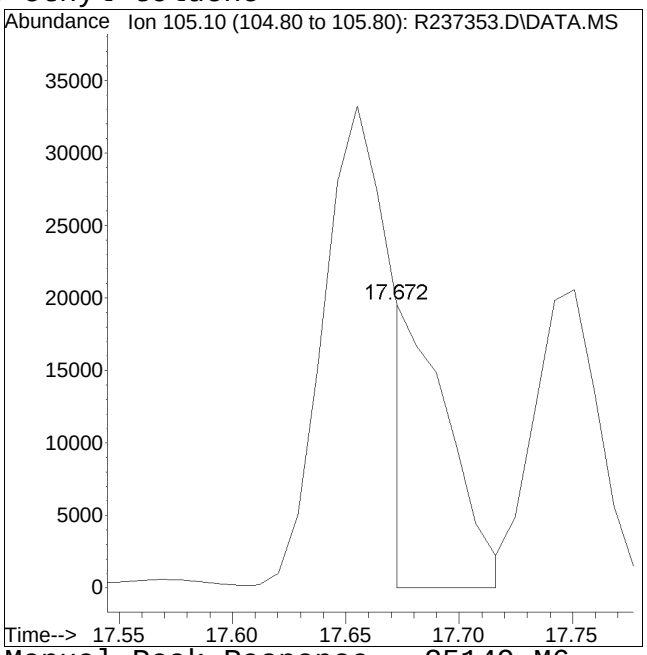
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237353.D
Date Inj'd : 12/19/2025 4:18 am
Sample : L2577500-23,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:20 am

Compound #96: 4-ethyl toluene



Original Peak Response = 92009



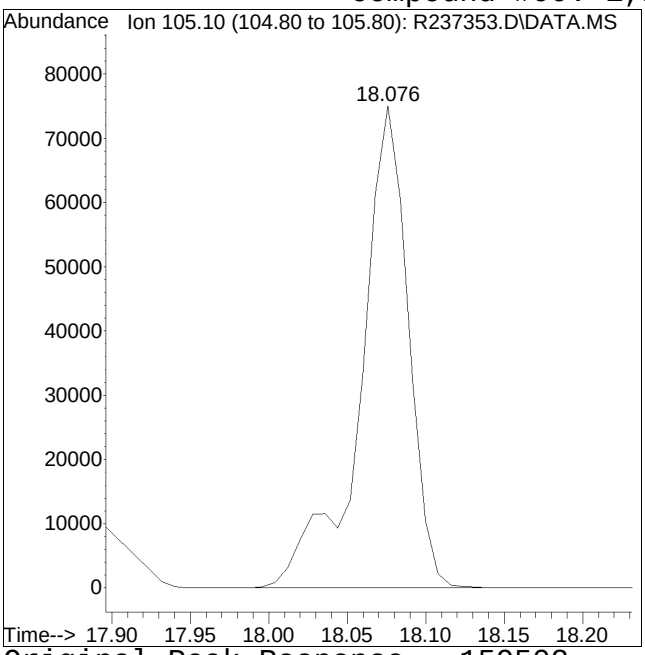
Manual Peak Response = 25149 M6

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

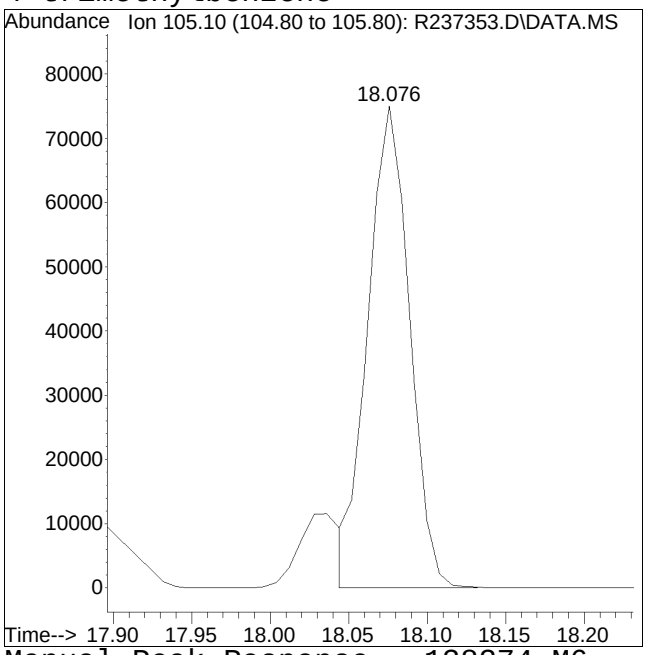
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237353.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 4:18 am Instrument : Airlab23
Sample : L2577500-23,3,250,250 Quant Date : 12/19/2025 7:20 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 159502



Manual Peak Response = 138374 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237354.D
Acq On : 19 Dec 2025 04:57 am
Operator : AIRLAB23:TPH
Sample : L2577500-24,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 07:21:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.868	49	185050	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		89.82%	
43) 1,4-difluorobenzene	11.052	114	682392	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		82.77%	
67) chlorobenzene-D5	15.731	54	92210	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		89.72%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.862	85	38688	0.773	ppbV	97
6) chloromethane	4.038	50	675	0.049	ppbV #	41
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	4.992	31	778324	109.089	ppbV	84
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.490	43	40213M6	2.225	ppbV	
21) trichlorofluoromethane	5.672	101	9332	0.175	ppbV	96
22) isopropyl alcohol	5.783	45	34470	1.812	ppbV	98
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.448	59	938	0.039	ppbV #	48
28) methylene chloride	6.499		0	N.D.		
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.807	76	1789	0.042	ppbV #	1
31) Freon 113	6.801	101	2676	0.062	ppbV	94
32) trans-1,2-dichloroethene	7.536	61	1432	0.069	ppbV	93
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	7.801		0	N.D.		
36) 2-butanone	8.207	43	5604	0.243	ppbV	97
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.014	83	3606	0.086	ppbV	98
40) Tetrahydrofuran	9.487		0	N.D.		
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.941	57	4887	0.269	ppbV #	12

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237354.D
Acq On : 19 Dec 2025 04:57 am
Operator : AIRLAB23:TPH
Sample : L2577500-24,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 07:21:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.638	78	14842	0.299	ppbV	97
52) carbon tetrachloride	10.807	117	2773	0.060	ppbV	91
53) cyclohexane	10.949	56	1789	0.098	ppbV	87
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	11.891		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.844	130	1681	0.057	ppbV #	86
60) 2,2,4-trimethylpentane	11.891	57	7869	0.140	ppbV #	94
62) heptane	12.202	43	3039	0.177	ppbV	98
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917	43	2139	0.086	ppbV	90
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.977	91	125852	1.972	ppbV	98
72) 2-hexanone	14.319		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.153	166	160345	4.004	ppbV	94
80) chlorobenzene	15.792		0	N.D.		
81) ethylbenzene	16.106	91	48354	0.592	ppbV	97
83) m+p-xylene	16.262	91	169213	2.729	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.576		0	N.D.		
86) 1,1,2,2-tetrachloroethane	16.706		0	N.D.		
87) o-xylene	16.663	91	57226	0.913	ppbV	95
96) 4-ethyl toluene	17.672	105	25955M6	0.315	ppbV	
97) 1,3,5-trimethylbenzene	17.751	105	37593	0.542	ppbV	99
99) 1,2,4-trimethylbenzene	18.076	105	126331M6	1.703	ppbV	
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	18.259		0	N.D.		
103) 1,4-dichlorobenzene	18.259		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.077	128	37204	0.371	ppbV	99
119) hexachlorobutadiene	0.000		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237354.D
Acq On : 19 Dec 2025 04:57 am
Operator : AIRLAB23:TPH
Sample : L2577500-24,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 07:21:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

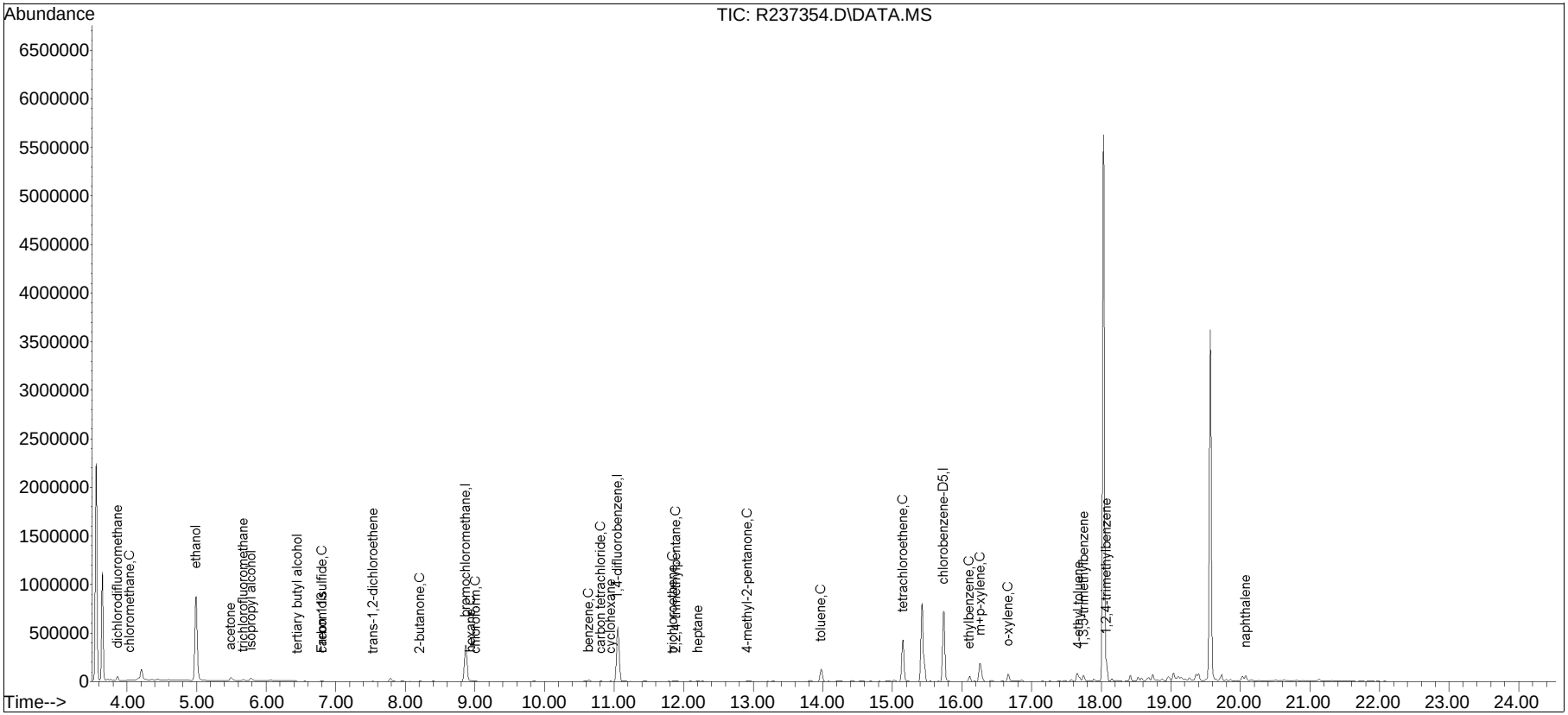
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

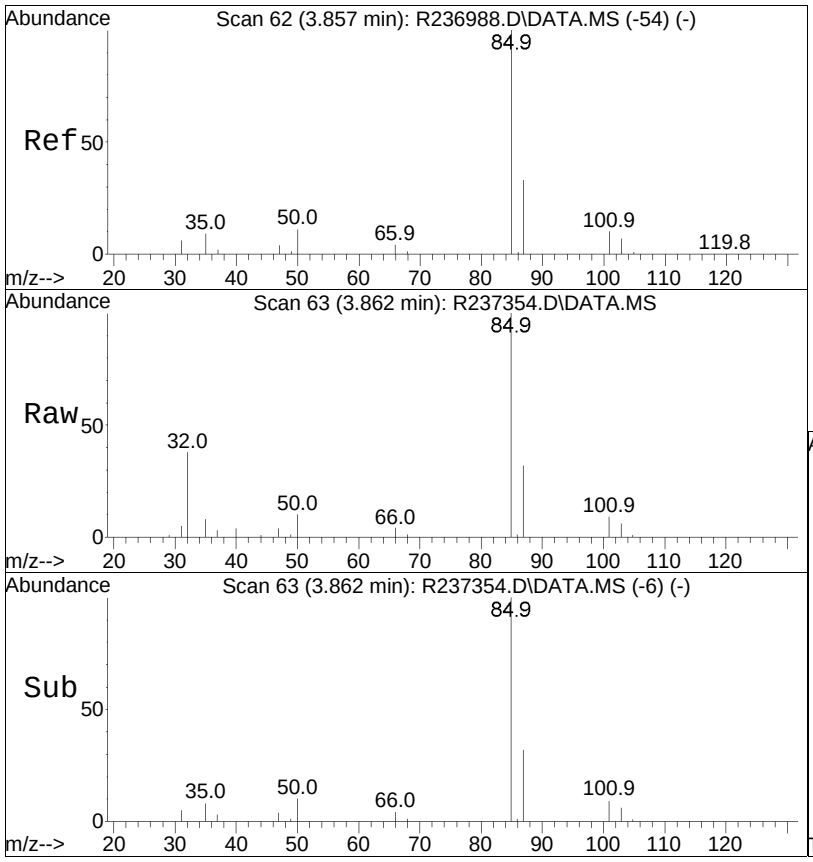
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237354.D
Acq On : 19 Dec 2025 04:57 am
Operator : AIRLAB23:TPH
Sample : L2577500-24,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 07:21:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

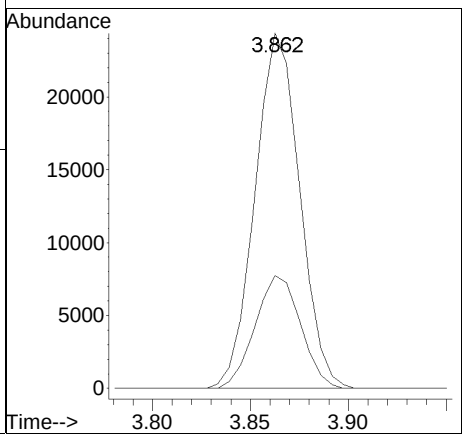


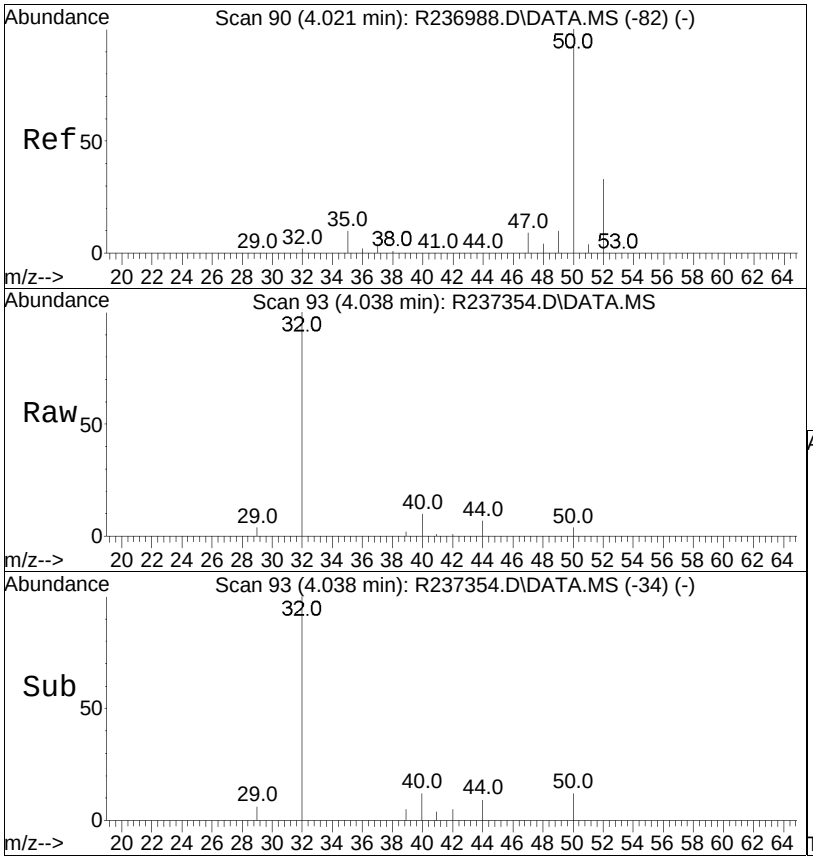


#5
dichlorodifluoromethane
Concen: 0.77 ppbV
RT: 3.862 min Scan# 63
Delta R.T. 0.006 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 85 Resp: 38688

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.8	40.2

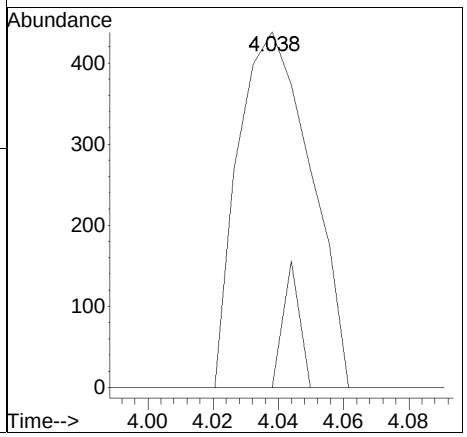


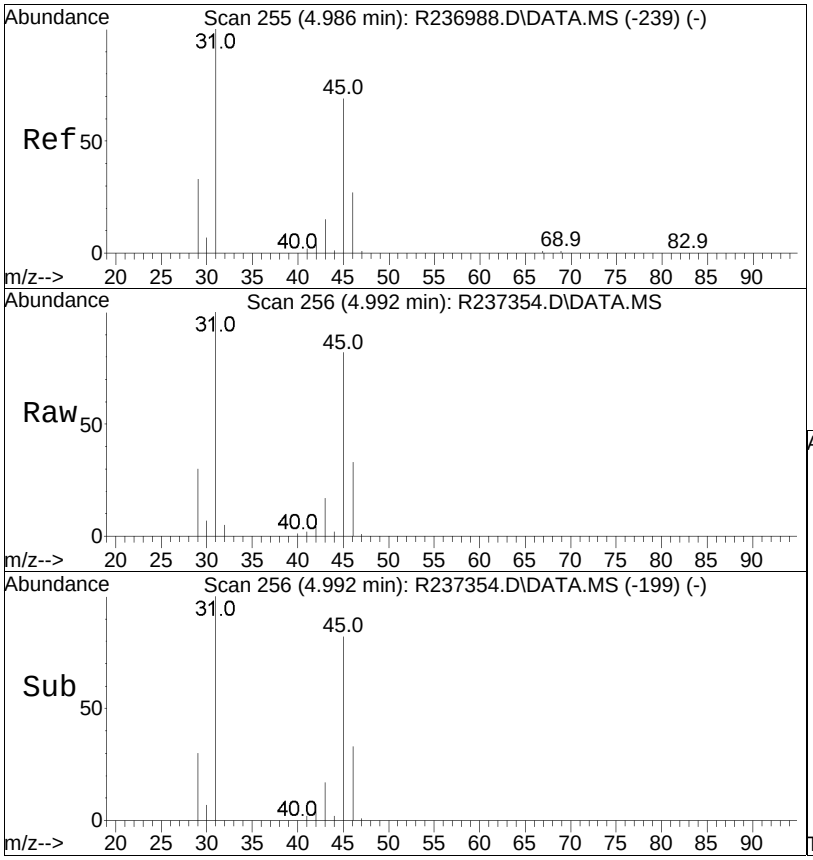


#6
chloromethane
Concen: 0.05 ppbV
RT: 4.038 min Scan# 93
Delta R.T. 0.017 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 50 Resp: 675

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.8	40.2#

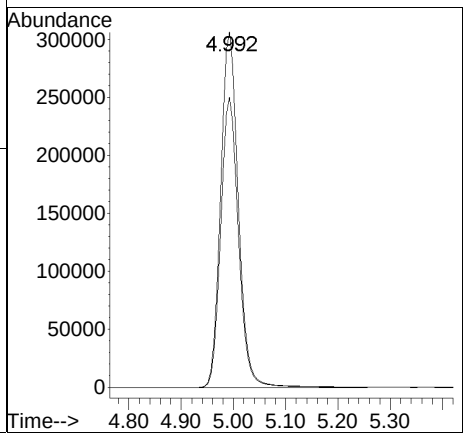


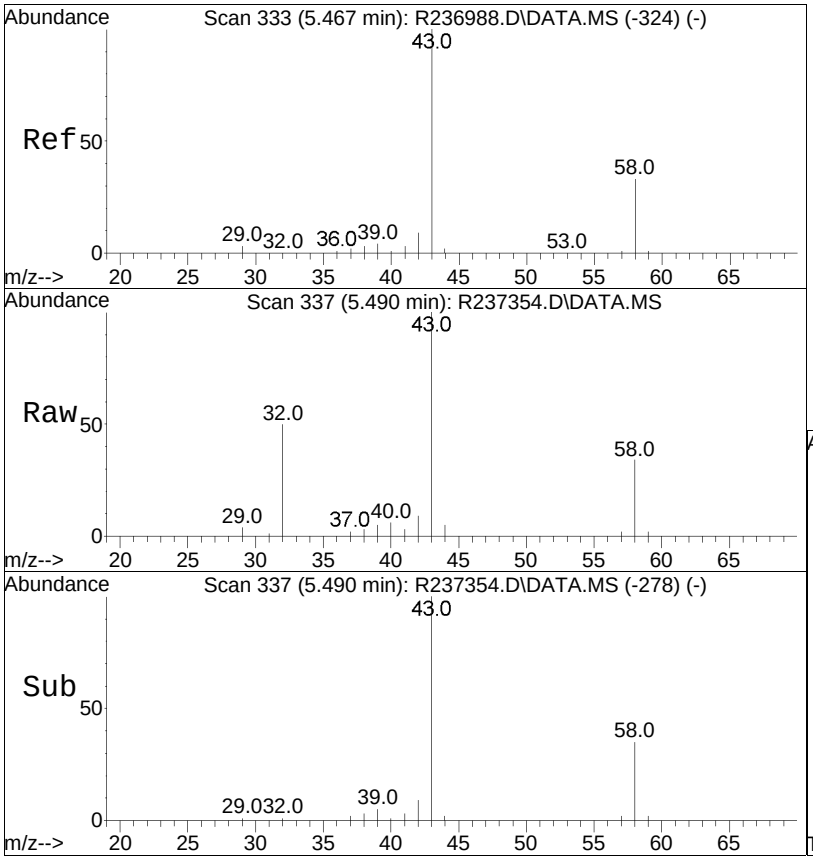


#15
ethanol
Concen: 109.09 ppbV
RT: 4.992 min Scan# 256
Delta R.T. 0.006 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 31 Resp: 778324

Ion	Ratio	Lower	Upper
31	100		
45	81.7	55.0	82.6

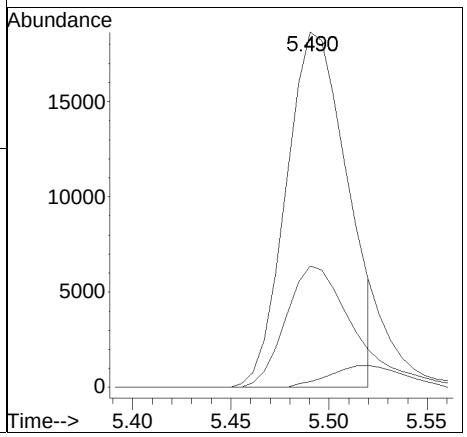


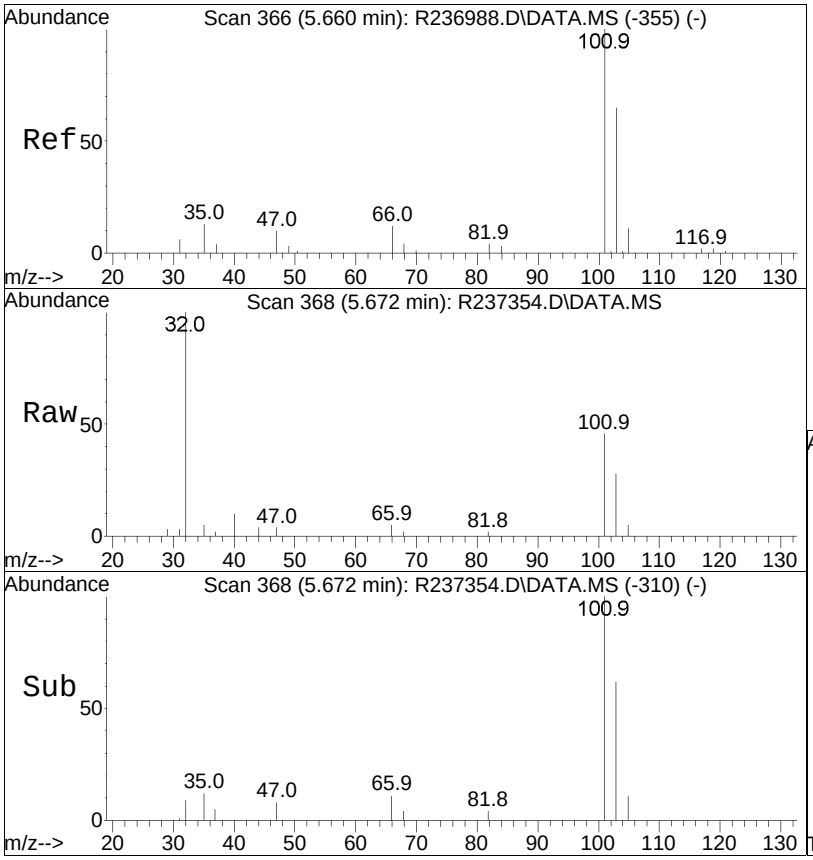


#19
acetone
Concen: 2.23 ppbV m
RT: 5.490 min Scan# 337
Delta R.T. 0.023 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 43 Resp: 40213

Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.2	39.4
57	1.6	0.7	1.1#

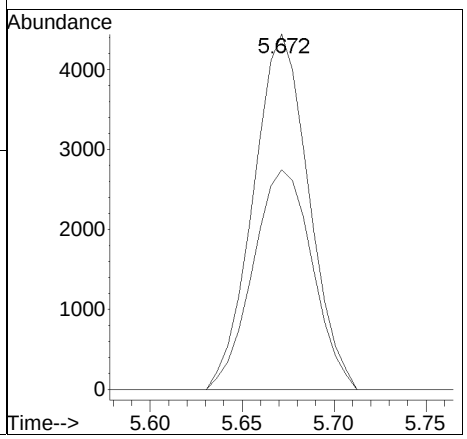


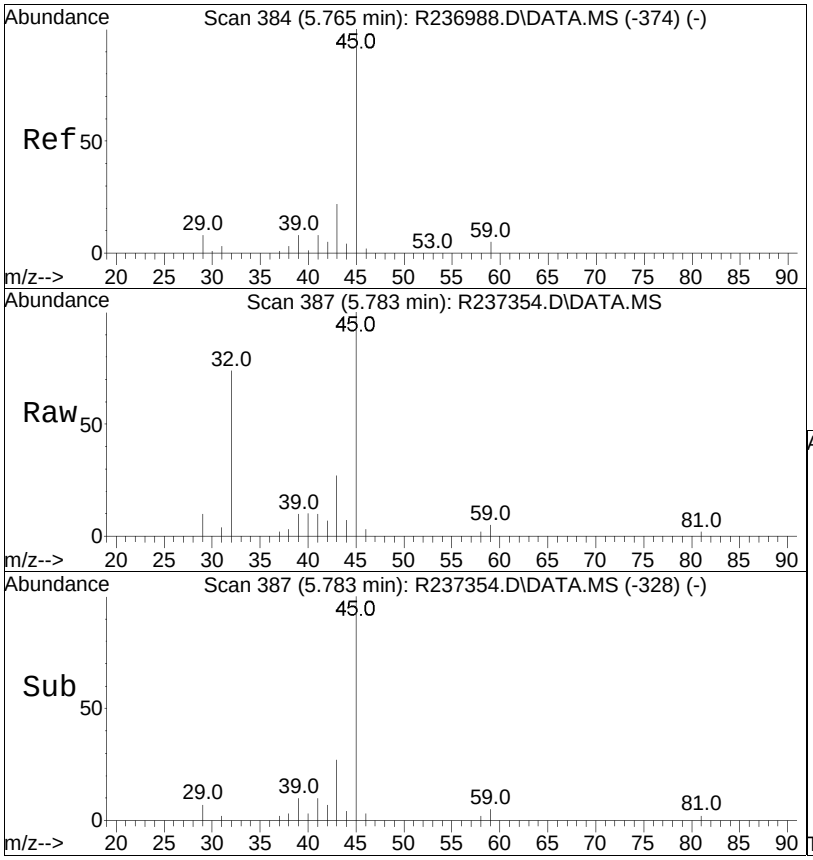


#21
trichlorofluoromethane
Concen: 0.17 ppbV
RT: 5.672 min Scan# 368
Delta R.T. 0.012 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:101 Resp: 9332

Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.1	78.1

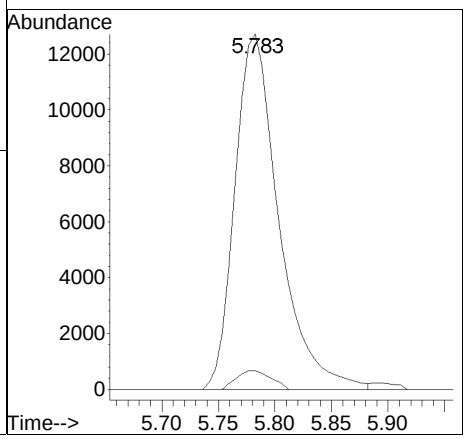


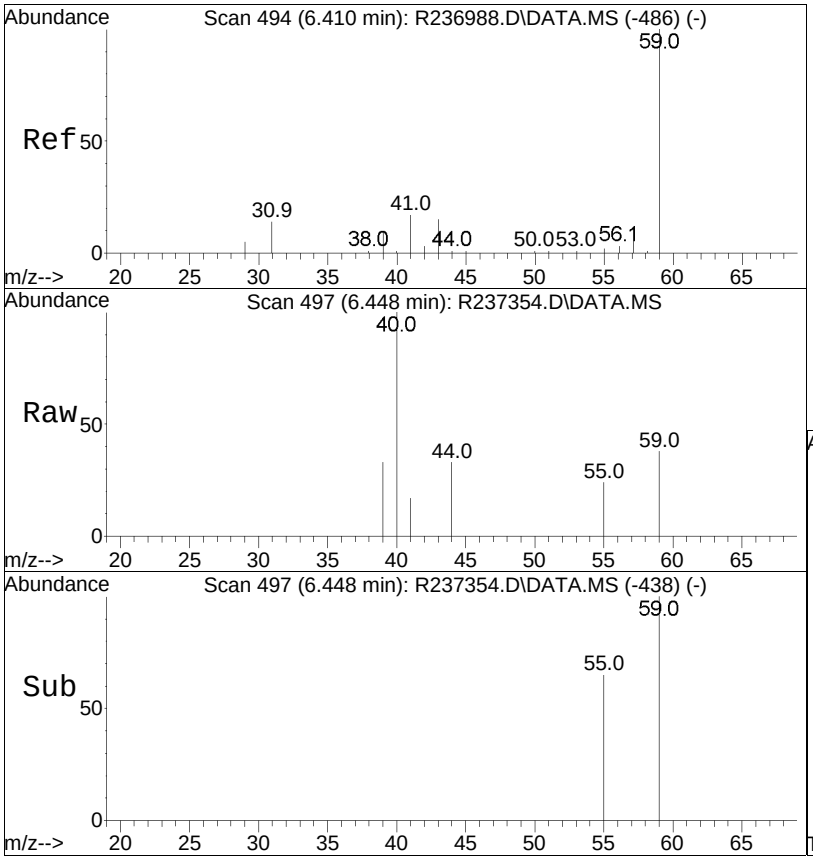


#22
isopropyl alcohol
Concen: 1.81 ppbV
RT: 5.783 min Scan# 387
Delta R.T. 0.017 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 45 Resp: 34470

Ion	Ratio	Lower	Upper
45	100		
59	5.3	3.8	5.6

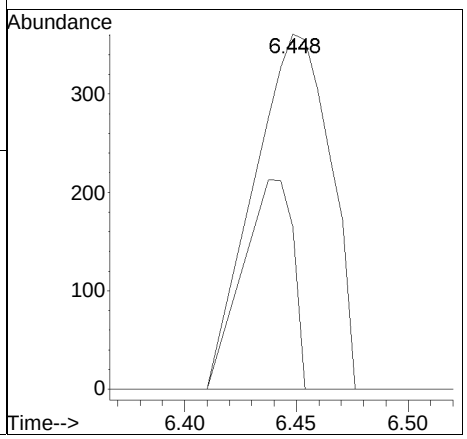


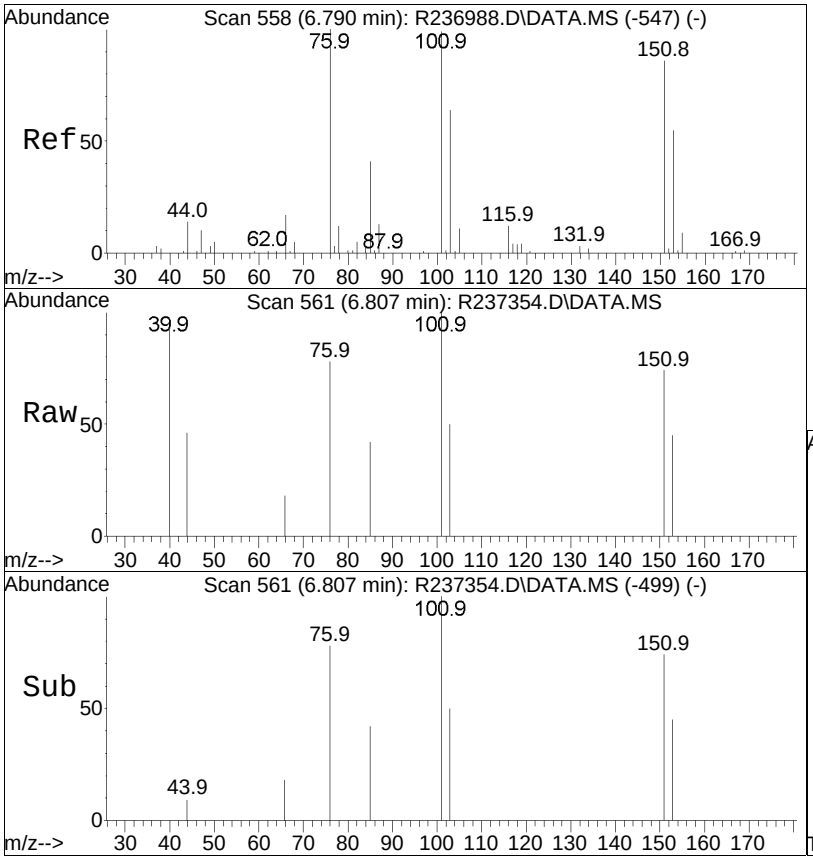


#27
tertiary butyl alcohol
Concen: 0.04 ppbV
RT: 6.448 min Scan# 497
Delta R.T. 0.038 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 59 Resp: 938

Ion	Ratio	Lower	Upper
59	100		
41	45.7	13.6	20.4#
43	0.0	11.7	17.5#

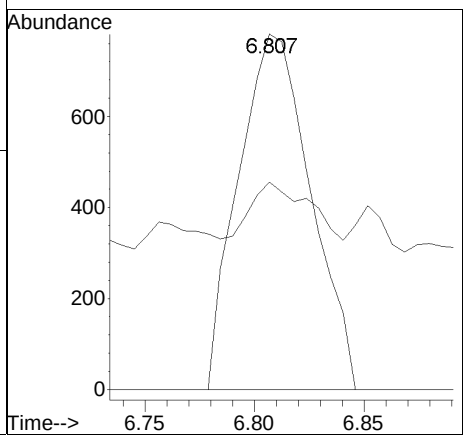


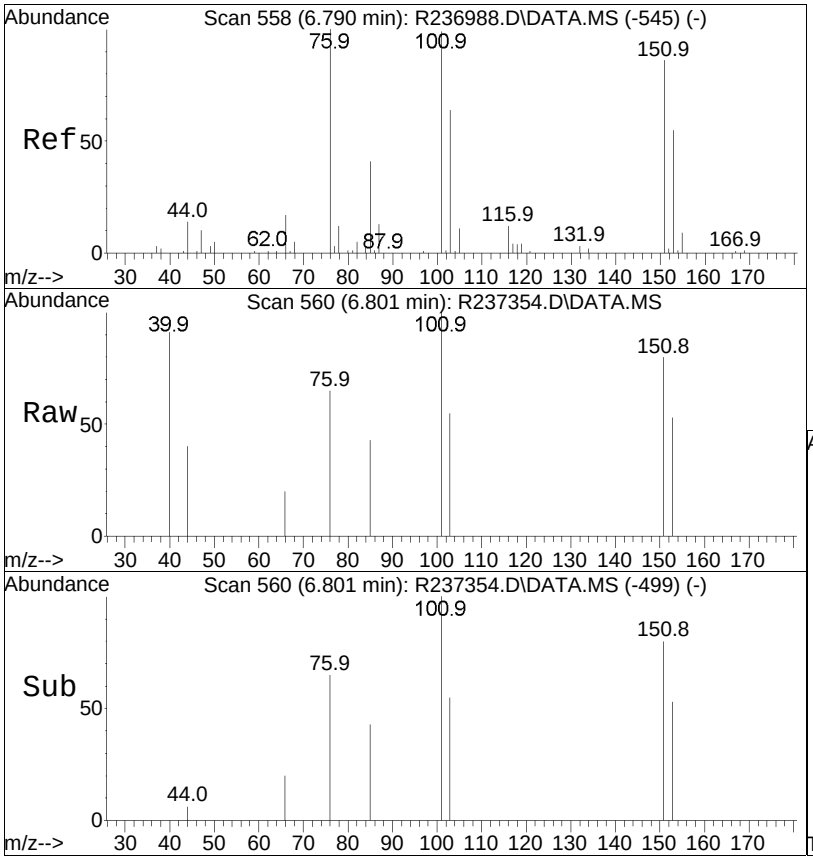


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 6.807 min Scan# 561
Delta R.T. 0.016 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 76 Resp: 1789

Ion	Ratio	Lower	Upper
76	100		
44	58.4	11.5	17.3#

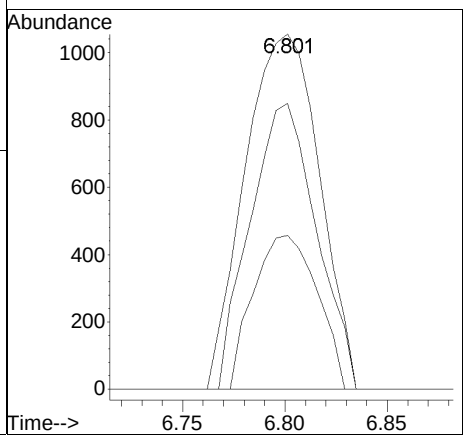


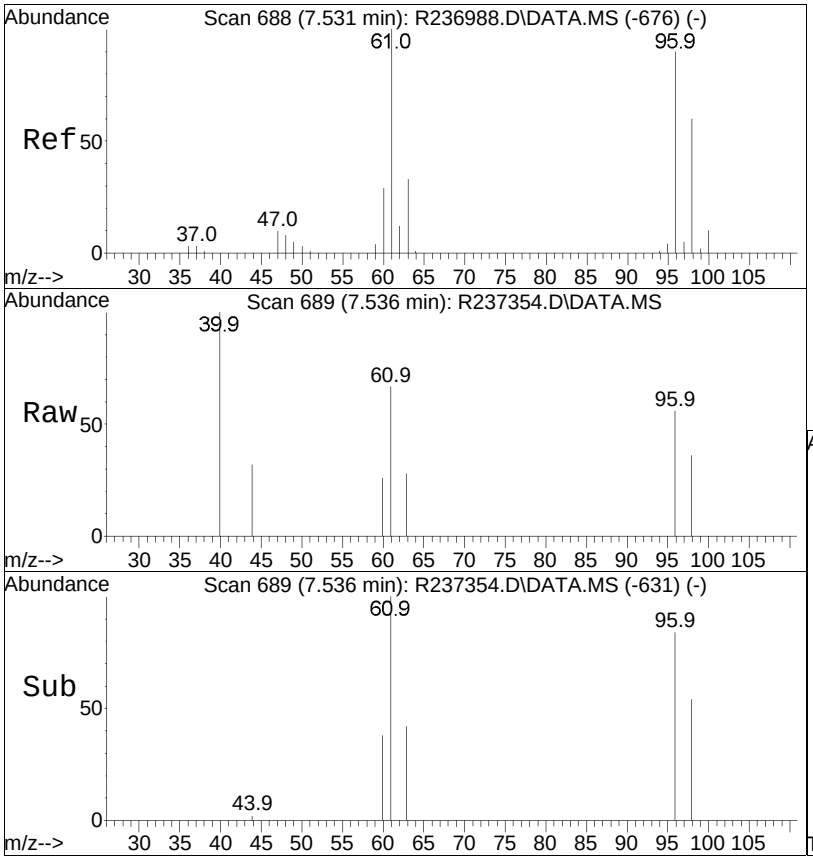


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.801 min Scan# 560
Delta R.T. 0.011 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:101 Resp: 2676

Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.0	49.6
151	80.5	69.8	104.8

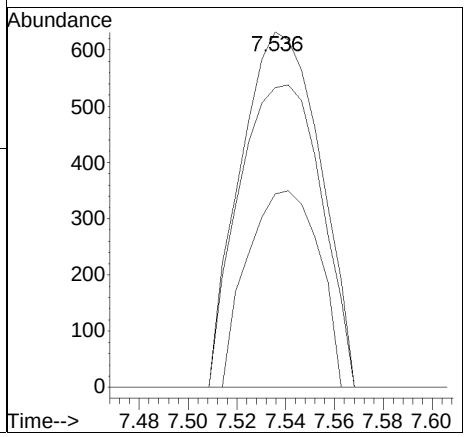


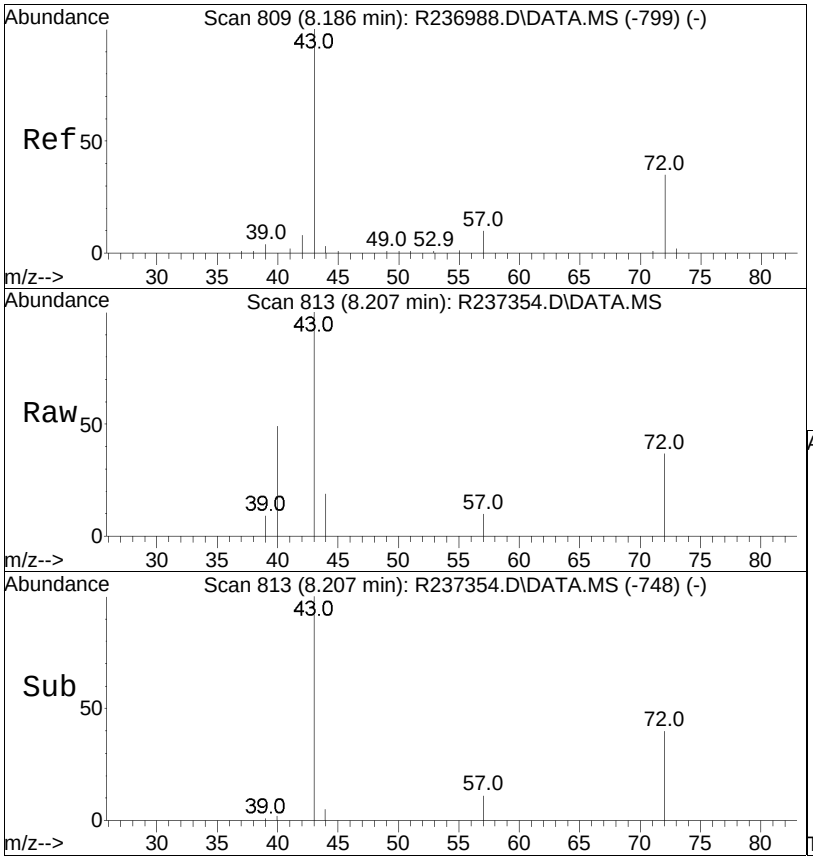


#32
trans-1,2-dichloroethene
Concen: 0.07 ppbV
RT: 7.536 min Scan# 689
Delta R.T. 0.005 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 61 Resp: 1432

Ion	Ratio	Lower	Upper
61	100		
96	84.3	72.4	108.6
98	54.4	47.7	71.5

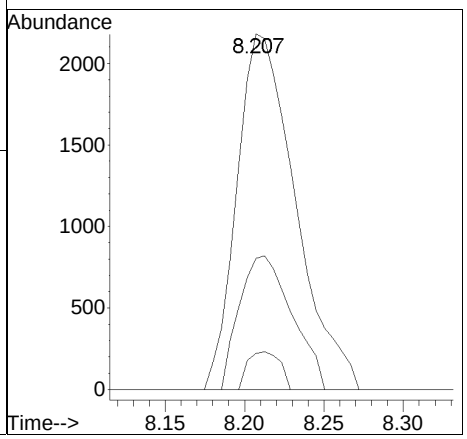


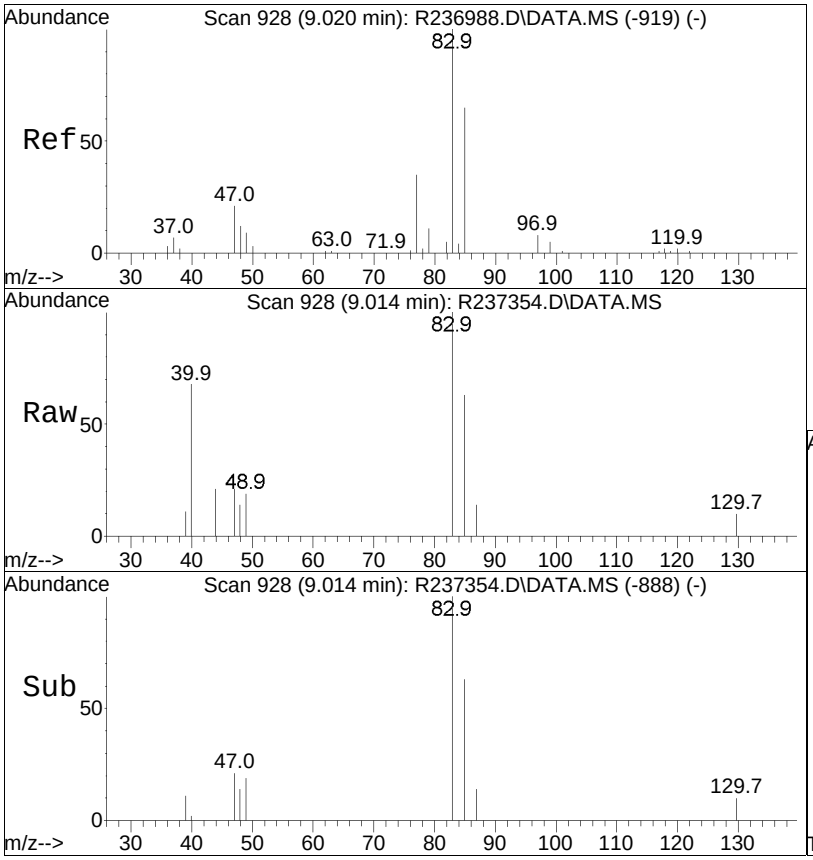


#36
2-butanone
Concen: 0.24 ppbV
RT: 8.207 min Scan# 813
Delta R.T. 0.021 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 43 Resp: 5604

Ion	Ratio	Lower	Upper
43	100		
72	36.9	27.8	41.6
57	10.1	7.7	11.5

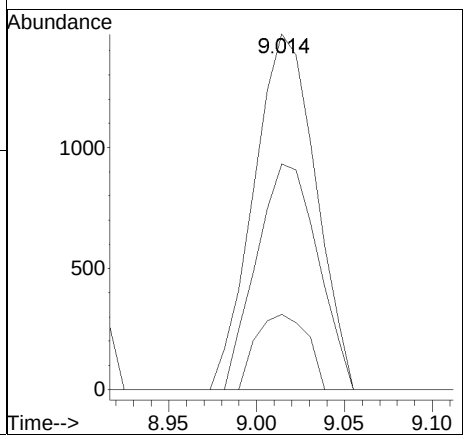


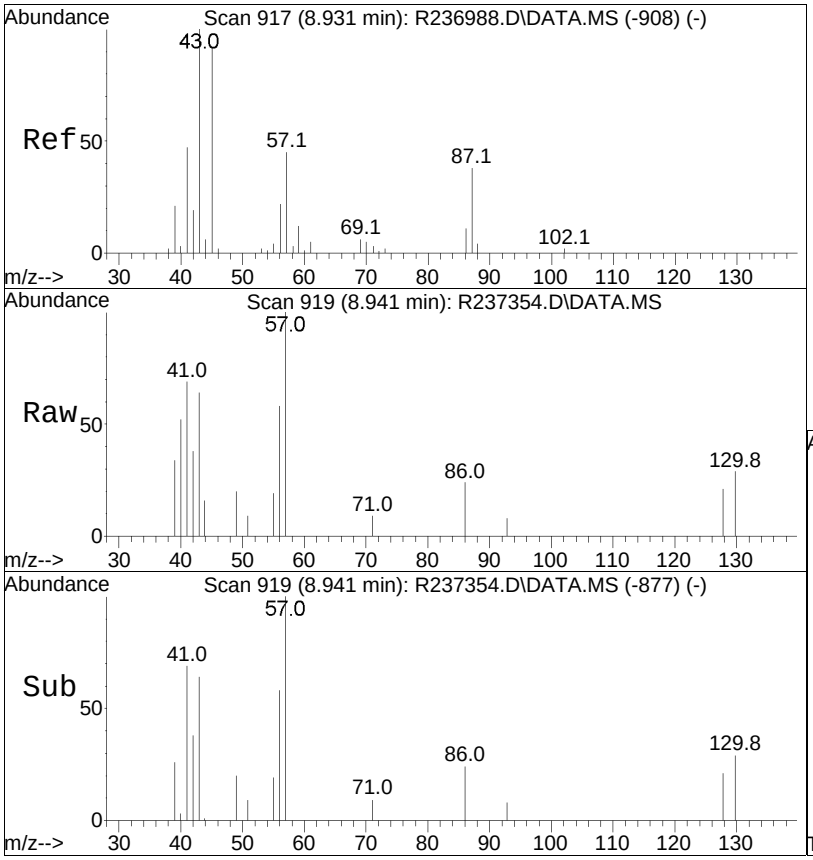


#39
chloroform
Concen: 0.09 ppbV
RT: 9.014 min Scan# 928
Delta R.T. -0.006 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 83 Resp: 3606

Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5
47	21.1	17.1	25.7

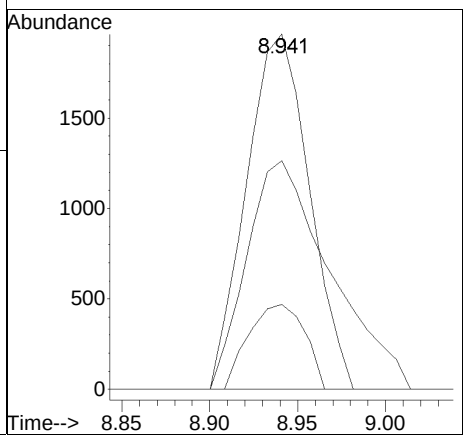


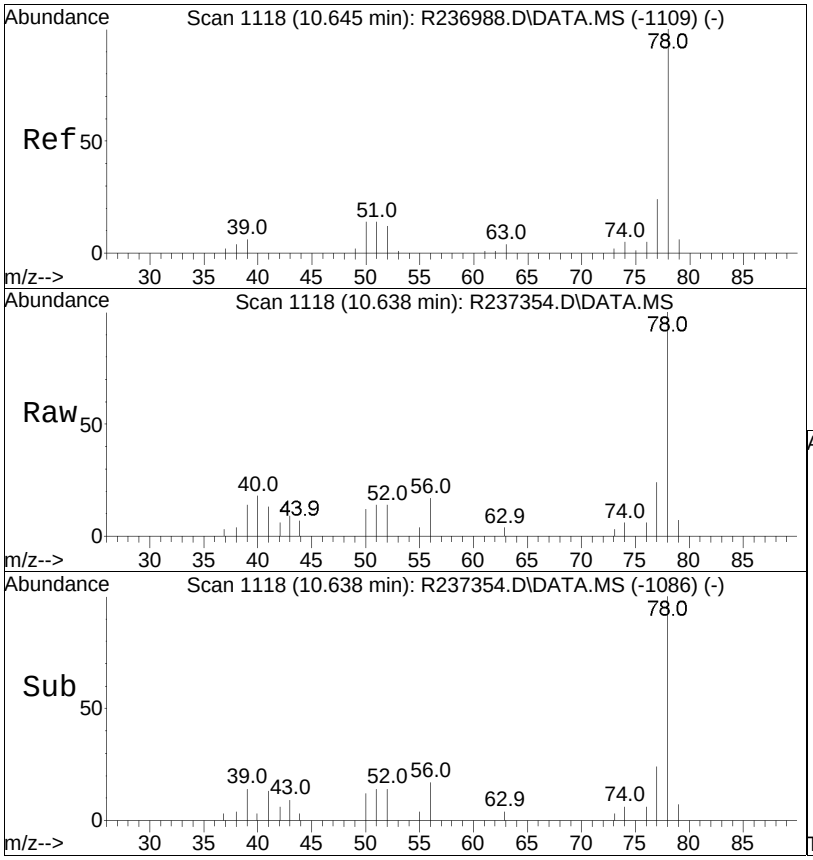


#44
hexane
Concen: 0.27 ppbV
RT: 8.941 min Scan# 919
Delta R.T. 0.010 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 57 Resp: 4887

Ion	Ratio	Lower	Upper
57	100		
43	64.4	177.1	265.7#
86	23.9	18.6	28.0

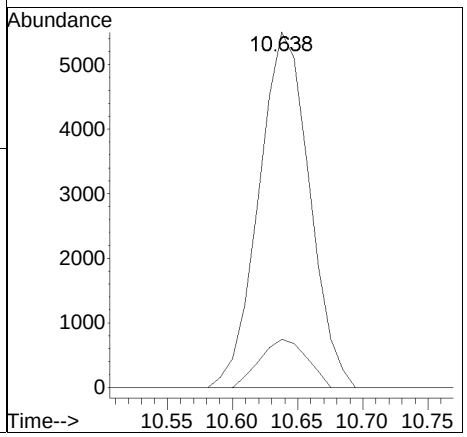


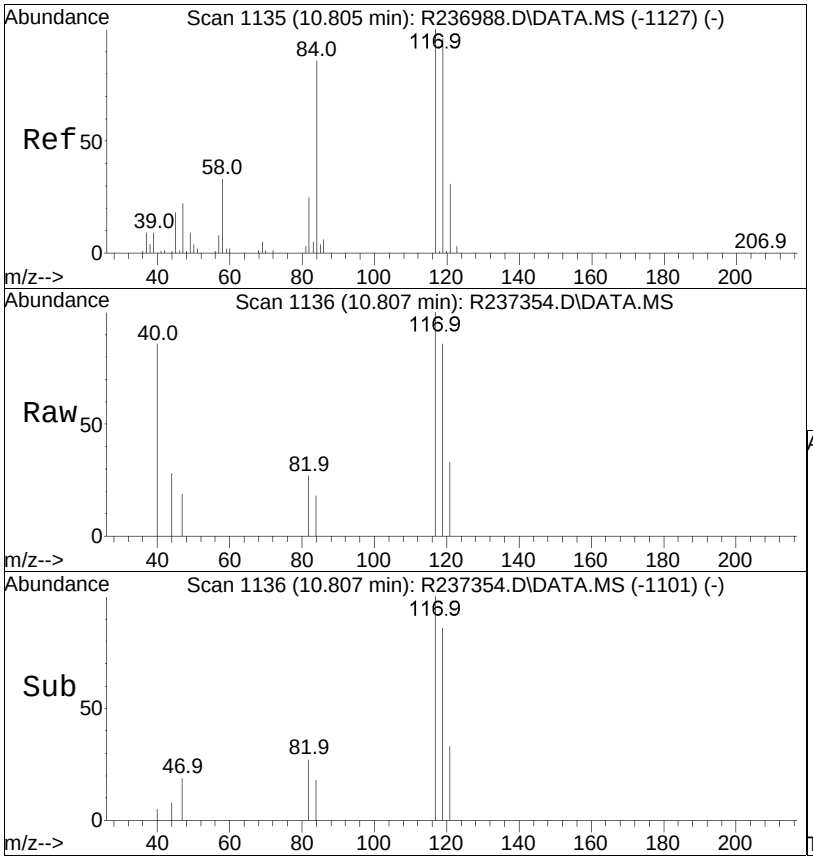


#50
benzene
Concen: 0.30 ppbV
RT: 10.638 min Scan# 1118
Delta R.T. -0.007 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 78 Resp: 14842

Ion	Ratio	Lower	Upper
78	100		
52	13.6	9.9	14.9

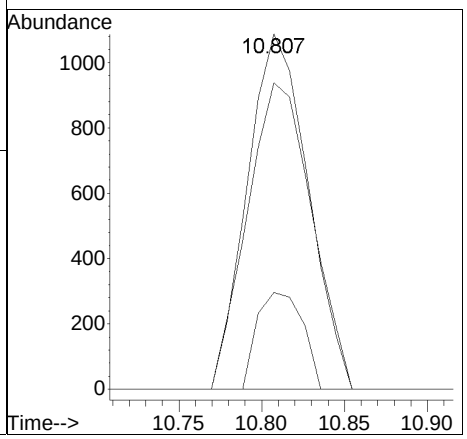


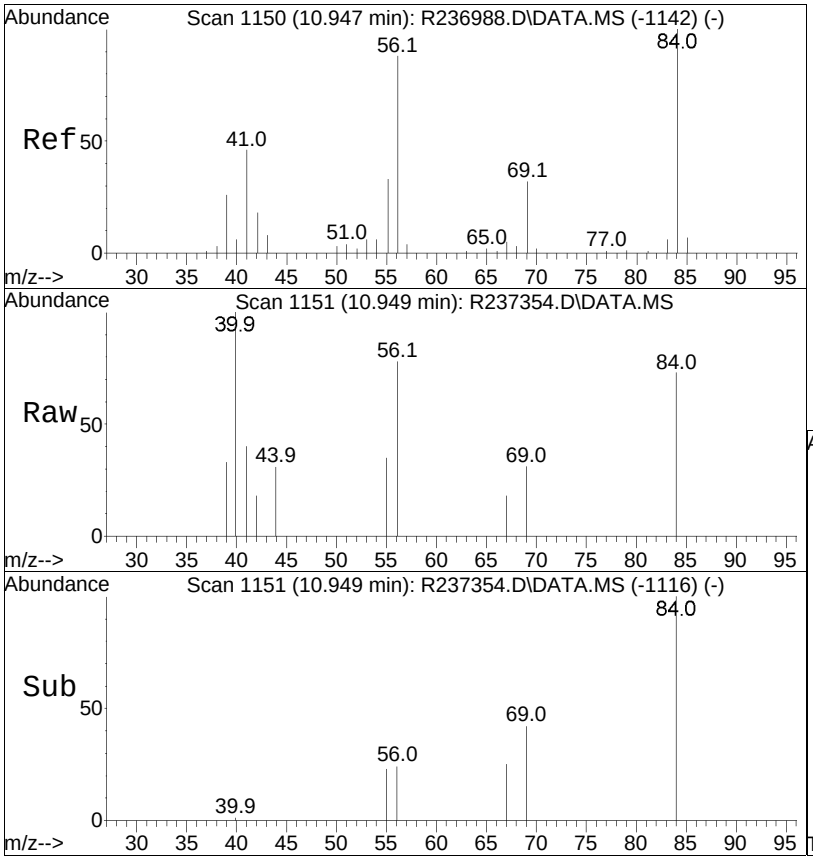


#52
carbon tetrachloride
Concen: 0.06 ppbV
RT: 10.807 min Scan# 1136
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:117 Resp: 2773

Ion	Ratio	Lower	Upper
117	100		
119	86.3	76.9	115.3
82	27.2	20.0	30.0

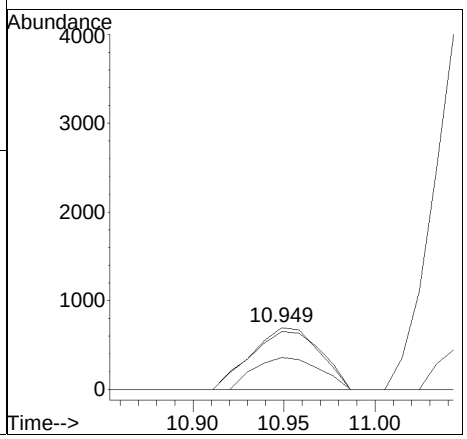


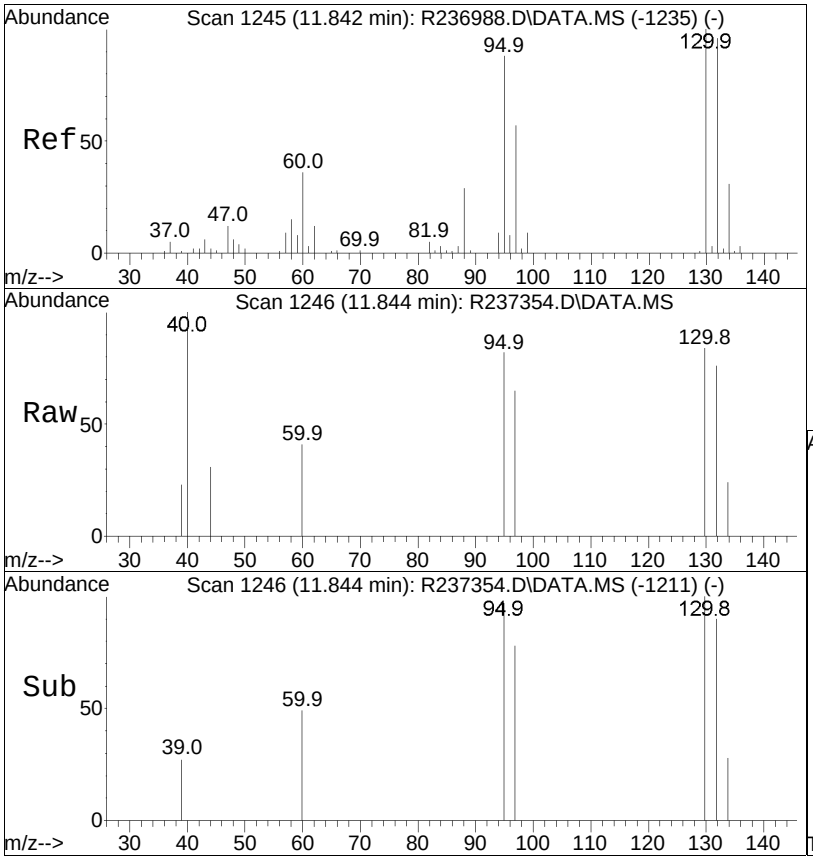


#53
cyclohexane
Concen: 0.10 ppbV
RT: 10.949 min Scan# 1151
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 56 Resp: 1789

Ion	Ratio	Lower	Upper
56	100		
84	94.0	91.1	136.7
41	51.8	42.2	63.2

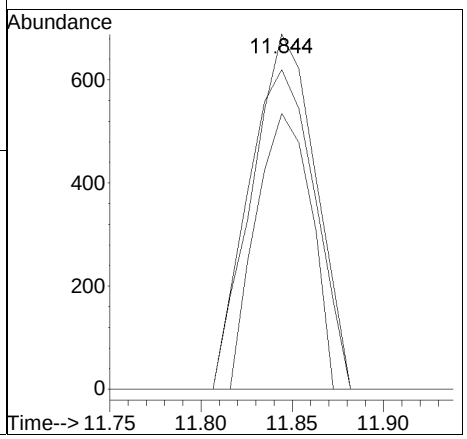


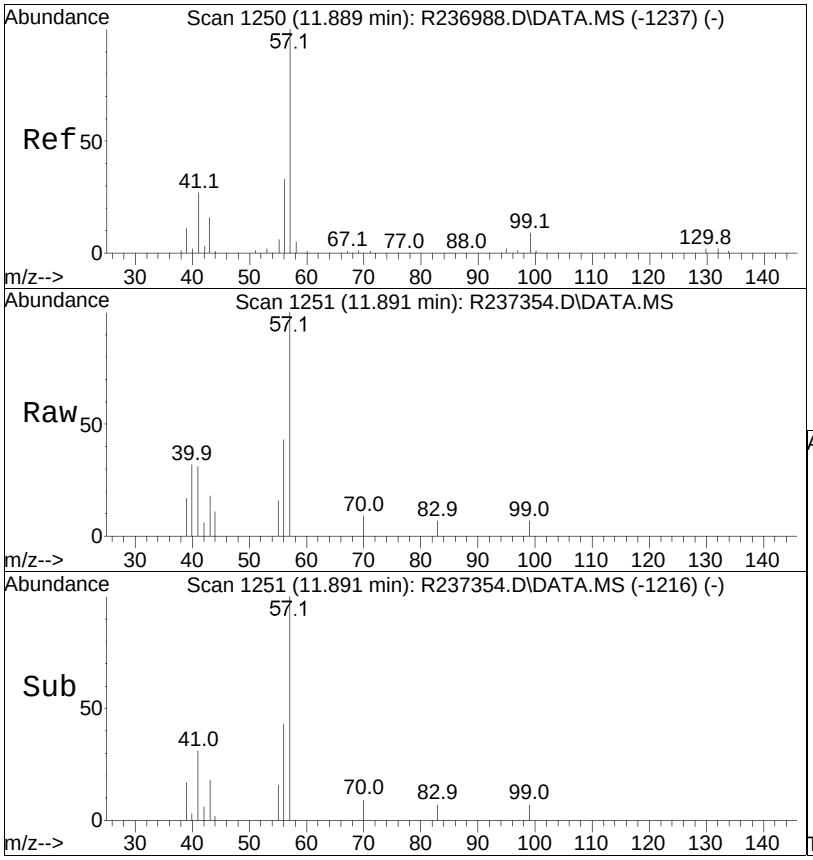


#59
trichloroethene
Concen: 0.06 ppbV
RT: 11.844 min Scan# 1246
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:130 Resp: 1681

Ion	Ratio	Lower	Upper
130	100		
132	90.0	76.7	115.1
97	77.6	45.7	68.5#

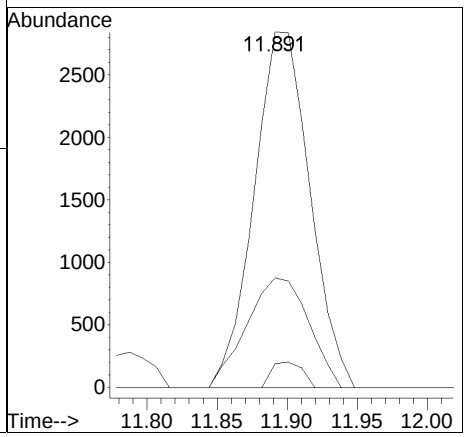


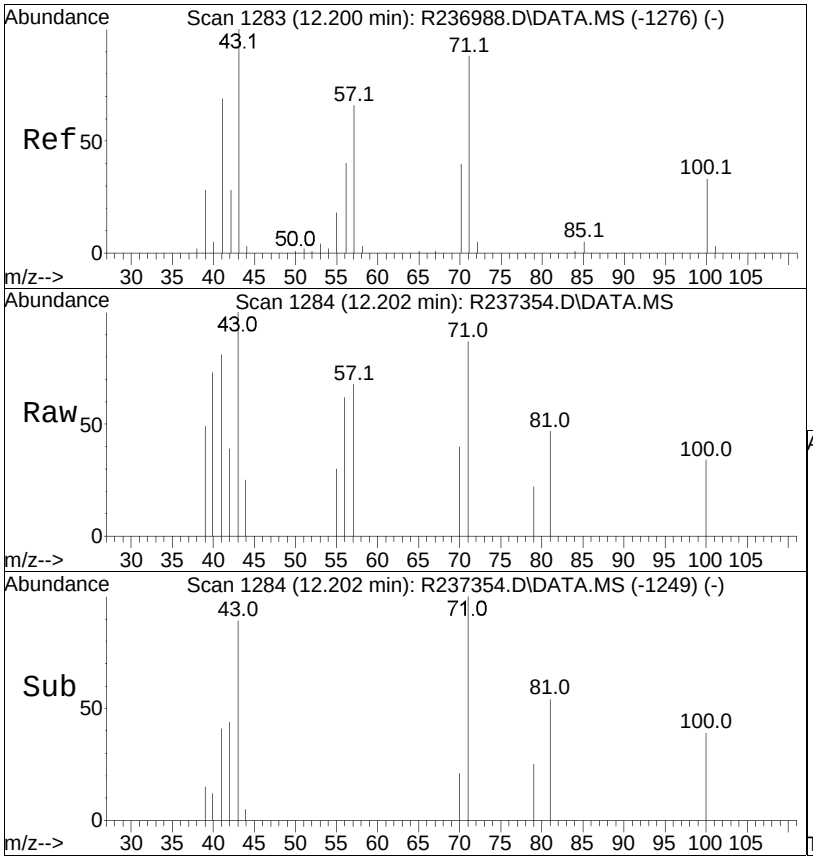


#60
2,2,4-trimethylpentane
Concen: 0.14 ppbV
RT: 11.891 min Scan# 1251
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 57 Resp: 7869

Ion	Ratio	Lower	Upper
57	100		
99	6.7	6.8	10.2#
41	30.8	21.8	32.8

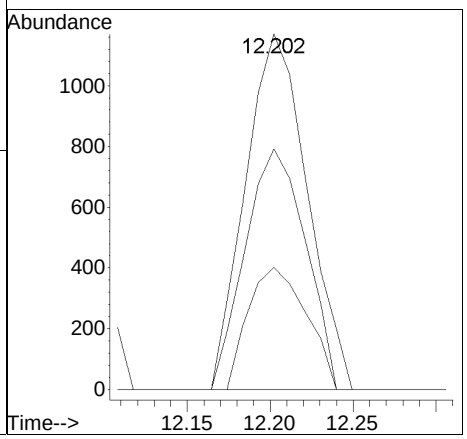


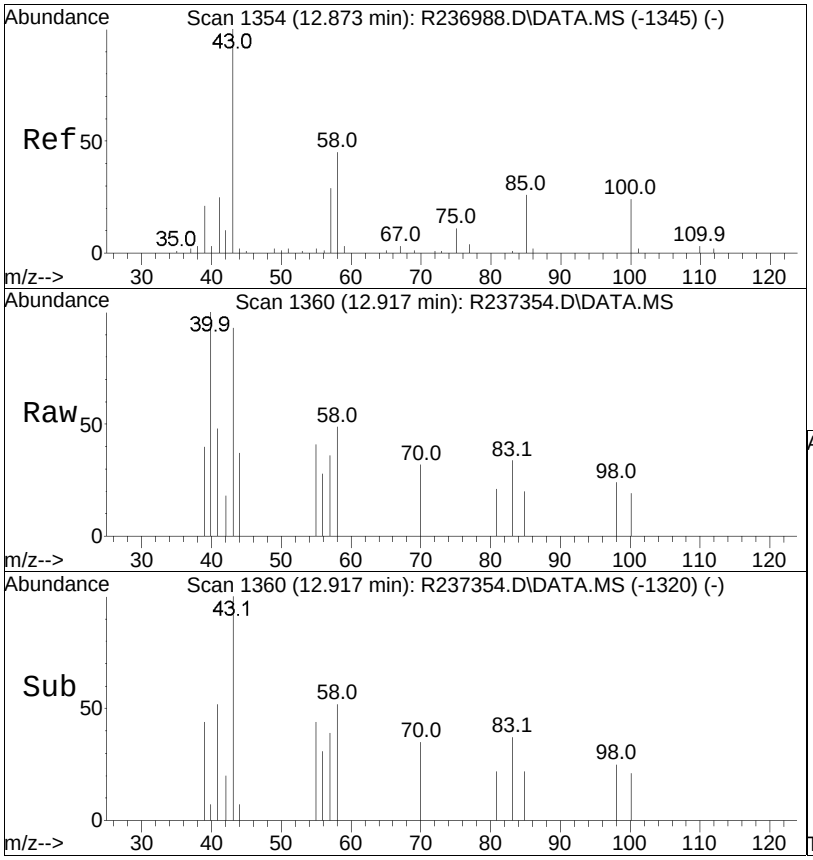


#62
heptane
Concen: 0.18 ppbV
RT: 12.202 min Scan# 1284
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 43 Resp: 3039

Ion	Ratio	Lower	Upper
43	100		
57	67.7	52.8	79.2
100	34.3	26.8	40.2

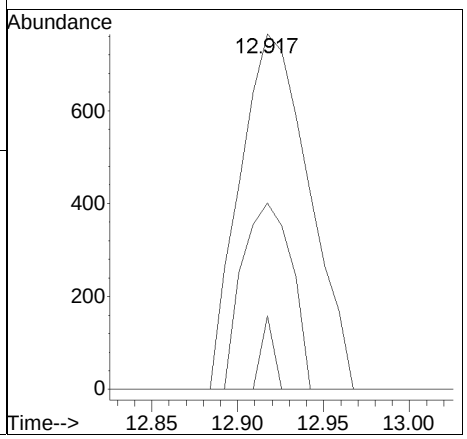


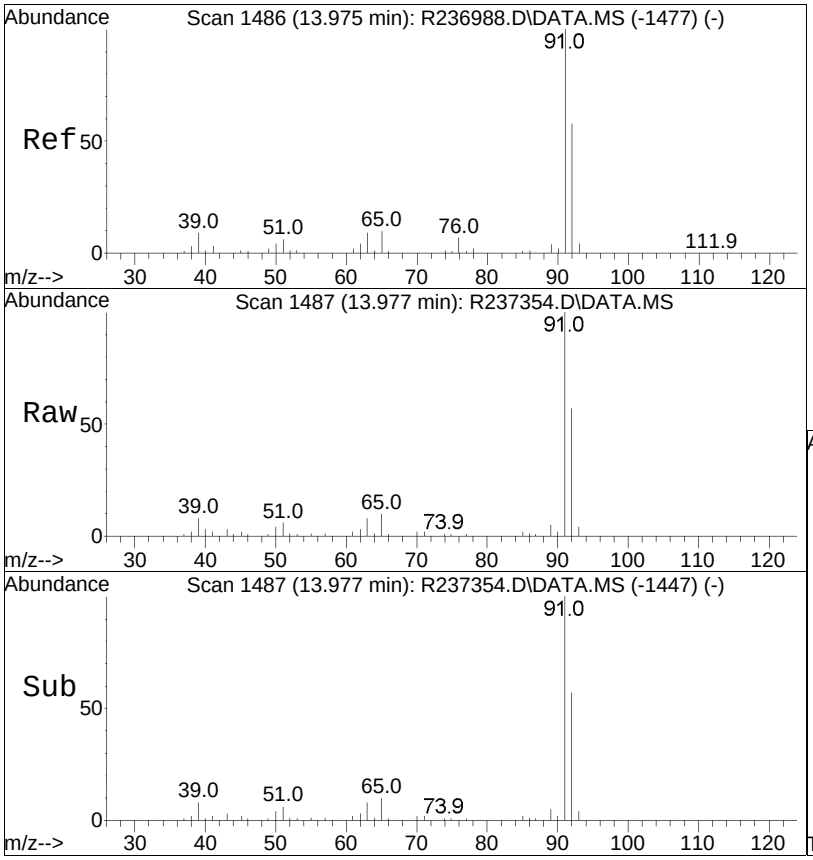


#64
4-methyl-2-pentanone
Concen: 0.09 ppbV
RT: 12.917 min Scan# 1360
Delta R.T. 0.044 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 43 Resp: 2139

Ion	Ratio	Lower	Upper
43	100		
58	52.4	35.7	53.5
100	20.7	19.0	28.6

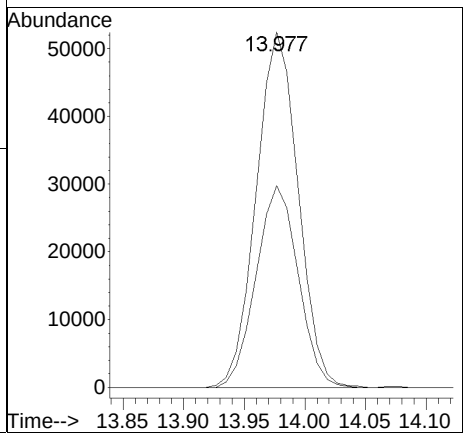


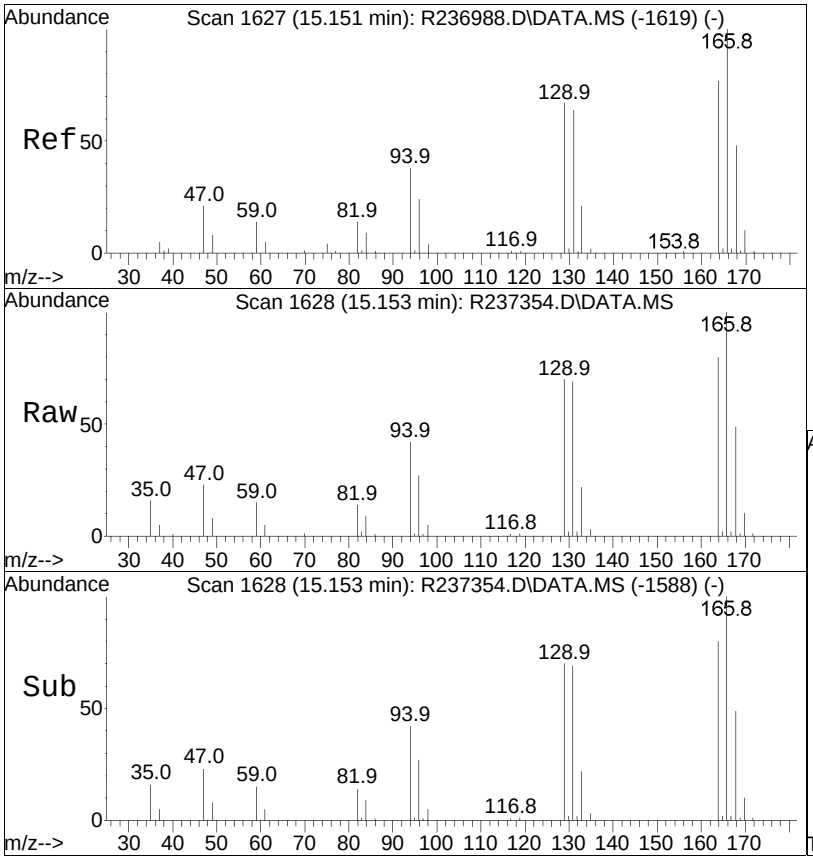


#68
toluene
Concen: 1.97 ppbV
RT: 13.977 min Scan# 1487
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 91 Resp: 125852

Ion	Ratio	Lower	Upper
91	100		
92	56.8	46.6	70.0

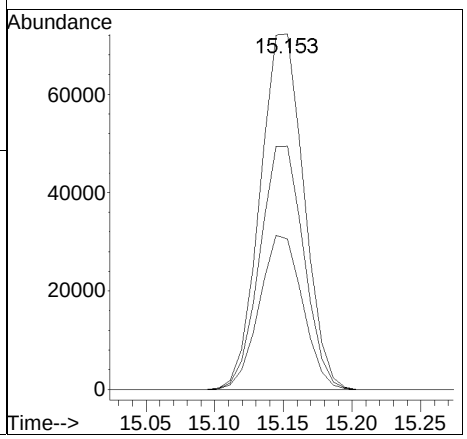


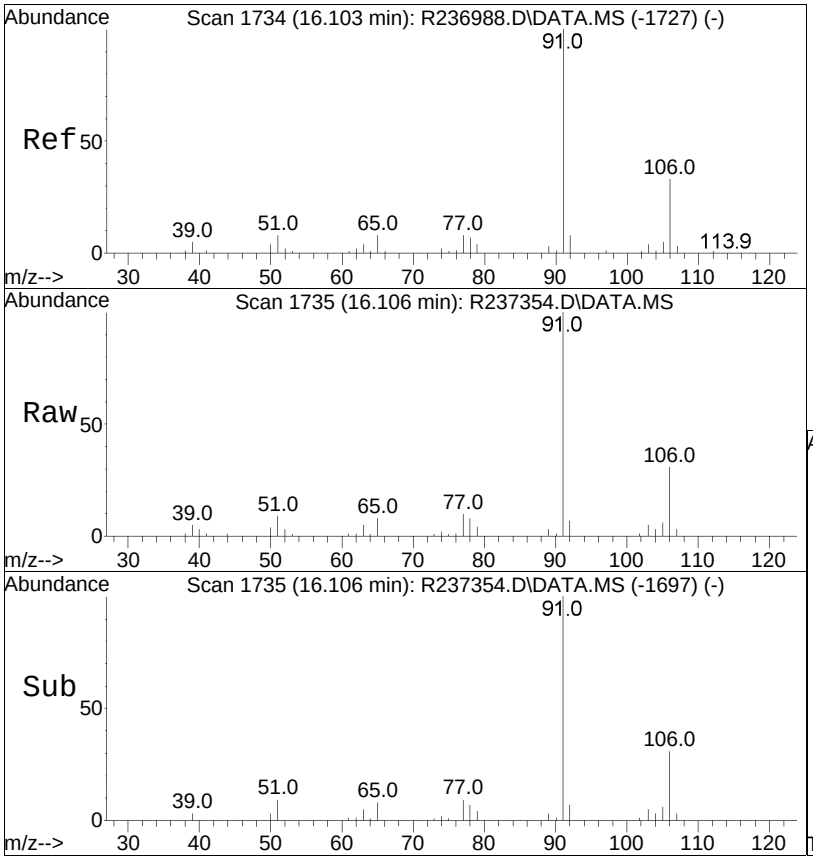


#78
tetrachloroethene
Concen: 4.00 ppbV
RT: 15.153 min Scan# 1628
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:166 Resp: 160345

Ion	Ratio	Lower	Upper
166	100		
131	68.5	51.4	77.0
94	42.3	30.2	45.2

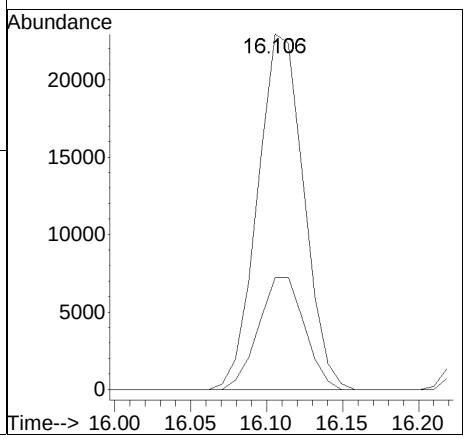


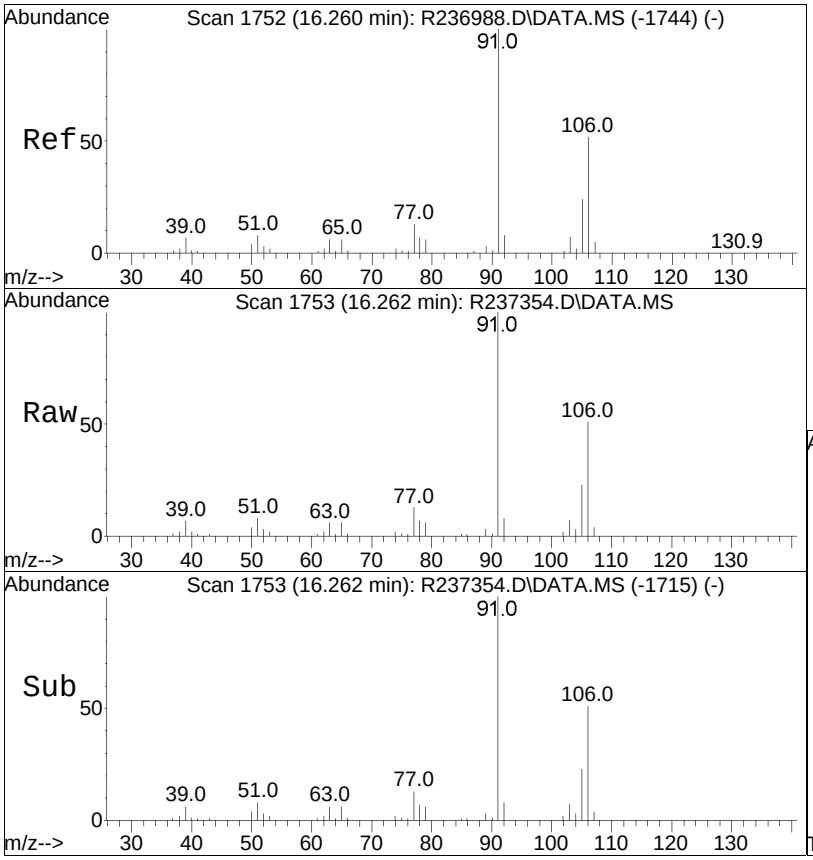


#81
ethylbenzene
Concen: 0.59 ppbV
RT: 16.106 min Scan# 1735
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 91 Resp: 48354

Ion	Ratio	Lower	Upper
91	100		
106	31.4	26.6	40.0

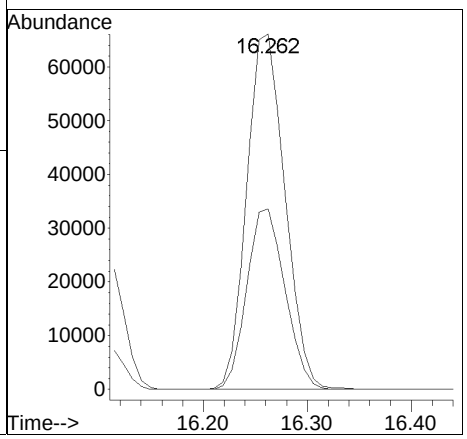


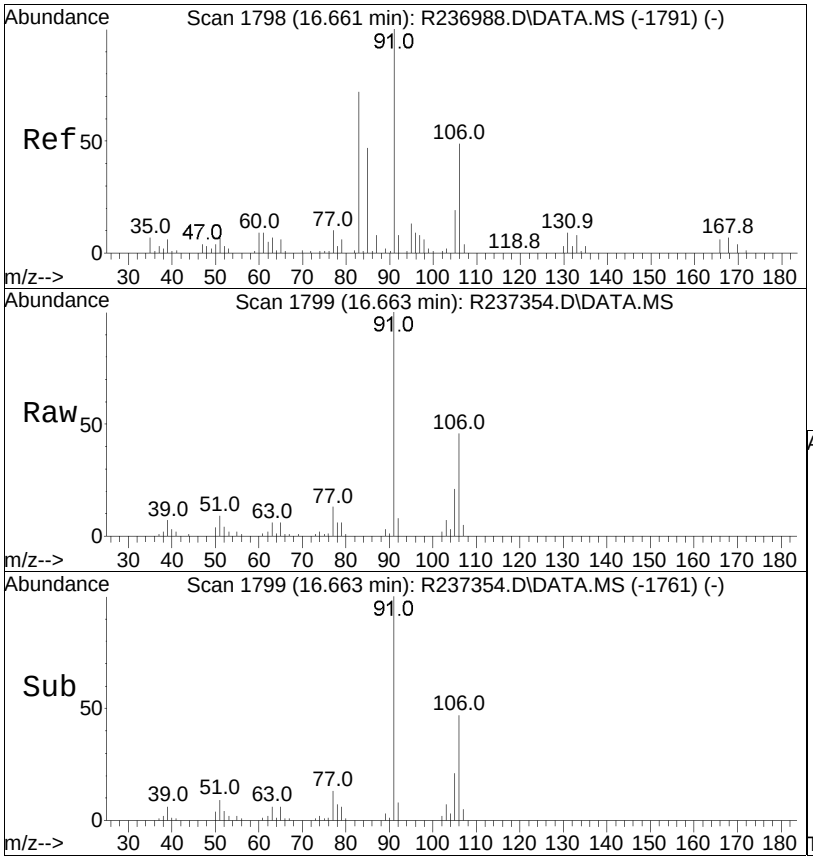


#83
m+p-xylene
Concen: 2.73 ppbV
RT: 16.262 min Scan# 1753
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 91 Resp: 169213

Ion	Ratio	Lower	Upper
91	100		
106	50.8	41.7	62.5

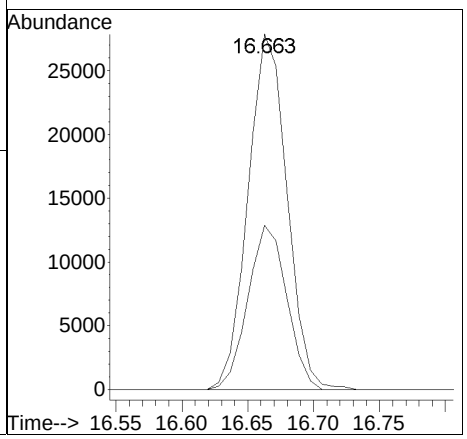


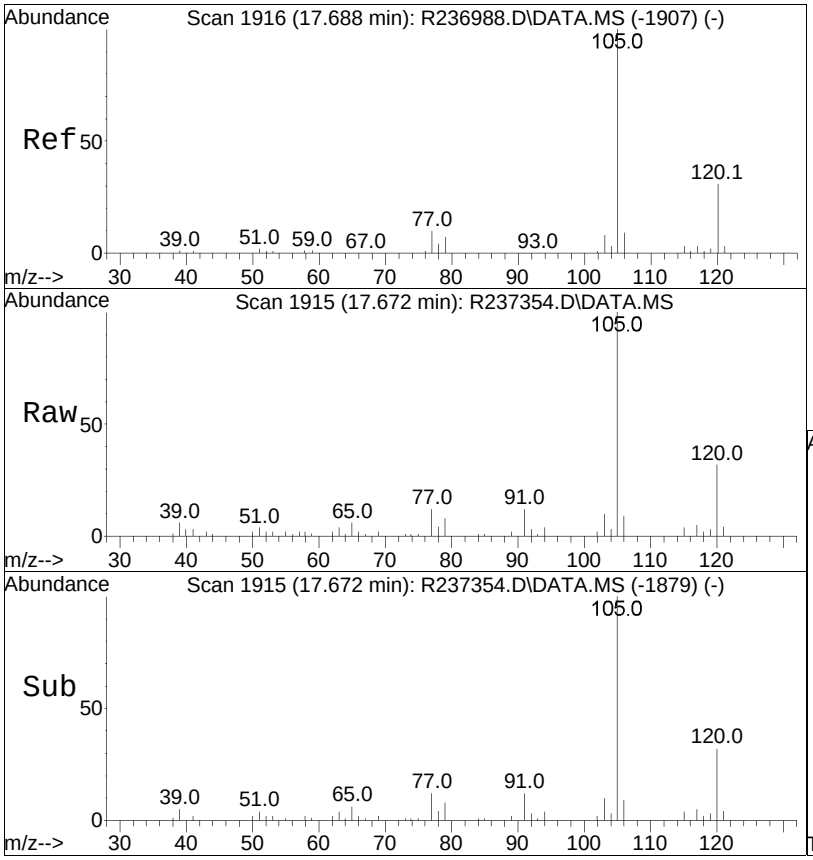


#87
o-xylene
Concen: 0.91 ppbV
RT: 16.663 min Scan# 1799
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion: 91 Resp: 57226

Ion	Ratio	Lower	Upper
91	100		
106	46.2	39.6	59.4

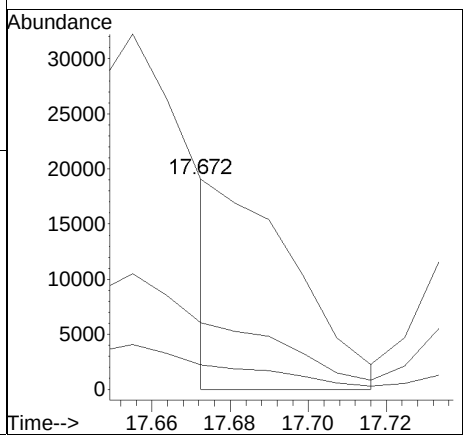


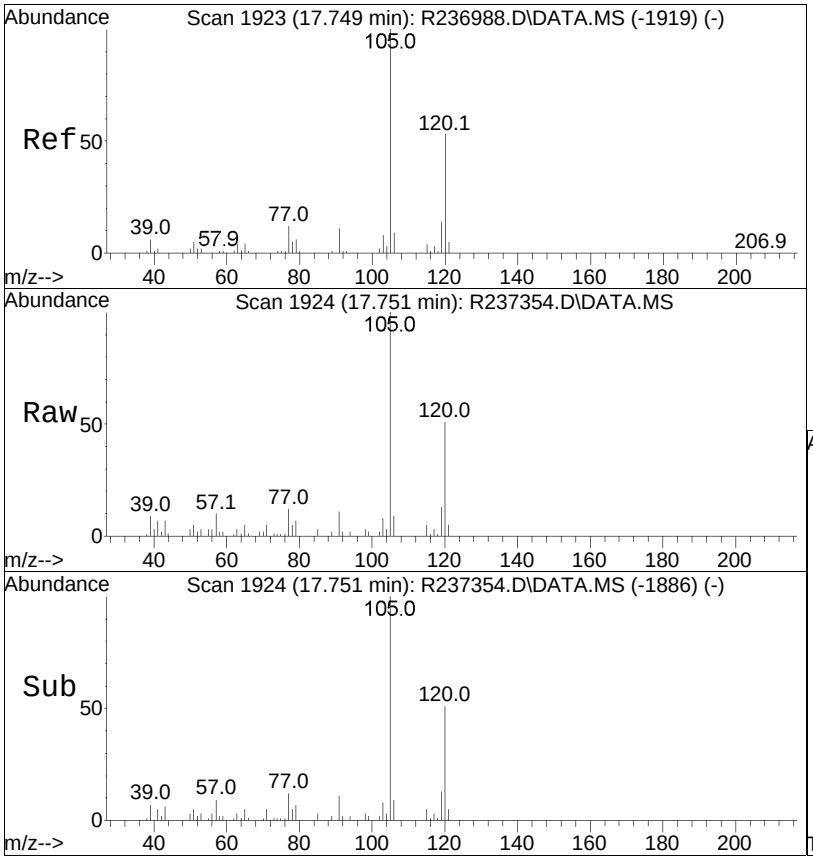


#96
4-ethyl toluene
Concen: 0.31 ppbV m
RT: 17.672 min Scan# 1915
Delta R.T. -0.015 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:105 Resp: 25955

Ion	Ratio	Lower	Upper
105	100		
120	31.8	25.1	37.7
91	11.7	8.8	13.2

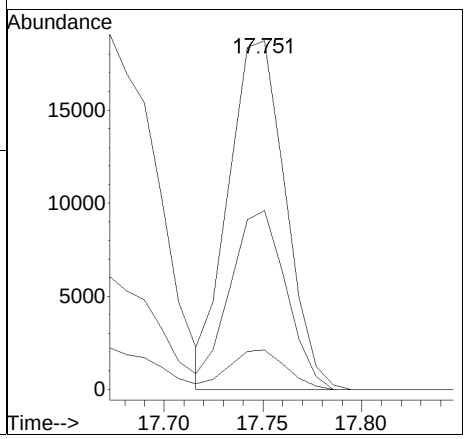


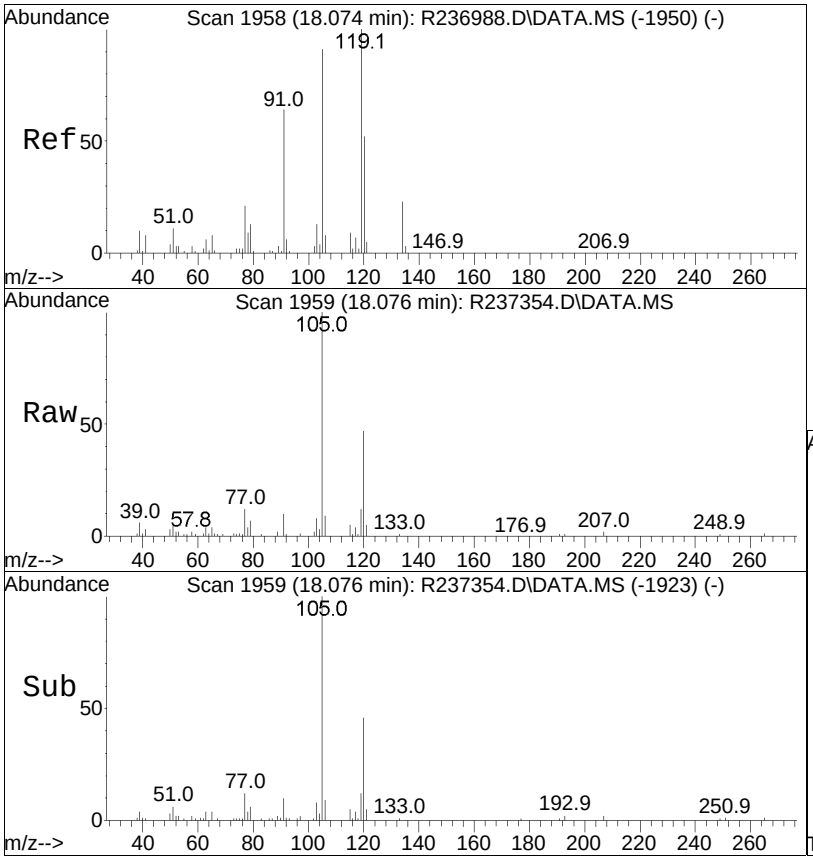


#97
1,3,5-trimethylbenzene
Concen: 0.54 ppbV
RT: 17.751 min Scan# 1924
Delta R.T. 0.002 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:105 Resp: 37593

Ion	Ratio	Lower	Upper
105	100		
120	51.3	40.7	61.1
91	11.3	8.5	12.7

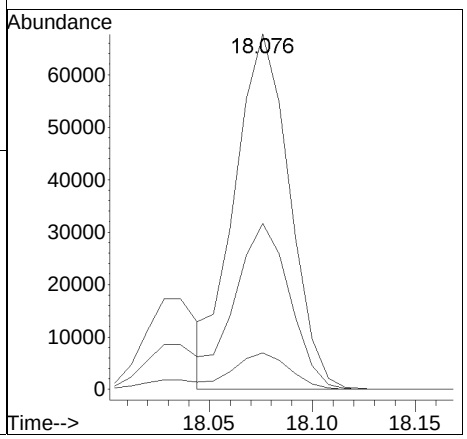


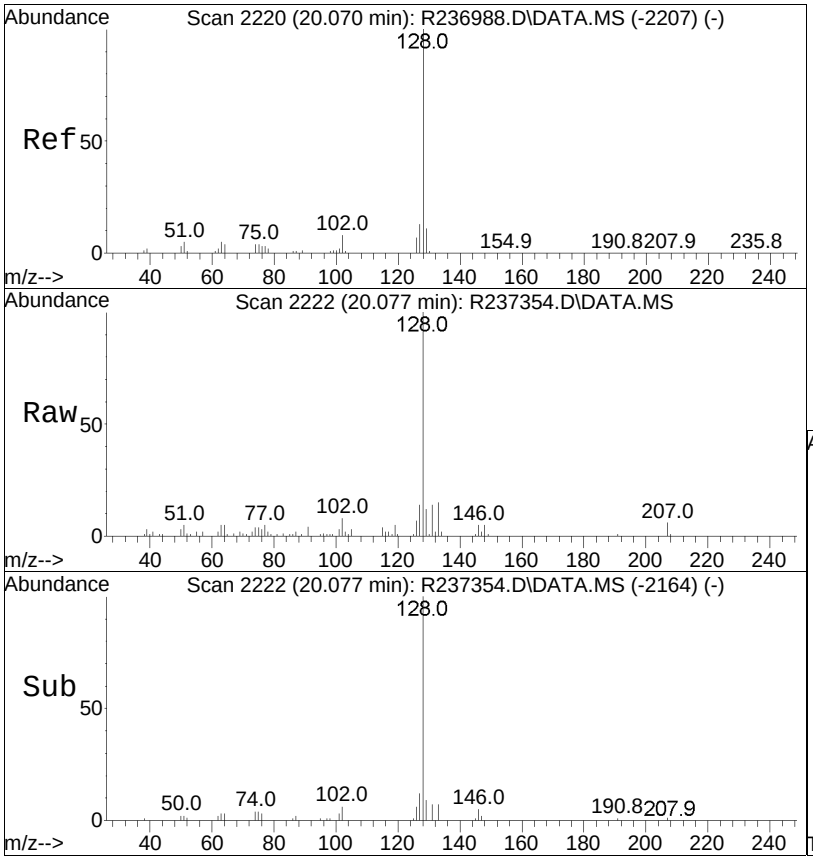


#99
1,2,4-trimethylbenzene
Concen: 1.70 ppbV m
RT: 18.076 min Scan# 1959
Delta R.T. 0.001 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:105 Resp: 126331

Ion	Ratio	Lower	Upper
105	100		
120	46.7	45.9	68.9
91	10.3	56.2	84.2#

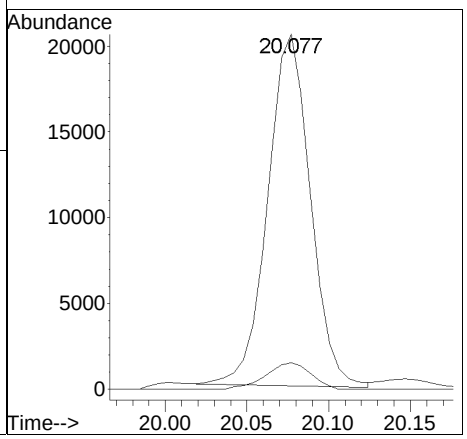




#116
naphthalene
Concen: 0.37 ppbV
RT: 20.077 min Scan# 2222
Delta R.T. 0.007 min
Lab File: R237354.D
Acq: 19 Dec 2025 04:57 am

Tgt Ion:128 Resp: 37204

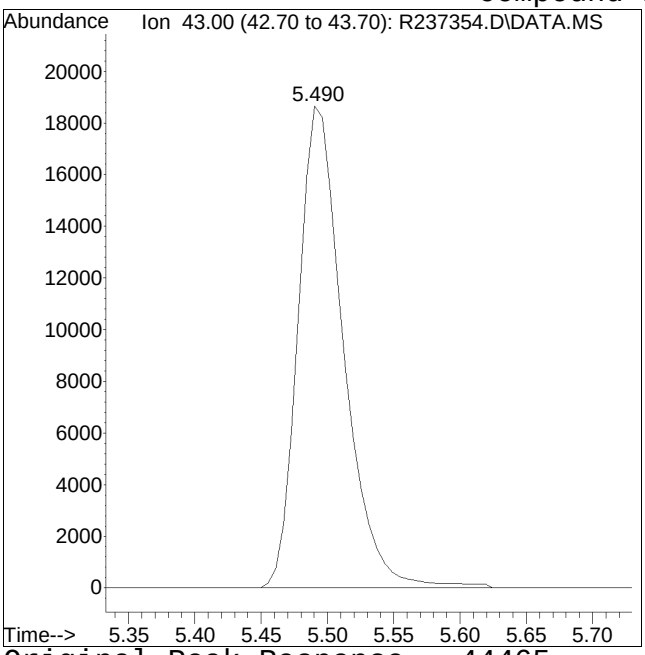
Ion	Ratio	Lower	Upper
128	100		
102	7.5	6.4	9.6



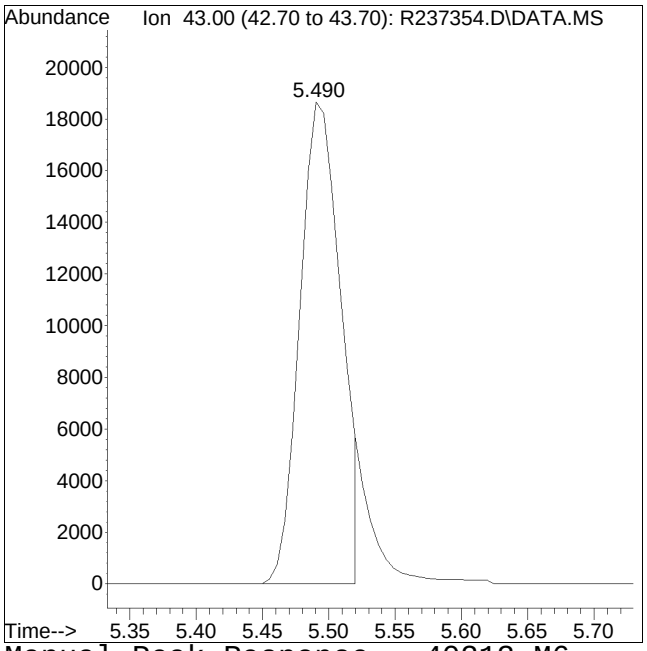
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237354.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 4:57 am Instrument : Airlab23
Sample : L2577500-24,3,250,250 Quant Date : 12/19/2025 7:21 am

Compound #19: acetone



Original Peak Response = 44465



Manual Peak Response = 40213 M6

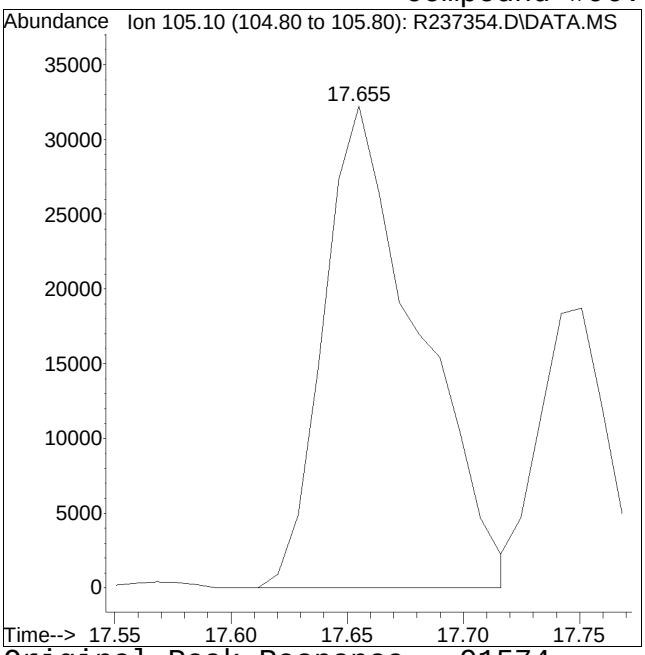
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

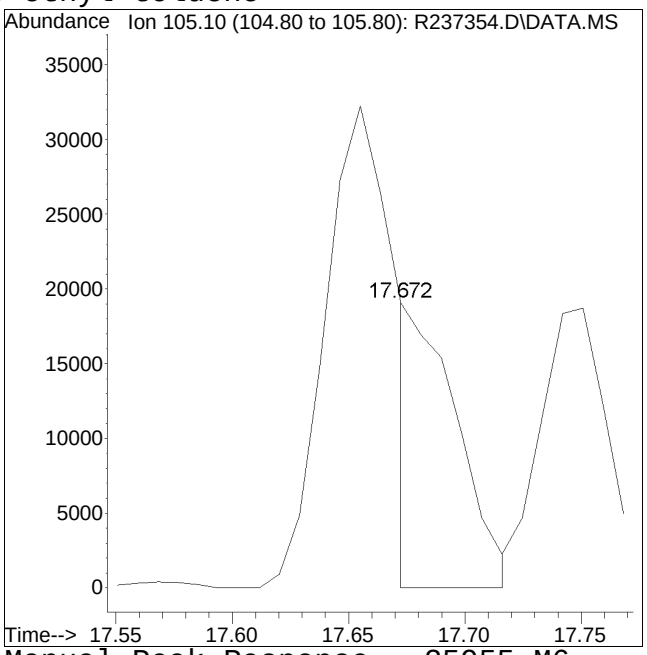
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237354.D
Date Inj'd : 12/19/2025 4:57 am
Sample : L2577500-24,3,250,250

Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:21 am

Compound #96: 4-ethyl toluene



Original Peak Response = 91574



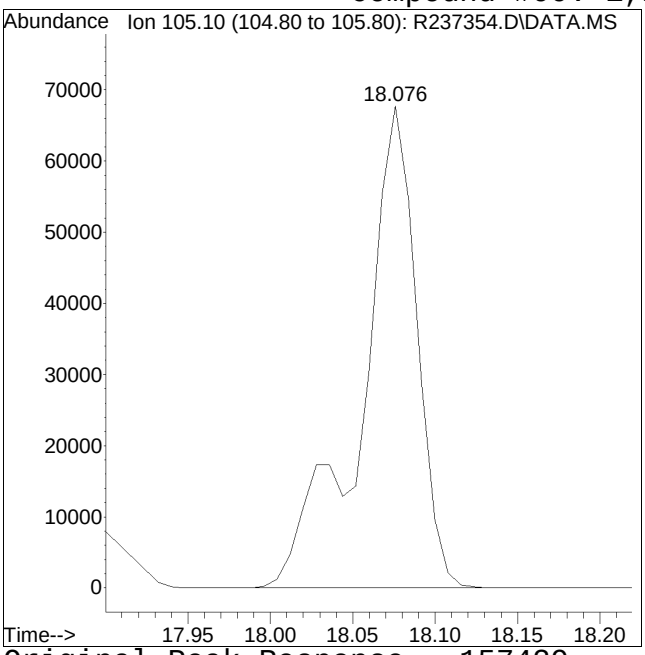
Manual Peak Response = 25955 M6

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

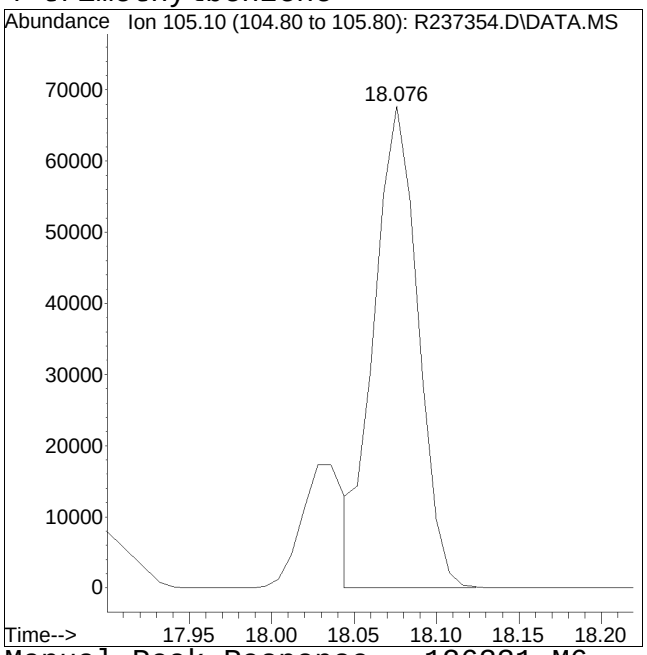
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237354.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 4:57 am Instrument : Airlab23
Sample : L2577500-24,3,250,250 Quant Date : 12/19/2025 7:21 am

Compound #99: 1,2,4-trimethylbenzene



Original Peak Response = 157429



Manual Peak Response = 126331 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237355.D
Acq On : 19 Dec 2025 07:45 am
Operator : AIRLAB23:TPH
Sample : L2577500-22D,3,19.80,250
Misc : WG2155905,ICAL22840
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 08:14:20 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.868	49	178670	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		86.73%	
43) 1,4-difluorobenzene	11.053	114	648566	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		78.67%	
67) chlorobenzene-D5	15.731	54	95451	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		92.87%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.869	85	2854364	59.083	ppbV	100
6) chloromethane	0.000		0	N.D.	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	4.987	31	47176	6.848	ppbV #	82
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.502	43	23397M6	1.341	ppbV	
21) trichlorofluoromethane	5.678	101	1663	0.032	ppbV	95
22) isopropyl alcohol	5.777	45	9265	0.504	ppbV	98
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.438	59	9336	0.405	ppbV #	86
28) methylene chloride	6.505		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	8.229	43	1867	0.084	ppbV #	92
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	0.000		0	N.D.		
39) chloroform	9.014	83	1342	0.033	ppbV #	89
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.838	62	10430	0.436	ppbV #	96
44) hexane	8.933		0	N.D.		

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237355.D
Acq On : 19 Dec 2025 07:45 am
Operator : AIRLAB23:TPH
Sample : L2577500-22D,3,19.80,250
Misc : WG2155905,ICAL22840
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 08:14:20 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.		
50)	benzene	10.638		0	N.D.		
52)	carbon tetrachloride	0.000		0	N.D.		
53)	cyclohexane	0.000		0	N.D. d		
56)	1,2-dichloropropane	0.000		0	N.D.		
57)	bromodichloromethane	0.000		0	N.D.		
58)	1,4-dioxane	0.000		0	N.D.		
59)	trichloroethene	0.000		0	N.D.		
60)	2,2,4-trimethylpentane	11.901		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. d		
65)	trans-1,3-dichloropropene	0.000		0	N.D.		
66)	1,1,2-trichloroethane	0.000		0	N.D.		
68)	toluene	13.977	91	6269	0.095	ppbV	95
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	15.153	166	21571	0.520	ppbV	92
80)	chlorobenzene	0.000		0	N.D.		
81)	ethylbenzene	16.114		0	N.D.		
83)	m+p-xylene	16.262	91	7187	0.112	ppbV	94
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	16.663	91	2710	0.042	ppbV	98
96)	4-ethyl toluene	17.681		0	N.D.		
97)	1,3,5-trimethylbenzene	17.751		0	N.D.		
99)	1,2,4-trimethylbenzene	18.084	105	9772	0.127	ppbV #	55
101)	Benzyl Chloride	18.084		0	N.D.		
102)	1,3-dichlorobenzene	0.000		0	N.D.		
103)	1,4-dichlorobenzene	0.000		0	N.D.		
107)	1,2-dichlorobenzene	0.000		0	N.D.		
115)	1,2,4-trichlorobenzene	0.000		0	N.D.		
116)	naphthalene	20.089		0	N.D.		
119)	hexachlorobutadiene	0.000		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237355.D
Acq On : 19 Dec 2025 07:45 am
Operator : AIRLAB23:TPH
Sample : L2577500-22D,3,19.80,250
Misc : WG2155905,ICAL22840
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 08:14:20 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

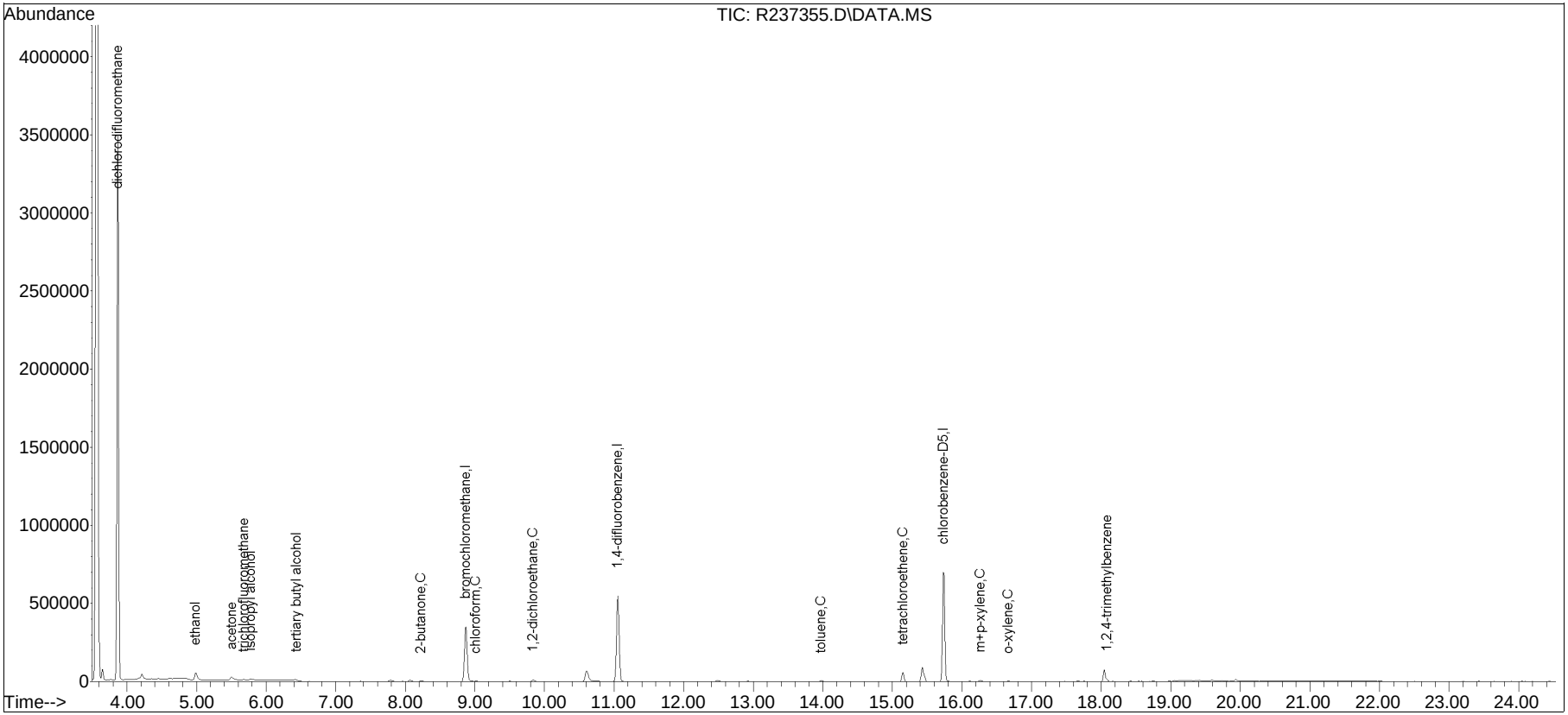
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : TO15-NY+Naphthalene - .

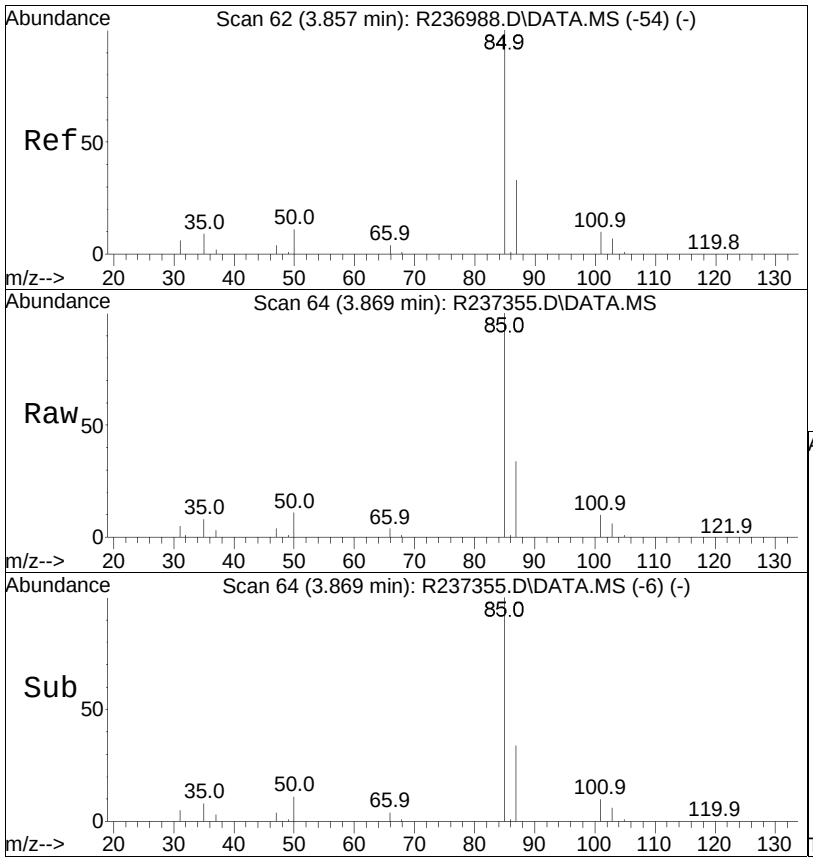
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237355.D
Acq On : 19 Dec 2025 07:45 am
Operator : AIRLAB23:TPH
Sample : L2577500-22D,3,19.80,250
Misc : WG2155905,ICAL22840
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 19 08:14:20 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

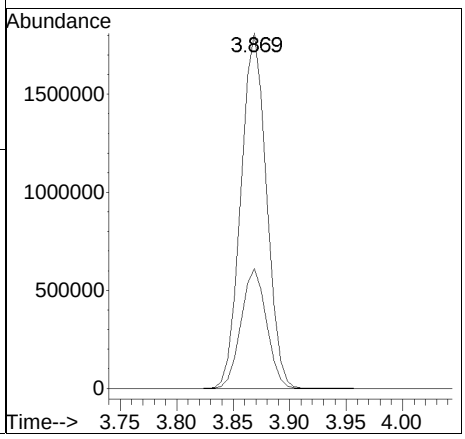


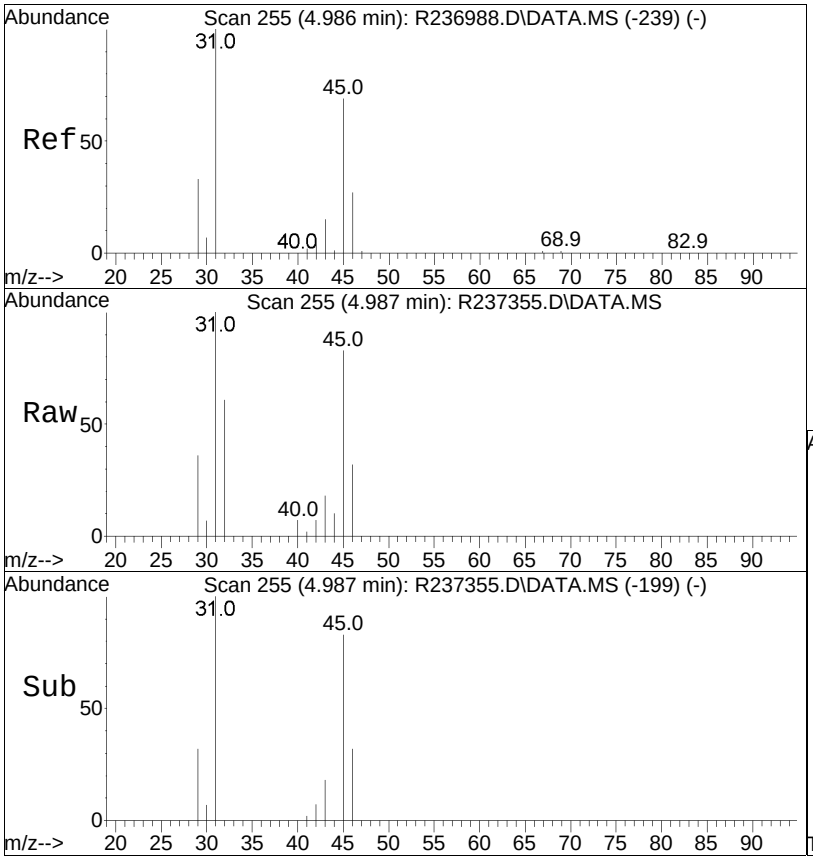


#5
dichlorodifluoromethane
Concen: 59.08 ppbV
RT: 3.869 min Scan# 64
Delta R.T. 0.012 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 85 Resp: 2854364

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.8	40.2

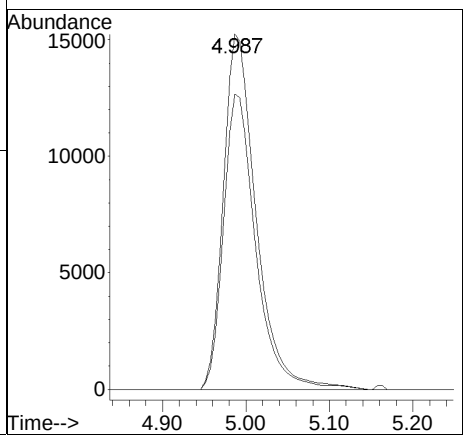


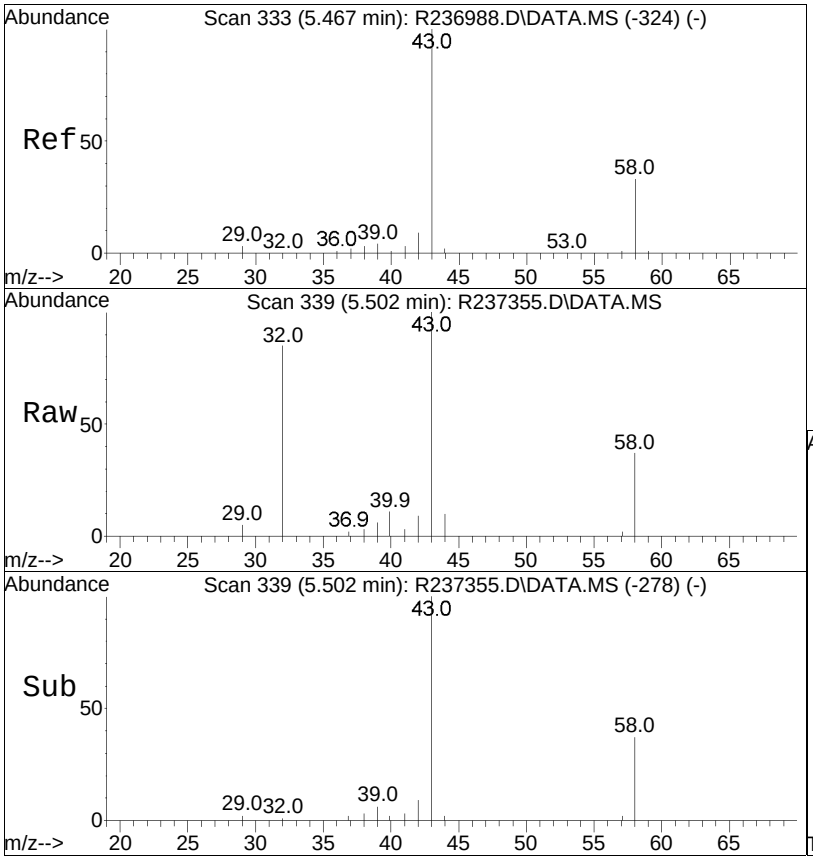


#15
ethanol
Concen: 6.85 ppbV
RT: 4.987 min Scan# 255
Delta R.T. 0.000 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 31 Resp: 47176

Ion	Ratio	Lower	Upper
31	100		
45	83.1	55.0	82.6#

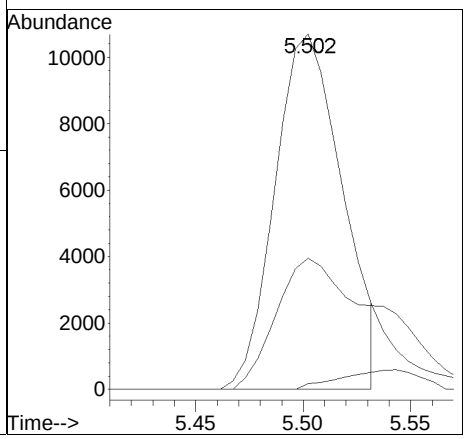


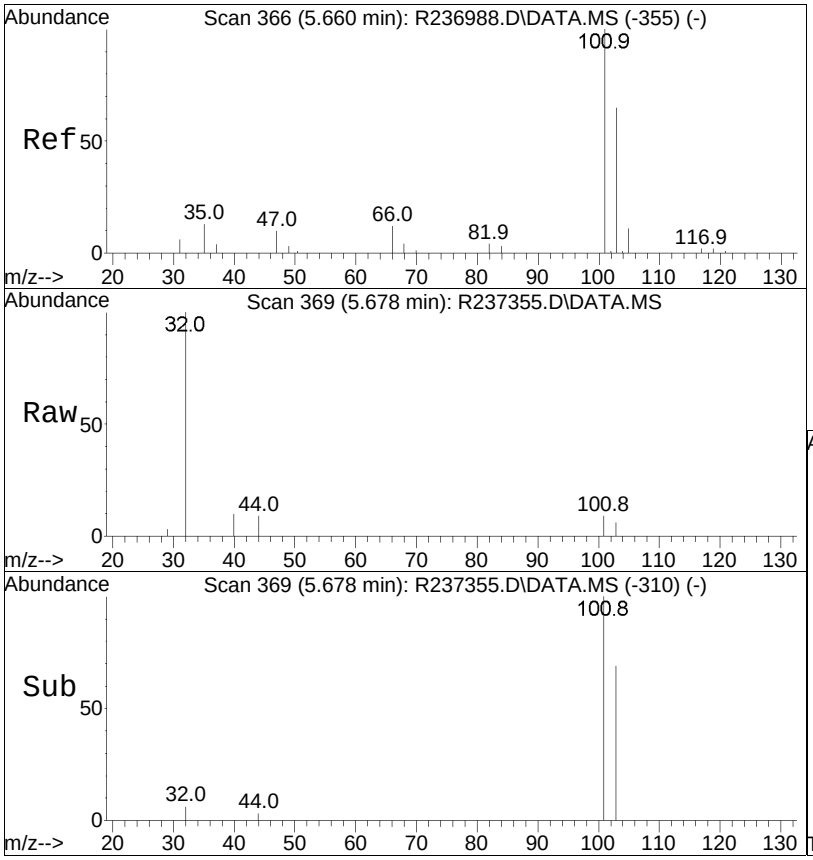


#19
acetone
Concen: 1.34 ppbV m
RT: 5.502 min Scan# 339
Delta R.T. 0.035 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 43 Resp: 23397

Ion	Ratio	Lower	Upper
43	100		
58	36.9	26.2	39.4
57	1.6	0.7	1.1#

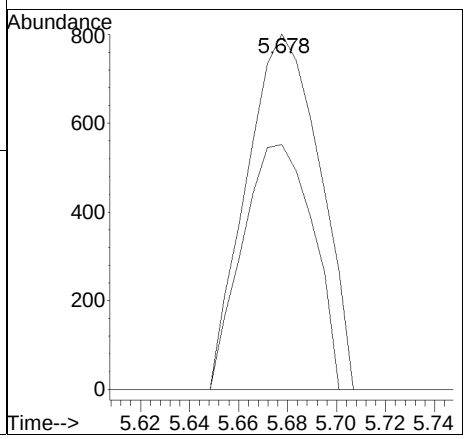


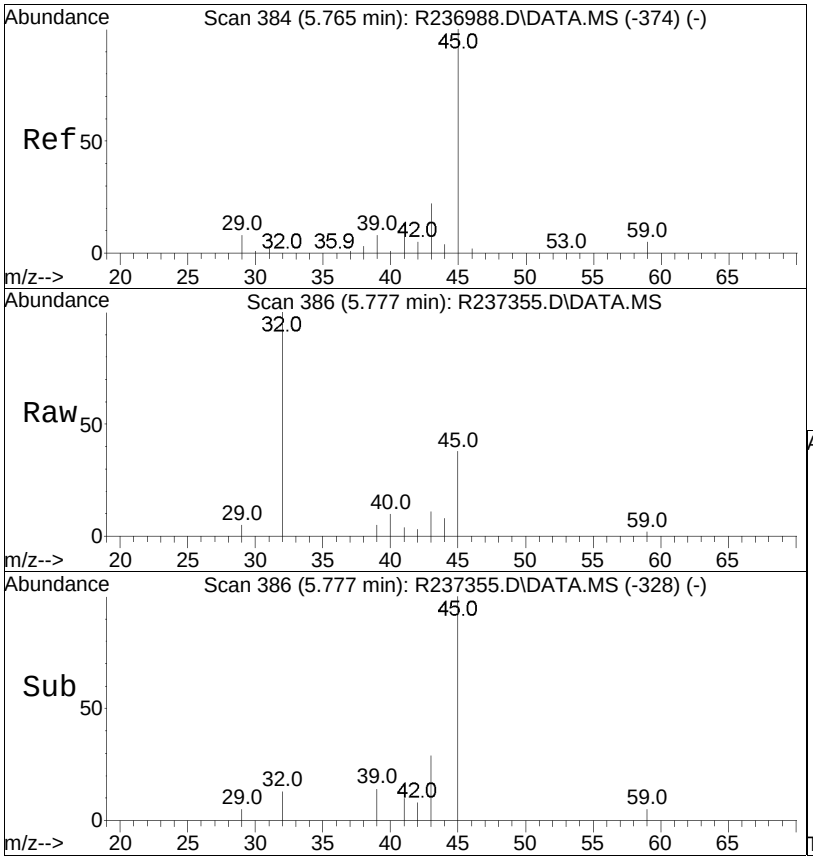


#21
trichlorofluoromethane
Concen: 0.03 ppbV
RT: 5.678 min Scan# 369
Delta R.T. 0.018 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion:101 Resp: 1663

Ion	Ratio	Lower	Upper
101	100		
103	68.9	52.1	78.1

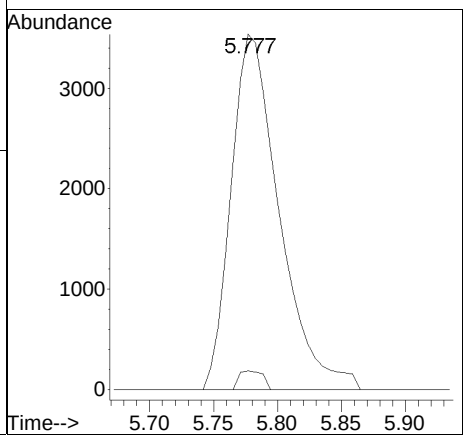


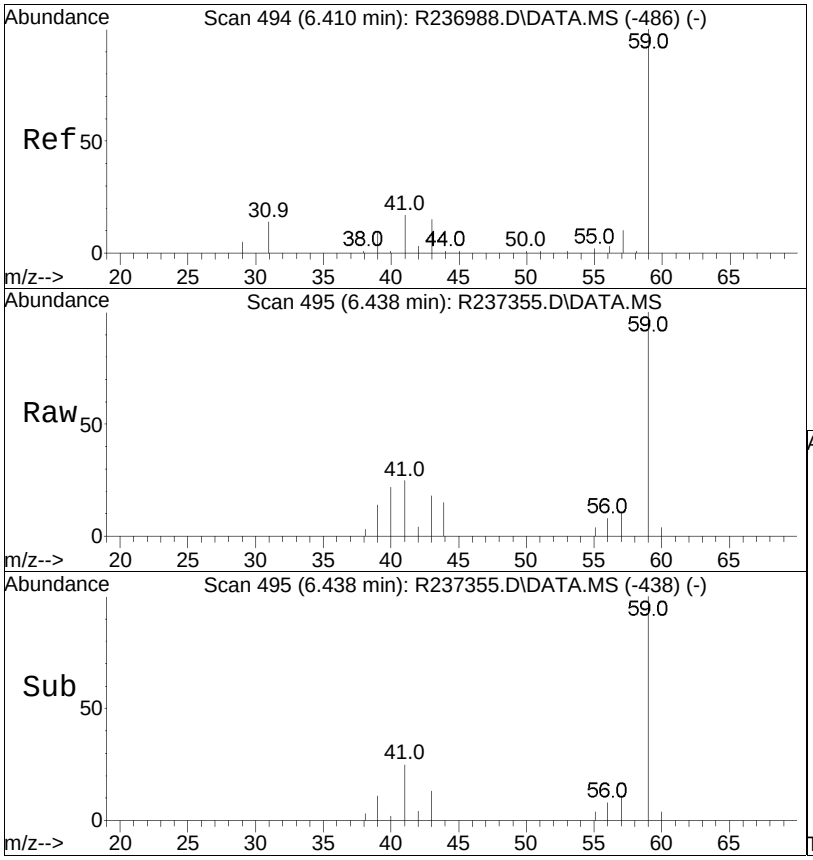


#22
isopropyl alcohol
Concen: 0.50 ppbV
RT: 5.777 min Scan# 386
Delta R.T. 0.012 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 45 Resp: 9265

Ion	Ratio	Lower	Upper
45	100		
59	5.2	3.8	5.6

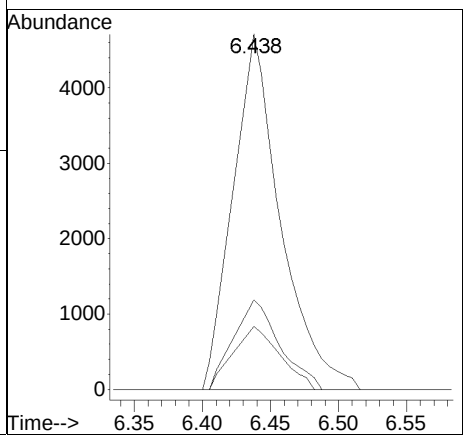


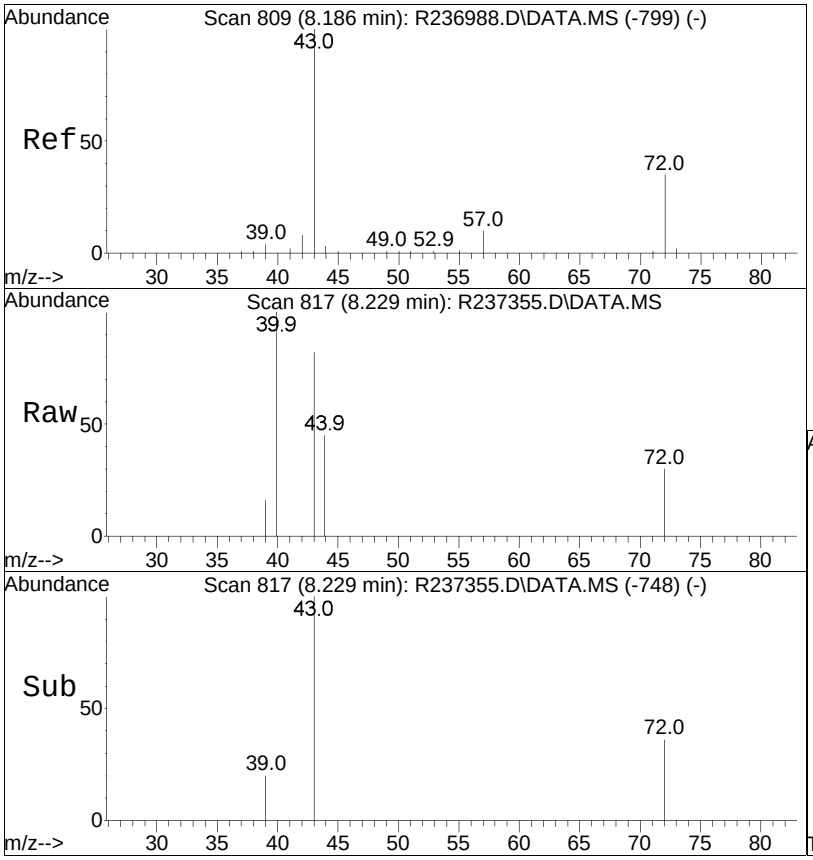


#27
tertiary butyl alcohol
Concen: 0.41 ppbV
RT: 6.438 min Scan# 495
Delta R.T. 0.028 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 59 Resp: 9336

Ion	Ratio	Lower	Upper
59	100		
41	25.2	13.6	20.4#
43	17.7	11.7	17.5#

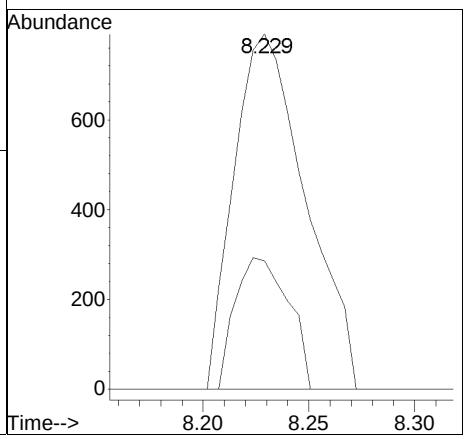


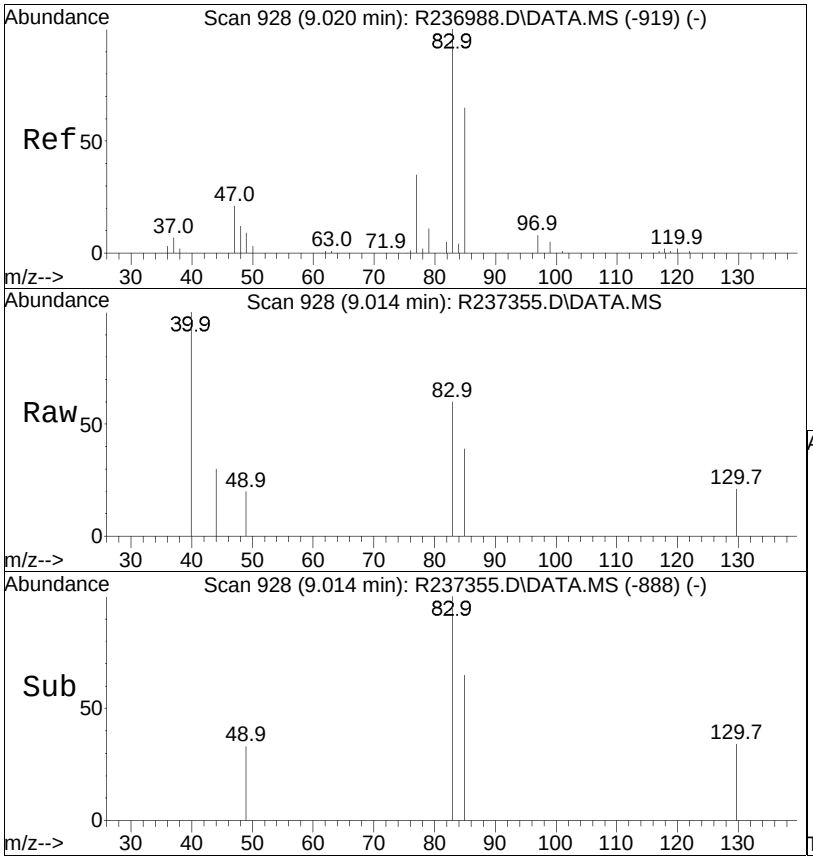


#36
2-butanone
Concen: 0.08 ppbV
RT: 8.229 min Scan# 817
Delta R.T. 0.043 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 43 Resp: 1867

Ion	Ratio	Lower	Upper
43	100		
72	36.2	27.8	41.6
57	0.0	7.7	11.5#

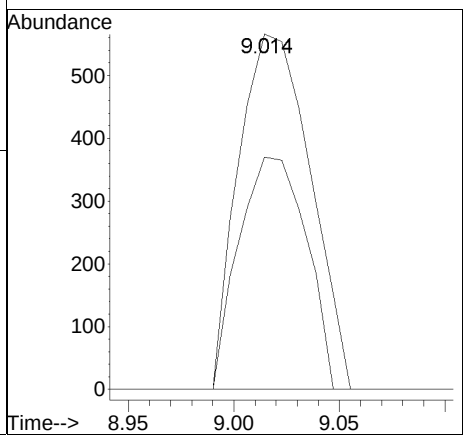


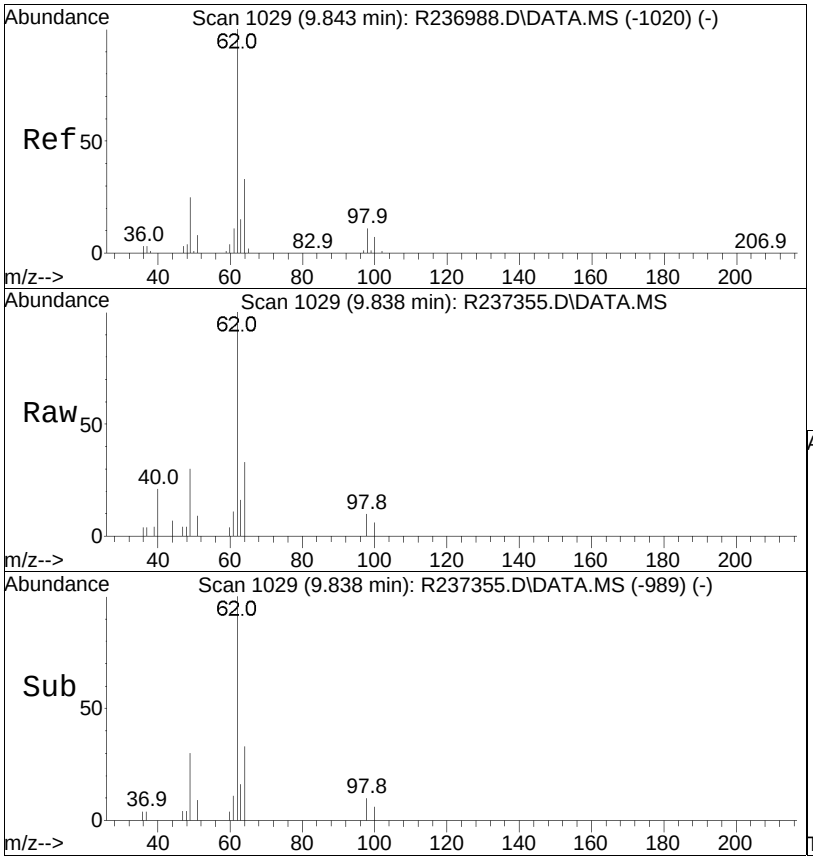


#39
chloroform
Concen: 0.03 ppbV
RT: 9.014 min Scan# 928
Delta R.T. -0.006 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 83 Resp: 1342

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5
47	0.0	17.1	25.7#

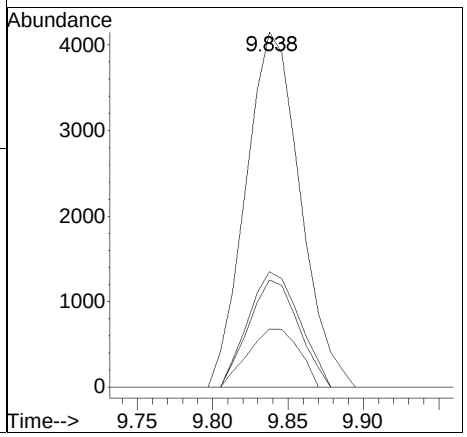


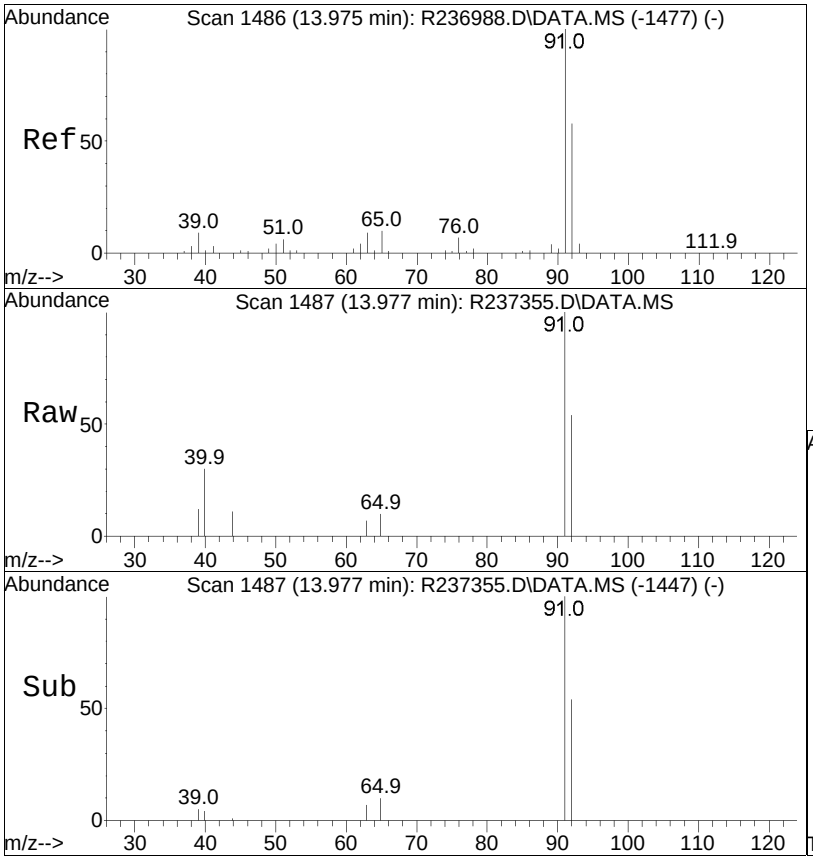


#42
1,2-dichloroethane
Concen: 0.44 ppbV
RT: 9.838 min Scan# 1029
Delta R.T. -0.006 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 62 Resp: 10430

Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.2	39.4
49	30.2	20.2	30.2#
63	16.4	12.4	18.6

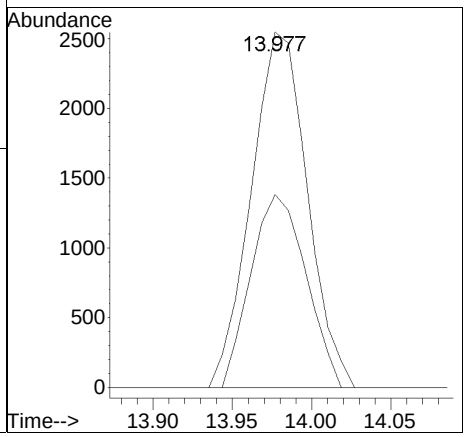


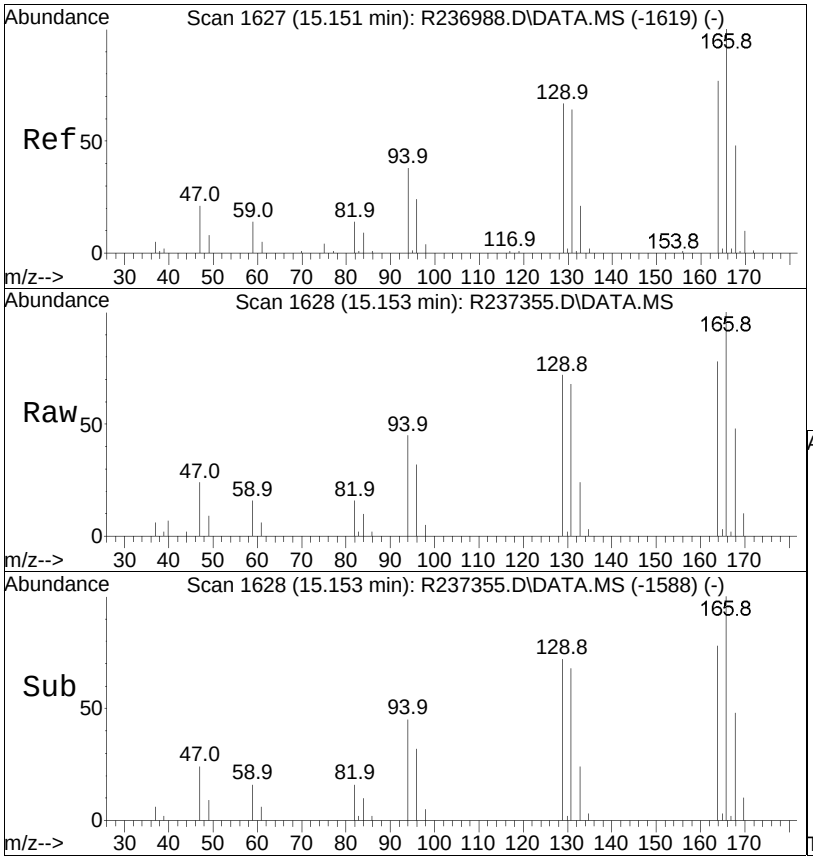


#68
toluene
Concen: 0.09 ppbV
RT: 13.977 min Scan# 1487
Delta R.T. 0.002 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 91 Resp: 6269

Ion	Ratio	Lower	Upper
91	100		
92	54.3	46.6	70.0

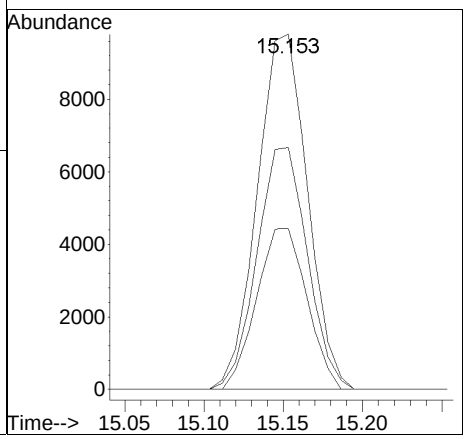


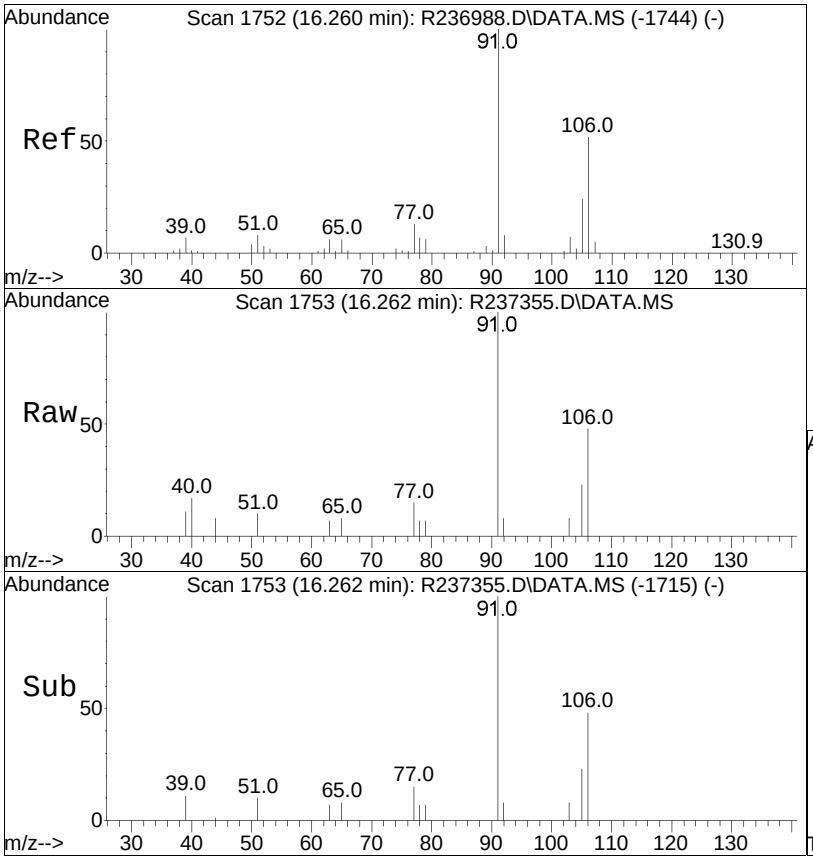


#78
tetrachloroethene
Concen: 0.52 ppbV
RT: 15.153 min Scan# 1628
Delta R.T. 0.002 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion:166 Resp: 21571

Ion	Ratio	Lower	Upper
166	100		
131	68.1	51.4	77.0
94	45.2	30.2	45.2

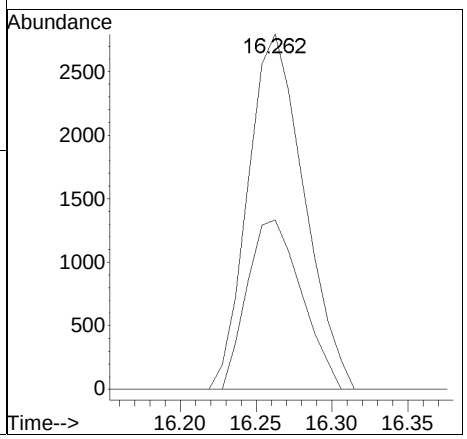


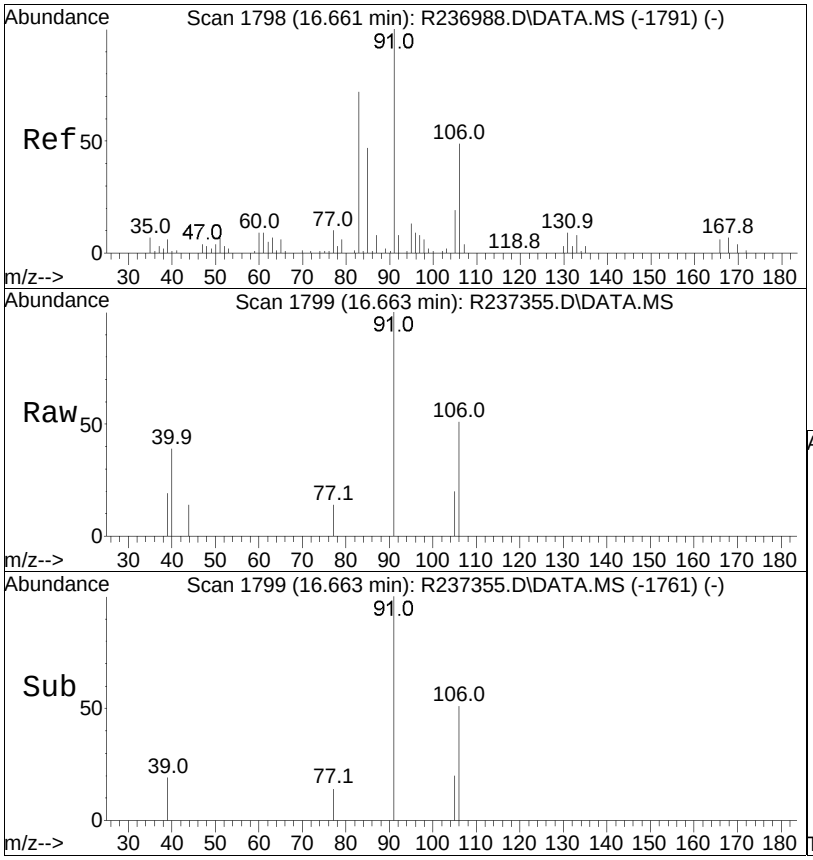


#83
m+p-xylene
Concen: 0.11 ppbV
RT: 16.262 min Scan# 1753
Delta R.T. 0.002 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 91 Resp: 7187

Ion	Ratio	Lower	Upper
91	100		
106	47.7	41.7	62.5

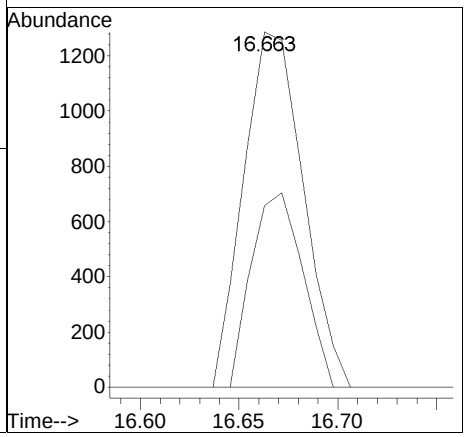


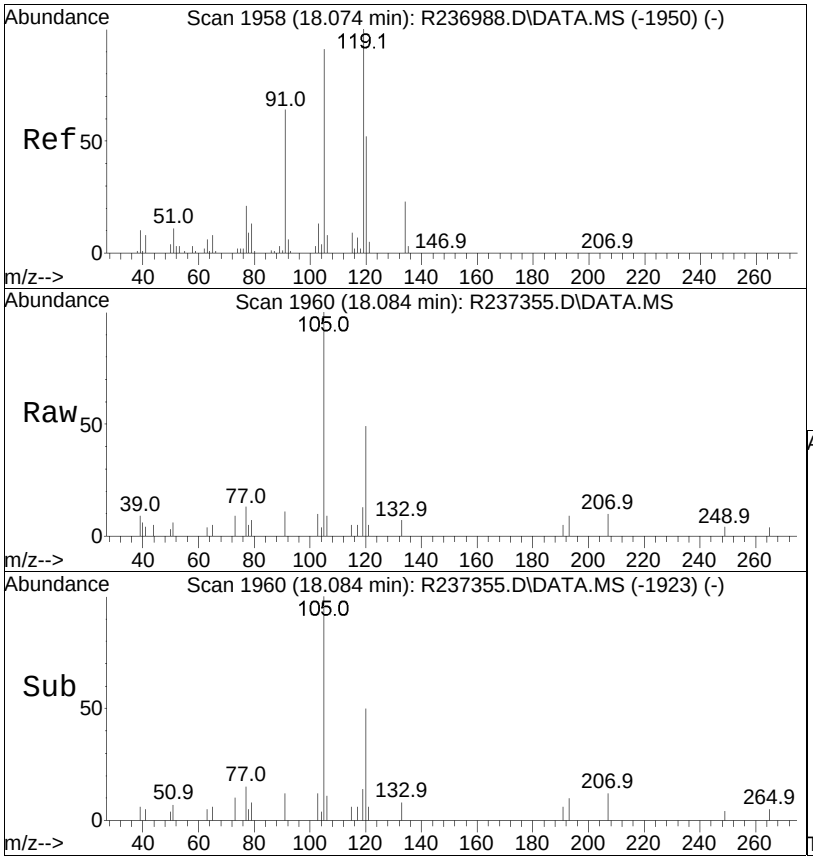


#87
o-xylene
Concen: 0.04 ppbV
RT: 16.663 min Scan# 1799
Delta R.T. 0.002 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion: 91 Resp: 2710

Ion	Ratio	Lower	Upper
91	100		
106	51.2	39.6	59.4

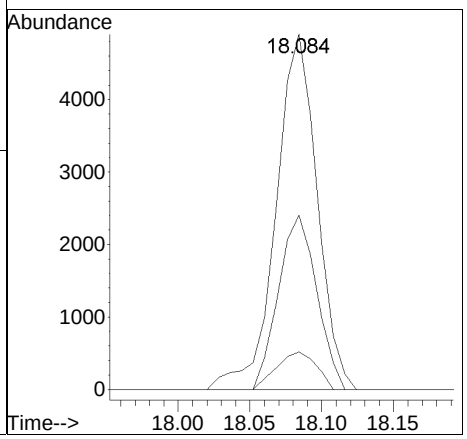




#99
1,2,4-trimethylbenzene
Concen: 0.13 ppbV
RT: 18.084 min Scan# 1960
Delta R.T. 0.010 min
Lab File: R237355.D
Acq: 19 Dec 2025 07:45 am

Tgt Ion:105 Resp: 9772

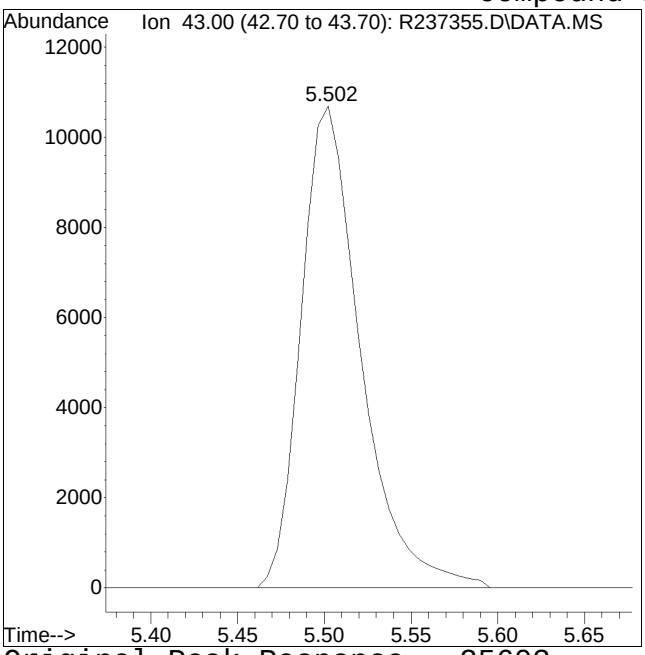
Ion	Ratio	Lower	Upper
105	100		
120	49.0	45.9	68.9
91	10.6	56.2	84.2#



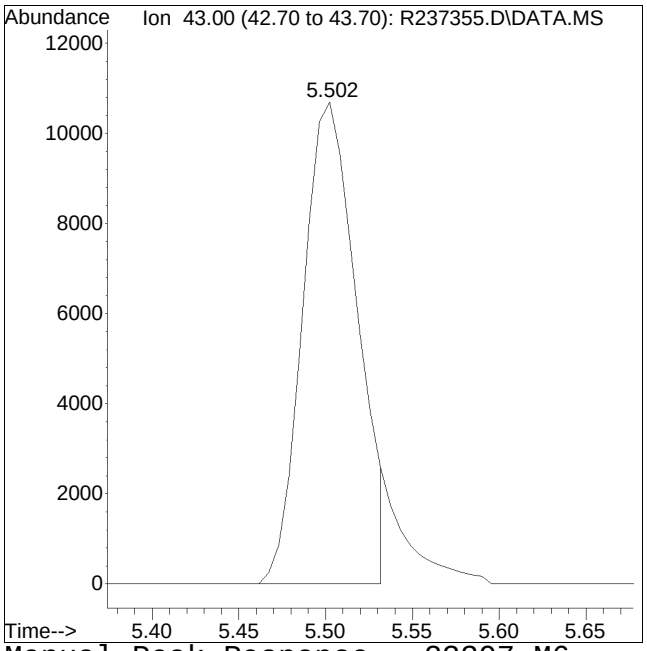
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237355.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 7:45 am Instrument : Airlab23
Sample : L2577500-22D,3,19.80,250 Quant Date : 12/19/2025 8:14 am

Compound #19: acetone



Original Peak Response = 25603



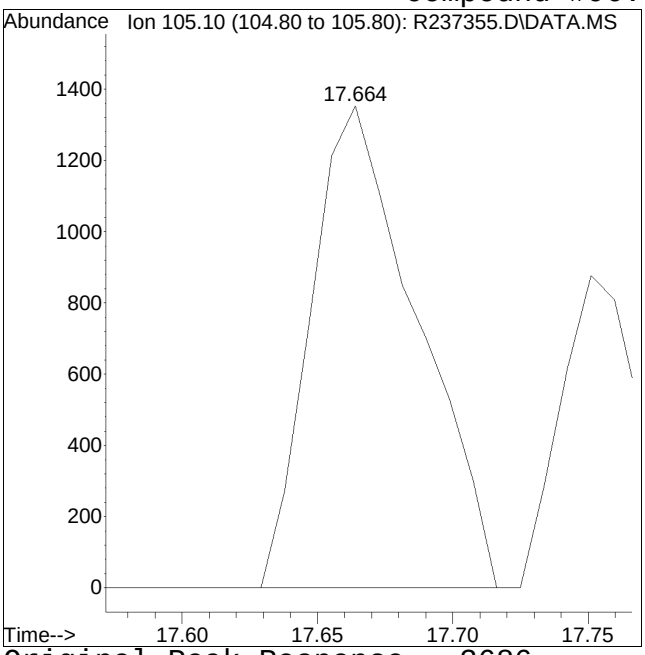
Manual Peak Response = 23397 M6

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

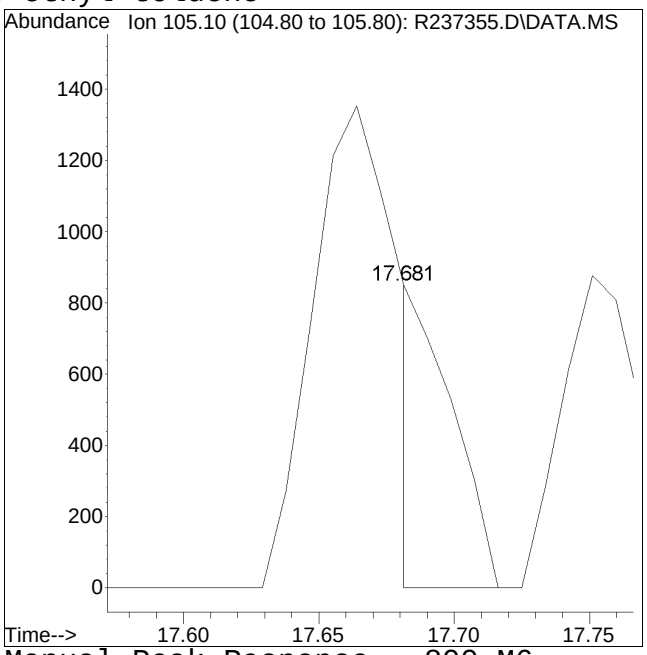
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237355.D Operator : AIRLAB23:TPH
Date Inj'd : 12/19/2025 7:45 am Instrument : Airlab23
Sample : L2577500-22D,3,19.80,250 Quant Date : 12/19/2025 8:14 am

Compound #96: 4-ethyl toluene



Original Peak Response = 3686



Manual Peak Response = 800 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753007.D
Acq On : 19 Dec 2025 9:30 AM
Operator : AIRLAB17:TPH
Sample : L2577500-03D,3,50,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 09:51:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : acetone - .

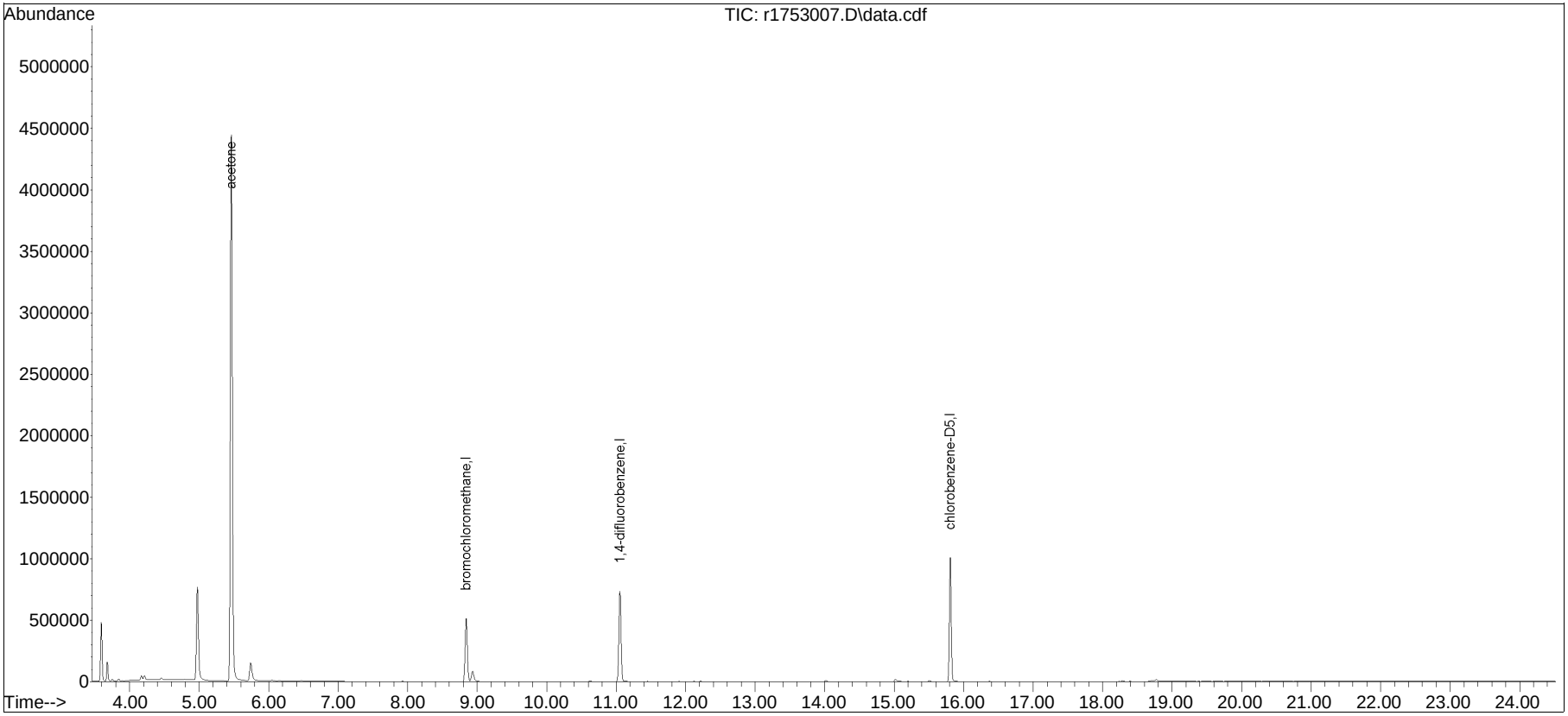
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	317042	10.000	ppbV	0.00
Standard Area = 341577			Recovery =		92.82%	
43) 1,4-difluorobenzene	11.057	114	759008	10.000	ppbV	0.00
Standard Area = 849055			Recovery =		89.39%	
67) chlorobenzene-D5	15.808	54	127435	10.000	ppbV	0.00
Standard Area = 140112			Recovery =		90.95%	
System Monitoring Compounds						
Target Compounds						Qvalue
19) acetone	5.463	43	5112956	166.233	ppbV	99

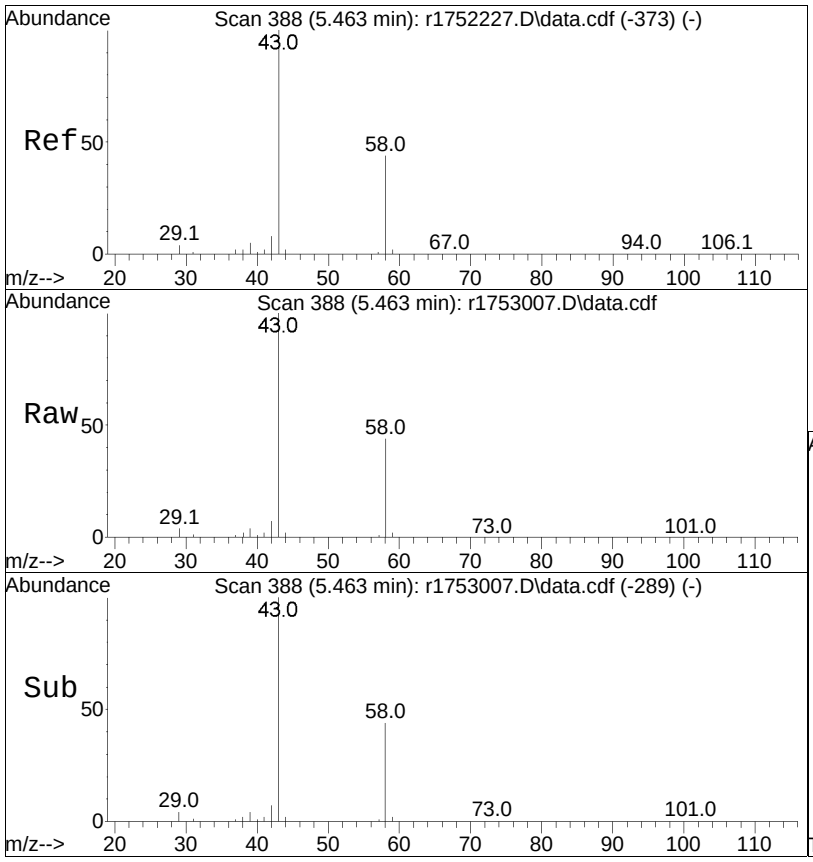
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : acetone - .ata\Airlab17\2025\12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753007.D
Acq On : 19 Dec 2025 9:30 AM
Operator : AIRLAB17:TPH
Sample : L2577500-03D,3,50,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 09:51:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

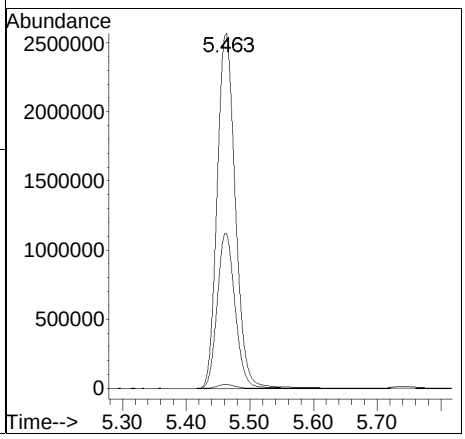




#19
acetone
Concen: 166.23 ppbV
RT: 5.463 min Scan# 388
Delta R.T. 0.000 min
Lab File: r1753007.D
Acq: 19 Dec 2025 9:30 AM

Tgt Ion: 43 Resp: 5112956

Ion	Ratio	Lower	Upper
43	100		
58	43.5	35.1	52.7
57	1.1	0.9	1.3



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1753007.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/19/2025 9:30 AM	Instrument	:
Sample	: L2577500-03D,3,50,250	Quant Date	: 12/19/2025 9:51 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753008.D
Acq On : 19 Dec 2025 10:05 AM
Operator : AIRLAB17:TPH
Sample : L2577500-04D,3,15,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 09:52:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : ETOH,ACE,IPA,EA - .

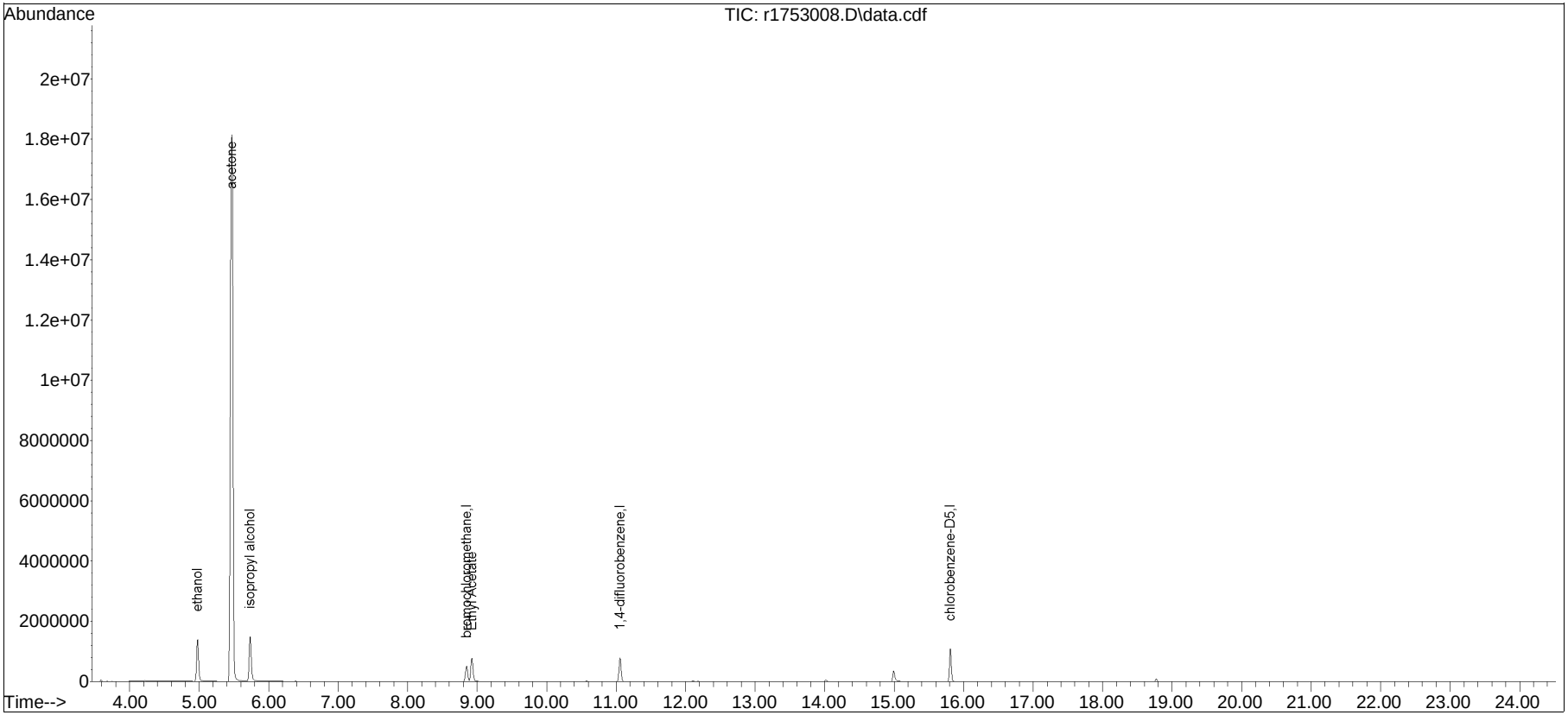
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	319807	10.000	ppbV	0.00
Standard Area = 341577			Recovery =		93.63%	
43) 1,4-difluorobenzene	11.057	114	789814	10.000	ppbV	0.00
Standard Area = 849055			Recovery =		93.02%	
67) chlorobenzene-D5	15.808	54	134180	10.000	ppbV	0.00
Standard Area = 140112			Recovery =		95.77%	
System Monitoring Compounds						
Target Compounds						Qvalue
15) ethanol	4.978	31	1090078	59.318	ppbV	97
19) acetone	5.470	43	24207599	780.235	ppbV #	61
22) isopropyl alcohol	5.733	45	1902906	54.034	ppbV	98
38) Ethyl Acetate	8.925	61	169860	18.941	ppbV #	38

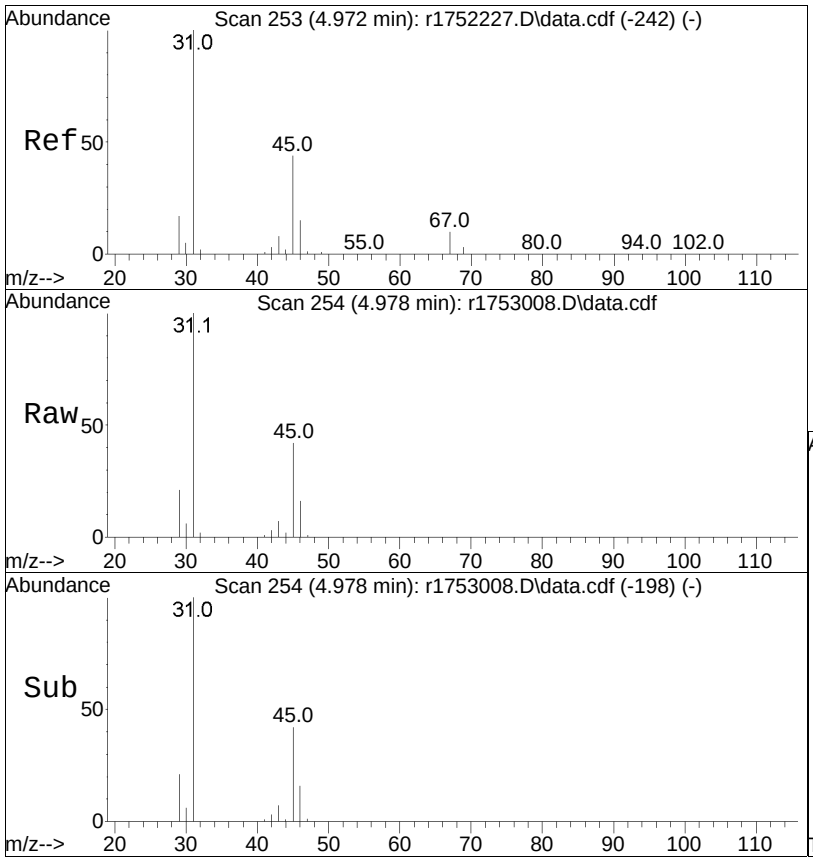
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : ETOH,ACE,IPA,EA - .ab17\2025\12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753008.D
Acq On : 19 Dec 2025 10:05 AM
Operator : AIRLAB17:TPH
Sample : L2577500-04D,3,15,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 09:52:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

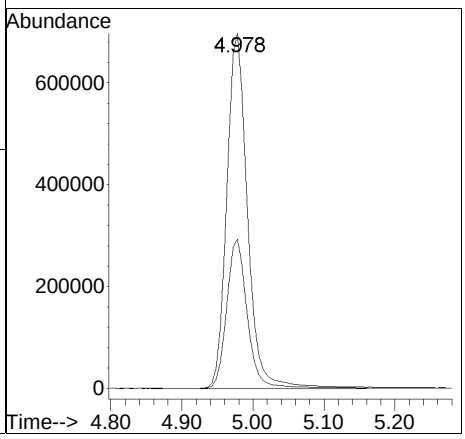


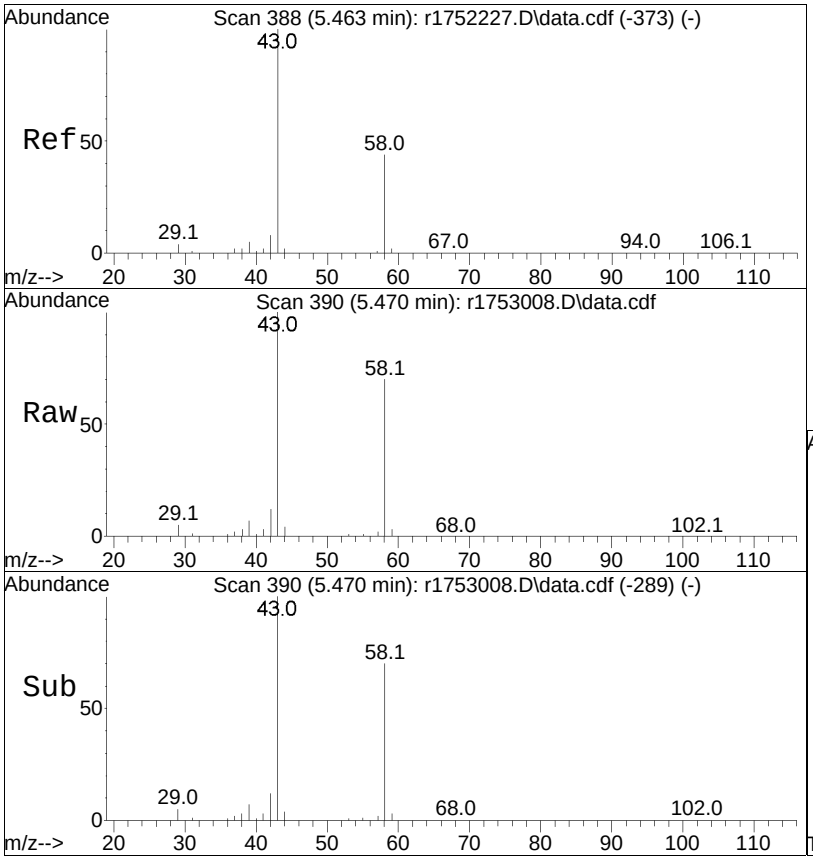


#15
ethanol
Concen: 59.32 ppbV
RT: 4.978 min Scan# 254
Delta R.T. 0.006 min
Lab File: r1753008.D
Acq: 19 Dec 2025 10:05 AM

Tgt Ion: 31 Resp: 1090078

Ion	Ratio	Lower	Upper
31	100		
45	42.0	35.3	52.9

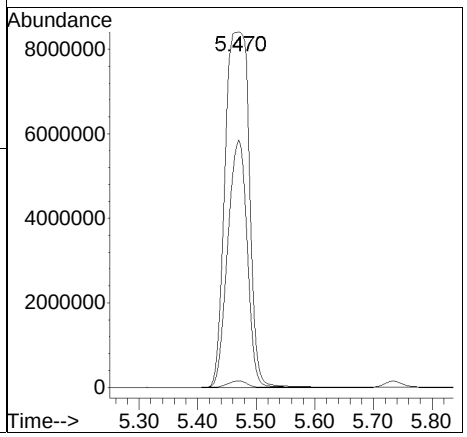


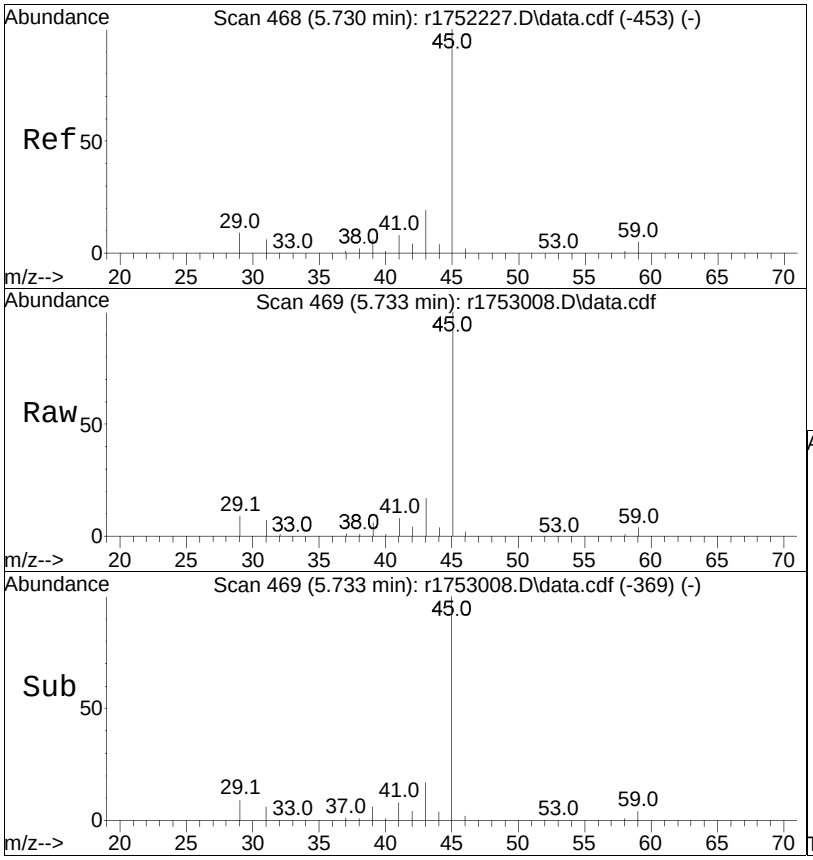


#19
acetone
Concen: 780.23 ppbV
RT: 5.470 min Scan# 390
Delta R.T. 0.007 min
Lab File: r1753008.D
Acq: 19 Dec 2025 10:05 AM

Tgt Ion: 43 Resp:24207599

Ion	Ratio	Lower	Upper
43	100		
58	69.7	35.1	52.7#
57	1.8	0.9	1.3#

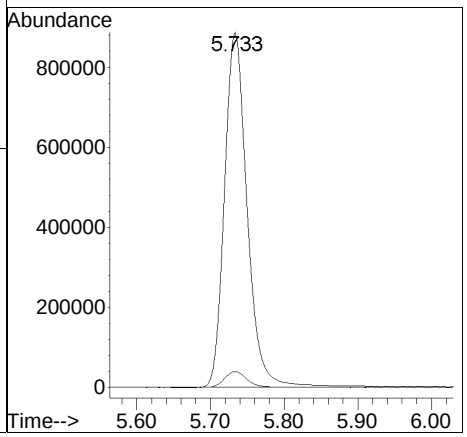


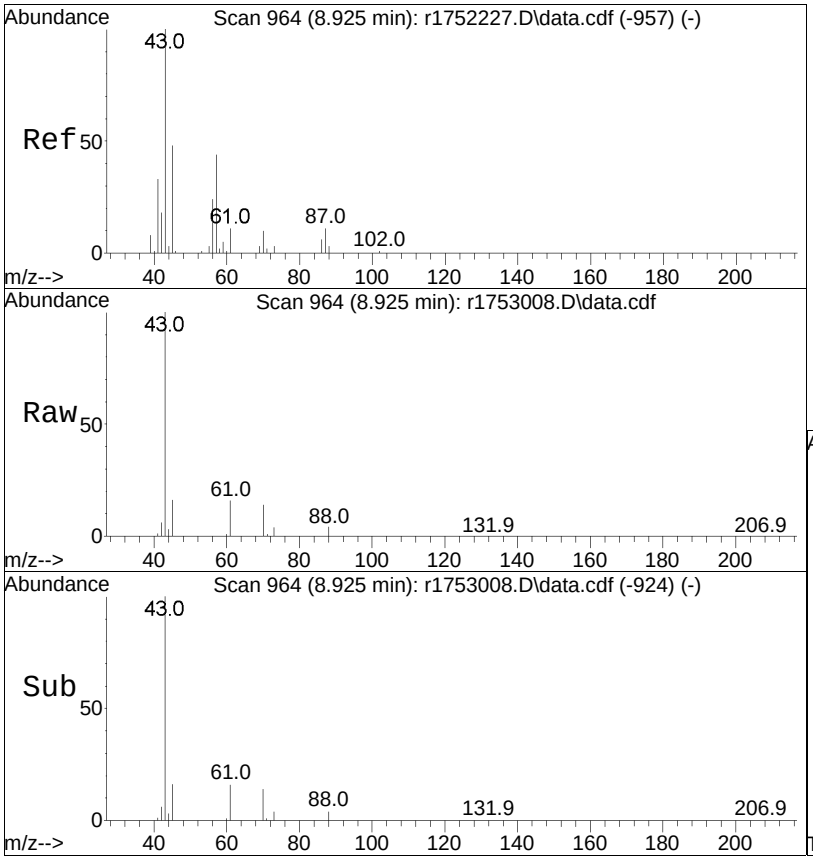


#22
isopropyl alcohol
Concen: 54.03 ppbV
RT: 5.733 min Scan# 469
Delta R.T. 0.003 min
Lab File: r1753008.D
Acq: 19 Dec 2025 10:05 AM

Tgt Ion: 45 Resp: 1902906

Ion	Ratio	Lower	Upper
45	100		
59	4.5	4.2	6.2

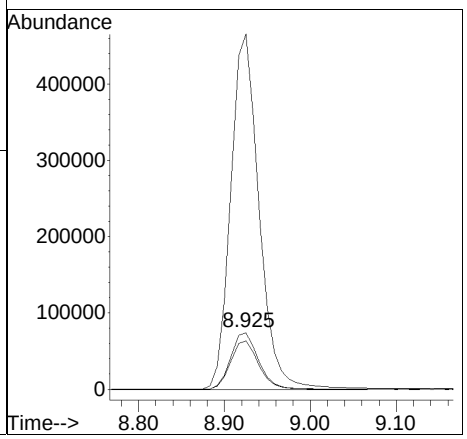




#38
Ethyl Acetate
Concen: 18.94 ppbV
RT: 8.925 min Scan# 964
Delta R.T. 0.000 min
Lab File: r1753008.D
Acq: 19 Dec 2025 10:05 AM

Tgt Ion: 61 Resp: 169860

Ion	Ratio	Lower	Upper
61	100		
70	85.7	68.4	102.6
43	628.4	727.4	1091.2#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1753008.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/19/2025 10:05 AM	Instrument	:
Sample	: L2577500-04D,3,15,250	Quant Date	: 12/19/2025 9:52 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753009.D
Acq On : 19 Dec 2025 10:40 AM
Operator : AIRLAB17:TPH
Sample : L2577500-05D,3,20,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 10:28:52 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : ethanol - .

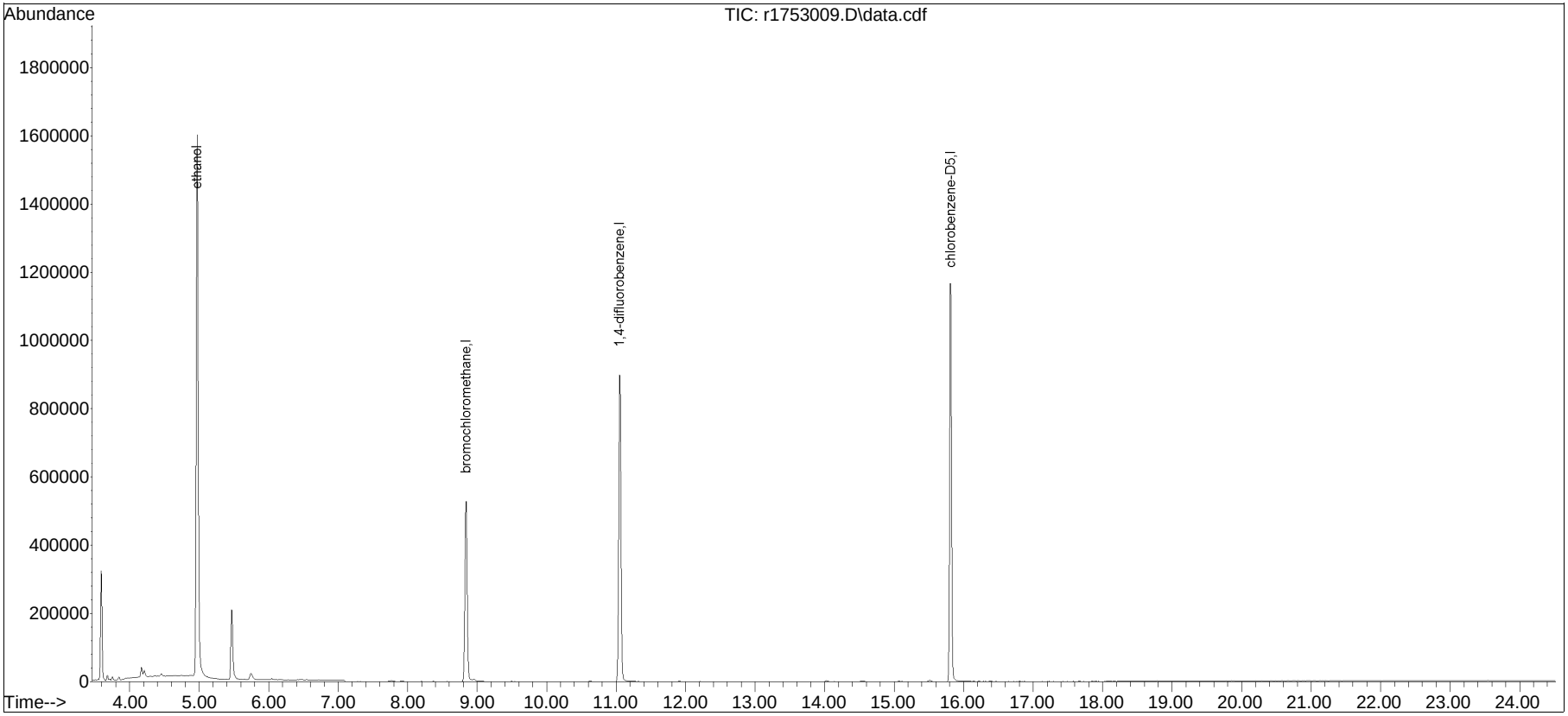
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	340719	10.000	ppbV	0.00
Standard Area = 341577			Recovery = 99.75%			
43) 1,4-difluorobenzene	11.050	114	935011	10.000	ppbV	0.00
Standard Area = 849055			Recovery = 110.12%			
67) chlorobenzene-D5	15.817	54	151626	10.000	ppbV	0.00
Standard Area = 140112			Recovery = 108.22%			
System Monitoring Compounds						
Target Compounds						Qvalue
15) ethanol	4.972	31	1283800	65.572	ppbV	97

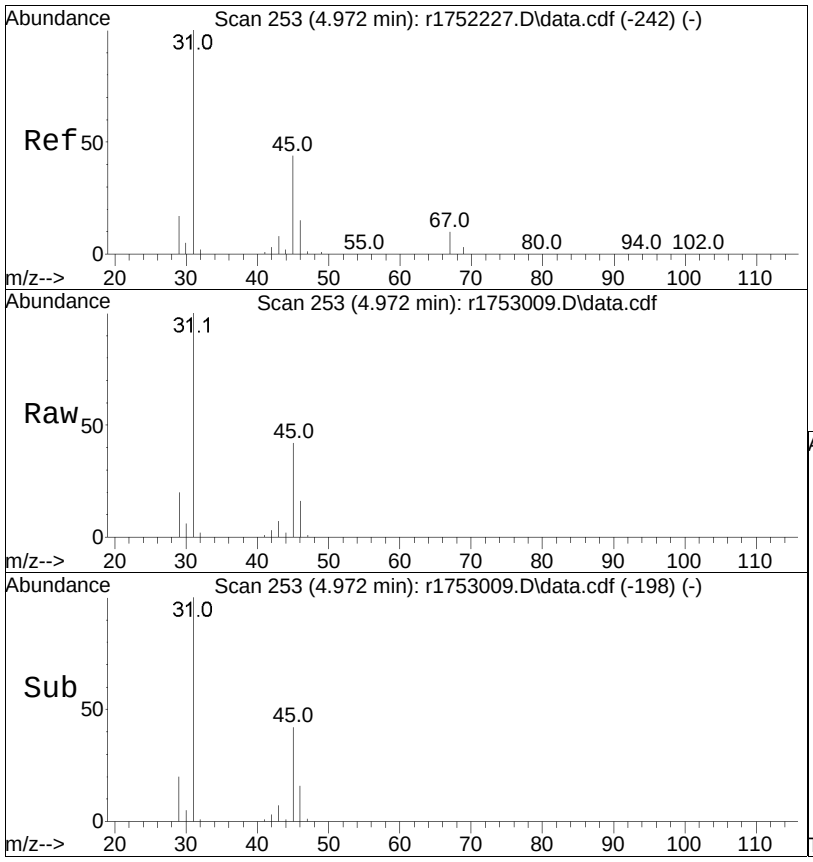
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : ethanol - .ata\Airlab17\2025\12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1753009.D
Acq On : 19 Dec 2025 10:40 AM
Operator : AIRLAB17:TPH
Sample : L2577500-05D,3,20,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 10:28:52 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

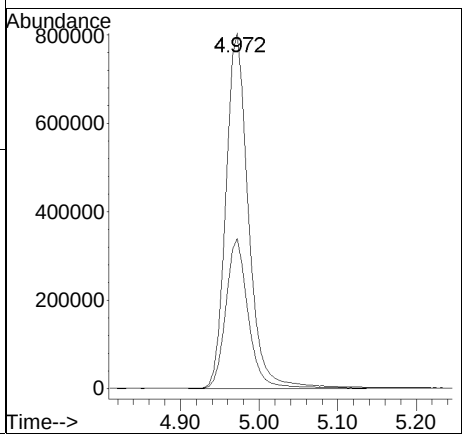




#15
ethanol
Concen: 65.57 ppbV
RT: 4.972 min Scan# 253
Delta R.T. 0.000 min
Lab File: r1753009.D
Acq: 19 Dec 2025 10:40 AM

Tgt Ion: 31 Resp: 1283800

Ion	Ratio	Lower	Upper
31	100		
45	42.2	35.3	52.9



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1753009.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/19/2025 10:40 AM	Instrument	:
Sample	: L2577500-05D,3,20,250	Quant Date	: 12/19/2025 10:28 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558362.D
Acq On : 19 Dec 2025 6:25 PM
Operator : AIRLAB15:TPH
Sample : L2577500-04D2,3,0.79,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:59 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Acetone - .

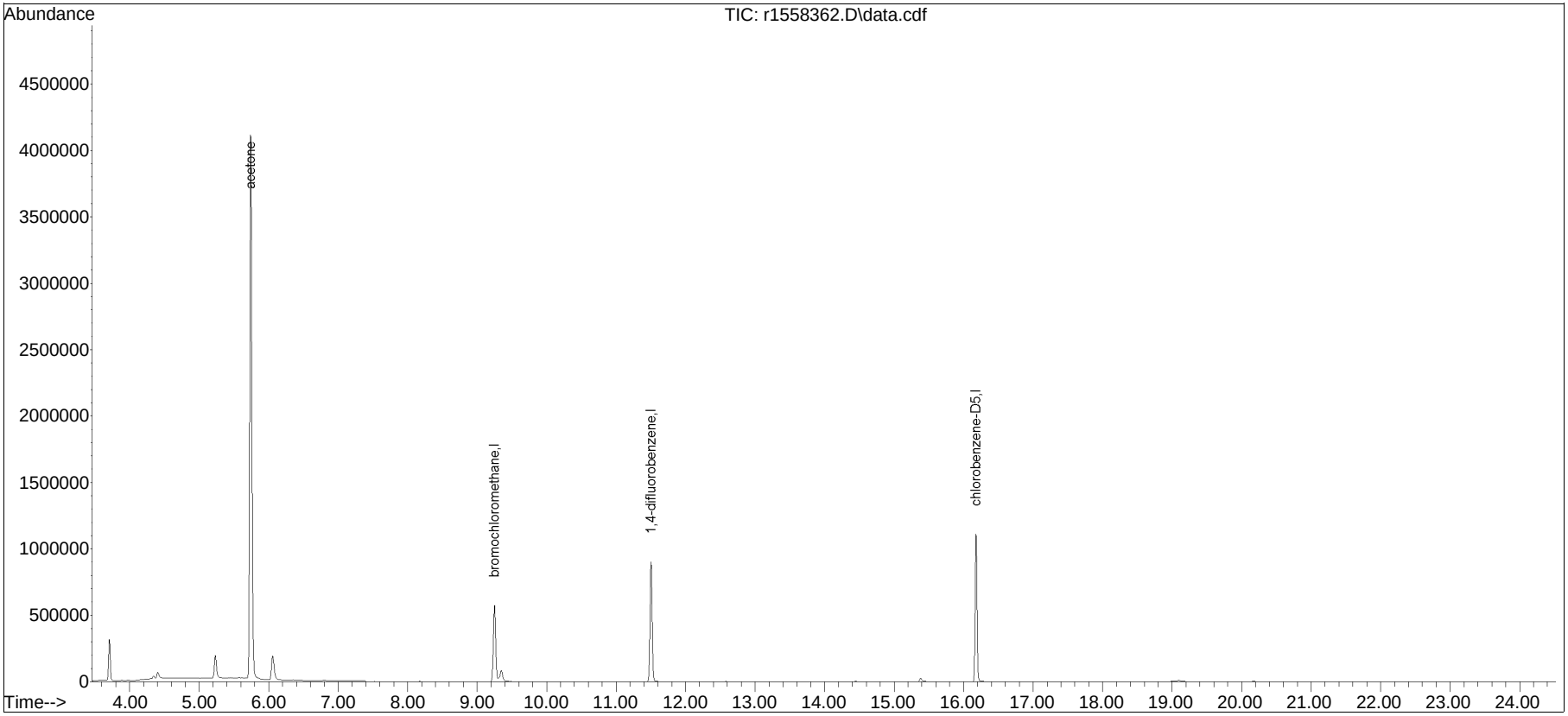
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.250	49	455816	10.000	ppbV	-0.04
Standard Area = 486961			Recovery =		93.60%	
43) 1,4-difluorobenzene	11.503	114	810659	10.000	ppbV	-0.03
Standard Area = 916541			Recovery =		88.45%	
67) chlorobenzene-D5	16.175	54	186577	10.000	ppbV	-0.02
Standard Area = 216453			Recovery =		86.20%	
System Monitoring Compounds						
Target Compounds						Qvalue
19) acetone	5.740	43	5436400	120.374	ppbV	93

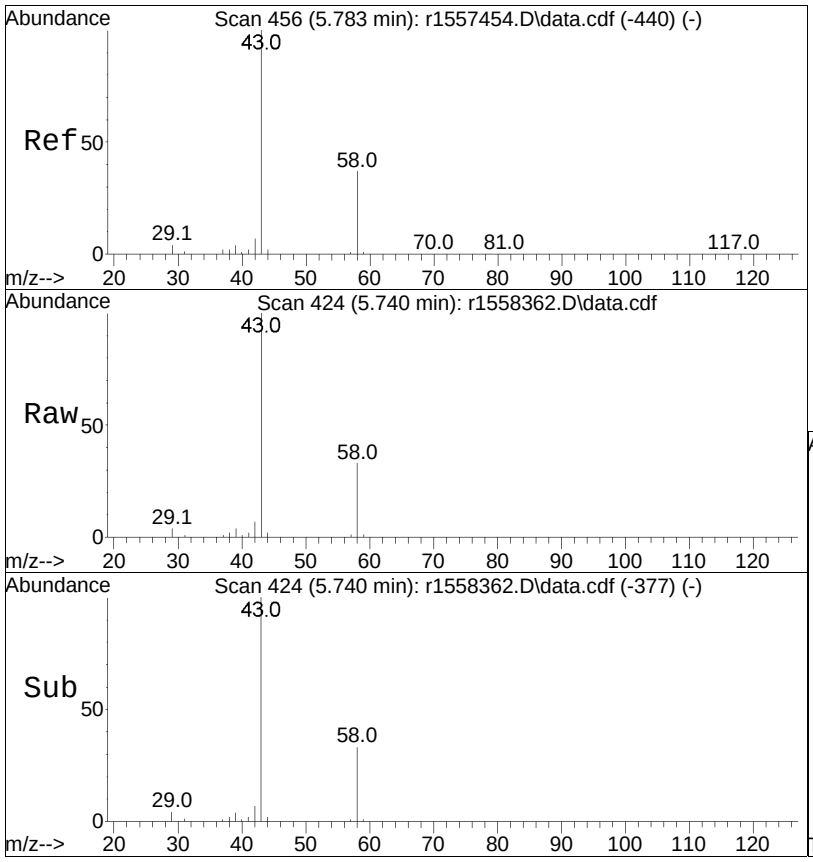
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Acetone - .ata\Airlab15\2025\12\1219T\r1558357.D

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558362.D
Acq On : 19 Dec 2025 6:25 PM
Operator : AIRLAB15:TPH
Sample : L2577500-04D2,3,0.79,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:59 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

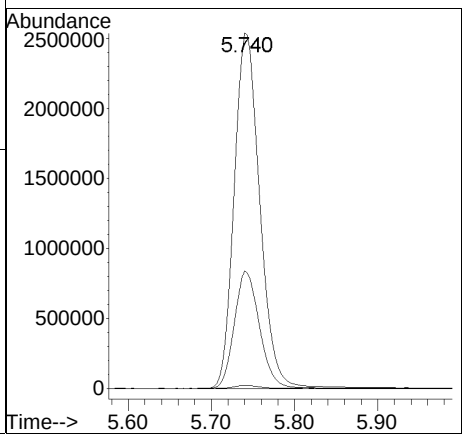




#19
acetone
Concen: 120.37 ppbV
RT: 5.740 min Scan# 424
Delta R.T. -0.043 min
Lab File: r1558362.D
Acq: 19 Dec 2025 6:25 PM

Tgt Ion: 43 Resp: 5436400

Ion	Ratio	Lower	Upper
43	100		
58	33.1	29.9	44.9
57	0.9	0.8	1.2



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab15\20	QMethod	: TFS15_251030.M
Data File	: r1558362.D	Operator	: AIRLAB15:TPH
Date Inj'd	: 12/19/2025 6:25 PM	Instrument	:
Sample	: L2577500-04D2,3,0.79,250	Quant Date	: 12/20/2025 8:22 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**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB15**	**Ical Ref**	**: ICAL22781**
Calibration dates	**: 10/31/25 02:09 10/31/25 06:38**		

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	ISTD									
2)		chlorodifluoromethane	1.086	1.069	1.060	0.980	0.990	0.997	0.881	0.899	0.995	7.64
3)		propylene		0.789	0.751	0.655	0.634	0.696	0.676	0.656	0.694	8.13
4)		propane		0.969	0.930	0.851	0.876	0.902	0.878	0.848	0.893	4.92
5)		dichlorodifluoromethane	1.347	1.305	1.275	1.249	1.265	1.245	1.193	1.136	1.252	5.19
6)	C	chloromethane	0.687	0.698	0.687	0.655	0.682	0.677	0.665	0.645	0.675	2.67
7)		Freon-114	1.455	1.459	1.398	1.372	1.400	1.394	1.342	1.264	1.385	4.53
8)	C	methanol			0.507	0.393	0.396	0.419	0.406	0.385	0.418	10.84
9)	C	vinyl chloride	0.779	0.795	0.778	0.768	0.797	0.808	0.796	0.781	0.788	1.68
10)	C	1,3-butadiene	0.700	0.662	0.629	0.602	0.618	0.625	0.607	0.578	0.628	6.05
11)		butane	1.318	1.256	1.213	1.112	1.153	1.204	1.192	1.175	1.203	5.25
12)	C	acetaldehyde		0.469	0.455	0.429	0.433	0.435	0.404	0.367	0.427	7.90
13)	C	bromomethane	0.598	0.554	0.528	0.508	0.522	0.526	0.512	0.492	0.530	6.19
14)	C	chloroethane	0.396	0.384	0.374	0.359	0.374	0.384	0.380	0.378	0.379	2.78
15)		ethanol			0.828	0.711	0.870	0.818	0.873	0.838	0.823	7.20
16)		dichlorofluoromethane	1.499	1.324	1.168	1.110	0.951	1.045	0.897	0.773	1.096	21.46
17)	C	vinyl bromide	0.502	0.495	0.471	0.458	0.480	0.493	0.487	0.480	0.483	2.96
18)	C	acrolein		0.383	0.344	0.344	0.365	0.382	0.380	0.381	0.368	4.77
19)		acetone	1.034	1.046	1.026	0.946	0.978	0.990	0.966	0.941	0.991	4.07
20)	C	acetonitrile	0.647	0.727	0.664	0.666	0.803	0.789	0.801	0.802	0.737	9.44
21)		trichlorofluoromethane	1.152	1.127	1.100	1.069	1.099	1.091	1.059	1.045	1.093	3.24
22)		isopropyl alcohol		1.405	1.391	1.157	1.209	1.245	1.223	1.204	1.262	7.65
23)	C	acrylonitrile	0.508	0.543	0.553	0.560	0.610	0.654	0.748	0.748	0.615	15.11
24)		pentane	1.574	1.798	1.774	1.675	1.644	1.803	1.778	1.802	1.731	5.07
25)		ethyl ether	1.759	1.869	1.747	1.809	1.982	2.152	2.092	1.974	1.923	7.88
26)	C	1,1-dichloroethene	1.041	1.045	1.044	1.015	1.050	1.066	1.055	1.057	1.047	1.45
27)		tertiary butyl alcohol		1.491	1.416	1.396	1.458	1.589	1.596	1.595	1.506	5.79
28)	C	methylene chloride		0.873	0.838	0.817	0.843	0.847	0.816	0.790	0.832	3.23
29)	C	3-chloropropene	1.095	1.063	1.052	0.987	1.032	1.065	1.053	1.050	1.050	2.95
30)	C	carbon disulfide	1.540	1.606	1.582	1.529	1.630	1.680	1.665	1.693	1.616	3.86
31)		Freon 113	1.071	1.049	1.010	1.003	1.030	1.049	1.052	1.070	1.042	2.44
32)		trans-1,2-dichloroethene	0.921	0.956	0.943	0.904	0.957	1.000	0.991	0.999	0.959	3.75
33)	C	1,1-dichloroethane	1.257	1.243	1.224	1.191	1.240	1.265	1.248	1.249	1.240	1.85
34)	C	MTBE	1.606	1.571	1.548	1.503	1.567	1.606	1.575	1.564	1.568	2.09
35)	C	vinyl acetate	1.442	1.380	1.244	1.204	1.401	1.656	1.806	1.873	1.501	16.66
36)	C	2-butanone		1.555	1.465	1.553	1.651	1.696	1.680	1.663	1.609	5.34

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB15**	**Ical Ref**	**: ICAL22781**
Calibration dates	**: 10/31/25 02:09 10/31/25 06:38**		

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)		cis-1,2-dichloroethene	0.925	0.960	0.944	0.937	0.977	1.003	0.991	0.992	0.966	2.97
38)		Ethyl Acetate		0.230	0.218	0.221	0.240	0.252	0.258	0.271	0.241	8.23
39)	C	chloroform	1.194	1.206	1.184	1.161	1.183	1.169	1.123	1.081	1.162	3.57
40)		Tetrahydrofuran		0.808	0.820	0.792	0.831	0.854	0.847	0.851	0.829	2.82
41)		2,2-dichloropropane	0.953	0.934	0.933	0.907	0.931	0.958	0.930	0.911	0.932	1.89
42)	C	1,2-dichloroethane	0.876	0.883	0.854	0.840	0.867	0.868	0.850	0.844	0.860	1.80
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.657	0.652	0.645	0.585	0.614	0.631	0.613	0.616	0.626	3.87
45)		diisopropyl ether	0.288	0.281	0.269	0.262	0.275	0.288	0.281	0.289	0.279	3.53
46)		tert-butyl ethyl ether	1.135	1.157	1.157	1.098	1.153	1.215	1.168	1.182	1.158	2.94
47)	s	1,2-dichloroethane-D4	0.315	0.322	0.319	0.317	0.326	0.329	0.323	0.329	0.322	1.65
48)	C	1,1,1-trichloroethane	0.477	0.557	0.549	0.521	0.495	0.543	0.508	0.503	0.519	5.49
49)		1,1-dichloropropene	0.450	0.468	0.452	0.427	0.450	0.463	0.445	0.441	0.449	2.82
50)	C	benzene	1.060	1.029	1.000	0.975	1.018	1.028	0.978	0.971	1.007	3.14
51)		thiophene	0.839	0.839	0.826	0.912	0.963	0.865	0.830	0.840	0.864	5.63
52)	C	carbon tetrachloride	0.417	0.414	0.415	0.408	0.432	0.436	0.412	0.404	0.417	2.69
53)		cyclohexane	0.668	0.664	0.642	0.622	0.651	0.674	0.654	0.653	0.653	2.49
54)		tert-amyl methyl ether	0.861	0.875	0.871	0.832	0.876	0.917	0.891	0.904	0.878	2.98
55)		dibromomethane	0.317	0.318	0.308	0.293	0.307	0.322	0.314	0.322	0.313	3.15
56)	C	1,2-dichloropropane	0.399	0.399	0.385	0.381	0.398	0.408	0.402	0.422	0.399	3.23
57)		bromodichloromethane	0.536	0.553	0.538	0.537	0.566	0.579	0.548	0.548	0.551	2.80
58)	C	1,4-dioxane	0.215	0.221	0.210	0.215	0.220	0.238	0.235	0.245	0.225	5.67
59)	C	trichloroethene	0.373	0.383	0.373	0.362	0.375	0.388	0.379	0.393	0.378	2.56
60)	C	2,2,4-trimethylpentane	1.979	2.000	1.976	1.907	1.942	2.074	1.947	1.948	1.972	2.54
61)		methyl methacrylate		0.492	0.491	0.496	0.527	0.555	0.544	0.559	0.523	5.78
62)		heptane	0.738	0.757	0.722	0.697	0.727	0.741	0.717	0.726	0.728	2.45
63)	C	cis-1,3-dichloropropene	0.444	0.462	0.459	0.474	0.496	0.510	0.498	0.499	0.480	4.94
64)	C	4-methyl-2-pentanone		0.866	0.859	0.848	0.892	0.922	0.895	0.904	0.884	3.03
65)		trans-1,3-dichloropropene	0.312	0.347	0.338	0.345	0.374	0.383	0.377	0.377	0.357	7.03
66)	C	1,1,2-trichloroethane	0.345	0.354	0.348	0.342	0.362	0.366	0.359	0.373	0.356	3.03
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	5.084	5.388	5.073	4.731	5.293	5.360	4.962	5.169	5.133	4.29
69)	s	toluene-D8	3.791	4.087	4.063	3.838	4.171	4.236	4.069	4.253	4.064	4.19
70)		2-methylthiophene	4.406	4.721	4.541	4.857	5.448	4.854	4.517	4.812	4.769	6.76
71)		1,3-dichloropropane	2.355	2.515	2.444	2.196	2.498	2.523	2.318	2.409	2.407	4.70
72)		2-hexanone	3.132	3.548	3.383	3.351	3.730	3.888	3.655	3.894	3.573	7.59

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB15**	**Ical Ref**	**: ICAL22781**
Calibration dates	**: 10/31/25 02:09 10/31/25 06:38**		

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)		3-methylthiophene	4.522	4.724	4.577	4.929	5.567	4.963	4.655	5.018	4.869	6.92
74)		dibromochloromethane	1.954	2.049	2.038	1.962	2.235	2.317	2.148	2.231	2.117	6.42
75)	C	1,2-dibromoethane	2.106	2.176	2.108	1.993	2.243	2.277	2.116	2.268	2.161	4.56
76)		butyl acetate		0.608	0.587	0.540	0.621	0.655	0.611	0.651	0.611	6.43
77)		octane	1.777	1.945	1.879	1.721	1.918	1.976	1.850	1.947	1.876	4.77
78)	C	tetrachloroethene	1.894	1.813	1.818	1.692	1.872	1.870	1.787	1.864	1.826	3.58
79)		1,1,1,2-tetrachloroethane	1.557	1.665	1.621	1.478	1.692	1.797	1.682	1.746	1.655	6.16
80)	C	chlorobenzene	3.599	3.750	3.738	3.409	3.851	3.907	3.625	3.905	3.723	4.63
81)	C	ethylbenzene	6.465	6.770	6.522	6.162	6.993	7.011	6.551	6.732	6.651	4.28
82)		2-ethylthiophene	5.333	5.534	5.528	5.908	6.614	5.817	5.497	5.815	5.756	6.93
83)	C	m+p-xylene	5.074	5.348	5.290	4.935	5.576	5.564	5.167	5.293	5.281	4.22
84)	C	bromoform	1.403	1.526	1.461	1.492	1.744	1.844	1.783	1.918	1.646	11.99
85)	C	styrene	3.414	3.722	3.732	3.506	3.909	3.962	3.745	4.015	3.751	5.65
86)	C	1,1,2,2-tetrachloroethane	3.518	3.714	3.659	3.472	3.963	4.018	3.759	3.881	3.748	5.29
87)	C	o-xylene	5.134	5.456	5.454	4.989	5.676	5.670	5.205	5.173	5.345	4.80
88)		1,2,3-trichloropropane	2.796	3.018	2.940	2.661	3.015	3.060	2.863	2.983	2.917	4.64
89)		nonane	4.846	5.102	4.906	4.426	4.966	5.065	4.722	4.972	4.875	4.47
90)	s	bromofluorobenzene	2.569	2.505	2.557	2.762	2.722	2.672	2.876	2.883	2.693	5.34
91)	C	isopropylbenzene	6.375	6.799	6.701	5.905	6.696	6.846	6.442	6.687	6.556	4.72
92)		bromobenzene	3.790	4.082	3.959	3.557	3.960	4.057	3.782	3.996	3.898	4.53
93)		2-chlorotoluene	1.659	1.788	1.737	1.603	1.817	1.840	1.789	1.946	1.772	6.04
94)		n-propylbenzene	1.924	2.086	2.047	1.803	2.066	2.125	2.066	2.212	2.041	6.13
95)		4-chlorotoluene	1.674	1.823	1.779	1.599	1.782	1.896	1.834	1.947	1.792	6.30
96)		4-ethyl toluene	6.857	7.469	7.319	6.065	6.891	6.762	6.382	6.775	6.815	6.66
97)		1,3,5-trimethylbenzene	5.790	6.134	5.902	5.241	5.774	5.713	5.414	5.696	5.708	4.84
98)		tert-butylbenzene	5.848	6.198	6.227	5.500	6.028	6.340	5.901	5.734	5.972	4.71
99)		1,2,4-trimethylbenzene	6.240	6.694	6.552	5.389	6.054	6.094	5.896	5.770	6.086	6.89
100)		decane	5.556	6.074	5.873	5.409	6.135	6.218	5.942	6.040	5.906	4.82
101)	C	Benzyl Chloride	3.514	3.784	4.140	4.051	4.883	5.153	5.201	5.535	4.532	16.56
102)		1,3-dichlorobenzene	3.143	3.484	3.460	3.238	3.755	3.815	3.683	3.933	3.564	7.87
103)	C	1,4-dichlorobenzene	3.260	3.559	3.503	3.172	3.596	3.641	3.615	3.918	3.533	6.57
104)		sec-butylbenzene	7.979	8.743	8.338	7.567	8.458	8.717	8.213	8.208	8.278	4.68
105)		1,2,3-trimethylbenzene	6.553	6.526	6.426	5.843	6.367	6.492	6.210	5.808	6.278	4.77
106)		p-isopropyltoluene	7.915	8.084	8.077	7.269	7.802	7.862	7.320	6.752	7.635	6.20
107)		1,2-dichlorobenzene	3.421	3.683	3.650	3.465	3.931	3.828	3.490	3.363	3.604	5.64
108)		n-butylbenzene	6.420	6.993	6.980	6.459	7.245	7.350	7.057	7.137	6.955	4.91

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB15**	**Ical Ref**	**: ICAL22781**
Calibration dates	**: 10/31/25 02:09 10/31/25 06:38**		

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)		indan	4.923	5.337	5.270	4.539	5.178	5.246	4.731	4.500	4.965	6.85
110)		indene	3.540	3.885	3.892	3.703	4.177	4.249	4.108	4.317	3.984	6.89
111)	C	1,2-dibromo-3-chloropr...	1.518	1.708	1.721	1.636	1.874	1.854	1.831	1.961	1.763	8.18
112)		undecane	6.177	6.983	6.846	6.377	7.209	6.870	6.870	6.762	6.762	4.90
113)		1,2,4,5-tetramethylben...	2.955	3.469	3.622	3.021	3.501	3.666	3.646	3.839	3.465	9.10
114)		dodecane	7.182	7.142	7.144	6.660	7.849	6.499	7.112	7.102	7.086	5.66
115)	C	1,2,4-trichlorobenzene	1.500	2.096	2.332	2.274	2.826	2.531	2.788	3.121	2.433	20.74
116)		naphthalene	1.147	0.897	0.828	0.832	0.899	0.777	0.832	0.862	0.884	12.81
117)		1,2,3-trichlorobenzene	1.483	2.104	2.363	2.167	2.723	2.329	2.718	3.115	2.375	20.76
118)		benzothiophene		0.619	0.711	0.827	1.035	0.779	0.873	0.904	0.821	16.47
119)	C	hexachlorobutadiene	1.518	2.012	2.198	1.998	2.368	2.009	2.242	2.376	2.090	13.32
120)		2-methylnaphthalene			1.221	1.606	2.381	1.311	1.807	2.112	1.740	26.03
121)		1-methylnaphthalene			1.190	1.472	2.164	1.176	1.594	1.918	1.586	24.93

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22798**
Calibration dates	**: 11/06/25 01:43 11/06/25 06:13**		

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoromethane	0.965	1.069	1.029	0.999	1.082	1.000	0.950	0.900	0.999	6.09
3)		propylene		0.689	0.712	0.633	0.738	0.773	0.731	0.751	0.718	6.43
4)		propane		0.849	0.854	0.826	0.871	0.809	0.742	0.704	0.808	7.72
5)		dichlorodifluoromethane	1.425	1.475	1.461	1.455	1.517	1.429	1.288	1.218	1.408	7.23
6)	C	chloromethane	0.656	0.638	0.641	0.667	0.660	0.627	0.589	0.579	0.632	5.16
7)		Freon-114	1.598	1.664	1.634	1.695	1.686	1.582	1.460	1.371	1.586	7.26
8)	C	methanol			0.400	0.459	0.434	0.327	0.301	0.280	0.367	20.27
9)	C	vinyl chloride	0.861	0.870	0.879	0.911	0.895	0.805	0.747	0.710	0.835	8.78
10)	C	1,3-butadiene	0.650	0.615	0.601	0.570	0.573	0.544	0.515	0.496	0.571	9.01
11)		butane	1.340	1.263	1.228	1.237	1.336	1.253	1.193	1.190	1.255	4.56
12)	C	acetaldehyde		0.373	0.364	0.388	0.342	0.300	0.266	0.237	0.324	17.78
13)	C	bromomethane	0.674	0.684	0.662	0.630	0.656	0.591	0.550	0.524	0.621	9.64
14)	C	chloroethane	0.434	0.441	0.443	0.437	0.454	0.407	0.374	0.356	0.418	8.52
15)		ethanol			0.572	0.699	0.713	0.605	0.481	0.377	0.575	22.44
16)		dichlorofluoromethane	1.961	1.659	1.824	1.532	1.843	1.614	1.403	1.435	1.659	12.19
17)	C	vinyl bromide	0.564	0.621	0.590	0.580	0.642	0.697	0.675	0.674	0.630	7.85
18)	C	acrolein		0.401	0.383	0.389	0.434	0.440	0.416	0.401	0.409	5.36
19)		acetone	0.992	0.976	0.972	0.913	0.996	1.027	0.959	0.926	0.970	3.85
20)	C	acetonitrile	0.683	0.771	0.804	0.777	0.875	0.912	0.906	0.922	0.831	10.33
21)		trichlorofluoromethane	1.350	1.387	1.377	1.378	1.495	1.459	1.337	1.280	1.383	4.92
22)		isopropyl alcohol	0.996	1.096	1.078	0.986	1.095	1.227	1.169	1.162	1.101	7.59
23)	C	acrylonitrile	0.624	0.622	0.629	0.655	0.733	0.723	0.675	0.658	0.665	6.48
24)		pentane	1.508	1.531	1.478	1.458	1.605	1.596	1.651	1.524	1.544	4.35
25)		ethyl ether	1.641	1.698	1.744	1.523	2.006	1.912	1.742	1.587	1.732	9.31
26)	C	1,1-dichloroethene	1.119	1.195	1.199	1.189	1.291	1.284	1.196	1.140	1.202	5.04
27)		tertiary butyl alcohol		1.438	1.425	1.506	1.652	1.751	1.651	1.590	1.573	7.74
28)	C	methylene chloride		0.854	0.830	0.811	0.875	0.858	0.791	0.772	0.827	4.57
29)	C	3-chloropropene	1.011	1.029	1.031	0.980	1.097	1.168	1.140	1.150	1.076	6.68
30)	C	carbon disulfide	1.724	1.816	1.857	1.803	1.989	2.126	2.014	1.973	1.913	7.00
31)		Freon 113	1.402	1.439	1.446	1.423	1.574	1.615	1.533	1.458	1.486	5.23
32)		trans-1,2-dichloroethene	1.026	1.108	1.131	1.085	1.187	1.263	1.190	1.144	1.142	6.38
33)	C	1,1-dichloroethane	1.391	1.435	1.435	1.440	1.581	1.634	1.569	1.535	1.503	5.87
34)	C	MTBE	1.496	1.634	1.609	1.572	1.738	1.833	1.773	1.778	1.679	7.03
35)	C	vinyl acetate			1.346	1.350	1.650	1.830	1.869	1.945	1.665	15.87
36)	C	2-butanone		1.426	1.440	1.372	1.637	1.641	1.597	1.607	1.532	7.44

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22798**
Calibration dates	**: 11/06/25 01:43 11/06/25 06:13**		

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)		cis-1,2-dichloroethene	1.037	1.106	1.134	1.125	1.236	1.252	1.184	1.144	1.152	6.09
38)		Ethyl Acetate	0.232	0.241	0.253	0.261	0.302	0.332	0.319	0.304	0.280	13.64
39)	C	chloroform	1.256	1.323	1.341	1.323	1.428	1.387	1.266	1.214	1.317	5.35
40)		Tetrahydrofuran	0.820	0.757	0.751	0.744	0.831	0.899	0.875	0.896	0.822	7.91
41)		2,2-dichloropropane	0.909	0.939	0.958	0.986	1.085	1.038	0.972	0.949	0.980	5.80
42)	C	1,2-dichloroethane	0.865	0.916	0.897	0.901	0.971	0.962	0.883	0.849	0.905	4.75
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.492	0.516	0.489	0.438	0.511	0.537	0.457	0.400	0.480	9.46
45)		diisopropyl ether	0.244	0.262	0.251	0.237	0.279	0.277	0.246	0.225	0.253	7.51
46)		tert-butyl ethyl ether	0.856	0.931	0.893	0.889	1.043	1.047	0.926	0.851	0.929	8.27
47)	s	1,2-dichloroethane-D4	0.269	0.268	0.250	0.240	0.273	0.277	0.254	0.241	0.259	5.65
48)	C	1,1,1-trichloroethane	0.439	0.436	0.416	0.404	0.501	0.470	0.413	0.404	0.435	7.97
49)		1,1-dichloropropene	0.351	0.367	0.351	0.342	0.401	0.405	0.366	0.351	0.367	6.46
50)	C	benzene	0.813	0.852	0.816	0.773	0.892	0.923	0.830	0.785	0.836	6.15
51)		thiophene	0.639	0.680	0.657	0.753	0.864	0.749	0.662	0.615	0.702	11.63
52)	C	carbon tetrachloride	0.346	0.384	0.371	0.357	0.410	0.416	0.369	0.348	0.375	7.09
53)		cyclohexane	0.501	0.530	0.502	0.461	0.536	0.564	0.501	0.460	0.507	7.10
54)		tert-amyl methyl ether	0.618	0.652	0.625	0.635	0.751	0.776	0.728	0.712	0.687	8.99
55)		dibromomethane	0.287	0.302	0.285	0.279	0.327	0.329	0.293	0.268	0.296	7.43
56)	C	1,2-dichloropropane	0.322	0.339	0.325	0.314	0.374	0.399	0.370	0.351	0.349	8.53
57)		bromodichloromethane	0.418	0.447	0.436	0.405	0.470	0.494	0.437	0.408	0.439	7.00
58)	C	1,4-dioxane	0.181	0.190	0.184	0.172	0.207	0.232	0.208	0.196	0.196	9.72
59)	C	trichloroethene	0.360	0.407	0.399	0.385	0.443	0.452	0.403	0.377	0.403	7.82
60)	C	2,2,4-trimethylpentane	1.536	1.650	1.580	1.415	1.625	1.732	1.510	1.363	1.551	7.88
61)		methyl methacrylate		0.315	0.314	0.337	0.407	0.426	0.398	0.391	0.370	12.58
62)		heptane	0.505	0.518	0.496	0.453	0.522	0.565	0.515	0.498	0.509	6.12
63)	C	cis-1,3-dichloropropene	0.337	0.374	0.355	0.351	0.413	0.443	0.411	0.400	0.385	9.54
64)	C	4-methyl-2-pentanone		0.561	0.554	0.549	0.640	0.701	0.643	0.626	0.611	9.43
65)		trans-1,3-dichloropropene	0.232	0.269	0.257	0.248	0.294	0.323	0.298	0.293	0.277	11.04
66)	C	1,1,2-trichloroethane	0.322	0.346	0.337	0.319	0.381	0.403	0.369	0.353	0.354	8.17
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.638	6.671	6.496	6.547	7.216	7.759	7.245	6.556	6.891	6.68
69)	s	toluene-D8	5.872	5.672	5.584	5.911	5.661	6.491	6.842	6.429	6.058	7.71
70)		2-methylthiophene	5.357	5.622	5.475	6.738	7.534	6.923	6.654	6.051	6.294	12.48
71)		1,3-dichloropropane	2.598	2.659	2.607	2.683	3.026	3.195	3.093	2.907	2.846	8.39
72)		2-hexanone	2.185	2.917	3.000	3.232	3.792	4.294	4.189	4.003	3.451	21.39

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22798**
Calibration dates	**: 11/06/25 01:43 11/06/25 06:13**		

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)		3-methylthiophene	5.413	5.582	5.600	6.969	7.684	7.056	6.753	6.051	6.389	13.14
74)		dibromochloromethane	2.574	2.745	2.680	2.773	3.112	3.513	3.372	3.089	2.982	11.48
75)	C	1,2-dibromoethane	2.534	2.663	2.684	2.676	3.000	3.417	3.378	3.193	2.943	11.94
76)		butyl acetate		0.559	0.550	0.612	0.725	0.791	0.788	0.781	0.687	15.93
77)		octane	2.208	2.331	2.331	2.395	2.649	2.742	2.599	2.381	2.455	7.57
78)	C	tetrachloroethene	2.394	2.505	2.474	2.454	2.711	2.981	2.866	2.669	2.632	8.04
79)		1,1,1,2-tetrachloroethane	2.206	2.297	2.291	2.398	2.718	2.863	2.726	2.439	2.492	9.78
80)	C	chlorobenzene	4.647	4.850	4.711	4.762	5.296	5.869	5.748	5.376	5.157	9.37
81)	C	ethylbenzene	0.784	0.823	0.820	0.827	0.933	1.007	0.947	0.847	0.873	8.99
82)		2-ethylthiophene	5.910	6.231	6.250	7.665	8.709	7.982	7.636	6.927	7.164	13.82
83)	C	m+p-xylene	6.478	6.652	6.518	6.674	7.430	7.929	7.343	6.476	6.937	7.97
84)	C	bromoform	1.867	1.982	1.994	2.050	2.416	2.828	2.768	2.622	2.316	16.79
85)	C	styrene	4.023	4.580	4.517	4.745	5.458	6.170	6.174	5.784	5.181	15.88
86)	C	1,1,2,2-tetrachloroethane	4.031	4.378	4.324	4.277	4.782	5.278	5.064	4.587	4.590	9.25
87)	C	o-xylene	6.359	6.843	6.638	6.752	7.490	7.894	7.265	6.153	6.924	8.47
88)		1,2,3-trichloropropane	2.942	3.090	3.054	3.160	3.545	3.741	3.646	3.495	3.334	9.18
89)		nonane	4.212	4.545	4.475	4.675	5.186	5.420	5.274	4.999	4.848	8.93
90)	s	bromofluorobenzene	3.570	3.582	3.667	3.852	3.815	4.002	4.386	4.288	3.895	7.95
91)	C	isopropylbenzene	0.776	0.818	0.815	0.852	0.965	1.023	0.988	0.902	0.892	10.24
92)		bromobenzene	3.865	4.164	4.140	4.237	4.813	4.963	4.862	4.585	4.454	9.09
93)		2-chlorotoluene	2.301	2.391	2.360	2.519	2.833	3.000	2.914	2.791	2.639	10.48
94)		n-propylbenzene	2.392	2.595	2.620	2.824	3.175	3.319	3.236	3.099	2.908	11.90
95)		4-chlorotoluene	2.226	2.419	2.415	2.572	2.903	3.027	2.942	2.787	2.661	11.03
96)		4-ethyl toluene	7.133	7.721	7.626	7.661	8.713	9.890	9.627	8.903	8.409	12.13
97)		1,3,5-trimethylbenzene	6.519	7.007	6.837	6.899	7.658	8.421	8.139	7.633	7.389	9.16
98)		tert-butylbenzene	7.360	7.950	7.894	8.010	8.799	9.135	8.581	7.419	8.144	7.85
99)		1,2,4-trimethylbenzene	6.201	6.836	6.784	7.004	7.853	8.686	8.263	7.005	7.329	11.54
100)		decane	5.653	6.374	6.371	6.759	7.475	7.685	7.116	6.225	6.707	10.21
101)	C	Benzyl Chloride	3.219	3.977	4.290	4.835	5.813	7.044	6.983	6.291	5.306	27.06
102)		1,3-dichlorobenzene	3.465	4.095	4.072	4.290	5.008	5.510	5.470	5.160	4.634	16.26
103)	C	1,4-dichlorobenzene	3.719	3.958	3.943	4.314	4.886	5.506	5.492	5.110	4.616	15.66
104)		sec-butylbenzene	0.939	1.028	1.019	1.078	1.197	1.255	1.216	1.081	1.102	10.03
105)		1,2,3-trimethylbenzene	7.106	7.813	7.639	7.799	8.811	9.095	8.648	7.127	8.005	9.50
106)		p-isopropyltoluene	0.900	0.991	0.966	1.004	1.083	1.109	1.022	0.868	0.993	8.30
107)		1,2-dichlorobenzene	3.879	4.132	4.477	4.830	5.153	5.294	5.194	4.588	4.694	11.04
108)		n-butylbenzene	7.024	7.999	7.956	8.669	9.447	9.639	9.085	8.222	8.505	10.30

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22798**
Calibration dates	**: 11/06/25 01:43 11/06/25 06:13**		

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)	indan	5.564	6.322	6.340	6.291	6.985	7.618	7.365	6.920	6.676	10.03
110)	indene	4.084	4.740	4.763	4.763	5.385	6.012	5.992	5.820	5.195	13.69
111) C	1,2-dibromo-3-chloropr...	1.465	1.603	1.622	1.732	1.919	2.051	2.050	2.062	1.813	13.09
112)	undecane	5.298	6.506	6.487	7.026	7.852	7.624	7.005	6.261	6.757	11.99
113)	1,2,4,5-tetramethylben...	2.148	2.544	2.541	3.470	3.885	2.999	2.998	3.044	2.954	18.69
114)	dodecane	3.766	5.362	5.484	5.878	6.978	6.157	6.041	5.695	5.670	16.17
115) C	1,2,4-trichlorobenzene	1.481	2.221	2.374	2.602	3.250	3.468	3.651	3.822	2.859	28.62
116)	naphthalene	0.719	0.868	0.903	0.952	1.127	1.080	1.100	1.079	0.979	14.63
117)	1,2,3-trichlorobenzene	1.605	2.488	2.560	2.678	3.311	3.130	3.401	3.617	2.849	22.90
118)	benzothiophene	2.654	4.407	4.674	7.296	9.316	7.160	7.703	8.032	6.405	35.02#
119) C	hexachlorobutadiene	1.820	2.460	2.472	2.323	2.609	2.623	2.743	2.744	2.474	12.18
120)	2-methylnaphthalene			0.674	1.361	2.270	1.332	1.677	2.092	1.568	36.94#
121)	1-methylnaphthalene			0.972	2.850	4.414	1.164	1.399	1.719	2.086	63.23#

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22840**
Calibration dates	**: 11/21/25 22:35 11/22/25 03:11**		

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoromethane	1.183	1.193	1.284	1.057	0.967	0.951	0.911	0.823	1.046	15.33
3)		propylene		0.484	0.454	0.395	0.349	0.397	0.374	0.387	0.406	11.57
4)		propane		0.333	0.336	0.286	0.273	0.283	0.275	0.274	0.294	9.47
5)		dichlorodifluoromethane	3.097	2.941	3.061	2.700	2.546	2.572	2.418	2.296	2.704	11.08
6)	C	chloromethane	0.869	0.815	0.826	0.712	0.714	0.726	0.689	0.647	0.750	10.29
7)		Freon-114	3.722	3.589	3.678	3.227	3.160	3.124	2.902	2.527	3.241	12.72
8)	C	methanol			0.229	0.190	0.185	0.189	0.183	0.173	0.192	10.16
9)	C	vinyl chloride	1.185	1.125	1.083	0.968	0.953	0.944	0.881	0.827	0.996	12.41
10)	C	1,3-butadiene	0.754	0.741	0.707	0.583	0.574	0.626	0.589	0.548	0.640	12.76
11)		butane	1.518	1.362	1.297	1.140	1.144	1.143	1.066	0.983	1.207	14.40
13)	C	bromomethane	1.371	1.352	1.369	1.189	1.187	1.183	1.096	0.980	1.216	11.58
14)	C	chloroethane	0.660	0.651	0.643	0.563	0.574	0.567	0.530	0.482	0.584	10.79
15)		ethanol			0.379	0.389	0.378	0.400	0.382	0.385	0.386	2.11
16)		dichlorofluoromethane	2.120	2.071	2.080	1.867	1.856	1.933	1.912	2.029	1.983	5.22
17)	C	vinyl bromide	0.952	0.995	0.957	0.836	0.832	0.956	0.947	0.904	0.922	6.50
18)	C	acrolein		0.336	0.343	0.313	0.317	0.329	0.325	0.313	0.325	3.60
19)		acetone	1.163	1.078	1.064	0.871	0.857	0.946	0.934	0.899	0.977	11.41
20)	C	acetonitrile	0.677	0.556	0.510	0.465	0.462	0.555	0.484	0.472	0.523	13.93
21)		trichlorofluoromethane	3.193	3.146	3.059	2.808	2.755	2.813	2.714	2.588	2.884	7.63
22)		isopropyl alcohol	1.210	1.124	1.101	0.922	0.864	1.009	1.002	0.990	1.028	10.93
23)	C	acrylonitrile	0.636	0.531	0.609	0.526	0.528	0.551	0.564	0.576	0.565	7.11
24)		pentane	1.151	1.256	1.219	1.076	1.044	1.077	1.075	1.081	1.122	6.92
25)		ethyl ether	0.574	0.578	0.545	0.498	0.491	0.512	0.520	0.567	0.536	6.52
26)	C	1,1-dichloroethene	1.874	1.434	1.457	1.576	1.530	1.537	1.466	1.447	1.540	9.35
27)		tertiary butyl alcohol		1.284	1.386	1.374	1.144	1.032	1.037	1.772	1.290	20.02
28)	C	methylene chloride		0.957	0.953	0.827	0.793	0.915	0.886	0.743	0.868	9.50
29)	C	3-chloropropene	0.869	0.769	0.736	0.624	0.601	0.675	0.662	0.655	0.699	12.58
30)	C	carbon disulfide	2.466	2.614	2.530	2.119	2.055	2.283	2.226	2.180	2.309	8.84
31)		Freon 113	2.565	2.582	2.520	2.231	2.165	2.209	2.159	2.087	2.315	8.84
32)		trans-1,2-dichloroethene	1.214	1.218	1.205	1.043	1.026	1.150	1.107	1.058	1.128	7.09
33)	C	1,1-dichloroethane	1.711	1.732	1.684	1.573	1.538	1.557	1.483	1.414	1.587	7.14
34)	C	MTBE	2.634	2.698	2.649	2.209	2.151	2.360	2.252	2.139	2.386	9.95
35)	C	vinyl acetate			1.542	1.068	1.162	1.443	1.514	1.521	1.375	15.02
36)	C	2-butanone		1.363	1.360	1.158	1.132	1.270	1.242	1.204	1.247	7.31
37)		cis-1,2-dichloroethene	1.282	1.295	1.290	1.199	1.184	1.216	1.171	1.116	1.219	5.32

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22840**
Calibration dates	**: 11/21/25 22:35 11/22/25 03:11**		

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
38)		Ethyl Acetate		0.249	0.242	0.219	0.213	0.237	0.240	0.233	0.233	5.52
39)	C	chloroform	2.507	2.435	2.424	2.197	2.136	2.164	2.111	2.052	2.253	7.73
40)		Tetrahydrofuran	0.768	0.772	0.735	0.539	0.538	0.610	0.602	0.588	0.644	15.33
41)		2,2-dichloropropane	1.839	1.851	1.887	1.760	1.741	1.792	1.782	1.782	1.804	2.75
42)	C	1,2-dichloroethane	1.385	1.454	1.393	1.304	1.298	1.330	1.298	1.254	1.340	4.90
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.289	0.287	0.287	0.227	0.237	0.260	0.270	0.270	0.266	8.83
45)		diisopropyl ether	0.213	0.205	0.221	0.201	0.208	0.212	0.212	0.208	0.210	2.89
46)		tert-butyl ethyl ether	0.641	0.628	0.649	0.587	0.605	0.608	0.599	0.586	0.613	3.90
47)	s	1,2-dichloroethane-D4				0.269	0.280	0.278	0.280	0.271	0.276	1.92
48)	C	1,1,1-trichloroethane	0.641	0.619	0.644	0.570	0.593	0.608	0.597	0.650	0.615	4.62
49)		1,1-dichloropropene	0.385	0.375	0.389	0.355	0.375	0.381	0.369	0.355	0.373	3.39
50)	C	benzene	0.782	0.774	0.788	0.698	0.722	0.722	0.695	0.648	0.729	6.81
52)	C	carbon tetrachloride	0.704	0.709	0.714	0.625	0.645	0.665	0.672	0.663	0.675	4.76
53)		cyclohexane	0.314	0.285	0.289	0.233	0.239	0.262	0.259	0.256	0.267	10.20
54)		tert-amyl methyl ether	0.673	0.660	0.673	0.620	0.653	0.679	0.673	0.655	0.661	2.90
55)		dibromomethane	0.347	0.343	0.360	0.330	0.344	0.356	0.352	0.342	0.347	2.70
56)	C	1,2-dichloropropane	0.253	0.231	0.235	0.219	0.223	0.226	0.222	0.219	0.229	4.94
57)		bromodichloromethane	0.560	0.576	0.581	0.493	0.513	0.569	0.567	0.546	0.550	5.75
58)	C	1,4-dioxane	0.162	0.161	0.170	0.147	0.150	0.170	0.169	0.167	0.162	5.53
59)	C	trichloroethene	0.460	0.446	0.468	0.406	0.421	0.427	0.431	0.423	0.435	4.82
60)	C	2,2,4-trimethylpentane	0.896	0.888	0.902	0.732	0.747	0.808	0.802	0.804	0.822	8.08
61)		methyl methacrylate		0.234	0.224	0.206	0.214	0.222	0.228	0.235	0.223	4.81
62)		heptane	0.287	0.263	0.263	0.216	0.225	0.247	0.255	0.261	0.252	8.98
63)	C	cis-1,3-dichloropropene	0.364	0.386	0.393	0.377	0.397	0.414	0.410	0.395	0.392	4.17
64)	C	4-methyl-2-pentanone		0.375	0.380	0.334	0.347	0.377	0.377	0.373	0.366	4.89
65)		trans-1,3-dichloropropene	0.273	0.286	0.312	0.301	0.322	0.336	0.336	0.322	0.311	7.33
66)	C	1,1,2-trichloroethane	0.402	0.361	0.377	0.344	0.356	0.363	0.351	0.330	0.360	6.07
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	7.888	7.523	7.632	6.705	6.716	6.830	6.209	5.880	6.923	10.20
69)	s	toluene-D8			6.647	6.429	6.379	6.517	6.001	5.904	6.313	4.67
71)		1,3-dichloropropane	3.247	3.204	3.319	2.932	2.893	2.959	2.702	2.709	2.996	7.93
72)		2-hexanone	2.499	2.489	2.596	2.285	2.271	2.605	2.589	2.551	2.486	5.44
74)		dibromochloromethane	5.175	4.771	5.078	4.271	4.361	5.040	4.801	4.681	4.772	6.89
75)	C	1,2-dibromoethane	4.349	4.115	4.348	3.940	4.029	4.164	3.883	3.731	4.070	5.37
76)		butyl acetate		0.876	0.858	0.803	0.800	0.837	0.775	0.774	0.818	4.92

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB23**	**Ical Ref**	**: ICAL22840**
Calibration dates	**: 11/21/25 22:35 11/22/25 03:11**		

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
77)		octane	2.234	2.180	2.361	1.993	1.987	2.040	1.914	1.942	2.082	7.63
78)	C	tetrachloroethene	4.765	4.512	4.652	4.087	4.139	4.348	4.205	4.033	4.343	6.30
79)		1,1,1,2-tetrachloroethane	3.606	3.532	3.699	3.357	3.481	3.795	3.698	3.391	3.570	4.39
80)	C	chlorobenzene	6.232	6.153	6.242	5.596	5.664	5.934	5.599	5.229	5.831	6.29
81)	C	ethylbenzene	9.382	9.320	9.567	8.719	8.771	8.976	8.252	7.819	8.851	6.72
83)	C	m+p-xylene	7.427	7.099	7.328	6.444	6.479	6.625	6.357	6.025	6.723	7.48
84)	C	bromoform	4.679	4.631	4.880	4.141	4.334	5.330	5.353	5.003	4.794	9.09
85)	C	styrene	5.527	5.210	5.457	5.138	5.250	5.525	5.178	4.972	5.282	3.81
86)	C	1,1,2,2-tetrachloroethane	5.355	5.148	5.186	4.721	4.789	4.966	4.794	4.181	4.893	7.44
87)	C	o-xylene	7.592	7.074	7.347	6.510	6.595	6.836	6.613	5.795	6.795	8.20
88)		1,2,3-trichloropropane	3.711	3.497	3.669	3.267	3.265	3.397	3.251	3.315	3.422	5.41
89)		nonane	2.972	2.725	2.867	2.568	2.590	2.758	2.867	2.840	2.774	5.10
90)	s	bromofluorobenzene			3.521	3.552	3.489	3.624	3.566	3.515	3.545	1.34
91)	C	isopropylbenzene	0.992	0.973	1.005	0.932	0.950	1.006	0.936	0.861	0.957	5.07
92)		bromobenzene	4.550	4.482	4.553	4.093	4.116	4.335	4.233	4.243	4.326	4.28
93)		2-chlorotoluene	2.780	2.718	2.958	2.722	2.687	3.011	2.824	2.803	2.813	4.14
94)		n-propylbenzene	2.852	2.850	2.937	2.725	2.769	2.980	2.886	2.845	2.855	2.89
95)		4-chlorotoluene	2.667	2.634	2.634	2.390	2.560	2.712	2.719	2.678	2.624	4.09
96)		4-ethyl toluene	9.408	9.070	9.551	8.429	8.232	9.592	8.836	8.377	8.937	6.16
97)		1,3,5-trimethylbenzene	7.929	7.580	7.848	7.059	7.484	7.667	7.525	7.133	7.528	4.09
98)		tert-butylbenzene	9.468	9.138	9.441	8.817	9.160	9.914	9.368	7.104	9.051	9.37
99)		1,2,4-trimethylbenzene	8.122	8.053	8.415	7.944	8.204	8.718	8.478	6.417	8.044	8.75
100)		decane	3.554	3.330	3.578	3.342	3.401	3.689	3.892	3.767	3.569	5.75
101)	C	Benzyl Chloride	4.399	4.691	5.023	5.349	5.814	6.896	7.214	6.576	5.745	18.35
102)		1,3-dichlorobenzene	6.237	6.101	6.551	6.191	6.213	6.869	6.899	6.025	6.386	5.38
103)	C	1,4-dichlorobenzene	5.982	5.988	6.140	5.752	6.120	6.550	6.470	5.941	6.118	4.42
104)		sec-butylbenzene	1.223	1.210	1.241	1.116	1.124	1.186	1.119	0.998	1.152	6.90
106)		p-isopropyltoluene	1.113	1.103	1.128	1.083	1.131	1.224	1.150	0.810	1.093	11.16
107)		1,2-dichlorobenzene	5.969	5.620	5.970	5.791	5.931	6.467	6.476	6.066	6.036	4.98
108)		n-butylbenzene	8.784	8.680	9.116	8.724	8.963	9.332	8.943	8.052	8.824	4.30
111)	C	1,2-dibromo-3-chloropr...	2.003	2.084	2.214	2.316	2.431	2.618	2.750	2.744	2.395	12.11
112)		undecane	6.033	5.556	5.941	5.177	5.578	6.106	5.021	4.029	5.430	12.67
114)		dodecane	2.520	3.017	3.203	3.730	3.928	4.176	4.129	3.825	3.566	16.56
115)	C	1,2,4-trichlorobenzene	3.399	4.004	4.485	5.400	5.946	6.479	6.819	5.971	5.313	23.09
116)		naphthalene	0.718	0.869	0.986	1.214	1.294	1.291	1.236	1.101	1.089	19.54
117)		1,2,3-trichlorobenzene	3.541	4.071	4.461	5.367	5.886	6.162	6.547	5.530	5.196	20.47

Initial Calibration Summary
Form 6
Air Volatiles

Client	:	**Stantec**	**Lab Number**	:	**L2577500**
Project Name	:	**BELLE HARBOR**	**Project Number**	:	**195601412**
Instrument ID	:	**AIRLAB23**	**Ical Ref**	:	**ICAL22840**
Calibration dates	:	**11/21/25 22:35 11/22/25 03:11**			

Calibration Files

0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D

50 =R236990.D 100 =R236991.D

	Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
119) C	hexachlorobutadiene	3.541	4.024	4.209	4.659	5.039	5.453	5.813	4.378	4.640	16.37

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Method File : TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	0.965	1.069	1.029	0.999	1.082	1.000	0.950	0.900	0.999	6.09
3)		propylene		0.689	0.712	0.633	0.738	0.773	0.731	0.751	0.718	6.43
4)		propane		0.849	0.854	0.826	0.871	0.809	0.742	0.704	0.808	7.72
5)		dichlorodifluo...	1.425	1.475	1.461	1.455	1.517	1.429	1.288	1.218	1.408	7.23
6)	C	chloromethane	0.656	0.638	0.641	0.667	0.660	0.627	0.589	0.579	0.632	5.16
7)		Freon-114	1.598	1.664	1.634	1.695	1.686	1.582	1.460	1.371	1.586	7.26
8)	C	methanol			0.400	0.459	0.434	0.327	0.301	0.280	0.367	20.27
9)	C	vinyl chloride	0.861	0.870	0.879	0.911	0.895	0.805	0.747	0.710	0.835	8.78
10)	C	1,3-butadiene	0.650	0.615	0.601	0.570	0.573	0.544	0.515	0.496	0.571	9.01
11)		butane	1.340	1.263	1.228	1.237	1.336	1.253	1.193	1.190	1.255	4.56
12)	C	acetaldehyde		0.373	0.364	0.388	0.342	0.300	0.266	0.237	0.324	17.78
13)	C	bromomethane	0.674	0.684	0.662	0.630	0.656	0.591	0.550	0.524	0.621	9.64
14)	C	chloroethane	0.434	0.441	0.443	0.437	0.454	0.407	0.374	0.356	0.418	8.52
15)		ethanol			0.572	0.699	0.713	0.605	0.481	0.377	0.575	22.44
16)		dichlorofluoro...	1.961	1.659	1.824	1.532	1.843	1.614	1.403	1.435	1.659	12.19
17)	C	vinyl bromide	0.564	0.621	0.590	0.580	0.642	0.697	0.675	0.674	0.630	7.85
18)	C	acrolein		0.401	0.383	0.389	0.434	0.440	0.416	0.401	0.409	5.36
19)		acetone	0.992	0.976	0.972	0.913	0.996	1.027	0.959	0.926	0.970	3.85
20)	C	acetonitrile	0.683	0.771	0.804	0.777	0.875	0.912	0.906	0.922	0.831	10.33
21)		trichlorofluor...	1.350	1.387	1.377	1.378	1.495	1.459	1.337	1.280	1.383	4.92
22)		isopropyl alcohol	0.996	1.096	1.078	0.986	1.095	1.227	1.169	1.162	1.101	7.59
23)	C	acrylonitrile	0.624	0.622	0.629	0.655	0.733	0.723	0.675	0.658	0.665	6.48
24)		pentane	1.508	1.531	1.478	1.458	1.605	1.596	1.651	1.524	1.544	4.35
25)		ethyl ether	1.641	1.698	1.744	1.523	2.006	1.912	1.742	1.587	1.732	9.31
26)	C	1,1-dichloroet...	1.119	1.195	1.199	1.189	1.291	1.284	1.196	1.140	1.202	5.04
27)		tertiary butyl...		1.438	1.425	1.506	1.652	1.751	1.651	1.590	1.573	7.74
28)	C	methylene chlo...		0.854	0.830	0.811	0.875	0.858	0.791	0.772	0.827	4.57
29)	C	3-chloropropene	1.011	1.029	1.031	0.980	1.097	1.168	1.140	1.150	1.076	6.68
30)	C	carbon disulfide	1.724	1.816	1.857	1.803	1.989	2.126	2.014	1.973	1.913	7.00
31)		Freon 113	1.402	1.439	1.446	1.423	1.574	1.615	1.533	1.458	1.486	5.23

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Method File : TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dich...	1.026	1.108	1.131	1.085	1.187	1.263	1.190	1.144	1.142	6.38
33)	C	1,1-dichloroet...	1.391	1.435	1.435	1.440	1.581	1.634	1.569	1.535	1.503	5.87
34)	C	MTBE	1.496	1.634	1.609	1.572	1.738	1.833	1.773	1.778	1.679	7.03
35)	C	vinyl acetate			1.346	1.350	1.650	1.830	1.869	1.945	1.665	15.87
36)	C	2-butanone			1.426	1.440	1.372	1.637	1.641	1.597	1.607	1.532	7.44
37)		cis-1,2-dichlo...	1.037	1.106	1.134	1.125	1.236	1.252	1.184	1.144	1.152	6.09
38)		Ethyl Acetate	0.232	0.241	0.253	0.261	0.302	0.332	0.319	0.304	0.280	13.64
39)	C	chloroform	1.256	1.323	1.341	1.323	1.428	1.387	1.266	1.214	1.317	5.35
40)		Tetrahydrofuran	0.820	0.757	0.751	0.744	0.831	0.899	0.875	0.896	0.822	7.91
41)		2,2-dichloropr...	0.909	0.939	0.958	0.986	1.085	1.038	0.972	0.949	0.980	5.80
42)	C	1,2-dichloroet...	0.865	0.916	0.897	0.901	0.971	0.962	0.883	0.849	0.905	4.75
43)	I	1,4-difluorobenzene	ISTD									
44)	C	hexane	0.492	0.516	0.489	0.438	0.511	0.537	0.457	0.400	0.480	9.46
45)		diisopropyl ether	0.244	0.262	0.251	0.237	0.279	0.277	0.246	0.225	0.253	7.51
46)		tert-butyl eth...	0.856	0.931	0.893	0.889	1.043	1.047	0.926	0.851	0.929	8.27
47)	s	1,2-dichloroet...	0.269	0.268	0.250	0.240	0.273	0.277	0.254	0.241	0.259	5.65
48)	C	1,1,1-trichlor...	0.439	0.436	0.416	0.404	0.501	0.470	0.413	0.404	0.435	7.97
49)		1,1-dichloropr...	0.351	0.367	0.351	0.342	0.401	0.405	0.366	0.351	0.367	6.46
50)	C	benzene	0.813	0.852	0.816	0.773	0.892	0.923	0.830	0.785	0.836	6.15
51)		thiophene	0.639	0.680	0.657	0.753	0.864	0.749	0.662	0.615	0.702	11.63
52)	C	carbon tetrach...	0.346	0.384	0.371	0.357	0.410	0.416	0.369	0.348	0.375	7.09
53)		cyclohexane	0.501	0.530	0.502	0.461	0.536	0.564	0.501	0.460	0.507	7.10
54)		tert-amyl meth...	0.618	0.652	0.625	0.635	0.751	0.776	0.728	0.712	0.687	8.99
55)		dibromomethane	0.287	0.302	0.285	0.279	0.327	0.329	0.293	0.268	0.296	7.43
56)	C	1,2-dichloropr...	0.322	0.339	0.325	0.314	0.374	0.399	0.370	0.351	0.349	8.53
57)		bromodichlorom...	0.418	0.447	0.436	0.405	0.470	0.494	0.437	0.408	0.439	7.00
58)	C	1,4-dioxane	0.181	0.190	0.184	0.172	0.207	0.232	0.208	0.196	0.196	9.72
59)	C	trichloroethene	0.360	0.407	0.399	0.385	0.443	0.452	0.403	0.377	0.403	7.82
60)	C	2,2,4-trimethy...	1.536	1.650	1.580	1.415	1.625	1.732	1.510	1.363	1.551	7.88
61)		methyl methacr...			0.315	0.314	0.337	0.407	0.426	0.398	0.391	0.370	12.58
62)		heptane	0.505	0.518	0.496	0.453	0.522	0.565	0.515	0.498	0.509	6.12

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Method File : TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichlo...	0.337	0.374	0.355	0.351	0.413	0.443	0.411	0.400	0.385	9.54
64)	C	4-methyl-2-pen...		0.561	0.554	0.549	0.640	0.701	0.643	0.626	0.611	9.43
65)		trans-1,3-dich...	0.232	0.269	0.257	0.248	0.294	0.323	0.298	0.293	0.277	11.04
66)	C	1,1,2-trichlor...	0.322	0.346	0.337	0.319	0.381	0.403	0.369	0.353	0.354	8.17
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	6.638	6.671	6.496	6.547	7.216	7.759	7.245	6.556	6.891	6.68
69)	s	toluene-D8	5.872	5.672	5.584	5.911	5.661	6.491	6.842	6.429	6.058	7.71
70)		2-methylthiophene	5.357	5.622	5.475	6.738	7.534	6.923	6.654	6.051	6.294	12.48
71)		1,3-dichloropr...	2.598	2.659	2.607	2.683	3.026	3.195	3.093	2.907	2.846	8.39
72)		2-hexanone	2.185	2.917	3.000	3.232	3.792	4.294	4.189	4.003	3.451	21.39
73)		3-methylthiophene	5.413	5.582	5.600	6.969	7.684	7.056	6.753	6.051	6.389	13.14
74)		dibromochlorom...	2.574	2.745	2.680	2.773	3.112	3.513	3.372	3.089	2.982	11.48
75)	C	1,2-dibromoethane	2.534	2.663	2.684	2.676	3.000	3.417	3.378	3.193	2.943	11.94
76)		butyl acetate		0.559	0.550	0.612	0.725	0.791	0.788	0.781	0.687	15.93
77)		octane	2.208	2.331	2.331	2.395	2.649	2.742	2.599	2.381	2.455	7.57
78)	C	tetrachloroethene	2.394	2.505	2.474	2.454	2.711	2.981	2.866	2.669	2.632	8.04
79)		1,1,1,2-tetrac...	2.206	2.297	2.291	2.398	2.718	2.863	2.726	2.439	2.492	9.78
80)	C	chlorobenzene	4.647	4.850	4.711	4.762	5.296	5.869	5.748	5.376	5.157	9.37
81)	C	ethylbenzene	0.784	0.823	0.820	0.827	0.933	1.007	0.947	0.847	0.873	8.99
82)		2-ethylthiophene	5.910	6.231	6.250	7.665	8.709	7.982	7.636	6.927	7.164	13.82
83)	C	m+p-xylene	6.478	6.652	6.518	6.674	7.430	7.929	7.343	6.476	6.937	7.97
84)	C	bromoform	1.867	1.982	1.994	2.050	2.416	2.828	2.768	2.622	2.316	16.79
85)	C	styrene	4.023	4.580	4.517	4.745	5.458	6.170	6.174	5.784	5.181	15.88
86)	C	1,1,2,2-tetrac...	4.031	4.378	4.324	4.277	4.782	5.278	5.064	4.587	4.590	9.25
87)	C	o-xylene	6.359	6.843	6.638	6.752	7.490	7.894	7.265	6.153	6.924	8.47
88)		1,2,3-trichlor...	2.942	3.090	3.054	3.160	3.545	3.741	3.646	3.495	3.334	9.18
89)		nonane	4.212	4.545	4.475	4.675	5.186	5.420	5.274	4.999	4.848	8.93
90)	s	bromofluoroben...	3.570	3.582	3.667	3.852	3.815	4.002	4.386	4.288	3.895	7.95
91)	C	isopropylbenzene	0.776	0.818	0.815	0.852	0.965	1.023	0.988	0.902	0.892	10.24
92)		bromobenzene	3.865	4.164	4.140	4.237	4.813	4.963	4.862	4.585	4.454	9.09
93)		2-chlorotoluene	2.301	2.391	2.360	2.519	2.833	3.000	2.914	2.791	2.639	10.48

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Method File : TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1752223.D 0.5 =r1752224.D 1.0 =r1752225.D 5.0 =r1752226.D 10 =r1752227.D 20 =r1752228.D
50 =r1752229.D 100 =r1752230.D

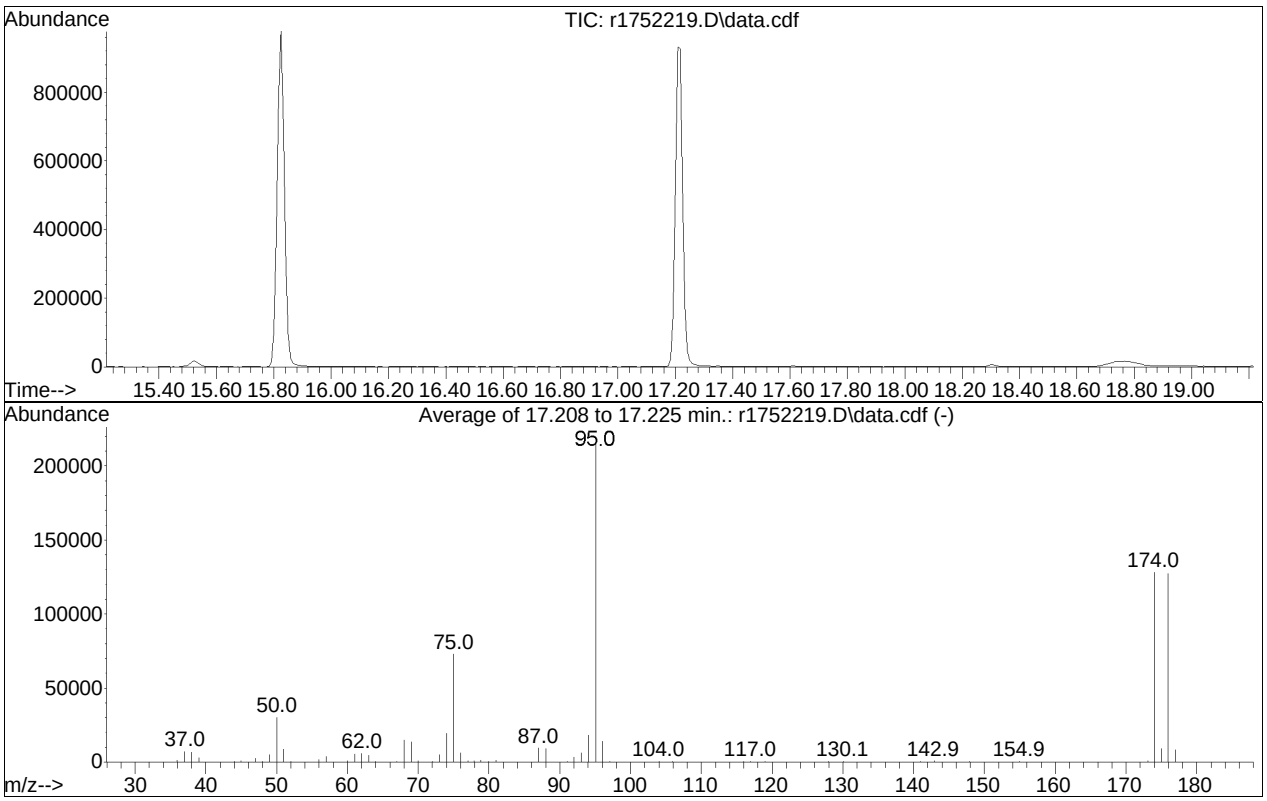
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	2.392	2.595	2.620	2.824	3.175	3.319	3.236	3.099	2.908	11.90
95)		4-chlorotoluene	2.226	2.419	2.415	2.572	2.903	3.027	2.942	2.787	2.661	11.03
96)		4-ethyl toluene	7.133	7.721	7.626	7.661	8.713	9.890	9.627	8.903	8.409	12.13
97)		1,3,5-trimethy...	6.519	7.007	6.837	6.899	7.658	8.421	8.139	7.633	7.389	9.16
98)		tert-butylbenzene	7.360	7.950	7.894	8.010	8.799	9.135	8.581	7.419	8.144	7.85
99)		1,2,4-trimethy...	6.201	6.836	6.784	7.004	7.853	8.686	8.263	7.005	7.329	11.54
100)		decane	5.653	6.374	6.371	6.759	7.475	7.685	7.116	6.225	6.707	10.21
101)	C	Benzyl Chloride	3.219	3.977	4.290	4.835	5.813	7.044	6.983	6.291	5.306	27.06
102)		1,3-dichlorobe...	3.465	4.095	4.072	4.290	5.008	5.510	5.470	5.160	4.634	16.26
103)	C	1,4-dichlorobe...	3.719	3.958	3.943	4.314	4.886	5.506	5.492	5.110	4.616	15.66
104)		sec-butylbenzene	0.939	1.028	1.019	1.078	1.197	1.255	1.216	1.081	1.102	10.03
105)		1,2,3-trimethy...	7.106	7.813	7.639	7.799	8.811	9.095	8.648	7.127	8.005	9.50
106)		p-isopropyltol...	0.900	0.991	0.966	1.004	1.083	1.109	1.022	0.868	0.993	8.30
107)		1,2-dichlorobe...	3.879	4.132	4.477	4.830	5.153	5.294	5.194	4.588	4.694	11.04
108)		n-butylbenzene	7.024	7.999	7.956	8.669	9.447	9.639	9.085	8.222	8.505	10.30
109)		indan	5.564	6.322	6.340	6.291	6.985	7.618	7.365	6.920	6.676	10.03
110)		indene	4.084	4.740	4.763	4.763	5.385	6.012	5.992	5.820	5.195	13.69
111)	C	1,2-dibromo-3-...	1.465	1.603	1.622	1.732	1.919	2.051	2.050	2.062	1.813	13.09
112)		undecane	5.298	6.506	6.487	7.026	7.852	7.624	7.005	6.261	6.757	11.99
113)		1,2,4,5-tetram...	2.148	2.544	2.541	3.470	3.885	2.999	2.998	3.044	2.954	18.69
114)		dodecane	3.766	5.362	5.484	5.878	6.978	6.157	6.041	5.695	5.670	16.17
115)	C	1,2,4-trichlor...	1.481	2.221	2.374	2.602	3.250	3.468	3.651	3.822	2.859	28.62
116)		naphthalene	0.719	0.868	0.903	0.952	1.127	1.080	1.100	1.079	0.979	14.63
117)		1,2,3-trichlor...	1.605	2.488	2.560	2.678	3.311	3.130	3.401	3.617	2.849	22.90
118)		benzothiophene	2.654	4.407	4.674	7.296	9.316	7.160	7.703	8.032	6.405	35.02#
119)	C	hexachlorobuta...	1.820	2.460	2.472	2.323	2.609	2.623	2.743	2.744	2.474	12.18
120)		2-methylnaphth...			0.674	1.361	2.270	1.332	1.677	2.092	1.568	36.94#
121)		1-methylnaphth...			0.972	2.850	4.414	1.164	1.399	1.719	2.086	63.23#

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752219.D
Acq On : 5 Nov 2025 11:19 PM
Operator : AIRLAB17:BJB
Sample : WG2138291-1,3,250,250
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025



Spectrum Information: Average of 17.208 to 17.225 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.0	30110	PASS
75	95	30	66	33.8	72915	PASS
95	95	100	100	100.0	215760	PASS
96	95	5	9	6.5	14037	PASS
173	174	0.00	2	0.7	890	PASS
174	95	50	120	59.4	128138	PASS
175	174	4	9	7.2	9227	PASS
176	174	93	101	99.4	127312	PASS
177	176	5	9	6.5	8325	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752223.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:43 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.858	49	278460	10.000	ppbV	0.02
Standard Area = 268469			Recovery = 103.72%			
43) 1,4-difluorobenzene	11.070	114	776661	10.000	ppbV	0.02
Standard Area = 776598			Recovery = 100.01%			
67) chlorobenzene-D5	15.825	54	127091	10.000	ppbV	0.02
Standard Area = 127489			Recovery = 99.69%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.708	65	208544	9.837	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.37%			
69) toluene-D8	13.917	98	746316	10.374	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.74%			
90) bromofluorobenzene	17.208	95	453762	9.359	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.59%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.802	51	5374	0.178	ppbV #	93
3) propylene	3.832	41	4293M6	0.209	ppbV	
4) propane	3.856	29	4779	0.197	ppbV	97
5) dichlorodifluoromethane	3.898	85	7934	0.188	ppbV	97
6) chloromethane	4.054	50	3652	0.199	ppbV	99
7) Freon-114	4.156	85	8900	0.190	ppbV	96
8) methanol	4.222	31	10716	0.887	ppbV #	43
9) vinyl chloride	4.270	62	4796	0.193	ppbV	99
10) 1,3-butadiene	4.414	54	3622	0.227	ppbV	89
11) butane	4.468	43	7462	0.201	ppbV #	85
12) acetaldehyde	4.180	29	10645	1.119	ppbV #	52
13) bromomethane	4.678	94	3753	0.205	ppbV	88
14) chloroethane	4.864	64	2418	0.191	ppbV #	89
15) ethanol	4.990	31	19852	1.000	ppbV	90
16) dichlorofluoromethane	4.966	67	10920	0.213	ppbV	96
17) vinyl bromide	5.223	106	3140	0.176	ppbV	97
18) acrolein	5.353	56	2166	0.179	ppbV #	70
19) acetone	5.497	43	27617	0.996	ppbV #	97
20) acetonitrile	5.210	41	3804M4	0.156	ppbV	
21) trichlorofluoromethane	5.670	101	7519	0.181	ppbV	93
22) isopropyl alcohol	5.767	45	13873	0.455	ppbV	99
23) acrylonitrile	5.987	53	3475	0.170	ppbV	92
24) pentane	6.063	43	8398	0.188	ppbV	95

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752223.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:43 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.097	31	9140	0.164	ppbV		96
26) 1,1-dichloroethene	6.348	61	6231	0.173	ppbV		87
27) tertiary butyl alcohol	6.420	59	7344	0.160	ppbV	#	94
28) methylene chloride	6.492	49	4877	0.200	ppbV		99
29) 3-chloropropene	6.618	41	5628	0.184	ppbV		94
30) carbon disulfide	6.786	76	9602	0.173	ppbV	#	52
31) Freon 113	6.786	101	7806	0.178	ppbV		95
32) trans-1,2-dichloroethene	7.525	61	5713	0.173	ppbV		96
33) 1,1-dichloroethane	7.742	63	7749	0.176	ppbV		95
34) MTBE	7.825	73	8332	0.172	ppbV		93
35) vinyl acetate	7.933	43	7443	0.162	ppbV		96
36) 2-butanone	8.200	43	7950	0.174	ppbV		96
37) cis-1,2-dichloroethene	8.675	61	5775	0.168	ppbV		93
38) Ethyl Acetate	8.967	61	1290	0.153	ppbV	#	42
39) chloroform	9.008	83	6997	0.176	ppbV		95
40) Tetrahydrofuran	9.475	42	4565	0.197	ppbV	#	90
41) 2,2-dichloropropane	9.033	77	5063	0.168	ppbV	#	80
42) 1,2-dichloroethane	9.833	62	4816	0.178	ppbV		97
44) hexane	8.933	57	7648	0.193	ppbV	#	40
45) diisopropyl ether	8.942	87	3795	0.175	ppbV		91
46) tert-butyl ethyl ether	9.550	59	13290	0.164	ppbV		95
48) 1,1,1-trichloroethane	10.125	97	6823	0.175	ppbV		93
49) 1,1-dichloropropene	10.490	75	5456	0.175	ppbV		97
50) benzene	10.650	78	12635	0.182	ppbV		96
51) thiophene	10.790	84	9923	0.148	ppbV		99
52) carbon tetrachloride	10.817	117	5371	0.169	ppbV		91
53) cyclohexane	10.963	56	7785	0.187	ppbV		98
54) tert-amyl methyl ether	11.357	73	9605	0.165	ppbV		96
55) dibromomethane	11.550	93	4462	0.176	ppbV		96
56) 1,2-dichloropropane	11.590	63	4995	0.172	ppbV		88
57) bromodichloromethane	11.810	83	6500	0.178	ppbV		96
58) 1,4-dioxane	11.883	88	2804	0.174	ppbV		99
59) trichloroethene	11.863	130	5593	0.162	ppbV		91
60) 2,2,4-trimethylpentane	11.917	57	23856	0.189	ppbV		97
61) methyl methacrylate	12.123	41	4197	0.133	ppbV		88
62) heptane	12.237	43	7851	0.194	ppbV		98
63) cis-1,3-dichloropropene	12.883	75	5242	0.164	ppbV		92
64) 4-methyl-2-pentanone	12.958	43	7596	0.153	ppbV		91
65) trans-1,3-dichloropropene	13.508	75	3604	0.158	ppbV		92
66) 1,1,2-trichloroethane	13.700	97	5009	0.169	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752223.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:43 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	14.033	91	16873	0.184	ppbV		98
70)	2-methylthiophene	14.100	97	13616	0.142	ppbV	#	87
71)	1,3-dichloropropane	14.058	76	6603	0.172	ppbV		94
72)	2-hexanone	14.375	43	5553M4	0.115	ppbV		
73)	3-methylthiophene	14.300	97	13759	0.141	ppbV	#	96
74)	dibromochloromethane	14.492	129	6543	0.165	ppbV		99
75)	1,2-dibromoethane	14.742	107	6440	0.169	ppbV		94
76)	butyl acetate	15.033	73	920M4	0.100	ppbV		
77)	octane	15.092	85	5613	0.167	ppbV	#	93
78)	tetrachloroethene	15.217	166	6085	0.177	ppbV	#	95
79)	1,1,1,2-tetrachloroethane	15.850	131	5606	0.162	ppbV		98
80)	chlorobenzene	15.858	112	11813	0.176	ppbV		100
81)	ethylbenzene	16.225	91	19919	0.168	ppbV		98
82)	2-ethylthiophene	16.258	97	15023	0.136	ppbV		99
83)	m+p-xylene	16.383	91	32931	0.349	ppbV		99
84)	bromoform	16.450	173	4745	0.155	ppbV		96
85)	styrene	16.717	104	10225	0.147	ppbV		95
86)	1,1,2,2-tetrachloroethane	16.808	83	10245	0.169	ppbV		93
87)	o-xylene	16.808	91	16164	0.170	ppbV		98
88)	1,2,3-trichloropropane	16.925	75	7479	0.166	ppbV		95
89)	nonane	17.017	43	10705	0.162	ppbV		95
91)	isopropylbenzene	17.333	105	19724	0.161	ppbV		96
92)	bromobenzene	17.400	77	9824	0.161	ppbV		93
93)	2-chlorotoluene	17.742	126	5848	0.162	ppbV		96
94)	n-propylbenzene	17.767	120	6081	0.151	ppbV		98
95)	4-chlorotoluene	17.800	126	5657	0.153	ppbV		92
96)	4-ethyl toluene	17.900	105	18132	0.164	ppbV		98
97)	1,3,5-trimethylbenzene	17.958	105	16571	0.170	ppbV		99
98)	tert-butylbenzene	18.308	119	18709	0.167	ppbV		100
99)	1,2,4-trimethylbenzene	18.308	105	15761	0.158	ppbV		92
100)	decane	18.400	57	14368	0.151	ppbV	#	99
101)	Benzyl Chloride	18.433	91	8181	0.111	ppbV		99
102)	1,3-dichlorobenzene	18.442	146	8808M3	0.138	ppbV		
103)	1,4-dichlorobenzene	18.492	146	9454	0.152	ppbV		97
104)	sec-butylbenzene	18.533	105	23873	0.157	ppbV		98
105)	1,2,3-trimethylbenzene	18.658	105	18063	0.161	ppbV		97
106)	p-isopropyltoluene	18.667	119	22870	0.166	ppbV		96
107)	1,2-dichlorobenzene	18.775	146	9860	0.151	ppbV		97
108)	n-butylbenzene	19.017	91	17854	0.149	ppbV		96
109)	indan	18.825	117	14143	0.159	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752223.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:43 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

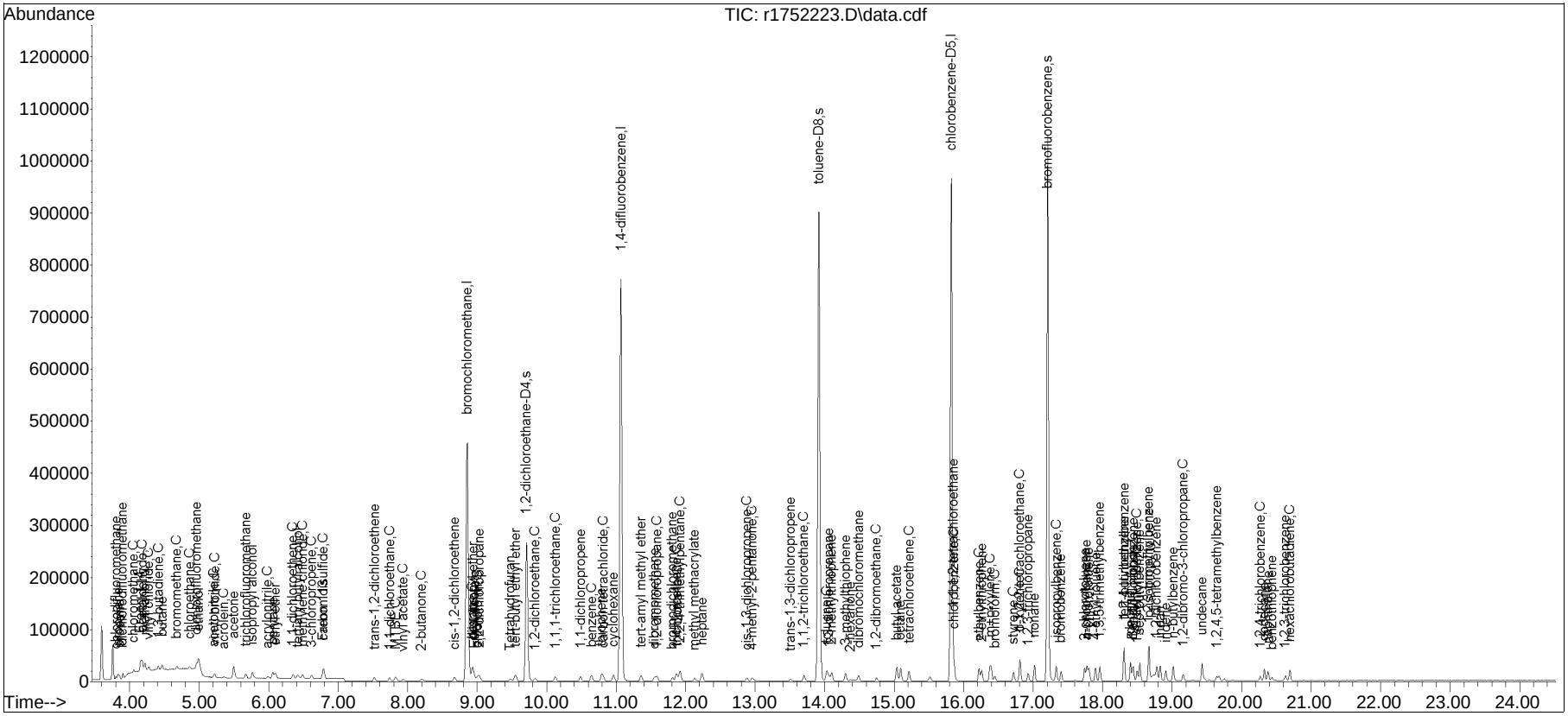
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.908	115	10382	0.152	ppbV	91
111) 1,2-dibromo-3-chloropr...	19.158	75	3724	0.153	ppbV #	84
112) undecane	19.433	57	13467	0.135	ppbV	97
113) 1,2,4,5-tetramethylben...	19.642	119	5461	0.111	ppbV	97
114) dodecane	20.325	57	9572	0.108	ppbV	97
115) 1,2,4-trichlorobenzene	20.267	180	3764	0.091	ppbV	93
116) naphthalene	20.375	128	18268	0.128	ppbV	99
117) 1,2,3-trichlorobenzene	20.625	180	4080	0.097	ppbV	96
118) benzothiophene	20.433	134	6745	0.057	ppbV #	94
119) hexachlorobutadiene	20.692	225	4627	0.140	ppbV	94
120) 2-methylnaphthalene	21.500		0	N.D.		
121) 1-methylnaphthalene	21.700		0	N.D.		

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752223.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

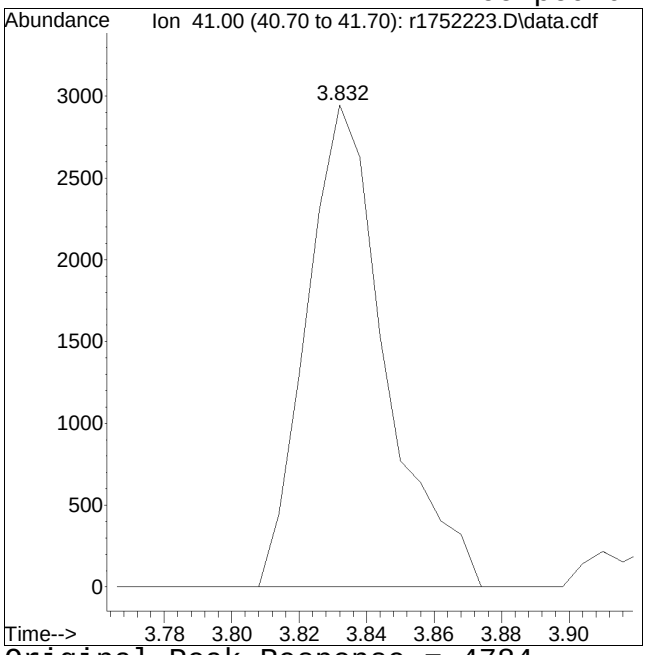
Quant Time: Nov 06 05:28:43 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



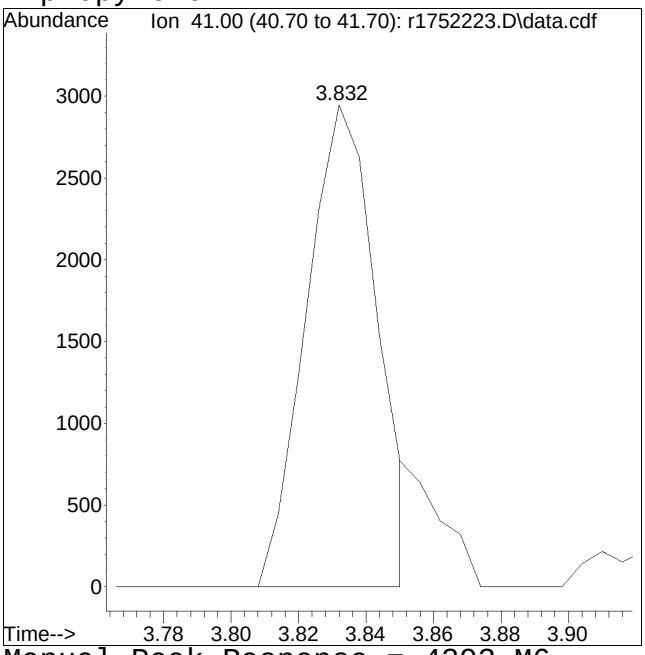
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752223.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:28 am

Compound #3: propylene



Original Peak Response = 4784



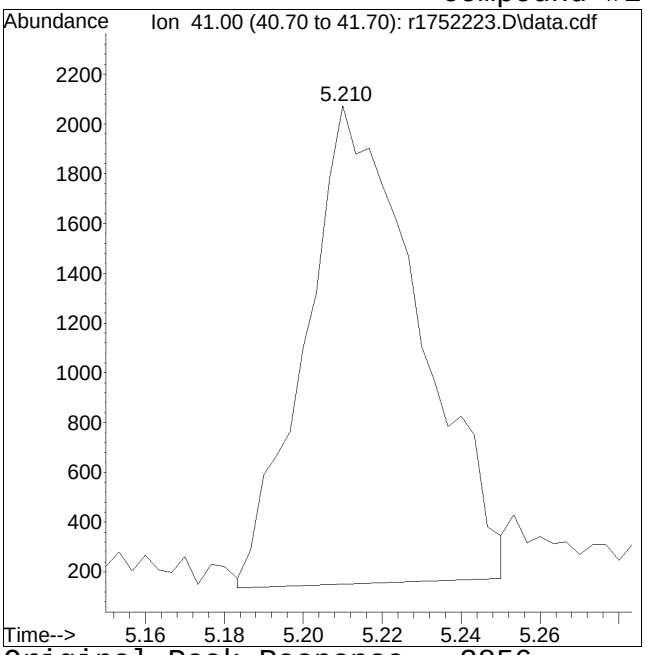
Manual Peak Response = 4293 M6

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

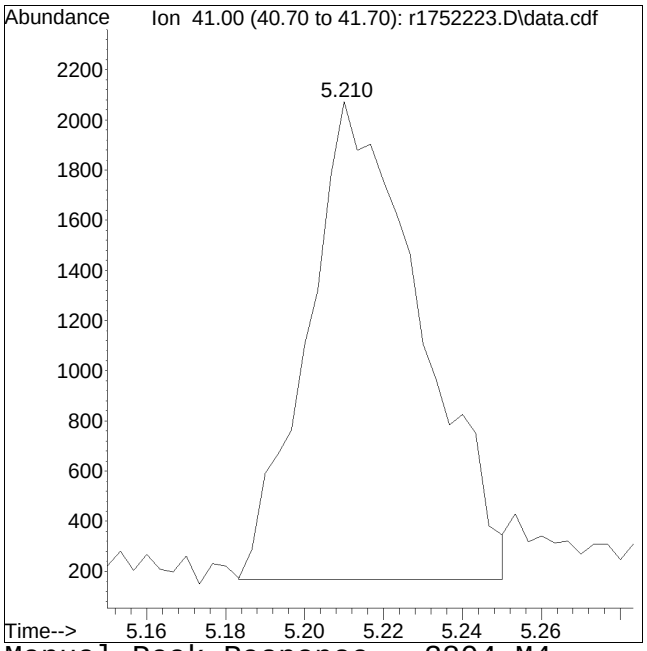
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752223.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:28 am

Compound #20: acetonitrile



Original Peak Response = 3856



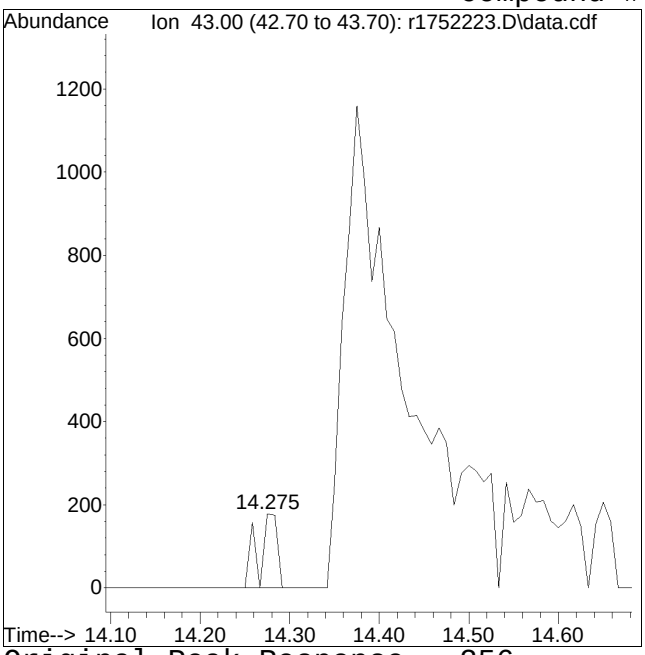
Manual Peak Response = 3804 M4

M4 = Poor automated baseline construction.

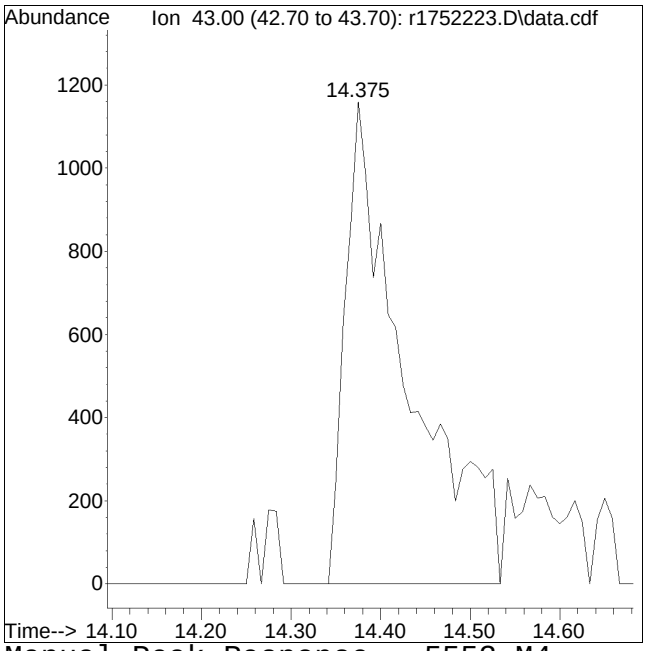
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752223.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:28 am

Compound #72: 2-hexanone



Original Peak Response = 256



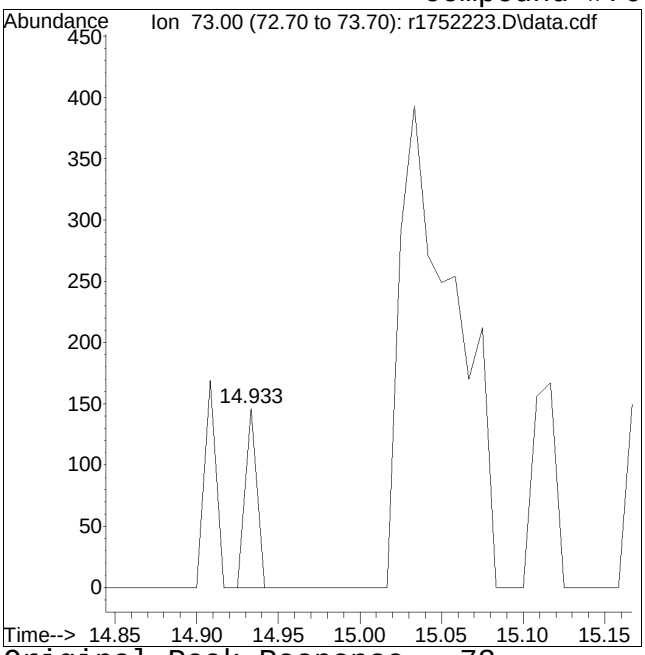
Manual Peak Response = 5553 M4

M4 = Poor automated baseline construction.

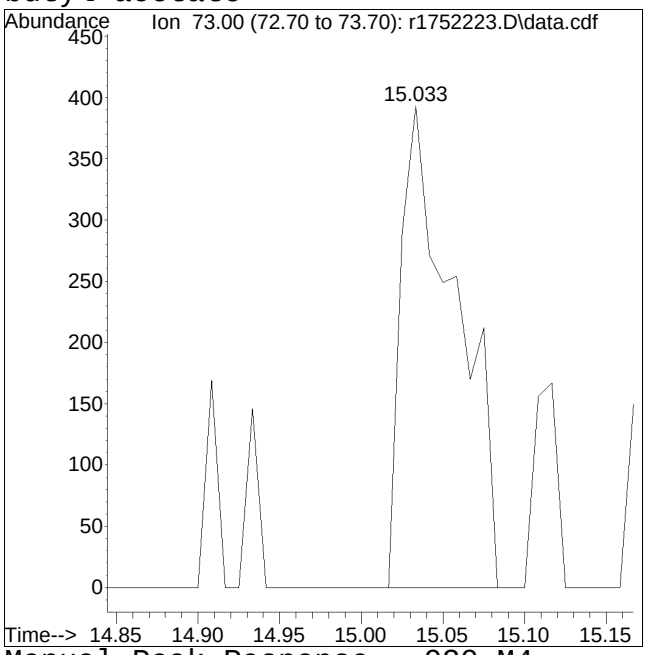
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752223.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:28 am

Compound #76: butyl acetate



Original Peak Response = 73



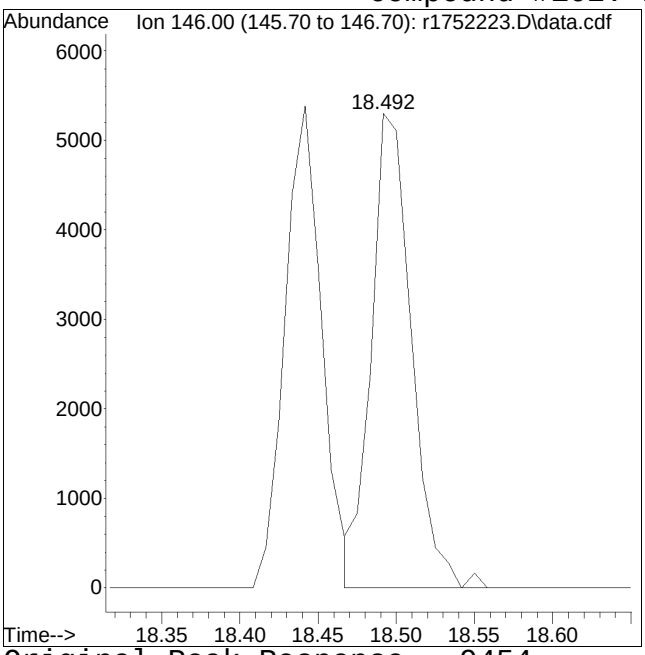
Manual Peak Response = 920 M4

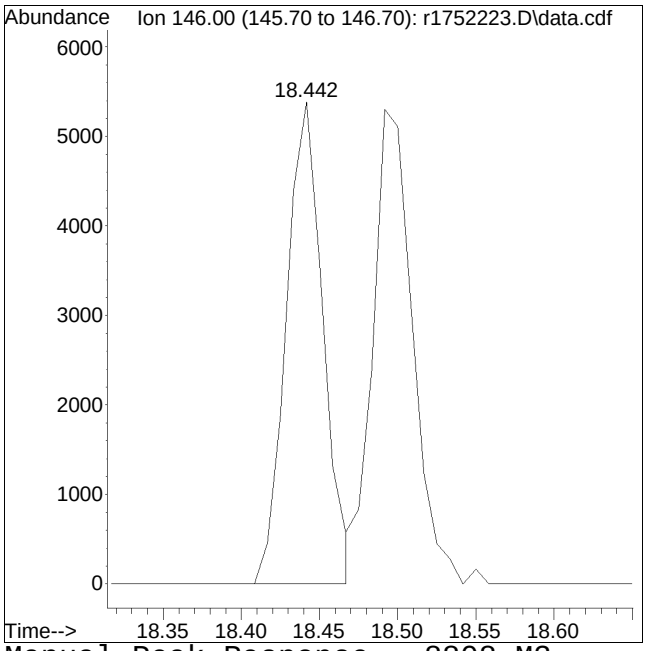
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752223.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:28 am

Compound #102: 1,3-dichlorobenzene





Original Peak Response = 9454 Manual Peak Response = 8808 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\11\1105T_I\
Data File : r1752224.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	281203	10.000	ppbV	0.00
Standard Area = 268469			Recovery = 104.74%			
43) 1,4-difluorobenzene	11.063	114	783270	10.000	ppbV	0.01
Standard Area = 776598			Recovery = 100.86%			
67) chlorobenzene-D5	15.817	54	130874	10.000	ppbV	0.00
Standard Area = 127489			Recovery = 102.66%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.708	65	209604	9.803	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.03%			
69) toluene-D8	13.917	98	742265	10.020	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.20%			
90) bromofluorobenzene	17.208	95	468776	9.389	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.89%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.802	51	15027	0.494	ppbV	99
3) propylene	3.832	41	9692M6	0.467	ppbV	
4) propane	3.850	29	11940	0.487	ppbV #	96
5) dichlorodifluoromethane	3.898	85	20736	0.486	ppbV	97
6) chloromethane	4.054	50	8968	0.483	ppbV	98
7) Freon-114	4.156	85	23390	0.493	ppbV	98
8) methanol	4.210	31	27823	2.279	ppbV #	77
9) vinyl chloride	4.270	62	12236	0.486	ppbV	97
10) 1,3-butadiene	4.408	54	8645	0.536	ppbV	99
11) butane	4.462	43	17753	0.472	ppbV	96
12) acetaldehyde	4.174	29	26248	2.732	ppbV #	80
13) bromomethane	4.678	94	9618	0.521	ppbV	98
14) chloroethane	4.858	64	6205	0.486	ppbV	91
15) ethanol	4.984	31	45954	2.293	ppbV	94
16) dichlorofluoromethane	4.960	67	23331	0.450	ppbV	96
17) vinyl bromide	5.223	106	8738	0.484	ppbV	93
18) acrolein	5.350	56	5643	0.462	ppbV #	89
19) acetone	5.487	43	68623	2.451	ppbV	100
20) acetonitrile	5.210	41	10835	0.440	ppbV	89
21) trichlorofluoromethane	5.670	101	19506	0.464	ppbV	99
22) isopropyl alcohol	5.753	45	38535	1.251	ppbV	99
23) acrylonitrile	5.983	53	8749	0.425	ppbV	99
24) pentane	6.060	43	21533	0.477	ppbV #	98

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752224.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.090	31	23873	0.423	ppbV		99
26) 1,1-dichloroethene	6.348	61	16798	0.463	ppbV		97
27) tertiary butyl alcohol	6.402	59	20214	0.435	ppbV	#	92
28) methylene chloride	6.486	49	12004	0.488	ppbV		98
29) 3-chloropropene	6.612	41	14474	0.469	ppbV		97
30) carbon disulfide	6.786	76	25532	0.456	ppbV	#	78
31) Freon 113	6.786	101	20235	0.457	ppbV		97
32) trans-1,2-dichloroethene	7.517	61	15576	0.467	ppbV		98
33) 1,1-dichloroethane	7.733	63	20180	0.454	ppbV		97
34) MTBE	7.817	73	22981	0.470	ppbV		96
35) vinyl acetate	7.925	43	18899	0.407	ppbV		98
36) 2-butanone	8.183	43	20052	0.436	ppbV		98
37) cis-1,2-dichloroethene	8.675	61	15556	0.448	ppbV		100
38) Ethyl Acetate	8.958	61	3390	0.399	ppbV	#	34
39) chloroform	9.008	83	18604	0.463	ppbV		95
40) Tetrahydrofuran	9.458	42	10648	0.456	ppbV		94
41) 2,2-dichloropropane	9.033	77	13202	0.433	ppbV		89
42) 1,2-dichloroethane	9.833	62	12883	0.472	ppbV		95
44) hexane	8.925	57	20195	0.504	ppbV	#	47
45) diisopropyl ether	8.933	87	10249	0.469	ppbV		98
46) tert-butyl ethyl ether	9.533	59	36446	0.446	ppbV		99
48) 1,1,1-trichloroethane	10.125	97	17067	0.435	ppbV		96
49) 1,1-dichloropropene	10.483	75	14388	0.458	ppbV		96
50) benzene	10.643	78	33364	0.477	ppbV		98
51) thiophene	10.790	84	26634	0.394	ppbV		98
52) carbon tetrachloride	10.817	117	15023	0.468	ppbV		97
53) cyclohexane	10.957	56	20755	0.494	ppbV		99
54) tert-amyl methyl ether	11.343	73	25543	0.434	ppbV		97
55) dibromomethane	11.550	93	11812	0.461	ppbV		93
56) 1,2-dichloropropane	11.583	63	13285	0.454	ppbV		96
57) bromodichloromethane	11.810	83	17506	0.476	ppbV		97
58) 1,4-dioxane	11.870	88	7448	0.459	ppbV		96
59) trichloroethene	11.863	130	15944	0.459	ppbV		95
60) 2,2,4-trimethylpentane	11.917	57	64611	0.508	ppbV		98
61) methyl methacrylate	12.117	41	12319	0.386	ppbV		99
62) heptane	12.237	43	20269	0.496	ppbV		98
63) cis-1,3-dichloropropene	12.875	75	14647	0.453	ppbV		93
64) 4-methyl-2-pentanone	12.933	43	21983	0.438	ppbV		94
65) trans-1,3-dichloropropene	13.500	75	10531	0.457	ppbV		97
66) 1,1,2-trichloroethane	13.700	97	13551	0.455	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752224.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.033	91	43651	0.462	ppbV		97
70) 2-methylthiophene	14.100	97	36787	0.373	ppbV		98
71) 1,3-dichloropropane	14.058	76	17402	0.439	ppbV		96
72) 2-hexanone	14.350	43	19088	0.385	ppbV		97
73) 3-methylthiophene	14.300	97	36527	0.363	ppbV		96
74) dibromochloromethane	14.483	129	17960	0.441	ppbV		99
75) 1,2-dibromoethane	14.742	107	17425	0.444	ppbV		97
76) butyl acetate	15.008	73	3660	0.386	ppbV	#	61
77) octane	15.092	85	15256	0.440	ppbV		88
78) tetrachloroethene	15.208	166	16389	0.462	ppbV		98
79) 1,1,1,2-tetrachloroethane	15.842	131	15029	0.423	ppbV		97
80) chlorobenzene	15.858	112	31739	0.458	ppbV		99
81) ethylbenzene	16.217	91	53851	0.441	ppbV		97
82) 2-ethylthiophene	16.258	97	40773	0.358	ppbV		97
83) m+p-xylene	16.383	91	87054	0.895	ppbV		96
84) bromoform	16.442	173	12969	0.410	ppbV		94
85) styrene	16.708	104	29967	0.420	ppbV		97
86) 1,1,2,2-tetrachloroethane	16.808	83	28647	0.458	ppbV		99
87) o-xylene	16.808	91	44779	0.457	ppbV		95
88) 1,2,3-trichloropropane	16.925	75	20223	0.436	ppbV		97
89) nonane	17.017	43	29743	0.438	ppbV		100
91) isopropylbenzene	17.325	105	53497	0.424	ppbV		94
92) bromobenzene	17.400	77	27250	0.433	ppbV		93
93) 2-chlorotoluene	17.733	126	15649	0.422	ppbV		92
94) n-propylbenzene	17.767	120	16981	0.409	ppbV		85
95) 4-chlorotoluene	17.800	126	15832	0.417	ppbV		98
96) 4-ethyl toluene	17.892	105	50527	0.443	ppbV		98
97) 1,3,5-trimethylbenzene	17.958	105	45854	0.458	ppbV		99
98) tert-butylbenzene	18.300	119	52021	0.452	ppbV		93
99) 1,2,4-trimethylbenzene	18.300	105	44732	0.435	ppbV		90
100) decane	18.392	57	41712	0.426	ppbV		100
101) Benzyl Chloride	18.425	91	26026	0.342	ppbV		97
102) 1,3-dichlorobenzene	18.433	146	26795	0.409	ppbV		93
103) 1,4-dichlorobenzene	18.492	146	25898	0.405	ppbV		94
104) sec-butylbenzene	18.533	105	67248	0.429	ppbV		100
105) 1,2,3-trimethylbenzene	18.658	105	51126	0.443	ppbV		98
106) p-isopropyltoluene	18.658	119	64863	0.457	ppbV		99
107) 1,2-dichlorobenzene	18.775	146	27040	0.401	ppbV	#	91
108) n-butylbenzene	19.008	91	52341	0.423	ppbV		95
109) indan	18.825	117	41366	0.452	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752224.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:28:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

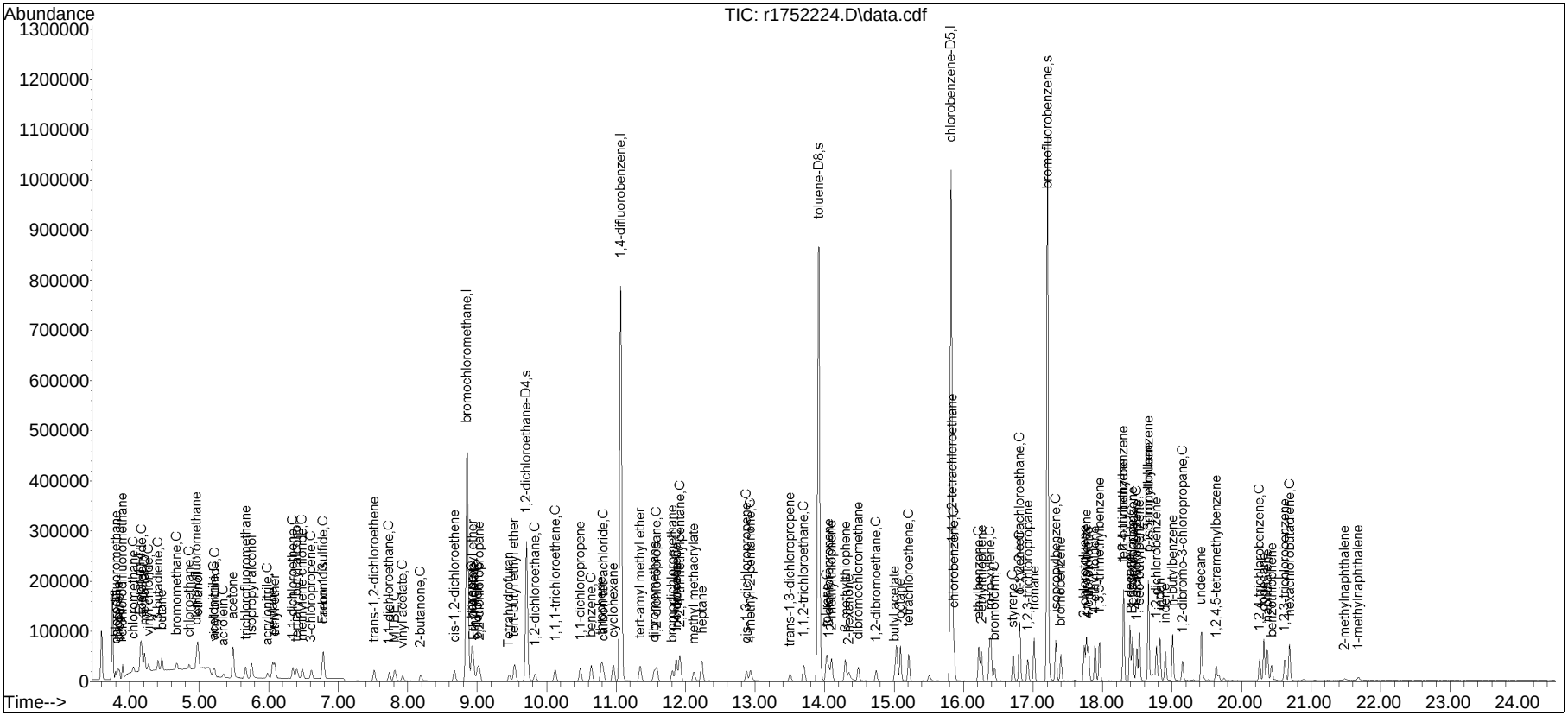
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	18.900	115	31015	0.440	ppbV		98
111) 1,2-dibromo-3-chloropr...	19.150	75	10492	0.418	ppbV		91
112) undecane	19.417	57	42571	0.414	ppbV		97
113) 1,2,4,5-tetramethylben...	19.633	119	16649	0.327	ppbV		99
114) dodecane	20.317	57	35087	0.384	ppbV		97
115) 1,2,4-trichlorobenzene	20.258	180	14536	0.342	ppbV		98
116) naphthalene	20.367	128	56775	0.385	ppbV		100
117) 1,2,3-trichlorobenzene	20.617	180	16281	0.376	ppbV		96
118) benzothiophene	20.433	134	28841	0.237	ppbV	#	98
119) hexachlorobutadiene	20.692	225	16099	0.472	ppbV		94
120) 2-methylnaphthalene	21.483	142	3185	0.107	ppbV	#	92
121) 1-methylnaphthalene	21.675	142	4986	0.086	ppbV	#	92

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752224.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

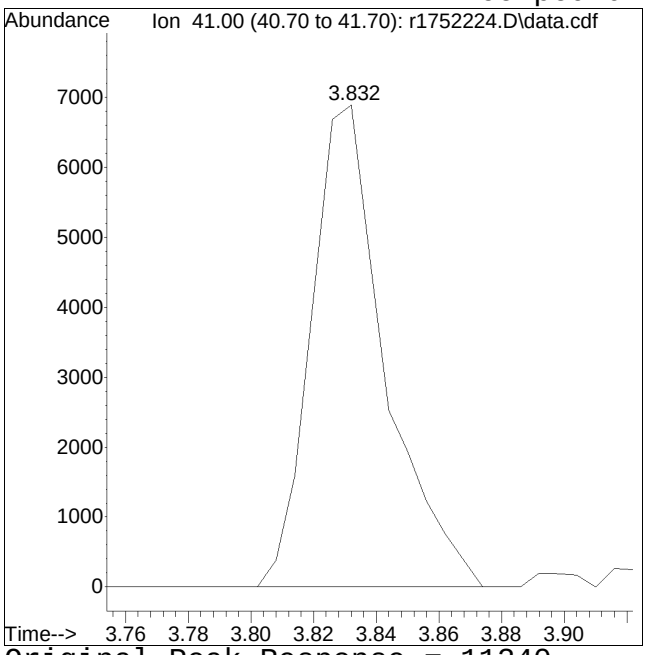
Quant Time: Nov 06 05:28:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



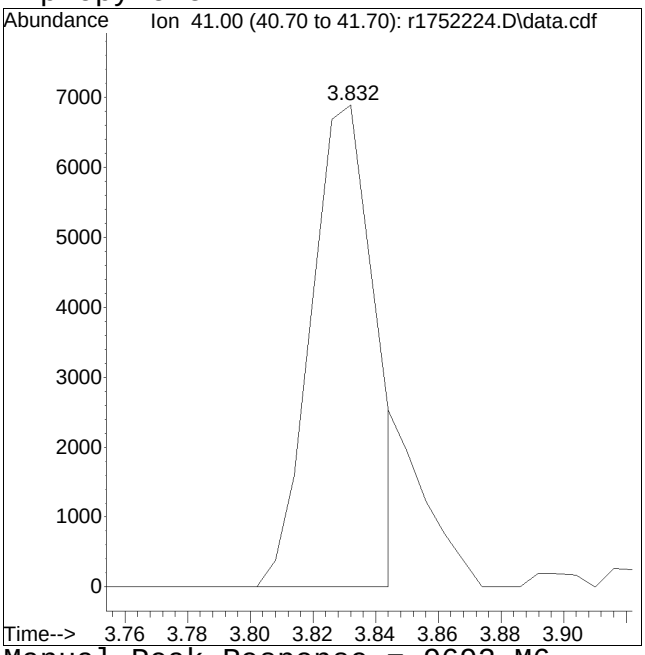
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752224.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 2:20 AM Instrument :
Sample : ITO15-SIMSTD0.5 Quant Date : 11/6/2025 5:28 am

Compound #3: propylene



Original Peak Response = 11240



Manual Peak Response = 9692 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752225.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:06 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	287502	10.000	ppbV	0.00
Standard Area = 268469			Recovery = 107.09%			
43) 1,4-difluorobenzene	11.063	114	841202	10.000	ppbV	0.01
Standard Area = 776598			Recovery = 108.32%			
67) chlorobenzene-D5	15.817	54	138718	10.000	ppbV	0.00
Standard Area = 127489			Recovery = 108.81%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.708	65	210669	9.174	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.74%			
69) toluene-D8	13.908	98	774552	9.864	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.64%			
90) bromofluorobenzene	17.200	95	508689	9.612	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.12%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.796	51	29581	0.951	ppbV	100
3) propylene	3.826	41	20477M6	0.965	ppbV	
4) propane	3.850	29	24564	0.981	ppbV	99
5) dichlorodifluoromethane	3.898	85	42006	0.963	ppbV	100
6) chloromethane	4.054	50	18419	0.970	ppbV	98
7) Freon-114	4.156	85	46977	0.969	ppbV	98
8) methanol	4.210	31	57522	4.609	ppbV	89
9) vinyl chloride	4.270	62	25285	0.983	ppbV	97
10) 1,3-butadiene	4.402	54	17286	1.049	ppbV	94
11) butane	4.462	43	35304	0.919	ppbV	98
12) acetaldehyde	4.168	29	52316	5.326	ppbV	95
13) bromomethane	4.672	94	19046	1.010	ppbV	100
14) chloroethane	4.852	64	12725	0.976	ppbV	93
15) ethanol	4.978	31	82292	4.016	ppbV	99
16) dichlorofluoromethane	4.960	67	52440	0.989	ppbV	99
17) vinyl bromide	5.220	106	16953	0.919	ppbV	95
18) acrolein	5.340	56	11002	0.882	ppbV	94
19) acetone	5.477	43	139776	4.884	ppbV	98
20) acetonitrile	5.200	41	23115	0.919	ppbV	98
21) trichlorofluoromethane	5.667	101	39599	0.921	ppbV	100
22) isopropyl alcohol	5.743	45	77472	2.460	ppbV	100
23) acrylonitrile	5.980	53	18086	0.859	ppbV	97
24) pentane	6.057	43	42484	0.921	ppbV	99

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752225.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:06 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.080	31	50153	0.870	ppbV		98
26) 1,1-dichloroethene	6.348	61	34474	0.929	ppbV		97
27) tertiary butyl alcohol	6.390	59	40979	0.863	ppbV		98
28) methylene chloride	6.480	49	23873	0.949	ppbV		98
29) 3-chloropropene	6.612	41	29633	0.940	ppbV		99
30) carbon disulfide	6.780	76	53381	0.933	ppbV	#	91
31) Freon 113	6.780	101	41585	0.919	ppbV		98
32) trans-1,2-dichloroethene	7.517	61	32529	0.953	ppbV		99
33) 1,1-dichloroethane	7.733	63	41246	0.907	ppbV		97
34) MTBE	7.808	73	46250	0.926	ppbV		99
35) vinyl acetate	7.925	43	38687	0.815	ppbV		100
36) 2-butanone	8.175	43	41403	0.880	ppbV		98
37) cis-1,2-dichloroethene	8.667	61	32612	0.918	ppbV		98
38) Ethyl Acetate	8.950	61	7266	0.837	ppbV	#	56
39) chloroform	9.000	83	38549	0.939	ppbV		98
40) Tetrahydrofuran	9.450	42	21604	0.905	ppbV		95
41) 2,2-dichloropropane	9.025	77	27545	0.883	ppbV		94
42) 1,2-dichloroethane	9.833	62	25787	0.924	ppbV		98
44) hexane	8.925	57	41160	0.957	ppbV	#	64
45) diisopropyl ether	8.925	87	21073	0.898	ppbV		95
46) tert-butyl ethyl ether	9.525	59	75081	0.856	ppbV		99
48) 1,1,1-trichloroethane	10.117	97	34994	0.830	ppbV		98
49) 1,1-dichloropropene	10.477	75	29542	0.876	ppbV		98
50) benzene	10.637	78	68644	0.914	ppbV		99
51) thiophene	10.783	84	55263	0.760	ppbV		98
52) carbon tetrachloride	10.810	117	31168	0.903	ppbV		97
53) cyclohexane	10.957	56	42214	0.936	ppbV		100
54) tert-amyl methyl ether	11.337	73	52608	0.833	ppbV		99
55) dibromomethane	11.543	93	23958	0.871	ppbV		97
56) 1,2-dichloropropane	11.577	63	27366	0.871	ppbV		98
57) bromodichloromethane	11.803	83	36693	0.929	ppbV		99
58) 1,4-dioxane	11.850	88	15514	0.890	ppbV		94
59) trichloroethene	11.857	130	33606	0.901	ppbV		99
60) 2,2,4-trimethylpentane	11.910	57	132944	0.972	ppbV		100
61) methyl methacrylate	12.110	41	26441	0.772	ppbV		99
62) heptane	12.230	43	41756	0.951	ppbV		98
63) cis-1,3-dichloropropene	12.875	75	29843	0.860	ppbV		98
64) 4-methyl-2-pentanone	12.917	43	46569	0.865	ppbV		98
65) trans-1,3-dichloropropene	13.500	75	21593	0.873	ppbV		96
66) 1,1,2-trichloroethane	13.692	97	28365	0.886	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752225.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:06 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.025	91	90112	0.900	ppbV	99
70) 2-methylthiophene	14.092	97	75952	0.727	ppbV	98
71) 1,3-dichloropropane	14.050	76	36170	0.862	ppbV	97
72) 2-hexanone	14.333	43	41612	0.791	ppbV	95
73) 3-methylthiophene	14.292	97	77684	0.729	ppbV	100
74) dibromochloromethane	14.483	129	37175	0.861	ppbV	95
75) 1,2-dibromoethane	14.733	107	37234	0.895	ppbV	95
76) butyl acetate	15.008	73	7635	0.759	ppbV	91
77) octane	15.083	85	32339	0.880	ppbV	96
78) tetrachloroethene	15.208	166	34323	0.913	ppbV	99
79) 1,1,1,2-tetrachloroethane	15.842	131	31774	0.843	ppbV	99
80) chlorobenzene	15.858	112	65344	0.889	ppbV	97
81) ethylbenzene	16.217	91	113812	0.879	ppbV	98
82) 2-ethylthiophene	16.250	97	86705	0.718	ppbV	99
83) m+p-xylene	16.383	91	180831	1.755	ppbV	97
84) bromoform	16.442	173	27661	0.825	ppbV	97
85) styrene	16.708	104	62660	0.828	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.800	83	59982	0.904	ppbV	100
87) o-xylene	16.800	91	92084	0.886	ppbV	99
88) 1,2,3-trichloropropane	16.917	75	42358	0.861	ppbV	98
89) nonane	17.008	43	62076	0.863	ppbV	98
91) isopropylbenzene	17.325	105	112990	0.844	ppbV	98
92) bromobenzene	17.392	77	57430	0.860	ppbV	96
93) 2-chlorotoluene	17.733	126	32734	0.833	ppbV	88
94) n-propylbenzene	17.758	120	36349	0.825	ppbV	97
95) 4-chlorotoluene	17.792	126	33502	0.832	ppbV	95
96) 4-ethyl toluene	17.883	105	105784	0.875	ppbV	97
97) 1,3,5-trimethylbenzene	17.950	105	94836	0.893	ppbV	97
98) tert-butylbenzene	18.292	119	109508	0.897	ppbV	95
99) 1,2,4-trimethylbenzene	18.300	105	94110	0.864	ppbV	93
100) decane	18.383	57	88384	0.852	ppbV	100
101) Benzyl Chloride	18.417	91	59516	0.738	ppbV	99
102) 1,3-dichlorobenzene	18.425	146	56489	0.813	ppbV	96
103) 1,4-dichlorobenzene	18.483	146	54696	0.807	ppbV	97
104) sec-butylbenzene	18.525	105	141419	0.852	ppbV	100
105) 1,2,3-trimethylbenzene	18.650	105	105963	0.867	ppbV	97
106) p-isopropyltoluene	18.650	119	133948	0.891	ppbV	98
107) 1,2-dichlorobenzene	18.767	146	62100	0.869	ppbV	99
108) n-butylbenzene	19.000	91	110370	0.842	ppbV	98
109) indan	18.817	117	87945	0.908	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752225.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:06 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

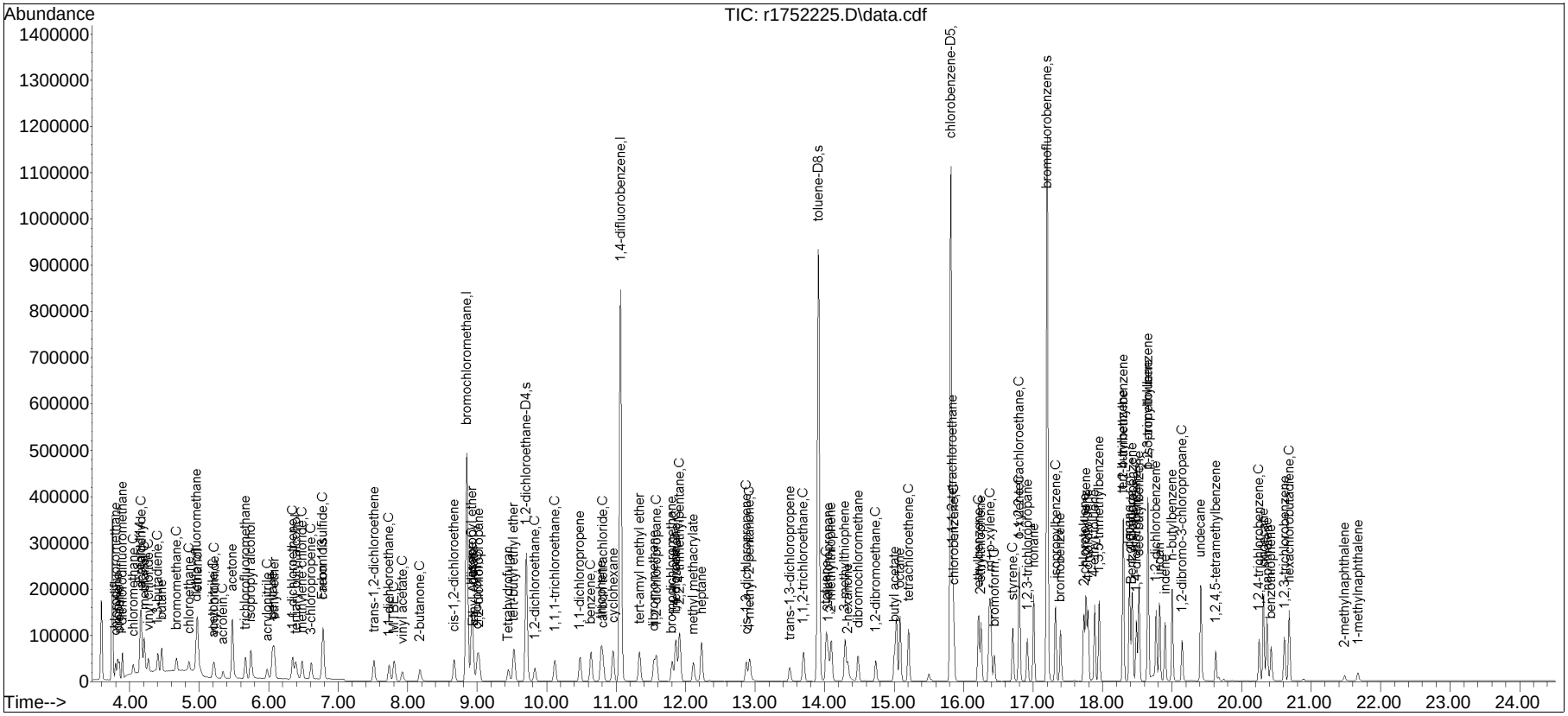
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.900	115	66070	0.884	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.142	75	22499	0.845	ppbV	96
112) undecane	19.408	57	89987	0.826	ppbV	100
113) 1,2,4,5-tetramethylben...	19.625	119	35251	0.654	ppbV	99
114) dodecane	20.317	57	76073	0.786	ppbV	99
115) 1,2,4-trichlorobenzene	20.250	180	32934	0.731	ppbV	96
116) naphthalene	20.367	128	125282	0.801	ppbV	98
117) 1,2,3-trichlorobenzene	20.617	180	35509	0.773	ppbV	99
118) benzothiophene	20.425	134	64841	0.502	ppbV	98
119) hexachlorobutadiene	20.683	225	34290	0.948	ppbV	98
120) 2-methylnaphthalene	21.483	142	9353	0.297	ppbV	98
121) 1-methylnaphthalene	21.675	142	13479	0.220	ppbV	95

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752225.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

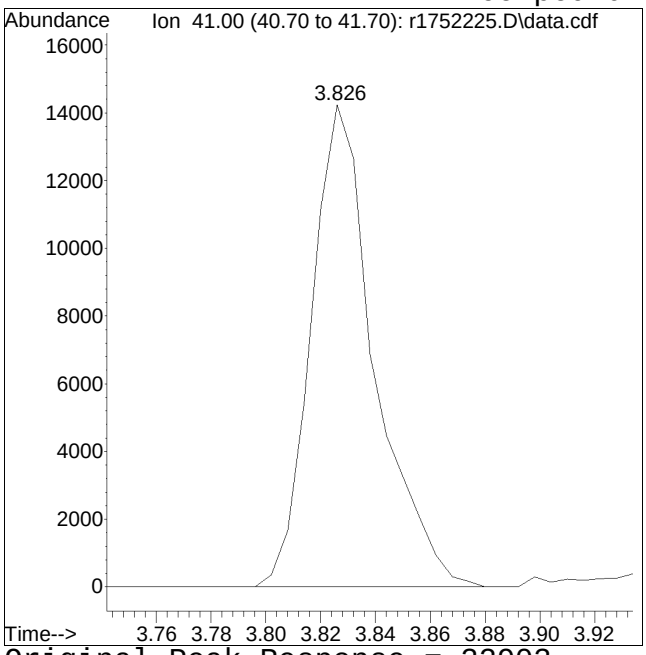
Quant Time: Nov 06 05:29:06 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



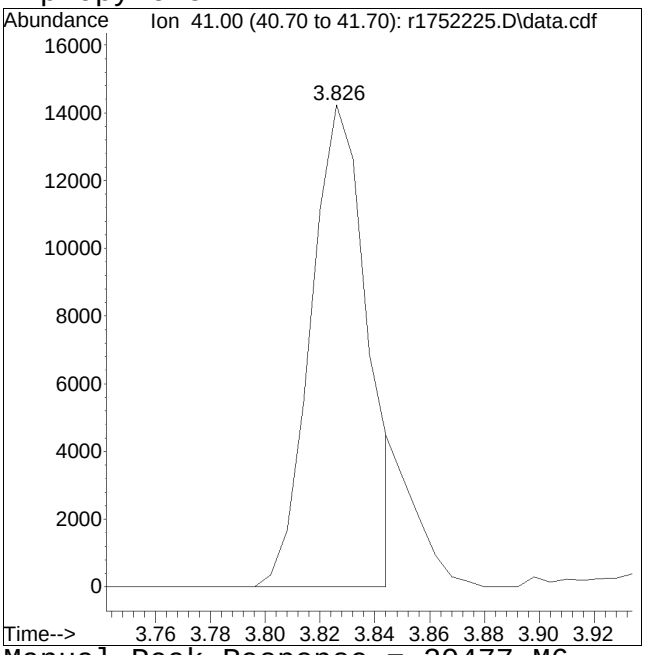
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752225.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 3:00 AM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 11/6/2025 5:29 am

Compound #3: propylene



Original Peak Response = 22903



Manual Peak Response = 20477 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752226.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	294592	10.000	ppbV	0.00
Standard Area = 268469			Recovery = 109.73%			
43) 1,4-difluorobenzene	11.057	114	906111	10.000	ppbV	0.00
Standard Area = 776598			Recovery = 116.68%			
67) chlorobenzene-D5	15.808	54	141661	10.000	ppbV	0.00
Standard Area = 127489			Recovery = 111.12%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.700	65	217348	8.787	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.87%			
69) toluene-D8	13.900	98	837396	10.443	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.43%			
90) bromofluorobenzene	17.200	95	545730	10.098	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.98%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.796	51	147082	4.614	ppbV	98
3) propylene	3.820	41	93274M6	4.288	ppbV	
4) propane	3.844	29	121611	4.739	ppbV	98
5) dichlorodifluoromethane	3.892	85	214341	4.797	ppbV	99
6) chloromethane	4.048	50	98317	5.055	ppbV	100
7) Freon-114	4.150	85	249667	5.026	ppbV	100
8) methanol	4.204	31	337691	26.408	ppbV	99
9) vinyl chloride	4.264	62	134220	5.093	ppbV	99
10) 1,3-butadiene	4.402	54	83982	4.973	ppbV	96
11) butane	4.456	43	182175	4.628	ppbV	98
12) acetaldehyde	4.162	29	285785	28.396	ppbV	87
13) bromomethane	4.672	94	92843	4.804	ppbV	100
14) chloroethane	4.852	64	64430	4.822	ppbV	99
15) ethanol	4.972	31	514810	24.517	ppbV	87
16) dichlorofluoromethane	4.954	67	225665	4.156	ppbV #	98
17) vinyl bromide	5.217	106	85394	4.517	ppbV	98
18) acrolein	5.337	56	57235	4.476	ppbV	93
19) acetone	5.467	43	672141	22.919	ppbV	99
20) acetonitrile	5.193	41	114462	4.440	ppbV	99
21) trichlorofluoromethane	5.663	101	203004	4.608	ppbV	99
22) isopropyl alcohol	5.733	45	363051	11.250	ppbV	100
23) acrylonitrile	5.970	53	96487	4.470	ppbV	98
24) pentane	6.050	43	214776	4.542	ppbV	99

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752226.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.067	31	224298	3.796	ppbV	98
26) 1,1-dichloroethene	6.342	61	175141	4.605	ppbV	99
27) tertiary butyl alcohol	6.372	59	221855	4.558	ppbV	99
28) methylene chloride	6.480	49	119530	4.638	ppbV	99
29) 3-chloropropene	6.606	41	144306	4.466	ppbV	98
30) carbon disulfide	6.774	76	265538	4.531	ppbV	98
31) Freon 113	6.780	101	209639	4.521	ppbV	99
32) trans-1,2-dichloroethene	7.508	61	159743	4.568	ppbV	99
33) 1,1-dichloroethane	7.725	63	212111	4.553	ppbV	100
34) MTBE	7.792	73	231604	4.524	ppbV	100
35) vinyl acetate	7.908	43	198781	4.089	ppbV	99
36) 2-butanone	8.158	43	202123	4.191	ppbV	100
37) cis-1,2-dichloroethene	8.667	61	165686	4.551	ppbV	99
38) Ethyl Acetate	8.925	61	38445	4.321	ppbV	71
39) chloroform	9.000	83	194915	4.632	ppbV	99
40) Tetrahydrofuran	9.425	42	109579	4.478	ppbV	99
41) 2,2-dichloropropane	9.025	77	145219	4.544	ppbV	97
42) 1,2-dichloroethane	9.825	62	132731	4.642	ppbV	98
44) hexane	8.917	57	198619	4.289	ppbV	93
45) diisopropyl ether	8.908	87	107400	4.249	ppbV	98
46) tert-butyl ethyl ether	9.517	59	402848	4.263	ppbV	99
48) 1,1,1-trichloroethane	10.108	97	182911	4.027	ppbV	98
49) 1,1-dichloropropene	10.477	75	155160	4.269	ppbV	98
50) benzene	10.630	78	350141	4.330	ppbV	99
51) thiophene	10.777	84	341088	4.356	ppbV	100
52) carbon tetrachloride	10.803	117	161956	4.358	ppbV	98
53) cyclohexane	10.950	56	208823	4.301	ppbV	99
54) tert-amyl methyl ether	11.323	73	287805	4.232	ppbV	100
55) dibromomethane	11.537	93	126370	4.263	ppbV	95
56) 1,2-dichloropropane	11.570	63	142182	4.200	ppbV	99
57) bromodichloromethane	11.797	83	183288	4.307	ppbV	98
58) 1,4-dioxane	11.837	88	77986	4.152	ppbV	97
59) trichloroethene	11.850	130	174201	4.337	ppbV	99
60) 2,2,4-trimethylpentane	11.903	57	641243	4.354	ppbV	99
61) methyl methacrylate	12.097	41	152647	4.139	ppbV	100
62) heptane	12.223	43	205454	4.345	ppbV	99
63) cis-1,3-dichloropropene	12.867	75	158884	4.250	ppbV	98
64) 4-methyl-2-pentanone	12.900	43	248673	4.286	ppbV	98
65) trans-1,3-dichloropropene	13.492	75	112159	4.209	ppbV	99
66) 1,1,2-trichloroethane	13.692	97	144582	4.192	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752226.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.017	91	463727	4.536	ppbV	99
70)	2-methylthiophene	14.092	97	477267	4.472	ppbV	99
71)	1,3-dichloropropane	14.042	76	190035	4.433	ppbV	99
72)	2-hexanone	14.308	43	228937	4.262	ppbV	99
73)	3-methylthiophene	14.292	97	493643	4.535	ppbV	98
74)	dibromochloromethane	14.475	129	196440	4.456	ppbV	99
75)	1,2-dibromoethane	14.725	107	189577	4.460	ppbV	99
76)	butyl acetate	14.983	73	43332	4.217	ppbV	99
77)	octane	15.083	85	169631	4.520	ppbV	98
78)	tetrachloroethene	15.200	166	173850	4.527	ppbV	98
79)	1,1,1,2-tetrachloroethane	15.833	131	169822	4.411	ppbV	99
80)	chlorobenzene	15.850	112	337279	4.496	ppbV	100
81)	ethylbenzene	16.208	91	585522	4.428	ppbV	99
82)	2-ethylthiophene	16.242	97	542938	4.401	ppbV	100
83)	m+p-xylene	16.375	91	945440	8.983	ppbV	98
84)	bromoform	16.433	173	145177	4.242	ppbV	98
85)	styrene	16.700	104	336123	4.347	ppbV	99
86)	1,1,2,2-tetrachloroethane	16.792	83	302966	4.472	ppbV	99
87)	o-xylene	16.792	91	478235	4.507	ppbV	99
88)	1,2,3-trichloropropane	16.908	75	223795	4.456	ppbV	99
89)	nonane	17.000	43	331105	4.507	ppbV	100
91)	isopropylbenzene	17.317	105	603782	4.418	ppbV	96
92)	bromobenzene	17.392	77	300142	4.402	ppbV	93
93)	2-chlorotoluene	17.725	126	178400	4.446	ppbV	94
94)	n-propylbenzene	17.758	120	200035	4.447	ppbV	91
95)	4-chlorotoluene	17.783	126	182187	4.431	ppbV	99
96)	4-ethyl toluene	17.875	105	542625	4.396	ppbV	98
97)	1,3,5-trimethylbenzene	17.942	105	488688	4.505	ppbV	98
98)	tert-butylbenzene	18.292	119	567347	4.551	ppbV	96
99)	1,2,4-trimethylbenzene	18.292	105	496132	4.460	ppbV	94
100)	decane	18.375	57	478714	4.521	ppbV	98
101)	Benzyl Chloride	18.408	91	342432	4.159	ppbV	99
102)	1,3-dichlorobenzene	18.425	146	303830	4.283	ppbV	95
103)	1,4-dichlorobenzene	18.483	146	305566	4.415	ppbV	97
104)	sec-butylbenzene	18.517	105	763434	4.503	ppbV	99
105)	1,2,3-trimethylbenzene	18.650	105	552405	4.426	ppbV	98
106)	p-isopropyltoluene	18.650	119	710848	4.632	ppbV	97
107)	1,2-dichlorobenzene	18.767	146	342144	4.687	ppbV	99
108)	n-butylbenzene	18.992	91	614016	4.588	ppbV	98
109)	indan	18.817	117	445584	4.503	ppbV	99

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752226.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

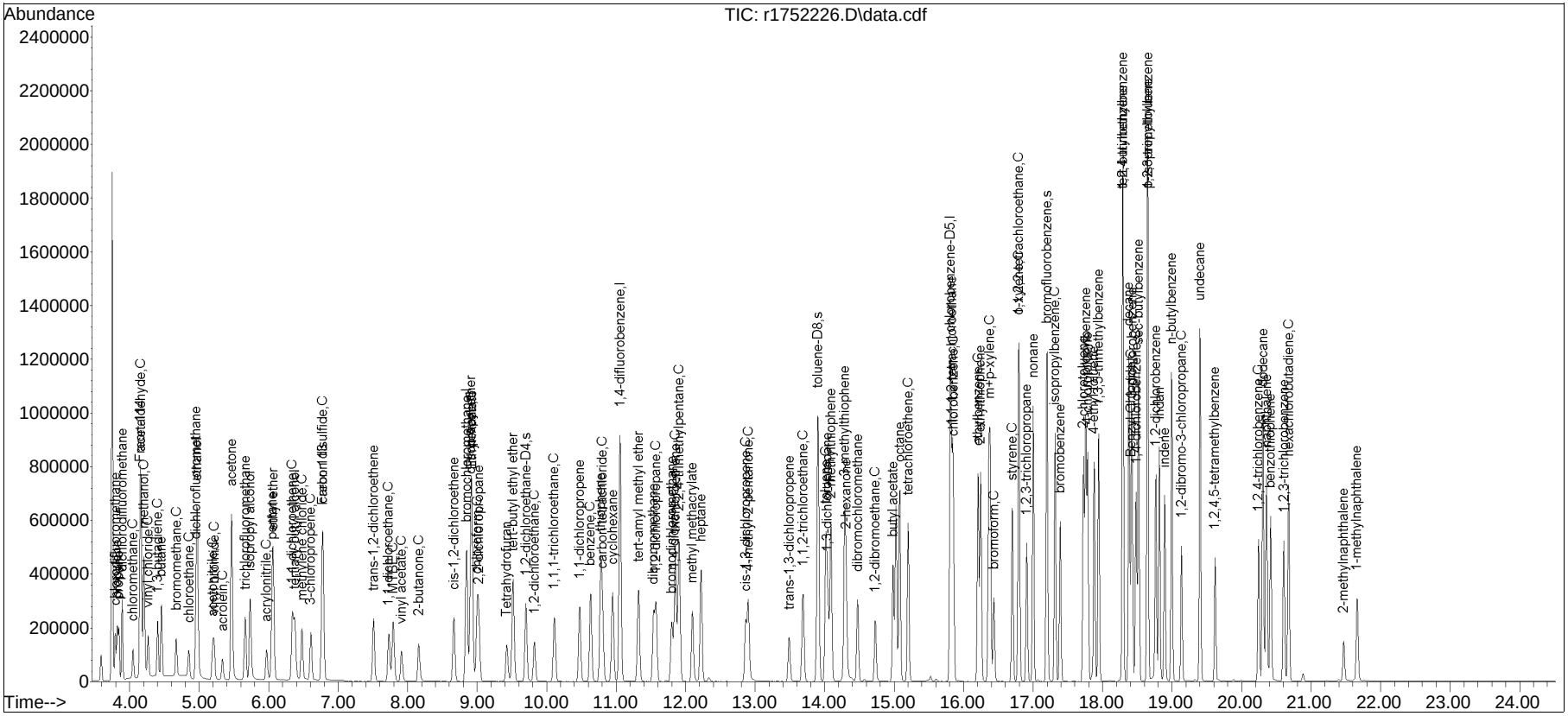
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.892	115	337357	4.422	ppbV	100
111) 1,2-dibromo-3-chloropr...	19.133	75	122696	4.513	ppbV	99
112) undecane	19.400	57	497626	4.474	ppbV	99
113) 1,2,4,5-tetramethylben...	19.617	119	245754	4.465	ppbV	99
114) dodecane	20.308	57	416327	4.212	ppbV	100
115) 1,2,4-trichlorobenzene	20.242	180	184273	4.003	ppbV	99
116) naphthalene	20.358	128	674575	4.225	ppbV	100
117) 1,2,3-trichlorobenzene	20.608	180	189659	4.043	ppbV	98
118) benzothiophene	20.417	134	516804	3.916	ppbV	100
119) hexachlorobutadiene	20.675	225	164526	4.452	ppbV	99
120) 2-methylnaphthalene	21.467	142	96428	2.999	ppbV	99
121) 1-methylnaphthalene	21.658	142	201880	3.229	ppbV	98

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752226.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

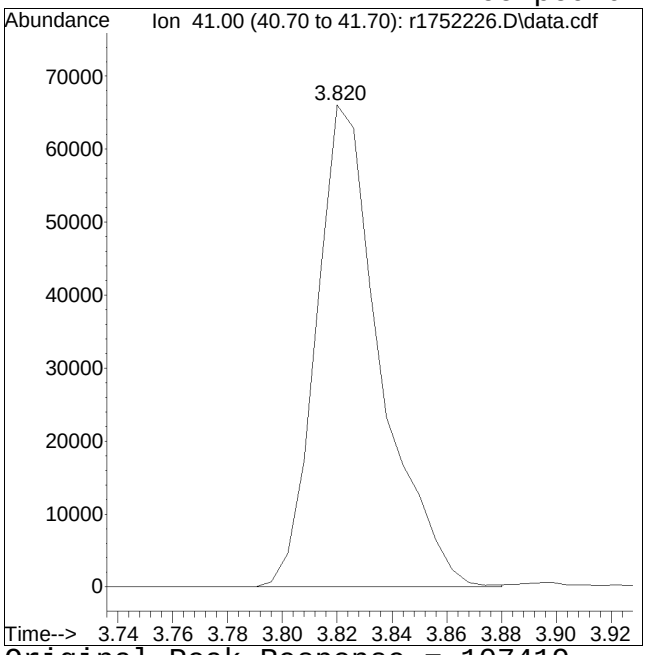
Quant Time: Nov 06 05:29:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



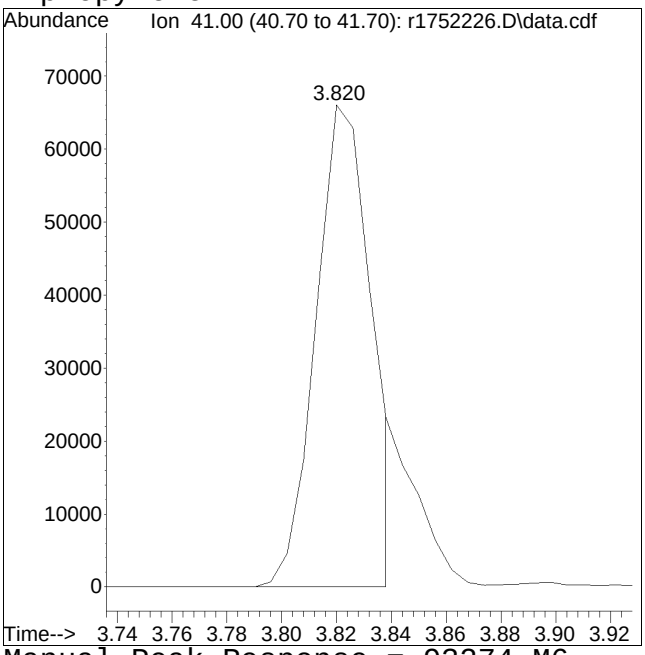
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752226.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 3:39 AM Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 11/6/2025 5:29 am

Compound #3: propylene



Original Peak Response = 107419



Manual Peak Response = 93274 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752227.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:25:31 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 10:53:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	268469	10.000	ppbV	0.04
Standard Area = 268469			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.050	114	776598	10.000	ppbV	0.03
Standard Area = 776598			Recovery = 100.00%			
67) chlorobenzene-D5	15.808	54	127489	10.000	ppbV	0.03
Standard Area = 127489			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.700	65	211992	12.718	ppbV	0.04
Spiked Amount 10.000	Range 70 - 130		Recovery = 127.18%			
69) toluene-D8	13.900	98	721654	9.884	ppbV	0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.84%			
90) bromofluorobenzene	17.192	95	486369	9.678	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.78%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.790	51	290481	12.020	ppbV #	91
3) propylene	3.820	41	198229M6	9.843	ppbV	
4) propane	3.844	29	233858	14.043	ppbV #	86
5) dichlorodifluoromethane	3.886	85	407193	13.708	ppbV	98
6) chloromethane	4.042	50	177247	11.019	ppbV	99
7) Freon-114	4.144	85	452694	12.572	ppbV	94
8) methanol	4.204	31	582686	88.367	ppbV	98
9) vinyl chloride	4.258	62	240183	13.194	ppbV	99
10) 1,3-butadiene	4.396	54	153894	12.619	ppbV	87
11) butane	4.450	43	358713	12.428	ppbV	94
12) acetaldehyde	4.162	29	458588	63.629	ppbV	92
13) bromomethane	4.666	94	176137	12.306	ppbV	99
14) chloroethane	4.846	64	121771	13.591	ppbV	98
15) ethanol	4.972	31	956809	82.710	ppbV #	75
16) dichlorofluoromethane	4.954	67	494884	16.333	ppbV	99
17) vinyl bromide	5.210	106	172290	13.550	ppbV	100
18) acrolein	5.330	56	116533	14.749	ppbV	94
19) acetone	5.463	43	1336315	61.859	ppbV	89
20) acetonitrile	5.190	41	234955	12.632	ppbV	96
21) trichlorofluoromethane	5.657	101	401487	16.287	ppbV	98
22) isopropyl alcohol	5.730	45	735220	26.027	ppbV #	97
23) acrylonitrile	5.967	53	196713	12.121	ppbV	98
24) pentane	6.047	43	430921	10.894	ppbV	95

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752227.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:25:31 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 10:53:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.063	31	538549	18.265	ppbV	#	91
26) 1,1-dichloroethene	6.336	61	346589	13.160	ppbV		98
27) tertiary butyl alcohol	6.372	59	443564	12.967	ppbV		98
28) methylene chloride	6.474	49	234864	10.462	ppbV		96
29) 3-chloropropene	6.606	41	294499	10.246	ppbV		93
30) carbon disulfide	6.768	76	534097	10.545	ppbV		99
31) Freon 113	6.774	101	422621	12.303	ppbV		98
32) trans-1,2-dichloroethene	7.508	61	318661	12.720	ppbV		99
33) 1,1-dichloroethane	7.725	63	424521	12.453	ppbV		99
34) MTBE	7.783	73	466561	12.365	ppbV		98
35) vinyl acetate	7.908	43	443076	8.887	ppbV		96
36) 2-butanone	8.150	43	439562	10.974	ppbV	#	96
37) cis-1,2-dichloroethene	8.658	61	331774	12.701	ppbV		98
38) Ethyl Acetate	8.925	61	81092	12.467	ppbV		77
39) chloroform	9.000	83	383466	11.973	ppbV		96
40) Tetrahydrofuran	9.417	42	223006	10.181	ppbV		92
41) 2,2-dichloropropane	9.017	77	291242	13.464	ppbV		98
42) 1,2-dichloroethane	9.817	62	260559	14.305	ppbV	#	91
44) hexane	8.917	57	396908	11.639	ppbV		74
45) diisopropyl ether	8.900	87	216660	12.415	ppbV		73
46) tert-butyl ethyl ether	9.508	59	809825	13.149	ppbV		99
48) 1,1,1-trichloroethane	10.108	97	389293	14.250	ppbV	#	95
49) 1,1-dichloropropene	10.470	75	311514	11.024	ppbV		95
50) benzene	10.630	78	692996	9.663	ppbV		96
51) thiophene	10.777	84	671082	10.607	ppbV		93
52) carbon tetrachloride	10.803	117	318480	12.542	ppbV		96
53) cyclohexane	10.943	56	416155	10.806	ppbV		95
54) tert-amyl methyl ether	11.317	73	582918	10.817	ppbV		95
55) dibromomethane	11.537	93	254081	11.552	ppbV		98
56) 1,2-dichloropropane	11.570	63	290125	10.647	ppbV		99
57) bromodichloromethane	11.797	83	364770	11.060	ppbV		96
58) 1,4-dioxane	11.830	88	160995	11.651	ppbV		95
59) trichloroethene	11.850	130	344247	11.496	ppbV		98
60) 2,2,4-trimethylpentane	11.903	57	1262157	11.465	ppbV		94
61) methyl methacrylate	12.090	41	316107	10.148	ppbV	#	91
62) heptane	12.217	43	405256	9.369	ppbV	#	85
63) cis-1,3-dichloropropene	12.858	75	320384	9.577	ppbV		96
64) 4-methyl-2-pentanone	12.892	43	497282	9.331	ppbV	#	86
65) trans-1,3-dichloropropene	13.483	75	228387	9.606	ppbV		98
66) 1,1,2-trichloroethane	13.683	97	295597	10.834	ppbV		91

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752227.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:25:31 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 10:53:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	14.017	91	919989	10.522	ppbV		98
70)	2-methylthiophene	14.083	97	960527	10.678	ppbV	#	98
71)	1,3-dichloropropane	14.042	76	385761	9.814	ppbV		99
72)	2-hexanone	14.308	43	483389	9.550	ppbV		89
73)	3-methylthiophene	14.283	97	979602	10.665	ppbV		97
74)	dibromochloromethane	14.467	129	396726	11.015	ppbV		98
75)	1,2-dibromoethane	14.725	107	382496	9.049	ppbV		99
76)	butyl acetate	14.975	73	92472	10.188	ppbV		83
77)	octane	15.075	85	337772	11.373	ppbV		82
78)	tetrachloroethene	15.200	166	345627	10.652	ppbV		96
79)	1,1,1,2-tetrachloroethane	15.833	131	346492	11.768	ppbV		99
80)	chlorobenzene	15.850	112	675166	9.431	ppbV		99
81)	ethylbenzene	16.208	91	1189966	10.724	ppbV		96
82)	2-ethylthiophene	16.242	97	1110313	10.727	ppbV	#	92
83)	m+p-xylene	16.375	91	1894436	21.768	ppbV		97
84)	bromoform	16.433	173	307977	11.162	ppbV		99
85)	styrene	16.700	104	695837	10.123	ppbV		97
86)	1,1,2,2-tetrachloroethane	16.792	83	609710	8.867	ppbV		98
87)	o-xylene	16.792	91	954946	10.963	ppbV		94
88)	1,2,3-trichloropropane	16.908	75	451959	9.256	ppbV		95
89)	nonane	17.000	43	661180	9.097	ppbV	#	79
91)	isopropylbenzene	17.317	105	1230050	10.998	ppbV		99
92)	bromobenzene	17.383	77	613615	9.435	ppbV		92
93)	2-chlorotoluene	17.717	126	361129	10.922	ppbV		98
94)	n-propylbenzene	17.750	120	404807	11.247	ppbV		99
95)	4-chlorotoluene	17.783	126	370059	10.919	ppbV		94
96)	4-ethyl toluene	17.875	105	1110773	10.442	ppbV		99
97)	1,3,5-trimethylbenzene	17.942	105	976305	10.119	ppbV		97
98)	tert-butylbenzene	18.283	119	1121810	11.411	ppbV		95
99)	1,2,4-trimethylbenzene	18.292	105	1001142	10.437	ppbV		94
100)	decane	18.375	57	953015	11.116	ppbV		85
101)	Benzyl Chloride	18.408	91	741041	11.670	ppbV		97
102)	1,3-dichlorobenzene	18.417	146	638418	10.322	ppbV		97
103)	1,4-dichlorobenzene	18.475	146	622931	10.217	ppbV		94
104)	sec-butylbenzene	18.517	105	1525729	10.672	ppbV		98
105)	1,2,3-trimethylbenzene	18.642	105	1123262	11.472	ppbV		100
106)	p-isopropyltoluene	18.642	119	1381149	11.409	ppbV		98
107)	1,2-dichlorobenzene	18.758	146	656964	11.142	ppbV		93
108)	n-butylbenzene	18.992	91	1204411	11.027	ppbV		100
109)	indan	18.808	117	890533	9.694	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752227.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:25:31 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 10:53:00 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

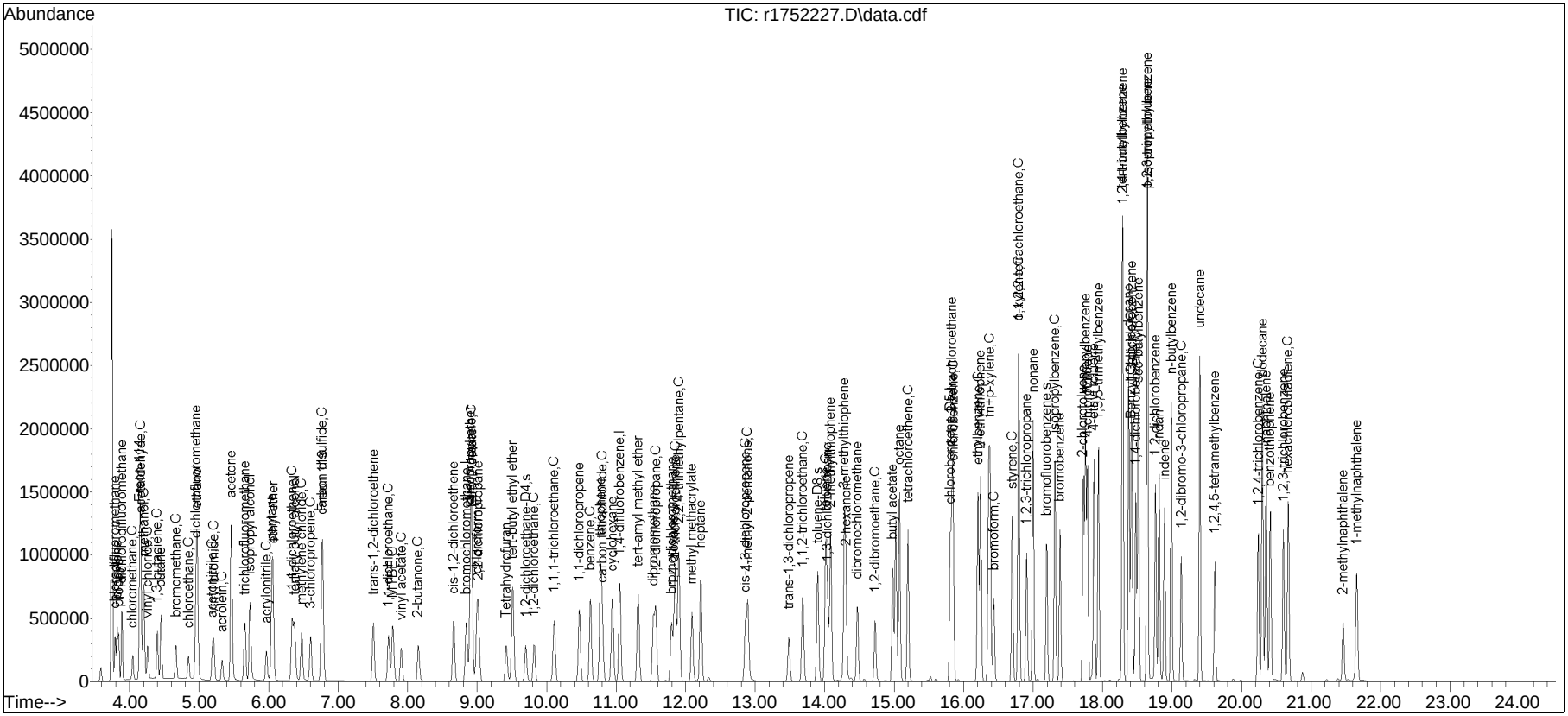
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.892	115	686536	9.377	ppbV	96
111) 1,2-dibromo-3-chloropr...	19.133	75	244661	10.060	ppbV	97
112) undecane	19.400	57	1001095	10.535	ppbV	88
113) 1,2,4,5-tetramethylben...	19.617	119	495353	9.226	ppbV	96
114) dodecane	20.300	57	889599	9.210	ppbV	84
115) 1,2,4-trichlorobenzene	20.242	180	414311	11.416	ppbV	96
116) naphthalene	20.350	128	1436970	11.299	ppbV	100
117) 1,2,3-trichlorobenzene	20.600	180	422167	10.658	ppbV	95
118) benzothiophene	20.408	134	1187704	19.705	ppbV	99
119) hexachlorobutadiene	20.667	225	332588	10.382	ppbV	92
120) 2-methylnaphthalene	21.458	142	289389	31.772	ppbV	99
121) 1-methylnaphthalene	21.658	142	562676	45.778	ppbV	99

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752227.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:25:31 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 10:53:00 2025
Response via : Initial Calibration

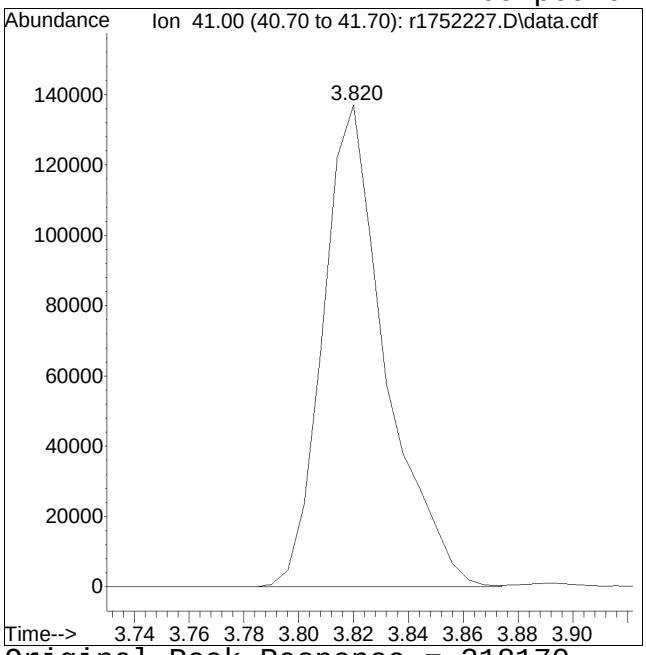


Manual Integration Report

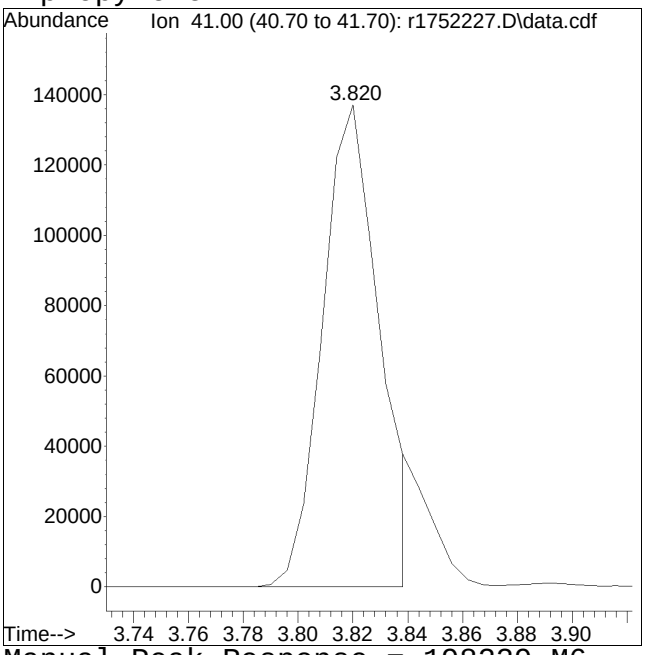
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752227.D
Date Inj'd : 11/6/2025 4:19 AM
Sample : ITO15-SIMSTD010

Method : TFS17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:25 am

Compound #3: propylene



Original Peak Response = 218170



Manual Peak Response = 198229 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752228.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	273631	10.000	ppbV	0.00
Standard Area = 268469			Recovery = 101.92%			
43) 1,4-difluorobenzene	11.050	114	771874	10.000	ppbV	0.00
Standard Area = 776598			Recovery = 99.39%			
67) chlorobenzene-D5	15.808	54	120843	10.000	ppbV	0.00
Standard Area = 127489			Recovery = 94.79%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	213878	10.151	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.51%			
69) toluene-D8	13.892	98	784393	11.467	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.67%			
90) bromofluorobenzene	17.192	95	483662	10.491	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.91%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.790	51	547152	18.481	ppbV	100
3) propylene	3.820	41	423280M6	20.950	ppbV	
4) propane	3.838	29	442597	18.569	ppbV #	94
5) dichlorodifluoromethane	3.886	85	782052	18.844	ppbV	99
6) chloromethane	4.042	50	343044	18.989	ppbV	100
7) Freon-114	4.144	85	865806	18.765	ppbV	96
8) methanol	4.204	31	894802	75.334	ppbV	99
9) vinyl chloride	4.258	62	440289	17.986	ppbV	99
10) 1,3-butadiene	4.396	54	297938	18.995	ppbV	95
11) butane	4.450	43	685531	18.750	ppbV	99
12) acetaldehyde	4.162	29	820328	87.753	ppbV	94
13) bromomethane	4.666	94	323254	18.006	ppbV	100
14) chloroethane	4.846	64	222615	17.937	ppbV	99
15) ethanol	4.972	31	1655105	84.859	ppbV	98
16) dichlorofluoromethane	4.948	67	883306	17.512	ppbV	99
17) vinyl bromide	5.207	106	381175	21.707	ppbV	100
18) acrolein	5.327	56	240939	20.286	ppbV	97
19) acetone	5.457	43	2810565	103.177	ppbV	99
20) acetonitrile	5.190	41	499183	20.845	ppbV	98
21) trichlorofluoromethane	5.653	101	798673	19.518	ppbV	98
22) isopropyl alcohol	5.733	45	1678169	55.987	ppbV	99
23) acrylonitrile	5.967	53	395681	19.735	ppbV	100
24) pentane	6.040	43	873625	19.891	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752228.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.057	31	1046372	19.063	ppbV	99
26) 1,1-dichloroethene	6.336	61	702871	19.897	ppbV	98
27) tertiary butyl alcohol	6.372	59	958188	21.195	ppbV	99
28) methylene chloride	6.474	49	469574	19.616	ppbV	99
29) 3-chloropropene	6.600	41	639035	21.290	ppbV	98
30) carbon disulfide	6.768	76	1163553	21.374	ppbV	99
31) Freon 113	6.768	101	884035	20.523	ppbV	99
32) trans-1,2-dichloroethene	7.500	61	691407	21.288	ppbV	97
33) 1,1-dichloroethane	7.725	63	894446	20.672	ppbV	99
34) MTBE	7.783	73	1003397	21.101	ppbV	99
35) vinyl acetate	7.900	43	1001742	22.182	ppbV	99
36) 2-butanone	8.150	43	897897	20.042	ppbV	99
37) cis-1,2-dichloroethene	8.658	61	685079	20.259	ppbV	99
38) Ethyl Acetate	8.917	61	181858	22.003	ppbV	96
39) chloroform	8.992	83	759051	19.421	ppbV	100
40) Tetrahydrofuran	9.408	42	491919	21.642	ppbV	99
41) 2,2-dichloropropane	9.017	77	568199	19.141	ppbV	99
42) 1,2-dichloroethane	9.817	62	526236	19.815	ppbV	99
44) hexane	8.908	57	829539	21.028	ppbV	99
45) diisopropyl ether	8.900	87	428058	19.878	ppbV	95
46) tert-butyl ethyl ether	9.508	59	1616845	20.088	ppbV	98
48) 1,1,1-trichloroethane	10.100	97	726248	18.770	ppbV	99
49) 1,1-dichloropropene	10.470	75	624480	20.169	ppbV	100
50) benzene	10.623	78	1425067	20.690	ppbV	99
51) thiophene	10.770	84	1156796	17.343	ppbV	99
52) carbon tetrachloride	10.797	117	642788	20.307	ppbV	99
53) cyclohexane	10.943	56	870526	21.046	ppbV	98
54) tert-amyl methyl ether	11.310	73	1198606	20.688	ppbV	99
55) dibromomethane	11.530	93	508443	20.134	ppbV	97
56) 1,2-dichloropropane	11.563	63	616360	21.375	ppbV	98
57) bromodichloromethane	11.790	83	762631	21.035	ppbV	99
58) 1,4-dioxane	11.823	88	358218	22.386	ppbV	98
59) trichloroethene	11.843	130	698244	20.407	ppbV	99
60) 2,2,4-trimethylpentane	11.897	57	2673756	21.314	ppbV	99
61) methyl methacrylate	12.083	41	656937	20.909	ppbV	98
62) heptane	12.210	43	872411	21.659	ppbV	99
63) cis-1,3-dichloropropene	12.858	75	683743	21.472	ppbV	99
64) 4-methyl-2-pentanone	12.892	43	1082923	21.910	ppbV	100
65) trans-1,3-dichloropropene	13.483	75	499255	21.994	ppbV	99
66) 1,1,2-trichloroethane	13.683	97	621623	21.158	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752228.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.008	91	1875167	21.503	ppbV	100
70)	2-methylthiophene	14.083	97	1673142	18.377	ppbV	99
71)	1,3-dichloropropane	14.042	76	772286	21.121	ppbV	99
72)	2-hexanone	14.300	43	1037690	22.648	ppbV	99
73)	3-methylthiophene	14.283	97	1705331	18.366	ppbV	99
74)	dibromochloromethane	14.467	129	849149	22.581	ppbV	99
75)	1,2-dibromoethane	14.725	107	825794	22.777	ppbV	98
76)	butyl acetate	14.975	73	191093	21.801	ppbV	96
77)	octane	15.075	85	662682	20.698	ppbV	97
78)	tetrachloroethene	15.192	166	720546	21.994	ppbV	97
79)	1,1,1,2-tetrachloroethane	15.825	131	691864	21.066	ppbV	99
80)	chlorobenzene	15.842	112	1418447	22.164	ppbV	97
81)	ethylbenzene	16.200	91	2434333	21.582	ppbV	96
82)	2-ethylthiophene	16.242	97	1929251	18.331	ppbV	99
83)	m+p-xylene	16.367	91	3832559	42.686	ppbV	98
84)	bromoform	16.425	173	683602	23.417	ppbV	99
85)	styrene	16.692	104	1491224	22.609	ppbV	98
86)	1,1,2,2-tetrachloroethane	16.783	83	1275643	22.073	ppbV	99
87)	o-xylene	16.792	91	1907921	21.078	ppbV	94
88)	1,2,3-trichloropropane	16.900	75	904227	21.107	ppbV	98
89)	nonane	16.992	43	1309939	20.902	ppbV	99
91)	isopropylbenzene	17.308	105	2473488	21.215	ppbV	99
92)	bromobenzene	17.383	77	1199469	20.623	ppbV	99
93)	2-chlorotoluene	17.717	126	725152	21.184	ppbV	97
94)	n-propylbenzene	17.750	120	802237	20.908	ppbV	97
95)	4-chlorotoluene	17.775	126	731470	20.853	ppbV	99
96)	4-ethyl toluene	17.875	105	2390277	22.703	ppbV	99
97)	1,3,5-trimethylbenzene	17.933	105	2035133	21.992	ppbV	99
98)	tert-butylbenzene	18.283	119	2207729	20.762	ppbV	99
99)	1,2,4-trimethylbenzene	18.283	105	2099180	22.121	ppbV	99
100)	decane	18.375	57	1857285	20.560	ppbV	100
101)	Benzyl Chloride	18.408	91	1702460	24.237	ppbV	99
102)	1,3-dichlorobenzene	18.417	146	1331642	22.006	ppbV	99
103)	1,4-dichlorobenzene	18.475	146	1330726	22.537	ppbV	99
104)	sec-butylbenzene	18.508	105	3034343	20.982	ppbV	97
105)	1,2,3-trimethylbenzene	18.642	105	2198212	20.646	ppbV	99
106)	p-isopropyltoluene	18.642	119	2679885	20.470	ppbV	99
107)	1,2-dichlorobenzene	18.758	146	1279538	20.548	ppbV	98
108)	n-butylbenzene	18.983	91	2329703	20.407	ppbV	97
109)	indan	18.808	117	1841282	21.813	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752228.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

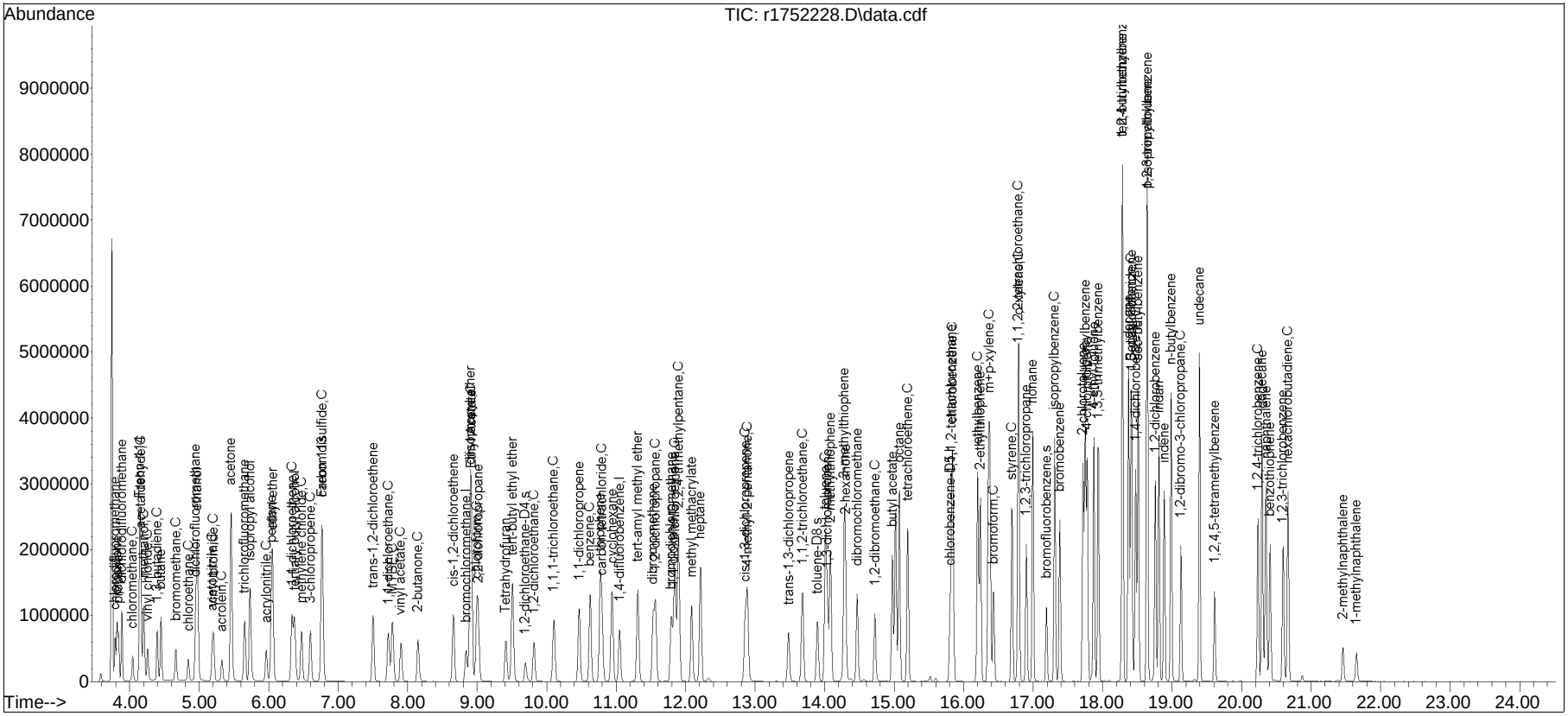
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.883	115	1452897	22.327	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.125	75	495672	21.374	ppbV	93
112) undecane	19.392	57	1842582	19.418	ppbV	99
113) 1,2,4,5-tetramethylben...	19.608	119	724923	15.439	ppbV	97
114) dodecane	20.292	57	1488118	17.648	ppbV	99
115) 1,2,4-trichlorobenzene	20.233	180	838175	21.343	ppbV	98
116) naphthalene	20.350	128	2611149	19.171	ppbV	99
117) 1,2,3-trichlorobenzene	20.592	180	756593	18.907	ppbV	99
118) benzothiophene	20.408	134	1730388	15.370	ppbV	100
119) hexachlorobutadiene	20.667	225	634034	20.112	ppbV	97
120) 2-methylnaphthalene	21.458	142	321920	11.736	ppbV	100
121) 1-methylnaphthalene	21.650	142	281434	5.277	ppbV	99

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752228.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

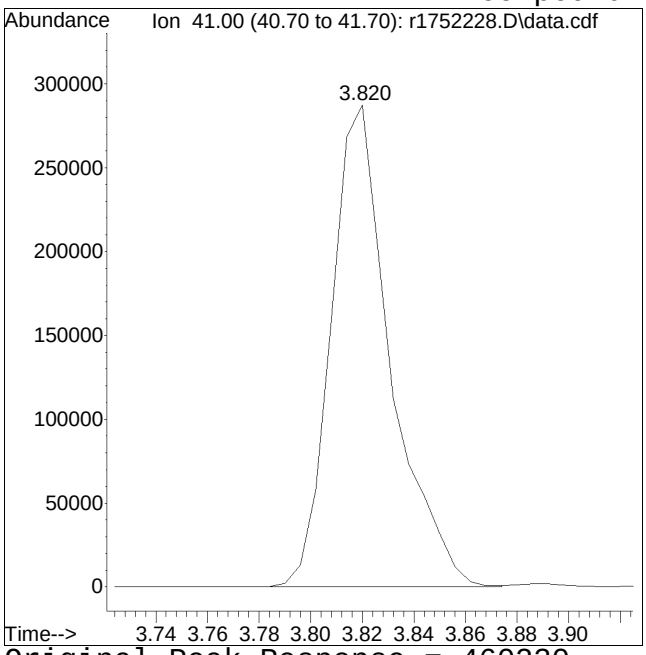
Quant Time: Nov 06 05:29:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



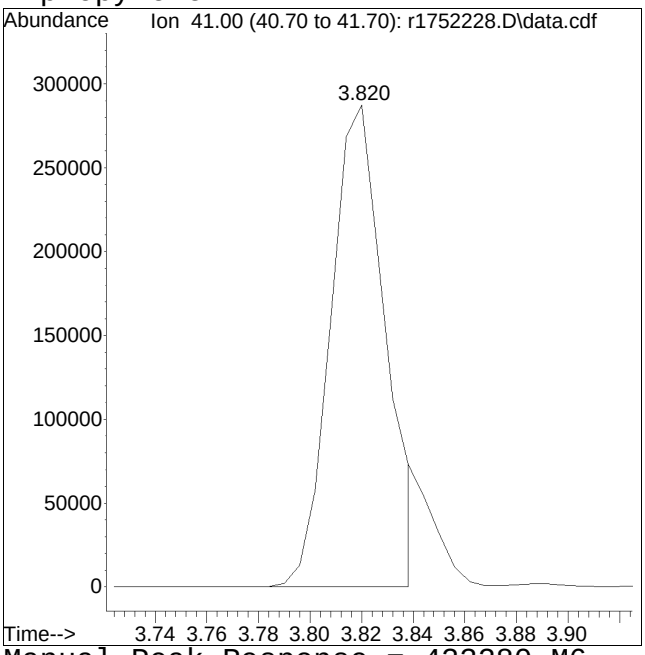
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752228.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 4:56 AM Instrument :
Sample : ITO15-SIMSTD020 Quant Date : 11/6/2025 5:29 am

Compound #3: propylene



Original Peak Response = 460230



Manual Peak Response = 423280 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752229.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	276993	10.000	ppbV	0.00
Standard Area = 268469			Recovery = 103.18%			
43) 1,4-difluorobenzene	11.050	114	820521	10.000	ppbV	0.00
Standard Area = 776598			Recovery = 105.66%			
67) chlorobenzene-D5	15.800	54	120767	10.000	ppbV	0.00
Standard Area = 127489			Recovery = 94.73%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.692	65	208069	9.290	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.90%			
69) toluene-D8	13.892	98	826311	12.088	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.88%			
90) bromofluorobenzene	17.192	95	529668	11.496	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.96%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.784	51	1315557	43.895	ppbV	99
3) propylene	3.814	41	1012486M6	49.505	ppbV	
4) propane	3.838	29	1027137	42.570	ppbV	94
5) dichlorodifluoromethane	3.886	85	1783433	42.450	ppbV	99
6) chloromethane	4.042	50	815676	44.603	ppbV	98
7) Freon-114	4.144	85	2021512	43.281	ppbV	96
8) methanol	4.204	31	2081916	173.151	ppbV	99
9) vinyl chloride	4.258	62	1034236	41.735	ppbV	99
10) 1,3-butadiene	4.396	54	713583	44.942	ppbV	95
11) butane	4.444	43	1652761	44.657	ppbV	98
12) acetaldehyde	4.156	29	1843662	194.829	ppbV	87
13) bromomethane	4.660	94	761641	41.911	ppbV	98
14) chloroethane	4.840	64	518407	41.262	ppbV	97
15) ethanol	4.978	31	3332772	168.801	ppbV #	80
16) dichlorofluoromethane	4.948	67	1943292	38.059	ppbV	98
17) vinyl bromide	5.207	106	935381	52.620	ppbV	100
18) acrolein	5.327	56	575550	47.870	ppbV	94
19) acetone	5.460	43	6643239	240.916	ppbV	98
20) acetonitrile	5.190	41	1255269	51.782	ppbV	97
21) trichlorofluoromethane	5.653	101	1851327	44.693	ppbV	99
22) isopropyl alcohol	5.737	45	4045873	133.340	ppbV	100
23) acrylonitrile	5.967	53	934936	46.065	ppbV	100
24) pentane	6.040	43	2286509	51.428	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752229.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.057	31	2412554	43.419	ppbV	96
26) 1,1-dichloroethene	6.330	61	1656837	46.333	ppbV	96
27) tertiary butyl alcohol	6.372	59	2287033	49.974	ppbV	99
28) methylene chloride	6.474	49	1095156	45.194	ppbV	99
29) 3-chloropropene	6.600	41	1578964	51.965	ppbV	97
30) carbon disulfide	6.762	76	2788883	50.610	ppbV	98
31) Freon 113	6.768	101	2123659	48.703	ppbV	97
32) trans-1,2-dichloroethene	7.500	61	1647474	50.109	ppbV	97
33) 1,1-dichloroethane	7.725	63	2173496	49.623	ppbV	98
34) MTBE	7.775	73	2455503	51.010	ppbV	98
35) vinyl acetate	7.900	43	2588246	56.618	ppbV	100
36) 2-butanone	8.150	43	2211392	48.761	ppbV	98
37) cis-1,2-dichloroethene	8.658	61	1639316	47.890	ppbV	98
38) Ethyl Acetate	8.917	61	441352	52.751	ppbV	96
39) chloroform	8.992	83	1752932	44.306	ppbV	99
40) Tetrahydrofuran	9.408	42	1212508	52.698	ppbV	99
41) 2,2-dichloropropane	9.017	77	1346800	44.820	ppbV	98
42) 1,2-dichloroethane	9.817	62	1222807	45.486	ppbV	99
44) hexane	8.908	57	1875790	44.730	ppbV	96
45) diisopropyl ether	8.900	87	1007417	44.009	ppbV	96
46) tert-butyl ethyl ether	9.508	59	3797710	44.385	ppbV	99
48) 1,1,1-trichloroethane	10.100	97	1694638	41.201	ppbV	99
49) 1,1-dichloropropene	10.463	75	1501991	45.635	ppbV	97
50) benzene	10.623	78	3403643	46.486	ppbV	98
51) thiophene	10.770	84	2716190	38.308	ppbV	99
52) carbon tetrachloride	10.797	117	1513665	44.984	ppbV	99
53) cyclohexane	10.937	56	2056246	46.766	ppbV	97
54) tert-amyl methyl ether	11.310	73	2985778	48.479	ppbV	98
55) dibromomethane	11.530	93	1200134	44.706	ppbV	95
56) 1,2-dichloropropane	11.563	63	1517140	49.493	ppbV	97
57) bromodichloromethane	11.790	83	1794035	46.550	ppbV	99
58) 1,4-dioxane	11.817	88	853407	50.171	ppbV	99
59) trichloroethene	11.843	130	1653558	45.463	ppbV	99
60) 2,2,4-trimethylpentane	11.897	57	6192987	46.440	ppbV	98
61) methyl methacrylate	12.083	41	1634301	48.933	ppbV	96
62) heptane	12.210	43	2111879	49.323	ppbV	97
63) cis-1,3-dichloropropene	12.858	75	1684172	49.753	ppbV	99
64) 4-methyl-2-pentanone	12.883	43	2636928	50.188	ppbV	98
65) trans-1,3-dichloropropene	13.475	75	1224231	50.734	ppbV	100
66) 1,1,2-trichloroethane	13.675	97	1512717	48.436	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752229.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.008	91	4374506	50.196	ppbV	99
70)	2-methylthiophene	14.083	97	4018083	44.160	ppbV	100
71)	1,3-dichloropropane	14.042	76	1867867	51.115	ppbV	98
72)	2-hexanone	14.300	43	2529418	55.239	ppbV	96
73)	3-methylthiophene	14.283	97	4077817	43.944	ppbV	98
74)	dibromochloromethane	14.467	129	2036199	54.182	ppbV	97
75)	1,2-dibromoethane	14.725	107	2039894	56.300	ppbV	98
76)	butyl acetate	14.967	73	475814	54.319	ppbV	85
77)	octane	15.075	85	1569465	49.052	ppbV	95
78)	tetrachloroethene	15.192	166	1730502	52.855	ppbV	95
79)	1,1,1,2-tetrachloroethane	15.825	131	1645894	50.146	ppbV	98
80)	chlorobenzene	15.842	112	3471129	54.273	ppbV	97
81)	ethylbenzene	16.200	91	5715780	50.707	ppbV	93
82)	2-ethylthiophene	16.242	97	4610763	43.838	ppbV	98
83)	m+p-xylene	16.375	91	8867730	98.830	ppbV	95
84)	bromoform	16.433	173	1671554	57.296	ppbV	98
85)	styrene	16.692	104	3727778	56.554	ppbV	97
86)	1,1,2,2-tetrachloroethane	16.783	83	3057609	52.940	ppbV	100
87)	o-xylene	16.792	91	4387001	48.497	ppbV	88
88)	1,2,3-trichloropropane	16.900	75	2201550	51.423	ppbV	97
89)	nonane	17.000	43	3184775	50.849	ppbV	94
91)	isopropylbenzene	17.308	105	5964516	51.189	ppbV	98
92)	bromobenzene	17.383	77	2935583	50.504	ppbV	100
93)	2-chlorotoluene	17.717	126	1759546	51.435	ppbV	96
94)	n-propylbenzene	17.750	120	1954218	50.962	ppbV	92
95)	4-chlorotoluene	17.775	126	1776435	50.676	ppbV	92
96)	4-ethyl toluene	17.875	105	5813049	55.246	ppbV	99
97)	1,3,5-trimethylbenzene	17.933	105	4914592	53.141	ppbV	100
98)	tert-butylbenzene	18.283	119	5181694	48.761	ppbV	100
99)	1,2,4-trimethylbenzene	18.283	105	4989265	52.610	ppbV	97
100)	decane	18.375	57	4296619	47.594	ppbV	95
101)	Benzyl Chloride	18.408	91	4216523	60.067	ppbV	98
102)	1,3-dichlorobenzene	18.417	146	3302704	54.612	ppbV	98
103)	1,4-dichlorobenzene	18.475	146	3315986	56.195	ppbV	98
104)	sec-butylbenzene	18.508	105	7344821	50.819	ppbV	97
105)	1,2,3-trimethylbenzene	18.642	105	5222117	49.078	ppbV	97
106)	p-isopropyltoluene	18.642	119	6168771	47.150	ppbV	100
107)	1,2-dichlorobenzene	18.758	146	3136534	50.400	ppbV	97
108)	n-butylbenzene	18.983	91	5485653	48.082	ppbV	94
109)	indan	18.808	117	4447049	52.716	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752229.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:29:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

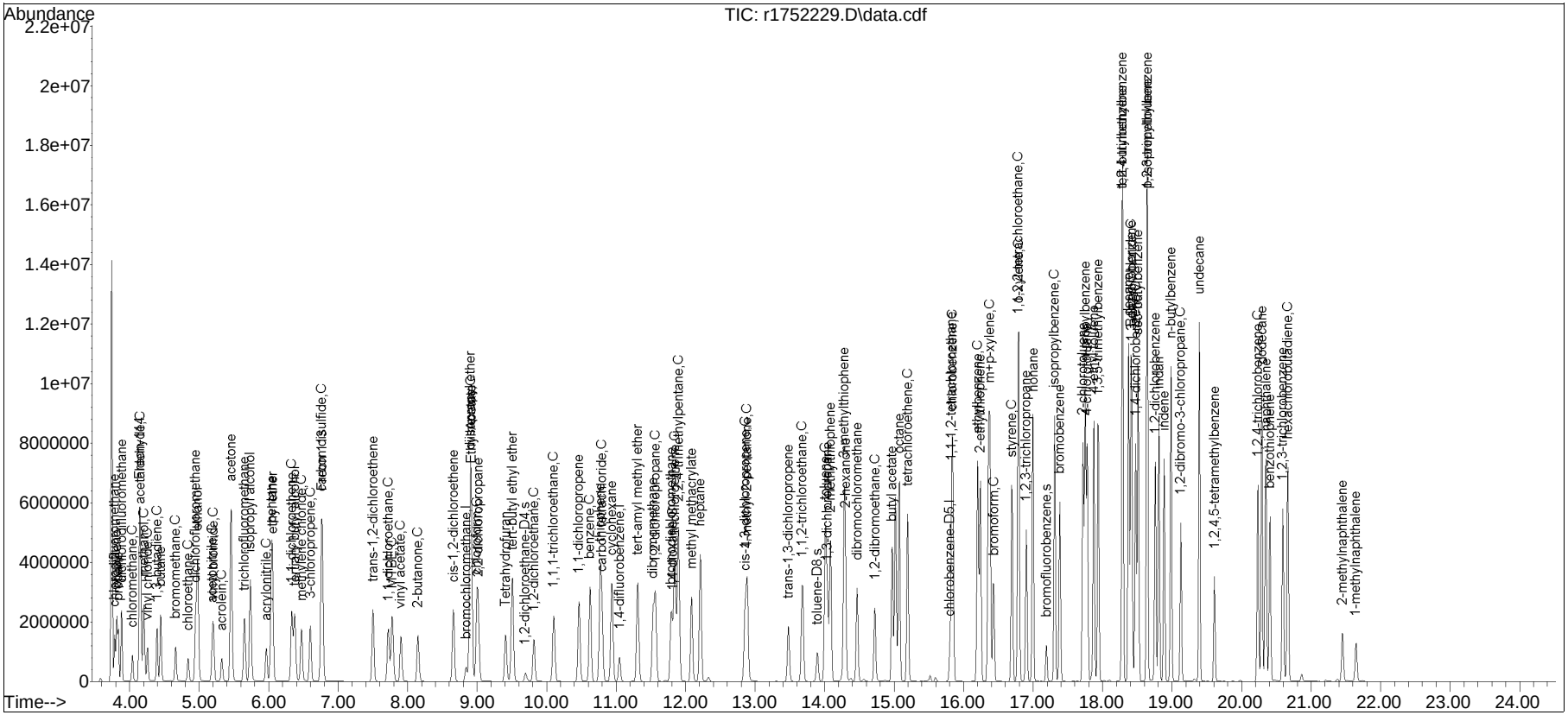
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	18.883	115	3618040	55.633	ppbV		97
111) 1,2-dibromo-3-chloropr...	19.125	75	1238052	53.419	ppbV		93
112) undecane	19.392	57	4230039	44.606	ppbV	#	93
113) 1,2,4,5-tetramethylben...	19.608	119	1810060	38.575	ppbV		99
114) dodecane	20.292	57	3647665	43.286	ppbV		95
115) 1,2,4-trichlorobenzene	20.233	180	2204715	56.176	ppbV		99
116) naphthalene	20.350	128	6639846	48.779	ppbV		98
117) 1,2,3-trichlorobenzene	20.592	180	2053602	51.352	ppbV		99
118) benzothiophene	20.408	134	4651081	41.340	ppbV		99
119) hexachlorobutadiene	20.667	225	1656180	52.568	ppbV		96
120) 2-methylnaphthalene	21.450	142	1012886	36.949	ppbV		100
121) 1-methylnaphthalene	21.642	142	844493	15.844	ppbV		99

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752229.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

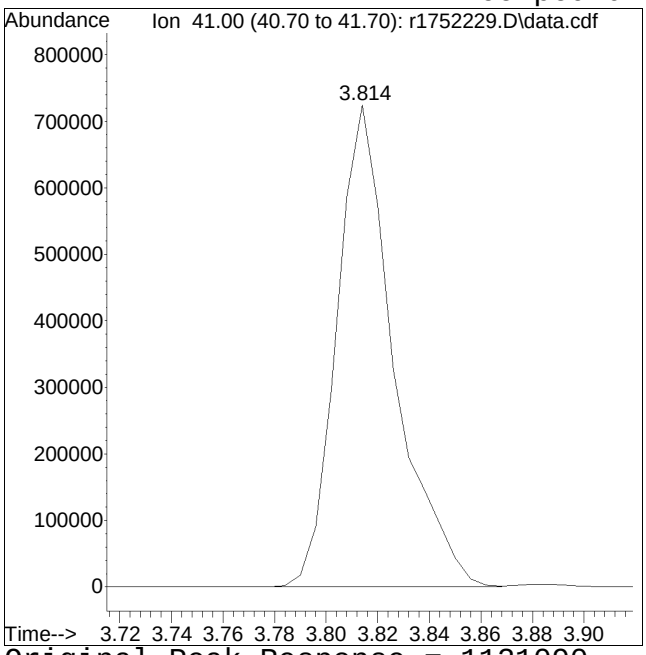
Quant Time: Nov 06 05:29:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:28:21 2025
Response via : Initial Calibration



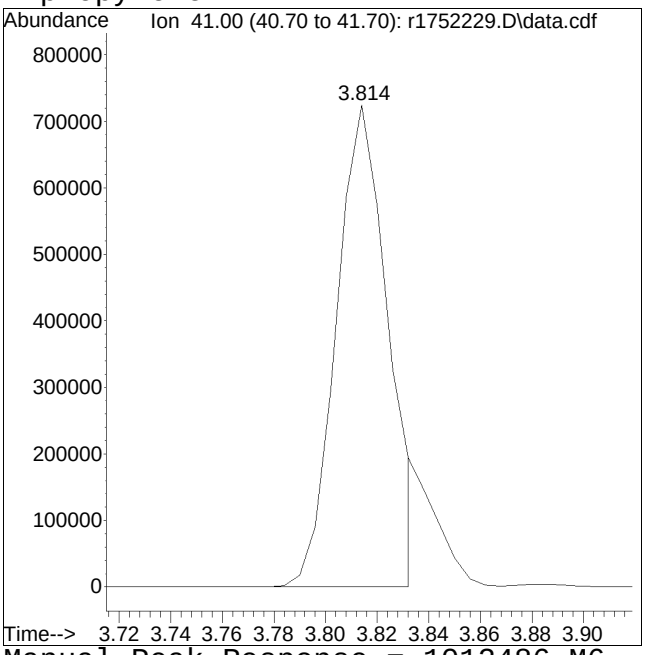
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752229.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 5:34 AM Instrument :
Sample : ITO15-SIMSTD050 Quant Date : 11/6/2025 5:29 am

Compound #3: propylene



Original Peak Response = 1121090



Manual Peak Response = 1012486 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752230.D
Acq On : 6 Nov 2025 6:13 AM
Operator : AIRLAB17:BJB
Sample : ITO15-LLSTD100
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 06:23:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:32:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.842	49	273038	10.000	ppbV		0.00
Standard Area = 268469			Recovery = 101.70%				
43) 1,4-difluorobenzene	11.043	114	838192	10.000	ppbV		0.00
Standard Area = 776598			Recovery = 107.93%				
67) chlorobenzene-D5	15.800	54	125631	10.000	ppbV	#	0.00
Standard Area = 127489			Recovery = 98.54%				
System Monitoring Compounds							
47) 1,2-dichloroethane-D4	9.692	65	201653	9.202	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.02%				
69) toluene-D8	13.892	98	807645	10.706	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.06%				
90) bromofluorobenzene	17.192	95	538712	11.169	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.69%				
Target Compounds							Qvalue
2) chlorodifluoromethane	3.784	51	2458514	88.864	ppbV		99
3) propylene	3.814	41	2051550M6	95.633	ppbV		
4) propane	3.832	29	1922603	85.340	ppbV	#	88
5) dichlorodifluoromethane	3.880	85	3326186	84.858	ppbV		99
6) chloromethane	4.036	50	1579791	90.452	ppbV		98
7) Freon-114	4.138	85	3742667	84.775	ppbV		98
8) methanol	4.204	31	3817483	364.025	ppbV		100
9) vinyl chloride	4.252	62	1939089	83.299	ppbV		99
10) 1,3-butadiene	4.390	54	1355426	85.390	ppbV		96
11) butane	4.444	43	3250157	94.160	ppbV		97
12) acetaldehyde	4.156	29	3234847	349.657	ppbV	#	80
13) bromomethane	4.660	94	1431801	82.537	ppbV		99
14) chloroethane	4.840	64	972833	83.410	ppbV		98
15) ethanol	4.984	31	5150925	307.210	ppbV	#	71
16) dichlorofluoromethane	4.948	67	3918137	84.864	ppbV		98
17) vinyl bromide	5.203	106	1839600	107.965	ppbV		98
18) acrolein	5.323	56	1093760	97.606	ppbV		95
19) acetone	5.460	43	12645931	474.346	ppbV		95
20) acetonitrile	5.193	41	2517038	112.467	ppbV		99
21) trichlorofluoromethane	5.650	101	3493970	91.549	ppbV		98
22) isopropyl alcohol	5.743	45	7935099	266.033	ppbV		99
23) acrylonitrile	5.970	53	1795469	98.755	ppbV		99
24) pentane	6.037	43	4160946	98.522	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752230.D
Acq On : 6 Nov 2025 6:13 AM
Operator : AIRLAB17:BJB
Sample : ITO15-LLSTD100
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 06:23:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:32:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.053	31	4333337	90.570	ppbV	#	93
26) 1,1-dichloroethene	6.330	61	3112964	94.188	ppbV		94
27) tertiary butyl alcohol	6.378	59	4340127	101.208	ppbV		99
28) methylene chloride	6.474	49	2107005	92.248	ppbV		99
29) 3-chloropropene	6.600	41	3139163	107.953	ppbV		96
30) carbon disulfide	6.762	76	5385969	103.598	ppbV		97
31) Freon 113	6.762	101	3979928	97.797	ppbV		94
32) trans-1,2-dichloroethene	7.500	61	3124433	100.260	ppbV		95
33) 1,1-dichloroethane	7.717	63	4192339	102.496	ppbV		98
34) MTBE	7.775	73	4853253	106.748	ppbV		96
35) vinyl acetate	7.900	43	5311340	120.902	ppbV		99
36) 2-butanone	8.150	43	4388984	105.833	ppbV		97
37) cis-1,2-dichloroethene	8.658	61	3123074	99.170	ppbV		96
38) Ethyl Acetate	8.925	61	829531	109.652	ppbV		67
39) chloroform	9.000	83	3315231	91.150	ppbV		99
40) Tetrahydrofuran	9.408	42	2445649	110.438	ppbV		98
41) 2,2-dichloropropane	9.017	77	2591864	96.476	ppbV		98
42) 1,2-dichloroethane	9.817	62	2318626	92.966	ppbV		98
44) hexane	8.908	57	3351078	81.322	ppbV		90
45) diisopropyl ether	8.900	87	1885121	87.686	ppbV		94
46) tert-butyl ethyl ether	9.508	59	7133367	90.485	ppbV		99
48) 1,1,1-trichloroethane	10.100	97	3388967	91.904	ppbV		98
49) 1,1-dichloropropene	10.463	75	2942075	95.084	ppbV		97
50) benzene	10.623	78	6583716	93.202	ppbV		97
51) thiophene	10.770	84	5158519	86.088	ppbV		97
52) carbon tetrachloride	10.797	117	2918722	91.885	ppbV		96
53) cyclohexane	10.937	56	3852680	89.502	ppbV		94
54) tert-amyl methyl ether	11.310	73	5964631	104.079	ppbV		97
55) dibromomethane	11.530	93	2247866	89.323	ppbV		94
56) 1,2-dichloropropane	11.563	63	2944785	100.684	ppbV		98
57) bromodichloromethane	11.790	83	3418668	91.884	ppbV		99
58) 1,4-dioxane	11.817	88	1642133	99.765	ppbV		97
59) trichloroethene	11.843	130	3156567	92.502	ppbV		98
60) 2,2,4-trimethylpentane	11.897	57	11422169	86.341	ppbV	#	94
61) methyl methacrylate	12.083	41	3279900	106.878	ppbV		95
62) heptane	12.210	43	4176317	97.572	ppbV		93
63) cis-1,3-dichloropropene	12.850	75	3356180	104.471	ppbV		98
64) 4-methyl-2-pentanone	12.883	43	5249518	102.998	ppbV		95
65) trans-1,3-dichloropropene	13.475	75	2458992	106.898	ppbV		100
66) 1,1,2-trichloroethane	13.683	97	2956552	99.688	ppbV		96

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752230.D
Acq On : 6 Nov 2025 6:13 AM
Operator : AIRLAB17:BJB
Sample : ITO15-LLSTD100
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 06:23:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:32:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	14.008	91	8236968	94.491	ppbV		100
70)	2-methylthiophene	14.083	97	7601518	95.602	ppbV		100
71)	1,3-dichloropropane	14.042	76	3652116	102.452	ppbV		98
72)	2-hexanone	14.300	43	5029500	115.320	ppbV		93
73)	3-methylthiophene	14.283	97	7601482	94.001	ppbV		99
74)	dibromochloromethane	14.467	129	3880335	104.099	ppbV		96
75)	1,2-dibromoethane	14.725	107	4011569	109.825	ppbV		97
76)	butyl acetate	14.967	73	980807	116.365	ppbV		77
77)	octane	15.075	85	2990675	96.566	ppbV		91
78)	tetrachloroethene	15.192	166	3353428	101.628	ppbV		93
79)	1,1,1,2-tetrachloroethane	15.825	131	3064177	97.580	ppbV		99
80)	chlorobenzene	15.842	112	6754291	104.879	ppbV		98
81)	ethylbenzene	16.200	91	10635038	96.496	ppbV	#	88
82)	2-ethylthiophene	16.242	97	8702472	96.238	ppbV		94
83)	m+p-xylene	16.375	91	16272889	184.955	ppbV		90
84)	bromoform	16.433	173	3293877	115.393	ppbV		98
85)	styrene	16.692	104	7266807	113.524	ppbV		97
86)	1,1,2,2-tetrachloroethane	16.783	83	5762740	99.923	ppbV		98
87)	o-xylene	16.792	91	7730069	87.468	ppbV	#	84
88)	1,2,3-trichloropropane	16.900	75	4390391	105.541	ppbV		97
89)	nonane	16.992	43	6279788	103.562	ppbV		88
91)	isopropylbenzene	17.308	105	11328814	101.215	ppbV		95
92)	bromobenzene	17.383	77	5760222	103.385	ppbV		97
93)	2-chlorotoluene	17.717	126	3506254	106.654	ppbV		85
94)	n-propylbenzene	17.750	120	3893930	107.607	ppbV	#	64
95)	4-chlorotoluene	17.775	126	3501584	105.442	ppbV		82
96)	4-ethyl toluene	17.875	105	11185137	106.769	ppbV		98
97)	1,3,5-trimethylbenzene	17.933	105	9589973	103.795	ppbV		98
98)	tert-butylbenzene	18.283	119	9320589	89.959	ppbV		100
99)	1,2,4-trimethylbenzene	18.292	105	8800896	94.985	ppbV	#	88
100)	decane	18.375	57	7821130	91.874	ppbV	#	83
101)	Benzyl Chloride	18.408	91	7903210	121.779	ppbV		92
102)	1,3-dichlorobenzene	18.417	146	6483138	112.313	ppbV		96
103)	1,4-dichlorobenzene	18.475	146	6419694	112.420	ppbV		96
104)	sec-butylbenzene	18.508	105	13579110	97.844	ppbV	#	89
105)	1,2,3-trimethylbenzene	18.642	105	8953441	87.658	ppbV		97
106)	p-isopropyltoluene	18.642	119	10906193	85.904	ppbV		98
107)	1,2-dichlorobenzene	18.758	146	5764398	97.446	ppbV		94
108)	n-butylbenzene	18.983	91	10328866	96.208	ppbV	#	86
109)	indan	18.808	117	8693439	104.204	ppbV		100

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752230.D
Acq On : 6 Nov 2025 6:13 AM
Operator : AIRLAB17:BJB
Sample : ITO15-LLSTD100
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 06:23:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:32:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default - All compounds listed

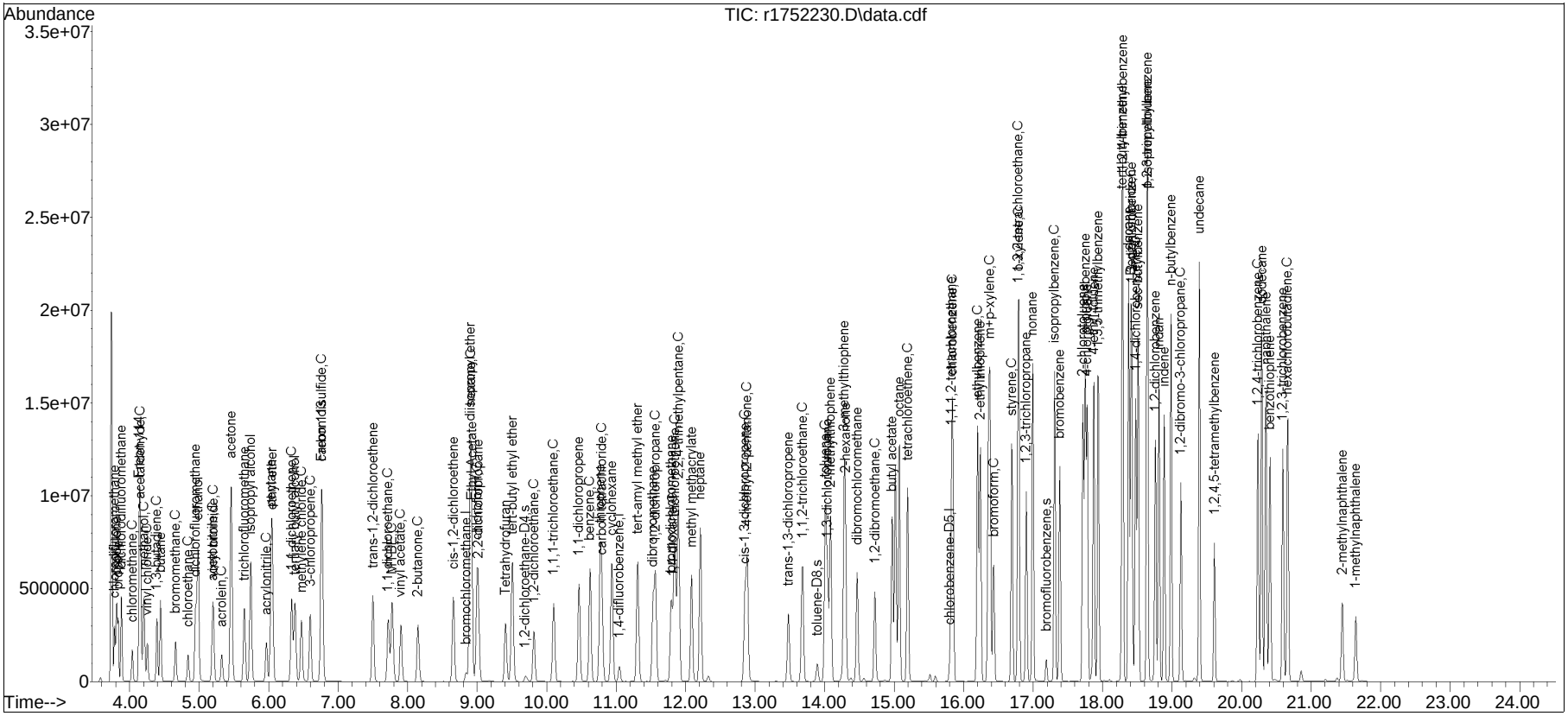
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	18.883	115	7311697	113.995	ppbV		97
111) 1,2-dibromo-3-chloropr...	19.125	75	2590513	116.002	ppbV		92
112) undecane	19.392	57	7865679	91.691	ppbV	#	80
113) 1,2,4,5-tetramethylben...	19.608	119	3824639	103.519	ppbV		98
114) dodecane	20.292	57	7154124	100.495	ppbV	#	83
115) 1,2,4-trichlorobenzene	20.233	180	4802160	140.479	ppbV		99
116) naphthalene	20.350	128	13557162	111.926	ppbV		96
117) 1,2,3-trichlorobenzene	20.592	180	4543995	132.050	ppbV		99
118) benzothiophene	20.408	134	10090967	130.122	ppbV		99
119) hexachlorobutadiene	20.658	225	3446841	112.640	ppbV		95
120) 2-methylnaphthalene	21.450	142	2628609	143.017	ppbV		99
121) 1-methylnaphthalene	21.642	142	2158991	79.573	ppbV		98

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

Sub List : Default - All compounds listed1\1105T_I\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752230.D
Acq On : 6 Nov 2025 6:13 AM
Operator : AIRLAB17:BJB
Sample : ITO15-LLSTD100
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

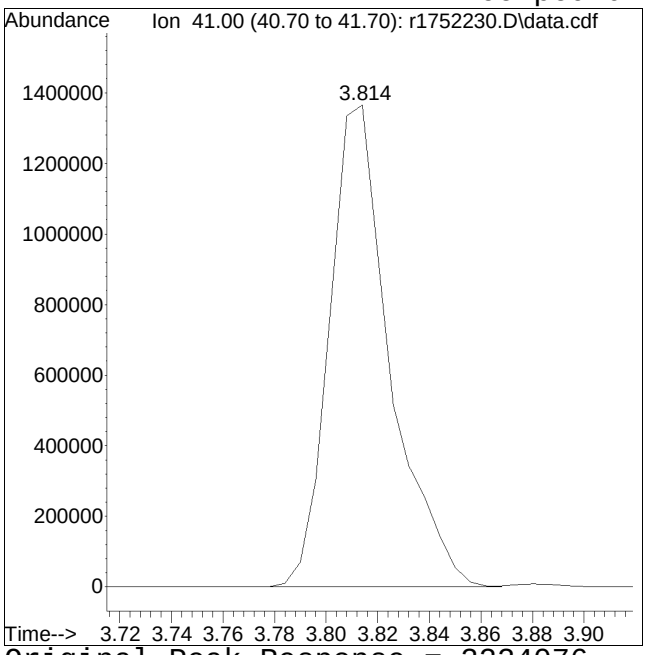
Quant Time: Nov 06 06:23:41 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:32:34 2025
Response via : Initial Calibration



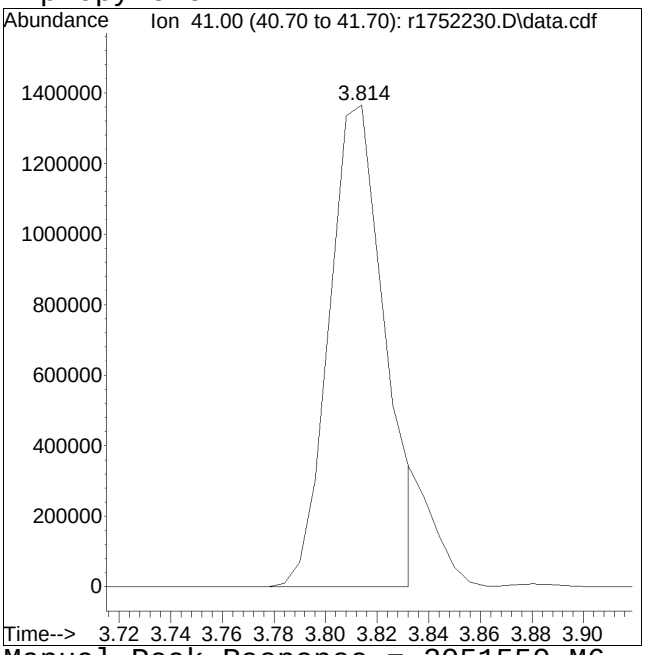
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752230.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 6:13 AM Instrument :
Sample : ITO15-LLSTD100 Quant Date : 11/6/2025 6:23 am

Compound #3: propylene



Original Peak Response = 2224076



Manual Peak Response = 2051550 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	101	-0.03
2		chlorodifluoromethane	0.999	0.940	5.9	88	-0.02
3		propylene	0.718	0.781	-8.8	107	-0.02
4		propane	0.808	0.748	7.4	87	-0.02
5		dichlorodifluoromethane	1.408	1.447	-2.8	97	-0.02
6	C	chloromethane	0.632	0.613	3.0	94	-0.02
7		Freon-114	1.586	1.787	-12.7	107	-0.02
8	C	methanol	0.367	0.269	26.7	63	-0.02
9	C	vinyl chloride	0.835	0.826	1.1	93	-0.02
10	C	1,3-butadiene	0.571	0.539	5.6	95	-0.02
11		butane	1.255	1.213	3.3	92	-0.02
13	C	bromomethane	0.621	0.669	-7.7	103	-0.02
14	C	chloroethane	0.418	0.423	-1.2	94	-0.02
15		ethanol	0.575	0.478	16.9	68	-0.02
16		dichlorofluoromethane	1.659	1.386	16.5	76	-0.03
17	C	vinyl bromide	0.630	0.749	-18.9	118	-0.02
18	C	acrolein	0.409	0.335	18.1	78	-0.02
19		acetone	0.970	1.014	-4.5	103	-0.02
20	C	acetonitrile	0.831	0.844	-1.6	98	-0.02
21		trichlorofluoromethane	1.383	1.544	-11.6	104	-0.02
22		isopropyl alcohol	1.101	1.039	5.6	96	-0.02
23	C	acrylonitrile	0.665	0.603	9.3	83	-0.02
24		pentane	1.544	1.502	2.7	95	-0.03
25		ethyl ether	1.732	1.407	18.8	71	-0.03
26	C	1,1-dichloroethene	1.202	1.402	-16.6	110	-0.02
27		tertiary butyl alcohol	1.573	1.430	9.1	88	-0.02
28	C	methylene chloride	0.827	0.900	-8.8	104	-0.02
29	C	3-chloropropene	1.076	1.273	-18.3	117	-0.03
30	C	carbon disulfide	1.913	2.174	-13.6	111	-0.02
31		Freon 113	1.486	1.808	-21.7	116	-0.03
32		trans-1,2-dichloroethene	1.142	1.275	-11.6	109	-0.03
33	C	1,1-dichloroethane	1.503	1.780	-18.4	114	-0.02
34	C	MTBE	1.679	1.919	-14.3	112	-0.02
35	C	vinyl acetate	1.665	1.165	30.0#	71	-0.02
36	C	2-butanone	1.532	1.636	-6.8	101	-0.03
37		cis-1,2-dichloroethene	1.152	1.331	-15.5	109	-0.03
38		Ethyl Acetate	0.280	0.333	-18.9	112	-0.03
39	C	chloroform	1.317	1.416	-7.5	100	-0.03
40		Tetrahydrofuran	0.822	1.010	-22.9	123	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.980	0.938	4.3	87	-0.03
42	C	1,2-dichloroethane	0.905	0.959	-6.0	100	-0.03
43	I	1,4-difluorobenzene	1.000	1.000	0.0	116	-0.02
44	C	hexane	0.480	0.452	5.8	102	-0.02
45		diisopropyl ether	0.253	0.217	14.2	90	-0.02
46		tert-butyl ethyl ether	0.929	0.814	12.4	90	-0.03
47	s	1,2-dichloroethane-D4	0.259	0.228	12.0	97	-0.02
48	C	1,1,1-trichloroethane	0.435	0.408	6.2	94	-0.02
49		1,1-dichloropropene	0.367	0.345	6.0	99	-0.03
50	C	benzene	0.836	0.818	2.2	106	-0.03
52	C	carbon tetrachloride	0.375	0.360	4.0	102	-0.03
53		cyclohexane	0.507	0.478	5.7	103	-0.03
54		tert-amyl methyl ether	0.687	0.653	4.9	101	-0.03
55		dibromomethane	0.296	0.267	9.8	94	-0.03
56	C	1,2-dichloropropane	0.349	0.373	-6.9	115	-0.03
57		bromodichloromethane	0.439	0.413	5.9	102	-0.03
58	C	1,4-dioxane	0.196	0.187	4.6	104	-0.03
59	C	trichloroethene	0.403	0.404	-0.2	105	-0.03
60	C	2,2,4-trimethylpentane	1.551	1.487	4.1	106	-0.03
61		methyl methacrylate	0.370	0.337	8.9	96	-0.02
62		heptane	0.509	0.515	-1.2	114	-0.02
63	C	cis-1,3-dichloropropene	0.385	0.439	-14.0	123	-0.02
64	C	4-methyl-2-pentanone	0.611	0.615	-0.7	111	-0.03
65		trans-1,3-dichloropropene	0.277	0.343	-23.8	135	-0.02
66	C	1,1,2-trichloroethane	0.354	0.375	-5.9	114	-0.03
67	I	chlorobenzene-D5	1.000	1.000	0.0	104	-0.02
68	C	toluene	6.891	7.450	-8.1	107	-0.03
69	s	toluene-D8	6.058	6.364	-5.1	117	-0.03
71		1,3-dichloropropane	2.846	2.696	5.3	93	-0.02
72		2-hexanone	3.451	3.784	-9.6	104	-0.03
74		dibromochloromethane	2.982	3.160	-6.0	106	-0.02
75	C	1,2-dibromoethane	2.943	3.533	-20.0	123	-0.02
76		butyl acetate	0.687	0.689	-0.3	99	-0.02
77		octane	2.455	2.288	6.8	90	-0.02
78	C	tetrachloroethene	2.632	2.870	-9.0	110	-0.02
79		1,1,1,2-tetrachloroethane	2.492	2.360	5.3	90	-0.02
80	C	chlorobenzene	5.157	5.768	-11.8	113	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	8.734	9.658	-10.6	108	-0.02
83	C	m+p-xylene	6.937	7.773	-12.1	109	-0.02
84	C	bromoform	2.316	2.441	-5.4	105	-0.02
85	C	styrene	5.181	6.301	-21.6	120	-0.02
86	C	1,1,2,2-tetrachloroethane	4.590	5.073	-10.5	110	-0.02
87	C	o-xylene	6.924	7.850	-13.4	109	-0.02
88		1,2,3-trichloropropane	3.334	3.266	2.0	96	-0.02
89		nonane	4.848	4.895	-1.0	98	-0.02
90	s	bromofluorobenzene	3.895	4.345	-11.6	119	-0.02
91	C	isopropylbenzene	8.923	9.209	-3.2	99	-0.02
92		bromobenzene	4.454	4.295	3.6	93	-0.02
93		2-chlorotoluene	2.639	2.581	2.2	95	0.00
94		n-propylbenzene	2.908	2.858	1.7	94	-0.02
95		4-chlorotoluene	2.661	2.534	4.8	91	-0.02
96		4-ethyl toluene	8.409	9.510	-13.1	114	-0.02
97		1,3,5-trimethylbenzene	7.389	8.920	-20.7	121	-0.02
98		tert-butylbenzene	8.144	8.247	-1.3	98	0.00
99		1,2,4-trimethylbenzene	7.329	8.991	-22.7	119	-0.02
100		decane	6.707	6.808	-1.5	95	-0.02
101	C	Benzyl Chloride	5.306	5.102	3.8	91	-0.02
102		1,3-dichlorobenzene	4.634	5.629	-21.5	117	0.00
103	C	1,4-dichlorobenzene	4.616	5.529	-19.8	118	-0.02
104		sec-butylbenzene	11.017	11.323	-2.8	98	-0.02
106		p-isopropyltoluene	9.928	9.749	1.8	94	-0.02
107		1,2-dichlorobenzene	4.694	5.413	-15.3	109	-0.02
108		n-butylbenzene	8.505	9.124	-7.3	101	-0.02
111	C	1,2-dibromo-3-chloropropane	1.813	1.661	8.4	90	-0.02
112		undecane	6.757	7.361	-8.9	98	-0.02
114		dodecane	5.670	6.482	-14.3	97	-0.02
115	C	1,2,4-trichlorobenzene	2.859	3.761	-31.5#	120	-0.02
116		naphthalene	9.785	10.001	-2.2	92	-0.02
117		1,2,3-trichlorobenzene	2.849	3.136	-10.1	99	-0.02
119	C	hexachlorobutadiene	2.474	3.050	-23.3	122	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 2

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.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	271589	10.000	ppbV	-0.03
Standard Area = 268469			Recovery = 101.16%			
43) 1,4-difluorobenzene	11.030	114	898206	10.000	ppbV	-0.02
Standard Area = 776598			Recovery = 115.66%			
67) chlorobenzene-D5	15.792	54	132692	10.000	ppbV	-0.02
Standard Area = 127489			Recovery = 104.08%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.675	65	204936	8.815	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.15%			
69) toluene-D8	13.875	98	844490	10.506	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.06%			
90) bromofluorobenzene	17.175	95	576568	11.155	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.55%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.772	51	255402	9.412	ppbV	98
3) propylene	3.802	41	212053M6	10.868	ppbV	
4) propane	3.826	29	203087	9.257	ppbV	93
5) dichlorodifluoromethane	3.868	85	393061	10.276	ppbV	99
6) chloromethane	4.024	50	166455	9.697	ppbV	98
7) Freon-114	4.126	85	485364	11.267	ppbV	94
8) methanol	4.180	31	365530	36.706	ppbV	100
9) vinyl chloride	4.240	62	224461	9.900	ppbV	99
10) 1,3-butadiene	4.378	54	146328	9.440	ppbV	91
11) butane	4.432	43	329495	9.667	ppbV	98
13) bromomethane	4.642	94	181733	10.767	ppbV	99
14) chloroethane	4.822	64	114977	10.120	ppbV	96
15) ethanol	4.948	31	649661	41.629	ppbV #	83
16) dichlorofluoromethane	4.924	67	376419	8.355	ppbV	99
17) vinyl bromide	5.187	106	203537	11.891	ppbV	99
18) acrolein	5.307	56	90958	8.188	ppbV	97
19) acetone	5.440	43	1376517	52.243	ppbV	95
20) acetonitrile	5.167	41	229320	10.157	ppbV	98
21) trichlorofluoromethane	5.633	101	419344	11.164	ppbV	97
22) isopropyl alcohol	5.707	45	705395	23.586	ppbV	99
23) acrylonitrile	5.943	53	163765	9.070	ppbV	98
24) pentane	6.020	43	407883	9.727	ppbV	97
25) ethyl ether	6.037	31	381999	8.122	ppbV	98

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.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	380712	11.665	ppbV	97
27) tertiary butyl alcohol	6.348	59	388312	9.088	ppbV	97
28) methylene chloride	6.450	49	244517	10.883	ppbV	97
29) 3-chloropropene	6.576	41	345697	11.834	ppbV	97
30) carbon disulfide	6.744	76	590368	11.365	ppbV	98
31) Freon 113	6.744	101	491021	12.163	ppbV	97
32) trans-1,2-dichloroethene	7.483	61	346395	11.171	ppbV	98
33) 1,1-dichloroethane	7.700	63	483372	11.844	ppbV	98
34) MTBE	7.758	73	521246	11.430	ppbV	96
35) vinyl acetate	7.883	43	316534	7.000	ppbV	98
36) 2-butanone	8.125	43	444365	10.683	ppbV	98
37) cis-1,2-dichloroethene	8.633	61	361434	11.550	ppbV	98
38) Ethyl Acetate	8.900	61	90418	11.872	ppbV	90
39) chloroform	8.967	83	384479	10.746	ppbV	99
40) Tetrahydrofuran	9.392	42	274345	12.294	ppbV	99
41) 2,2-dichloropropane	8.992	77	254831	9.578	ppbV	96
42) 1,2-dichloroethane	9.792	62	260573	10.597	ppbV	99
44) hexane	8.892	57	406365	9.422	ppbV	90
45) diisopropyl ether	8.883	87	195034	8.598	ppbV	85
46) tert-butyl ethyl ether	9.483	59	731490	8.763	ppbV	99
48) 1,1,1-trichloroethane	10.083	97	366779	9.377	ppbV	99
49) 1,1-dichloropropene	10.443	75	309602	9.395	ppbV	98
50) benzene	10.603	78	734555	9.787	ppbV	97
52) carbon tetrachloride	10.777	117	323755	9.609	ppbV	96
53) cyclohexane	10.917	56	429033	9.425	ppbV	97
54) tert-amyl methyl ether	11.290	73	586863	9.508	ppbV	97
55) dibromomethane	11.510	93	239814	9.013	ppbV	98
56) 1,2-dichloropropane	11.543	63	334803	10.673	ppbV	98
57) bromodichloromethane	11.770	83	371406	9.411	ppbV	98
58) 1,4-dioxane	11.803	88	167765	9.514	ppbV	99
59) trichloroethene	11.823	130	363047	10.022	ppbV	100
60) 2,2,4-trimethylpentane	11.877	57	1335584	9.585	ppbV	97
61) methyl methacrylate	12.070	41	302924	9.122	ppbV	97
62) heptane	12.197	43	462591	10.116	ppbV	95
63) cis-1,3-dichloropropene	12.833	75	394692	11.401	ppbV	98
64) 4-methyl-2-pentanone	12.867	43	552229	10.068	ppbV	98
65) trans-1,3-dichloropropene	13.458	75	307886	12.383	ppbV	99
66) 1,1,2-trichloroethane	13.658	97	336762	10.600	ppbV	95
68) toluene	13.992	91	988590	10.812	ppbV	98
71) 1,3-dichloropropane	14.017	76	357787	9.474	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 2-hexanone	14.283	43	502083	10.963	ppbV	95
74) dibromochloromethane	14.450	129	419355	10.597	ppbV	97
75) 1,2-dibromoethane	14.708	107	468754	12.003	ppbV	97
76) butyl acetate	14.958	73	91369	10.029	ppbV	93
77) octane	15.058	85	303647	9.323	ppbV	93
78) tetrachloroethene	15.175	166	380780	10.904	ppbV	94
79) 1,1,1,2-tetrachloroethane	15.817	131	313106	9.469	ppbV	99
80) chlorobenzene	15.833	112	765311	11.183	ppbV	97
81) ethylbenzene	16.183	91	1281575	11.058	ppbV	95
83) m+p-xylene	16.358	91	2062820	22.409	ppbV	97
84) bromoform	16.417	173	323861	10.539	ppbV	99
85) styrene	16.683	104	836048	12.160	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.775	83	673157	11.052	ppbV	98
87) o-xylene	16.775	91	1041580	11.336	ppbV	93
88) 1,2,3-trichloropropane	16.892	75	433403	9.796	ppbV	99
89) nonane	16.983	43	649535	10.097	ppbV	96
91) isopropylbenzene	17.300	105	1222024	10.321	ppbV	99
92) bromobenzene	17.367	77	569972	9.645	ppbV	97
93) 2-chlorotoluene	17.708	126	342435	9.781	ppbV	91
94) n-propylbenzene	17.733	120	379230	9.829	ppbV	96
95) 4-chlorotoluene	17.767	126	336209	9.521	ppbV	99
96) 4-ethyl toluene	17.858	105	1261922	11.309	ppbV	97
97) 1,3,5-trimethylbenzene	17.925	105	1183594	12.071	ppbV	98
98) tert-butylbenzene	18.275	119	1094283	10.127	ppbV	96
99) 1,2,4-trimethylbenzene	18.275	105	1193039	12.268	ppbV	90
100) decane	18.358	57	903335	10.150	ppbV	98
101) Benzyl Chloride	18.392	91	676949	9.614	ppbV	100
102) 1,3-dichlorobenzene	18.408	146	746891	12.148	ppbV	99
103) 1,4-dichlorobenzene	18.458	146	733687	11.979	ppbV	98
104) sec-butylbenzene	18.500	105	1502456	10.278	ppbV	99
106) p-isopropyltoluene	18.625	119	1293557	9.820	ppbV	99
107) 1,2-dichlorobenzene	18.742	146	718225	11.532	ppbV	99
108) n-butylbenzene	18.975	91	1210660	10.727	ppbV	98
111) 1,2-dibromo-3-chloropr...	19.117	75	220402	9.161	ppbV	98
112) undecane	19.383	57	976743	10.893	ppbV	97
114) dodecane	20.283	57	860149	11.433	ppbV	99
115) 1,2,4-trichlorobenzene	20.225	180	499034	13.156	ppbV	98
116) naphthalene	20.333	128	1327050	10.221	ppbV	99
117) 1,2,3-trichlorobenzene	20.583	180	416058	11.006	ppbV	99
119) hexachlorobutadiene	20.658	225	404686	12.326	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105T_I\r1752227.D
Sub List : Default-ICV-AP2 - All compounds listed

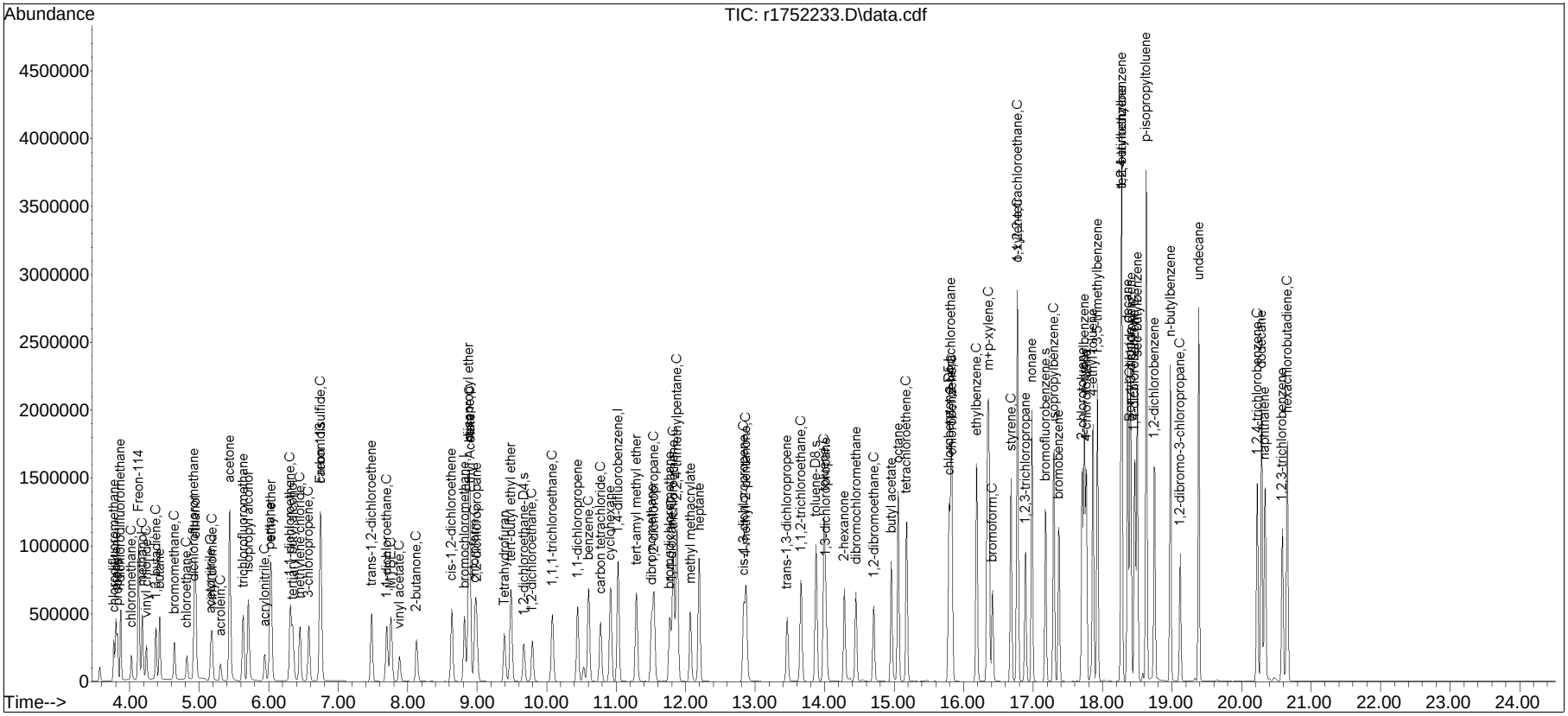
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sub List : Default-ICV-AP2 - All compounds listedI\r1752227.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105T_I\
Data File : r1752233.D
Acq On : 6 Nov 2025 10:04 AM
Operator : AIRLAB17:BJB
Sample : CTO15-LLSTD10.0
Misc : WG2138291
ALS Vial : 0 Sample Multiplier: 1

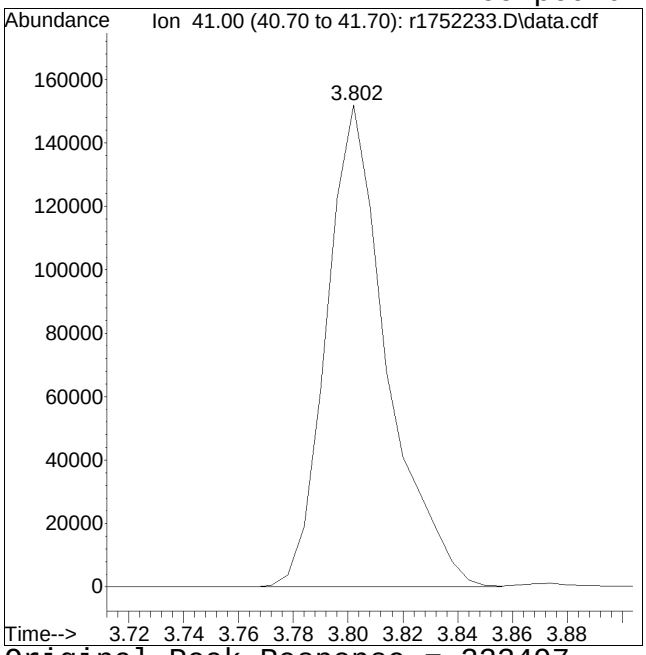
Quant Time: Nov 06 18:02:34 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration



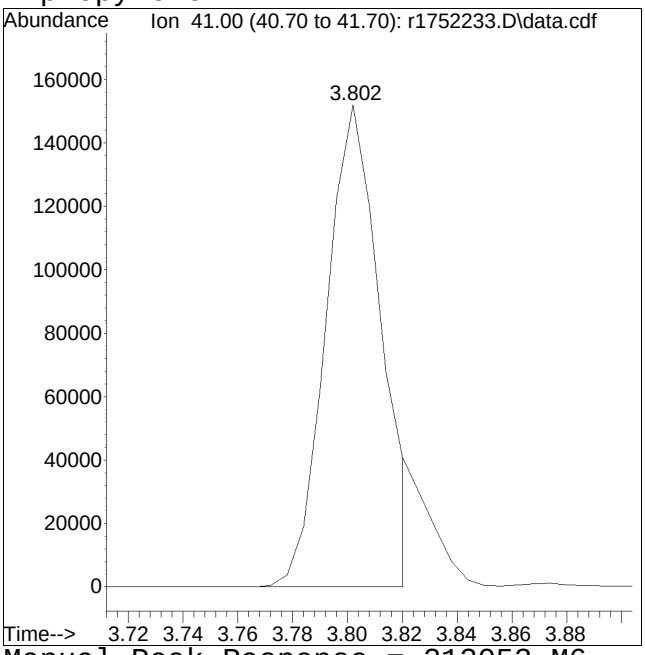
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752233.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 10:04 AM Instrument :
Sample : CTO15-LLSTD10.0 Quant Date : 11/6/2025 6:02 pm

Compound #3: propylene



Original Peak Response = 233497



Manual Peak Response = 212053 M6

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

Response Factor Report Airlab 23

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Method File : TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025
Response Via : Initial Calibration

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	1.183	1.193	1.284	1.057	0.967	0.951	0.911	0.823	1.046	15.33
3)		propylene		0.484	0.454	0.395	0.349	0.397	0.374	0.387	0.406	11.57
4)		propane		0.333	0.336	0.286	0.273	0.283	0.275	0.274	0.294	9.47
5)		dichlorodifluo...	3.097	2.941	3.061	2.700	2.546	2.572	2.418	2.296	2.704	11.08
6)	C	chloromethane	0.869	0.815	0.826	0.712	0.714	0.726	0.689	0.647	0.750	10.29
7)		Freon-114	3.722	3.589	3.678	3.227	3.160	3.124	2.902	2.527	3.241	12.72
8)	C	methanol			0.229	0.190	0.185	0.189	0.183	0.173	0.192	10.16
9)	C	vinyl chloride	1.185	1.125	1.083	0.968	0.953	0.944	0.881	0.827	0.996	12.41
10)	C	1,3-butadiene	0.754	0.741	0.707	0.583	0.574	0.626	0.589	0.548	0.640	12.76
11)		butane	1.518	1.362	1.297	1.140	1.144	1.143	1.066	0.983	1.207	14.40
13)	C	bromomethane	1.371	1.352	1.369	1.189	1.187	1.183	1.096	0.980	1.216	11.58
14)	C	chloroethane	0.660	0.651	0.643	0.563	0.574	0.567	0.530	0.482	0.584	10.79
15)		ethanol			0.379	0.389	0.378	0.400	0.382	0.385	0.386	2.11
16)		dichlorofluoro...	2.120	2.071	2.080	1.867	1.856	1.933	1.912	2.029	1.983	5.22
17)	C	vinyl bromide	0.952	0.995	0.957	0.836	0.832	0.956	0.947	0.904	0.922	6.50
18)	C	acrolein		0.336	0.343	0.313	0.317	0.329	0.325	0.313	0.325	3.60
19)		acetone	1.163	1.078	1.064	0.871	0.857	0.946	0.934	0.899	0.977	11.41
20)	C	acetonitrile	0.677	0.556	0.510	0.465	0.462	0.555	0.484	0.472	0.523	13.93
21)		trichlorofluor...	3.193	3.146	3.059	2.808	2.755	2.813	2.714	2.588	2.884	7.63
22)		isopropyl alcohol	1.210	1.124	1.101	0.922	0.864	1.009	1.002	0.990	1.028	10.93
23)	C	acrylonitrile	0.636	0.531	0.609	0.526	0.528	0.551	0.564	0.576	0.565	7.11
24)		pentane	1.151	1.256	1.219	1.076	1.044	1.077	1.075	1.081	1.122	6.92
25)		ethyl ether	0.574	0.578	0.545	0.498	0.491	0.512	0.520	0.567	0.536	6.52
26)	C	1,1-dichloroet...	1.874	1.434	1.457	1.576	1.530	1.537	1.466	1.447	1.540	9.35
27)		tertiary butyl...		1.284	1.386	1.374	1.144	1.032	1.037	1.772	1.290	20.02
28)	C	methylene chlo...		0.957	0.953	0.827	0.793	0.915	0.886	0.743	0.868	9.50
29)	C	3-chloropropene	0.869	0.769	0.736	0.624	0.601	0.675	0.662	0.655	0.699	12.58
30)	C	carbon disulfide	2.466	2.614	2.530	2.119	2.055	2.283	2.226	2.180	2.309	8.84
31)		Freon 113	2.565	2.582	2.520	2.231	2.165	2.209	2.159	2.087	2.315	8.84
32)		trans-1,2-dich...	1.214	1.218	1.205	1.043	1.026	1.150	1.107	1.058	1.128	7.09

Response Factor Report Airlab 23

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Method File : TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025
Response Via : Initial Calibration

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
33)	C	1,1-dichloroet...	1.711	1.732	1.684	1.573	1.538	1.557	1.483	1.414	1.587	7.14
34)	C	MTBE	2.634	2.698	2.649	2.209	2.151	2.360	2.252	2.139	2.386	9.95
35)	C	vinyl acetate			1.542	1.068	1.162	1.443	1.514	1.521	1.375	15.02
36)	C	2-butanone			1.363	1.360	1.158	1.132	1.270	1.242	1.204	1.247	7.31
37)		cis-1,2-dichlo...	1.282	1.295	1.290	1.199	1.184	1.216	1.171	1.116	1.219	5.32
38)		Ethyl Acetate			0.249	0.242	0.219	0.213	0.237	0.240	0.233	0.233	5.52
39)	C	chloroform	2.507	2.435	2.424	2.197	2.136	2.164	2.111	2.052	2.253	7.73
40)		Tetrahydrofuran	0.768	0.772	0.735	0.539	0.538	0.610	0.602	0.588	0.644	15.33
41)		2,2-dichloropr...	1.839	1.851	1.887	1.760	1.741	1.792	1.782	1.782	1.804	2.75
42)	C	1,2-dichloroet...	1.385	1.454	1.393	1.304	1.298	1.330	1.298	1.254	1.340	4.90
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.289	0.287	0.287	0.227	0.237	0.260	0.270	0.270	0.266	8.83
45)		diisopropyl ether	0.213	0.205	0.221	0.201	0.208	0.212	0.212	0.208	0.210	2.89
46)		tert-butyl eth...	0.641	0.628	0.649	0.587	0.605	0.608	0.599	0.586	0.613	3.90
47)	s	1,2-dichloroet...				0.269	0.280	0.278	0.280	0.271	0.276	1.92
48)	C	1,1,1-trichlor...	0.641	0.619	0.644	0.570	0.593	0.608	0.597	0.650	0.615	4.62
49)		1,1-dichloropr...	0.385	0.375	0.389	0.355	0.375	0.381	0.369	0.355	0.373	3.39
50)	C	benzene	0.782	0.774	0.788	0.698	0.722	0.722	0.695	0.648	0.729	6.81
52)	C	carbon tetrach...	0.704	0.709	0.714	0.625	0.645	0.665	0.672	0.663	0.675	4.76
53)		cyclohexane	0.314	0.285	0.289	0.233	0.239	0.262	0.259	0.256	0.267	10.20
54)		tert-amyl meth...	0.673	0.660	0.673	0.620	0.653	0.679	0.673	0.655	0.661	2.90
55)		dibromomethane	0.347	0.343	0.360	0.330	0.344	0.356	0.352	0.342	0.347	2.70
56)	C	1,2-dichloropr...	0.253	0.231	0.235	0.219	0.223	0.226	0.222	0.219	0.229	4.94
57)		bromodichlorom...	0.560	0.576	0.581	0.493	0.513	0.569	0.567	0.546	0.550	5.75
58)	C	1,4-dioxane	0.162	0.161	0.170	0.147	0.150	0.170	0.169	0.167	0.162	5.53
59)	C	trichloroethene	0.460	0.446	0.468	0.406	0.421	0.427	0.431	0.423	0.435	4.82
60)	C	2,2,4-trimethy...	0.896	0.888	0.902	0.732	0.747	0.808	0.802	0.804	0.822	8.08
61)		methyl methacr...			0.234	0.224	0.206	0.214	0.222	0.228	0.235	0.223	4.81
62)		heptane	0.287	0.263	0.263	0.216	0.225	0.247	0.255	0.261	0.252	8.98
63)	C	cis-1,3-dichlo...	0.364	0.386	0.393	0.377	0.397	0.414	0.410	0.395	0.392	4.17
64)	C	4-methyl-2-pen...			0.375	0.380	0.334	0.347	0.377	0.377	0.373	0.366	4.89

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Method File : TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025
Response Via : Initial Calibration

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
65)		trans-1,3-dich...	0.273	0.286	0.312	0.301	0.322	0.336	0.336	0.322	0.311	7.33
66)	C	1,1,2-trichlor...	0.402	0.361	0.377	0.344	0.356	0.363	0.351	0.330	0.360	6.07
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	7.888	7.523	7.632	6.705	6.716	6.830	6.209	5.880	6.923	10.20
69)	s	toluene-D8			6.647	6.429	6.379	6.517	6.001	5.904	6.313	4.67
71)		1,3-dichloropr...	3.247	3.204	3.319	2.932	2.893	2.959	2.702	2.709	2.996	7.93
72)		2-hexanone	2.499	2.489	2.596	2.285	2.271	2.605	2.589	2.551	2.486	5.44
74)		dibromochlorom...	5.175	4.771	5.078	4.271	4.361	5.040	4.801	4.681	4.772	6.89
75)	C	1,2-dibromoethane	4.349	4.115	4.348	3.940	4.029	4.164	3.883	3.731	4.070	5.37
76)		butyl acetate			0.876	0.858	0.803	0.800	0.837	0.775	0.774	0.818	4.92
77)		octane	2.234	2.180	2.361	1.993	1.987	2.040	1.914	1.942	2.082	7.63
78)	C	tetrachloroethene	4.765	4.512	4.652	4.087	4.139	4.348	4.205	4.033	4.343	6.30
79)		1,1,1,2-tetrac...	3.606	3.532	3.699	3.357	3.481	3.795	3.698	3.391	3.570	4.39
80)	C	chlorobenzene	6.232	6.153	6.242	5.596	5.664	5.934	5.599	5.229	5.831	6.29
81)	C	ethylbenzene	9.382	9.320	9.567	8.719	8.771	8.976	8.252	7.819	8.851	6.72
83)	C	m+p-xylene	7.427	7.099	7.328	6.444	6.479	6.625	6.357	6.025	6.723	7.48
84)	C	bromoform	4.679	4.631	4.880	4.141	4.334	5.330	5.353	5.003	4.794	9.09
85)	C	styrene	5.527	5.210	5.457	5.138	5.250	5.525	5.178	4.972	5.282	3.81
86)	C	1,1,2,2-tetrac...	5.355	5.148	5.186	4.721	4.789	4.966	4.794	4.181	4.893	7.44
87)	C	o-xylene	7.592	7.074	7.347	6.510	6.595	6.836	6.613	5.795	6.795	8.20
88)		1,2,3-trichlor...	3.711	3.497	3.669	3.267	3.265	3.397	3.251	3.315	3.422	5.41
89)		nonane	2.972	2.725	2.867	2.568	2.590	2.758	2.867	2.840	2.774	5.10
90)	s	bromofluoroben...			3.521	3.552	3.489	3.624	3.566	3.515	3.545	1.34
91)	C	isopropylbenzene	0.992	0.973	1.005	0.932	0.950	1.006	0.936	0.861	0.957	5.07
92)		bromobenzene	4.550	4.482	4.553	4.093	4.116	4.335	4.233	4.243	4.326	4.28
93)		2-chlorotoluene	2.780	2.718	2.958	2.722	2.687	3.011	2.824	2.803	2.813	4.14
94)		n-propylbenzene	2.852	2.850	2.937	2.725	2.769	2.980	2.886	2.845	2.855	2.89
95)		4-chlorotoluene	2.667	2.634	2.634	2.390	2.560	2.712	2.719	2.678	2.624	4.09
96)		4-ethyl toluene	9.408	9.070	9.551	8.429	8.232	9.592	8.836	8.377	8.937	6.16
97)		1,3,5-trimethy...	7.929	7.580	7.848	7.059	7.484	7.667	7.525	7.133	7.528	4.09
98)		tert-butylbenzene	9.468	9.138	9.441	8.817	9.160	9.914	9.368	7.104	9.051	9.37

Method Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Method File : TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025
Response Via : Initial Calibration

Calibration Files
0.2 =R236984.D 0.5 =R236985.D 1.0 =R236986.D 5.0 =R236987.D 10 =R236988.D 20 =R236989.D
50 =R236990.D 100 =R236991.D

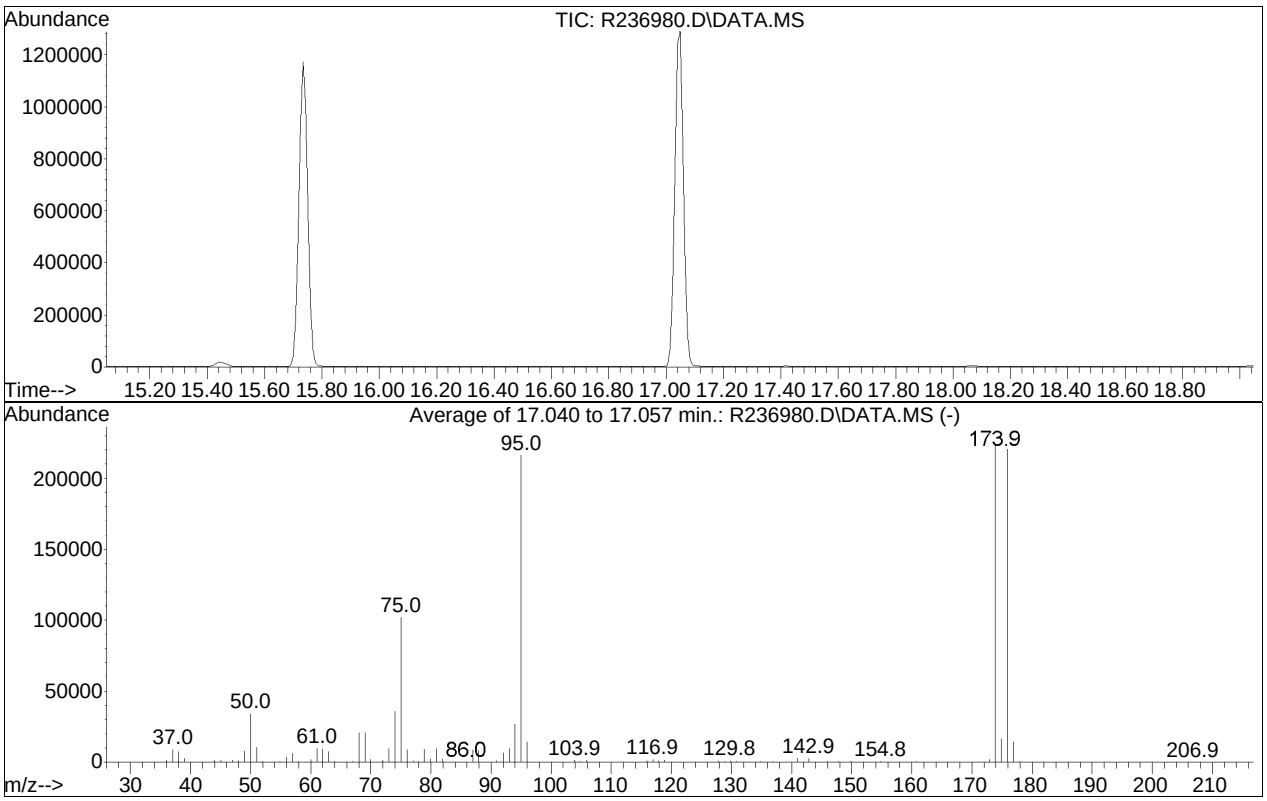
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
99)		1,2,4-trimethy...	8.122	8.053	8.415	7.944	8.204	8.718	8.478	6.417	8.044	8.75
100)		decane	3.554	3.330	3.578	3.342	3.401	3.689	3.892	3.767	3.569	5.75
101)	C	Benzyl Chloride	4.399	4.691	5.023	5.349	5.814	6.896	7.214	6.576	5.745	18.35
102)		1,3-dichlorobe...	6.237	6.101	6.551	6.191	6.213	6.869	6.899	6.025	6.386	5.38
103)	C	1,4-dichlorobe...	5.982	5.988	6.140	5.752	6.120	6.550	6.470	5.941	6.118	4.42
104)		sec-butylbenzene	1.223	1.210	1.241	1.116	1.124	1.186	1.119	0.998	1.152	6.90
106)		p-isopropyltol...	1.113	1.103	1.128	1.083	1.131	1.224	1.150	0.810	1.093	11.16
107)		1,2-dichlorobe...	5.969	5.620	5.970	5.791	5.931	6.467	6.476	6.066	6.036	4.98
108)		n-butylbenzene	8.784	8.680	9.116	8.724	8.963	9.332	8.943	8.052	8.824	4.30
111)	C	1,2-dibromo-3-...	2.003	2.084	2.214	2.316	2.431	2.618	2.750	2.744	2.395	12.11
112)		undecane	6.033	5.556	5.941	5.177	5.578	6.106	5.021	4.029	5.430	12.67
114)		dodecane	2.520	3.017	3.203	3.730	3.928	4.176	4.129	3.825	3.566	16.56
115)	C	1,2,4-trichlor...	3.399	4.004	4.485	5.400	5.946	6.479	6.819	5.971	5.313	23.09
116)		naphthalene	0.718	0.869	0.986	1.214	1.294	1.291	1.236	1.101	1.089	19.54
117)		1,2,3-trichlor...	3.541	4.071	4.461	5.367	5.886	6.162	6.547	5.530	5.196	20.47
119)	C	hexachlorobuta...	3.541	4.024	4.209	4.659	5.039	5.453	5.813	4.378	4.640	16.37

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236980.D
Acq On : 21 Nov 2025 08:09 pm
Operator : AIRLAB23:BJB
Sample : WG2145605-1,3,250,250
Misc : WG2145605
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025



Spectrum Information: Average of 17.040 to 17.057 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.7	34024	PASS
75	95	30	66	47.1	101915	PASS
95	95	100	100	100.0	216448	PASS
96	95	5	9	6.5	14166	PASS
173	174	0.00	2	0.8	1777	PASS
174	95	50	120	104.0	225088	PASS
175	174	4	9	7.2	16309	PASS
176	174	93	101	97.9	220395	PASS
177	176	5	9	6.4	14077	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:45 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.862	49	254578	10.000	ppbV	-0.01
Standard Area = 215783			Recovery = 117.98%			
43) 1,4-difluorobenzene	11.047	114	1079425	10.000	ppbV	-0.01
Standard Area = 895236			Recovery = 120.57%			
67) chlorobenzene-D5	15.734	54	141267	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 110.28%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.710	65	297308	9.837	ppbV	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.37%			
69) toluene-D8	13.863	98	918062	10.187	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.87%			
90) bromofluorobenzene	17.040	95	477794	9.693	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.93%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.763	51	6023	0.245	ppbV	97
3) propylene	3.787	41	2960M6	0.333	ppbV	
4) propane	3.810	29	1943	0.279	ppbV	85
5) dichlorodifluoromethane	3.857	85	15768	0.243	ppbV	99
6) chloromethane	4.033	50	4426	0.243	ppbV	94
7) Freon-114	4.126	85	18952	0.236	ppbV	98
8) methanol	4.220	31	6698	1.419	ppbV #	1
9) vinyl chloride	4.249	62	6032	0.249	ppbV	94
10) 1,3-butadiene	4.390	54	3841	0.263	ppbV	82
11) butane	4.437	43	7729	0.265	ppbV	92
12) acetaldehyde	4.167	29	10302	1.443	ppbV	88
13) bromomethane	4.665	94	6979	0.231	ppbV	96
14) chloroethane	4.846	64	3359	0.230	ppbV	92
15) ethanol	4.998	31	10805	1.123	ppbV	97
16) dichlorofluoromethane	4.946	67	10793	0.228	ppbV	99
17) vinyl bromide	5.216	106	4849	0.229	ppbV	95
18) acrolein	5.356	56	1619	0.201	ppbV #	56
19) acetone	5.502	43	29609	1.358	ppbV #	99
20) acetonitrile	5.222	41	3445	0.293	ppbV #	1
21) trichlorofluoromethane	5.666	101	16258	0.232	ppbV	100
22) isopropyl alcohol	5.783	45	15407	0.700	ppbV	98
23) acrylonitrile	5.999	53	3239	0.241	ppbV	93
24) pentane	6.058	43	5859	0.220	ppbV	95

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:45 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.104	31	2925	0.234	ppbV		92
26) 1,1-dichloroethene	6.358	61	9541	0.245	ppbV		99
27) tertiary butyl alcohol	6.443	59	10729	0.369	ppbV	#	91
28) methylene chloride	6.493	49	5092	0.252	ppbV		98
29) 3-chloropropene	6.622	41	4423	0.289	ppbV		95
30) carbon disulfide	6.801	76	12555	0.240	ppbV	#	84
31) Freon 113	6.790	101	13062	0.237	ppbV		97
32) trans-1,2-dichloroethene	7.530	61	6179	0.237	ppbV		95
33) 1,1-dichloroethane	7.747	63	8711	0.222	ppbV		98
34) MTBE	7.844	73	13411	0.245	ppbV		97
35) vinyl acetate	7.942	43	9362	0.317	ppbV		99
36) 2-butanone	8.223	43	7586	0.263	ppbV	#	96
37) cis-1,2-dichloroethene	8.683	61	6526	0.217	ppbV		94
38) Ethyl Acetate	8.976	61	1233	0.228	ppbV	#	25
39) chloroform	9.009	83	12767	0.235	ppbV		97
40) Tetrahydrofuran	9.498	42	3911	0.285	ppbV		98
41) 2,2-dichloropropane	9.041	77	9361	0.211	ppbV		94
42) 1,2-dichloroethane	9.832	62	7054	0.213	ppbV		97
44) hexane	8.935	57	6236	0.244	ppbV	#	54
45) diisopropyl ether	8.944	87	4600	0.205	ppbV		97
46) tert-butyl ethyl ether	9.555	59	13846	0.212	ppbV		99
48) 1,1,1-trichloroethane	10.125	97	13839	0.216	ppbV		96
49) 1,1-dichloropropene	10.481	75	8322	0.206	ppbV		95
50) benzene	10.632	78	16890	0.217	ppbV		100
51) thiophene	10.783	84	15385	0.159	ppbV		98
52) carbon tetrachloride	10.802	117	15199	0.218	ppbV		98
53) cyclohexane	10.953	56	6772	0.263	ppbV		96
54) tert-amyl methyl ether	11.339	73	14528	0.206	ppbV		97
55) dibromomethane	11.537	93	7484	0.201	ppbV		97
56) 1,2-dichloropropane	11.565	63	5457	0.226	ppbV		96
57) bromodichloromethane	11.791	83	12086	0.218	ppbV		97
58) 1,4-dioxane	11.876	88	3499	0.216	ppbV	#	65
59) trichloroethene	11.839	130	9926	0.218	ppbV		93
60) 2,2,4-trimethylpentane	11.895	57	19346	0.240	ppbV		96
61) methyl methacrylate	12.103	41	5126	0.222	ppbV		97
62) heptane	12.206	43	6203	0.255	ppbV		92
63) cis-1,3-dichloropropene	12.837	75	7862	0.184	ppbV		95
64) 4-methyl-2-pentanone	12.920	43	7952	0.212	ppbV		94
65) trans-1,3-dichloropropene	13.454	75	5892	0.170	ppbV	#	87
66) 1,1,2-trichloroethane	13.654	97	8685	0.226	ppbV		86

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:45 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.980	91	22287	0.235	ppbV	98
70) 2-methylthiophene	14.046	97	22476	0.174	ppbV	97
71) 1,3-dichloropropane	14.005	76	9173	0.224	ppbV	98
72) 2-hexanone	14.313	43	7060	0.220	ppbV	98
73) 3-methylthiophene	14.247	97	22209	0.163	ppbV	98
74) dibromochloromethane	14.430	129	14621	0.237	ppbV	99
75) 1,2-dibromoethane	14.689	107	12286	0.216	ppbV	95
76) butyl acetate	14.964	73	2690	0.238	ppbV	86
77) octane	15.022	85	6312	0.225	ppbV	86
78) tetrachloroethene	15.147	166	13462	0.230	ppbV	96
79) 1,1,1,2-tetrachloroethane	15.760	131	10189	0.207	ppbV	94
80) chlorobenzene	15.778	112	17607	0.220	ppbV	96
81) ethylbenzene	16.108	91	26507	0.214	ppbV	98
82) 2-ethylthiophene	16.143	97	25597	0.161	ppbV	96
83) m+p-xylene	16.265	91	41968M6	0.459	ppbV	
84) bromoform	16.326	173	13220	0.216	ppbV	99
85) styrene	16.578	104	15615	0.211	ppbV	97
86) 1,1,2,2-tetrachloroethane	16.666	83	15131	0.224	ppbV	100
87) o-xylene	16.666	91	21449	0.230	ppbV	93
88) 1,2,3-trichloropropane	16.779	75	10485	0.227	ppbV	96
89) nonane	16.857	43	8398	0.229	ppbV	91
91) isopropylbenzene	17.153	105	28020	0.209	ppbV	100
92) bromobenzene	17.223	77	12856	0.221	ppbV	94
93) 2-chlorotoluene	17.545	126	7855	0.207	ppbV	97
94) n-propylbenzene	17.571	120	8059	0.206	ppbV	89
95) 4-chlorotoluene	17.606	126	7535	0.208	ppbV	90
96) 4-ethyl toluene	17.693	105	26581	0.229	ppbV	98
97) 1,3,5-trimethylbenzene	17.754	105	22401	0.212	ppbV	99
98) tert-butylbenzene	18.079	119	26749	0.207	ppbV	100
99) 1,2,4-trimethylbenzene	18.079	105	22946	0.198	ppbV	98
100) decane	18.159	57	10041	0.209	ppbV	95
101) Benzyl Chloride	18.198	91	12429	0.151	ppbV	100
102) 1,3-dichlorobenzene	18.206	146	17623	0.201	ppbV	96
103) 1,4-dichlorobenzene	18.262	146	16902	0.196	ppbV	98
104) sec-butylbenzene	18.294	105	34553	0.218	ppbV	98
105) 1,2,3-trimethylbenzene	18.422	105	25104	0.207	ppbV	97
106) p-isopropyltoluene	18.422	119	31442	0.197	ppbV	97
107) 1,2-dichlorobenzene	18.534	146	16864	0.201	ppbV	97
108) n-butylbenzene	18.757	91	24817	0.196	ppbV	97
109) indan	18.582	117	20892	0.216	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:45 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

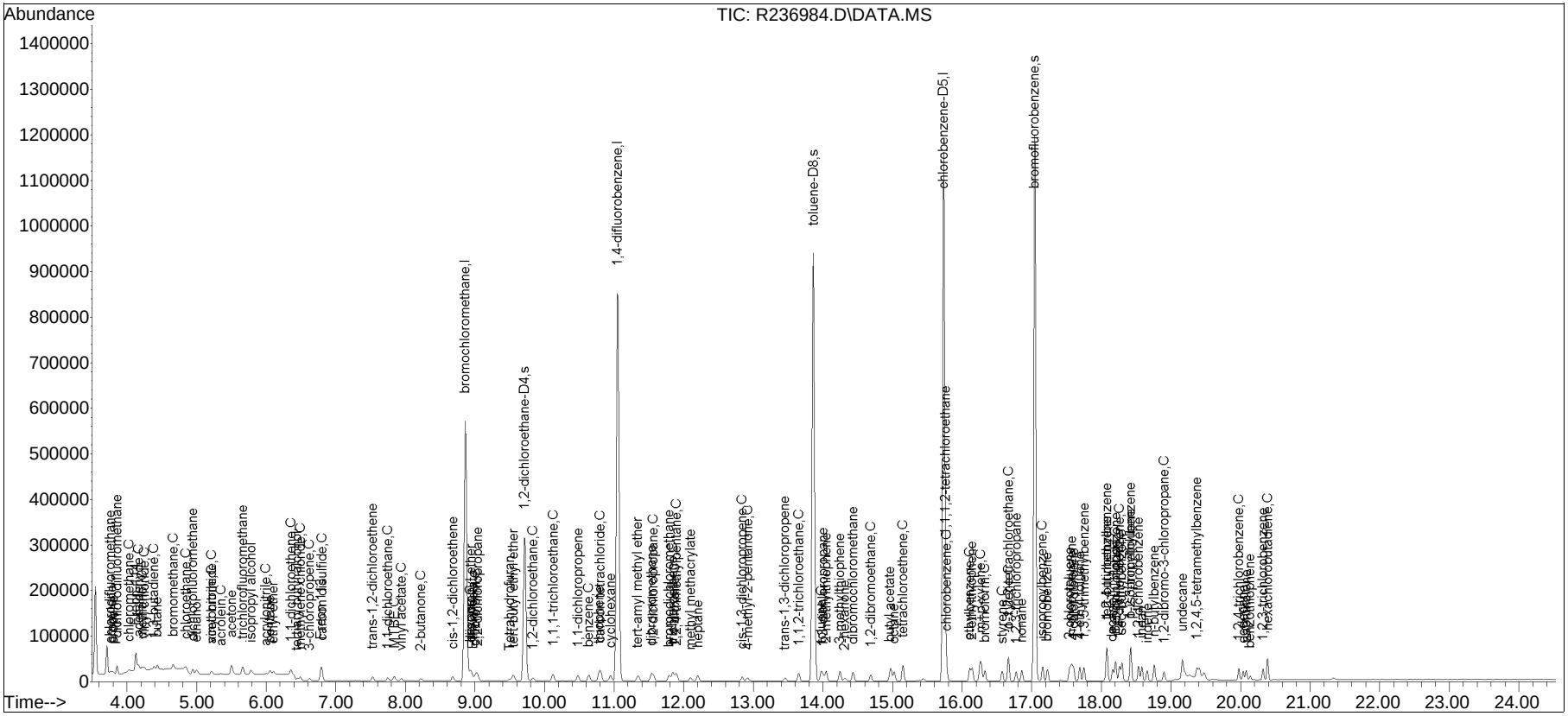
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.661	115	15642	0.196	ppbV	95
111) 1,2-dibromo-3-chloropr...	18.901	75	5658	0.165	ppbV	88
112) undecane	19.164	57	17044	0.216	ppbV	98
113) 1,2,4,5-tetramethylben...	19.372	119	13173	0.152	ppbV #	97
114) dodecane	20.039	57	7120	0.128	ppbV	100
115) 1,2,4-trichlorobenzene	19.975	180	9602	0.114	ppbV	98
116) naphthalene	20.080	128	20292	0.111	ppbV	100
117) 1,2,3-trichlorobenzene	20.325	180	10004	0.120	ppbV	97
118) benzothiophene	20.138	134	8864	0.070	ppbV #	95
119) hexachlorobutadiene	20.390	225	10005	0.141	ppbV	95
120) 2-methylnaphthalene	21.161		0	N.D.		
121) 1-methylnaphthalene	21.337		0	N.D.		

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236984.D
Acq On : 21 Nov 2025 10:35 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

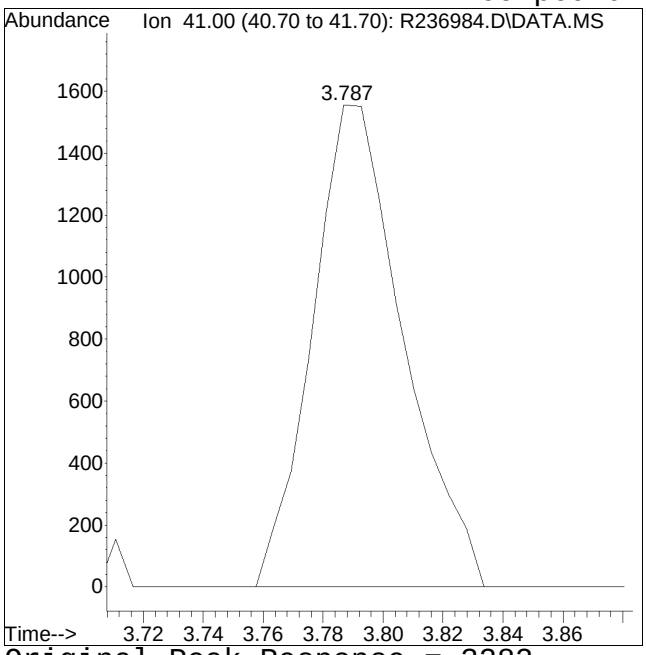
Quant Time: Nov 22 08:48:45 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration



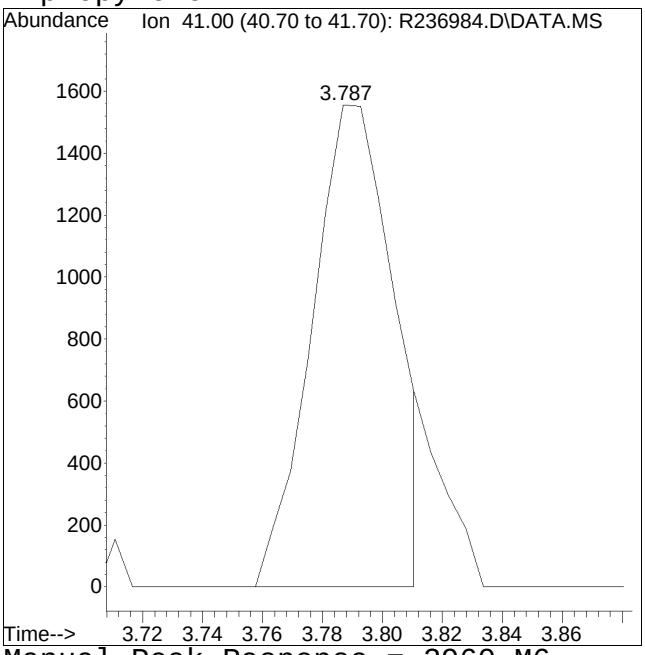
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 8:48 am

Compound #3: propylene



Original Peak Response = 3282



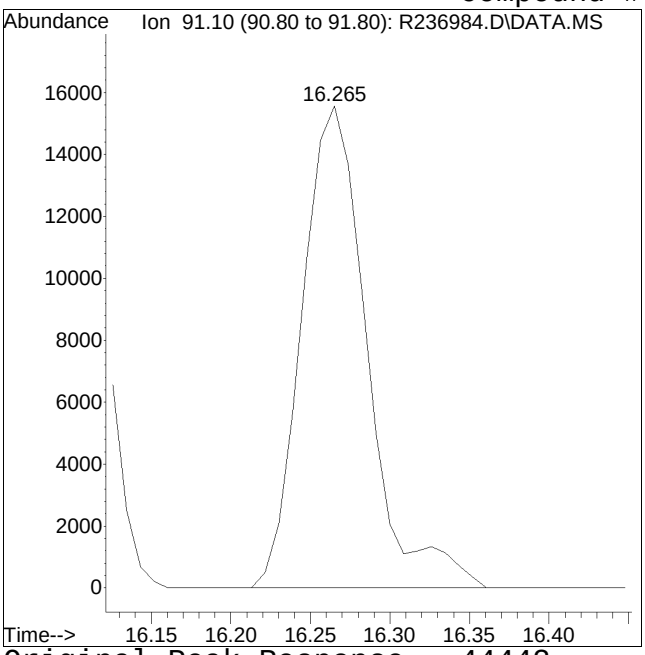
Manual Peak Response = 2960 M6

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

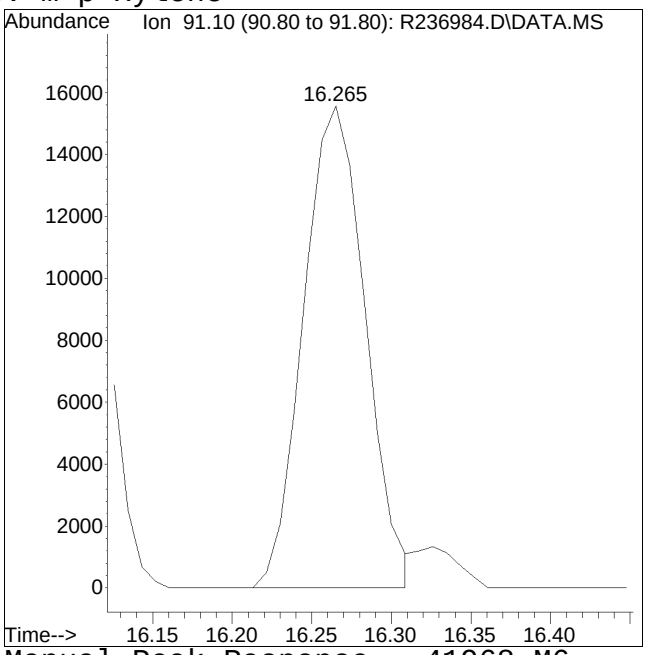
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236984.D Operator : AIRLAB23:BJB
Date Inj'd : 11/21/2025 10:35 pm Instrument : Airlab 23
Sample : ITO15-SIMSTD0.2 Quant Date : 11/22/2025 8:48 am

Compound #83: m+p-xylene



Original Peak Response = 44442



Manual Peak Response = 41968 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.860	49	240700	10.000	ppbV	-0.01
Standard Area = 215783			Recovery = 111.55%			
43) 1,4-difluorobenzene	11.052	114	1062049	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 118.63%			
67) chlorobenzene-D5	15.731	54	142287	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 111.07%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.715	65	283521	9.534	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.34%			
69) toluene-D8	13.860	98	909143	10.016	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.16%			
90) bromofluorobenzene	17.046	95	497891	10.029	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.757	51	14358	0.617	ppbV	98
3) propylene	3.787	41	5827M6	0.694	ppbV	
4) propane	3.810	29	4012	0.610	ppbV	92
5) dichlorodifluoromethane	3.857	85	35397	0.578	ppbV	100
6) chloromethane	4.027	50	9804	0.570	ppbV	95
7) Freon-114	4.126	85	43190	0.568	ppbV	98
8) methanol	4.214	31	14917	3.343	ppbV #	1
9) vinyl chloride	4.243	62	13542	0.590	ppbV	95
10) 1,3-butadiene	4.384	54	8918	0.645	ppbV	98
11) butane	4.436	43	16389	0.595	ppbV	97
12) acetaldehyde	4.161	29	21919	3.246	ppbV	95
13) bromomethane	4.665	94	16275	0.569	ppbV	96
14) chloroethane	4.840	64	7832	0.567	ppbV	97
15) ethanol	4.986	31	26125	2.872	ppbV	99
16) dichlorofluoromethane	4.945	67	24923	0.558	ppbV	98
17) vinyl bromide	5.216	106	11978	0.598	ppbV	99
18) acrolein	5.350	56	4042	0.530	ppbV #	85
19) acetone	5.490	43	64862	3.145	ppbV #	100
20) acetonitrile	5.216	41	6697	0.602	ppbV #	34
21) trichlorofluoromethane	5.660	101	37857	0.571	ppbV	98
22) isopropyl alcohol	5.765	45	33824	1.626	ppbV	99
23) acrylonitrile	5.993	53	6395	0.503	ppbV	92
24) pentane	6.057	43	15111	0.601	ppbV	97

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.092	31	6954	0.588	ppbV		94
26) 1,1-dichloroethene	6.354	61	17254	0.468	ppbV		98
27) tertiary butyl alcohol	6.438	59	15457	0.562	ppbV		95
28) methylene chloride	6.493	49	11518	0.604	ppbV		98
29) 3-chloropropene	6.622	41	9252	0.639	ppbV		96
30) carbon disulfide	6.796	76	31463	0.636	ppbV	#	90
31) Freon 113	6.790	101	31076	0.596	ppbV		99
32) trans-1,2-dichloroethene	7.530	61	14654	0.593	ppbV		98
33) 1,1-dichloroethane	7.747	63	20849	0.563	ppbV		100
34) MTBE	7.834	73	32468	0.627	ppbV		99
35) vinyl acetate	7.936	43	21319	0.763	ppbV		100
36) 2-butanone	8.207	43	16409	0.602	ppbV		95
37) cis-1,2-dichloroethene	8.680	61	15589	0.547	ppbV		98
38) Ethyl Acetate	8.965	61	2992	0.585	ppbV	#	43
39) chloroform	9.014	83	29304	0.570	ppbV		99
40) Tetrahydrofuran	9.479	42	9291	0.717	ppbV		95
41) 2,2-dichloropropane	9.039	77	22272	0.532	ppbV		93
42) 1,2-dichloroethane	9.838	62	17500	0.560	ppbV		99
44) hexane	8.933	57	15253	0.606	ppbV	#	61
45) diisopropyl ether	8.933	87	10902	0.493	ppbV		95
46) tert-butyl ethyl ether	9.544	59	33357	0.519	ppbV		98
48) 1,1,1-trichloroethane	10.123	97	32854	0.522	ppbV		97
49) 1,1-dichloropropene	10.478	75	19920	0.500	ppbV		96
50) benzene	10.638	78	41099	0.536	ppbV		99
51) thiophene	10.779	84	36990	0.389	ppbV		99
52) carbon tetrachloride	10.807	117	37627	0.549	ppbV		98
53) cyclohexane	10.949	56	15111	0.596	ppbV		96
54) tert-amyl methyl ether	11.335	73	35034	0.505	ppbV		98
55) dibromomethane	11.533	93	18234	0.499	ppbV		98
56) 1,2-dichloropropane	11.571	63	12276	0.517	ppbV		97
57) bromodichloromethane	11.788	83	30573	0.561	ppbV		97
58) 1,4-dioxane	11.863	88	8557	0.537	ppbV	#	85
59) trichloroethene	11.844	130	23679	0.529	ppbV		98
60) 2,2,4-trimethylpentane	11.891	57	47132	0.594	ppbV		98
61) methyl methacrylate	12.089	41	12450	0.548	ppbV	#	90
62) heptane	12.202	43	13955	0.584	ppbV		97
63) cis-1,3-dichloropropene	12.842	75	20477	0.486	ppbV		98
64) 4-methyl-2-pentanone	12.892	43	19939	0.541	ppbV		95
65) trans-1,3-dichloropropene	13.451	75	15201	0.445	ppbV		98
66) 1,1,2-trichloroethane	13.651	97	19190	0.507	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	13.977	91	53519	0.560	ppbV		98
70) 2-methylthiophene	14.044	97	53269	0.410	ppbV		97
71) 1,3-dichloropropane	14.002	76	22792	0.554	ppbV		100
72) 2-hexanone	14.294	43	17706	0.548	ppbV	#	92
73) 3-methylthiophene	14.244	97	55153	0.401	ppbV		98
74) dibromochloromethane	14.436	129	33946	0.547	ppbV		95
75) 1,2-dibromoethane	14.686	107	29272	0.511	ppbV		98
76) butyl acetate	14.944	73	6233	0.548	ppbV		96
77) octane	15.020	85	15506	0.548	ppbV		96
78) tetrachloroethene	15.145	166	32102	0.545	ppbV		98
79) 1,1,1,2-tetrachloroethane	15.757	131	25126	0.507	ppbV		99
80) chlorobenzene	15.775	112	43775	0.543	ppbV		99
81) ethylbenzene	16.106	91	66307	0.531	ppbV		98
82) 2-ethylthiophene	16.140	97	62496	0.389	ppbV		96
83) m+p-xylene	16.262	91	101013	1.096	ppbV		100
84) bromoform	16.323	173	32945	0.534	ppbV		97
85) styrene	16.576	104	37064	0.496	ppbV		100
86) 1,1,2,2-tetrachloroethane	16.663	83	36628	0.538	ppbV		99
87) o-xylene	16.663	91	50328	0.536	ppbV		100
88) 1,2,3-trichloropropane	16.776	75	24880	0.535	ppbV		97
89) nonane	16.854	43	19388	0.526	ppbV		96
91) isopropylbenzene	17.150	105	69196	0.512	ppbV		99
92) bromobenzene	17.229	77	31885	0.544	ppbV		95
93) 2-chlorotoluene	17.542	126	19338	0.506	ppbV		99
94) n-propylbenzene	17.568	120	20273	0.515	ppbV		98
95) 4-chlorotoluene	17.603	126	18738	0.514	ppbV		94
96) 4-ethyl toluene	17.690	105	64530	0.551	ppbV		97
97) 1,3,5-trimethylbenzene	17.751	105	53928	0.506	ppbV		99
98) tert-butylbenzene	18.076	119	65008	0.499	ppbV		99
99) 1,2,4-trimethylbenzene	18.076	105	57289	0.491	ppbV		99
100) decane	18.156	57	23690	0.489	ppbV		97
101) Benzyl Chloride	18.196	91	33373	0.403	ppbV		97
102) 1,3-dichlorobenzene	18.204	146	43407	0.491	ppbV		99
103) 1,4-dichlorobenzene	18.260	146	42602	0.489	ppbV		97
104) sec-butylbenzene	18.291	105	86056	0.538	ppbV		98
105) 1,2,3-trimethylbenzene	18.419	105	58963	0.482	ppbV		97
106) p-isopropyltoluene	18.419	119	78463	0.488	ppbV		99
107) 1,2-dichlorobenzene	18.531	146	39982	0.474	ppbV		98
108) n-butylbenzene	18.754	91	61751	0.484	ppbV		100
109) indan	18.579	117	51107	0.526	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

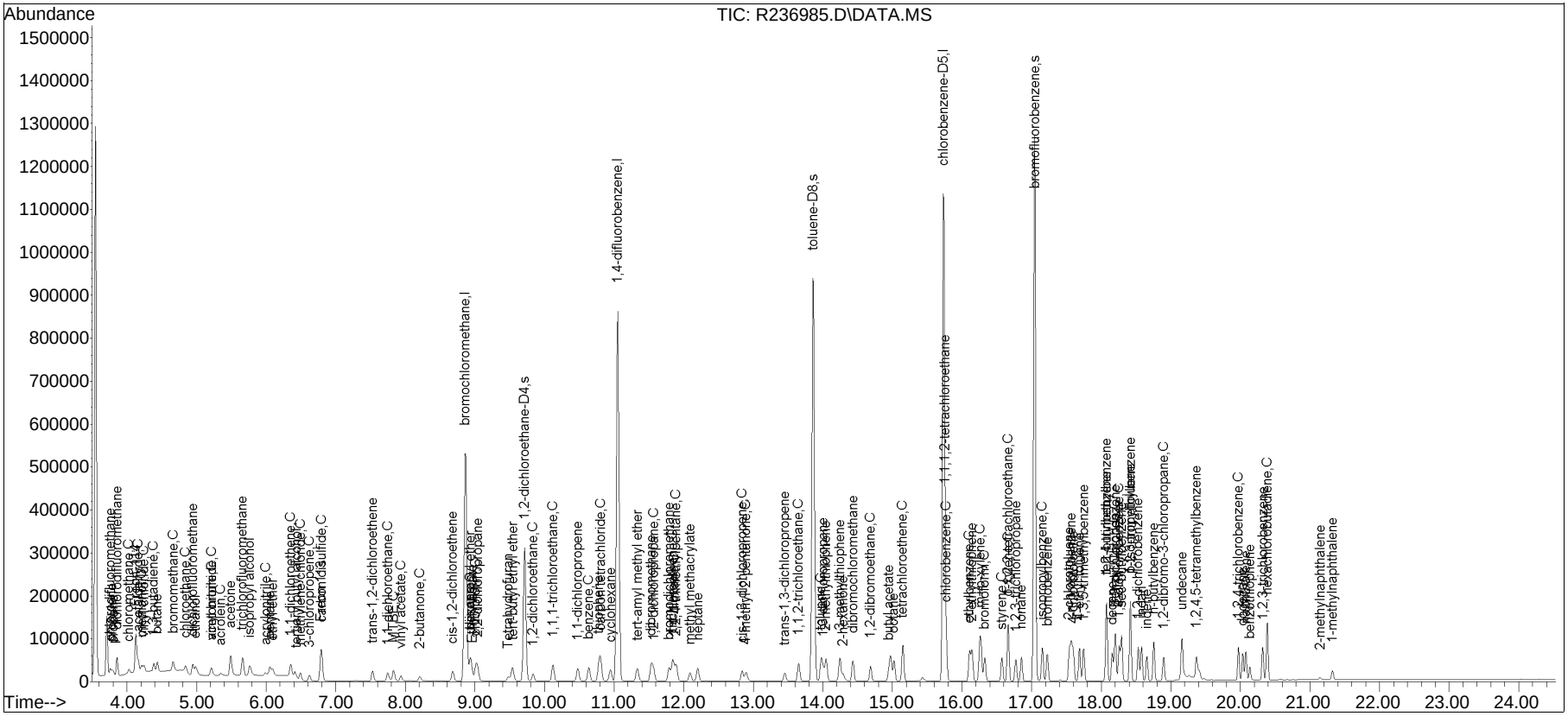
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.659	115	38980	0.484	ppbV	99
111) 1,2-dibromo-3-chloropr...	18.898	75	14823	0.429	ppbV	96
112) undecane	19.162	57	39529	0.498	ppbV	97
113) 1,2,4,5-tetramethylben...	19.369	119	33182	0.380	ppbV	98
114) dodecane	20.030	57	21465	0.384	ppbV	98
115) 1,2,4-trichlorobenzene	19.972	180	28488	0.337	ppbV	99
116) naphthalene	20.077	128	61796	0.336	ppbV	99
117) 1,2,3-trichlorobenzene	20.323	180	28964	0.346	ppbV	99
118) benzothiophene	20.136	134	28397	0.222	ppbV	98
119) hexachlorobutadiene	20.387	225	28629	0.399	ppbV	96
120) 2-methylnaphthalene	21.147	142	5294	0.110	ppbV	96
121) 1-methylnaphthalene	21.322	142	15848	0.115	ppbV	97

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236985.D
Acq On : 21 Nov 2025 11:14 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:48:54 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

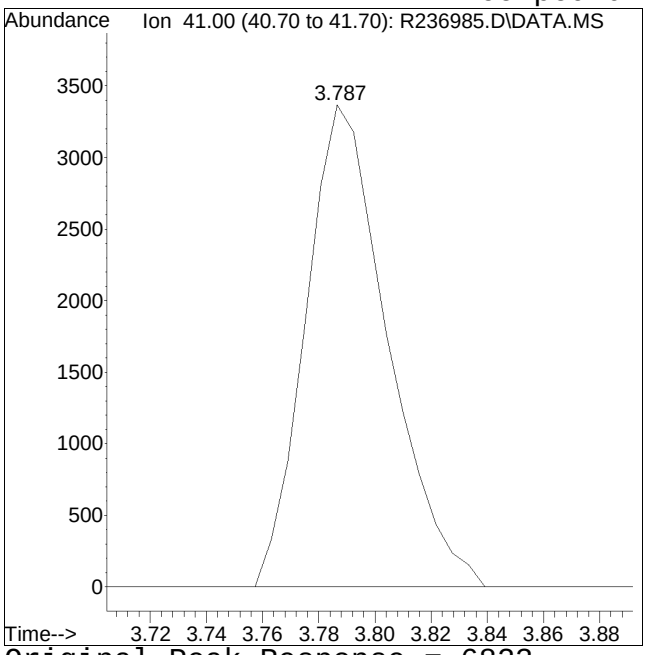


Manual Integration Report

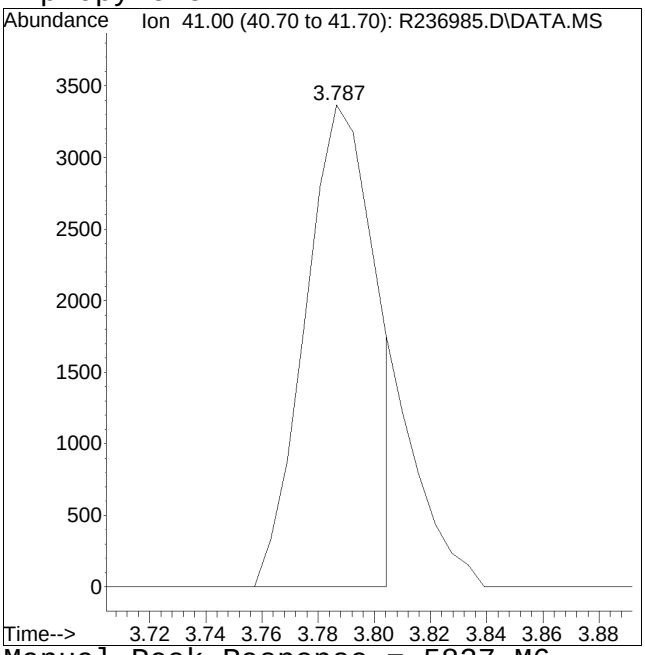
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236985.D
Date Inj'd : 11/21/2025 11:14 pm
Sample : ITO15-SIMSTD0.5

Method : TFS23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 8:48 am

Compound #3: propylene



Original Peak Response = 6823



Manual Peak Response = 5827 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:49:02 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.865	49	238742	10.000	ppbV	0.00
Standard Area = 215783			Recovery = 110.64%			
43) 1,4-difluorobenzene	11.050	114	1001924	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 111.92%			
67) chlorobenzene-D5	15.738	54	134475	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 104.97%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.713	65	279474	9.962	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.62%			
69) toluene-D8	13.858	98	893799	10.419	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.19%			
90) bromofluorobenzene	17.043	95	473446	10.090	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.757	51	30654	1.328	ppbV	99
3) propylene	3.787	41	10841M6	1.301	ppbV	
4) propane	3.804	29	8018	1.229	ppbV	95
5) dichlorodifluoromethane	3.857	85	73075	1.202	ppbV	99
6) chloromethane	4.021	50	19723	1.157	ppbV	97
7) Freon-114	4.126	85	87816	1.164	ppbV	98
8) methanol	4.208	31	27388	6.188	ppbV #	12
9) vinyl chloride	4.243	62	25847	1.136	ppbV	99
10) 1,3-butadiene	4.384	54	16890	1.231	ppbV	97
11) butane	4.431	43	30963	1.133	ppbV	96
12) acetaldehyde	4.155	29	42505	6.347	ppbV	97
13) bromomethane	4.659	94	32695	1.153	ppbV	98
14) chloroethane	4.834	64	15358	1.120	ppbV	98
15) ethanol	4.975	31	45199	5.009	ppbV	99
16) dichlorofluoromethane	4.940	67	49665	1.121	ppbV	99
17) vinyl bromide	5.210	106	22837	1.150	ppbV	99
18) acrolein	5.344	56	8196	1.083	ppbV	90
19) acetone	5.479	43	127069	6.212	ppbV	99
20) acetonitrile	5.204	41	12182	1.105	ppbV #	68
21) trichlorofluoromethane	5.660	101	73033	1.111	ppbV	98
22) isopropyl alcohol	5.753	45	65716	3.185	ppbV	99
23) acrylonitrile	5.981	53	14539	1.153	ppbV	99
24) pentane	6.052	43	29101	1.168	ppbV	98

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:49:02 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.087	31	13003	1.109	ppbV	98
26) 1,1-dichloroethene	6.349	61	34792	0.952	ppbV	98
27) tertiary butyl alcohol	6.410	59	33085	1.212	ppbV	97
28) methylene chloride	6.488	49	22748	1.202	ppbV	98
29) 3-chloropropene	6.616	41	17575	1.224	ppbV	97
30) carbon disulfide	6.790	76	60409	1.231	ppbV	97
31) Freon 113	6.790	101	60153	1.164	ppbV	97
32) trans-1,2-dichloroethene	7.525	61	28777	1.175	ppbV	99
33) 1,1-dichloroethane	7.747	63	40196	1.095	ppbV	96
34) MTBE	7.823	73	63243	1.232	ppbV	99
35) vinyl acetate	7.931	43	36811	1.327	ppbV	98
36) 2-butanone	8.197	43	32468	1.201	ppbV	98
37) cis-1,2-dichloroethene	8.678	61	30800	1.090	ppbV	96
38) Ethyl Acetate	8.955	61	5783	1.139	ppbV	68
39) chloroform	9.012	83	57878	1.135	ppbV	98
40) Tetrahydrofuran	9.460	42	17536	1.365	ppbV	98
41) 2,2-dichloropropane	9.036	77	45040	1.084	ppbV	98
42) 1,2-dichloroethane	9.835	62	33251	1.073	ppbV	98
44) hexane	8.930	57	28726	1.210	ppbV	81
45) diisopropyl ether	8.930	87	22141	1.062	ppbV	99
46) tert-butyl ethyl ether	9.533	59	64991	1.071	ppbV	99
48) 1,1,1-trichloroethane	10.120	97	64510	1.086	ppbV	99
49) 1,1-dichloropropene	10.475	75	38994	1.038	ppbV	98
50) benzene	10.635	78	78984	1.092	ppbV	99
51) thiophene	10.786	84	72116	0.804	ppbV	98
52) carbon tetrachloride	10.805	117	71574	1.108	ppbV	99
53) cyclohexane	10.946	56	28982	1.212	ppbV	98
54) tert-amyl methyl ether	11.323	73	67439	1.031	ppbV	100
55) dibromomethane	11.531	93	36081	1.046	ppbV	97
56) 1,2-dichloropropane	11.568	63	23546	1.052	ppbV	97
57) bromodichloromethane	11.785	83	58204	1.133	ppbV	98
58) 1,4-dioxane	11.851	88	17076	1.136	ppbV	98
59) trichloroethene	11.842	130	46858	1.110	ppbV	95
60) 2,2,4-trimethylpentane	11.889	57	90338	1.208	ppbV	98
61) methyl methacrylate	12.087	41	22451	1.047	ppbV	98
62) heptane	12.200	43	26353	1.168	ppbV	99
63) cis-1,3-dichloropropene	12.840	75	39333	0.990	ppbV	97
64) 4-methyl-2-pentanone	12.890	43	38052	1.094	ppbV	99
65) trans-1,3-dichloropropene	13.449	75	31310	0.972	ppbV	99
66) 1,1,2-trichloroethane	13.649	97	37726	1.057	ppbV	98

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:49:02 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.974	91	102638	1.137	ppbV	98
70) 2-methylthiophene	14.049	97	100880	0.822	ppbV	100
71) 1,3-dichloropropane	14.008	76	44632	1.147	ppbV	99
72) 2-hexanone	14.275	43	34904	1.143	ppbV	96
73) 3-methylthiophene	14.241	97	103893	0.799	ppbV	97
74) dibromochloromethane	14.433	129	68284	1.164	ppbV	99
75) 1,2-dibromoethane	14.683	107	58464	1.079	ppbV	99
76) butyl acetate	14.942	73	11544	1.073	ppbV	93
77) octane	15.025	85	31751	1.188	ppbV	99
78) tetrachloroethene	15.151	166	62561	1.124	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.764	131	49746	1.063	ppbV	99
80) chlorobenzene	15.772	112	83937	1.102	ppbV	99
81) ethylbenzene	16.112	91	128647	1.091	ppbV	99
82) 2-ethylthiophene	16.147	97	122086	0.805	ppbV	100
83) m+p-xylene	16.260	91	197090	2.262	ppbV	99
84) bromoform	16.329	173	65619	1.126	ppbV	98
85) styrene	16.573	104	73378	1.039	ppbV	99
86) 1,1,2,2-tetrachloroethane	16.660	83	69742	1.083	ppbV	99
87) o-xylene	16.660	91	98801	1.114	ppbV	99
88) 1,2,3-trichloropropane	16.773	75	49342	1.124	ppbV	99
89) nonane	16.852	43	38556	1.107	ppbV	99
91) isopropylbenzene	17.156	105	135137	1.057	ppbV	100
92) bromobenzene	17.226	77	61227	1.106	ppbV	95
93) 2-chlorotoluene	17.539	126	39772	1.101	ppbV	92
94) n-propylbenzene	17.566	120	39498	1.061	ppbV	84
95) 4-chlorotoluene	17.600	126	35427	1.029	ppbV	89
96) 4-ethyl toluene	17.687	105	128432	1.160	ppbV	99
97) 1,3,5-trimethylbenzene	17.748	105	105531	1.049	ppbV	100
98) tert-butylbenzene	18.073	119	126962	1.031	ppbV	99
99) 1,2,4-trimethylbenzene	18.073	105	113158	1.026	ppbV	97
100) decane	18.153	57	48117	1.052	ppbV	99
101) Benzyl Chloride	18.193	91	67542	0.864	ppbV	100
102) 1,3-dichlorobenzene	18.201	146	88101	1.054	ppbV	97
103) 1,4-dichlorobenzene	18.257	146	82573	1.003	ppbV	98
104) sec-butylbenzene	18.289	105	166901	1.104	ppbV	98
105) 1,2,3-trimethylbenzene	18.417	105	116532	1.008	ppbV	99
106) p-isopropyltoluene	18.417	119	151638	0.997	ppbV	100
107) 1,2-dichlorobenzene	18.528	146	80285	1.007	ppbV	98
108) n-butylbenzene	18.752	91	122587	1.017	ppbV	98
109) indan	18.576	117	100617	1.095	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:49:02 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

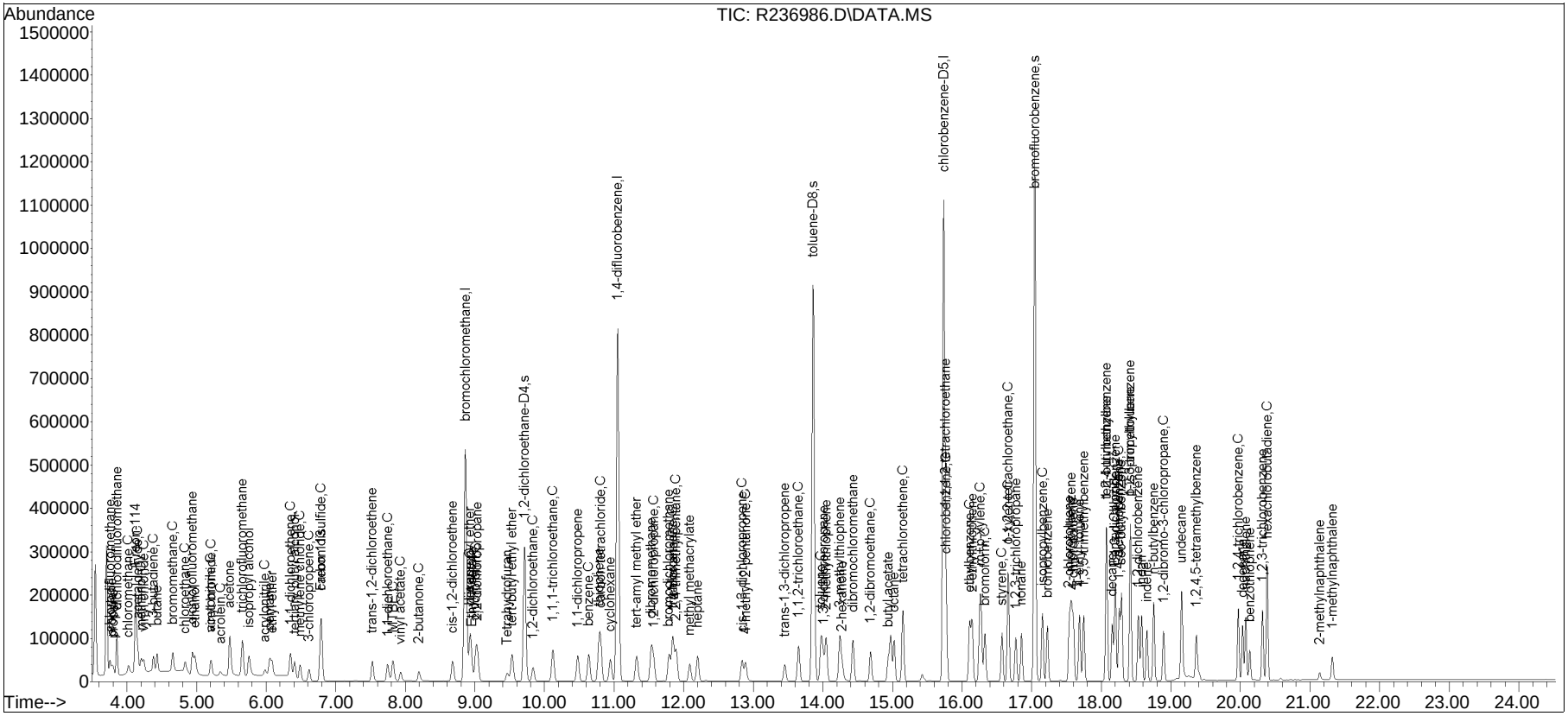
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.656	115	77226	1.014	ppbV	99
111) 1,2-dibromo-3-chloropr...	18.896	75	29773	0.911	ppbV	93
112) undecane	19.151	57	79895	1.065	ppbV	99
113) 1,2,4,5-tetramethylben...	19.367	119	64997	0.787	ppbV	100
114) dodecane	20.028	57	43076	0.815	ppbV	99
115) 1,2,4-trichlorobenzene	19.970	180	60306	0.754	ppbV	99
116) naphthalene	20.075	128	132565	0.762	ppbV	99
117) 1,2,3-trichlorobenzene	20.314	180	59991	0.758	ppbV	98
118) benzothiophene	20.133	134	61116	0.505	ppbV	99
119) hexachlorobutadiene	20.385	225	56595	0.835	ppbV	97
120) 2-methylnaphthalene	21.139	142	13627	0.300	ppbV	95
121) 1-methylnaphthalene	21.320	142	35780	0.274	ppbV	99

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236986.D
Acq On : 21 Nov 2025 11:55 pm
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2145605
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 22 08:49:02 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

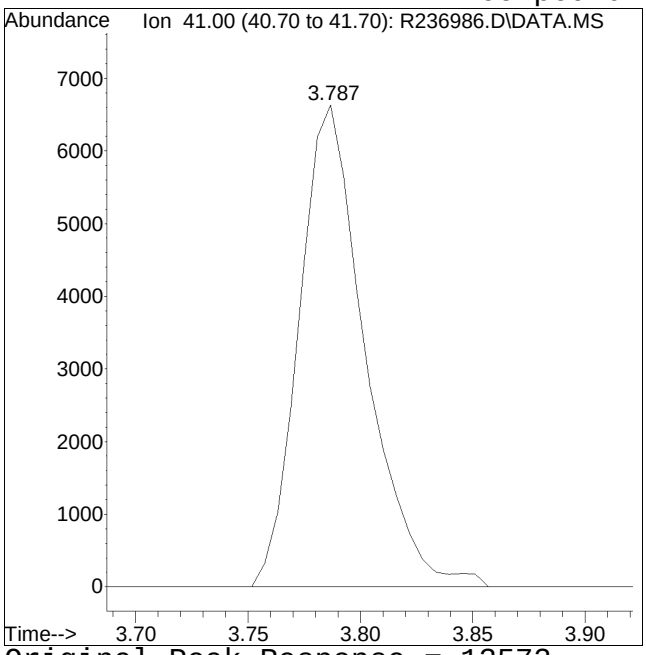


Manual Integration Report

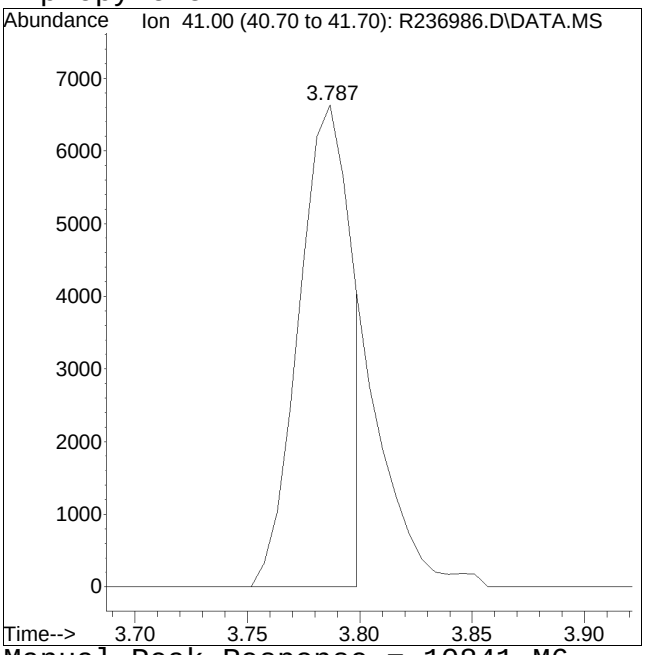
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236986.D
Date Inj'd : 11/21/2025 11:55 pm
Sample : ITO15-SIMSTD1.0

Method : TFS23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 8:49 am

Compound #3: propylene



Original Peak Response = 13572



Manual Peak Response = 10841 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:49:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.870	49	219470	10.000	ppbV	0.00
Standard Area = 215783			Recovery = 101.71%			
43) 1,4-difluorobenzene	11.057	114	954407	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 106.61%			
67) chlorobenzene-D5	15.734	54	131294	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 102.49%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.718	65	256658	9.604	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.04%			
69) toluene-D8	13.863	98	844110	10.078	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.78%			
90) bromofluorobenzene	17.040	95	466409	10.181	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.81%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.757	51	115996	5.466	ppbV	100
3) propylene	3.786	41	43378M6	5.663	ppbV	
4) propane	3.810	29	31391	5.236	ppbV	93
5) dichlorodifluoromethane	3.857	85	296304	5.302	ppbV	99
6) chloromethane	4.021	50	78158	4.988	ppbV	99
7) Freon-114	4.126	85	354111	5.107	ppbV	99
8) methanol	4.202	31	104041	25.570	ppbV #	87
9) vinyl chloride	4.243	62	106233	5.080	ppbV	99
10) 1,3-butadiene	4.383	54	63950	5.072	ppbV	99
11) butane	4.436	43	125144	4.983	ppbV	99
12) acetaldehyde	4.149	29	162280	26.360	ppbV	99
13) bromomethane	4.659	94	130477	5.007	ppbV	100
14) chloroethane	4.840	64	61813	4.904	ppbV	98
15) ethanol	4.980	31	213568	25.747	ppbV	100
16) dichlorofluoromethane	4.945	67	204917	5.031	ppbV	100
17) vinyl bromide	5.210	106	91726	5.025	ppbV	100
18) acrolein	5.338	56	34304	4.932	ppbV	98
19) acetone	5.467	43	477911	25.416	ppbV	99
20) acetonitrile	5.198	41	51072	5.039	ppbV	99
21) trichlorofluoromethane	5.660	101	308166	5.098	ppbV	99
22) isopropyl alcohol	5.753	45	253003	13.340	ppbV	100
23) acrylonitrile	5.981	53	57768	4.985	ppbV	99
24) pentane	6.057	43	118082	5.153	ppbV	99

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:49:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.075	31	54690	5.076	ppbV	99
26) 1,1-dichloroethene	6.354	61	172899	5.147	ppbV	99
27) tertiary butyl alcohol	6.405	59	150801	6.008	ppbV	98
28) methylene chloride	6.493	49	90765	5.218	ppbV	99
29) 3-chloropropene	6.622	41	68434	5.185	ppbV	98
30) carbon disulfide	6.790	76	232537	5.156	ppbV	99
31) Freon 113	6.790	101	244833	5.152	ppbV	100
32) trans-1,2-dichloroethene	7.530	61	114461	5.084	ppbV	99
33) 1,1-dichloroethane	7.747	63	172650	5.115	ppbV	100
34) MTBE	7.817	73	242350	5.135	ppbV	99
35) vinyl acetate	7.931	43	117166	4.596	ppbV	100
36) 2-butanone	8.186	43	127059	5.115	ppbV	99
37) cis-1,2-dichloroethene	8.683	61	131622	5.066	ppbV	100
38) Ethyl Acetate	8.952	61	24080	5.161	ppbV	67
39) chloroform	9.017	83	241112	5.143	ppbV	100
40) Tetrahydrofuran	9.449	42	59157	5.008	ppbV	99
41) 2,2-dichloropropane	9.042	77	193168	5.056	ppbV	100
42) 1,2-dichloroethane	9.840	62	143131	5.023	ppbV	99
44) hexane	8.936	57	108158	4.781	ppbV	94
45) diisopropyl ether	8.928	87	95781	4.824	ppbV	99
46) tert-butyl ethyl ether	9.531	59	279951	4.845	ppbV	100
48) 1,1,1-trichloroethane	10.126	97	272117	4.810	ppbV	100
49) 1,1-dichloropropene	10.482	75	169626	4.742	ppbV	98
50) benzene	10.642	78	333114	4.836	ppbV	100
51) thiophene	10.783	84	412379	4.825	ppbV	99
52) carbon tetrachloride	10.812	117	298153	4.845	ppbV	99
53) cyclohexane	10.943	56	111045	4.877	ppbV	99
54) tert-amyl methyl ether	11.320	73	295695	4.745	ppbV	99
55) dibromomethane	11.537	93	157543	4.795	ppbV	98
56) 1,2-dichloropropane	11.566	63	104451	4.900	ppbV	98
57) bromodichloromethane	11.792	83	235161	4.804	ppbV	100
58) 1,4-dioxane	11.829	88	70383	4.914	ppbV	98
59) trichloroethene	11.848	130	193650	4.816	ppbV	99
60) 2,2,4-trimethylpentane	11.895	57	349175	4.901	ppbV	100
61) methyl methacrylate	12.084	41	98080	4.804	ppbV	99
62) heptane	12.197	43	103236	4.803	ppbV	99
63) cis-1,3-dichloropropene	12.837	75	179990	4.755	ppbV	99
64) 4-methyl-2-pentanone	12.879	43	159534	4.815	ppbV	99
65) trans-1,3-dichloropropene	13.454	75	143548	4.677	ppbV	99
66) 1,1,2-trichloroethane	13.655	97	163952	4.823	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:49:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	13.980	91	440142	4.992	ppbV	99
70) 2-methylthiophene	14.047	97	609348	5.088	ppbV	100
71) 1,3-dichloropropane	14.005	76	192448	5.066	ppbV	99
72) 2-hexanone	14.263	43	150015	5.032	ppbV	99
73) 3-methylthiophene	14.247	97	636352	5.011	ppbV	99
74) dibromochloromethane	14.430	129	280365	4.897	ppbV	100
75) 1,2-dibromoethane	14.689	107	258667	4.890	ppbV	99
76) butyl acetate	14.931	73	52717	5.019	ppbV	96
77) octane	15.023	85	130858	5.016	ppbV	99
78) tetrachloroethene	15.148	166	268293	4.937	ppbV	98
79) 1,1,1,2-tetrachloroethane	15.760	131	220390	4.822	ppbV	99
80) chlorobenzene	15.778	112	367384	4.940	ppbV	99
81) ethylbenzene	16.109	91	572383	4.970	ppbV	100
82) 2-ethylthiophene	16.143	97	746063	5.036	ppbV	99
83) m+p-xylene	16.265	91	846098	9.946	ppbV	100
84) bromoform	16.326	173	271849	4.778	ppbV	99
85) styrene	16.570	104	337296	4.894	ppbV	100
86) 1,1,2,2-tetrachloroethane	16.657	83	309941	4.930	ppbV	99
87) o-xylene	16.666	91	427361	4.936	ppbV	100
88) 1,2,3-trichloropropane	16.770	75	214496	5.003	ppbV	100
89) nonane	16.849	43	168572	4.957	ppbV	99
91) isopropylbenzene	17.153	105	611866	4.904	ppbV	100
92) bromobenzene	17.223	77	268684	4.972	ppbV	95
93) 2-chlorotoluene	17.536	126	178710	5.067	ppbV	92
94) n-propylbenzene	17.571	120	178873	4.920	ppbV	95
95) 4-chlorotoluene	17.597	126	156885	4.667	ppbV	88
96) 4-ethyl toluene	17.684	105	553334	5.119	ppbV	100
97) 1,3,5-trimethylbenzene	17.745	105	463418	4.716	ppbV	100
98) tert-butylbenzene	18.071	119	578830	4.813	ppbV	100
99) 1,2,4-trimethylbenzene	18.071	105	521528	4.842	ppbV	97
100) decane	18.151	57	219378	4.912	ppbV	98
101) Benzyl Chloride	18.191	91	351123	4.600	ppbV	100
102) 1,3-dichlorobenzene	18.199	146	406389	4.982	ppbV	99
103) 1,4-dichlorobenzene	18.255	146	377575	4.699	ppbV	99
104) sec-butylbenzene	18.287	105	732689	4.965	ppbV	99
105) 1,2,3-trimethylbenzene	18.414	105	544830	4.827	ppbV	99
106) p-isopropyltoluene	18.414	119	710733	4.787	ppbV	100
107) 1,2-dichlorobenzene	18.526	146	380187	4.882	ppbV	99
108) n-butylbenzene	18.750	91	572693	4.867	ppbV	99
109) indan	18.582	117	437639	4.877	ppbV	99

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:49:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

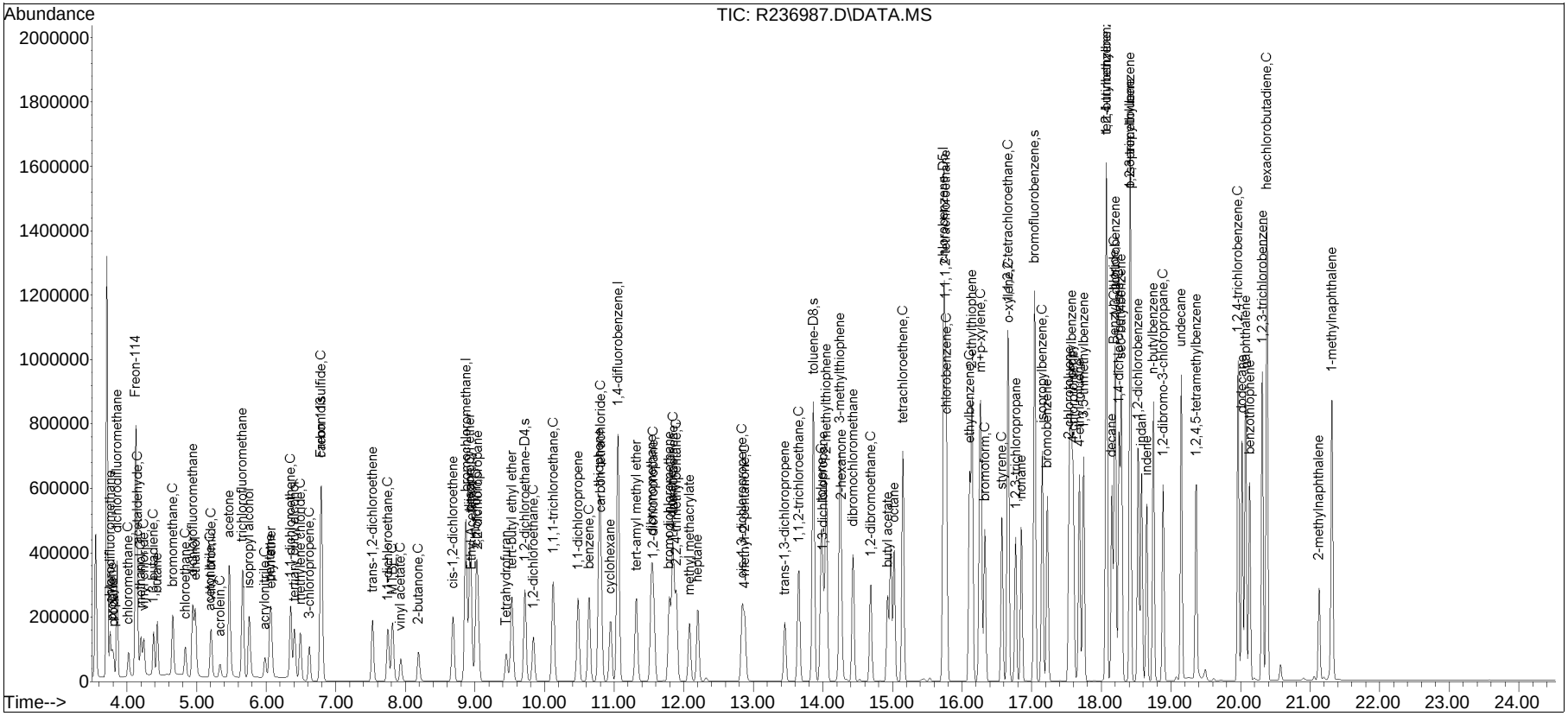
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.654	115	357296	4.806	ppbV	100
111) 1,2-dibromo-3-chloropr...	18.885	75	152014	4.763	ppbV	96
112) undecane	19.149	57	339824	4.640	ppbV	99
113) 1,2,4,5-tetramethylben...	19.364	119	410157	5.086	ppbV	99
114) dodecane	20.022	57	244868	4.748	ppbV	98
115) 1,2,4-trichlorobenzene	19.963	180	354513	4.541	ppbV	100
116) naphthalene	20.074	128	796722	4.689	ppbV	100
117) 1,2,3-trichlorobenzene	20.314	180	352298	4.559	ppbV	99
118) benzothiophene	20.133	134	536350	4.541	ppbV	100
119) hexachlorobutadiene	20.378	225	305868	4.623	ppbV	97
120) 2-methylnaphthalene	21.127	142	174786	3.947	ppbV	99
121) 1-methylnaphthalene	21.314	142	531938	4.166	ppbV	100

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236987.D
Acq On : 22 Nov 2025 12:33 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

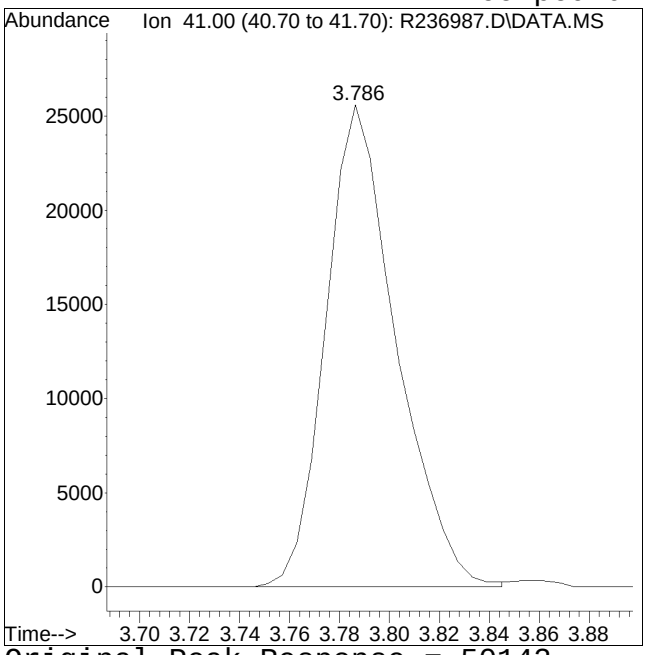
Quant Time: Nov 22 08:49:10 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration



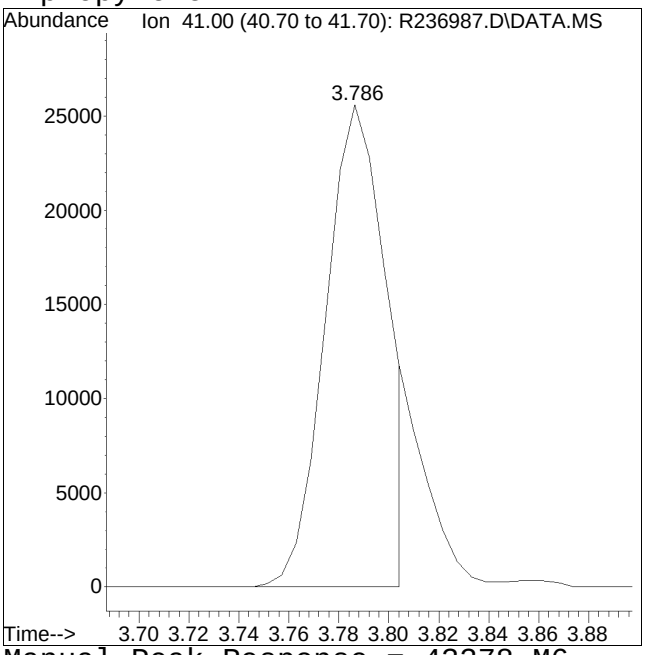
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236987.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 12:33 am Instrument : Airlab 23
Sample : ITO15-SIMSTD5.0 Quant Date : 11/22/2025 8:49 am

Compound #3: propylene



Original Peak Response = 50142



Manual Peak Response = 43378 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:40:28 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 15:01:07 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.874	49	215783	10.000	ppbV	# 0.00
Standard Area = 215783			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.060	114	895236	10.000	ppbV	# 0.00
Standard Area = 895236			Recovery = 100.00%			
67) chlorobenzene-D5	15.738	54	128102	10.000	ppbV	# 0.00
Standard Area = 128102			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.721	65	250667	7.885	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 78.85%			
69) toluene-D8	13.866	98	817190	12.180	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.80%			
90) bromofluorobenzene	17.044	95	446976	12.007	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.07%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.757	51	208645	9.036	ppbV	93
3) propylene	3.787	41	75308M6	6.616	ppbV	
4) propane	3.804	29	58943	7.703	ppbV	95
5) dichlorodifluoromethane	3.857	85	549450	11.893	ppbV	98
6) chloromethane	4.021	50	154072	10.004	ppbV	100
7) Freon-114	4.126	85	681775	13.454	ppbV	88
8) methanol	4.202	31	200025	44.547	ppbV	98
9) vinyl chloride	4.243	62	205605	11.579	ppbV	99
10) 1,3-butadiene	4.384	54	123963	10.126	ppbV	96
11) butane	4.436	43	246903	10.478	ppbV	99
12) acetaldehyde	4.144	29	302641	50.209	ppbV	99
13) bromomethane	4.659	94	256208	14.492	ppbV	99
14) chloroethane	4.840	64	123939	12.030	ppbV	99
15) ethanol	4.986	31	407783	42.957	ppbV	100
16) dichlorofluoromethane	4.945	67	400434	9.867	ppbV	99
17) vinyl bromide	5.210	106	179468	11.379	ppbV	98
18) acrolein	5.333	56	68379	9.073	ppbV	97
19) acetone	5.467	43	924365	40.966	ppbV	99
20) acetonitrile	5.204	41	99649	7.766	ppbV	98
21) trichlorofluoromethane	5.660	101	594381	12.844	ppbV	99
22) isopropyl alcohol	5.765	45	466162	18.691	ppbV	99
23) acrylonitrile	5.987	53	113926	8.888	ppbV	98
24) pentane	6.057	43	225285	8.386	ppbV #	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:40:28 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 15:01:07 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.075	31	105937	8.021	ppbV		90
26) 1,1-dichloroethene	6.354	61	330253	10.542	ppbV	#	89
27) tertiary butyl alcohol	6.410	59	246779	9.115	ppbV		96
28) methylene chloride	6.493	49	171015	8.801	ppbV	#	79
29) 3-chloropropene	6.622	41	129771	7.564	ppbV	#	82
30) carbon disulfide	6.790	76	443428	9.662	ppbV		100
31) Freon 113	6.790	101	467261	12.321	ppbV		93
32) trans-1,2-dichloroethene	7.531	61	221354	9.085	ppbV	#	80
33) 1,1-dichloroethane	7.753	63	331873	10.013	ppbV		100
34) MTBE	7.812	73	464070	9.962	ppbV		96
35) vinyl acetate	7.937	43	250636	7.162	ppbV	#	91
36) 2-butanone	8.186	43	244253	7.953	ppbV	#	90
37) cis-1,2-dichloroethene	8.686	61	255470	9.897	ppbV	#	78
38) Ethyl Acetate	8.947	61	45874	8.897	ppbV		88
39) chloroform	9.020	83	460901	11.769	ppbV		98
40) Tetrahydrofuran	9.444	42	116136	7.336	ppbV	#	83
41) 2,2-dichloropropane	9.045	77	375656	11.151	ppbV		92
42) 1,2-dichloroethane	9.843	62	280176	10.588	ppbV		98
44) hexane	8.931	57	212211	6.132	ppbV	#	96
45) diisopropyl ether	8.931	87	186260	8.358	ppbV	#	62
46) tert-butyl ethyl ether	9.534	59	542044	6.999	ppbV		92
48) 1,1,1-trichloroethane	10.121	97	530627	8.960	ppbV		92
49) 1,1-dichloropropene	10.485	75	335556	7.845	ppbV		89
50) benzene	10.645	78	646111	7.885	ppbV		94
51) thiophene	10.786	84	801721	11.537	ppbV		92
52) carbon tetrachloride	10.805	117	577226	9.565	ppbV		99
53) cyclohexane	10.947	56	213575	5.964	ppbV	#	87
54) tert-amyl methyl ether	11.314	73	584549	7.670	ppbV		95
55) dibromomethane	11.540	93	308190	8.740	ppbV		90
56) 1,2-dichloropropane	11.569	63	199960	6.953	ppbV		97
57) bromodichloromethane	11.795	83	459138	7.809	ppbV		99
58) 1,4-dioxane	11.833	88	134363	7.712	ppbV	#	82
59) trichloroethene	11.842	130	377182	9.554	ppbV		98
60) 2,2,4-trimethylpentane	11.889	57	668308	6.069	ppbV	#	97
61) methyl methacrylate	12.078	41	191516	6.027	ppbV	#	78
62) heptane	12.200	43	201596	5.446	ppbV	#	89
63) cis-1,3-dichloropropene	12.840	75	355085	7.900	ppbV		94
64) 4-methyl-2-pentanone	12.873	43	310814	6.144	ppbV	#	95
65) trans-1,3-dichloropropene	13.449	75	287906	8.075	ppbV		95
66) 1,1,2-trichloroethane	13.649	97	318861	8.882	ppbV		93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:40:28 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 15:01:07 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	13.975	91	860301	11.693	ppbV		100
70)	2-methylthiophene	14.050	97	1168480	17.271	ppbV		98
71)	1,3-dichloropropane	14.008	76	370656	10.381	ppbV		88
72)	2-hexanone	14.267	43	290860	8.256	ppbV	#	94
73)	3-methylthiophene	14.250	97	1238964	17.527	ppbV		99
74)	dibromochloromethane	14.433	129	558608	12.173	ppbV		100
75)	1,2-dibromoethane	14.684	107	516061	12.784	ppbV		100
76)	butyl acetate	14.926	73	102473	10.232	ppbV		80
77)	octane	15.026	85	254555	10.972	ppbV	#	75
78)	tetrachloroethene	15.151	166	530245	13.581	ppbV		94
79)	1,1,1,2-tetrachloroethane	15.764	131	445942	13.170	ppbV		99
80)	chlorobenzene	15.773	112	725611	12.386	ppbV		94
81)	ethylbenzene	16.103	91	1123572	11.834	ppbV		97
82)	2-ethylthiophene	16.147	97	1445441	17.432	ppbV	#	96
83)	m+p-xylene	16.260	91	1659995	23.066	ppbV		98
84)	bromoform	16.330	173	555143	12.295	ppbV		99
85)	styrene	16.574	104	672494	12.339	ppbV		97
86)	1,1,2,2-tetrachloroethane	16.661	83	613450	11.194	ppbV		99
87)	o-xylene	16.661	91	844813	11.618	ppbV		98
88)	1,2,3-trichloropropane	16.765	75	418315	10.033	ppbV		92
89)	nonane	16.852	43	331833	8.051	ppbV	#	94
91)	isopropylbenzene	17.148	105	1217459	11.970	ppbV		99
92)	bromobenzene	17.226	77	527253	10.199	ppbV	#	78
93)	2-chlorotoluene	17.540	126	344153	12.054	ppbV		73
94)	n-propylbenzene	17.566	120	354707	12.095	ppbV		90
95)	4-chlorotoluene	17.601	126	327997	12.310	ppbV		77
96)	4-ethyl toluene	17.688	105	1054577	10.733	ppbV		99
97)	1,3,5-trimethylbenzene	17.749	105	958737	12.178	ppbV		100
98)	tert-butylbenzene	18.074	119	1173368	12.568	ppbV		99
99)	1,2,4-trimethylbenzene	18.074	105	1050984	12.596	ppbV		98
100)	decane	18.154	57	435731	8.511	ppbV	#	96
101)	Benzyl Chloride	18.186	91	744779	10.906	ppbV		98
102)	1,3-dichlorobenzene	18.202	146	795916	12.714	ppbV		93
103)	1,4-dichlorobenzene	18.258	146	783972	13.141	ppbV		93
104)	sec-butylbenzene	18.290	105	1439903	11.657	ppbV		97
105)	1,2,3-trimethylbenzene	18.418	105	1101173	12.078	ppbV		99
106)	p-isopropyltoluene	18.410	119	1448744	12.584	ppbV		99
107)	1,2-dichlorobenzene	18.529	146	759821	12.703	ppbV		95
108)	n-butylbenzene	18.745	91	1148183	11.473	ppbV		97
109)	indan	18.577	117	875578	11.533	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:40:28 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 15:01:07 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

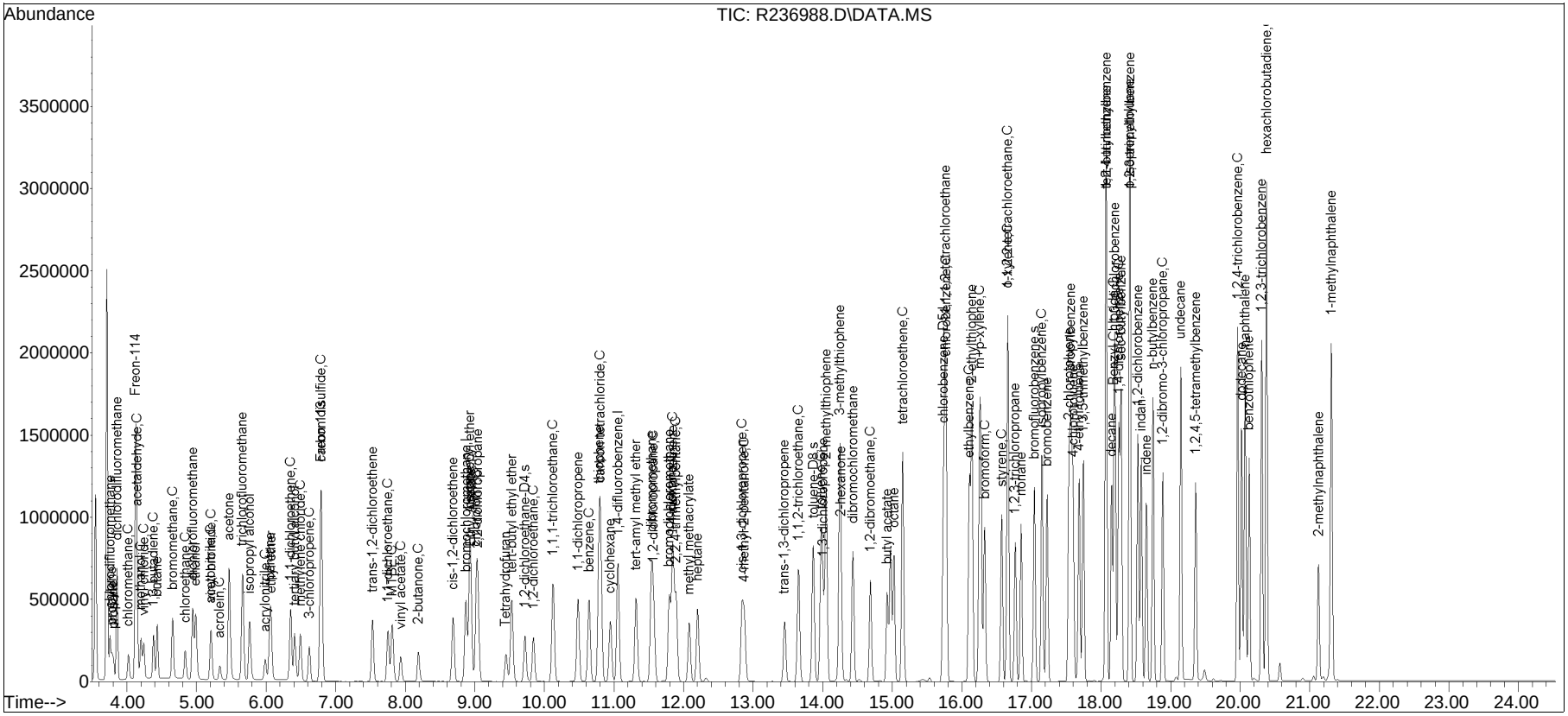
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	18.649	115	725390	11.748	ppbV		100
111) 1,2-dibromo-3-chloropr...	18.889	75	311388	10.526	ppbV		83
112) undecane	19.144	57	714568	9.772	ppbV	#	97
113) 1,2,4,5-tetramethylben...	19.360	119	786771	19.664	ppbV		98
114) dodecane	20.017	57	503191	8.404	ppbV		100
115) 1,2,4-trichlorobenzene	19.965	180	761631	14.741	ppbV		99
116) naphthalene	20.070	128	1657723	13.491	ppbV		99
117) 1,2,3-trichlorobenzene	20.310	180	753998	15.001	ppbV		99
118) benzothiophene	20.128	134	1152483	15.511	ppbV		97
119) hexachlorobutadiene	20.380	225	645503	14.237	ppbV		98
120) 2-methylnaphthalene	21.128	142	432051	17.754	ppbV		99
121) 1-methylnaphthalene	21.309	142	1245740	35.859	ppbV		99

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236988.D
Acq On : 22 Nov 2025 01:14 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD010
Misc : WG2145605
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 22 08:40:28 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Oct 12 15:01:07 2025
Response via : Initial Calibration

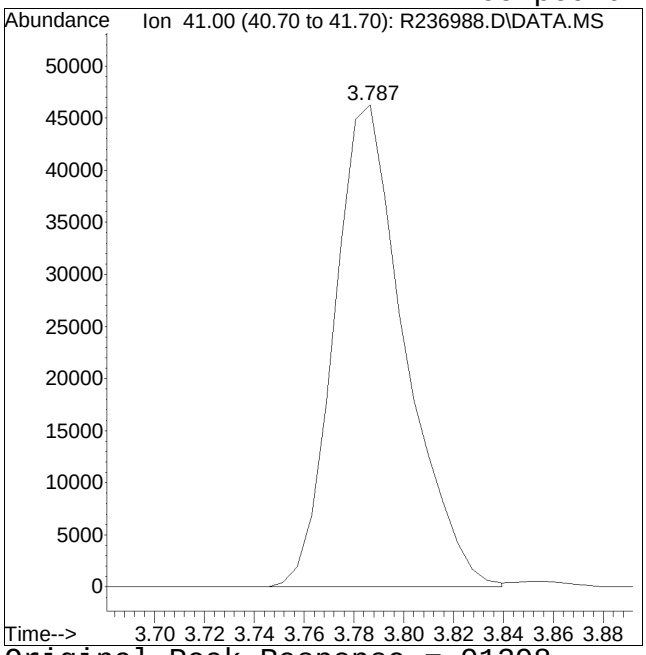


Manual Integration Report

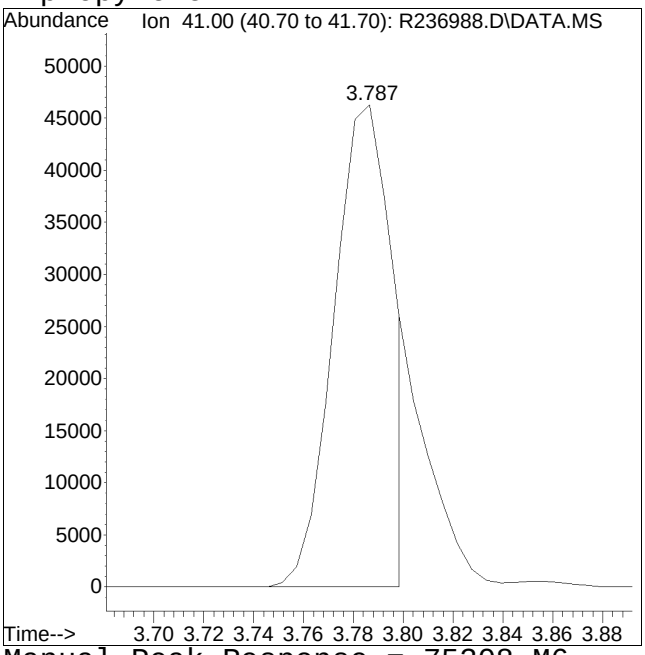
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Data File : R236988.D
Date Inj'd : 11/22/2025 1:14 am
Sample : ITO15-SIMSTD010

Method : TFS23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 8:40 am

Compound #3: propylene



Original Peak Response = 91298



Manual Peak Response = 75308 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.871	49	217031	10.000	ppbV	0.00
Standard Area = 215783			Recovery = 100.58%			
43) 1,4-difluorobenzene	11.057	114	911195	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 101.78%			
67) chlorobenzene-D5	15.735	54	128743	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 100.50%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.727	65	253688	9.943	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.43%			
69) toluene-D8	13.864	98	838986	10.216	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.16%			
90) bromofluorobenzene	17.041	95	466574	10.386	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.86%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.751	51	412791	19.671	ppbV	100
3) propylene	3.781	41	172446M6	22.767	ppbV	
4) propane	3.804	29	122854	20.723	ppbV	95
5) dichlorodifluoromethane	3.857	85	1116305	20.200	ppbV	100
6) chloromethane	4.021	50	315269	20.345	ppbV	100
7) Freon-114	4.126	85	1356121	19.777	ppbV	98
8) methanol	4.208	31	410498	102.022	ppbV	96
9) vinyl chloride	4.243	62	409900	19.822	ppbV	100
10) 1,3-butadiene	4.384	54	271635	21.787	ppbV	98
11) butane	4.436	43	495943	19.971	ppbV	100
12) acetaldehyde	4.144	29	609719	100.154	ppbV	99
13) bromomethane	4.653	94	513406	19.923	ppbV	100
14) chloroethane	4.840	64	246312	19.759	ppbV	99
15) ethanol	4.998	31	867676	105.778	ppbV	100
16) dichlorofluoromethane	4.945	67	838876	20.829	ppbV	100
17) vinyl bromide	5.210	106	415021	22.992	ppbV	99
18) acrolein	5.333	56	142903	20.778	ppbV	98
19) acetone	5.467	43	2053706	110.449	ppbV	98
20) acetonitrile	5.204	41	240905	24.036	ppbV	100
21) trichlorofluoromethane	5.660	101	1221003	20.424	ppbV	99
22) isopropyl alcohol	5.771	45	1095236	58.399	ppbV	100
23) acrylonitrile	5.993	53	239278	20.882	ppbV	98
24) pentane	6.057	43	467355	20.626	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.069	31	222159	20.850	ppbV	99
26) 1,1-dichloroethene	6.354	61	667080	20.083	ppbV	100
27) tertiary butyl alcohol	6.410	59	447913	18.046	ppbV	99
28) methylene chloride	6.493	49	397239	23.095	ppbV	99
29) 3-chloropropene	6.622	41	292849	22.437	ppbV	98
30) carbon disulfide	6.790	76	990851	22.217	ppbV	100
31) Freon 113	6.790	101	958954	20.405	ppbV	98
32) trans-1,2-dichloroethene	7.531	61	499367	22.430	ppbV	99
33) 1,1-dichloroethane	7.753	63	675870	20.248	ppbV	100
34) MTBE	7.813	73	1024569	21.951	ppbV	99
35) vinyl acetate	7.937	43	626261	24.843	ppbV	99
36) 2-butanone	8.186	43	551189	22.437	ppbV	100
37) cis-1,2-dichloroethene	8.692	61	527961	20.547	ppbV	100
38) Ethyl Acetate	8.953	61	102991	22.322	ppbV	71
39) chloroform	9.026	83	939319	20.263	ppbV	100
40) Tetrahydrofuran	9.450	42	264886	22.677	ppbV	99
41) 2,2-dichloropropane	9.042	77	777863	20.588	ppbV	99
42) 1,2-dichloroethane	9.849	62	577128	20.480	ppbV	99
44) hexane	8.937	57	473820	21.937	ppbV	94
45) diisopropyl ether	8.928	87	386151	20.369	ppbV	97
46) tert-butyl ethyl ether	9.531	59	1108760	20.097	ppbV	100
48) 1,1,1-trichloroethane	10.126	97	1107441	20.505	ppbV	100
49) 1,1-dichloropropene	10.482	75	693779	20.313	ppbV	98
50) benzene	10.643	78	1315347	20.001	ppbV	99
51) thiophene	10.793	84	1233581	15.117	ppbV	97
52) carbon tetrachloride	10.812	117	1211761	20.625	ppbV	99
53) cyclohexane	10.954	56	476739	21.931	ppbV	99
54) tert-amyl methyl ether	11.321	73	1238243	20.812	ppbV	100
55) dibromomethane	11.538	93	649153	20.694	ppbV	99
56) 1,2-dichloropropane	11.576	63	412513	20.268	ppbV	97
57) bromodichloromethane	11.793	83	1036330	22.176	ppbV	100
58) 1,4-dioxane	11.830	88	310143	22.678	ppbV	99
59) trichloroethene	11.849	130	777491	20.252	ppbV	99
60) 2,2,4-trimethylpentane	11.896	57	1472112	21.642	ppbV	100
61) methyl methacrylate	12.085	41	405366	20.795	ppbV	99
62) heptane	12.207	43	450444	21.953	ppbV	99
63) cis-1,3-dichloropropene	12.838	75	754075	20.865	ppbV	99
64) 4-methyl-2-pentanone	12.871	43	686593	21.703	ppbV	100
65) trans-1,3-dichloropropene	13.455	75	612520	20.902	ppbV	99
66) 1,1,2-trichloroethane	13.655	97	661309	20.376	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	13.981	91	1758570	20.340	ppbV	100
70)	2-methylthiophene	14.047	97	1724789	14.687	ppbV	100
71)	1,3-dichloropropane	14.006	76	761850	20.452	ppbV	99
72)	2-hexanone	14.264	43	670860	22.950	ppbV	99
73)	3-methylthiophene	14.248	97	1836674	14.750	ppbV	99
74)	dibromochloromethane	14.431	129	1297808	23.117	ppbV	100
75)	1,2-dibromoethane	14.690	107	1072123	20.672	ppbV	99
76)	butyl acetate	14.923	73	215613	20.936	ppbV	99
77)	octane	15.023	85	525298	20.533	ppbV	99
78)	tetrachloroethene	15.149	166	1119598	21.010	ppbV	99
79)	1,1,1,2-tetrachloroethane	15.761	131	977158	21.803	ppbV	100
80)	chlorobenzene	15.779	112	1527962	20.953	ppbV	99
81)	ethylbenzene	16.109	91	2311267	20.468	ppbV	99
82)	2-ethylthiophene	16.144	97	2141029	14.739	ppbV	99
83)	m+p-xylene	16.266	91	3411919	40.903	ppbV	98
84)	bromoform	16.327	173	1372506	24.600	ppbV	99
85)	styrene	16.571	104	1422614	21.049	ppbV	99
86)	1,1,2,2-tetrachloroethane	16.658	83	1278669	20.740	ppbV	100
87)	o-xylene	16.667	91	1760286	20.733	ppbV	99
88)	1,2,3-trichloropropane	16.771	75	874607	20.804	ppbV	98
89)	nonane	16.849	43	710198	21.296	ppbV	99
91)	isopropylbenzene	17.154	105	2590662	21.173	ppbV	98
92)	bromobenzene	17.224	77	1116325	21.067	ppbV	98
93)	2-chlorotoluene	17.546	126	775393	22.418	ppbV	88
94)	n-propylbenzene	17.572	120	767313	21.525	ppbV	91
95)	4-chlorotoluene	17.598	126	698221	21.181	ppbV	95
96)	4-ethyl toluene	17.685	105	2469771	23.303	ppbV	99
97)	1,3,5-trimethylbenzene	17.746	105	1974050	20.488	ppbV	98
98)	tert-butylbenzene	18.072	119	2552827	21.648	ppbV	99
99)	1,2,4-trimethylbenzene	18.080	105	2244686	21.252	ppbV	99
100)	decane	18.152	57	949785	21.689	ppbV	99
101)	Benzyl Chloride	18.192	91	1775509	23.721	ppbV	97
102)	1,3-dichlorobenzene	18.200	146	1768558	22.110	ppbV	100
103)	1,4-dichlorobenzene	18.255	146	1686557	21.406	ppbV	100
104)	sec-butylbenzene	18.287	105	3054049	21.104	ppbV	98
105)	1,2,3-trimethylbenzene	18.415	105	2388432	21.582	ppbV	99
106)	p-isopropyltoluene	18.415	119	3151916	21.648	ppbV	98
107)	1,2-dichlorobenzene	18.535	146	1665276	21.808	ppbV	99
108)	n-butylbenzene	18.750	91	2402865	20.823	ppbV	96
109)	indan	18.583	117	1957670	22.247	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

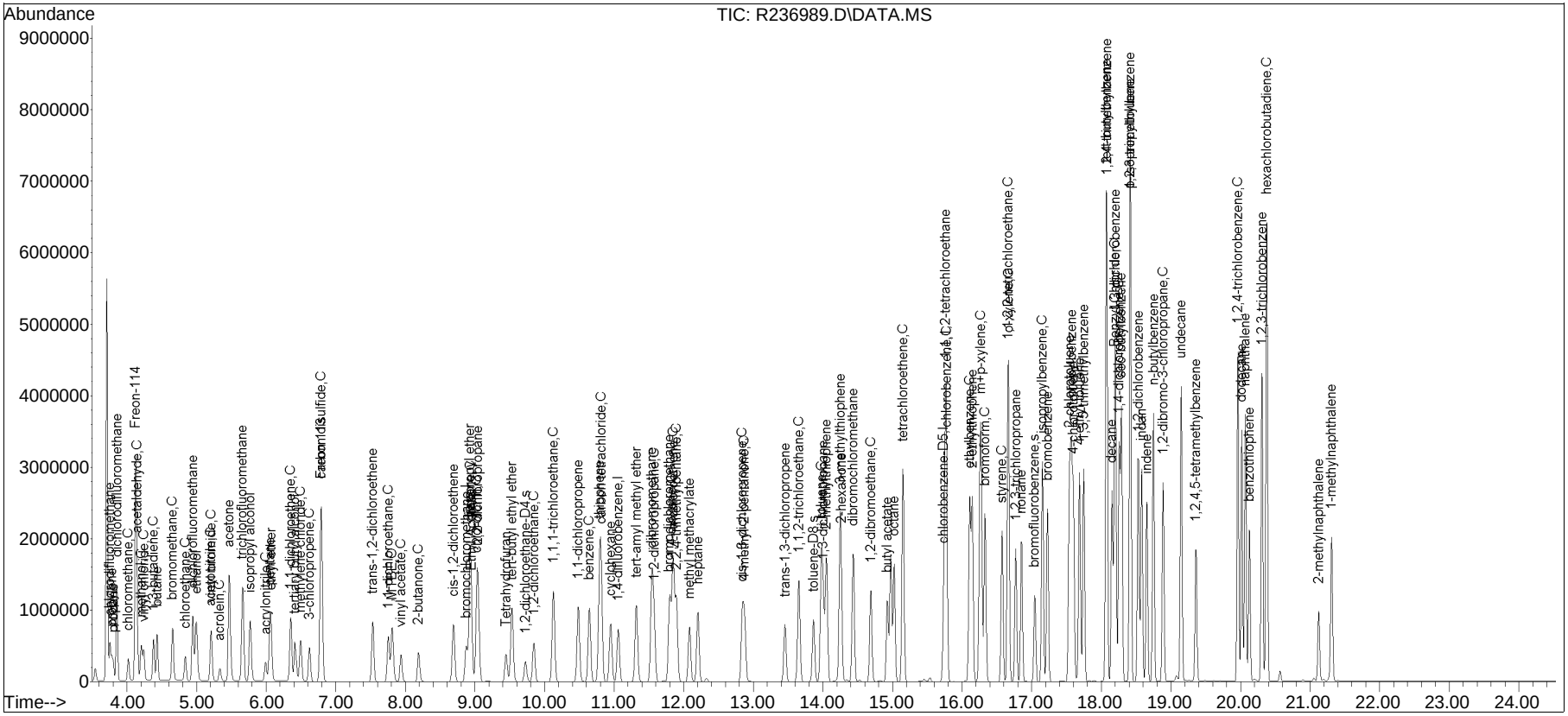
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.655	115	1620428	22.227	ppbV	100
111) 1,2-dibromo-3-chloropr...	18.886	75	674057	21.539	ppbV	99
112) undecane	19.149	57	1572216	21.893	ppbV	97
113) 1,2,4,5-tetramethylben...	19.357	119	1233183	15.596	ppbV	100
114) dodecane	20.017	57	1075186	21.261	ppbV	98
115) 1,2,4-trichlorobenzene	19.964	180	1668354	21.796	ppbV	99
116) naphthalene	20.069	128	3324019	19.952	ppbV	100
117) 1,2,3-trichlorobenzene	20.309	180	1586715	20.939	ppbV	99
118) benzothiophene	20.128	134	1835168	15.844	ppbV	99
119) hexachlorobutadiene	20.379	225	1403991	21.642	ppbV	98
120) 2-methylnaphthalene	21.122	142	595090	13.705	ppbV	99
121) 1-methylnaphthalene	21.309	142	1232420	9.844	ppbV	99

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236989.D
Acq On : 22 Nov 2025 01:52 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD020
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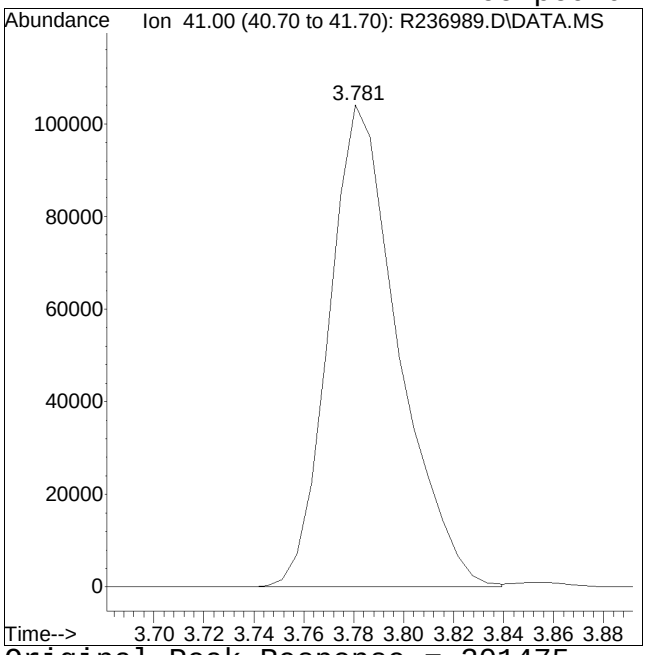
Quant Time: Nov 22 08:49:19 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration



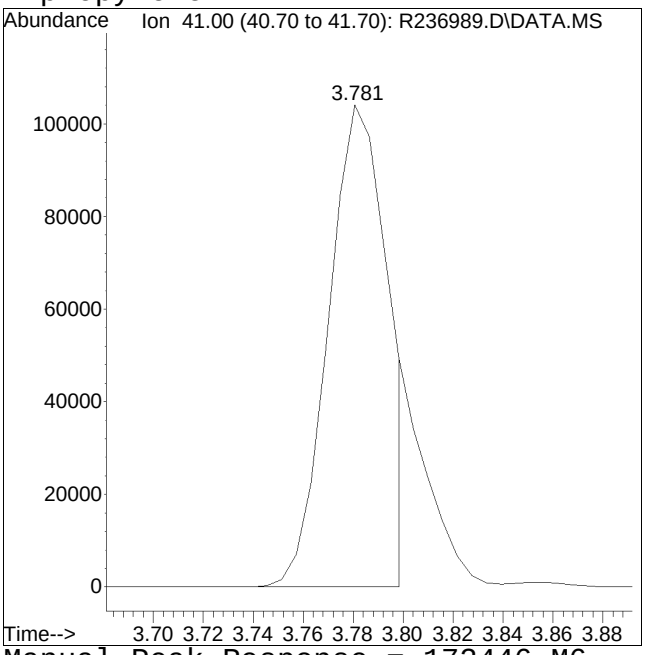
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236989.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 1:52 am Instrument : Airlab 23
Sample : ITO15-SIMSTD020 Quant Date : 11/22/2025 8:49 am

Compound #3: propylene



Original Peak Response = 201475



Manual Peak Response = 172446 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:27 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.882	49	217434	10.000	ppbV	0.00
Standard Area = 215783			Recovery = 100.77%			
43) 1,4-difluorobenzene	11.060	114	898107	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 100.32%			
67) chlorobenzene-D5	15.738	54	136363	10.000	ppbV	# 0.00
Standard Area = 128102			Recovery = 106.45%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.730	65	251071	9.984	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.84%			
69) toluene-D8	13.866	98	818323	9.407	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.07%			
90) bromofluorobenzene	17.044	95	486287	10.220	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.757	51	990929M4	47.133	ppbV	
3) propylene	3.781	41	407030M6	53.638	ppbV	
4) propane	3.804	29	298931	50.330	ppbV	95
5) dichlorodifluoromethane	3.857	85	2628510	47.476	ppbV	100
6) chloromethane	4.021	50	749410	48.271	ppbV	100
7) Freon-114	4.126	85	3155044	45.926	ppbV	100
8) methanol	4.214	31	997034	247.335	ppbV	92
9) vinyl chloride	4.243	62	958198	46.250	ppbV	100
10) 1,3-butadiene	4.383	54	640333	51.263	ppbV	99
11) butane	4.436	43	1158923	46.582	ppbV	100
12) acetaldehyde	4.143	29	1336787	219.177	ppbV	91
13) bromomethane	4.659	94	1191890	46.167	ppbV	100
14) chloroethane	4.840	64	576237	46.141	ppbV	100
15) ethanol	5.010	31	2079175	253.001	ppbV	98
16) dichlorofluoromethane	4.951	67	2079104	51.527	ppbV	100
17) vinyl bromide	5.216	106	1029207	56.912	ppbV	99
18) acrolein	5.338	56	353561	51.313	ppbV	97
19) acetone	5.479	43	5075193	272.439	ppbV	99
20) acetonitrile	5.216	41	525993	52.384	ppbV	97
21) trichlorofluoromethane	5.666	101	2950397	49.261	ppbV	99
22) isopropyl alcohol	5.788	45	2722716	144.909	ppbV	100
23) acrylonitrile	5.999	53	612904	53.390	ppbV	98
24) pentane	6.057	43	1168973	51.495	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:27 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.075	31	565786	53.002	ppbV	95
26) 1,1-dichloroethene	6.359	61	1593720	47.891	ppbV	100
27) tertiary butyl alcohol	6.438	59	1127361	45.336	ppbV	100
28) methylene chloride	6.499	49	963210	55.895	ppbV	98
29) 3-chloropropene	6.628	41	719683	55.037	ppbV	97
30) carbon disulfide	6.796	76	2419691	54.154	ppbV	99
31) Freon 113	6.796	101	2346987	49.847	ppbV	96
32) trans-1,2-dichloroethene	7.536	61	1203663	53.964	ppbV	99
33) 1,1-dichloroethane	7.764	63	1612755	48.227	ppbV	99
34) MTBE	7.812	73	2448767	52.367	ppbV	99
35) vinyl acetate	7.943	43	1645572	65.157	ppbV	100
36) 2-butanone	8.197	43	1350337	54.865	ppbV	99
37) cis-1,2-dichloroethene	8.695	61	1272823	49.444	ppbV	98
38) Ethyl Acetate	8.955	61	260699	56.398	ppbV	80
39) chloroform	9.037	83	2294987	49.415	ppbV	99
40) Tetrahydrofuran	9.444	42	654204	55.903	ppbV	98
41) 2,2-dichloropropane	9.053	77	1937764	51.192	ppbV	98
42) 1,2-dichloroethane	9.852	62	1411199	49.986	ppbV	100
44) hexane	8.939	57	1211657	56.914	ppbV	97
45) diisopropyl ether	8.931	87	954169	51.064	ppbV	92
46) tert-butyl ethyl ether	9.534	59	2688054	49.433	ppbV	100
48) 1,1,1-trichloroethane	10.129	97	2681173	50.367	ppbV	99
49) 1,1-dichloropropene	10.485	75	1658004	49.253	ppbV	96
50) benzene	10.645	78	3120196	48.138	ppbV	98
51) thiophene	10.796	84	3005126	37.364	ppbV	100
52) carbon tetrachloride	10.815	117	3016534	52.092	ppbV	99
53) cyclohexane	10.956	56	1163399	54.298	ppbV	99
54) tert-amyl methyl ether	11.324	73	3020101	51.500	ppbV	98
55) dibromomethane	11.550	93	1580663	51.125	ppbV	95
56) 1,2-dichloropropane	11.578	63	998257	49.763	ppbV	99
57) bromodichloromethane	11.805	83	2544577	55.244	ppbV	99
58) 1,4-dioxane	11.833	88	758248	56.252	ppbV	98
59) trichloroethene	11.852	130	1933466	51.097	ppbV	99
60) 2,2,4-trimethylpentane	11.899	57	3603375	53.746	ppbV	99
61) methyl methacrylate	12.087	41	1025212	53.360	ppbV	97
62) heptane	12.210	43	1147069	56.718	ppbV	98
63) cis-1,3-dichloropropene	12.849	75	1841534	51.696	ppbV	95
64) 4-methyl-2-pentanone	12.874	43	1692329	54.274	ppbV	99
65) trans-1,3-dichloropropene	13.458	75	1507521	52.194	ppbV	98
66) 1,1,2-trichloroethane	13.658	97	1576521	49.284	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:27 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	13.983	91	4233225	46.225	ppbV	99
70)	2-methylthiophene	14.058	97	4157209	33.423	ppbV	99
71)	1,3-dichloropropane	14.008	76	1842600	46.700	ppbV	95
72)	2-hexanone	14.267	43	1765151	57.011	ppbV	97
73)	3-methylthiophene	14.250	97	4525485	34.314	ppbV	98
74)	dibromochloromethane	14.442	129	3273214	55.046	ppbV	99
75)	1,2-dibromoethane	14.692	107	2647152	48.188	ppbV	99
76)	butyl acetate	14.926	73	528411	48.442	ppbV	97
77)	octane	15.026	85	1305321	48.172	ppbV	94
78)	tetrachloroethene	15.151	166	2866787	50.790	ppbV	99
79)	1,1,1,2-tetrachloroethane	15.764	131	2521427	53.116	ppbV	99
80)	chlorobenzene	15.782	112	3817756	49.427	ppbV	99
81)	ethylbenzene	16.112	91	5626064	47.040	ppbV	97
82)	2-ethylthiophene	16.147	97	5287160	34.362	ppbV	98
83)	m+p-xylene	16.269	91	8668866	98.117	ppbV	98
84)	bromoform	16.330	173	3650021	61.766	ppbV	99
85)	styrene	16.574	104	3530537	49.319	ppbV	98
86)	1,1,2,2-tetrachloroethane	16.661	83	3268541	50.053	ppbV	99
87)	o-xylene	16.669	91	4508670	50.136	ppbV	98
88)	1,2,3-trichloropropane	16.774	75	2216663	49.780	ppbV	98
89)	nonane	16.852	43	1955025	55.347	ppbV	98
91)	isopropylbenzene	17.157	105	6382717	49.250	ppbV	96
92)	bromobenzene	17.227	77	2886135	51.423	ppbV	97
93)	2-chlorotoluene	17.540	126	1925424	52.557	ppbV	83
94)	n-propylbenzene	17.566	120	1967433	52.106	ppbV	86
95)	4-chlorotoluene	17.601	126	1853570	53.088	ppbV	94
96)	4-ethyl toluene	17.688	105	6024733	53.668	ppbV	97
97)	1,3,5-trimethylbenzene	17.749	105	5130741	50.274	ppbV	96
98)	tert-butylbenzene	18.074	119	6387296	51.138	ppbV	97
99)	1,2,4-trimethylbenzene	18.074	105	5780446	51.668	ppbV	95
100)	decane	18.154	57	2653365	57.206	ppbV	99
101)	Benzyl Chloride	18.194	91	4918856	62.043	ppbV	95
102)	1,3-dichlorobenzene	18.202	146	4703881	55.520	ppbV	96
103)	1,4-dichlorobenzene	18.258	146	4411558	52.863	ppbV	97
104)	sec-butylbenzene	18.290	105	7628029	49.767	ppbV	95
105)	1,2,3-trimethylbenzene	18.417	105	6182777	52.746	ppbV	99
106)	p-isopropyltoluene	18.417	119	7843217	50.858	ppbV	95
107)	1,2-dichlorobenzene	18.529	146	4415578	54.593	ppbV	98
108)	n-butylbenzene	18.753	91	6097473	49.888	ppbV	92
109)	indan	18.585	117	4949533	53.104	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:27 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

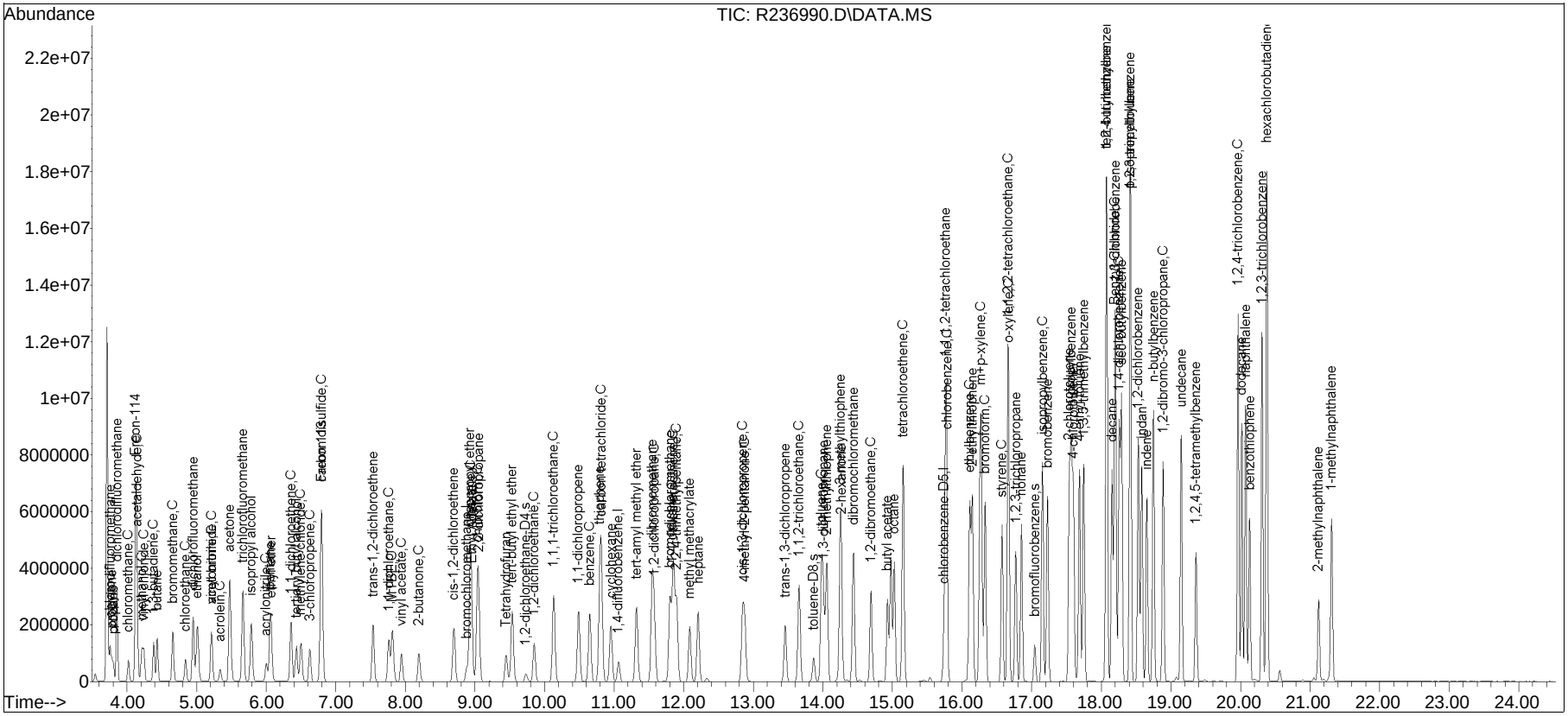
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	18.657	115	4135495	53.557	ppbV	99
111) 1,2-dibromo-3-chloropr...	18.888	75	1874855	56.562	ppbV	100
112) undecane	19.152	57	3423600	45.009	ppbV	96
113) 1,2,4,5-tetramethylben...	19.359	119	3012947	35.975	ppbV	99
114) dodecane	20.017	57	2814940	52.553	ppbV	100
115) 1,2,4-trichlorobenzene	19.964	180	4649357	57.347	ppbV	99
116) naphthalene	20.075	128	8425284	47.745	ppbV	97
117) 1,2,3-trichlorobenzene	20.309	180	4463581	55.613	ppbV	99
118) benzothiophene	20.134	134	4986480	40.646	ppbV	100
119) hexachlorobutadiene	20.379	225	3963566	57.683	ppbV	97
120) 2-methylnaphthalene	21.122	142	1751330	38.080	ppbV	99
121) 1-methylnaphthalene	21.309	142	3471320	26.177	ppbV	99

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236990.D
Acq On : 22 Nov 2025 02:30 am
Operator : AIRLAB23:BJB
Sample : ITO15-SIMSTD050
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:27 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

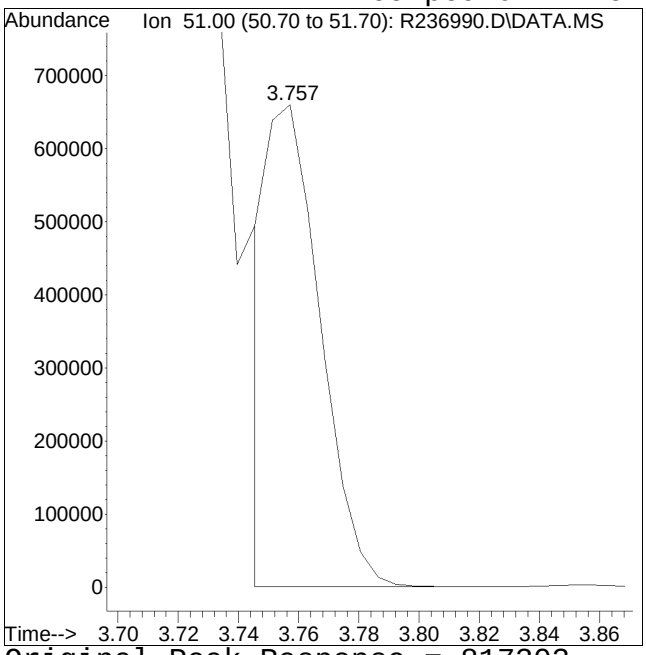


Manual Integration Report

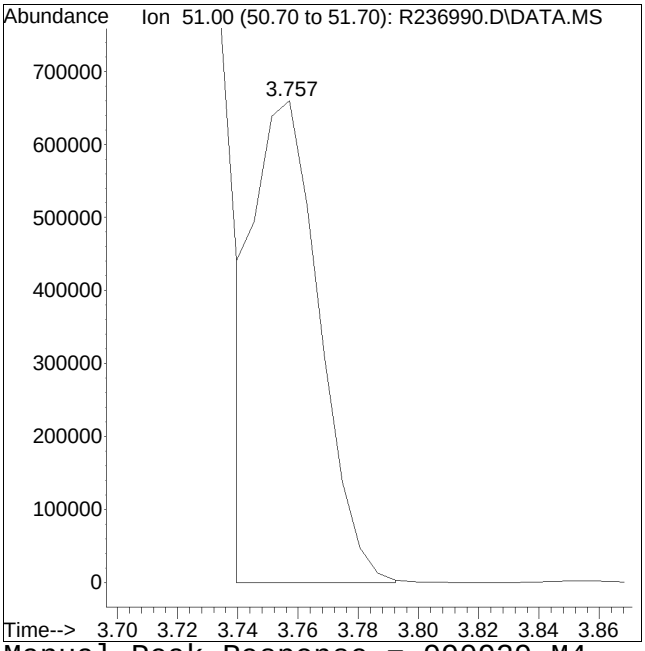
Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R236990.D
Date Inj'd : 11/22/2025 2:30 am
Sample : ITO15-SIMSTD050

Method : TFS23_251121.M
Operator : AIRLAB23:BJB
Instrument : Airlab 23
Quant Date : 11/22/2025 8:49 am

Compound #2: chlorodifluoromethane



Original Peak Response = 817303



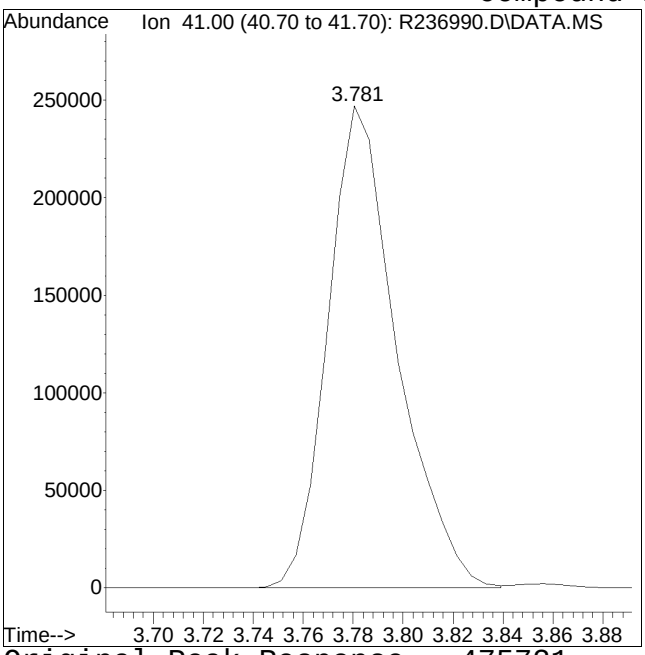
Manual Peak Response = 990929 M4

M4 = Poor automated baseline construction.

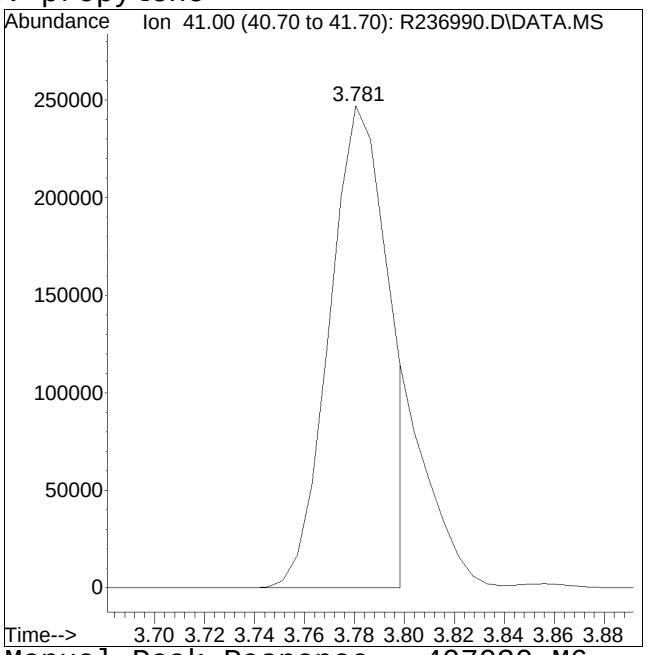
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236990.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 2:30 am Instrument : Airlab 23
Sample : ITO15-SIMSTD050 Quant Date : 11/22/2025 8:49 am

Compound #3: propylene



Original Peak Response = 475721



Manual Peak Response = 407030 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236991.D
Acq On : 22 Nov 2025 03:11 am
Operator : AIRLAB23:BJB
Sample : ITO15-LLSTD100
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:35 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.888	49	228284	10.000	ppbV	0.01
Standard Area = 215783			Recovery = 105.79%			
43) 1,4-difluorobenzene	11.067	114	937277	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 104.70%			
67) chlorobenzene-D5	15.744	54	140212	10.000	ppbV	# 0.00
Standard Area = 128102			Recovery = 109.45%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.743	65	253736	9.668	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.68%			
69) toluene-D8	13.872	98	827849	9.255	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.55%			
90) bromofluorobenzene	17.050	95	492876	10.075	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.75%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.758	51	1879351M3	85.142	ppbV	
3) propylene	3.787	41	882962M6	110.826	ppbV	
4) propane	3.810	29	626632	100.490	ppbV	# 90
5) dichlorodifluoromethane	3.857	85	5242523	90.189	ppbV	99
6) chloromethane	4.027	50	1477729	90.659	ppbV	100
7) Freon-114	4.132	85	5768663	79.979	ppbV	99
8) methanol	4.226	31	1973751	466.358	ppbV	88
9) vinyl chloride	4.249	62	1887803	86.789	ppbV	99
10) 1,3-butadiene	4.390	54	1250529	95.355	ppbV	97
11) butane	4.436	43	2244570	85.931	ppbV	99
12) acetaldehyde	4.156	29	2357193	368.111	ppbV	# 82
13) bromomethane	4.665	94	2237355	82.544	ppbV	99
14) chloroethane	4.846	64	1100823	83.956	ppbV	100
15) ethanol	5.034	31	4396943	509.605	ppbV	98
16) dichlorofluoromethane	4.957	67	4631450	109.327	ppbV	99
17) vinyl bromide	5.222	106	2062598	108.635	ppbV	99
18) acrolein	5.350	56	715400	98.894	ppbV	97
19) acetone	5.491	43	10265875	524.885	ppbV	96
20) acetonitrile	5.228	41	1077303	102.190	ppbV	97
21) trichlorofluoromethane	5.672	101	5907741	93.950	ppbV	98
22) isopropyl alcohol	5.806	45	5649578	286.392	ppbV	100
23) acrylonitrile	6.017	53	1316057	109.193	ppbV	99
24) pentane	6.063	43	2467142	103.515	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236991.D
Acq On : 22 Nov 2025 03:11 am
Operator : AIRLAB23:BJB
Sample : ITO15-LLSTD100
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:35 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.081	31	1294425	115.497	ppbV		93
26) 1,1-dichloroethene	6.363	61	3302575	94.525	ppbV		98
27) tertiary butyl alcohol	6.448	59	4044052	154.900	ppbV		98
28) methylene chloride	6.510	49	1695574	93.718	ppbV		95
29) 3-chloropropene	6.633	41	1495556	108.935	ppbV		94
30) carbon disulfide	6.802	76	4977086	106.095	ppbV		98
31) Freon 113	6.802	101	4764387	96.381	ppbV		93
32) trans-1,2-dichloroethene	7.542	61	2415762	103.159	ppbV		97
33) 1,1-dichloroethane	7.769	63	3228778	91.962	ppbV		99
34) MTBE	7.818	73	4882922	99.458	ppbV		97
35) vinyl acetate	7.953	43	3473009	130.980	ppbV		99
36) 2-butanone	8.208	43	2748768	106.375	ppbV		98
37) cis-1,2-dichloroethene	8.708	61	2547299	94.250	ppbV		97
38) Ethyl Acetate	8.969	61	531614	109.540	ppbV	#	54
39) chloroform	9.051	83	4684564	96.073	ppbV		97
40) Tetrahydrofuran	9.458	42	1343101	109.316	ppbV		96
41) 2,2-dichloropropane	9.059	77	4067259	102.342	ppbV		98
42) 1,2-dichloroethane	9.857	62	2861729	96.547	ppbV		99
44) hexane	8.945	57	2532559	113.989	ppbV		82
45) diisopropyl ether	8.945	87	1946085	99.796	ppbV		89
46) tert-butyl ethyl ether	9.540	59	5495382	96.835	ppbV		99
48) 1,1,1-trichloroethane	10.135	97	6094795	109.708	ppbV		97
49) 1,1-dichloropropene	10.492	75	3329314	94.767	ppbV		95
50) benzene	10.652	78	6069938	89.732	ppbV		96
51) thiophene	10.803	84	6078773	72.421	ppbV		98
52) carbon tetrachloride	10.822	117	6216151	102.860	ppbV		100
53) cyclohexane	10.954	56	2395350	107.124	ppbV		96
54) tert-amyl methyl ether	11.331	73	6138696	100.306	ppbV		97
55) dibromomethane	11.557	93	3203145	99.272	ppbV		95
56) 1,2-dichloropropane	11.585	63	2052382	98.036	ppbV		99
57) bromodichloromethane	11.811	83	5114198	106.391	ppbV		98
58) 1,4-dioxane	11.840	88	1565587	111.293	ppbV		95
59) trichloroethene	11.859	130	3963011	100.356	ppbV		99
60) 2,2,4-trimethylpentane	11.906	57	7531585	107.641	ppbV		98
61) methyl methacrylate	12.094	41	2203683	109.904	ppbV		92
62) heptane	12.207	43	2448685	116.017	ppbV		95
63) cis-1,3-dichloropropene	12.846	75	3700353	99.536	ppbV		95
64) 4-methyl-2-pentanone	12.888	43	3499301	107.535	ppbV		99
65) trans-1,3-dichloropropene	13.463	75	3017563	100.109	ppbV		96
66) 1,1,2-trichloroethane	13.664	97	3090008	92.561	ppbV		98

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236991.D
Acq On : 22 Nov 2025 03:11 am
Operator : AIRLAB23:BJB
Sample : ITO15-LLSTD100
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:35 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	13.989	91	8245022	87.561	ppbV		97
70) 2-methylthiophene	14.064	97	8275800	64.708	ppbV		98
71) 1,3-dichloropropane	14.022	76	3797871	93.614	ppbV		93
72) 2-hexanone	14.273	43	3577480	112.374	ppbV		99
73) 3-methylthiophene	14.256	97	8881622	65.494	ppbV		97
74) dibromochloromethane	14.439	129	6562951	107.340	ppbV		98
75) 1,2-dibromoethane	14.698	107	5230871	92.607	ppbV		99
76) butyl acetate	14.932	73	1085210	96.755	ppbV		98
77) octane	15.032	85	2723336	97.744	ppbV		94
78) tetrachloroethene	15.157	166	5655407	97.445	ppbV		97
79) 1,1,1,2-tetrachloroethane	15.770	131	4755037	97.420	ppbV		99
80) chlorobenzene	15.779	112	7331668	92.314	ppbV		95
81) ethylbenzene	16.118	91	10963352	89.148	ppbV		95
82) 2-ethylthiophene	16.153	97	10272439	64.930	ppbV		96
83) m+p-xylene	16.275	91	16894750	185.971	ppbV		96
84) bromoform	16.336	173	7014951	115.449	ppbV		97
85) styrene	16.580	104	6971385	94.711	ppbV		96
86) 1,1,2,2-tetrachloroethane	16.667	83	5861858	87.303	ppbV		99
87) o-xylene	16.667	91	8125939	87.879	ppbV		98
88) 1,2,3-trichloropropane	16.771	75	4647725	101.510	ppbV		100
89) nonane	16.858	43	3982051	109.637	ppbV		99
91) isopropylbenzene	17.154	105	12070943	90.585	ppbV		92
92) bromobenzene	17.232	77	5948834	103.082	ppbV		99
93) 2-chlorotoluene	17.546	126	3930468	104.343	ppbV		87
94) n-propylbenzene	17.572	120	3989117	102.749	ppbV		69
95) 4-chlorotoluene	17.607	126	3755319	104.604	ppbV		89
96) 4-ethyl toluene	17.685	105	11746163	101.763	ppbV		93
97) 1,3,5-trimethylbenzene	17.746	105	10000909	95.304	ppbV		95
98) tert-butylbenzene	18.080	119	9960997	77.560	ppbV		96
99) 1,2,4-trimethylbenzene	18.080	105	8996882	78.211	ppbV		95
100) decane	18.160	57	5281239	110.736	ppbV		96
101) Benzyl Chloride	18.200	91	9220643	113.111	ppbV		94
102) 1,3-dichlorobenzene	18.208	146	8447651	96.970	ppbV		92
103) 1,4-dichlorobenzene	18.263	146	8330134	97.078	ppbV		93
104) sec-butylbenzene	18.295	105	13996959	88.812	ppbV	#	90
105) 1,2,3-trimethylbenzene	18.423	105	9279830	76.994	ppbV		99
106) p-isopropyltoluene	18.423	119	11350354	71.579	ppbV		94
107) 1,2-dichlorobenzene	18.535	146	8505620	102.274	ppbV		93
108) n-butylbenzene	18.750	91	11289673	89.834	ppbV		89
109) indan	18.583	117	9593004	100.099	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236991.D
Acq On : 22 Nov 2025 03:11 am
Operator : AIRLAB23:BJB
Sample : ITO15-LLSTD100
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 22 08:49:35 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default - All compounds listed

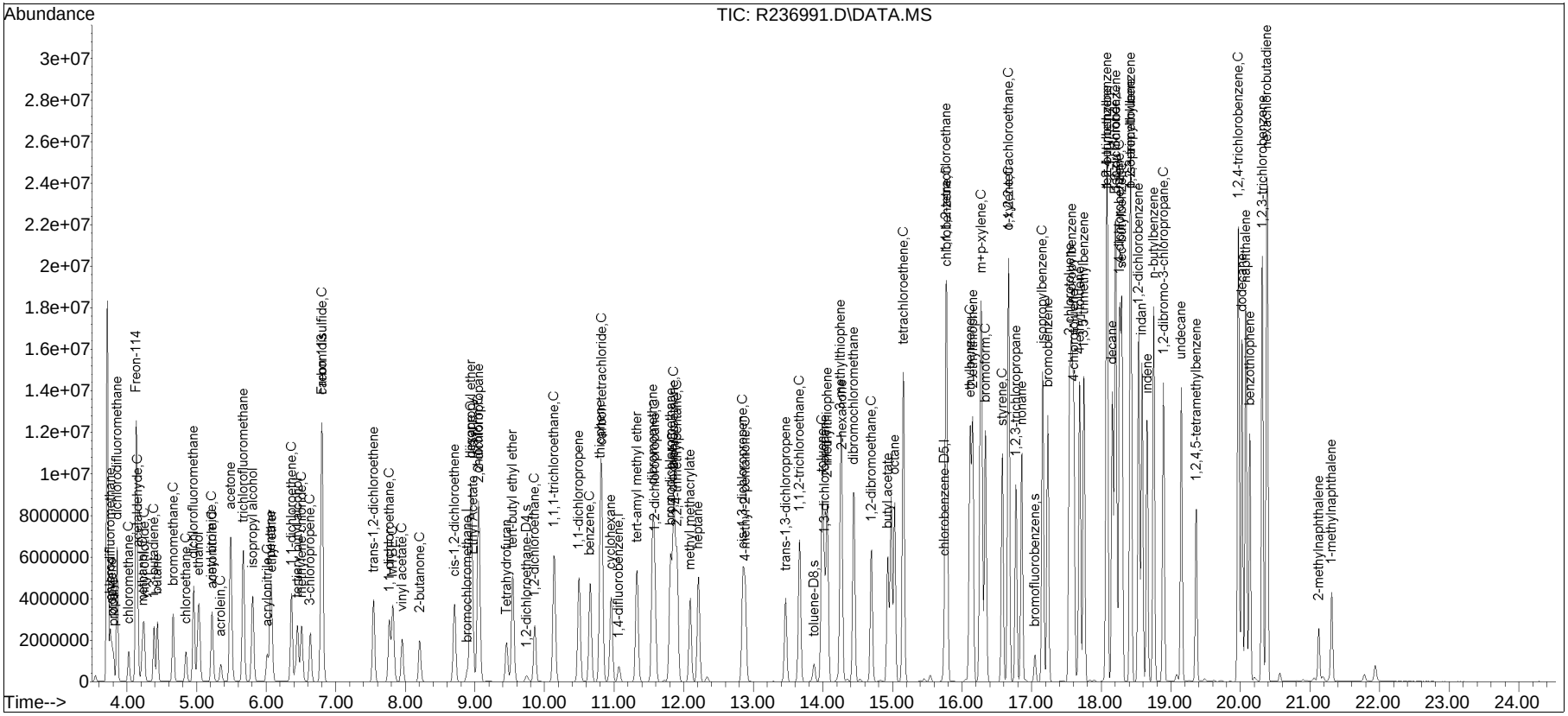
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	18.663	115	8078628	101.751	ppbV		97
111) 1,2-dibromo-3-chloropr...	18.894	75	3847270	112.881	ppbV	#	90
112) undecane	19.149	57	5648798	72.224	ppbV		94
113) 1,2,4,5-tetramethylben...	19.365	119	5558183	64.544	ppbV		99
114) dodecane	20.023	57	5363565	97.385	ppbV		93
115) 1,2,4-trichlorobenzene	19.970	180	8371402	100.421	ppbV		95
116) naphthalene	20.075	128	15438162	85.085	ppbV	#	92
117) 1,2,3-trichlorobenzene	20.315	180	7753742	93.953	ppbV		95
118) benzothiophene	20.134	134	9685936	76.785	ppbV		97
119) hexachlorobutadiene	20.379	225	6138771	86.887	ppbV		98
120) 2-methylnaphthalene	21.127	142	1580412	33.420	ppbV		99
121) 1-methylnaphthalene	21.309	142	2591846	19.009	ppbV		99

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

Sub List : Default - All compounds listed1\1121T_I\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236991.D
Acq On : 22 Nov 2025 03:11 am
Operator : AIRLAB23:BJB
Sample : ITO15-LLSTD100
Misc : WG2145605
ALS Vial : 8 Sample Multiplier: 1

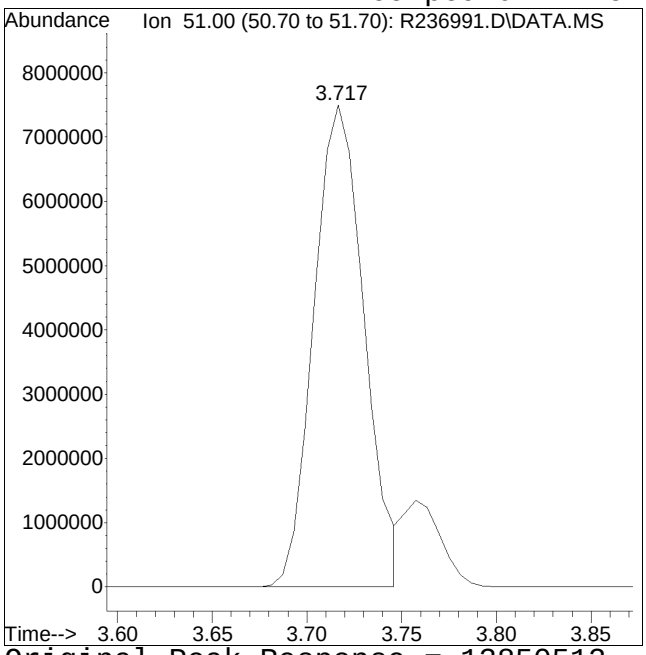
Quant Time: Nov 22 08:49:35 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sat Nov 22 08:42:57 2025
Response via : Initial Calibration

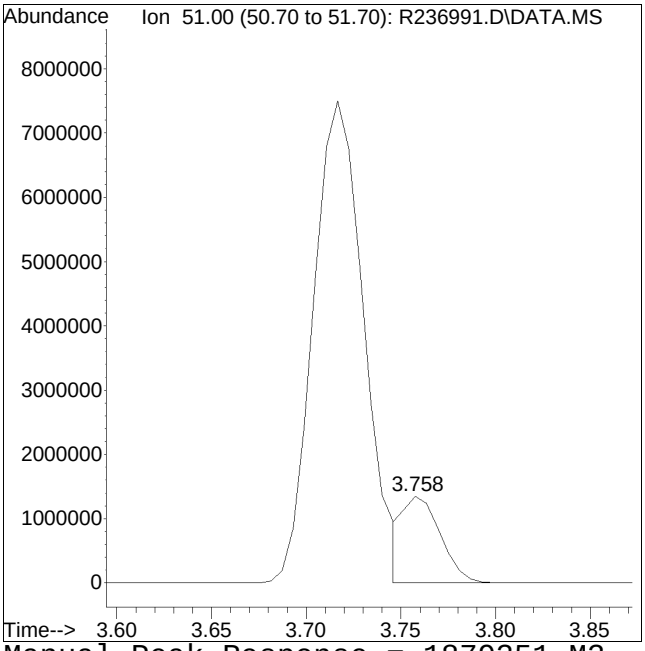


Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236991.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 3:11 am Instrument : Airlab 23
Sample : ITO15-LLSTD100 Quant Date : 11/22/2025 8:49 am

Compound #2: chlorodifluoromethane





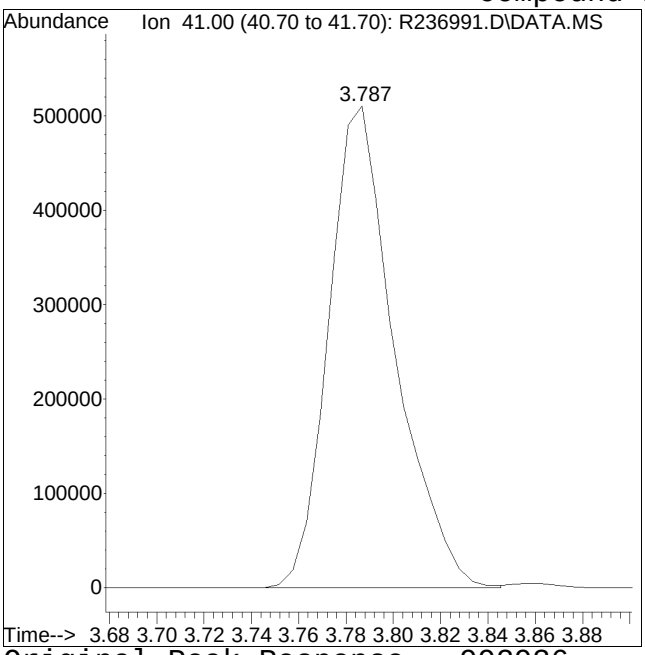
Original Peak Response = 13850512 Manual Peak Response = 1879351 M3

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.

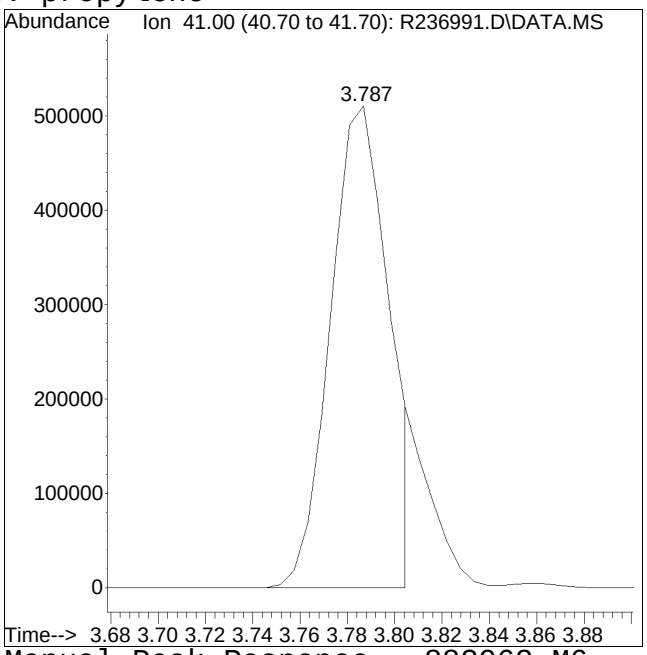
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236991.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 3:11 am Instrument : Airlab 23
Sample : ITO15-LLSTD100 Quant Date : 11/22/2025 8:49 am

Compound #3: propylene



Original Peak Response = 992936



Manual Peak Response = 882962 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	106	0.00
2		chlorodifluoromethane	1.046	1.104	-5.5	121	0.00
3		propylene	0.406	0.429	-5.7	130	0.00
4		propane	0.294	0.295	-0.3	114	0.00
5		dichlorodifluoromethane	2.704	2.585	4.4	107	0.00
6	C	chloromethane	0.750	0.633	15.6	94	0.00
7		Freon-114	3.241	3.087	4.8	103	0.00
8	C	methanol	0.192	0.167	13.0	95	0.00
9	C	vinyl chloride	0.996	0.853	14.4	95	0.00
10	C	1,3-butadiene	0.640	0.567	11.4	104	0.00
11		butane	1.207	0.976	19.1	90	0.00
13	C	bromomethane	1.216	1.129	7.2	100	0.00
14	C	chloroethane	0.584	0.513	12.2	94	0.00
15		ethanol	0.386	0.330	14.5	92	0.00
16		dichlorofluoromethane	1.983	1.666	16.0	95	0.00
17	C	vinyl bromide	0.922	0.924	-0.2	117	0.00
18	C	acrolein	0.325	0.250	23.1	83	0.00
19		acetone	0.977	0.890	8.9	110	0.00
20	C	acetonitrile	0.523	0.459	12.2	105	0.00
21		trichlorofluoromethane	2.884	2.684	6.9	103	0.00
22		isopropyl alcohol	1.028	0.988	3.9	121	0.00
23	C	acrylonitrile	0.565	0.439	22.3	88	0.00
24		pentane	1.122	0.926	17.5	94	0.00
25		ethyl ether	0.536	0.447	16.6	96	0.00
26	C	1,1-dichloroethene	1.540	1.490	3.2	103	0.00
27		tertiary butyl alcohol	1.290	0.839	35.0#	78	-0.01
28	C	methylene chloride	0.868	0.764	12.0	102	0.00
29	C	3-chloropropene	0.699	0.646	7.6	113	0.00
30	C	carbon disulfide	2.309	2.097	9.2	108	0.00
31		Freon 113	2.315	2.083	10.0	102	0.00
32		trans-1,2-dichloroethene	1.128	1.066	5.5	110	0.00
33	C	1,1-dichloroethane	1.587	1.434	9.6	99	0.00
34	C	MTBE	2.386	2.259	5.3	111	0.00
35	C	vinyl acetate	1.375	0.787	42.8#	72	0.00
36	C	2-butanone	1.247	1.145	8.2	107	0.00
37		cis-1,2-dichloroethene	1.219	1.110	8.9	99	0.00
38		Ethyl Acetate	0.233	0.223	4.3	111	0.00
39	C	chloroform	2.253	1.965	12.8	97	0.00
40		Tetrahydrofuran	0.644	0.610	5.3	120	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	1.804	1.511	16.2	92	0.00
42	C	1,2-dichloroethane	1.340	1.188	11.3	97	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00
44	C	hexane	0.266	0.260	2.3	123	0.00
45		diisopropyl ether	0.210	0.170	19.0	92	0.00
46		tert-butyl ethyl ether	0.613	0.495	19.2	92	0.00
47	s	1,2-dichloroethane-D4	0.276	0.259	6.2	104	0.00
48	C	1,1,1-trichloroethane	0.615	0.518	15.8	98	0.00
49		1,1-dichloropropene	0.373	0.320	14.2	96	0.00
50	C	benzene	0.729	0.606	16.9	94	0.00
52	C	carbon tetrachloride	0.675	0.586	13.2	102	0.00
53		cyclohexane	0.267	0.237	11.2	111	0.00
54		tert-amyl methyl ether	0.661	0.550	16.8	95	0.00
55		dibromomethane	0.347	0.283	18.4	92	0.00
56	C	1,2-dichloropropane	0.229	0.194	15.3	98	0.00
57		bromodichloromethane	0.550	0.503	8.5	110	0.00
58	C	1,4-dioxane	0.162	0.147	9.3	110	0.00
59	C	trichloroethene	0.435	0.366	15.9	98	0.00
60	C	2,2,4-trimethylpentane	0.822	0.729	11.3	110	0.00
61		methyl methacrylate	0.223	0.175	21.5	92	0.00
62		heptane	0.252	0.225	10.7	112	0.00
63	C	cis-1,3-dichloropropene	0.392	0.373	4.8	106	0.00
64	C	4-methyl-2-pentanone	0.366	0.335	8.5	108	0.00
65		trans-1,3-dichloropropene	0.311	0.334	-7.4	117	0.00
66	C	1,1,2-trichloroethane	0.360	0.307	14.7	97	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	103	0.00
68	C	toluene	6.923	6.238	9.9	96	0.00
69	s	toluene-D8	6.313	6.434	-1.9	104	0.00
71		1,3-dichloropropane	2.996	2.506	16.4	89	0.00
72		2-hexanone	2.486	2.412	3.0	109	0.00
74		dibromochloromethane	4.772	4.797	-0.5	113	0.00
75	C	1,2-dibromoethane	4.070	3.937	3.3	101	0.00
76		butyl acetate	0.818	0.706	13.7	91	0.00
77		octane	2.082	1.800	13.5	93	0.00
78	C	tetrachloroethene	4.343	4.011	7.6	100	0.00
79		1,1,1,2-tetrachloroethane	3.570	3.033	15.0	90	0.00
80	C	chlorobenzene	5.831	5.304	9.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	8.851	8.004	9.6	94	0.00
83	C	m+p-xylene	6.723	6.120	9.0	97	0.00
84	C	bromoform	4.794	4.751	0.9	113	0.00
85	C	styrene	5.282	4.944	6.4	97	0.00
86	C	1,1,2,2-tetrachloroethane	4.893	4.393	10.2	95	0.00
87	C	o-xylene	6.795	6.097	10.3	95	0.00
88		1,2,3-trichloropropane	3.422	2.939	14.1	93	0.00
89		nonane	2.774	2.352	15.2	94	0.00
90	s	bromofluorobenzene	3.545	3.549	-0.1	105	0.00
91	C	isopropylbenzene	9.569	8.483	11.3	92	0.00
92		bromobenzene	4.326	3.619	16.3	91	0.00
93		2-chlorotoluene	2.813	2.419	14.0	93	0.00
94		n-propylbenzene	2.855	2.504	12.3	93	0.00
95		4-chlorotoluene	2.624	2.265	13.7	91	0.00
96		4-ethyl toluene	8.937	8.584	3.9	107	0.00
97		1,3,5-trimethylbenzene	7.528	7.305	3.0	101	0.00
98		tert-butylbenzene	9.051	8.157	9.9	92	0.00
99		1,2,4-trimethylbenzene	8.044	7.834	2.6	98	0.00
100		decane	3.569	2.993	16.1	91	0.00
101	C	Benzyl Chloride	5.745	4.759	17.2	84	0.00
102		1,3-dichlorobenzene	6.386	6.101	4.5	101	0.00
103	C	1,4-dichlorobenzene	6.118	5.641	7.8	95	0.00
104		sec-butylbenzene	11.521	9.788	15.0	90	0.00
106		p-isopropyltoluene	10.926	9.818	10.1	89	0.00
107		1,2-dichlorobenzene	6.036	5.601	7.2	97	0.00
108		n-butylbenzene	8.824	8.253	6.5	95	0.00
111	C	1,2-dibromo-3-chloropropane	2.395	1.999	16.5	85	0.00
112		undecane	5.430	4.664	14.1	86	0.00
114		dodecane	3.566	3.287	7.8	86	0.00
115	C	1,2,4-trichlorobenzene	5.313	5.750	-8.2	100	0.00
116		naphthalene	10.885	10.297	5.4	82	0.00
117		1,2,3-trichlorobenzene	5.196	4.974	4.3	87	0.00
119	C	hexachlorobutadiene	4.640	4.738	-2.1	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.864	49	227967	10.000	ppbV	0.00
Standard Area = 215783			Recovery = 105.65%			
43) 1,4-difluorobenzene	11.059	114	1004699	10.000	ppbV	0.00
Standard Area = 895236			Recovery = 112.23%			
67) chlorobenzene-D5	15.736	54	131995	10.000	ppbV	0.00
Standard Area = 128102			Recovery = 103.04%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	9.720	65	260442	9.409	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.09%			
69) toluene-D8	13.865	98	849293	10.192	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.92%			
90) bromofluorobenzene	17.042	95	468488	10.013	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.13%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.751	51	251620	10.550	ppbV	100
3) propylene	3.781	41	97727M6	10.563	ppbV	
4) propane	3.804	29	67207	10.013	ppbV	94
5) dichlorodifluoromethane	3.851	85	589195	9.559	ppbV	99
6) chloromethane	4.015	50	144297	8.441	ppbV	100
7) Freon-114	4.120	85	703658	9.523	ppbV	98
8) methanol	4.196	31	190432	43.586	ppbV	98
9) vinyl chloride	4.237	62	194366	8.562	ppbV	100
10) 1,3-butadiene	4.378	54	129326	8.859	ppbV	98
11) butane	4.430	43	222546	8.090	ppbV	100
13) bromomethane	4.653	94	257455	9.287	ppbV	98
14) chloroethane	4.834	64	116897	8.782	ppbV	99
15) ethanol	4.981	31	376143	42.795	ppbV	99
16) dichlorofluoromethane	4.940	67	379786	8.399	ppbV	100
17) vinyl bromide	5.204	106	210602	10.017	ppbV	98
18) acrolein	5.333	56	57053	7.696	ppbV	98
19) acetone	5.467	43	1014118	45.553	ppbV	99
20) acetonitrile	5.198	41	104542	8.774	ppbV	99
21) trichlorofluoromethane	5.660	101	611911	9.306	ppbV	100
22) isopropyl alcohol	5.759	45	563044	24.029	ppbV	100
23) acrylonitrile	5.981	53	100027	7.762	ppbV	98
24) pentane	6.052	43	211190	8.255	ppbV	99
25) ethyl ether	6.069	31	101833	8.339	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 1,1-dichloroethene	6.349	61	339664	9.675	ppbV	99
27) tertiary butyl alcohol	6.400	59	191303	6.506	ppbV	99
28) methylene chloride	6.489	49	174149	8.805	ppbV	98
29) 3-chloropropene	6.618	41	147238	9.243	ppbV	97
30) carbon disulfide	6.792	76	478089	9.082	ppbV	100
31) Freon 113	6.786	101	474807	8.998	ppbV	98
32) trans-1,2-dichloroethene	7.527	61	243004	9.453	ppbV	99
33) 1,1-dichloroethane	7.749	63	326976	9.040	ppbV	99
34) MTBE	7.808	73	514926	9.465	ppbV	100
35) vinyl acetate	7.933	43	179517	5.728	ppbV	99
36) 2-butanone	8.182	43	260927	9.178	ppbV	99
37) cis-1,2-dichloroethene	8.685	61	253070	9.105	ppbV	99
38) Ethyl Acetate	8.946	61	50931	9.578	ppbV	86
39) chloroform	9.019	83	447914	8.719	ppbV	99
40) Tetrahydrofuran	9.443	42	139012	9.468	ppbV	100
41) 2,2-dichloropropane	9.044	77	344409	8.374	ppbV	99
42) 1,2-dichloroethane	9.842	62	270848	8.870	ppbV	99
44) hexane	8.930	57	260861	9.768	ppbV	87
45) diisopropyl ether	8.921	87	170910	8.100	ppbV	96
46) tert-butyl ethyl ether	9.525	59	497724	8.082	ppbV	99
48) 1,1,1-trichloroethane	10.119	97	520575	8.422	ppbV	99
49) 1,1-dichloropropene	10.484	75	321089	8.565	ppbV	97
50) benzene	10.644	78	608750	8.316	ppbV	100
52) carbon tetrachloride	10.804	117	589045	8.692	ppbV	98
53) cyclohexane	10.946	56	237810	8.869	ppbV	100
54) tert-amyl methyl ether	11.313	73	552406	8.322	ppbV	99
55) dibromomethane	11.539	93	284462	8.164	ppbV	97
56) 1,2-dichloropropane	11.568	63	195096	8.494	ppbV	98
57) bromodichloromethane	11.794	83	505298	9.138	ppbV	100
58) 1,4-dioxane	11.831	88	147509	9.054	ppbV	100
59) trichloroethene	11.841	130	368033	8.420	ppbV	99
60) 2,2,4-trimethylpentane	11.888	57	732398	8.866	ppbV	99
61) methyl methacrylate	12.077	41	175714	7.828	ppbV	97
62) heptane	12.199	43	226120	8.920	ppbV	99
63) cis-1,3-dichloropropene	12.839	75	374885	9.522	ppbV	98
64) 4-methyl-2-pentanone	12.872	43	336835	9.154	ppbV	99
65) trans-1,3-dichloropropene	13.448	75	335857	10.749	ppbV	99
66) 1,1,2-trichloroethane	13.648	97	308178	8.510	ppbV	99
68) toluene	13.974	91	823355	9.010	ppbV	99
71) 1,3-dichloropropane	14.007	76	330752	8.365	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default-ICV-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72)	2-hexanone	14.265	43	318411	9.705	ppbV	#	91
74)	dibromochloromethane	14.432	129	633189	10.052	ppbV		99
75)	1,2-dibromoethane	14.683	107	519662	9.674	ppbV		100
76)	butyl acetate	14.925	73	93161	8.631	ppbV		99
77)	octane	15.025	85	237540	8.646	ppbV		99
78)	tetrachloroethene	15.150	166	529457	9.237	ppbV		99
79)	1,1,1,2-tetrachloroethane	15.762	131	400285	8.495	ppbV		100
80)	chlorobenzene	15.771	112	700096	9.096	ppbV		100
81)	ethylbenzene	16.111	91	1056445	9.043	ppbV		99
83)	m+p-xylene	16.259	91	1615600	18.206	ppbV		99
84)	bromoform	16.328	173	627119	9.911	ppbV		100
85)	styrene	16.572	104	652588	9.360	ppbV		100
86)	1,1,2,2-tetrachloroethane	16.659	83	579831	8.979	ppbV		100
87)	o-xylene	16.659	91	804710	8.972	ppbV		100
88)	1,2,3-trichloropropane	16.764	75	387885	8.588	ppbV		99
89)	nonane	16.851	43	310425	8.479	ppbV		99
91)	isopropylbenzene	17.155	105	1119705	8.865	ppbV		99
92)	bromobenzene	17.225	77	477722	8.367	ppbV		96
93)	2-chlorotoluene	17.538	126	319313	8.600	ppbV		91
94)	n-propylbenzene	17.564	120	330547	8.770	ppbV		98
95)	4-chlorotoluene	17.599	126	299013	8.632	ppbV		99
96)	4-ethyl toluene	17.686	105	1133091	9.605	ppbV		100
97)	1,3,5-trimethylbenzene	17.747	105	964235	9.704	ppbV		99
98)	tert-butylbenzene	18.072	119	1076689	9.012	ppbV		100
99)	1,2,4-trimethylbenzene	18.072	105	1034057	9.739	ppbV		98
100)	decane	18.152	57	395115	8.387	ppbV		99
101)	Benzyl Chloride	18.192	91	628123	8.283	ppbV		98
102)	1,3-dichlorobenzene	18.200	146	805358	9.555	ppbV		99
103)	1,4-dichlorobenzene	18.256	146	744531	9.220	ppbV		99
104)	sec-butylbenzene	18.288	105	1292021	8.496	ppbV		100
106)	p-isopropyltoluene	18.416	119	1295969	8.986	ppbV		99
107)	1,2-dichlorobenzene	18.527	146	739354	9.279	ppbV		100
108)	n-butylbenzene	18.751	91	1089326	9.352	ppbV		97
111)	1,2-dibromo-3-chloropr...	18.887	75	263799	8.346	ppbV		98
112)	undecane	19.150	57	615668	8.590	ppbV		99
114)	dodecane	20.021	57	433918	9.219	ppbV		99
115)	1,2,4-trichlorobenzene	19.963	180	758916	10.822	ppbV		99
116)	naphthalene	20.074	128	1359140	9.460	ppbV		100
117)	1,2,3-trichlorobenzene	20.313	180	656556	9.574	ppbV		99
119)	hexachlorobutadiene	20.378	225	625343	10.211	ppbV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\11\1121T_I\R236988.D
Sub List : Default-ICV-AP2 - All compounds listed

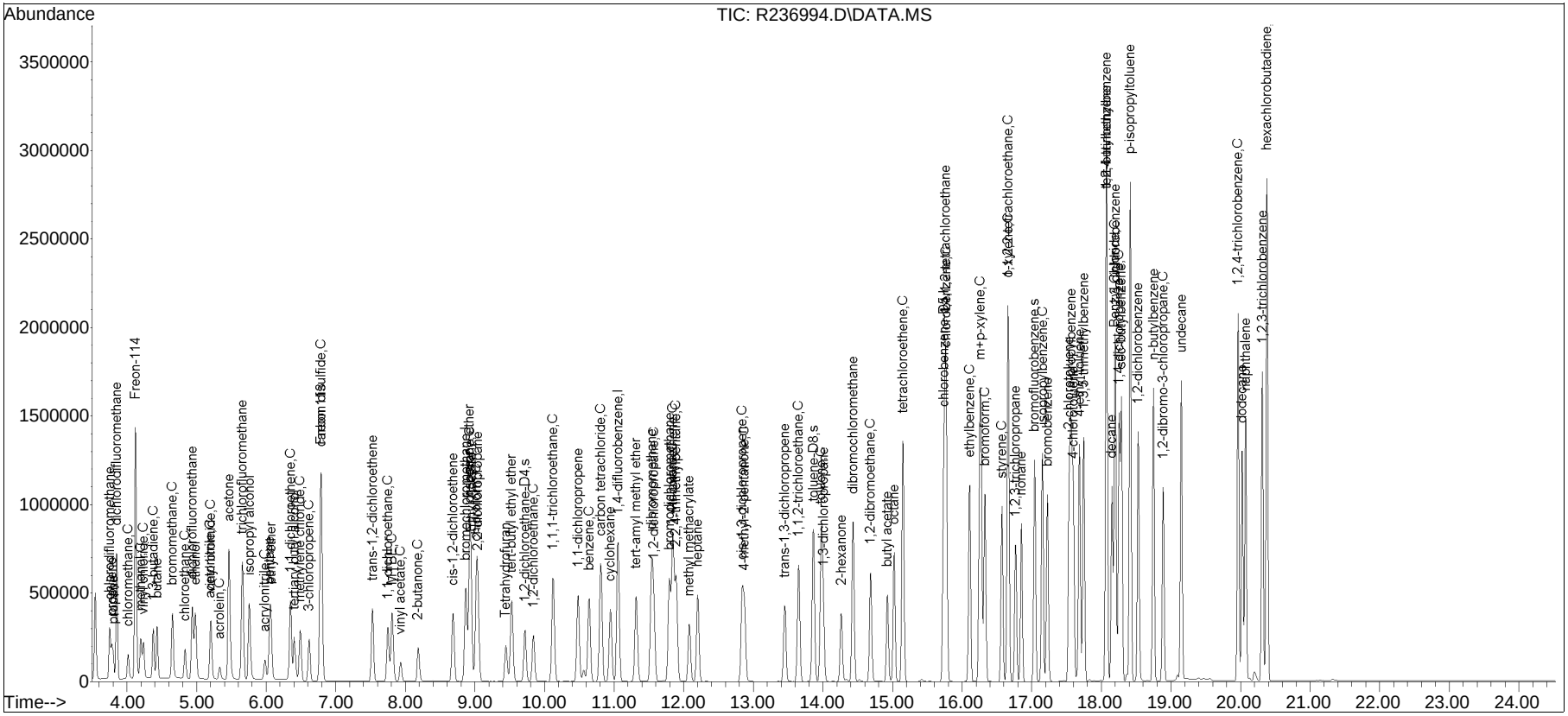
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sub List : Default-ICV-AP2 - All compounds listedI\R236988.D

Data Path : X:\Airlab\Data\Airlab23\2025\11\1121T_I\
Data File : R236994.D
Acq On : 22 Nov 2025 05:16 am
Operator : AIRLAB23:BJB
Sample : CTO15-LLSTD010
Misc : WG2145605
ALS Vial : 2 Sample Multiplier: 1

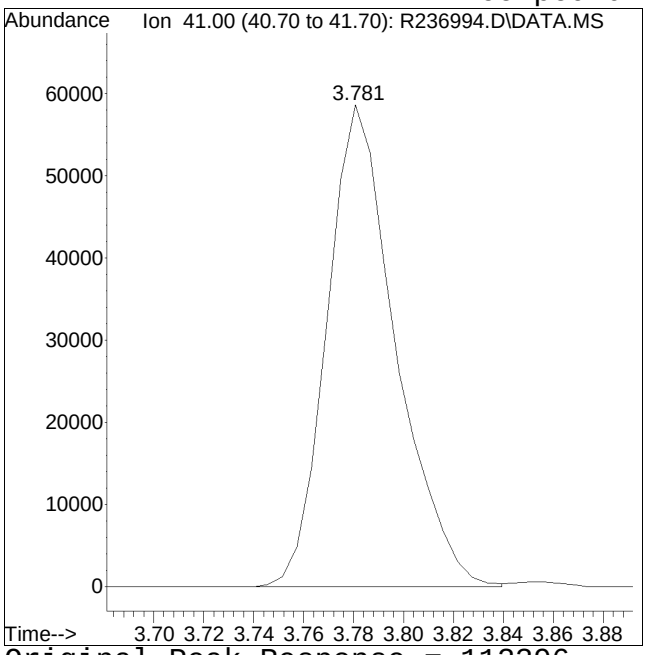
Quant Time: Nov 23 15:34:08 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\11\1121T_I\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration



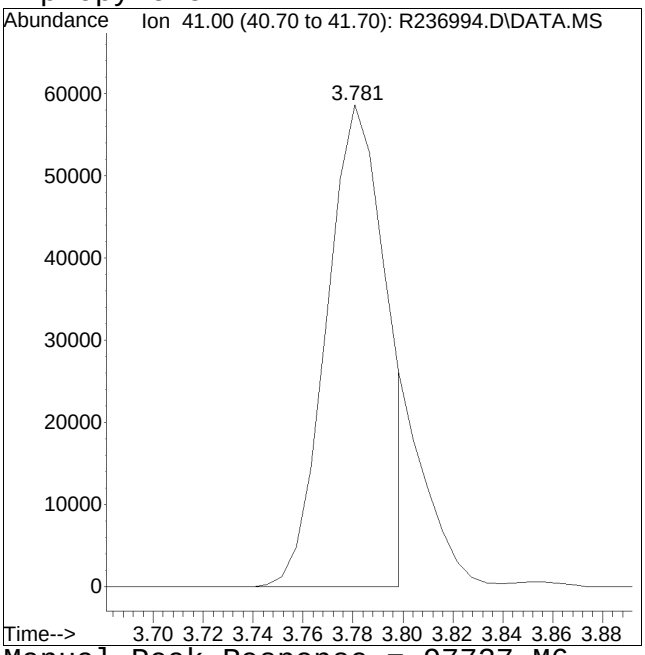
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R236994.D Operator : AIRLAB23:BJB
Date Inj'd : 11/22/2025 5:16 am Instrument : Airlab 23
Sample : CTO15-LLSTD010 Quant Date : 11/23/2025 3:34 pm

Compound #3: propylene



Original Peak Response = 112396



Manual Peak Response = 97727 M6

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

Response Factor Report

Method Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Method File : TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	1.086	1.069	1.060	0.980	0.990	0.997	0.881	0.899	0.995	7.64
3)		propylene		0.789	0.751	0.655	0.634	0.696	0.676	0.656	0.694	8.13
4)		propane		0.969	0.930	0.851	0.876	0.902	0.878	0.848	0.893	4.92
5)		dichlorodifluo...	1.347	1.305	1.275	1.249	1.265	1.245	1.193	1.136	1.252	5.19
6)	C	chloromethane	0.687	0.698	0.687	0.655	0.682	0.677	0.665	0.645	0.675	2.67
7)		Freon-114	1.455	1.459	1.398	1.372	1.400	1.394	1.342	1.264	1.385	4.53
8)	C	methanol			0.507	0.393	0.396	0.419	0.406	0.385	0.418	10.84
9)	C	vinyl chloride	0.779	0.795	0.778	0.768	0.797	0.808	0.796	0.781	0.788	1.68
10)	C	1,3-butadiene	0.700	0.662	0.629	0.602	0.618	0.625	0.607	0.578	0.628	6.05
11)		butane	1.318	1.256	1.213	1.112	1.153	1.204	1.192	1.175	1.203	5.25
12)	C	acetaldehyde		0.469	0.455	0.429	0.433	0.435	0.404	0.367	0.427	7.90
13)	C	bromomethane	0.598	0.554	0.528	0.508	0.522	0.526	0.512	0.492	0.530	6.19
14)	C	chloroethane	0.396	0.384	0.374	0.359	0.374	0.384	0.380	0.378	0.379	2.78
15)		ethanol			0.828	0.711	0.870	0.818	0.873	0.838	0.823	7.20
16)		dichlorofluoro...	1.499	1.324	1.168	1.110	0.951	1.045	0.897	0.773	1.096	21.46
17)	C	vinyl bromide	0.502	0.495	0.471	0.458	0.480	0.493	0.487	0.480	0.483	2.96
18)	C	acrolein		0.383	0.344	0.344	0.365	0.382	0.380	0.381	0.368	4.77
19)		acetone	1.034	1.046	1.026	0.946	0.978	0.990	0.966	0.941	0.991	4.07
20)	C	acetonitrile	0.647	0.727	0.664	0.666	0.803	0.789	0.801	0.802	0.737	9.44
21)		trichlorofluor...	1.152	1.127	1.100	1.069	1.099	1.091	1.059	1.045	1.093	3.24
22)		isopropyl alcohol		1.405	1.391	1.157	1.209	1.245	1.223	1.204	1.262	7.65
23)	C	acrylonitrile	0.508	0.543	0.553	0.560	0.610	0.654	0.748	0.748	0.615	15.11
24)		pentane	1.574	1.798	1.774	1.675	1.644	1.803	1.778	1.802	1.731	5.07
25)		ethyl ether	1.759	1.869	1.747	1.809	1.982	2.152	2.092	1.974	1.923	7.88
26)	C	1,1-dichloroet...	1.041	1.045	1.044	1.015	1.050	1.066	1.055	1.057	1.047	1.45
27)		tertiary butyl...		1.491	1.416	1.396	1.458	1.589	1.596	1.595	1.506	5.79
28)	C	methylene chlo...		0.873	0.838	0.817	0.843	0.847	0.816	0.790	0.832	3.23
29)	C	3-chloropropene	1.095	1.063	1.052	0.987	1.032	1.065	1.053	1.050	1.050	2.95
30)	C	carbon disulfide	1.540	1.606	1.582	1.529	1.630	1.680	1.665	1.693	1.616	3.86
31)		Freon 113	1.071	1.049	1.010	1.003	1.030	1.049	1.052	1.070	1.042	2.44

Response Factor Report

Method Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Method File : TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dich...	0.921	0.956	0.943	0.904	0.957	1.000	0.991	0.999	0.959	3.75
33)	C	1,1-dichloroet...	1.257	1.243	1.224	1.191	1.240	1.265	1.248	1.249	1.240	1.85
34)	C	MTBE	1.606	1.571	1.548	1.503	1.567	1.606	1.575	1.564	1.568	2.09
35)	C	vinyl acetate	1.442	1.380	1.244	1.204	1.401	1.656	1.806	1.873	1.501	16.66
36)	C	2-butanone		1.555	1.465	1.553	1.651	1.696	1.680	1.663	1.609	5.34
37)		cis-1,2-dichlo...	0.925	0.960	0.944	0.937	0.977	1.003	0.991	0.992	0.966	2.97
38)		Ethyl Acetate		0.230	0.218	0.221	0.240	0.252	0.258	0.271	0.241	8.23
39)	C	chloroform	1.194	1.206	1.184	1.161	1.183	1.169	1.123	1.081	1.162	3.57
40)		Tetrahydrofuran		0.808	0.820	0.792	0.831	0.854	0.847	0.851	0.829	2.82
41)		2,2-dichloropr...	0.953	0.934	0.933	0.907	0.931	0.958	0.930	0.911	0.932	1.89
42)	C	1,2-dichloroet...	0.876	0.883	0.854	0.840	0.867	0.868	0.850	0.844	0.860	1.80
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.657	0.652	0.645	0.585	0.614	0.631	0.613	0.616	0.626	3.87
45)		diisopropyl ether	0.288	0.281	0.269	0.262	0.275	0.288	0.281	0.289	0.279	3.53
46)		tert-butyl eth...	1.135	1.157	1.157	1.098	1.153	1.215	1.168	1.182	1.158	2.94
47)	s	1,2-dichloroet...	0.315	0.322	0.319	0.317	0.326	0.329	0.323	0.329	0.322	1.65
48)	C	1,1,1-trichlor...	0.477	0.557	0.549	0.521	0.495	0.543	0.508	0.503	0.519	5.49
49)		1,1-dichloropr...	0.450	0.468	0.452	0.427	0.450	0.463	0.445	0.441	0.449	2.82
50)	C	benzene	1.060	1.029	1.000	0.975	1.018	1.028	0.978	0.971	1.007	3.14
51)		thiophene	0.839	0.839	0.826	0.912	0.963	0.865	0.830	0.840	0.864	5.63
52)	C	carbon tetrach...	0.417	0.414	0.415	0.408	0.432	0.436	0.412	0.404	0.417	2.69
53)		cyclohexane	0.668	0.664	0.642	0.622	0.651	0.674	0.654	0.653	0.653	2.49
54)		tert-amyl meth...	0.861	0.875	0.871	0.832	0.876	0.917	0.891	0.904	0.878	2.98
55)		dibromomethane	0.317	0.318	0.308	0.293	0.307	0.322	0.314	0.322	0.313	3.15
56)	C	1,2-dichloropr...	0.399	0.399	0.385	0.381	0.398	0.408	0.402	0.422	0.399	3.23
57)		bromodichlorom...	0.536	0.553	0.538	0.537	0.566	0.579	0.548	0.548	0.551	2.80
58)	C	1,4-dioxane	0.215	0.221	0.210	0.215	0.220	0.238	0.235	0.245	0.225	5.67
59)	C	trichloroethene	0.373	0.383	0.373	0.362	0.375	0.388	0.379	0.393	0.378	2.56
60)	C	2,2,4-trimethy...	1.979	2.000	1.976	1.907	1.942	2.074	1.947	1.948	1.972	2.54
61)		methyl methacr...		0.492	0.491	0.496	0.527	0.555	0.544	0.559	0.523	5.78
62)		heptane	0.738	0.757	0.722	0.697	0.727	0.741	0.717	0.726	0.728	2.45

Response Factor Report

Method Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Method File : TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichlo...	0.444	0.462	0.459	0.474	0.496	0.510	0.498	0.499	0.480	4.94
64)	C	4-methyl-2-pen...		0.866	0.859	0.848	0.892	0.922	0.895	0.904	0.884	3.03
65)		trans-1,3-dich...	0.312	0.347	0.338	0.345	0.374	0.383	0.377	0.377	0.357	7.03
66)	C	1,1,2-trichlor...	0.345	0.354	0.348	0.342	0.362	0.366	0.359	0.373	0.356	3.03
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	5.084	5.388	5.073	4.731	5.293	5.360	4.962	5.169	5.133	4.29
69)	s	toluene-D8	3.791	4.087	4.063	3.838	4.171	4.236	4.069	4.253	4.064	4.19
70)		2-methylthiophene	4.406	4.721	4.541	4.857	5.448	4.854	4.517	4.812	4.769	6.76
71)		1,3-dichloropr...	2.355	2.515	2.444	2.196	2.498	2.523	2.318	2.409	2.407	4.70
72)		2-hexanone	3.132	3.548	3.383	3.351	3.730	3.888	3.655	3.894	3.573	7.59
73)		3-methylthiophene	4.522	4.724	4.577	4.929	5.567	4.963	4.655	5.018	4.869	6.92
74)		dibromochlorom...	1.954	2.049	2.038	1.962	2.235	2.317	2.148	2.231	2.117	6.42
75)	C	1,2-dibromoethane	2.106	2.176	2.108	1.993	2.243	2.277	2.116	2.268	2.161	4.56
76)		butyl acetate		0.608	0.587	0.540	0.621	0.655	0.611	0.651	0.611	6.43
77)		octane	1.777	1.945	1.879	1.721	1.918	1.976	1.850	1.947	1.876	4.77
78)	C	tetrachloroethene	1.894	1.813	1.818	1.692	1.872	1.870	1.787	1.864	1.826	3.58
79)		1,1,1,2-tetrac...	1.557	1.665	1.621	1.478	1.692	1.797	1.682	1.746	1.655	6.16
80)	C	chlorobenzene	3.599	3.750	3.738	3.409	3.851	3.907	3.625	3.905	3.723	4.63
81)	C	ethylbenzene	6.465	6.770	6.522	6.162	6.993	7.011	6.551	6.732	6.651	4.28
82)		2-ethylthiophene	5.333	5.534	5.528	5.908	6.614	5.817	5.497	5.815	5.756	6.93
83)	C	m+p-xylene	5.074	5.348	5.290	4.935	5.576	5.564	5.167	5.293	5.281	4.22
84)	C	bromoform	1.403	1.526	1.461	1.492	1.744	1.844	1.783	1.918	1.646	11.99
85)	C	styrene	3.414	3.722	3.732	3.506	3.909	3.962	3.745	4.015	3.751	5.65
86)	C	1,1,2,2-tetrac...	3.518	3.714	3.659	3.472	3.963	4.018	3.759	3.881	3.748	5.29
87)	C	o-xylene	5.134	5.456	5.454	4.989	5.676	5.670	5.205	5.173	5.345	4.80
88)		1,2,3-trichlor...	2.796	3.018	2.940	2.661	3.015	3.060	2.863	2.983	2.917	4.64
89)		nonane	4.846	5.102	4.906	4.426	4.966	5.065	4.722	4.972	4.875	4.47
90)	s	bromofluoroben...	2.569	2.505	2.557	2.762	2.722	2.672	2.876	2.883	2.693	5.34
91)	C	isopropylbenzene	6.375	6.799	6.701	5.905	6.696	6.846	6.442	6.687	6.556	4.72
92)		bromobenzene	3.790	4.082	3.959	3.557	3.960	4.057	3.782	3.996	3.898	4.53
93)		2-chlorotoluene	1.659	1.788	1.737	1.603	1.817	1.840	1.789	1.946	1.772	6.04

Response Factor Report

Method Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Method File : TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025
Response Via : Initial Calibration

Calibration Files
0.2 =r1557450.D 0.5 =r1557451.D 1.0 =r1557452.D 5.0 =r1557453.D 10 =r1557454.D 20 =r1557455.D
50 =r1557456.D 100 =r1557457.D

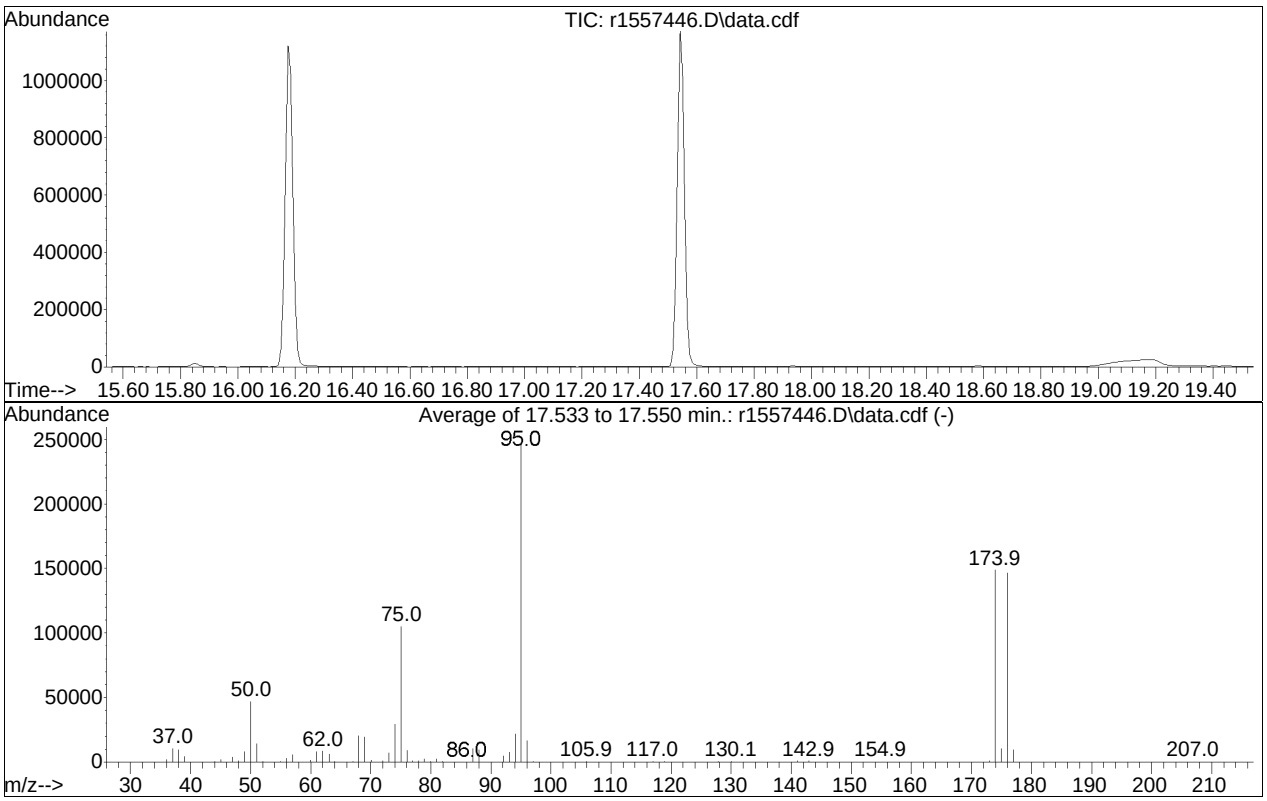
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	1.924	2.086	2.047	1.803	2.066	2.125	2.066	2.212	2.041	6.13
95)		4-chlorotoluene	1.674	1.823	1.779	1.599	1.782	1.896	1.834	1.947	1.792	6.30
96)		4-ethyl toluene	6.857	7.469	7.319	6.065	6.891	6.762	6.382	6.775	6.815	6.66
97)		1,3,5-trimethy...	5.790	6.134	5.902	5.241	5.774	5.713	5.414	5.696	5.708	4.84
98)		tert-butylbenzene	5.848	6.198	6.227	5.500	6.028	6.340	5.901	5.734	5.972	4.71
99)		1,2,4-trimethy...	6.240	6.694	6.552	5.389	6.054	6.094	5.896	5.770	6.086	6.89
100)		decane	5.556	6.074	5.873	5.409	6.135	6.218	5.942	6.040	5.906	4.82
101)	C	Benzyl Chloride	3.514	3.784	4.140	4.051	4.883	5.153	5.201	5.535	4.532	16.56
102)		1,3-dichlorobe...	3.143	3.484	3.460	3.238	3.755	3.815	3.683	3.933	3.564	7.87
103)	C	1,4-dichlorobe...	3.260	3.559	3.503	3.172	3.596	3.641	3.615	3.918	3.533	6.57
104)		sec-butylbenzene	7.979	8.743	8.338	7.567	8.458	8.717	8.213	8.208	8.278	4.68
105)		1,2,3-trimethy...	6.553	6.526	6.426	5.843	6.367	6.492	6.210	5.808	6.278	4.77
106)		p-isopropyltol...	7.915	8.084	8.077	7.269	7.802	7.862	7.320	6.752	7.635	6.20
107)		1,2-dichlorobe...	3.421	3.683	3.650	3.465	3.931	3.828	3.490	3.363	3.604	5.64
108)		n-butylbenzene	6.420	6.993	6.980	6.459	7.245	7.350	7.057	7.137	6.955	4.91
109)		indan	4.923	5.337	5.270	4.539	5.178	5.246	4.731	4.500	4.965	6.85
110)		indene	3.540	3.885	3.892	3.703	4.177	4.249	4.108	4.317	3.984	6.89
111)	C	1,2-dibromo-3-...	1.518	1.708	1.721	1.636	1.874	1.854	1.831	1.961	1.763	8.18
112)		undecane	6.177	6.983	6.846	6.377	7.209	6.870	6.870	6.762	6.762	4.90
113)		1,2,4,5-tetram...	2.955	3.469	3.622	3.021	3.501	3.666	3.646	3.839	3.465	9.10
114)		dodecane	7.182	7.142	7.144	6.660	7.849	6.499	7.112	7.102	7.086	5.66
115)	C	1,2,4-trichlor...	1.500	2.096	2.332	2.274	2.826	2.531	2.788	3.121	2.433	20.74
116)		naphthalene	1.147	0.897	0.828	0.832	0.899	0.777	0.832	0.862	0.884	12.81
117)		1,2,3-trichlor...	1.483	2.104	2.363	2.167	2.723	2.329	2.718	3.115	2.375	20.76
118)		benzothiophene		0.619	0.711	0.827	1.035	0.779	0.873	0.904	0.821	16.47
119)	C	hexachlorobuta...	1.518	2.012	2.198	1.998	2.368	2.009	2.242	2.376	2.090	13.32
120)		2-methylnaphth...			1.221	1.606	2.381	1.311	1.807	2.112	1.740	26.03
121)		1-methylnaphth...			1.190	1.472	2.164	1.176	1.594	1.918	1.586	24.93

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557446.D
Acq On : 30 Oct 2025 11:47 PM
Operator : AIRLAB15:RAY
Sample : WG2136263-1,3,250,250
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025



Spectrum Information: Average of 17.533 to 17.550 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.1	47185	PASS
75	95	30	66	42.5	105102	PASS
95	95	100	100	100.0	247447	PASS
96	95	5	9	6.7	16490	PASS
173	174	0.00	2	0.7	1004	PASS
174	95	50	120	60.1	148682	PASS
175	174	4	9	7.3	10844	PASS
176	174	93	101	98.6	146571	PASS
177	176	5	9	6.4	9388	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557450.D
Acq On : 31 Oct 2025 2:09 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:04:54 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.267	49	379176	10.000	ppbV	-0.03
Standard Area = 378452			Recovery = 100.19%			
43) 1,4-difluorobenzene	11.523	114	794664	10.000	ppbV	-0.01
Standard Area = 780590			Recovery = 101.80%			
67) chlorobenzene-D5	16.192	54	182960	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 104.82%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.142	65	249979	9.647	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.47%			
69) toluene-D8	14.350	98	693534	9.088	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.88%			
90) bromofluorobenzene	17.558	95	470100	9.439	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.39%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.952	51	8234	0.219	ppbV	99
3) propylene	3.982	41	7704M6	0.320	ppbV	
4) propane	4.006	29	7970	0.240	ppbV	97
5) dichlorodifluoromethane	4.054	85	10214	0.213	ppbV	99
6) chloromethane	4.228	50	5211	0.201	ppbV	99
7) Freon-114	4.342	85	11034	0.208	ppbV	95
8) methanol	4.420	31	22795	1.517	ppbV #	10
9) vinyl chloride	4.462	62	5904	0.195	ppbV	94
10) 1,3-butadiene	4.612	54	5309	0.227	ppbV #	72
11) butane	4.672	43	9993	0.229	ppbV	94
12) acetaldehyde	4.366	29	18355	1.118	ppbV #	55
13) bromomethane	4.906	94	4533	0.229	ppbV	97
14) chloroethane	5.098	64	3001	0.211	ppbV #	88
15) ethanol	5.260	31	28906	0.876	ppbV	94
16) dichlorofluoromethane	5.212	67	11366	0.315	ppbV	100
17) vinyl bromide	5.487	106	3808	0.209	ppbV	96
18) acrolein	5.633	56	3129	0.226	ppbV #	32
19) acetone	5.787	43	39205	1.057	ppbV #	96
20) acetonitrile	5.490	41	4910	0.161	ppbV	98
21) trichlorofluoromethane	5.957	101	8740	0.210	ppbV	98
22) isopropyl alcohol	6.080	45	26492	0.578	ppbV	98
23) acrylonitrile	6.307	53	3851	0.167	ppbV #	93
24) pentane	6.363	43	11933M4	0.191	ppbV	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557450.D
Acq On : 31 Oct 2025 2:09 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:04:54 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.413	31	13343	0.178	ppbV	#	92
26) 1,1-dichloroethene	6.678	61	7898	0.198	ppbV		97
27) tertiary butyl alcohol	6.768	59	11186	0.202	ppbV	#	94
28) methylene chloride	6.816	49	7113	0.223	ppbV		96
29) 3-chloropropene	6.954	41	8301	0.212	ppbV		97
30) carbon disulfide	7.128	76	11676	0.189	ppbV	#	43
31) Freon 113	7.122	101	8124	0.208	ppbV		97
32) trans-1,2-dichloroethene	7.892	61	6986	0.193	ppbV		97
33) 1,1-dichloroethane	8.108	63	9531	0.203	ppbV		99
34) MTBE	8.208	73	12178	0.205	ppbV		99
35) vinyl acetate	8.317	43	10935M4	0.206	ppbV		
36) 2-butanone	8.600	43	11932	0.191	ppbV		98
37) cis-1,2-dichloroethene	9.075	61	7018	0.190	ppbV		99
38) Ethyl Acetate	9.383	61	1336	0.147	ppbV	#	66
39) chloroform	9.425	83	9053	0.202	ppbV		96
40) Tetrahydrofuran	9.908	42	7035	0.223	ppbV		96
41) 2,2-dichloropropane	9.450	77	7224	0.205	ppbV		100
42) 1,2-dichloroethane	10.275	62	6645	0.202	ppbV		97
44) hexane	9.333	57	10444	0.214	ppbV	#	40
45) diisopropyl ether	9.350	87	4573	0.209	ppbV		90
46) tert-butyl ethyl ether	9.975	59	18041	0.197	ppbV		98
48) 1,1,1-trichloroethane	10.558	97	7574	0.193	ppbV		94
49) 1,1-dichloropropene	10.930	75	7156	0.200	ppbV		95
50) benzene	11.097	78	16839	0.208	ppbV		96
51) thiophene	11.243	84	13335	0.174	ppbV		99
52) carbon tetrachloride	11.270	117	6630	0.193	ppbV		96
53) cyclohexane	11.417	56	10611	0.205	ppbV		95
54) tert-amyl methyl ether	11.810	73	13692	0.197	ppbV		97
55) dibromomethane	12.010	93	5042	0.207	ppbV		98
56) 1,2-dichloropropane	12.043	63	6343	0.201	ppbV		97
57) bromodichloromethane	12.270	83	8526	0.189	ppbV		94
58) 1,4-dioxane	12.343	88	3419	0.196	ppbV		94
59) trichloroethene	12.323	130	5932	0.199	ppbV		95
60) 2,2,4-trimethylpentane	12.377	57	31451	0.204	ppbV		99
61) methyl methacrylate	12.583	41	7586	0.181	ppbV		97
62) heptane	12.690	43	11728	0.203	ppbV		97
63) cis-1,3-dichloropropene	13.350	75	7051	0.179	ppbV		97
64) 4-methyl-2-pentanone	13.408	43	13127	0.185	ppbV	#	96
65) trans-1,3-dichloropropene	13.967	75	4953	0.167	ppbV		94
66) 1,1,2-trichloroethane	14.158	97	5488	0.191	ppbV		86

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557450.D
Acq On : 31 Oct 2025 2:09 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:04:54 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.458	91	18605	0.192	ppbV		97
70) 2-methylthiophene	14.525	97	16122	0.162	ppbV		97
71) 1,3-dichloropropane	14.492	76	8616	0.189	ppbV		99
72) 2-hexanone	14.758	43	11462	0.168	ppbV		96
73) 3-methylthiophene	14.708	97	16548	0.162	ppbV		98
74) dibromochloromethane	14.892	129	7149	0.175	ppbV		95
75) 1,2-dibromoethane	15.142	107	7707	0.188	ppbV		100
76) butyl acetate	15.383	73	2361	0.208	ppbV		64
77) octane	15.458	85	6501	0.185	ppbV		91
78) tetrachloroethene	15.583	166	6929	0.202	ppbV		88
79) 1,1,1,2-tetrachloroethane	16.217	131	5699	0.184	ppbV		91
80) chlorobenzene	16.233	112	13171	0.187	ppbV		92
81) ethylbenzene	16.583	91	23655	0.185	ppbV		98
82) 2-ethylthiophene	16.617	97	19515	0.161	ppbV		98
83) m+p-xylene	16.750	91	37136	0.364	ppbV		96
84) bromoform	16.817	173	5135	0.161	ppbV		96
85) styrene	17.067	104	12494	0.175	ppbV		99
86) 1,1,2,2-tetrachloroethane	17.167	83	12872	0.178	ppbV		98
87) o-xylene	17.158	91	18786	0.181	ppbV		98
88) 1,2,3-trichloropropane	17.275	75	10231	0.185	ppbV		97
89) nonane	17.350	43	17732	0.195	ppbV		99
91) isopropylbenzene	17.675	105	23326	0.190	ppbV		99
92) bromobenzene	17.750	77	13867	0.191	ppbV		100
93) 2-chlorotoluene	18.075	126	6069	0.183	ppbV		88
94) n-propylbenzene	18.108	120	7042	0.186	ppbV		83
95) 4-chlorotoluene	18.142	126	6124	0.188	ppbV		92
96) 4-ethyl toluene	18.233	105	25092	0.199	ppbV		96
97) 1,3,5-trimethylbenzene	18.292	105	21187	0.201	ppbV		97
98) tert-butylbenzene	18.633	119	21400	0.194	ppbV		97
99) 1,2,4-trimethylbenzene	18.633	105	22834	0.206	ppbV		89
100) decane	18.708	57	20332	0.181	ppbV	#	99
101) Benzyl Chloride	18.758	91	12857	0.144	ppbV		98
102) 1,3-dichlorobenzene	18.767	146	11501	0.167	ppbV		94
103) 1,4-dichlorobenzene	18.825	146	11928	0.181	ppbV		99
104) sec-butylbenzene	18.858	105	29196	0.189	ppbV		99
105) 1,2,3-trimethylbenzene	18.983	105	23978	0.206	ppbV		93
106) p-isopropyltoluene	18.983	119	28961	0.203	ppbV		95
107) 1,2-dichlorobenzene	19.108	146	12519	0.174	ppbV		96
108) n-butylbenzene	19.333	91	23493	0.177	ppbV		100
109) indan	19.158	117	18014	0.190	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557450.D
Acq On : 31 Oct 2025 2:09 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:04:54 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

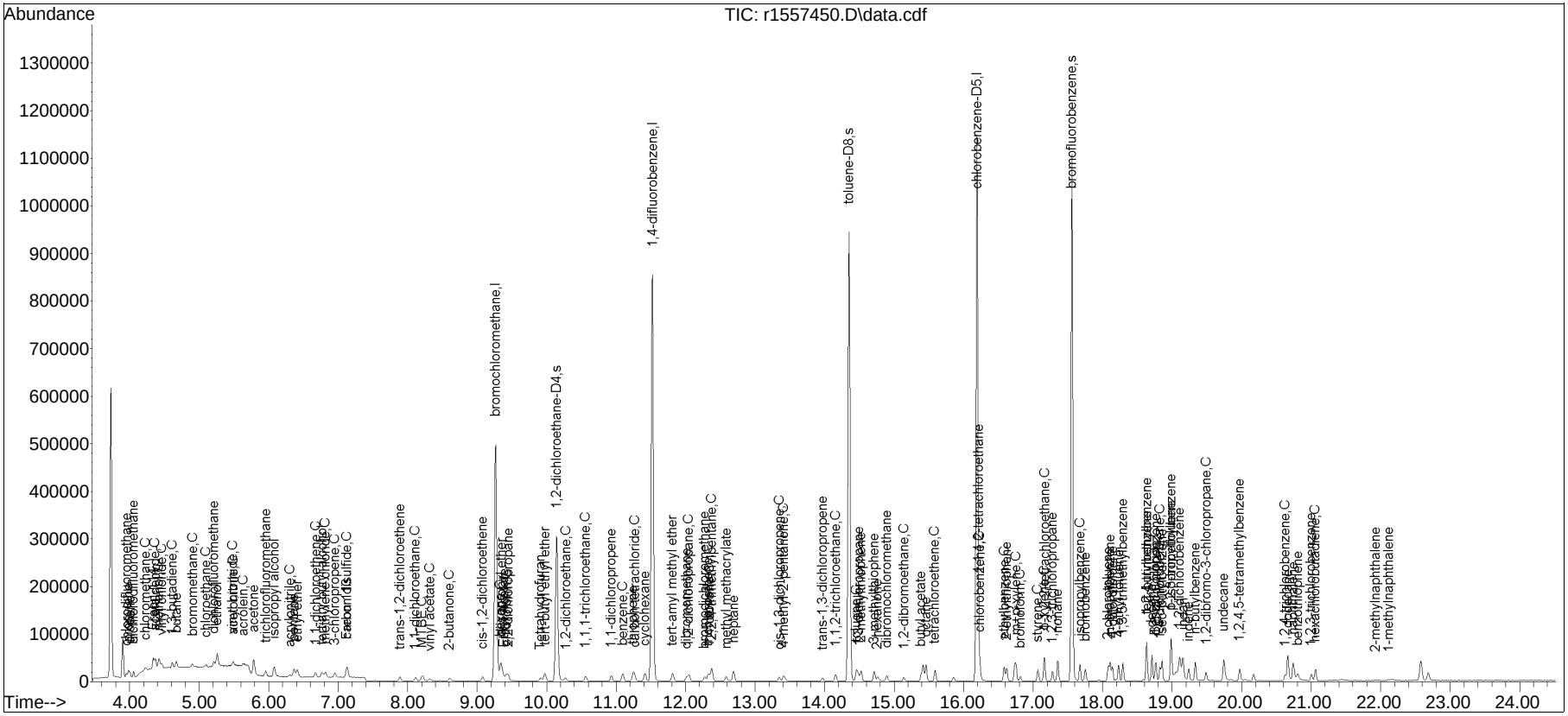
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.233	115	12955	0.170	ppbV		98
111) 1,2-dibromo-3-chloropr...	19.492	75	5555	0.162	ppbV	#	81
112) undecane	19.742	57	22602	0.171	ppbV		98
113) 1,2,4,5-tetramethylben...	19.967	119	10812	0.169	ppbV		98
114) dodecane	20.667	57	26282	0.183	ppbV		92
115) 1,2,4-trichlorobenzene	20.625	180	5489	0.106	ppbV		97
116) naphthalene	20.742	128	41958	0.255	ppbV		99
117) 1,2,3-trichlorobenzene	21.000	180	5425	0.109	ppbV		93
118) benzothiophene	20.808	134	15750	0.083	ppbV	#	92
119) hexachlorobutadiene	21.058	225	5554	0.128	ppbV		95
120) 2-methylnaphthalene	21.925	142	1316	0.030	ppbV	#	88
121) 1-methylnaphthalene	22.117	142	1558	0.039	ppbV	#	83

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557450.D
Acq On : 31 Oct 2025 2:09 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.2
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

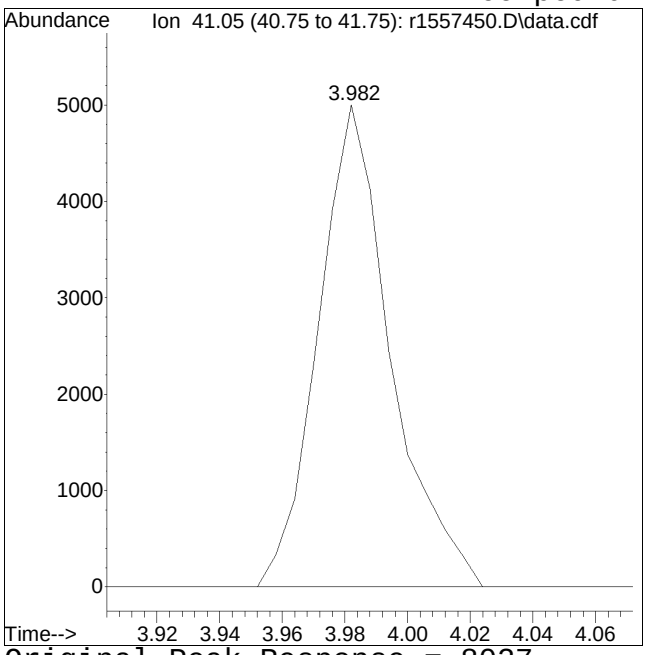
Quant Time: Oct 31 16:04:54 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration



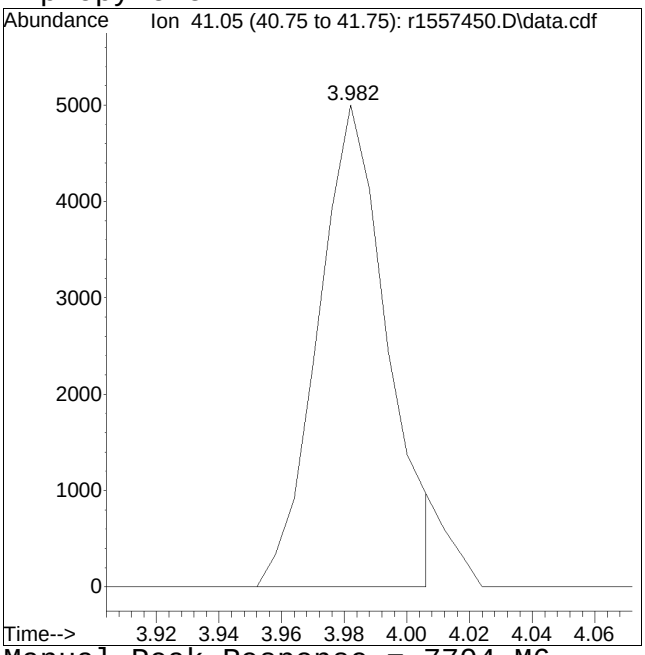
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557450.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 2:09 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 10/31/2025 4:04 pm

Compound #3: propylene



Original Peak Response = 8027



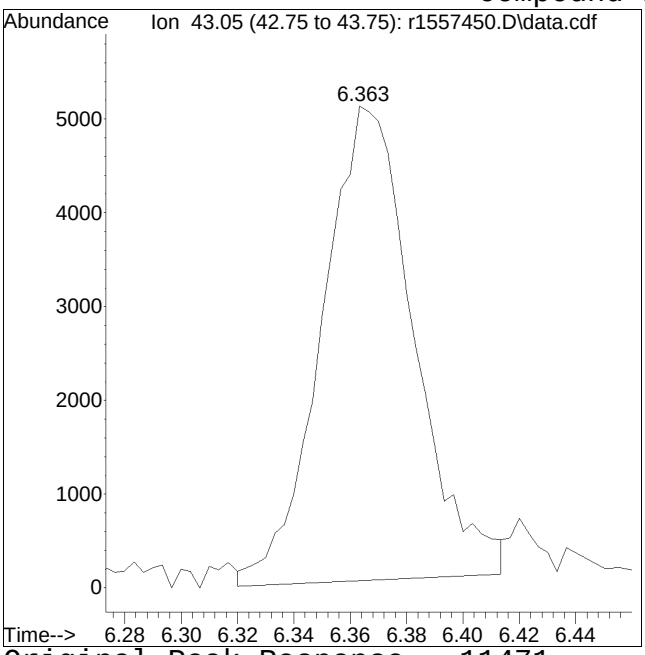
Manual Peak Response = 7704 M6

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

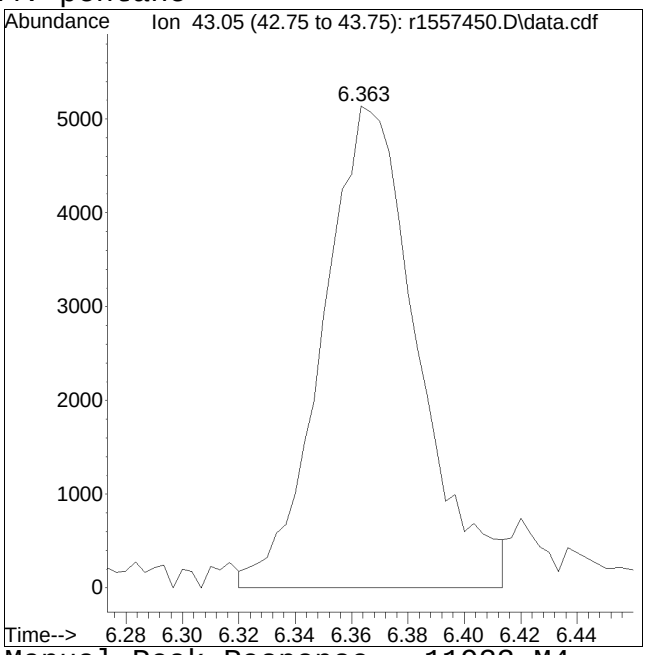
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557450.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 2:09 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 10/31/2025 4:04 pm

Compound #24: pentane



Original Peak Response = 11471



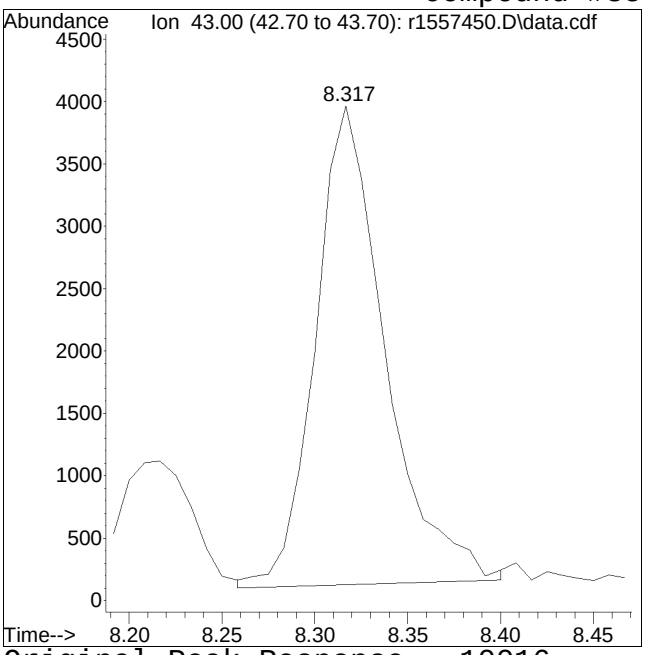
Manual Peak Response = 11933 M4

M4 = Poor automated baseline construction.

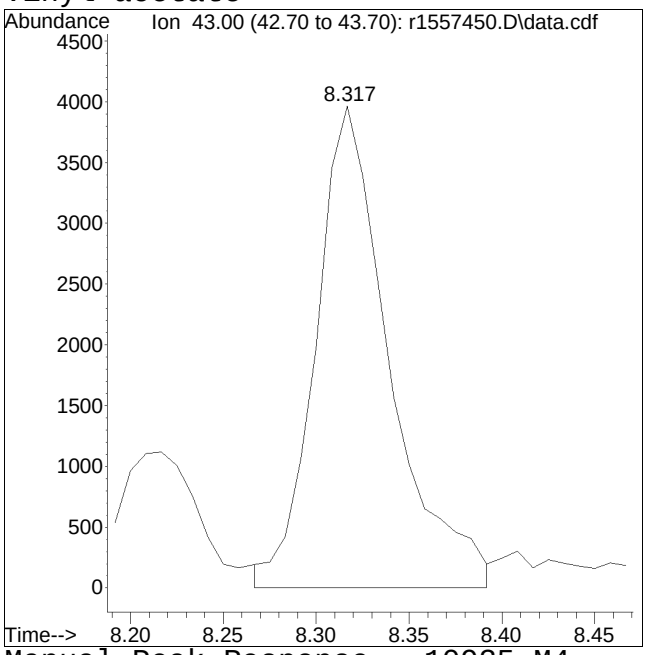
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557450.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 2:09 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 10/31/2025 4:04 pm

Compound #35: vinyl acetate



Original Peak Response = 10016



Manual Peak Response = 10935 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557451.D
Acq On : 31 Oct 2025 2:46 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:04 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.275	49	384672	10.000	ppbV	-0.02
Standard Area = 378452			Recovery = 101.64%			
43) 1,4-difluorobenzene	11.530	114	792936	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 101.58%			
67) chlorobenzene-D5	16.200	54	177548	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 101.72%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.158	65	255496	9.881	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.81%			
69) toluene-D8	14.358	98	725688	9.799	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.99%			
90) bromofluorobenzene	17.558	95	444735	9.202	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.02%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.958	51	20559	0.540	ppbV	99
3) propylene	3.994	41	15178M6	0.622	ppbV	
4) propane	4.012	29	18643	0.554	ppbV #	95
5) dichlorodifluoromethane	4.066	85	25105	0.516	ppbV	95
6) chloromethane	4.240	50	13424	0.512	ppbV	100
7) Freon-114	4.348	85	28070	0.521	ppbV	95
8) methanol	4.426	31	51408	3.372	ppbV #	61
9) vinyl chloride	4.474	62	15300	0.499	ppbV	95
10) 1,3-butadiene	4.624	54	12738	0.536	ppbV	99
11) butane	4.678	43	24160	0.545	ppbV	93
12) acetaldehyde	4.378	29	45142	2.710	ppbV #	84
13) bromomethane	4.912	94	10654	0.531	ppbV	95
14) chloroethane	5.110	64	7385	0.513	ppbV	98
15) ethanol	5.263	31	73475	2.195	ppbV	98
16) dichlorofluoromethane	5.224	67	25473	0.697	ppbV	99
17) vinyl bromide	5.500	106	9516	0.516	ppbV	96
18) acrolein	5.643	56	7366	0.525	ppbV #	54
19) acetone	5.790	43	100556	2.672	ppbV #	98
20) acetonitrile	5.497	41	13982	0.453	ppbV	98
21) trichlorofluoromethane	5.970	101	21677	0.513	ppbV	95
22) isopropyl alcohol	6.083	45	67539	1.452	ppbV	99
23) acrylonitrile	6.307	53	10439	0.445	ppbV #	85
24) pentane	6.377	43	34580	0.547	ppbV	97

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557451.D
Acq On : 31 Oct 2025 2:46 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:04 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.417	31	35954	0.472	ppbV		98
26) 1,1-dichloroethene	6.684	61	20093	0.498	ppbV		97
27) tertiary butyl alcohol	6.768	59	28670	0.511	ppbV		97
28) methylene chloride	6.828	49	16796	0.518	ppbV		99
29) 3-chloropropene	6.966	41	20449	0.515	ppbV		99
30) carbon disulfide	7.140	76	30882	0.493	ppbV	#	80
31) Freon 113	7.134	101	20178	0.509	ppbV		99
32) trans-1,2-dichloroethene	7.900	61	18380	0.499	ppbV		99
33) 1,1-dichloroethane	8.125	63	23915	0.501	ppbV		97
34) MTBE	8.217	73	30221	0.501	ppbV		99
35) vinyl acetate	8.325	43	26545	0.493	ppbV		100
36) 2-butanone	8.600	43	29901	0.471	ppbV		99
37) cis-1,2-dichloroethene	9.092	61	18471	0.492	ppbV		95
38) Ethyl Acetate	9.375	61	4418	0.478	ppbV		80
39) chloroform	9.433	83	23202	0.510	ppbV		99
40) Tetrahydrofuran	9.908	42	15549M6	0.487	ppbV		
41) 2,2-dichloropropane	9.458	77	17964	0.502	ppbV		98
42) 1,2-dichloroethane	10.283	62	16981	0.509	ppbV		99
44) hexane	9.350	57	25839	0.530	ppbV	#	61
45) diisopropyl ether	9.358	87	11132	0.510	ppbV		89
46) tert-butyl ethyl ether	9.975	59	45872	0.502	ppbV		99
48) 1,1,1-trichloroethane	10.567	97	22084	0.563	ppbV		94
49) 1,1-dichloropropene	10.937	75	18538	0.520	ppbV		97
50) benzene	11.103	78	40810	0.505	ppbV		97
51) thiophene	11.257	84	33262	0.436	ppbV		98
52) carbon tetrachloride	11.277	117	16426	0.479	ppbV		98
53) cyclohexane	11.423	56	26341	0.511	ppbV		99
54) tert-amyl methyl ether	11.817	73	34680	0.499	ppbV		99
55) dibromomethane	12.023	93	12612	0.518	ppbV		95
56) 1,2-dichloropropane	12.057	63	15801	0.501	ppbV		98
57) bromodichloromethane	12.283	83	21914	0.488	ppbV		98
58) 1,4-dioxane	12.343	88	8774	0.503	ppbV		99
59) trichloroethene	12.337	130	15192	0.512	ppbV		95
60) 2,2,4-trimethylpentane	12.383	57	79291	0.515	ppbV		98
61) methyl methacrylate	12.590	41	19524	0.467	ppbV		100
62) heptane	12.697	43	29994	0.520	ppbV		99
63) cis-1,3-dichloropropene	13.350	75	18328	0.466	ppbV		97
64) 4-methyl-2-pentanone	13.408	43	34323	0.486	ppbV		96
65) trans-1,3-dichloropropene	13.975	75	13760	0.465	ppbV		97
66) 1,1,2-trichloroethane	14.158	97	14020	0.489	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557451.D
Acq On : 31 Oct 2025 2:46 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:04 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.467	91	47831	0.509	ppbV	95
70) 2-methylthiophene	14.533	97	41907	0.433	ppbV	97
71) 1,3-dichloropropane	14.492	76	22324	0.503	ppbV	99
72) 2-hexanone	14.750	43	31499	0.476	ppbV	98
73) 3-methylthiophene	14.717	97	41937	0.424	ppbV	96
74) dibromochloromethane	14.900	129	18186	0.458	ppbV	99
75) 1,2-dibromoethane	15.142	107	19319	0.485	ppbV	96
76) butyl acetate	15.383	73	5401	0.490	ppbV	79
77) octane	15.458	85	17264	0.507	ppbV	99
78) tetrachloroethene	15.592	166	16093	0.484	ppbV	98
79) 1,1,1,2-tetrachloroethane	16.217	131	14780	0.492	ppbV	98
80) chlorobenzene	16.233	112	33294	0.487	ppbV	96
81) ethylbenzene	16.583	91	60101	0.484	ppbV	98
82) 2-ethylthiophene	16.625	97	49125	0.418	ppbV	99
83) m+p-xylene	16.750	91	94960	0.959	ppbV	98
84) bromoform	16.817	173	13548	0.438	ppbV	97
85) styrene	17.067	104	33045	0.476	ppbV	97
86) 1,1,2,2-tetrachloroethane	17.167	83	32970	0.469	ppbV	96
87) o-xylene	17.167	91	48438	0.481	ppbV	99
88) 1,2,3-trichloropropane	17.275	75	26794	0.500	ppbV	99
89) nonane	17.358	43	45289	0.514	ppbV	98
91) isopropylbenzene	17.675	105	60357	0.508	ppbV	97
92) bromobenzene	17.750	77	36238	0.515	ppbV	95
93) 2-chlorotoluene	18.083	126	15877	0.492	ppbV	85
94) n-propylbenzene	18.108	120	18516	0.505	ppbV	98
95) 4-chlorotoluene	18.142	126	16184	0.512	ppbV	100
96) 4-ethyl toluene	18.233	105	66303	0.542	ppbV	99
97) 1,3,5-trimethylbenzene	18.292	105	54457	0.531	ppbV	99
98) tert-butylbenzene	18.633	119	55019	0.514	ppbV	93
99) 1,2,4-trimethylbenzene	18.633	105	59421	0.553	ppbV	94
100) decane	18.708	57	53920	0.495	ppbV	98
101) Benzyl Chloride	18.758	91	33588	0.387	ppbV	98
102) 1,3-dichlorobenzene	18.767	146	30930	0.464	ppbV	96
103) 1,4-dichlorobenzene	18.825	146	31593	0.495	ppbV	99
104) sec-butylbenzene	18.858	105	77617	0.517	ppbV	96
105) 1,2,3-trimethylbenzene	18.983	105	57935	0.513	ppbV	97
106) p-isopropyltoluene	18.983	119	71763	0.518	ppbV	97
107) 1,2-dichlorobenzene	19.108	146	32696	0.468	ppbV	96
108) n-butylbenzene	19.333	91	62081	0.483	ppbV	99
109) indan	19.158	117	47379	0.515	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557451.D
Acq On : 31 Oct 2025 2:46 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:04 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

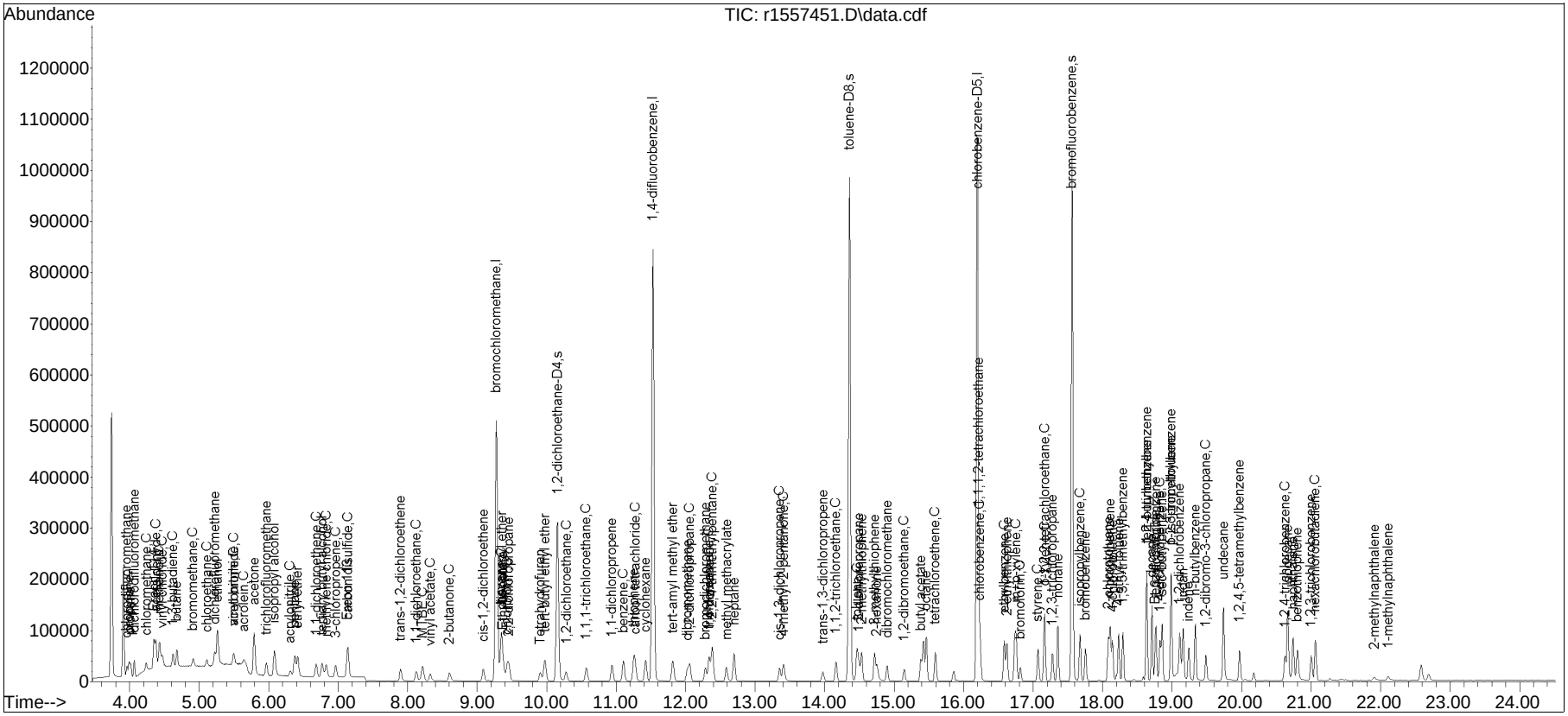
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.233	115	34487	0.465	ppbV		97
111) 1,2-dibromo-3-chloropr...	19.483	75	15160	0.456	ppbV		96
112) undecane	19.742	57	61989	0.484	ppbV	#	97
113) 1,2,4,5-tetramethylben...	19.967	119	30799	0.495	ppbV		100
114) dodecane	20.667	57	63406	0.455	ppbV		92
115) 1,2,4-trichlorobenzene	20.625	180	18604	0.371	ppbV		93
116) naphthalene	20.742	128	79611	0.499	ppbV		98
117) 1,2,3-trichlorobenzene	21.000	180	18676	0.386	ppbV	#	93
118) benzothiophene	20.800	134	54985	0.299	ppbV		96
119) hexachlorobutadiene	21.058	225	17862	0.425	ppbV		95
120) 2-methylnaphthalene	21.908	142	7378	0.175	ppbV		95
121) 1-methylnaphthalene	22.108	142	8070	0.210	ppbV		99

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557451.D
Acq On : 31 Oct 2025 2:46 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD0.5
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

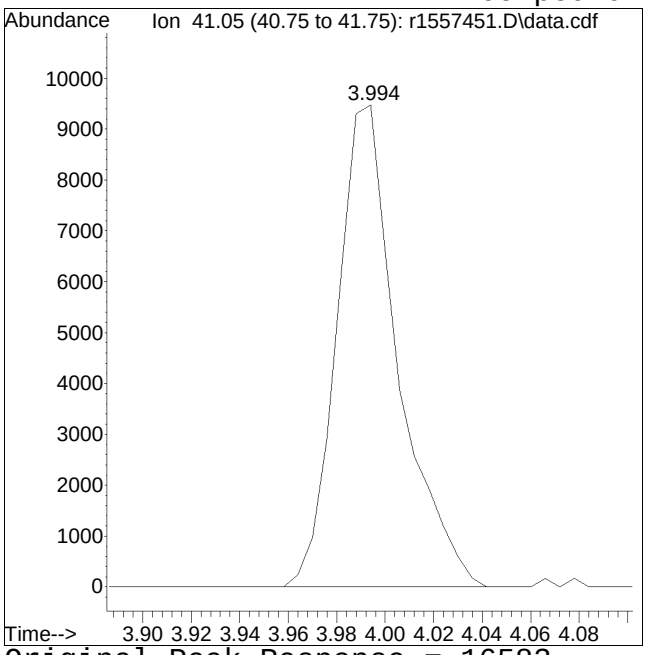
Quant Time: Oct 31 16:05:04 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration



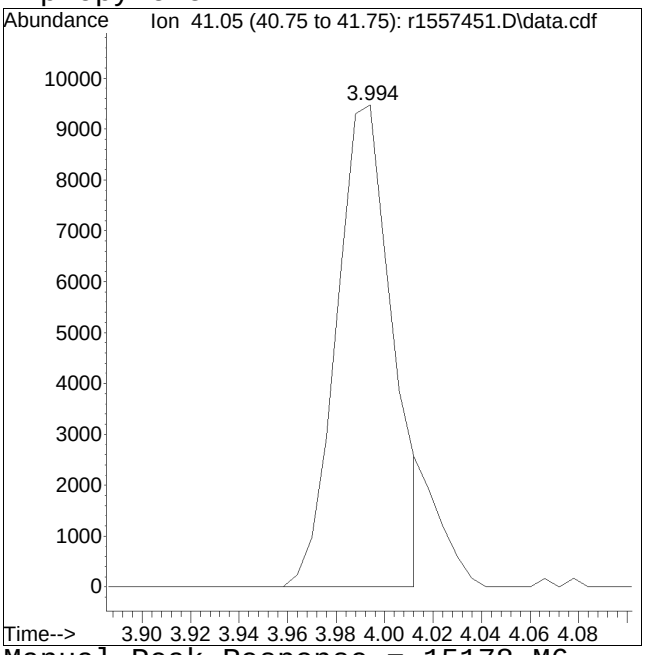
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557451.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 2:46 AM Instrument :
Sample : ITO15-SIMSTD0.5 Quant Date : 10/31/2025 4:05 pm

Compound #3: propylene



Original Peak Response = 16583



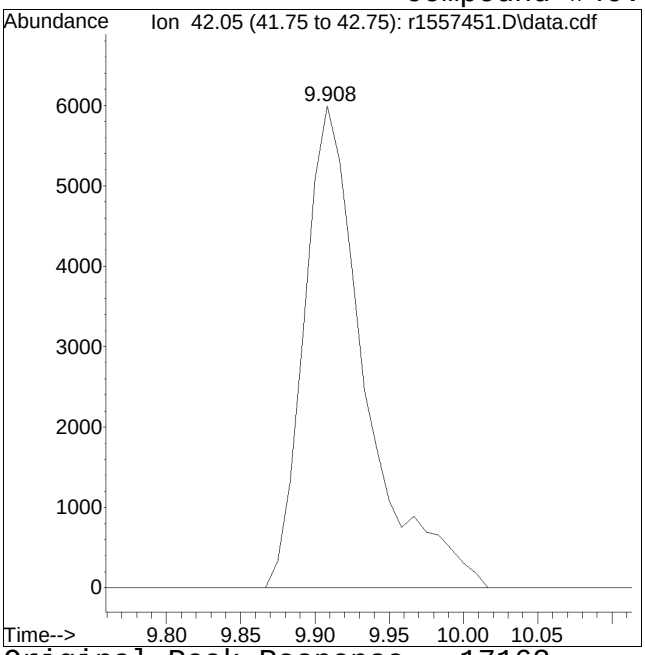
Manual Peak Response = 15178 M6

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

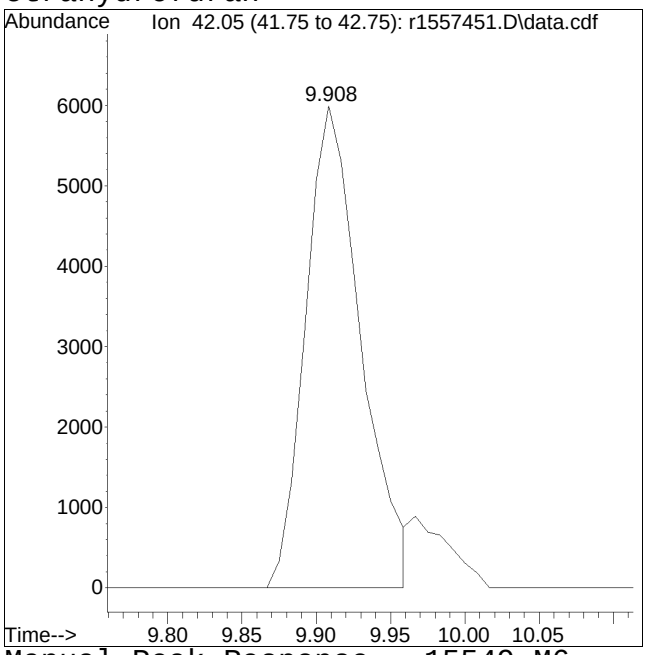
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557451.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 2:46 AM Instrument :
Sample : ITO15-SIMSTD0.5 Quant Date : 10/31/2025 4:05 pm

Compound #40: Tetrahydrofuran



Original Peak Response = 17162



Manual Peak Response = 15549 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557452.D
Acq On : 31 Oct 2025 3:25 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:15 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.283	49	379889	10.000	ppbV	0.00
Standard Area = 378452			Recovery = 100.38%			
43) 1,4-difluorobenzene	11.530	114	785259	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 100.60%			
67) chlorobenzene-D5	16.200	54	178555	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 102.30%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.158	65	250407	9.779	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.79%			
69) toluene-D8	14.358	98	725434	9.740	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%			
90) bromofluorobenzene	17.567	95	456559	9.393	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.93%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.964	51	40266	1.071	ppbV	99
3) propylene	3.994	41	28520M6	1.183	ppbV	
4) propane	4.018	29	35335	1.062	ppbV	98
5) dichlorodifluoromethane	4.066	85	48438	1.008	ppbV	100
6) chloromethane	4.240	50	26099	1.007	ppbV	99
7) Freon-114	4.354	85	53098	0.999	ppbV	100
8) methanol	4.432	31	96303	6.396	ppbV #	81
9) vinyl chloride	4.474	62	29574	0.977	ppbV	96
10) 1,3-butadiene	4.624	54	23889	1.018	ppbV	96
11) butane	4.684	43	46077	1.052	ppbV	99
12) acetaldehyde	4.378	29	86338	5.249	ppbV	93
13) bromomethane	4.918	94	20064	1.012	ppbV	95
14) chloroethane	5.110	64	14218	1.000	ppbV	97
15) ethanol	5.270	31	157192	4.755	ppbV	97
16) dichlorofluoromethane	5.224	67	44358	1.228	ppbV	100
17) vinyl bromide	5.497	106	17890	0.982	ppbV	98
18) acrolein	5.647	56	13081	0.943	ppbV #	76
19) acetone	5.790	43	194844	5.243	ppbV	99
20) acetonitrile	5.500	41	25219	0.827	ppbV	98
21) trichlorofluoromethane	5.970	101	41780	1.001	ppbV	95
22) isopropyl alcohol	6.083	45	132122	2.876	ppbV	99
23) acrylonitrile	6.313	53	21003	0.907	ppbV	90
24) pentane	6.380	43	67375	1.079	ppbV	98

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557452.D
Acq On : 31 Oct 2025 3:25 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:15 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.417	31	66370	0.881	ppbV		98
26) 1,1-dichloroethene	6.690	61	39679	0.995	ppbV		99
27) tertiary butyl alcohol	6.768	59	53801	0.971	ppbV		98
28) methylene chloride	6.834	49	31849	0.994	ppbV		98
29) 3-chloropropene	6.966	41	39974	1.020	ppbV		99
30) carbon disulfide	7.140	76	60110	0.971	ppbV	#	88
31) Freon 113	7.140	101	38380	0.981	ppbV		100
32) trans-1,2-dichloroethene	7.900	61	35829	0.985	ppbV		94
33) 1,1-dichloroethane	8.133	63	46517	0.987	ppbV		97
34) MTBE	8.217	73	58798	0.988	ppbV		98
35) vinyl acetate	8.325	43	47255	0.888	ppbV		98
36) 2-butanone	8.600	43	55638	0.887	ppbV		98
37) cis-1,2-dichloroethene	9.092	61	35874	0.967	ppbV		99
38) Ethyl Acetate	9.383	61	8271	0.906	ppbV		65
39) chloroform	9.433	83	44962	1.001	ppbV		99
40) Tetrahydrofuran	9.908	42	31140M6	0.987	ppbV		
41) 2,2-dichloropropane	9.458	77	35462	1.003	ppbV		98
42) 1,2-dichloroethane	10.283	62	32453	0.986	ppbV		98
44) hexane	9.350	57	50613	1.049	ppbV	#	67
45) diisopropyl ether	9.350	87	21089	0.976	ppbV		96
46) tert-butyl ethyl ether	9.975	59	90853	1.004	ppbV		100
48) 1,1,1-trichloroethane	10.575	97	43103	1.109	ppbV		98
49) 1,1-dichloropropene	10.943	75	35456	1.004	ppbV		99
50) benzene	11.110	78	78563	0.983	ppbV		100
51) thiophene	11.257	84	64863	0.858	ppbV		99
52) carbon tetrachloride	11.283	117	32603	0.960	ppbV		98
53) cyclohexane	11.430	56	50413	0.987	ppbV		98
54) tert-amyl methyl ether	11.810	73	68362	0.994	ppbV		97
55) dibromomethane	12.023	93	24160	1.003	ppbV		98
56) 1,2-dichloropropane	12.057	63	30217	0.967	ppbV		97
57) bromodichloromethane	12.283	83	42216	0.949	ppbV		96
58) 1,4-dioxane	12.343	88	16519	0.957	ppbV		96
59) trichloroethene	12.337	130	29273	0.995	ppbV		97
60) 2,2,4-trimethylpentane	12.383	57	155189	1.017	ppbV		99
61) methyl methacrylate	12.583	41	38530	0.931	ppbV		99
62) heptane	12.697	43	56692	0.993	ppbV		98
63) cis-1,3-dichloropropene	13.350	75	36022	0.925	ppbV		99
64) 4-methyl-2-pentanone	13.400	43	67417	0.963	ppbV		99
65) trans-1,3-dichloropropene	13.975	75	26572	0.906	ppbV		99
66) 1,1,2-trichloroethane	14.167	97	27354	0.963	ppbV		95

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557452.D
Acq On : 31 Oct 2025 3:25 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:15 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.467	91	90581	0.958	ppbV	95
70)	2-methylthiophene	14.533	97	81074	0.833	ppbV	98
71)	1,3-dichloropropane	14.492	76	43640	0.978	ppbV	97
72)	2-hexanone	14.750	43	60407	0.907	ppbV	99
73)	3-methylthiophene	14.717	97	81719	0.822	ppbV	96
74)	dibromochloromethane	14.900	129	36398	0.912	ppbV	100
75)	1,2-dibromoethane	15.142	107	37638	0.940	ppbV	95
76)	butyl acetate	15.383	73	10480	0.945	ppbV	84
77)	octane	15.467	85	33550	0.980	ppbV	97
78)	tetrachloroethene	15.592	166	32465	0.971	ppbV	97
79)	1,1,1,2-tetrachloroethane	16.225	131	28946	0.958	ppbV	99
80)	chlorobenzene	16.242	112	66741	0.971	ppbV	97
81)	ethylbenzene	16.583	91	116445	0.933	ppbV	99
82)	2-ethylthiophene	16.625	97	98702	0.836	ppbV	98
83)	m+p-xylene	16.750	91	188902	1.897	ppbV	98
84)	bromoform	16.817	173	26090	0.838	ppbV	97
85)	styrene	17.075	104	66642	0.955	ppbV	95
86)	1,1,2,2-tetrachloroethane	17.167	83	65339	0.923	ppbV	96
87)	o-xylene	17.167	91	97377	0.961	ppbV	98
88)	1,2,3-trichloropropane	17.275	75	52502	0.975	ppbV	97
89)	nonane	17.358	43	87595	0.988	ppbV	99
91)	isopropylbenzene	17.675	105	119654	1.001	ppbV	96
92)	bromobenzene	17.750	77	70693	1.000	ppbV	93
93)	2-chlorotoluene	18.083	126	31012	0.956	ppbV	96
94)	n-propylbenzene	18.108	120	36555	0.991	ppbV	92
95)	4-chlorotoluene	18.142	126	31758	0.998	ppbV	92
96)	4-ethyl toluene	18.233	105	130678	1.062	ppbV	100
97)	1,3,5-trimethylbenzene	18.292	105	105381	1.022	ppbV	99
98)	tert-butylbenzene	18.633	119	111180	1.033	ppbV	95
99)	1,2,4-trimethylbenzene	18.633	105	116990	1.082	ppbV	94
100)	decane	18.708	57	104863	0.957	ppbV	96
101)	Benzyl Chloride	18.758	91	73915	0.848	ppbV	95
102)	1,3-dichlorobenzene	18.767	146	61781	0.921	ppbV	98
103)	1,4-dichlorobenzene	18.825	146	62543	0.974	ppbV	98
104)	sec-butylbenzene	18.858	105	148880	0.986	ppbV	98
105)	1,2,3-trimethylbenzene	18.983	105	114737	1.009	ppbV	93
106)	p-isopropyltoluene	18.983	119	144213	1.035	ppbV	98
107)	1,2-dichlorobenzene	19.108	146	65170	0.928	ppbV	98
108)	n-butylbenzene	19.333	91	124637	0.963	ppbV	97
109)	indan	19.158	117	94092	1.018	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557452.D
Acq On : 31 Oct 2025 3:25 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:15 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

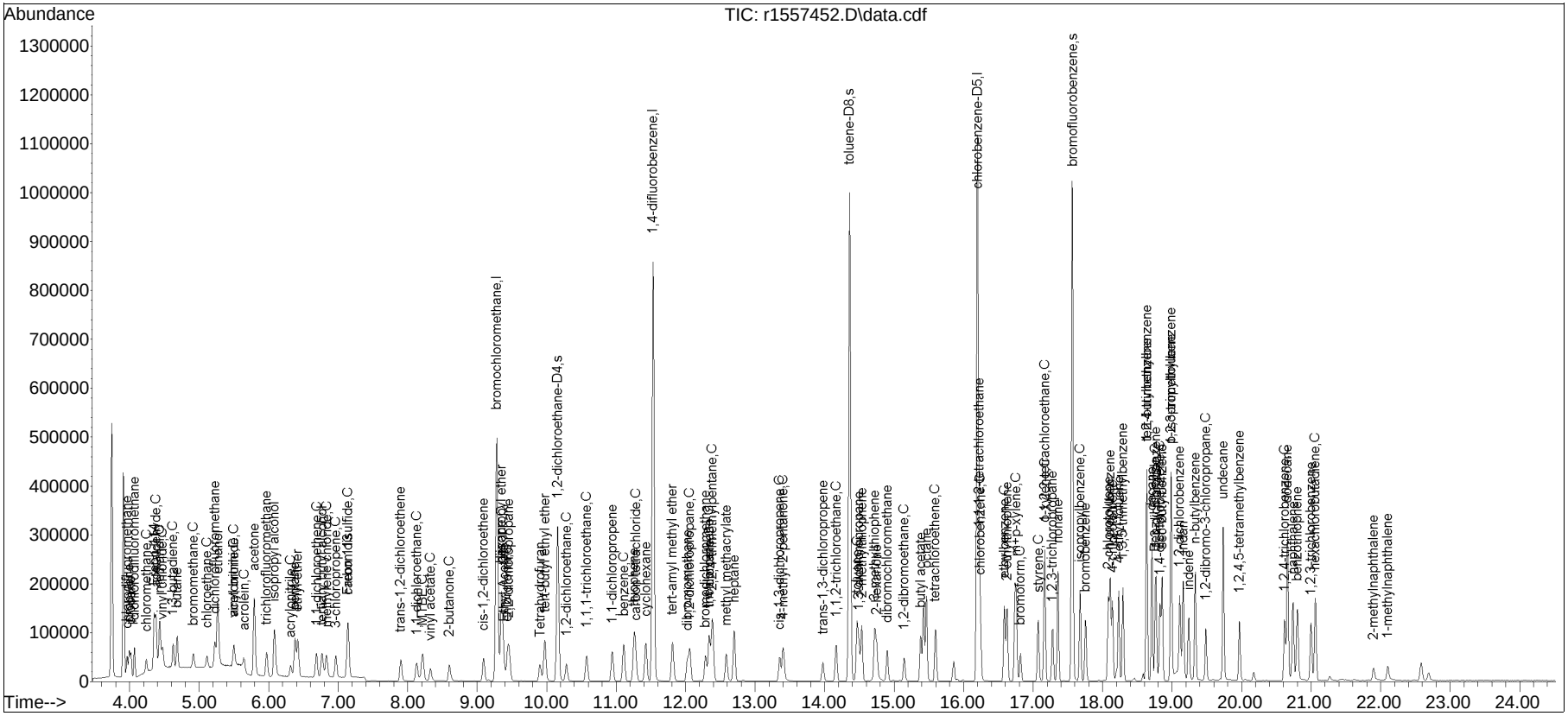
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.242	115	69489	0.932	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.483	75	30721	0.918	ppbV	95
112) undecane	19.733	57	122237	0.950	ppbV	98
113) 1,2,4,5-tetramethylben...	19.967	119	64679	1.035	ppbV	99
114) dodecane	20.658	57	127560	0.910	ppbV	97
115) 1,2,4-trichlorobenzene	20.617	180	41640	0.825	ppbV	97
116) naphthalene	20.742	128	147871	0.921	ppbV	100
117) 1,2,3-trichlorobenzene	21.000	180	42193	0.868	ppbV	98
118) benzothiophene	20.800	134	127040	0.687	ppbV	98
119) hexachlorobutadiene	21.058	225	39251	0.928	ppbV	99
120) 2-methylnaphthalene	21.900	142	21801	0.513	ppbV	98
121) 1-methylnaphthalene	22.100	142	21253	0.550	ppbV	99

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557452.D
Acq On : 31 Oct 2025 3:25 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD1.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

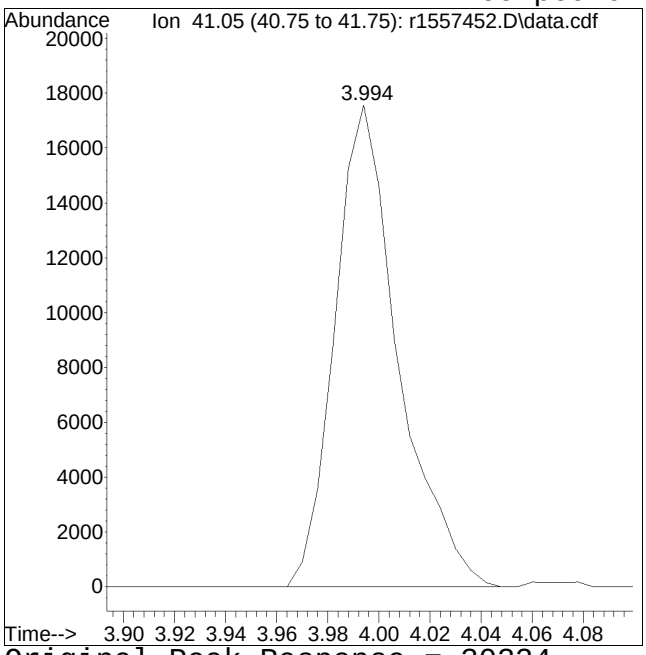
Quant Time: Oct 31 16:05:15 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration



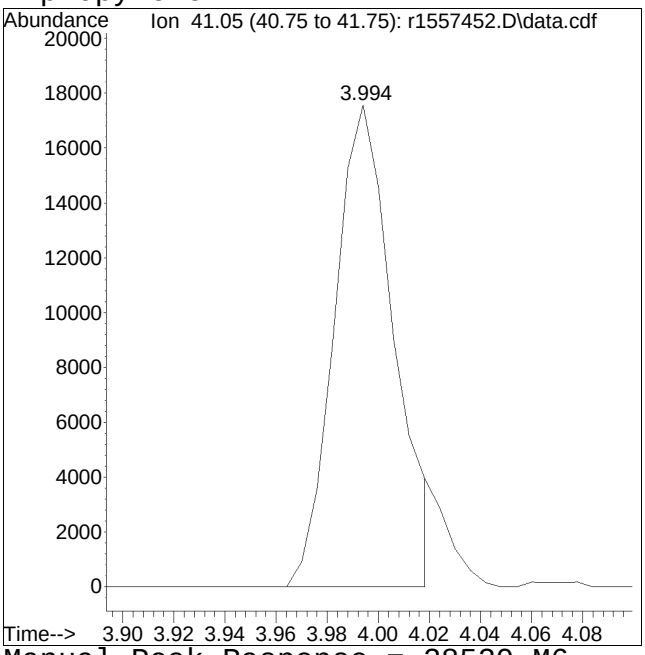
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557452.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 3:25 AM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 10/31/2025 4:05 pm

Compound #3: propylene



Original Peak Response = 30334



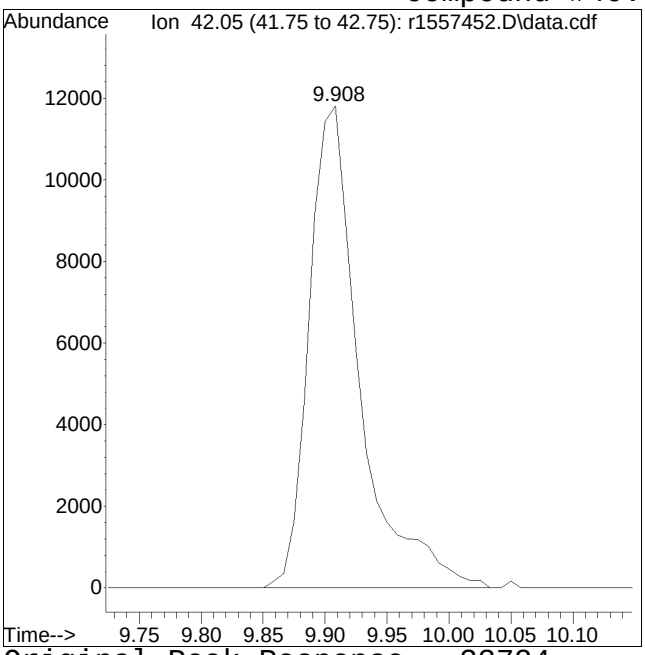
Manual Peak Response = 28520 M6

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

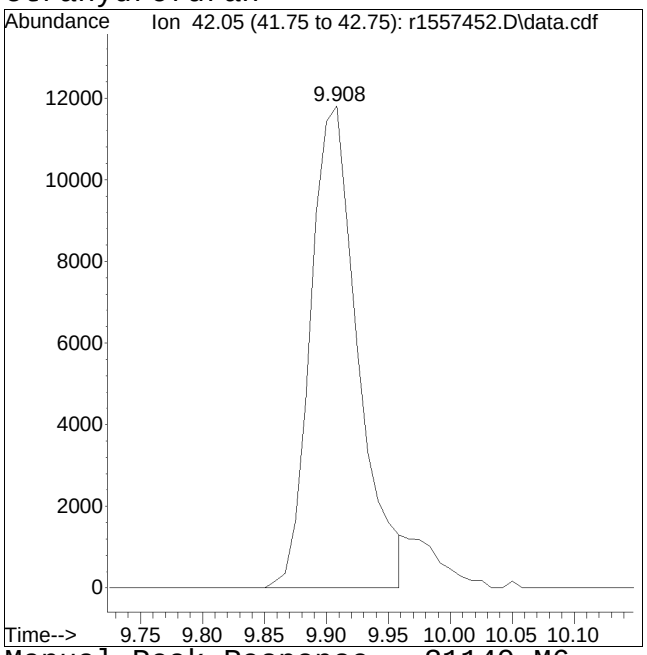
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557452.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 3:25 AM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 10/31/2025 4:05 pm

Compound #40: Tetrahydrofuran



Original Peak Response = 33724



Manual Peak Response = 31140 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557453.D
Acq On : 31 Oct 2025 4:03 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:25 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.283	49	385539	10.000	ppbV	0.00
Standard Area = 378452			Recovery = 101.87%			
43) 1,4-difluorobenzene	11.537	114	801109	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 102.63%			
67) chlorobenzene-D5	16.200	54	192306	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 110.17%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.158	65	254143	9.728	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.28%			
69) toluene-D8	14.358	98	738102	9.202	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.02%			
90) bromofluorobenzene	17.567	95	531240	10.148	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.958	51	188974	4.952	ppbV	99
3) propylene	3.994	41	126316M6	5.165	ppbV	
4) propane	4.018	29	164024	4.859	ppbV	99
5) dichlorodifluoromethane	4.066	85	240833	4.938	ppbV	99
6) chloromethane	4.240	50	126307	4.802	ppbV	99
7) Freon-114	4.348	85	264472	4.901	ppbV	97
8) methanol	4.426	31	378739	24.784	ppbV	98
9) vinyl chloride	4.474	62	147965	4.816	ppbV	99
10) 1,3-butadiene	4.624	54	116060	4.872	ppbV	99
11) butane	4.684	43	214277	4.822	ppbV	99
12) acetaldehyde	4.366	29	413043	24.744	ppbV	99
13) bromomethane	4.912	94	97854	4.863	ppbV	99
14) chloroethane	5.110	64	69178	4.793	ppbV	99
15) ethanol	5.263	31	685338	20.426	ppbV	99
16) dichlorofluoromethane	5.224	67	213993	5.839	ppbV	100
17) vinyl bromide	5.500	106	88194	4.770	ppbV	100
18) acrolein	5.633	56	66381	4.717	ppbV #	91
19) acetone	5.780	43	911742	24.174	ppbV	100
20) acetonitrile	5.493	41	128343	4.148	ppbV	98
21) trichlorofluoromethane	5.970	101	206074	4.863	ppbV	99
22) isopropyl alcohol	6.073	45	557792	11.966	ppbV	100
23) acrylonitrile	6.310	53	107978	4.592	ppbV	98
24) pentane	6.380	43	322971	5.095	ppbV	99

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557453.D
Acq On : 31 Oct 2025 4:03 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:25 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.407	31	348665	4.563	ppbV	99
26) 1,1-dichloroethene	6.690	61	195609	4.834	ppbV	98
27) tertiary butyl alcohol	6.750	59	269182	4.788	ppbV	98
28) methylene chloride	6.834	49	157555	4.848	ppbV	99
29) 3-chloropropene	6.966	41	190278	4.783	ppbV	99
30) carbon disulfide	7.140	76	294722	4.690	ppbV	99
31) Freon 113	7.140	101	193293	4.868	ppbV	97
32) trans-1,2-dichloroethene	7.900	61	174220	4.722	ppbV	98
33) 1,1-dichloroethane	8.133	63	229608	4.802	ppbV	100
34) MTBE	8.200	73	289803	4.796	ppbV	100
35) vinyl acetate	8.325	43	232081	4.297	ppbV	100
36) 2-butanone	8.583	43	299299	4.702	ppbV	99
37) cis-1,2-dichloroethene	9.100	61	180564	4.796	ppbV	95
38) Ethyl Acetate	9.367	61	42635	4.600	ppbV	67
39) chloroform	9.442	83	223835	4.908	ppbV	98
40) Tetrahydrofuran	9.883	42	152764	4.771	ppbV	99
41) 2,2-dichloropropane	9.467	77	174784	4.871	ppbV	99
42) 1,2-dichloroethane	10.283	62	161993	4.848	ppbV	99
44) hexane	9.350	57	234197	4.758	ppbV	87
45) diisopropyl ether	9.350	87	104923	4.760	ppbV	93
46) tert-butyl ethyl ether	9.967	59	439883	4.764	ppbV	99
48) 1,1,1-trichloroethane	10.575	97	208754	5.263	ppbV	98
49) 1,1-dichloropropene	10.950	75	170956	4.744	ppbV	98
50) benzene	11.110	78	390343	4.785	ppbV	100
51) thiophene	11.263	84	365312	4.735	ppbV	99
52) carbon tetrachloride	11.283	117	163473	4.718	ppbV	99
53) cyclohexane	11.430	56	249286	4.784	ppbV	98
54) tert-amyl methyl ether	11.803	73	333179	4.750	ppbV	98
55) dibromomethane	12.030	93	117251	4.770	ppbV	98
56) 1,2-dichloropropane	12.063	63	152530	4.786	ppbV	97
57) bromodichloromethane	12.290	83	214933	4.737	ppbV	98
58) 1,4-dioxane	12.330	88	86232	4.895	ppbV	99
59) trichloroethene	12.343	130	144921	4.830	ppbV	98
60) 2,2,4-trimethylpentane	12.390	57	763722	4.908	ppbV	100
61) methyl methacrylate	12.583	41	198642	4.703	ppbV	100
62) heptane	12.703	43	279118	4.793	ppbV	100
63) cis-1,3-dichloropropene	13.350	75	189866	4.780	ppbV	98
64) 4-methyl-2-pentanone	13.392	43	339807	4.758	ppbV	98
65) trans-1,3-dichloropropene	13.975	75	138321	4.622	ppbV	100
66) 1,1,2-trichloroethane	14.167	97	137182	4.733	ppbV	99

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557453.D
Acq On : 31 Oct 2025 4:03 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:25 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	14.467	91	454915	4.469	ppbV	97
70) 2-methylthiophene	14.533	97	467051	4.458	ppbV	98
71) 1,3-dichloropropane	14.492	76	211194	4.396	ppbV	99
72) 2-hexanone	14.742	43	322180	4.492	ppbV	97
73) 3-methylthiophene	14.725	97	473950	4.427	ppbV	99
74) dibromochloromethane	14.900	129	188624	4.389	ppbV	98
75) 1,2-dibromoethane	15.142	107	191597	4.441	ppbV	98
76) butyl acetate	15.375	73	51970	4.352	ppbV	96
77) octane	15.467	85	165434	4.485	ppbV	98
78) tetrachloroethene	15.600	166	162648	4.517	ppbV	97
79) 1,1,1,2-tetrachloroethane	16.225	131	142097	4.367	ppbV	96
80) chlorobenzene	16.242	112	327785	4.426	ppbV	99
81) ethylbenzene	16.583	91	592519	4.406	ppbV	99
82) 2-ethylthiophene	16.625	97	568097	4.466	ppbV	99
83) m+p-xylene	16.750	91	948947	8.849	ppbV	98
84) bromoform	16.817	173	143452	4.277	ppbV	98
85) styrene	17.075	104	337133	4.484	ppbV	96
86) 1,1,2,2-tetrachloroethane	17.167	83	333822	4.380	ppbV	99
87) o-xylene	17.167	91	479726	4.395	ppbV	99
88) 1,2,3-trichloropropane	17.283	75	255891	4.413	ppbV	99
89) nonane	17.358	43	425548	4.456	ppbV	99
91) isopropylbenzene	17.675	105	567804	4.410	ppbV	99
92) bromobenzene	17.758	77	342017	4.492	ppbV	99
93) 2-chlorotoluene	18.083	126	154087	4.410	ppbV	100
94) n-propylbenzene	18.108	120	173393	4.365	ppbV	97
95) 4-chlorotoluene	18.142	126	153729	4.486	ppbV	100
96) 4-ethyl toluene	18.233	105	583150	4.401	ppbV	99
97) 1,3,5-trimethylbenzene	18.292	105	503971	4.539	ppbV	98
98) tert-butylbenzene	18.633	119	528869	4.563	ppbV	96
99) 1,2,4-trimethylbenzene	18.633	105	518194	4.451	ppbV	99
100) decane	18.708	57	520080	4.408	ppbV	99
101) Benzyl Chloride	18.758	91	389499	4.148	ppbV	98
102) 1,3-dichlorobenzene	18.767	146	311315	4.311	ppbV	92
103) 1,4-dichlorobenzene	18.825	146	304980	4.410	ppbV	99
104) sec-butylbenzene	18.858	105	727556	4.473	ppbV	96
105) 1,2,3-trimethylbenzene	18.992	105	561813	4.589	ppbV	98
106) p-isopropyltoluene	18.983	119	698945	4.658	ppbV	99
107) 1,2-dichlorobenzene	19.108	146	333158	4.407	ppbV	99
108) n-butylbenzene	19.333	91	621058	4.458	ppbV	98
109) indan	19.158	117	436448	4.383	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557453.D
Acq On : 31 Oct 2025 4:03 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:25 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

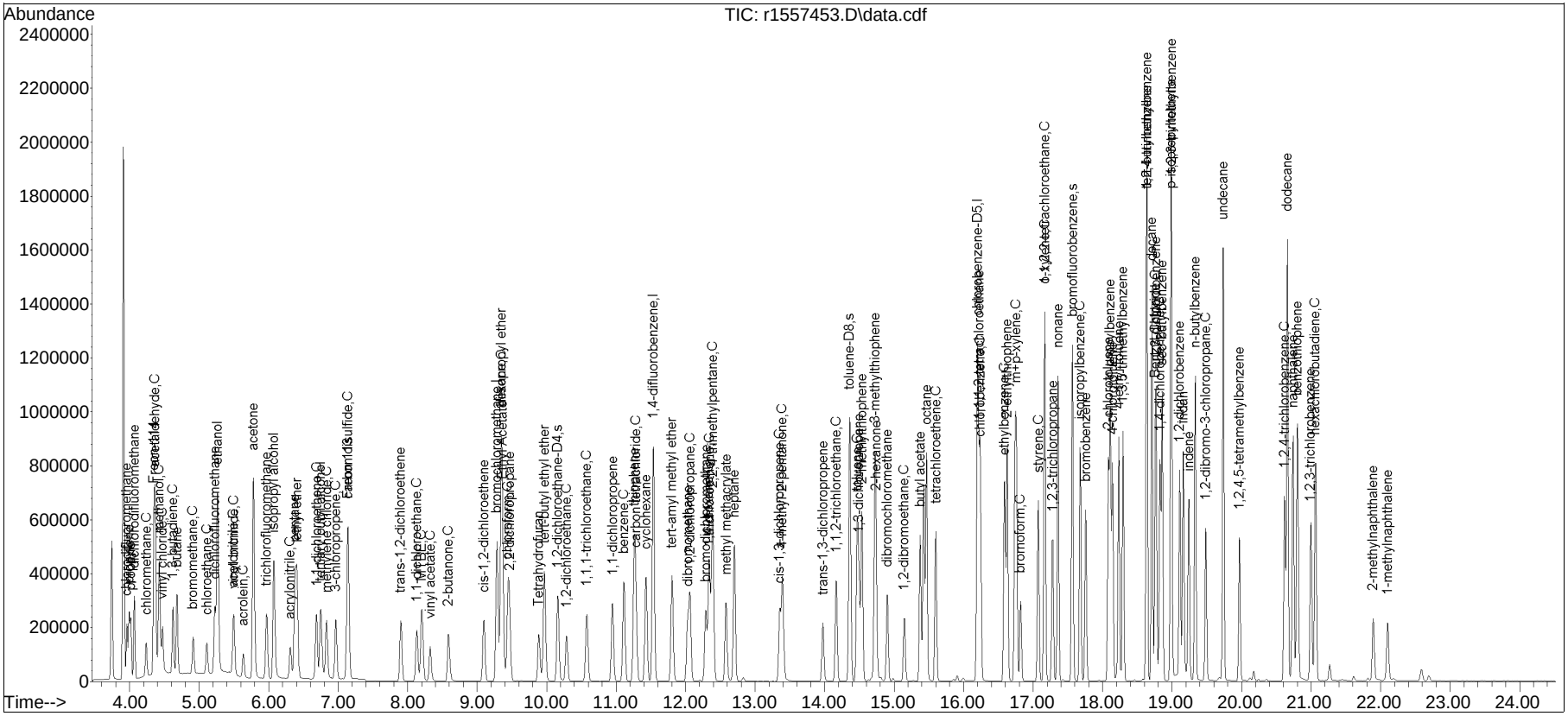
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.242	115	356058	4.433	ppbV	100
111) 1,2-dibromo-3-chloropr...	19.483	75	157291	4.364	ppbV	98
112) undecane	19.733	57	613131	4.423	ppbV	100
113) 1,2,4,5-tetramethylben...	19.967	119	290463	4.314	ppbV	99
114) dodecane	20.658	57	640344	4.242	ppbV	98
115) 1,2,4-trichlorobenzene	20.617	180	218663	4.023	ppbV	95
116) naphthalene	20.742	128	799676	4.625	ppbV	100
117) 1,2,3-trichlorobenzene	20.992	180	208342	3.979	ppbV	99
118) benzothiophene	20.800	134	795349	3.995	ppbV	99
119) hexachlorobutadiene	21.058	225	192071	4.217	ppbV	97
120) 2-methylnaphthalene	21.892	142	154463	3.374	ppbV	97
121) 1-methylnaphthalene	22.100	142	141550	3.402	ppbV	96

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557453.D
Acq On : 31 Oct 2025 4:03 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD5.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

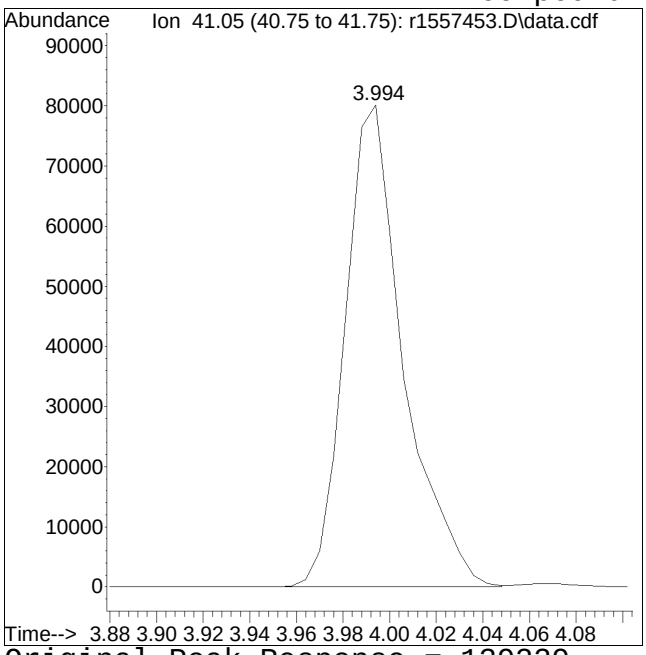
Quant Time: Oct 31 16:05:25 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration



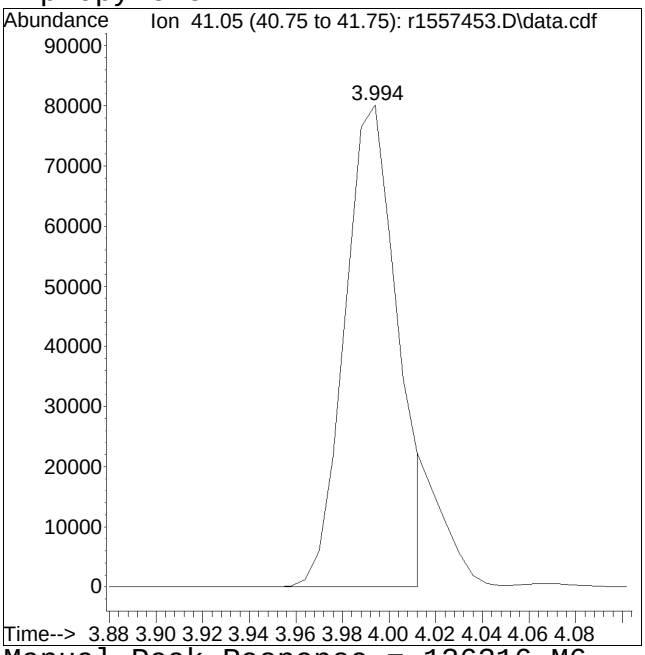
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557453.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:03 AM Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 10/31/2025 4:05 pm

Compound #3: propylene



Original Peak Response = 139229



Manual Peak Response = 126316 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557454.D
Acq On : 31 Oct 2025 4:43 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD010
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:00:36 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Sep 24 13:20:08 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.292	49	378452	10.000	ppbV	0.11
Standard Area = 378452			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.537	114	780590	10.000	ppbV	0.11
Standard Area = 780590			Recovery = 100.00%			
67) chlorobenzene-D5	16.200	54	174548	10.000	ppbV	0.07
Standard Area = 174548			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.167	65	254546	10.096	ppbV	0.11
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.96%			
69) toluene-D8	14.367	98	728076	9.988	ppbV	0.09
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.88%			
90) bromofluorobenzene	17.567	95	475133	9.366	ppbV	0.07
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.66%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.958	51	374601	9.695	ppbV	100
3) propylene	3.988	41	240072M6	8.659	ppbV	
4) propane	4.018	29	331341	9.938	ppbV	96
5) dichlorodifluoromethane	4.066	85	478714	9.923	ppbV	99
6) chloromethane	4.240	50	258172	10.086	ppbV	100
7) Freon-114	4.348	85	529696	9.949	ppbV	98
8) methanol	4.432	31	750028	51.928	ppbV	97
9) vinyl chloride	4.474	62	301600	9.327	ppbV	99
10) 1,3-butadiene	4.624	54	233824	9.954	ppbV	95
11) butane	4.684	43	436233	9.375	ppbV	99
12) acetaldehyde	4.372	29	819293	56.787	ppbV	90
13) bromomethane	4.918	94	197510	9.355	ppbV	99
14) chloroethane	5.110	64	141688	8.909	ppbV	98
15) ethanol	5.270	31	1646814	68.528	ppbV	98
16) dichlorofluoromethane	5.230	67	359782	6.578	ppbV	99
17) vinyl bromide	5.500	106	181507	9.007	ppbV	99
18) acrolein	5.637	56	138133	9.855	ppbV	97
19) acetone	5.783	43	1851159	47.286	ppbV	94
20) acetonitrile	5.500	41	303745M1	10.017	ppbV	
21) trichlorofluoromethane	5.973	101	415988	9.248	ppbV	99
22) isopropyl alcohol	6.083	45	1143985	23.354	ppbV	98
23) acrylonitrile	6.317	53	230813	9.377	ppbV	96
24) pentane	6.383	43	622303	10.453	ppbV	98

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557454.D
Acq On : 31 Oct 2025 4:43 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD010
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:00:36 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Sep 24 13:20:08 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	6.410	31	750149	12.537	ppbV		96
26) 1,1-dichloroethene	6.690	61	397241	8.850	ppbV		99
27) tertiary butyl alcohol	6.756	59	551910	8.455	ppbV		96
28) methylene chloride	6.840	49	319040	10.022	ppbV		95
29) 3-chloropropene	6.972	41	390469	9.110	ppbV		99
30) carbon disulfide	7.146	76	616875	9.262	ppbV		97
31) Freon 113	7.140	101	389779	8.964	ppbV		99
32) trans-1,2-dichloroethene	7.908	61	362207	8.725	ppbV		96
33) 1,1-dichloroethane	8.142	63	469365	8.676	ppbV		99
34) MTBE	8.208	73	593102	9.306	ppbV		98
35) vinyl acetate	8.325	43	530206	9.122	ppbV		99
36) 2-butanone	8.592	43	624830	10.358	ppbV		99
37) cis-1,2-dichloroethene	9.100	61	369576	8.781	ppbV		96
38) Ethyl Acetate	9.375	61	90972	8.556	ppbV		90
39) chloroform	9.450	83	447655	9.722	ppbV		98
40) Tetrahydrofuran	9.892	42	314335	9.292	ppbV		97
41) 2,2-dichloropropane	9.467	77	352260	9.725	ppbV		97
42) 1,2-dichloroethane	10.292	62	327979	9.219	ppbV		98
44) hexane	9.358	57	479629	9.281	ppbV	#	71
45) diisopropyl ether	9.350	87	214782	9.396	ppbV		86
46) tert-butyl ethyl ether	9.975	59	899674	9.243	ppbV		99
48) 1,1,1-trichloroethane	10.583	97	386470	9.983	ppbV		100
49) 1,1-dichloropropene	10.950	75	351168	10.074	ppbV		98
50) benzene	11.117	78	794838	9.972	ppbV		100
51) thiophene	11.270	84	751812	10.802	ppbV		97
52) carbon tetrachloride	11.290	117	337591	10.341	ppbV		96
53) cyclohexane	11.437	56	507777	9.377	ppbV		95
54) tert-amyl methyl ether	11.803	73	683520	9.613	ppbV		99
55) dibromomethane	12.030	93	239523	9.572	ppbV		98
56) 1,2-dichloropropane	12.063	63	310517	9.125	ppbV		97
57) bromodichloromethane	12.290	83	442122	10.316	ppbV		98
58) 1,4-dioxane	12.330	88	171663	9.215	ppbV		100
59) trichloroethene	12.343	130	292335	9.286	ppbV		98
60) 2,2,4-trimethylpentane	12.390	57	1516220M6	9.175	ppbV		
61) methyl methacrylate	12.583	41	411527	10.077	ppbV		97
62) heptane	12.703	43	567428	10.067	ppbV		95
63) cis-1,3-dichloropropene	13.358	75	387075	10.242	ppbV		98
64) 4-methyl-2-pentanone	13.392	43	695906	10.136	ppbV		93
65) trans-1,3-dichloropropene	13.975	75	291595	10.488	ppbV		99
66) 1,1,2-trichloroethane	14.167	97	282422	9.727	ppbV		98

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557454.D
Acq On : 31 Oct 2025 4:43 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD010
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:00:36 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Sep 24 13:20:08 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.475	91	923855	9.820	ppbV	99
70)	2-methylthiophene	14.542	97	950985	10.795	ppbV	99
71)	1,3-dichloropropane	14.500	76	436045	10.038	ppbV	99
72)	2-hexanone	14.742	43	651048	10.180	ppbV	90
73)	3-methylthiophene	14.725	97	971729	10.712	ppbV	98
74)	dibromochloromethane	14.908	129	390078	9.950	ppbV	98
75)	1,2-dibromoethane	15.150	107	391584	9.828	ppbV	98
76)	butyl acetate	15.375	73	108398	9.636	ppbV	92
77)	octane	15.467	85	334781	9.560	ppbV	93
78)	tetrachloroethene	15.600	166	326803	9.544	ppbV	94
79)	1,1,1,2-tetrachloroethane	16.225	131	295325	9.504	ppbV	97
80)	chlorobenzene	16.242	112	672130	9.747	ppbV	97
81)	ethylbenzene	16.592	91	1220627	9.973	ppbV	98
82)	2-ethylthiophene	16.625	97	1154516	10.862	ppbV	98
83)	m+p-xylene	16.750	91	1946653	20.082	ppbV	99
84)	bromoform	16.817	173	304407	9.835	ppbV	99
85)	styrene	17.075	104	682383	9.543	ppbV	94
86)	1,1,2,2-tetrachloroethane	17.167	83	691808	10.028	ppbV	98
87)	o-xylene	17.167	91	990807	10.118	ppbV	96
88)	1,2,3-trichloropropane	17.283	75	526320	10.059	ppbV	98
89)	nonane	17.358	43	866731	10.010	ppbV	91
91)	isopropylbenzene	17.675	105	1168749	9.545	ppbV	100
92)	bromobenzene	17.758	77	691154	9.839	ppbV	96
93)	2-chlorotoluene	18.083	126	317161	9.187	ppbV	80
94)	n-propylbenzene	18.108	120	360550	8.943	ppbV	92
95)	4-chlorotoluene	18.142	126	311055M3	8.924	ppbV	
96)	4-ethyl toluene	18.233	105	1202816	9.493	ppbV	96
97)	1,3,5-trimethylbenzene	18.292	105	1007825	9.380	ppbV	98
98)	tert-butylbenzene	18.633	119	1052111	9.318	ppbV	100
99)	1,2,4-trimethylbenzene	18.633	105	1056703	9.369	ppbV	96
100)	decane	18.708	57	1070870	9.347	ppbV	90
101)	Benzyl Chloride	18.758	91	852265	10.034	ppbV	100
102)	1,3-dichlorobenzene	18.767	146	655515	9.655	ppbV	98
103)	1,4-dichlorobenzene	18.825	146	627682M3	9.443	ppbV	
104)	sec-butylbenzene	18.858	105	1476349	9.538	ppbV	99
105)	1,2,3-trimethylbenzene	18.992	105	1111314	9.761	ppbV	98
106)	p-isopropyltoluene	18.983	119	1361889	9.797	ppbV	98
107)	1,2-dichlorobenzene	19.108	146	686211	10.409	ppbV	98
108)	n-butylbenzene	19.333	91	1264559	9.853	ppbV	98
109)	indan	19.158	117	903855	10.427	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557454.D
Acq On : 31 Oct 2025 4:43 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD010
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:00:36 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Sep 24 13:20:08 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

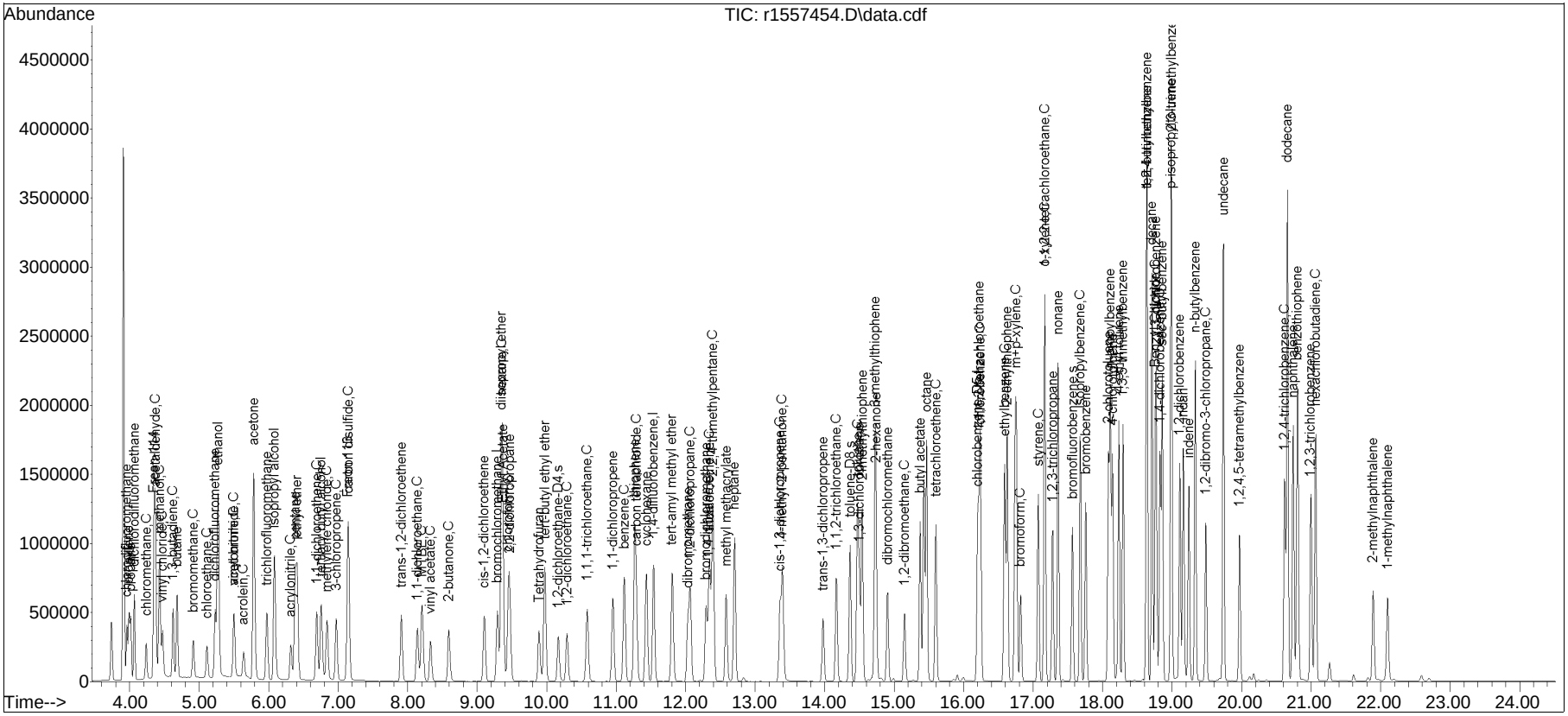
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.242	115	729045	9.818	ppbV	95
111) 1,2-dibromo-3-chloropr...	19.483	75	327123	10.482	ppbV	96
112) undecane	19.742	57	1258315	9.808	ppbV	92
113) 1,2,4,5-tetramethylben...	19.967	119	611114	9.369	ppbV	96
114) dodecane	20.658	57	1370110	10.409	ppbV	92
115) 1,2,4-trichlorobenzene	20.617	180	493305	10.561	ppbV	98
116) naphthalene	20.742	128	1569456	10.522	ppbV	98
117) 1,2,3-trichlorobenzene	20.992	180	475263	10.309	ppbV	98
118) benzothiophene	20.800	134	1807171	11.348	ppbV	99
119) hexachlorobutadiene	21.067	225	413386	10.345	ppbV	93
120) 2-methylnaphthalene	21.892	142	415550	11.965	ppbV	96
121) 1-methylnaphthalene	22.100	142	377639	12.039	ppbV	94

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557454.D
Acq On : 31 Oct 2025 4:43 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD010
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

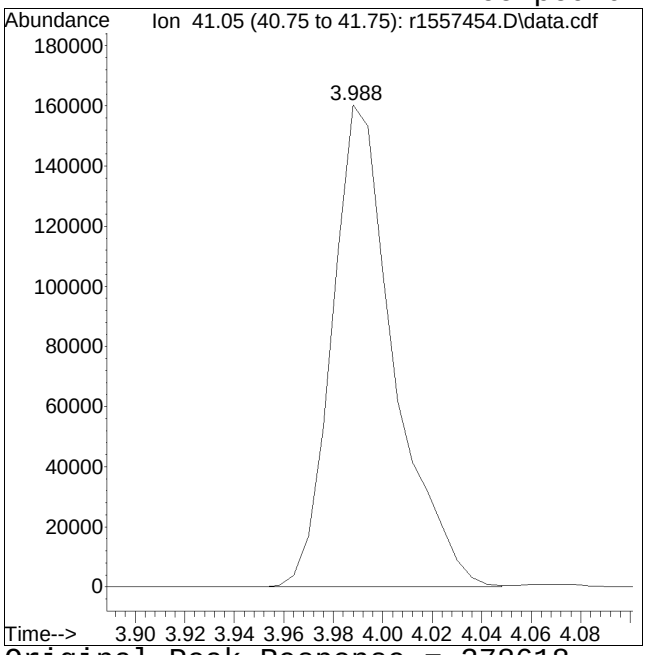
Quant Time: Oct 31 16:00:36 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Sep 24 13:20:08 2025
Response via : Initial Calibration



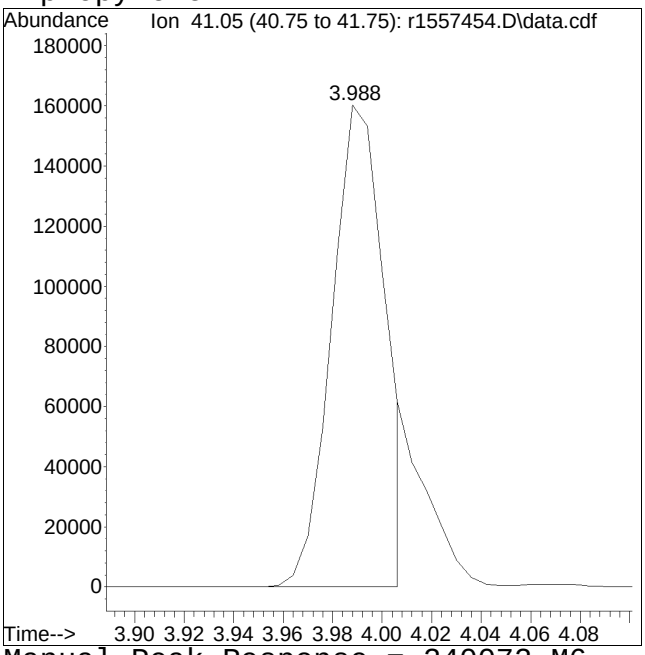
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557454.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:43 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 10/31/2025 4:00 pm

Compound #3: propylene



Original Peak Response = 278618



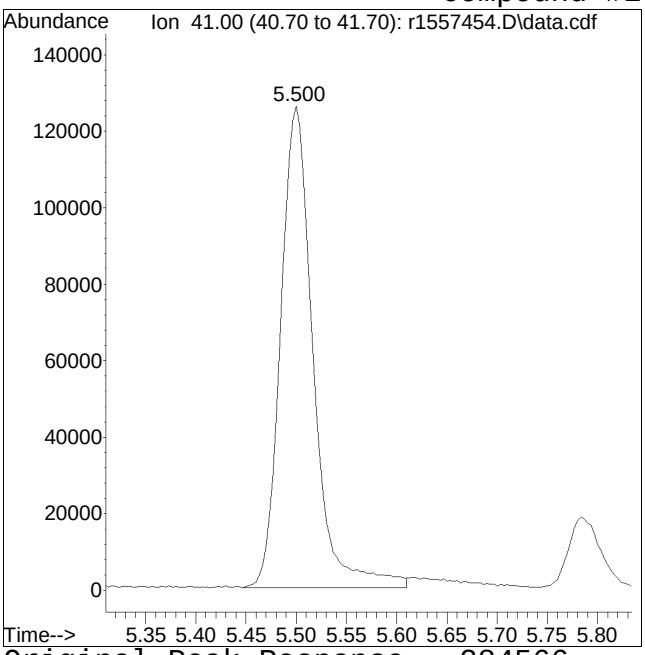
Manual Peak Response = 240072 M6

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

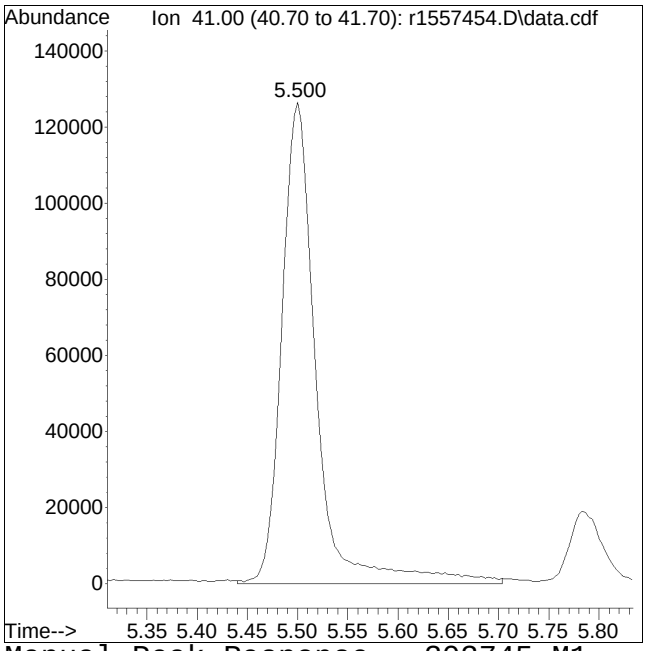
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557454.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:43 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 10/31/2025 4:00 pm

Compound #20: acetonitrile



Original Peak Response = 284566



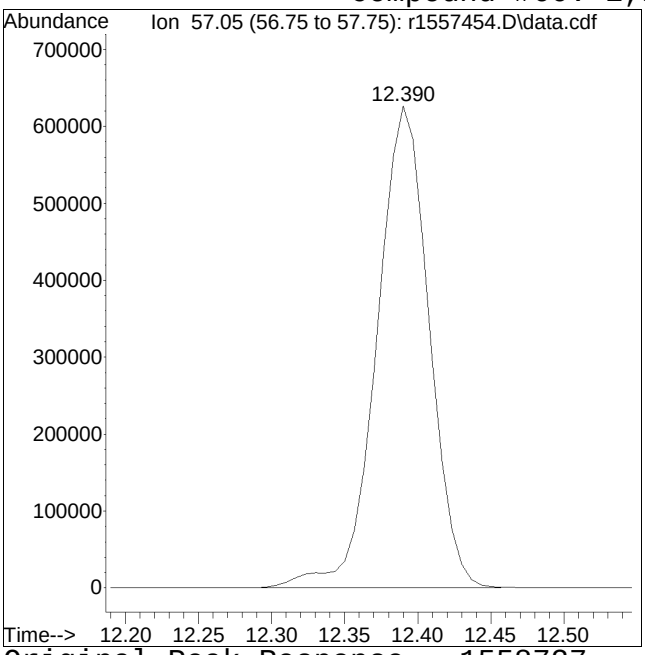
Manual Peak Response = 303745 M1

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

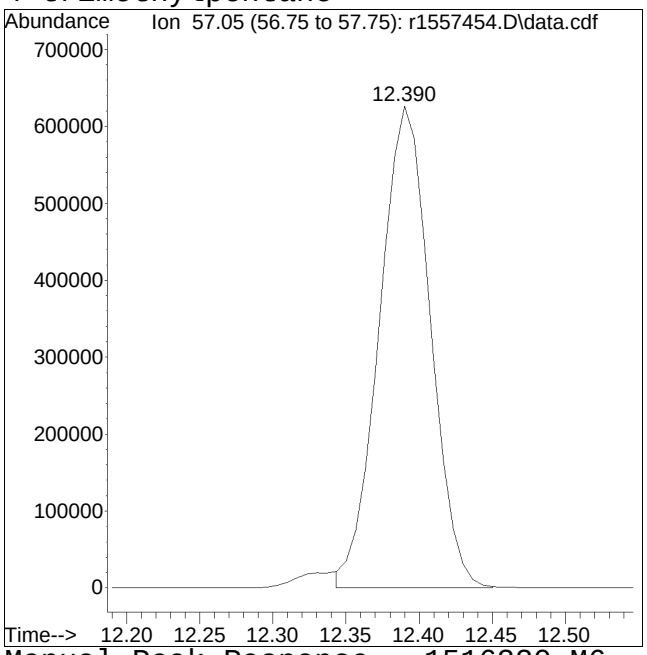
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557454.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:43 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 10/31/2025 4:00 pm

Compound #60: 2,2,4-trimethylpentane



Original Peak Response = 1558727



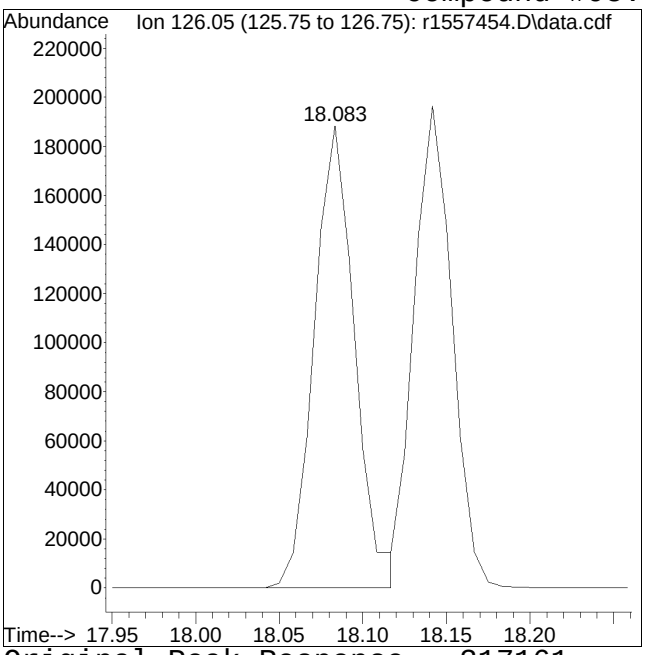
Manual Peak Response = 1516220 M6

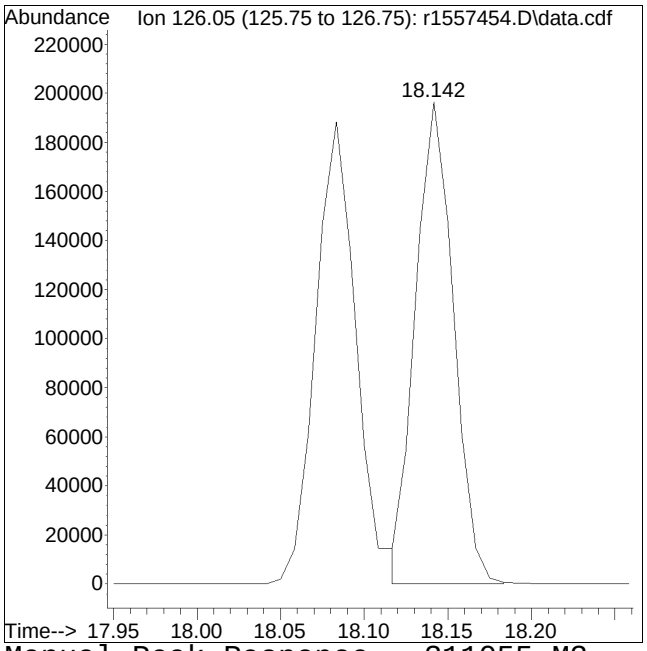
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557454.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:43 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 10/31/2025 4:00 pm

Compound #95: 4-chlorotoluene





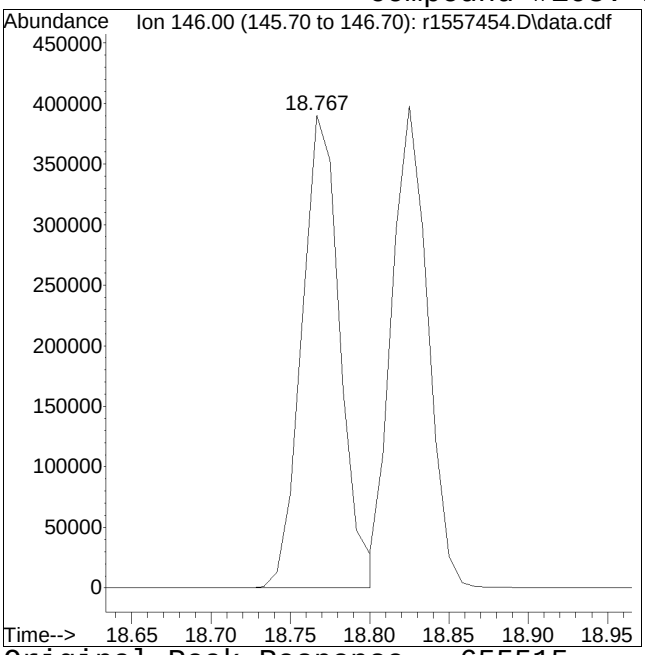
Original Peak Response = 317161 Manual Peak Response = 311055 M3

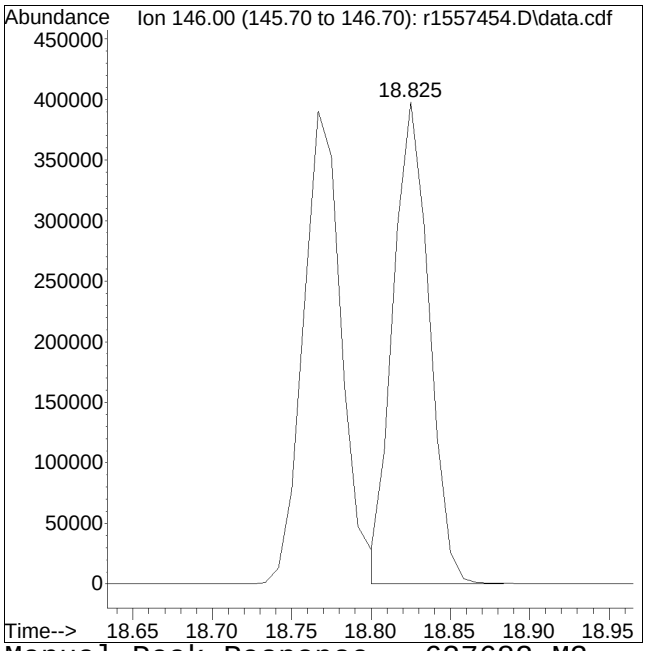
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557454.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 4:43 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 10/31/2025 4:00 pm

Compound #103: 1,4-dichlorobenzene





Original Peak Response = 655515 Manual Peak Response = 627682 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\Airlab15\2025\10\1030T_I\
Data File : r1557455.D
Acq On : 31 Oct 2025 5:20 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD020
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:37 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.292	49	372988	10.000	ppbV	0.00
Standard Area = 378452			Recovery = 98.56%			
43) 1,4-difluorobenzene	11.537	114	770396	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 98.69%			
67) chlorobenzene-D5	16.200	54	174337	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 99.88%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.167	65	253474	10.090	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.90%			
69) toluene-D8	14.367	98	738456	10.155	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.55%			
90) bromofluorobenzene	17.567	95	465873	9.817	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.17%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.958	51	743901	20.149	ppbV	100
3) propylene	3.988	41	519180M6	21.943	ppbV	
4) propane	4.012	29	672772	20.602	ppbV	97
5) dichlorodifluoromethane	4.066	85	929041	19.691	ppbV	100
6) chloromethane	4.234	50	505137	19.853	ppbV	100
7) Freon-114	4.348	85	1039696	19.916	ppbV	98
8) methanol	4.426	31	1561330	105.610	ppbV	99
9) vinyl chloride	4.474	62	602690	20.276	ppbV	100
10) 1,3-butadiene	4.624	54	465893	20.217	ppbV	97
11) butane	4.678	43	897988	20.887	ppbV	99
12) acetaldehyde	4.366	29	1622319	100.458	ppbV	98
13) bromomethane	4.912	94	392305	20.154	ppbV	98
14) chloroethane	5.110	64	286138	20.491	ppbV	100
15) ethanol	5.270	31	3051652	94.011	ppbV	99
16) dichlorofluoromethane	5.230	67	779303	21.978	ppbV	100
17) vinyl bromide	5.500	106	367587	20.549	ppbV	98
18) acrolein	5.637	56	285025	20.936	ppbV	96
19) acetone	5.780	43	3693503	101.223	ppbV	98
20) acetonitrile	5.497	41	588290	19.652	ppbV	100
21) trichlorofluoromethane	5.973	101	813816	19.850	ppbV	97
22) isopropyl alcohol	6.080	45	2321897	51.485	ppbV	99
23) acrylonitrile	6.317	53	487655	21.437	ppbV	97
24) pentane	6.380	43	1344666	21.924	ppbV	99

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557455.D
Acq On : 31 Oct 2025 5:20 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD020
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:37 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.403	31	1605559	21.717	ppbV	98
26) 1,1-dichloroethene	6.690	61	795465	20.318	ppbV	99
27) tertiary butyl alcohol	6.750	59	1185625	21.797	ppbV	99
28) methylene chloride	6.834	49	632069	20.102	ppbV	100
29) 3-chloropropene	6.972	41	794760	20.652	ppbV	100
30) carbon disulfide	7.140	76	1253080	20.611	ppbV	98
31) Freon 113	7.140	101	782689	20.374	ppbV	99
32) trans-1,2-dichloroethene	7.908	61	746215	20.904	ppbV	97
33) 1,1-dichloroethane	8.133	63	943342	20.393	ppbV	100
34) MTBE	8.200	73	1197899	20.493	ppbV	100
35) vinyl acetate	8.325	43	1235247	23.639	ppbV	100
36) 2-butanone	8.583	43	1265274	20.547	ppbV	100
37) cis-1,2-dichloroethene	9.100	61	747956	20.535	ppbV	96
38) Ethyl Acetate	9.367	61	187820	20.948	ppbV	78
39) chloroform	9.450	83	871721	19.758	ppbV	99
40) Tetrahydrofuran	9.883	42	637074	20.564	ppbV	98
41) 2,2-dichloropropane	9.467	77	714306	20.575	ppbV	98
42) 1,2-dichloroethane	10.292	62	647652	20.036	ppbV	99
44) hexane	9.350	57	971837	20.530	ppbV	91
45) diisopropyl ether	9.350	87	444474	20.968	ppbV	99
46) tert-butyl ethyl ether	9.967	59	1872786	21.092	ppbV	100
48) 1,1,1-trichloroethane	10.583	97	836531	21.932	ppbV	99
49) 1,1-dichloropropene	10.950	75	713948	20.600	ppbV	99
50) benzene	11.117	78	1583447	20.185	ppbV	100
51) thiophene	11.263	84	1332506	17.958	ppbV	98
52) carbon tetrachloride	11.290	117	671898	20.166	ppbV	97
53) cyclohexane	11.430	56	1038809	20.729	ppbV	97
54) tert-amyl methyl ether	11.803	73	1412197	20.934	ppbV	100
55) dibromomethane	12.030	93	495919	20.978	ppbV	98
56) 1,2-dichloropropane	12.063	63	628071	20.494	ppbV	97
57) bromodichloromethane	12.290	83	892808	20.461	ppbV	98
58) 1,4-dioxane	12.323	88	366988	21.661	ppbV	98
59) trichloroethene	12.343	130	597177	20.698	ppbV	98
60) 2,2,4-trimethylpentane	12.390	57	3195422	21.354	ppbV	100
61) methyl methacrylate	12.577	41	854535	21.040	ppbV	99
62) heptane	12.703	43	1142402	20.399	ppbV	100
63) cis-1,3-dichloropropene	13.358	75	785097	20.551	ppbV	99
64) 4-methyl-2-pentanone	13.392	43	1420874	20.688	ppbV	98
65) trans-1,3-dichloropropene	13.975	75	590658	20.524	ppbV	99
66) 1,1,2-trichloroethane	14.167	97	564487	20.252	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557455.D
Acq On : 31 Oct 2025 5:20 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD020
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:37 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	toluene	14.467	91	1868910	20.254	ppbV	99
70)	2-methylthiophene	14.533	97	1692319	17.817	ppbV	98
71)	1,3-dichloropropane	14.492	76	879591	20.196	ppbV	98
72)	2-hexanone	14.733	43	1355747	20.849	ppbV	96
73)	3-methylthiophene	14.725	97	1730529	17.830	ppbV	100
74)	dibromochloromethane	14.900	129	807775	20.733	ppbV	99
75)	1,2-dibromoethane	15.150	107	793876	20.298	ppbV	98
76)	butyl acetate	15.367	73	228539	21.109	ppbV	93
77)	octane	15.467	85	688821	20.600	ppbV	97
78)	tetrachloroethene	15.600	166	652157	19.980	ppbV	98
79)	1,1,1,2-tetrachloroethane	16.225	131	626625	21.244	ppbV	99
80)	chlorobenzene	16.242	112	1362217	20.292	ppbV	99
81)	ethylbenzene	16.592	91	2444620	20.052	ppbV	99
82)	2-ethylthiophene	16.625	97	2028130	17.588	ppbV	99
83)	m+p-xylene	16.750	91	3879946	39.911	ppbV	98
84)	bromoform	16.817	173	642937	21.147	ppbV	96
85)	styrene	17.075	104	1381396	20.268	ppbV	97
86)	1,1,2,2-tetrachloroethane	17.167	83	1400820	20.273	ppbV	100
87)	o-xylene	17.167	91	1976980	19.977	ppbV	100
88)	1,2,3-trichloropropane	17.275	75	1066866	20.295	ppbV	98
89)	nonane	17.358	43	1766103	20.401	ppbV	99
91)	isopropylbenzene	17.675	105	2386850	20.447	ppbV	97
92)	bromobenzene	17.758	77	1414481	20.490	ppbV	98
93)	2-chlorotoluene	18.083	126	641590	20.254	ppbV	98
94)	n-propylbenzene	18.108	120	740931	20.575	ppbV	95
95)	4-chlorotoluene	18.142	126	661173	21.282	ppbV	96
96)	4-ethyl toluene	18.233	105	2357768	19.626	ppbV	99
97)	1,3,5-trimethylbenzene	18.292	105	1991888	19.788	ppbV	99
98)	tert-butylbenzene	18.633	119	2210648	21.037	ppbV	99
99)	1,2,4-trimethylbenzene	18.633	105	2124989	20.134	ppbV	99
100)	decane	18.708	57	2167913	20.269	ppbV	99
101)	Benzyl Chloride	18.758	91	1796695	21.107	ppbV	100
102)	1,3-dichlorobenzene	18.767	146	1330183	20.317	ppbV	98
103)	1,4-dichlorobenzene	18.825	146	1269670	20.252	ppbV	96
104)	sec-butylbenzene	18.858	105	3039243	20.611	ppbV	100
105)	1,2,3-trimethylbenzene	18.992	105	2263629	20.394	ppbV	99
106)	p-isopropyltoluene	18.983	119	2741387	20.154	ppbV	97
107)	1,2-dichlorobenzene	19.108	146	1334621	19.473	ppbV	99
108)	n-butylbenzene	19.333	91	2562766	20.291	ppbV	100
109)	indan	19.158	117	1828973	20.260	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557455.D
Acq On : 31 Oct 2025 5:20 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD020
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:37 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

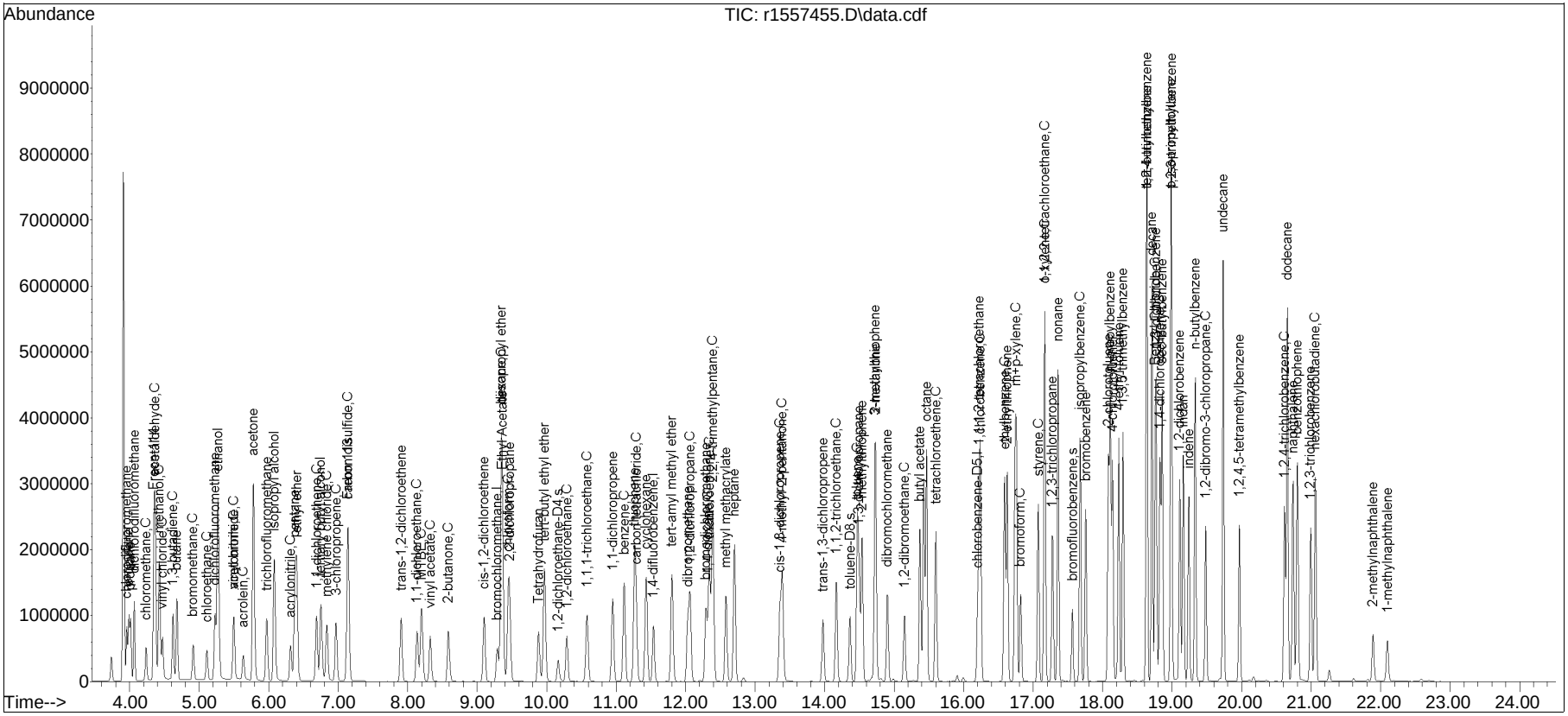
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	19.242	115	1481402	20.344	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.483	75	646415	19.785	ppbV	98
112) undecane	19.733	57	2395261	19.059	ppbV	99
113) 1,2,4,5-tetramethylben...	19.967	119	1278069	20.939	ppbV	98
114) dodecane	20.658	57	2265911	16.558	ppbV	99
115) 1,2,4-trichlorobenzene	20.617	180	882487	17.911	ppbV	98
116) naphthalene	20.742	128	2710260	17.290	ppbV	100
117) 1,2,3-trichlorobenzene	20.992	180	812051	17.107	ppbV	94
118) benzothiophene	20.800	134	2717414	15.055	ppbV	100
119) hexachlorobutadiene	21.058	225	700554	16.967	ppbV	96
120) 2-methylnaphthalene	21.892	142	457003	11.011	ppbV	98
121) 1-methylnaphthalene	22.100	142	410020	10.871	ppbV	98

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557455.D
Acq On : 31 Oct 2025 5:20 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD020
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:37 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

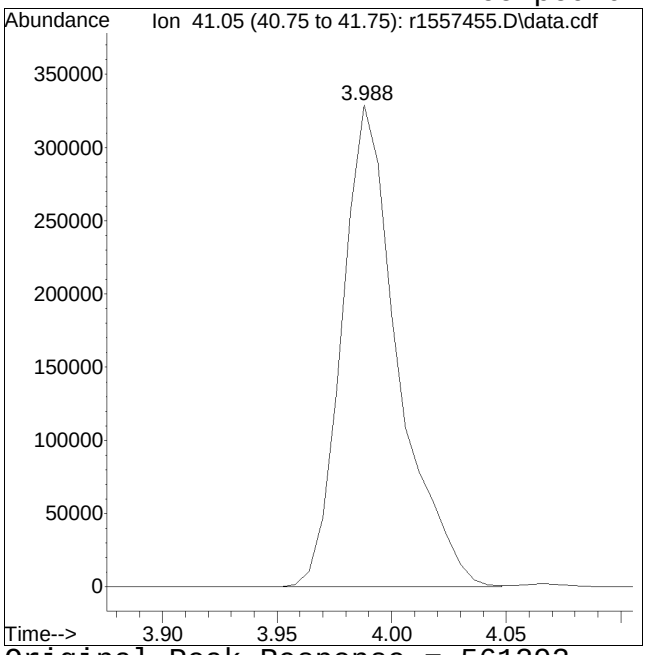


Manual Integration Report

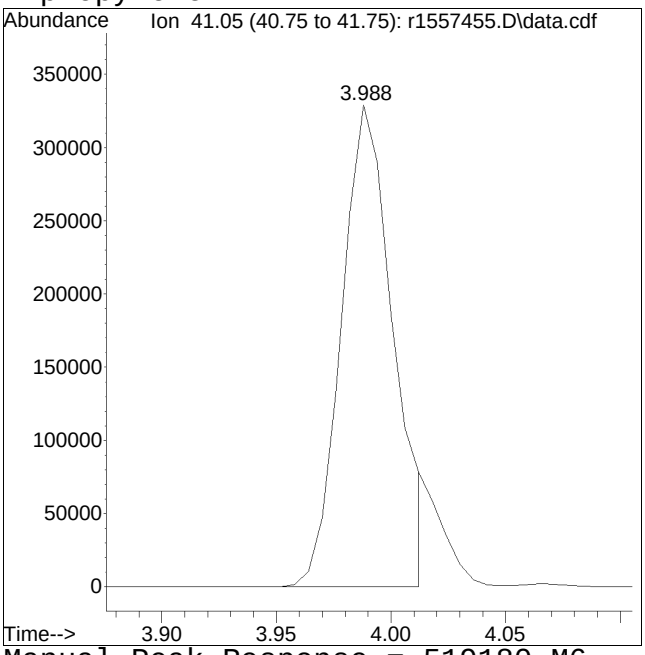
Data Path : X:\Airlab\Data\Airlab15\20Q
Data File : r1557455.D
Date Inj'd : 10/31/2025 5:20 AM
Sample : ITO15-SIMSTD020

Method : TFS15_251030.M
Operator : AIRLAB15:RAY
Instrument :
Quant Date : 10/31/2025 4:05 pm

Compound #3: propylene



Original Peak Response = 561292



Manual Peak Response = 519180 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557456.D
Acq On : 31 Oct 2025 5:58 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD050
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:49 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.292	49	365185	10.000	ppbV	0.00
Standard Area = 378452			Recovery = 96.49%			
43) 1,4-difluorobenzene	11.537	114	767798	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 98.36%			
67) chlorobenzene-D5	16.200	54	181497	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 103.98%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.167	65	248098	9.909	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.09%			
69) toluene-D8	14.367	98	738583	9.756	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.56%			
90) bromofluorobenzene	17.567	95	522068	10.567	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.67%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.958	51	1608545	44.500	ppbV	99
3) propylene	3.988	41	1234636M6	53.296	ppbV	
4) propane	4.018	29	1602698	50.127	ppbV	99
5) dichlorodifluoromethane	4.066	85	2178315	47.157	ppbV	99
6) chloromethane	4.240	50	1214752	48.761	ppbV	99
7) Freon-114	4.354	85	2450824	47.949	ppbV	98
8) methanol	4.432	31	3709761	256.293	ppbV	99
9) vinyl chloride	4.474	62	1452570	49.912	ppbV	100
10) 1,3-butadiene	4.624	54	1109139	49.158	ppbV	94
11) butane	4.684	43	2176118	51.697	ppbV	100
12) acetaldehyde	4.372	29	3684809	233.047	ppbV	95
13) bromomethane	4.918	94	935735	49.098	ppbV	96
14) chloroethane	5.116	64	693289	50.708	ppbV	99
15) ethanol	5.283	31	7971177	250.811	ppbV	94
16) dichlorofluoromethane	5.236	67	1638656	47.200	ppbV	99
17) vinyl bromide	5.503	106	889149	50.767	ppbV	97
18) acrolein	5.640	56	694007	52.067	ppbV	98
19) acetone	5.787	43	8817047	246.801	ppbV	95
20) acetonitrile	5.503	41	1463090	49.918	ppbV	99
21) trichlorofluoromethane	5.973	101	1933281	48.163	ppbV	99
22) isopropyl alcohol	6.093	45	5580943	126.394	ppbV	99
23) acrylonitrile	6.323	53	1366426	61.351	ppbV	98
24) pentane	6.383	43	3246519	54.065	ppbV	98

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557456.D
Acq On : 31 Oct 2025 5:58 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD050
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:49 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.407	31	3820068	52.774	ppbV	98
26) 1,1-dichloroethene	6.696	61	1925777	50.240	ppbV	99
27) tertiary butyl alcohol	6.762	59	2914736	54.730	ppbV	98
28) methylene chloride	6.846	49	1489744	48.391	ppbV	99
29) 3-chloropropene	6.978	41	1922635	51.028	ppbV	99
30) carbon disulfide	7.146	76	3040647	51.082	ppbV	97
31) Freon 113	7.146	101	1920029	51.049	ppbV	98
32) trans-1,2-dichloroethene	7.908	61	1808986	51.758	ppbV	99
33) 1,1-dichloroethane	8.142	63	2279176	50.323	ppbV	100
34) MTBE	8.200	73	2875970	50.252	ppbV	100
35) vinyl acetate	8.325	43	3297916	64.460	ppbV	99
36) 2-butanone	8.592	43	3068127	50.887	ppbV	100
37) cis-1,2-dichloroethene	9.108	61	1809541	50.741	ppbV	98
38) Ethyl Acetate	9.375	61	470535	53.602	ppbV	85
39) chloroform	9.450	83	2049893	47.455	ppbV	99
40) Tetrahydrofuran	9.883	42	1546207	50.977	ppbV	98
41) 2,2-dichloropropane	9.467	77	1697979	49.954	ppbV	98
42) 1,2-dichloroethane	10.292	62	1551748	49.031	ppbV	99
44) hexane	9.350	57	2352448	49.864	ppbV	80
45) diisopropyl ether	9.350	87	1080183	51.130	ppbV	91
46) tert-butyl ethyl ether	9.967	59	4485235	50.685	ppbV	99
48) 1,1,1-trichloroethane	10.583	97	1948779	51.265	ppbV	98
49) 1,1-dichloropropene	10.950	75	1709183	49.482	ppbV	100
50) benzene	11.117	78	3756087	48.043	ppbV	99
51) thiophene	11.270	84	3185230	43.073	ppbV	97
52) carbon tetrachloride	11.290	117	1580689	47.603	ppbV	96
53) cyclohexane	11.430	56	2511439	50.284	ppbV	98
54) tert-amyl methyl ether	11.803	73	3419863	50.867	ppbV	99
55) dibromomethane	12.037	93	1205874	51.184	ppbV	99
56) 1,2-dichloropropane	12.070	63	1542085	50.489	ppbV	98
57) bromodichloromethane	12.297	83	2104236	48.387	ppbV	97
58) 1,4-dioxane	12.323	88	902811	53.468	ppbV	97
59) trichloroethene	12.343	130	1454571	50.586	ppbV	99
60) 2,2,4-trimethylpentane	12.390	57	7474394	50.118	ppbV	99
61) methyl methacrylate	12.583	41	2089860	51.629	ppbV	99
62) heptane	12.703	43	2752370	49.314	ppbV	98
63) cis-1,3-dichloropropene	13.358	75	1912390	50.229	ppbV	99
64) 4-methyl-2-pentanone	13.392	43	3437273	50.216	ppbV	96
65) trans-1,3-dichloropropene	13.975	75	1447997	50.485	ppbV	99
66) 1,1,2-trichloroethane	14.167	97	1377637	49.592	ppbV	100

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557456.D
Acq On : 31 Oct 2025 5:58 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD050
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:49 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	14.475	91	4503352	46.879	ppbV		100
70) 2-methylthiophene	14.542	97	4099217	41.455	ppbV		99
71) 1,3-dichloropropane	14.500	76	2103589	46.395	ppbV		99
72) 2-hexanone	14.733	43	3316605	48.992	ppbV	#	94
73) 3-methylthiophene	14.725	97	4224235	41.807	ppbV		98
74) dibromochloromethane	14.908	129	1949177	48.056	ppbV		99
75) 1,2-dibromoethane	15.150	107	1919802	47.149	ppbV		99
76) butyl acetate	15.375	73	554171	49.166	ppbV		96
77) octane	15.467	85	1678894	48.229	ppbV		98
78) tetrachloroethene	15.600	166	1621591	47.720	ppbV		99
79) 1,1,1,2-tetrachloroethane	16.225	131	1526523	49.711	ppbV		98
80) chlorobenzene	16.242	112	3289877	47.073	ppbV		99
81) ethylbenzene	16.592	91	5944524	46.836	ppbV		99
82) 2-ethylthiophene	16.625	97	4988030	41.550	ppbV		98
83) m+p-xylene	16.750	91	9378755	92.668	ppbV		98
84) bromoform	16.825	173	1618005	51.118	ppbV		99
85) styrene	17.075	104	3398970	47.903	ppbV		97
86) 1,1,2,2-tetrachloroethane	17.167	83	3411246	47.421	ppbV		99
87) o-xylene	17.167	91	4723582	45.849	ppbV		95
88) 1,2,3-trichloropropane	17.283	75	2598265	47.477	ppbV		99
89) nonane	17.358	43	4285172	47.548	ppbV		95
91) isopropylbenzene	17.675	105	5845853	48.103	ppbV		99
92) bromobenzene	17.758	77	3431686	47.751	ppbV		95
93) 2-chlorotoluene	18.083	126	1623541	49.230	ppbV		93
94) n-propylbenzene	18.108	120	1874990	50.013	ppbV		90
95) 4-chlorotoluene	18.142	126	1664332	51.457	ppbV		94
96) 4-ethyl toluene	18.233	105	5791361	46.305	ppbV		99
97) 1,3,5-trimethylbenzene	18.292	105	4912845	46.881	ppbV		99
98) tert-butylbenzene	18.633	119	5355189	48.951	ppbV		98
99) 1,2,4-trimethylbenzene	18.633	105	5350297	48.693	ppbV		97
100) decane	18.708	57	5392021	48.424	ppbV		99
101) Benzyl Chloride	18.758	91	4719968	53.261	ppbV		98
102) 1,3-dichlorobenzene	18.767	146	3342026	49.031	ppbV		97
103) 1,4-dichlorobenzene	18.825	146	3280126	50.257	ppbV		93
104) sec-butylbenzene	18.858	105	7453522	48.553	ppbV		97
105) 1,2,3-trimethylbenzene	18.992	105	5635319	48.767	ppbV		97
106) p-isopropyltoluene	18.983	119	6642494	46.907	ppbV		94
107) 1,2-dichlorobenzene	19.108	146	3167175	44.387	ppbV		95
108) n-butylbenzene	19.333	91	6404221	48.705	ppbV		95
109) indan	19.158	117	4293232	45.681	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557456.D
Acq On : 31 Oct 2025 5:58 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD050
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:05:49 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

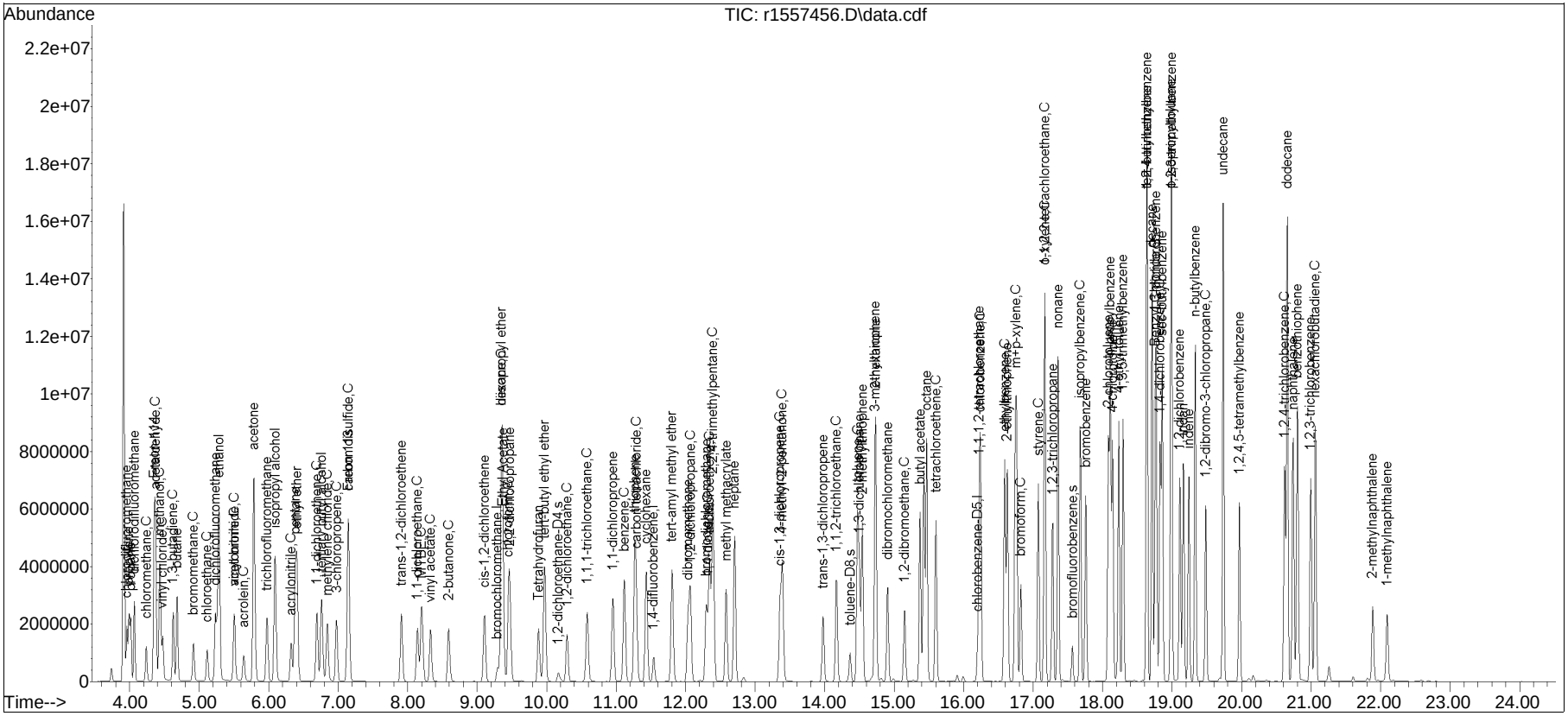
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.242	115	3727912	49.176	ppbV		98
111) 1,2-dibromo-3-chloropr...	19.483	75	1661525	48.847	ppbV		97
112) undecane	19.733	57	6234457	47.649	ppbV	#	98
113) 1,2,4,5-tetramethylben...	19.967	119	3308927	52.073	ppbV		96
114) dodecane	20.658	57	6453761	45.300	ppbV		100
115) 1,2,4-trichlorobenzene	20.617	180	2529812	49.319	ppbV		98
116) naphthalene	20.742	128	7549285	46.260	ppbV		99
117) 1,2,3-trichlorobenzene	20.992	180	2466975	49.920	ppbV		98
118) benzothiophene	20.800	134	7919065	42.142	ppbV		99
119) hexachlorobutadiene	21.058	225	2034881	47.340	ppbV		94
120) 2-methylnaphthalene	21.883	142	1639479	37.943	ppbV		99
121) 1-methylnaphthalene	22.092	142	1446562	36.839	ppbV		94

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557456.D
Acq On : 31 Oct 2025 5:58 AM
Operator : AIRLAB15:RAY
Sample : ITO15-SIMSTD050
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

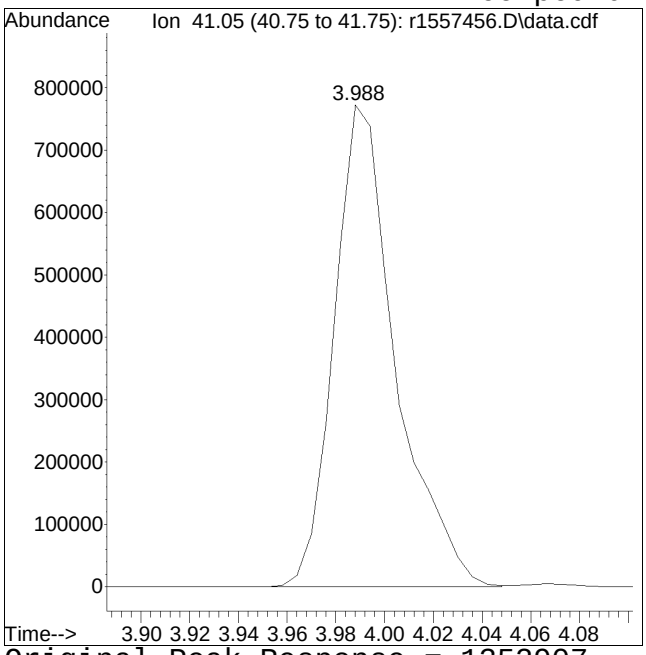
Quant Time: Oct 31 16:05:49 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration



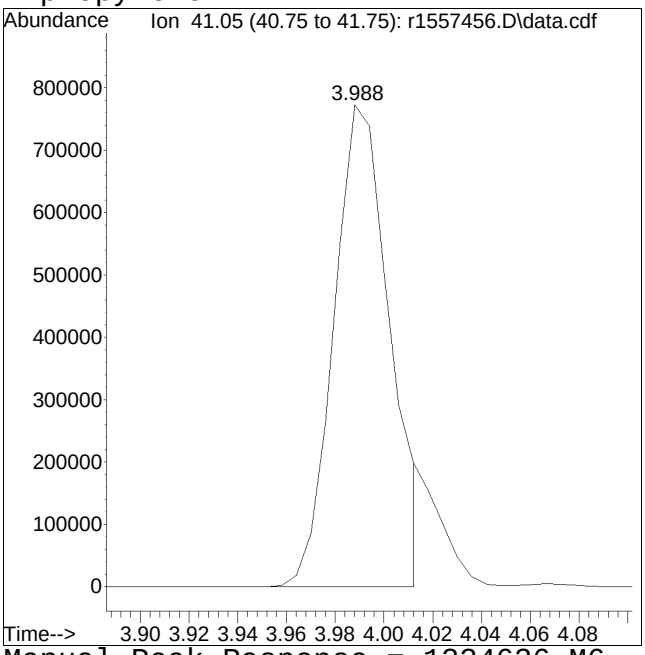
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557456.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 5:58 AM Instrument :
Sample : ITO15-SIMSTD050 Quant Date : 10/31/2025 4:05 pm

Compound #3: propylene



Original Peak Response = 1352907



Manual Peak Response = 1234636 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557457.D
Acq On : 31 Oct 2025 6:38 AM
Operator : AIRLAB15:RAY
Sample : ITO15-LLSTD100
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:06:01 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.300	49	371529	10.000	ppbV	0.00
Standard Area = 378452			Recovery = 98.17%			
43) 1,4-difluorobenzene	11.543	114	769570	10.000	ppbV	0.00
Standard Area = 780590			Recovery = 98.59%			
67) chlorobenzene-D5	16.200	54	176359	10.000	ppbV	0.00
Standard Area = 174548			Recovery = 101.04%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.175	65	252971	10.080	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
69) toluene-D8	14.367	98	750141	10.197	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%			
90) bromofluorobenzene	17.567	95	508369	10.590	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.90%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.970	51	3339547	90.811	ppbV	98
3) propylene	4.000	41	2437650M6	103.430	ppbV	
4) propane	4.024	29	3151616	96.889	ppbV	96
5) dichlorodifluoromethane	4.078	85	4220455	89.805	ppbV	99
6) chloromethane	4.246	50	2396103	94.540	ppbV	99
7) Freon-114	4.360	85	4695224	90.292	ppbV	100
8) methanol	4.450	31	7151706	485.647	ppbV	99
9) vinyl chloride	4.486	62	2903484	98.063	ppbV	100
10) 1,3-butadiene	4.636	54	2146728	93.520	ppbV	89
11) butane	4.690	43	4366070	101.951	ppbV	99
12) acetaldehyde	4.384	29	6811673	423.450	ppbV	89
13) bromomethane	4.930	94	1826367	94.193	ppbV	97
14) chloroethane	5.128	64	1405390	101.037	ppbV	99
15) ethanol	5.303	31	15569128	481.513	ppbV	89
16) dichlorofluoromethane	5.242	67	2873150	81.346	ppbV	100
17) vinyl bromide	5.513	106	1783155	100.072	ppbV	93
18) acrolein	5.653	56	1414164	104.285	ppbV	95
19) acetone	5.800	43	17477292	480.860	ppbV	92
20) acetonitrile	5.520	41	2981054	99.972	ppbV	99
21) trichlorofluoromethane	5.987	101	3884227	95.113	ppbV	98
22) isopropyl alcohol	6.110	45	11186282	249.014	ppbV	98
23) acrylonitrile	6.337	53	2779029	122.645	ppbV	98
24) pentane	6.393	43	6693793	109.569	ppbV	98

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557457.D
Acq On : 31 Oct 2025 6:38 AM
Operator : AIRLAB15:RAY
Sample : ITO15-LLSTD100
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:06:01 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	6.417	31	7333376	99.581	ppbV	95
26) 1,1-dichloroethene	6.702	61	3927166	100.703	ppbV	98
27) tertiary butyl alcohol	6.774	59	5925709	109.368	ppbV	98
28) methylene chloride	6.852	49	2935531	93.726	ppbV	98
29) 3-chloropropene	6.984	41	3902634	101.810	ppbV	99
30) carbon disulfide	7.158	76	6288378	103.839	ppbV	97
31) Freon 113	7.152	101	3976226	103.913	ppbV	94
32) trans-1,2-dichloroethene	7.917	61	3710334	104.346	ppbV	99
33) 1,1-dichloroethane	8.150	63	4639770	100.694	ppbV	100
34) MTBE	8.208	73	5810828	99.799	ppbV	99
35) vinyl acetate	8.342	43	6956943	133.657	ppbV	99
36) 2-butanone	8.600	43	6179319	100.739	ppbV	99
37) cis-1,2-dichloroethene	9.117	61	3684752	101.560	ppbV	99
38) Ethyl Acetate	9.383	61	1007318	112.792	ppbV	71
39) chloroform	9.467	83	4015636	91.375	ppbV	99
40) Tetrahydrofuran	9.892	42	3162729	102.491	ppbV	98
41) 2,2-dichloropropane	9.483	77	3383940	97.854	ppbV	99
42) 1,2-dichloroethane	10.300	62	3135121	97.370	ppbV	98
44) hexane	9.358	57	4738673	100.213	ppbV	75
45) diisopropyl ether	9.358	87	2220383	104.859	ppbV	85
46) tert-butyl ethyl ether	9.975	59	9093400	102.522	ppbV	99
48) 1,1,1-trichloroethane	10.592	97	3868900	101.542	ppbV	97
49) 1,1-dichloropropene	10.957	75	3395853	98.086	ppbV	99
50) benzene	11.123	78	7474353	95.383	ppbV	99
51) thiophene	11.277	84	6464769	87.221	ppbV	98
52) carbon tetrachloride	11.297	117	3111268	93.481	ppbV	96
53) cyclohexane	11.443	56	5022636	100.331	ppbV	98
54) tert-amyl methyl ether	11.810	73	6953698	103.190	ppbV	99
55) dibromomethane	12.043	93	2476410	104.870	ppbV	98
56) 1,2-dichloropropane	12.070	63	3250905	106.192	ppbV	96
57) bromodichloromethane	12.297	83	4215803	96.719	ppbV	99
58) 1,4-dioxane	12.330	88	1888457	111.585	ppbV	98
59) trichloroethene	12.350	130	3021310	104.831	ppbV	99
60) 2,2,4-trimethylpentane	12.397	57	14994092	100.307	ppbV	99
61) methyl methacrylate	12.590	41	4302831	106.055	ppbV	98
62) heptane	12.710	43	5589680	99.920	ppbV	98
63) cis-1,3-dichloropropene	13.358	75	3839249	100.606	ppbV	99
64) 4-methyl-2-pentanone	13.392	43	6960009	101.446	ppbV	96
65) trans-1,3-dichloropropene	13.983	75	2899748	100.868	ppbV	97
66) 1,1,2-trichloroethane	14.175	97	2873994	103.220	ppbV	96

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557457.D
Acq On : 31 Oct 2025 6:38 AM
Operator : AIRLAB15:RAY
Sample : ITO15-LLSTD100
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:06:01 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	toluene	14.475	91	9115335	97.653	ppbV		99
70)	2-methylthiophene	14.542	97	8487164	88.330	ppbV		99
71)	1,3-dichloropropane	14.508	76	4247789	96.416	ppbV		97
72)	2-hexanone	14.742	43	6868004	104.408	ppbV		96
73)	3-methylthiophene	14.725	97	8849354	90.133	ppbV		99
74)	dibromochloromethane	14.908	129	3933882	99.813	ppbV		94
75)	1,2-dibromoethane	15.150	107	3999083	101.077	ppbV		100
76)	butyl acetate	15.375	73	1148122	104.830	ppbV		94
77)	octane	15.467	85	3432954	101.490	ppbV		95
78)	tetrachloroethene	15.600	166	3287651	99.567	ppbV		98
79)	1,1,1,2-tetrachloroethane	16.233	131	3079062	103.189	ppbV		97
80)	chlorobenzene	16.250	112	6887293	101.417	ppbV		99
81)	ethylbenzene	16.592	91	11871753	96.261	ppbV		97
82)	2-ethylthiophene	16.633	97	10254766	87.911	ppbV		98
83)	m+p-xylene	16.758	91	18667876	189.825	ppbV		94
84)	bromoform	16.825	173	3383392	110.006	ppbV		97
85)	styrene	17.075	104	7081493	102.710	ppbV		93
86)	1,1,2,2-tetrachloroethane	17.167	83	6844205	97.916	ppbV		99
87)	o-xylene	17.175	91	9123373	91.135	ppbV		91
88)	1,2,3-trichloropropane	17.283	75	5260532	98.923	ppbV		98
89)	nonane	17.358	43	8767733	100.120	ppbV	#	98
91)	isopropylbenzene	17.683	105	11793403	99.870	ppbV		98
92)	bromobenzene	17.758	77	7047285	100.917	ppbV		93
93)	2-chlorotoluene	18.083	126	3431258	107.076	ppbV		83
94)	n-propylbenzene	18.108	120	3901028	107.086	ppbV	#	57
95)	4-chlorotoluene	18.142	126	3432971	109.232	ppbV		89
96)	4-ethyl toluene	18.233	105	11947959	98.313	ppbV		97
97)	1,3,5-trimethylbenzene	18.300	105	10045875	98.655	ppbV		99
98)	tert-butylbenzene	18.633	119	10113111	95.135	ppbV		94
99)	1,2,4-trimethylbenzene	18.642	105	10176069	95.311	ppbV		89
100)	decane	18.717	57	10651384	98.443	ppbV		92
101)	Benzyl Chloride	18.758	91	9760747	113.351	ppbV		94
102)	1,3-dichlorobenzene	18.775	146	6935717	104.719	ppbV		96
103)	1,4-dichlorobenzene	18.825	146	6909542	108.950	ppbV		95
104)	sec-butylbenzene	18.858	105	14475071	97.040	ppbV	#	86
105)	1,2,3-trimethylbenzene	18.992	105	10243079	91.224	ppbV		98
106)	p-isopropyltoluene	18.983	119	11908133	86.540	ppbV		94
107)	1,2-dichlorobenzene	19.117	146	5930205	85.532	ppbV		91
108)	n-butylbenzene	19.333	91	12587532	98.519	ppbV	#	85
109)	indan	19.167	117	7935961	86.900	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557457.D
Acq On : 31 Oct 2025 6:38 AM
Operator : AIRLAB15:RAY
Sample : ITO15-LLSTD100
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:06:01 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default - All compounds listed

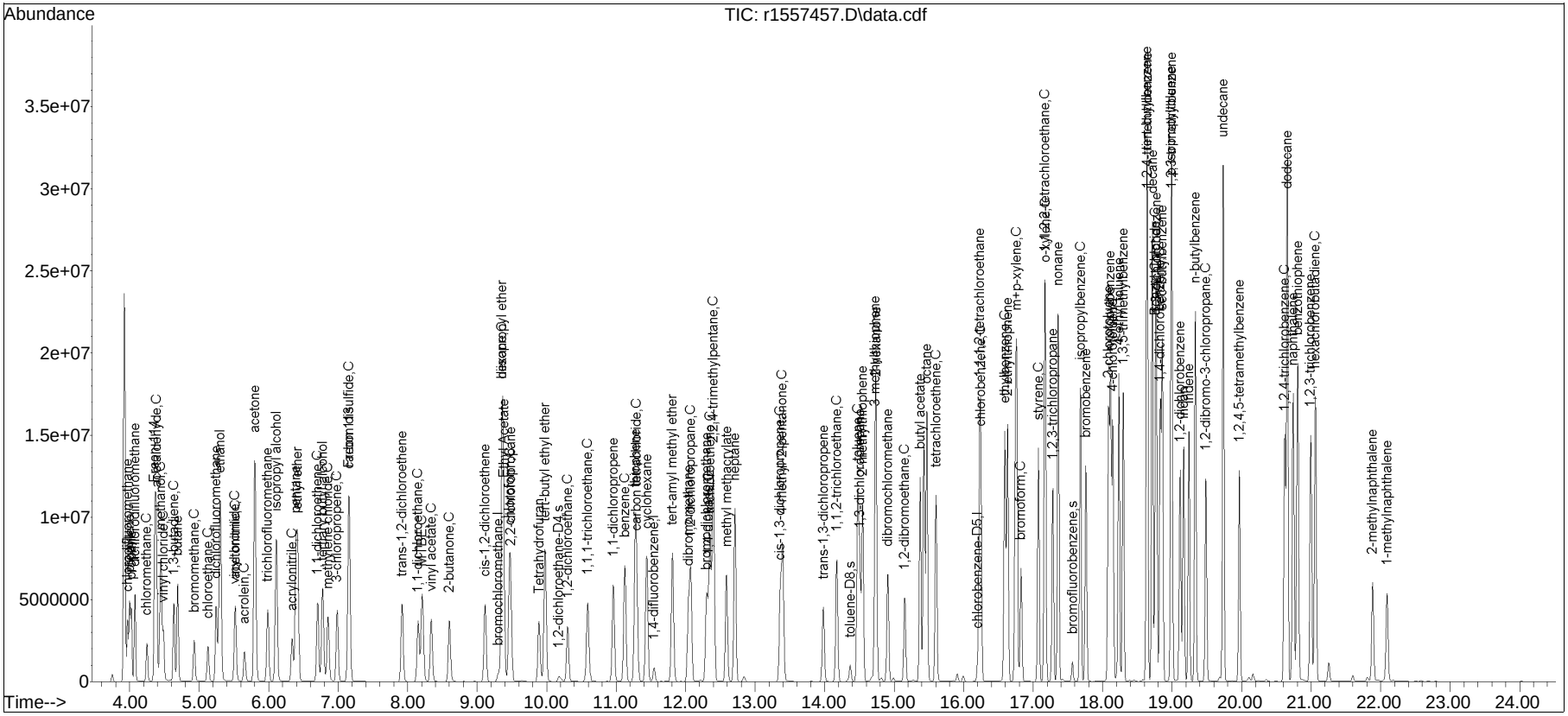
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	19.242	115	7613426	103.358	ppbV		98
111) 1,2-dibromo-3-chloropr...	19.483	75	3458210	104.630	ppbV		94
112) undecane	19.733	57	11925732	93.802	ppbV	#	89
113) 1,2,4,5-tetramethylben...	19.967	119	6770192	109.647	ppbV		94
114) dodecane	20.658	57	12525734	90.483	ppbV		87
115) 1,2,4-trichlorobenzene	20.617	180	5503813	110.424	ppbV		97
116) naphthalene	20.742	128	15203199	95.874	ppbV		96
117) 1,2,3-trichlorobenzene	20.992	180	5494005	114.412	ppbV		97
118) benzothiophene	20.808	134	15935490	87.274	ppbV	#	94
119) hexachlorobutadiene	21.058	225	4189779	100.312	ppbV		92
120) 2-methylnaphthalene	21.883	142	3725346	88.728	ppbV		99
121) 1-methylnaphthalene	22.092	142	3382367	88.646	ppbV		95

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

Sub List : Default - All compounds listed0\1030T_I\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557457.D
Acq On : 31 Oct 2025 6:38 AM
Operator : AIRLAB15:RAY
Sample : ITO15-LLSTD100
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Oct 31 16:06:01 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Oct 31 16:04:26 2025
Response via : Initial Calibration

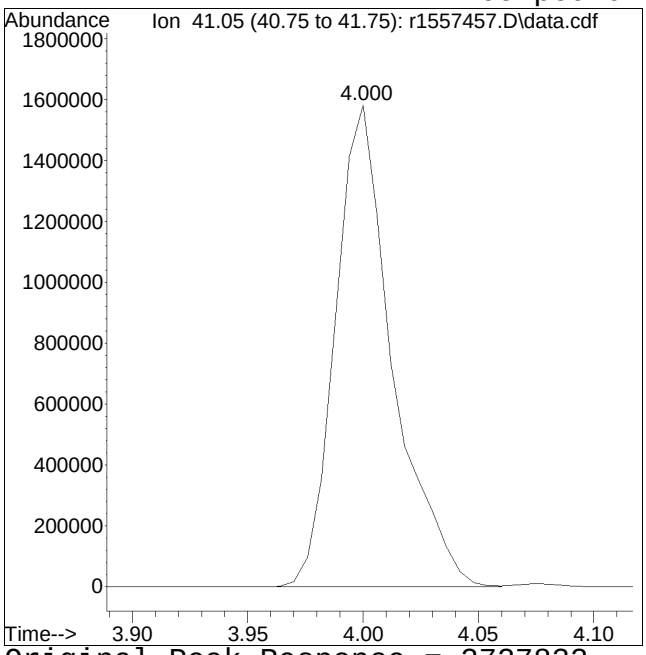


Manual Integration Report

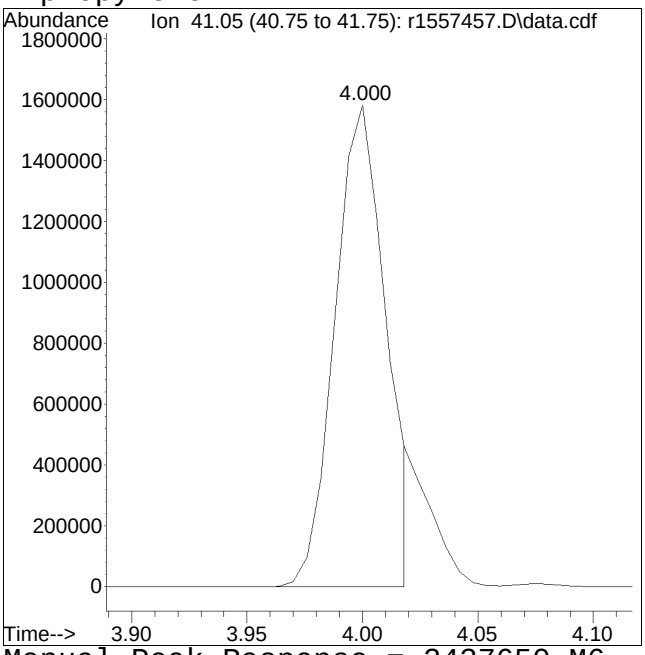
Data Path : X:\Airlab\Data\Airlab15\20Q
Data File : r1557457.D
Date Inj'd : 10/31/2025 6:38 AM
Sample : ITO15-LLSTD100

Method : TFS15_251030.M
Operator : AIRLAB15:RAY
Instrument :
Quant Date : 10/31/2025 4:06 pm

Compound #3: propylene



Original Peak Response = 2727832



Manual Peak Response = 2437650 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	99	-0.02
2		chlorodifluoromethane	0.995	0.943	5.2	95	0.00
3		propylene	0.694	0.709	-2.2	111	0.00
4		propane	0.893	0.858	3.9	97	-0.01
5		dichlorodifluoromethane	1.252	1.291	-3.1	101	0.00
6	C	chloromethane	0.675	0.661	2.1	96	-0.01
7		Freon-114	1.385	1.557	-12.4	110	-0.01
8	C	methanol	0.418	0.319	23.7	80	-0.01
9	C	vinyl chloride	0.788	0.842	-6.9	105	-0.01
10	C	1,3-butadiene	0.628	0.641	-2.1	103	-0.01
11		butane	1.203	1.146	4.7	99	-0.01
13	C	bromomethane	0.530	0.594	-12.1	113	-0.02
14	C	chloroethane	0.379	0.418	-10.3	111	-0.01
15		ethanol	0.823	0.688	16.4	78	-0.02
16		dichlorofluoromethane	1.096	1.236	-12.8	129	-0.02
17	C	vinyl bromide	0.483	0.517	-7.0	107	-0.01
18	C	acrolein	0.368	0.309	16.0	84	-0.01
19		acetone	0.991	0.944	4.7	96	-0.01
20	C	acetonitrile	0.737	0.661	10.3	82	-0.02
21		trichlorofluoromethane	1.093	1.176	-7.6	106	-0.02
22		isopropyl alcohol	1.262	1.162	7.9	95	-0.02
23	C	acrylonitrile	0.615	0.557	9.4	91	-0.02
24		pentane	1.731	1.529	11.7	92	-0.01
25		ethyl ether	1.923	1.849	3.8	93	-0.02
26	C	1,1-dichloroethene	1.047	1.172	-11.9	111	-0.02
27		tertiary butyl alcohol	1.506	1.356	10.0	92	-0.02
28	C	methylene chloride	0.832	0.882	-6.0	104	-0.02
29	C	3-chloropropene	1.050	1.137	-8.3	109	-0.02
30	C	carbon disulfide	1.616	1.703	-5.4	104	-0.02
31		Freon 113	1.042	1.126	-8.1	108	-0.01
32		trans-1,2-dichloroethene	0.959	1.053	-9.8	109	-0.02
33	C	1,1-dichloroethane	1.240	1.348	-8.7	108	-0.03
34	C	MTBE	1.568	1.681	-7.2	106	-0.03
35	C	vinyl acetate	1.501	0.953	36.5#	67	-0.02
36	C	2-butanone	1.609	1.542	4.2	93	-0.03
37		cis-1,2-dichloroethene	0.966	1.059	-9.6	108	-0.02
38		Ethyl Acetate	0.241	0.263	-9.1	108	-0.03
39	C	chloroform	1.162	1.202	-3.4	101	-0.02
40		Tetrahydrofuran	0.829	0.952	-14.8	114	-0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.932	0.872	6.4	93	-0.02
42	C	1,2-dichloroethane	0.860	0.892	-3.7	102	-0.02
43	I	1,4-difluorobenzene	1.000	1.000	0.0	101	-0.02
44	C	hexane	0.626	0.660	-5.4	108	-0.02
45		diisopropyl ether	0.279	0.263	5.7	97	-0.02
46		tert-butyl ethyl ether	1.158	1.112	4.0	97	-0.03
47	s	1,2-dichloroethane-D4	0.322	0.309	4.0	96	-0.02
48	C	1,1,1-trichloroethane	0.519	0.556	-7.1	113	-0.03
49		1,1-dichloropropene	0.449	0.441	1.8	99	-0.02
50	C	benzene	1.007	1.016	-0.9	101	-0.02
52	C	carbon tetrachloride	0.417	0.431	-3.4	101	-0.02
53		cyclohexane	0.653	0.698	-6.9	108	-0.03
54		tert-amyl methyl ether	0.878	0.855	2.6	99	-0.02
55		dibromomethane	0.313	0.297	5.1	98	-0.02
56	C	1,2-dichloropropane	0.399	0.420	-5.3	107	-0.02
57		bromodichloromethane	0.551	0.593	-7.6	106	-0.02
58	C	1,4-dioxane	0.225	0.234	-4.0	107	-0.03
59	C	trichloroethene	0.378	0.393	-4.0	106	-0.02
60	C	2,2,4-trimethylpentane	1.972	2.169	-10.0	113	-0.02
61		methyl methacrylate	0.523	0.493	5.7	94	-0.02
62		heptane	0.728	0.776	-6.6	108	-0.02
63	C	cis-1,3-dichloropropene	0.480	0.554	-15.4	113	-0.02
64	C	4-methyl-2-pentanone	0.884	0.926	-4.8	105	-0.02
65		trans-1,3-dichloropropene	0.357	0.454	-27.2	123	-0.02
66	C	1,1,2-trichloroethane	0.356	0.382	-7.3	106	-0.02
67	I	chlorobenzene-D5	1.000	1.000	0.0	101	-0.02
68	C	toluene	5.133	5.535	-7.8	106	-0.03
69	s	toluene-D8	4.064	3.999	1.6	97	-0.03
71		1,3-dichloropropane	2.407	2.255	6.3	92	-0.03
72		2-hexanone	3.573	3.748	-4.9	102	-0.03
74		dibromochloromethane	2.117	2.317	-9.4	105	-0.03
75	C	1,2-dibromoethane	2.161	2.387	-10.5	108	-0.03
76		butyl acetate	0.611	0.575	5.9	94	-0.02
77		octane	1.876	1.803	3.9	95	-0.02
78	C	tetrachloroethene	1.826	1.897	-3.9	103	-0.02
79		1,1,1,2-tetrachloroethane	1.655	1.622	2.0	97	-0.02
80	C	chlorobenzene	3.723	3.902	-4.8	103	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	C	ethylbenzene	6.651	7.116	-7.0	103	-0.02
83	C	m+p-xylene	5.281	5.724	-8.4	104	-0.02
84	C	bromoform	1.646	1.840	-11.8	107	-0.02
85	C	styrene	3.751	4.095	-9.2	106	-0.02
86	C	1,1,2,2-tetrachloroethane	3.748	4.032	-7.6	103	-0.02
87	C	o-xylene	5.345	5.867	-9.8	105	-0.02
88		1,2,3-trichloropropane	2.917	2.763	5.3	93	-0.02
89		nonane	4.875	4.694	3.7	96	-0.02
90	s	bromofluorobenzene	2.693	2.565	4.8	96	-0.02
91	C	isopropylbenzene	6.556	6.385	2.6	97	-0.02
92		bromobenzene	3.898	3.680	5.6	94	-0.02
93		2-chlorotoluene	1.772	1.696	4.3	95	-0.02
94		n-propylbenzene	2.041	1.903	6.8	93	-0.02
95		4-chlorotoluene	1.792	1.612	10.0	92	-0.02
96		4-ethyl toluene	6.815	6.981	-2.4	103	-0.02
97		1,3,5-trimethylbenzene	5.708	6.190	-8.4	109	-0.02
98		tert-butylbenzene	5.972	5.826	2.4	98	-0.02
99		1,2,4-trimethylbenzene	6.086	6.413	-5.4	107	0.00
100		decane	5.906	5.708	3.4	94	-0.02
101	C	Benzyl Chloride	4.532	3.947	12.9	82	-0.02
102		1,3-dichlorobenzene	3.564	3.842	-7.8	104	-0.02
103	C	1,4-dichlorobenzene	3.533	3.763	-6.5	106	-0.02
104		sec-butylbenzene	8.278	7.785	6.0	93	-0.02
106		p-isopropyltoluene	7.635	7.181	5.9	93	-0.02
107		1,2-dichlorobenzene	3.604	3.927	-9.0	101	-0.02
108		n-butylbenzene	6.955	7.107	-2.2	100	-0.02
111	C	1,2-dibromo-3-chloropropane	1.763	1.544	12.4	84	-0.02
112		undecane	6.762	6.626	2.0	93	-0.02
114		dodecane	7.086	6.718	5.2	87	-0.02
115	C	1,2,4-trichlorobenzene	2.433	2.818	-15.8	101	-0.02
116		naphthalene	8.842	7.243	18.1	82	-0.02
117		1,2,3-trichlorobenzene	2.375	2.329	1.9	87	-0.02
119	C	hexachlorobutadiene	2.090	2.338	-11.9	100	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.275	49	375385	10.000	ppbV	-0.02
Standard Area = 378452			Recovery = 99.19%			
43) 1,4-difluorobenzene	11.517	114	788080	10.000	ppbV	-0.02
Standard Area = 780590			Recovery = 100.96%			
67) chlorobenzene-D5	16.183	54	177049	10.000	ppbV	-0.02
Standard Area = 174548			Recovery = 101.43%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	10.142	65	243133	9.567	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.67%			
69) toluene-D8	14.342	98	707931	9.840	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%			
90) bromofluorobenzene	17.550	95	454149	9.524	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.24%			
Target Compounds						Qvalue
2) chlorodifluoromethane	3.952	51	354074	9.478	ppbV	98
3) propylene	3.982	41	265973M6	10.210	ppbV	
4) propane	4.006	29	322199	9.607	ppbV	98
5) dichlorodifluoromethane	4.060	85	484520	10.310	ppbV	99
6) chloromethane	4.228	50	248228	9.802	ppbV	99
7) Freon-114	4.336	85	584644	11.242	ppbV	95
8) methanol	4.420	31	597913	38.132	ppbV	98
9) vinyl chloride	4.462	62	315904	10.683	ppbV	99
10) 1,3-butadiene	4.612	54	240690	10.216	ppbV	92
11) butane	4.672	43	430145	9.527	ppbV	99
13) bromomethane	4.900	94	222810	11.201	ppbV	98
14) chloroethane	5.098	64	156966	11.045	ppbV	100
15) ethanol	5.254	31	1290501	41.769	ppbV	100
16) dichlorofluoromethane	5.212	67	463885	11.276	ppbV	99
17) vinyl bromide	5.487	106	194138	10.706	ppbV	97
18) acrolein	5.623	56	115922	8.380	ppbV	94
19) acetone	5.770	43	1771568	47.631	ppbV	100
20) acetonitrile	5.483	41	247977	8.959	ppbV	99
21) trichlorofluoromethane	5.957	101	441328	10.758	ppbV	98
22) isopropyl alcohol	6.063	45	1090426	23.017	ppbV	99
23) acrylonitrile	6.300	53	209188	9.055	ppbV	98
24) pentane	6.370	43	573802	8.831	ppbV	99
25) ethyl ether	6.393	31	694142	9.615	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 1,1-dichloroethene	6.672	61	439773	11.193	ppbV	100
27) tertiary butyl alcohol	6.732	59	509137	9.006	ppbV	98
28) methylene chloride	6.822	49	331206	10.602	ppbV	99
29) 3-chloropropene	6.954	41	426750	10.830	ppbV	99
30) carbon disulfide	7.128	76	639114	10.539	ppbV	99
31) Freon 113	7.128	101	422802	10.811	ppbV	97
32) trans-1,2-dichloroethene	7.892	61	395247	10.981	ppbV	99
33) 1,1-dichloroethane	8.117	63	505866	10.870	ppbV	100
34) MTBE	8.183	73	631082	10.725	ppbV	99
35) vinyl acetate	8.308	43	357884	6.353	ppbV	100
36) 2-butanone	8.567	43	578884	9.585	ppbV	99
37) cis-1,2-dichloroethene	9.083	61	397623	10.964	ppbV	97
38) Ethyl Acetate	9.350	61	98644	10.887	ppbV	88
39) chloroform	9.425	83	451356	10.343	ppbV	99
40) Tetrahydrofuran	9.867	42	357256	11.480	ppbV	98
41) 2,2-dichloropropane	9.450	77	327398	9.358	ppbV	99
42) 1,2-dichloroethane	10.267	62	334782	10.367	ppbV	99
44) hexane	9.333	57	520373	10.540	ppbV	85
45) diisopropyl ether	9.333	87	207489	9.434	ppbV	96
46) tert-butyl ethyl ether	9.950	59	876391	9.602	ppbV	100
48) 1,1,1-trichloroethane	10.558	97	437865	10.705	ppbV	97
49) 1,1-dichloropropene	10.930	75	347445	9.808	ppbV	99
50) benzene	11.097	78	800722	10.086	ppbV	99
52) carbon tetrachloride	11.270	117	339506	10.321	ppbV	97
53) cyclohexane	11.410	56	549788	10.675	ppbV	97
54) tert-amyl methyl ether	11.783	73	673766	9.736	ppbV	99
55) dibromomethane	12.010	93	234177	9.507	ppbV	97
56) 1,2-dichloropropane	12.043	63	331001	10.524	ppbV	97
57) bromodichloromethane	12.270	83	467664	10.777	ppbV	99
58) 1,4-dioxane	12.303	88	184488	10.400	ppbV	97
59) trichloroethene	12.323	130	309988	10.404	ppbV	97
60) 2,2,4-trimethylpentane	12.370	57	1709367	11.001	ppbV	100
61) methyl methacrylate	12.563	41	388338	9.413	ppbV	100
62) heptane	12.683	43	611264	10.653	ppbV	100
63) cis-1,3-dichloropropene	13.333	75	436746	11.542	ppbV	100
64) 4-methyl-2-pentanone	13.375	43	729710	10.478	ppbV	99
65) trans-1,3-dichloropropene	13.958	75	358101	12.740	ppbV	100
66) 1,1,2-trichloroethane	14.150	97	300698	10.710	ppbV	98
68) toluene	14.450	91	980048	10.785	ppbV	97
71) 1,3-dichloropropane	14.475	76	399252	9.368	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 2-hexanone	14.717	43	663580	10.491	ppbV	99
74) dibromochloromethane	14.883	129	410159	10.945	ppbV	98
75) 1,2-dibromoethane	15.125	107	422619	11.047	ppbV	98
76) butyl acetate	15.358	73	101866	9.423	ppbV	98
77) octane	15.450	85	319171	9.608	ppbV	98
78) tetrachloroethene	15.583	166	335825	10.386	ppbV	99
79) 1,1,1,2-tetrachloroethane	16.208	131	287256	9.805	ppbV	99
80) chlorobenzene	16.225	112	690765	10.479	ppbV	99
81) ethylbenzene	16.575	91	1259912	10.700	ppbV	97
83) m+p-xylene	16.733	91	2026798	21.677	ppbV	100
84) bromoform	16.800	173	325815	11.177	ppbV	98
85) styrene	17.058	104	724964	10.917	ppbV	95
86) 1,1,2,2-tetrachloroethane	17.150	83	713876	10.758	ppbV	99
87) o-xylene	17.150	91	1038801	10.978	ppbV	99
88) 1,2,3-trichloropropane	17.267	75	489255	9.473	ppbV	99
89) nonane	17.342	43	831083	9.628	ppbV	95
91) isopropylbenzene	17.658	105	1130510	9.739	ppbV	97
92) bromobenzene	17.742	77	651507	9.441	ppbV	97
93) 2-chlorotoluene	18.067	126	300212	9.568	ppbV	97
94) n-propylbenzene	18.092	120	336846	9.321	ppbV	89
95) 4-chlorotoluene	18.125	126	285441	8.999	ppbV	98
96) 4-ethyl toluene	18.217	105	1235944	10.243	ppbV	99
97) 1,3,5-trimethylbenzene	18.275	105	1095946	10.844	ppbV	100
98) tert-butylbenzene	18.617	119	1031465	9.755	ppbV	99
99) 1,2,4-trimethylbenzene	18.625	105	1135418	10.537	ppbV	91
100) decane	18.692	57	1010639	9.666	ppbV	99
101) Benzyl Chloride	18.742	91	698865	8.709	ppbV	99
102) 1,3-dichlorobenzene	18.750	146	680288	10.781	ppbV	99
103) 1,4-dichlorobenzene	18.808	146	666240	10.651	ppbV	95
104) sec-butylbenzene	18.842	105	1378239	9.404	ppbV	97
106) p-isopropyltoluene	18.967	119	1271406	9.405	ppbV	98
107) 1,2-dichlorobenzene	19.092	146	695192	10.895	ppbV	97
108) n-butylbenzene	19.317	91	1258268	10.218	ppbV	99
111) 1,2-dibromo-3-chloropr...	19.467	75	273284	8.756	ppbV	97
112) undecane	19.725	57	1173148	9.800	ppbV	99
114) dodecane	20.642	57	1189465	9.481	ppbV	99
115) 1,2,4-trichlorobenzene	20.600	180	499010	11.582	ppbV	98
116) naphthalene	20.725	128	1282357	8.191	ppbV	100
117) 1,2,3-trichlorobenzene	20.975	180	412284	9.804	ppbV	98
119) hexachlorobutadiene	21.042	225	413854	11.183	ppbV	94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\10\1030T_I\r1557454.D
Sub List : Default-ICV-AP2 - All compounds listed

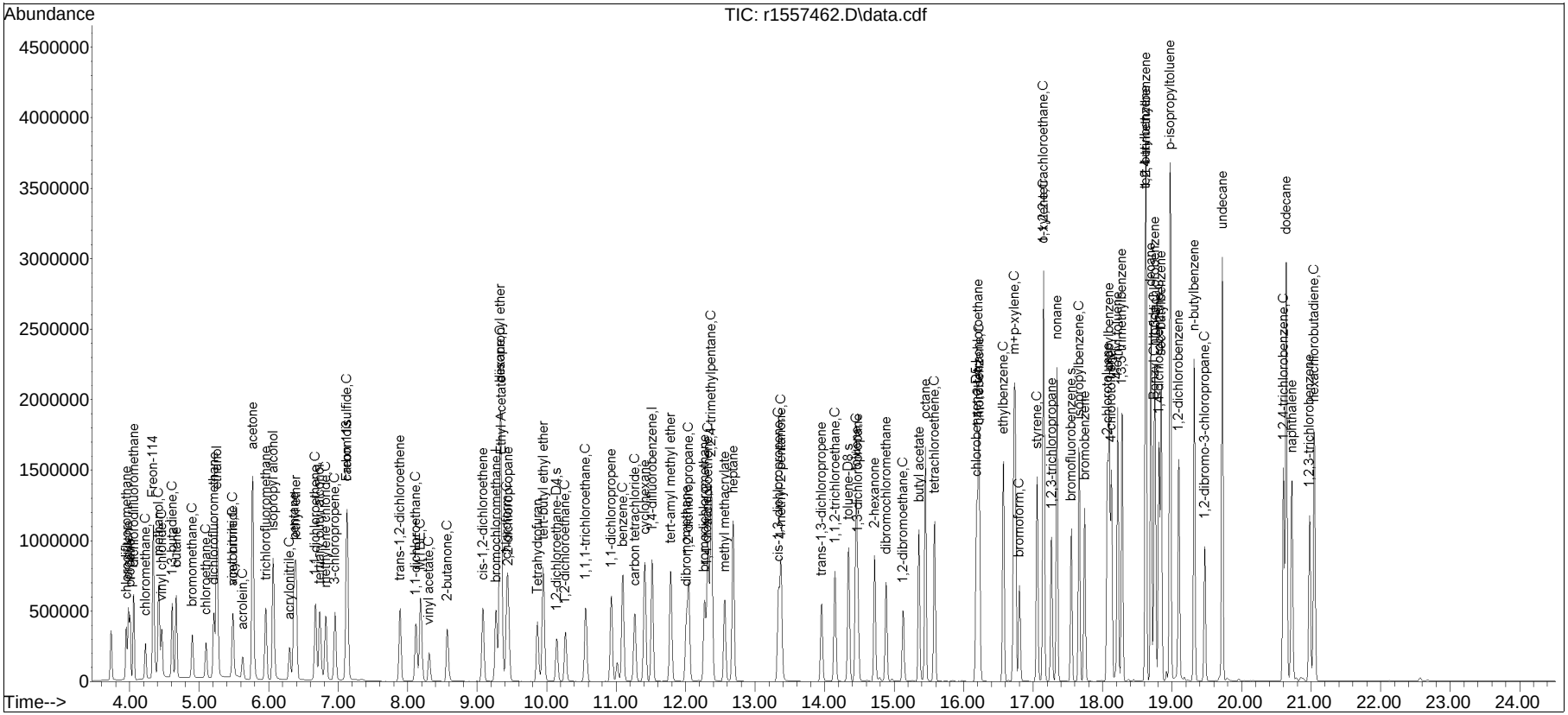
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sub List : Default-ICV-AP2 - All compounds listedI\r1557454.D

Data Path : X:\Airlab\Data\Airlab15\2025\10\1030T_I\
Data File : r1557462.D
Acq On : 31 Oct 2025 8:26 PM
Operator : AIRLAB15:RAY
Sample : CTO15-LLSTD10.0
Misc : WG2136263
ALS Vial : 0 Sample Multiplier: 1

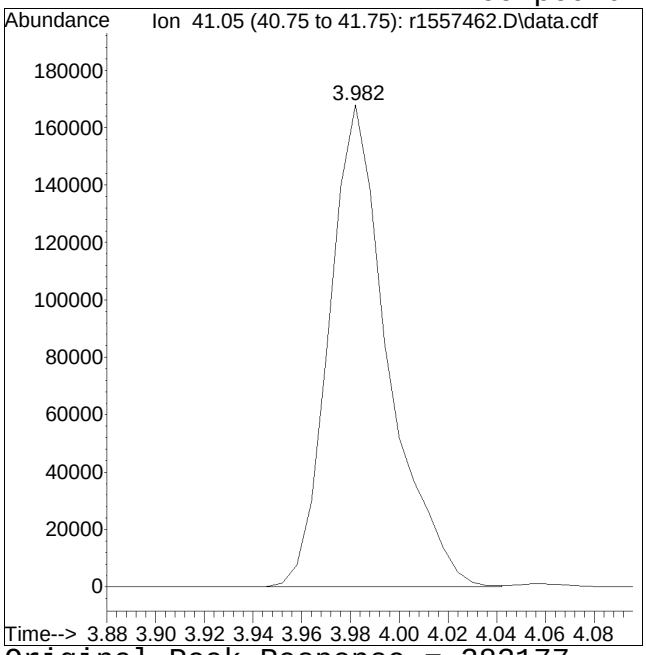
Quant Time: Nov 03 09:23:19 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\10\1030T_I\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration



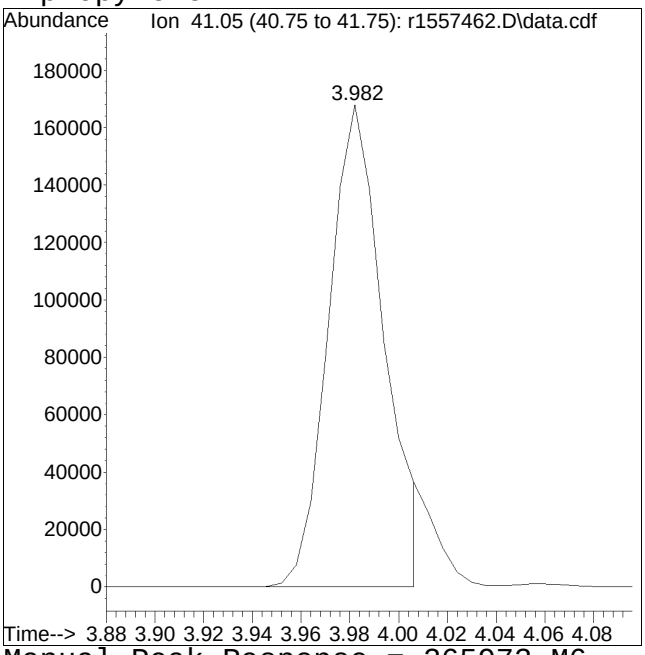
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1557462.D Operator : AIRLAB15:RAY
Date Inj'd : 10/31/2025 8:26 PM Instrument :
Sample : CTO15-LLSTD10.0 Quant Date : 11/3/2025 9:23 am

Compound #3: propylene



Original Peak Response = 283177



Manual Peak Response = 265973 M6

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB23		**Calibration Date**	: 12/18/25 11:24	
Lab File ID	: R237332		**Init. Calib. Date(s)**	: 11/21/25	11/22/25
Sample No	: WG2155905-2		**Init. Calib. Times**	: 22:35	03:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	95	0
chlorodifluoromethane	1.046	0.887	-	15.2	30	88	0
propylene	0.406	0.406	-	0	30	111	0
propane	0.294	0.233	-	20.7	30	81	0
dichlorodifluoromethane	2.704	2.335	-	13.6	30	88	0
chloromethane	0.75	0.689	-	8.1	30	92	0
Freon-114	3.241	2.684	-	17.2	30	81	0
methanol	0.192	0.151	-	21.4	30	78	0
vinyl chloride	0.996	0.872	-	12.4	30	87	0
1,3-butadiene	0.64	0.541	-	15.5	30	90	0
butane	1.207	0.984	-	18.5	30	82	0
bromomethane	1.216	0.993	-	18.3	30	80	0
chloroethane	0.584	0.512	-	12.3	30	85	0
ethanol	0.386	0.321	-	16.8	30	81	0
dichlorofluoromethane	1.983	1.864	-	6	30	96	0
vinyl bromide	0.922	0.845	-	8.4	30	97	0
acrolein	0.325	0.324	-	0.3	30	98	0
acetone	0.977	0.858	-	12.2	30	96	0
acetonitrile	0.523	0.479	-	8.4	30	99	0
trichlorofluoromethane	2.884	2.47	-	14.4	30	86	0
isopropyl alcohol	1.028	0.917	-	10.8	30	101	0
acrylonitrile	0.565	0.533	-	5.7	30	96	0
pentane	1.122	1.041	-	7.2	30	95	0
ethyl ether	0.536	0.411	-	23.3	30	80	0
1,1-dichloroethene	1.54	1.449	-	5.9	30	90	0
tertiary butyl alcohol	1.29	0.98	-	24	30	82	0
methylene chloride	0.868	0.774	-	10.8	30	93	0
3-chloropropene	0.699	0.591	-	15.5	30	94	0
carbon disulfide	2.309	2.159	-	6.5	30	100	0
Freon 113	2.315	1.986	-	14.2	30	88	0
trans-1,2-dichloroethene	1.128	1.024	-	9.2	30	95	0
1,1-dichloroethane	1.587	1.495	-	5.8	30	93	0
MTBE	2.386	2.014	-	15.6	30	89	0
vinyl acetate	1.375	1.189	-	13.5	30	98	0
2-butanone	1.247	1.13	-	9.4	30	95	0
cis-1,2-dichloroethene	1.219	1.113	-	8.7	30	90	0
Ethyl Acetate	0.233	0.223	-	4.3	30	100	0
chloroform	2.253	1.94	-	13.9	30	87	0
Tetrahydrofuran	0.644	0.523	-	18.8	30	93	0
2,2-dichloropropane	1.804	1.486	-	17.6	30	82	0
1,2-dichloroethane	1.34	1.147	-	14.4	30	84	0
1,4-difluorobenzene	1	1	-	0	30	92	0
hexane	0.266	0.258	-	3	30	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB23		**Calibration Date**	: 12/18/25 11:24	
Lab File ID	: R237332		**Init. Calib. Date(s)**	: 11/21/25	11/22/25
Sample No	: WG2155905-2		**Init. Calib. Times**	: 22:35	03:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.21	0.191	-	9	30	84	0
tert-butyl ethyl ether	0.613	0.571	-	6.9	30	87	0
1,1,1-trichloroethane	0.615	0.529	-	14	30	82	0
1,1-dichloropropene	0.373	0.341	-	8.6	30	84	0
benzene	0.729	0.712	-	2.3	30	91	0
carbon tetrachloride	0.675	0.562	-	16.7	30	80	0
cyclohexane	0.267	0.254	-	4.9	30	98	0
tert-amyl methyl ether	0.661	0.582	-	12	30	82	0
dibromomethane	0.347	0.311	-	10.4	30	83	0
1,2-dichloropropane	0.229	0.23	-	-0.4	30	95	0
bromodichloromethane	0.55	0.488	-	11.3	30	88	0
1,4-dioxane	0.162	0.15	-	7.4	30	92	0
trichloroethene	0.435	0.382	-	12.2	30	83	0
2,2,4-trimethylpentane	0.822	0.794	-	3.4	30	98	0
methyl methacrylate	0.223	0.193	-	13.5	30	83	0
heptane	0.252	0.228	-	9.5	30	93	0
cis-1,3-dichloropropene	0.392	0.379	-	3.3	30	88	0
4-methyl-2-pentanone	0.366	0.338	-	7.7	30	90	0
trans-1,3-dichloropropene	0.311	0.3	-	3.5	30	86	0
1,1,2-trichloroethane	0.36	0.335	-	6.9	30	87	0
chlorobenzene-D5	1	1	-	0	30	80	0
toluene	6.923	7.204	-	-4.1	30	86	0
1,3-dichloropropane	2.996	3.208	-	-7.1	30	89	0
2-hexanone	2.486	2.462	-	1	30	87	0
dibromochloromethane	4.772	4.614	-	3.3	30	85	0
1,2-dibromoethane	4.07	4.128	-	-1.4	30	82	0
butyl acetate	0.818	0.843	-	-3.1	30	85	0
octane	2.082	2.122	-	-1.9	30	86	0
tetrachloroethene	4.343	4.263	-	1.8	30	83	0
1,1,1,2-tetrachloroethane	3.57	3.466	-	2.9	30	80	0
chlorobenzene	5.831	5.969	-	-2.4	30	85	0
ethylbenzene	8.851	9.36	-	-5.8	30	86	0
m+p-xylene	6.723	6.951	-	-3.4	30	86	0
bromoform	4.794	4.785	-	0.2	30	89	0
styrene	5.282	5.557	-	-5.2	30	85	0
1,1,2,2-tetrachloroethane	4.893	5.407	-	-10.5	30	91	0
o-xylene	6.795	7.036	-	-3.5	30	86	0
1,2,3-trichloropropane	3.422	3.634	-	-6.2	30	89	0
nonane	2.774	2.805	-	-1.1	30	87	0
isopropylbenzene	9.569	10.099	-	-5.5	30	85	0
bromobenzene	4.326	4.588	-	-6.1	30	89	0
2-chlorotoluene	2.813	2.501	-	11.1	30	75	0
n-propylbenzene	2.855	2.613	-	8.5	30	76	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB23		**Calibration Date**	: 12/18/25 11:24	
Lab File ID	: R237332		**Init. Calib. Date(s)**	: 11/21/25	11/22/25
Sample No	: WG2155905-2		**Init. Calib. Times**	: 22:35	03:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.624	2.337	-	10.9	30	73	0
4-ethyl toluene	8.937	8.572	-	4.1	30	84	0
1,3,5-trimethylbenzene	7.528	7.11	-	5.6	30	76	0
tert-butylbenzene	9.051	8.632	-	4.6	30	76	0
1,2,4-trimethylbenzene	8.044	8.013	-	0.4	30	78	0
decane	3.569	3.691	-	-3.4	30	87	0
Benzyl Chloride	5.745	6.106	-	-6.3	30	84	0
1,3-dichlorobenzene	6.386	5.752	-	9.9	30	74	0
1,4-dichlorobenzene	6.118	5.485	-	10.3	30	72	0
sec-butylbenzene	11.521	11.097	-	3.7	30	79	0
p-isopropyltoluene	10.926	10.807	-	1.1	30	77	0
1,2-dichlorobenzene	6.036	5.449	-	9.7	30	74	0
n-butylbenzene	8.824	9.018	-	-2.2	30	81	0
1,2-dibromo-3-chloropropan	2.395	2.362	-	1.4	30	78	0
undecane	5.43	6.518	-	-20	30	94	0
dodecane	3.566	4.605	-	-29.1	30	94	0
1,2,4-trichlorobenzene	5.313	5.154	-	3	30	70	0
naphthalene	10.885	11.689	-	-7.4	30	72	0
1,2,3-trichlorobenzene	5.196	4.916	-	5.4	30	67	0
hexachlorobutadiene	4.64	4.135	-	10.9	30	66	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB17		**Calibration Date**	: 12/18/25 12:51	
Lab File ID	: R1752981		**Init. Calib. Date(s)**	: 11/06/25	11/06/25
Sample No	: WG2155823-2		**Init. Calib. Times**	: 01:43	06:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	127	-.07
chlorodifluoromethane	0.999	0.975	-	2.4	30	115	-.04
propylene	0.718	0.519	-	27.7	30	89	-.04
propane	0.808	0.728	-	9.9	30	106	-.04
dichlorodifluoromethane	1.408	1.331	-	5.5	30	112	-.04
chloromethane	0.632	0.609	-	3.6	30	117	-.04
Freon-114	1.586	1.497	-	5.6	30	113	-.04
methanol	0.367	0.387	-	-5.4	30	113	-.04
vinyl chloride	0.835	0.694	-	16.9	30	99	-.04
1,3-butadiene	0.571	0.491	-	14	30	109	-.04
butane	1.255	0.878	-	30	30	84	-.04
bromomethane	0.621	0.531	-	14.5	30	103	-.05
chloroethane	0.418	0.31	-	25.8	30	87	-.05
ethanol	0.575	0.599	-	-4.2	30	107	-.05
dichlorofluoromethane	1.659	1.251	-	24.6	30	86	-.05
vinyl bromide	0.63	0.493	-	21.7	30	98	-.05
acrolein	0.409	0.347	-	15.2	30	102	-.05
acetone	0.97	0.774	-	20.2	30	99	-.05
acetonitrile	0.831	0.608	-	26.8	30	88	-.05
trichlorofluoromethane	1.383	1.148	-	17	30	98	-.06
isopropyl alcohol	1.101	0.897	-	18.5	30	104	-.05
acrylonitrile	0.665	0.618	-	7.1	30	107	-.05
pentane	1.544	1.224	-	20.7	30	97	-.06
ethyl ether	1.732	1.272	-	26.6	30	81	-.06
1,1-dichloroethene	1.202	0.932	-	22.5	30	92	-.06
tertiary butyl alcohol	1.573	1.144	-	27.3	30	88	-.05
methylene chloride	0.827	0.814	-	1.6	30	118	-.06
3-chloropropene	1.076	0.795	-	26.1	30	92	-.07
carbon disulfide	1.913	1.749	-	8.6	30	112	-.06
Freon 113	1.486	1.208	-	18.7	30	98	-.07
trans-1,2-dichloroethene	1.142	0.847	-	25.8	30	91	-.07
1,1-dichloroethane	1.503	1.146	-	23.8	30	92	-.07
MTBE	1.679	1.353	-	19.4	30	99	-.06
vinyl acetate	1.665	1.137	-	31.7*	30	88	-.07
2-butanone	1.532	1.217	-	20.6	30	95	-.06
cis-1,2-dichloroethene	1.152	0.887	-	23	30	91	-.06
Ethyl Acetate	0.28	0.209	-	25.4	30	88	-.07
chloroform	1.317	1.304	-	1	30	116	-.07
Tetrahydrofuran	0.822	0.624	-	24.1	30	96	-.06
2,2-dichloropropane	0.98	0.963	-	1.7	30	113	-.07
1,2-dichloroethane	0.905	0.745	-	17.7	30	98	-.06
1,4-difluorobenzene	1	1	-	0	30	109	-.06
hexane	0.48	0.441	-	8.1	30	94	-.07

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB17		**Calibration Date**	: 12/18/25 12:51	
Lab File ID	: R1752981		**Init. Calib. Date(s)**	: 11/06/25	11/06/25
Sample No	: WG2155823-2		**Init. Calib. Times**	: 01:43	06:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.253	0.248	-	2	30	97	-.06
tert-butyl ethyl ether	0.929	0.823	-	11.4	30	86	-.06
1,1,1-trichloroethane	0.435	0.427	-	1.8	30	93	-.07
1,1-dichloropropene	0.367	0.405	-	-10.4	30	110	-.07
benzene	0.836	0.922	-	-10.3	30	113	-.07
carbon tetrachloride	0.375	0.428	-	-14.1	30	114	-.07
cyclohexane	0.507	0.474	-	6.5	30	97	-.07
tert-amyl methyl ether	0.687	0.691	-	-0.6	30	101	-.06
dibromomethane	0.296	0.308	-	-4.1	30	103	-.07
1,2-dichloropropane	0.349	0.311	-	10.9	30	91	-.07
bromodichloromethane	0.439	0.496	-	-13	30	116	-.07
1,4-dioxane	0.196	0.177	-	9.7	30	93	-.07
trichloroethene	0.403	0.421	-	-4.5	30	104	-.07
2,2,4-trimethylpentane	1.551	1.404	-	9.5	30	94	-.07
methyl methacrylate	0.37	0.35	-	5.4	30	94	-.06
heptane	0.509	0.491	-	3.5	30	103	-.07
cis-1,3-dichloropropene	0.385	0.41	-	-6.5	30	109	-.07
4-methyl-2-pentanone	0.611	0.573	-	6.2	30	98	-.06
trans-1,3-dichloropropene	0.277	0.293	-	-5.8	30	109	-.07
1,1,2-trichloroethane	0.354	0.347	-	2	30	100	-.07
chlorobenzene-D5	1	1	-	0	30	110	-.05
toluene	6.891	6.338	-	8	30	97	-.07
1,3-dichloropropane	2.846	3.126	-	-9.8	30	114	-.06
2-hexanone	3.451	3.174	-	8	30	92	-.06
dibromochloromethane	2.982	3.055	-	-2.4	30	108	-.05
1,2-dibromoethane	2.943	2.977	-	-1.2	30	109	-.06
butyl acetate	0.687	0.633	-	7.9	30	96	-.05
octane	2.455	2.44	-	0.6	30	101	-.05
tetrachloroethene	2.632	2.567	-	2.5	30	104	-.06
1,1,1,2-tetrachloroethane	2.492	2.615	-	-4.9	30	106	-.05
chlorobenzene	5.157	5.263	-	-2.1	30	109	-.05
ethylbenzene	8.734	8.208	-	6	30	97	-.05
m+p-xylene	6.937	6.6	-	4.9	30	98	-.05
bromoform	2.316	2.371	-	-2.4	30	108	-.05
styrene	5.181	4.865	-	6.1	30	98	-.05
1,1,2,2-tetrachloroethane	4.59	4.951	-	-7.9	30	114	-.05
o-xylene	6.924	6.699	-	3.2	30	98	-.05
1,2,3-trichloropropane	3.334	3.7	-	-11	30	115	-.05
nonane	4.848	4.931	-	-1.7	30	104	-.05
isopropylbenzene	8.923	8.79	-	1.5	30	100	-.05
bromobenzene	4.454	4.944	-	-11	30	113	-.04
2-chlorotoluene	2.639	2.644	-	-0.2	30	103	-.04
n-propylbenzene	2.908	2.97	-	-2.1	30	103	-.05

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB17		**Calibration Date**	: 12/18/25 12:51	
Lab File ID	: R1752981		**Init. Calib. Date(s)**	: 11/06/25	11/06/25
Sample No	: WG2155823-2		**Init. Calib. Times**	: 01:43	06:13
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.661	2.753	-	-3.5	30	104	-.05
4-ethyl toluene	8.409	7.874	-	6.4	30	99	-.05
1,3,5-trimethylbenzene	7.389	7.019	-	5	30	101	-.05
tert-butylbenzene	8.144	8.129	-	0.2	30	102	-.04
1,2,4-trimethylbenzene	7.329	7.058	-	3.7	30	99	-.05
decane	6.707	6.267	-	6.6	30	92	-.04
Benzyl Chloride	5.306	4.629	-	12.8	30	88	-.05
1,3-dichlorobenzene	4.634	4.591	-	0.9	30	101	-.04
1,4-dichlorobenzene	4.616	4.544	-	1.6	30	102	-.04
sec-butylbenzene	11.017	10.731	-	2.6	30	99	-.05
p-isopropyltoluene	9.928	9.891	-	0.4	30	100	-.04
1,2-dichlorobenzene	4.694	3.962	-	15.6	30	84	-.04
n-butylbenzene	8.505	8.179	-	3.8	30	95	-.05
1,2-dibromo-3-chloropropan	1.813	1.84	-	-1.5	30	105	-.05
undecane	6.757	6.32	-	6.5	30	88	-.04
dodecane	5.67	5.27	-	7.1	30	83	-.04
1,2,4-trichlorobenzene	2.859	2.498	-	12.6	30	84	-.05
naphthalene	9.785	8.993	-	8.1	30	88	-.04
1,2,3-trichlorobenzene	2.849	2.572	-	9.7	30	85	-.05
hexachlorobutadiene	2.474	2.215	-	10.5	30	93	-.04

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB15		**Calibration Date**	: 12/19/25 10:50	
Lab File ID	: R1558357		**Init. Calib. Date(s)**	: 10/31/25	10/31/25
Sample No	: WG2156391-2		**Init. Calib. Times**	: 02:09	06:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	129	-.05
chlorodifluoromethane	0.995	0.952	-	4.3	30	124	-.04
propylene	0.694	0.586	-	15.6	30	119	-.04
propane	0.893	0.798	-	10.6	30	117	-.04
dichlorodifluoromethane	1.252	1.125	-	10.1	30	114	-.04
chloromethane	0.675	0.624	-	7.6	30	118	-.04
Freon-114	1.385	1.239	-	10.5	30	114	-.04
methanol	0.418	0.336	-	19.6	30	109	-.04
vinyl chloride	0.788	0.579	-	26.5	30	93	-.04
1,3-butadiene	0.628	0.533	-	15.1	30	111	-.04
butane	1.203	1.003	-	16.6	30	112	-.05
bromomethane	0.53	0.388	-	26.8	30	96	-.05
chloroethane	0.379	0.265	-	30.1*	30	91	-.04
ethanol	0.823	0.679	-	17.5	30	100	-.05
dichlorofluoromethane	1.096	1.045	-	4.7	30	141	-.05
vinyl bromide	0.483	0.358	-	25.9	30	96	-.05
acrolein	0.368	0.31	-	15.8	30	109	-.05
acetone	0.991	0.81	-	18.3	30	107	-.05
acetonitrile	0.737	0.668	-	9.4	30	107	-.05
trichlorofluoromethane	1.093	0.932	-	14.7	30	109	-.05
isopropyl alcohol	1.262	1.046	-	17.1	30	111	-.05
acrylonitrile	0.615	0.514	-	16.4	30	108	-.04
pentane	1.731	1.314	-	24.1	30	103	-.05
ethyl ether	1.923	1.346	-	30	30	87	-.05
1,1-dichloroethene	1.047	0.805	-	23.1	30	99	-.05
tertiary butyl alcohol	1.506	1.066	-	29.2	30	94	-.05
methylene chloride	0.832	0.773	-	7.1	30	118	-.05
3-chloropropene	1.05	0.867	-	17.4	30	108	-.05
carbon disulfide	1.616	1.41	-	12.7	30	111	-.05
Freon 113	1.042	0.88	-	15.5	30	110	-.05
trans-1,2-dichloroethene	0.959	0.739	-	22.9	30	99	-.05
1,1-dichloroethane	1.24	0.98	-	21	30	102	-.05
MTBE	1.568	1.299	-	17.2	30	107	-.05
vinyl acetate	1.501	1.343	-	10.5	30	123	-.04
2-butanone	1.609	1.379	-	14.3	30	107	-.05
cis-1,2-dichloroethene	0.966	0.758	-	21.5	30	100	-.05
Ethyl Acetate	0.241	0.188	-	22	30	101	-.05
chloroform	1.162	1.037	-	10.8	30	113	-.05
Tetrahydrofuran	0.829	0.711	-	14.2	30	110	-.05
2,2-dichloropropane	0.932	0.876	-	6	30	121	-.05
1,2-dichloroethane	0.86	0.708	-	17.7	30	105	-.05
1,4-difluorobenzene	1	1	-	0	30	117	-.04
hexane	0.626	0.518	-	17.3	30	99	-.05

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB15		**Calibration Date**	: 12/19/25 10:50	
Lab File ID	: R1558357		**Init. Calib. Date(s)**	: 10/31/25	10/31/25
Sample No	: WG2156391-2		**Init. Calib. Times**	: 02:09	06:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.279	0.237	-	15.1	30	101	-.04
tert-butyl ethyl ether	1.158	0.946	-	18.3	30	96	-.05
1,1,1-trichloroethane	0.519	0.449	-	13.5	30	106	-.04
1,1-dichloropropene	0.449	0.455	-	-1.3	30	119	-.04
benzene	1.007	0.989	-	1.8	30	114	-.05
carbon tetrachloride	0.417	0.426	-	-2.2	30	116	-.05
cyclohexane	0.653	0.56	-	14.2	30	101	-.05
tert-amyl methyl ether	0.878	0.823	-	6.3	30	110	-.04
dibromomethane	0.313	0.291	-	7	30	111	-.04
1,2-dichloropropane	0.399	0.351	-	12	30	103	-.04
bromodichloromethane	0.551	0.546	-	0.9	30	113	-.04
1,4-dioxane	0.225	0.196	-	12.9	30	104	-.04
trichloroethene	0.378	0.332	-	12.2	30	104	-.04
2,2,4-trimethylpentane	1.972	1.729	-	12.3	30	104	-.04
methyl methacrylate	0.523	0.522	-	0.2	30	116	-.04
heptane	0.728	0.731	-	-0.4	30	118	-.04
cis-1,3-dichloropropene	0.48	0.475	-	1	30	112	-.04
4-methyl-2-pentanone	0.884	0.896	-	-1.4	30	118	-.03
trans-1,3-dichloropropene	0.357	0.349	-	2.2	30	110	-.03
1,1,2-trichloroethane	0.356	0.327	-	8.1	30	106	-.03
chlorobenzene-D5	1	1	-	0	30	124	-.02
toluene	5.133	4.385	-	14.6	30	103	-.03
1,3-dichloropropane	2.407	2.475	-	-2.8	30	123	-.03
2-hexanone	3.573	3.563	-	0.3	30	118	-.03
dibromochloromethane	2.117	1.907	-	9.9	30	106	-.03
1,2-dibromoethane	2.161	2.134	-	1.2	30	118	-.03
butyl acetate	0.611	0.572	-	6.4	30	114	-.03
octane	1.876	1.756	-	6.4	30	114	-.03
tetrachloroethene	1.826	1.606	-	12	30	106	-.03
1,1,1,2-tetrachloroethane	1.655	1.543	-	6.8	30	113	-.03
chlorobenzene	3.723	3.546	-	4.8	30	114	-.03
ethylbenzene	6.651	5.908	-	11.2	30	105	-.02
m+p-xylene	5.281	4.832	-	8.5	30	107	-.02
bromoform	1.646	1.592	-	3.3	30	113	-.02
styrene	3.751	3.619	-	3.5	30	115	-.02
1,1,2,2-tetrachloroethane	3.748	3.754	-	-0.2	30	117	-.03
o-xylene	5.345	4.874	-	8.8	30	106	-.03
1,2,3-trichloropropane	2.917	2.96	-	-1.5	30	122	-.03
nonane	4.875	5.038	-	-3.3	30	126	-.02
isopropylbenzene	6.556	6.439	-	1.8	30	119	-.02
bromobenzene	3.898	3.914	-	-0.4	30	123	-.02
2-chlorotoluene	1.772	1.612	-	9	30	110	-.02
n-propylbenzene	2.041	1.896	-	7.1	30	114	-.02

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB15		**Calibration Date**	: 12/19/25 10:50	
Lab File ID	: R1558357		**Init. Calib. Date(s)**	: 10/31/25	10/31/25
Sample No	: WG2156391-2		**Init. Calib. Times**	: 02:09	06:38
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	1.792	1.676	-	6.5	30	117	-.02
4-ethyl toluene	6.815	6.389	-	6.3	30	115	-.02
1,3,5-trimethylbenzene	5.708	5.387	-	5.6	30	116	-.02
tert-butylbenzene	5.972	5.556	-	7	30	114	-.02
1,2,4-trimethylbenzene	6.086	5.601	-	8	30	115	-.02
decane	5.906	5.571	-	5.7	30	113	-.02
Benzyl Chloride	4.532	3.943	-	13	30	100	-.02
1,3-dichlorobenzene	3.564	3.466	-	2.7	30	114	-.02
1,4-dichlorobenzene	3.533	3.452	-	2.3	30	119	-.02
sec-butylbenzene	8.278	8.258	-	0.2	30	121	-.02
p-isopropyltoluene	7.635	7.102	-	7	30	113	-.02
1,2-dichlorobenzene	3.604	3.258	-	9.6	30	103	-.02
n-butylbenzene	6.955	6.673	-	4.1	30	114	-.02
1,2-dibromo-3-chloropropan	1.763	1.847	-	-4.8	30	122	-.02
undecane	6.762	6.405	-	5.3	30	110	-.03
dodecane	7.086	6.542	-	7.7	30	103	-.02
1,2,4-trichlorobenzene	2.433	2.285	-	6.1	30	100	-.02
naphthalene	8.842	7.448	-	15.8	30	103	-.02
1,2,3-trichlorobenzene	2.375	2.234	-	5.9	30	102	-.02
hexachlorobutadiene	2.09	1.987	-	4.9	30	104	-.02

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	95	0.00
2		chlorodifluoromethane	1.046	0.887	15.2	88	0.00
3		propylene	0.406	0.406	0.0	111	0.00
4		propane	0.294	0.233	20.7	81	0.00
5		dichlorodifluoromethane	2.704	2.335	13.6	88	0.00
6	C	chloromethane	0.750	0.689	8.1	92	0.00
7		Freon-114	3.241	2.684	17.2	81	0.00
8	C	methanol	0.192	0.151	21.4	78	0.00
9	C	vinyl chloride	0.996	0.872	12.4	87	0.00
10	C	1,3-butadiene	0.640	0.541	15.5	90	0.00
11		butane	1.207	0.984	18.5	82	0.00
13	C	bromomethane	1.216	0.993	18.3	80	0.00
14	C	chloroethane	0.584	0.512	12.3	85	0.00
15		ethanol	0.386	0.321	16.8	81	0.00
16		dichlorofluoromethane	1.983	1.864	6.0	96	0.00
17	C	vinyl bromide	0.922	0.845	8.4	97	0.00
18	C	acrolein	0.325	0.324	0.3	98	0.00
19		acetone	0.977	0.858	12.2	96	0.00
20	C	acetonitrile	0.523	0.479	8.4	99	0.00
21		trichlorofluoromethane	2.884	2.470	14.4	86	0.00
22		isopropyl alcohol	1.028	0.917	10.8	101	0.00
23	C	acrylonitrile	0.565	0.533	5.7	96	0.00
24		pentane	1.122	1.041	7.2	95	0.00
25		ethyl ether	0.536	0.411	23.3	80	0.00
26	C	1,1-dichloroethene	1.540	1.449	5.9	90	0.00
27		tertiary butyl alcohol	1.290	0.980	24.0	82	0.00
28	C	methylene chloride	0.868	0.774	10.8	93	0.00
29	C	3-chloropropene	0.699	0.591	15.5	94	0.00
30	C	carbon disulfide	2.309	2.159	6.5	100	0.00
31		Freon 113	2.315	1.986	14.2	88	0.00
32		trans-1,2-dichloroethene	1.128	1.024	9.2	95	0.00
33	C	1,1-dichloroethane	1.587	1.495	5.8	93	0.00
34	C	MTBE	2.386	2.014	15.6	89	0.00
35	C	vinyl acetate	1.375	1.189	13.5	98	0.00
36	C	2-butanone	1.247	1.130	9.4	95	0.00
37		cis-1,2-dichloroethene	1.219	1.113	8.7	90	0.00
38		Ethyl Acetate	0.233	0.223	4.3	100	0.00
39	C	chloroform	2.253	1.940	13.9	87	0.00
40		Tetrahydrofuran	0.644	0.523	18.8	93	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	1.804	1.486	17.6	82	0.00
42	C	1,2-dichloroethane	1.340	1.147	14.4	84	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	92	0.00
44	C	hexane	0.266	0.258	3.0	100	0.00
45		diisopropyl ether	0.210	0.191	9.0	84	0.00
46		tert-butyl ethyl ether	0.613	0.571	6.9	87	0.00
48	C	1,1,1-trichloroethane	0.615	0.529	14.0	82	0.00
49		1,1-dichloropropene	0.373	0.341	8.6	84	0.00
50	C	benzene	0.729	0.712	2.3	91	0.00
52	C	carbon tetrachloride	0.675	0.562	16.7	80	0.00
53		cyclohexane	0.267	0.254	4.9	98	0.00
54		tert-amyl methyl ether	0.661	0.582	12.0	82	0.00
55		dibromomethane	0.347	0.311	10.4	83	0.00
56	C	1,2-dichloropropane	0.229	0.230	-0.4	95	0.00
57		bromodichloromethane	0.550	0.488	11.3	88	0.00
58	C	1,4-dioxane	0.162	0.150	7.4	92	0.00
59	C	trichloroethene	0.435	0.382	12.2	83	0.00
60	C	2,2,4-trimethylpentane	0.822	0.794	3.4	98	0.00
61		methyl methacrylate	0.223	0.193	13.5	83	0.00
62		heptane	0.252	0.228	9.5	93	0.00
63	C	cis-1,3-dichloropropene	0.392	0.379	3.3	88	0.00
64	C	4-methyl-2-pentanone	0.366	0.338	7.7	90	0.00
65		trans-1,3-dichloropropene	0.311	0.300	3.5	86	0.00
66	C	1,1,2-trichloroethane	0.360	0.335	6.9	87	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	80	0.00
68	C	toluene	6.923	7.204	-4.1	86	0.00
71		1,3-dichloropropane	2.996	3.208	-7.1	89	0.00
72		2-hexanone	2.486	2.462	1.0	87	0.00
74		dibromochloromethane	4.772	4.614	3.3	85	0.00
75	C	1,2-dibromoethane	4.070	4.128	-1.4	82	0.00
76		butyl acetate	0.818	0.843	-3.1	85	0.00
77		octane	2.082	2.122	-1.9	86	0.00
78	C	tetrachloroethene	4.343	4.263	1.8	83	0.00
79		1,1,1,2-tetrachloroethane	3.570	3.466	2.9	80	0.00
80	C	chlorobenzene	5.831	5.969	-2.4	85	0.00
81	C	ethylbenzene	8.851	9.360	-5.8	86	0.00
83	C	m+p-xylene	6.723	6.951	-3.4	86	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	4.794	4.785	0.2	89	0.00
85	C	styrene	5.282	5.557	-5.2	85	0.00
86	C	1,1,2,2-tetrachloroethane	4.893	5.407	-10.5	91	0.00
87	C	o-xylene	6.795	7.036	-3.5	86	0.00
88		1,2,3-trichloropropane	3.422	3.634	-6.2	89	0.00
89		nonane	2.774	2.805	-1.1	87	0.00
91	C	isopropylbenzene	9.569	10.099	-5.5	85	0.00
92		bromobenzene	4.326	4.588	-6.1	89	0.00
93		2-chlorotoluene	2.813	2.501	11.1	75	0.00
94		n-propylbenzene	2.855	2.613	8.5	76	0.00
95		4-chlorotoluene	2.624	2.337	10.9	73	0.00
96		4-ethyl toluene	8.937	8.572	4.1	84	0.00
97		1,3,5-trimethylbenzene	7.528	7.110	5.6	76	0.00
98		tert-butylbenzene	9.051	8.632	4.6	76	0.00
99		1,2,4-trimethylbenzene	8.044	8.013	0.4	78	0.00
100		decane	3.569	3.691	-3.4	87	0.00
101	C	Benzyl Chloride	5.745	6.106	-6.3	84	0.00
102		1,3-dichlorobenzene	6.386	5.752	9.9	74	0.00
103	C	1,4-dichlorobenzene	6.118	5.485	10.3	72	0.00
104		sec-butylbenzene	11.521	11.097	3.7	79	0.00
106		p-isopropyltoluene	10.926	10.807	1.1	77	0.00
107		1,2-dichlorobenzene	6.036	5.449	9.7	74	0.00
108		n-butylbenzene	8.824	9.018	-2.2	81	0.00
111	C	1,2-dibromo-3-chloropropane	2.395	2.362	1.4	78	0.00
112		undecane	5.430	6.518	-20.0	94	0.00
114		dodecane	3.566	4.605	-29.1	94	0.00
115	C	1,2,4-trichlorobenzene	5.313	5.154	3.0	70	0.00
116		naphthalene	10.885	11.689	-7.4	72	0.00
117		1,2,3-trichlorobenzene	5.196	4.916	5.4	67	0.00
119	C	hexachlorobutadiene	4.640	4.135	10.9	66	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\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.874	49	206017	10.000	ppbV		0.00
Standard Area = 206017			Recovery = 100.00%				
43) 1,4-difluorobenzene	11.050	114	824395	10.000	ppbV		0.00
Standard Area = 824395			Recovery = 100.00%				
67) chlorobenzene-D5	15.729	54	102778	10.000	ppbV		0.00
Standard Area = 102778			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) chlorodifluoromethane	3.757	51	182824	8.482	ppbV		96
3) propylene	3.787	41	83713M6	10.012	ppbV		
4) propane	3.810	29	47915	7.900	ppbV		93
5) dichlorodifluoromethane	3.857	85	481130	8.637	ppbV		99
6) chloromethane	4.027	50	141878	9.183	ppbV		99
7) Freon-114	4.126	85	552962	8.281	ppbV		94
8) methanol	4.202	31	155185	39.303	ppbV		96
9) vinyl chloride	4.243	62	179592	8.754	ppbV		100
10) 1,3-butadiene	4.384	54	111449	8.448	ppbV		89
11) butane	4.436	43	202646	8.152	ppbV		97
13) bromomethane	4.659	94	204491	8.163	ppbV		100
14) chloroethane	4.840	64	105495	8.770	ppbV		100
15) ethanol	4.987	31	330178	41.568	ppbV	#	82
16) dichlorofluoromethane	4.946	67	384040	9.398	ppbV		99
17) vinyl bromide	5.210	106	174089	9.162	ppbV		99
18) acrolein	5.339	56	66682	9.953	ppbV	#	92
19) acetone	5.473	43	883959	43.937	ppbV		92
20) acetonitrile	5.204	41	98624	9.159	ppbV		99
21) trichlorofluoromethane	5.666	101	508793	8.562	ppbV		100
22) isopropyl alcohol	5.765	45	472069	22.293	ppbV		99
23) acrylonitrile	5.987	53	109729	9.422	ppbV		98
24) pentane	6.057	43	214426	9.274	ppbV		99
25) ethyl ether	6.075	31	84724	7.677	ppbV	#	81
26) 1,1-dichloroethene	6.355	61	298535	9.409	ppbV		98
27) tertiary butyl alcohol	6.410	59	201931	7.600	ppbV		96
28) methylene chloride	6.493	49	159440	8.920	ppbV		99
29) 3-chloropropene	6.622	41	121824	8.462	ppbV		93
30) carbon disulfide	6.796	76	444688	9.348	ppbV		94
31) Freon 113	6.790	101	409054	8.577	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	7.531	61	211007	9.083	ppbV		95
33) 1,1-dichloroethane	7.753	63	307940	9.421	ppbV		99
34) MTBE	7.812	73	414934	8.440	ppbV		96
35) vinyl acetate	7.937	43	244977	8.649	ppbV		100
36) 2-butanone	8.186	43	232753	9.060	ppbV		99
37) cis-1,2-dichloroethene	8.686	61	229239	9.127	ppbV		97
38) Ethyl Acetate	8.947	61	45874	9.546	ppbV		78
39) chloroform	9.020	83	399617	8.608	ppbV		99
40) Tetrahydrofuran	9.444	42	107849	8.128	ppbV		99
41) 2,2-dichloropropane	9.045	77	306207	8.238	ppbV		97
42) 1,2-dichloroethane	9.844	62	236215	8.560	ppbV		99
44) hexane	8.931	57	212294	9.688	ppbV		86
45) diisopropyl ether	8.931	87	157377	9.090	ppbV		91
46) tert-butyl ethyl ether	9.526	59	470470	9.310	ppbV		97
48) 1,1,1-trichloroethane	10.121	97	435746	8.592	ppbV		98
49) 1,1-dichloropropene	10.485	75	281459	9.149	ppbV		97
50) benzene	10.636	78	587070	9.774	ppbV		99
52) carbon tetrachloride	10.805	117	463052	8.327	ppbV		100
53) cyclohexane	10.947	56	209264	9.511	ppbV		93
54) tert-amyl methyl ether	11.314	73	479616	8.806	ppbV		96
55) dibromomethane	11.540	93	256327	8.965	ppbV		98
56) 1,2-dichloropropane	11.569	63	189895	10.076	ppbV	#	93
57) bromodichloromethane	11.795	83	402686	8.875	ppbV		99
58) 1,4-dioxane	11.833	88	123335	9.226	ppbV		95
59) trichloroethene	11.842	130	314534	8.770	ppbV		99
60) 2,2,4-trimethylpentane	11.889	57	654325	9.654	ppbV		94
61) methyl methacrylate	12.078	41	159154	8.641	ppbV		95
62) heptane	12.200	43	188057	9.041	ppbV		96
63) cis-1,3-dichloropropene	12.840	75	312592	9.676	ppbV		95
64) 4-methyl-2-pentanone	12.874	43	278543	9.225	ppbV		97
65) trans-1,3-dichloropropene	13.449	75	246967	9.633	ppbV		95
66) 1,1,2-trichloroethane	13.649	97	276017	9.289	ppbV		98
68) toluene	13.975	91	740379	10.406	ppbV		100
71) 1,3-dichloropropane	14.000	76	329753	10.711	ppbV		96
72) 2-hexanone	14.258	43	253036	9.905	ppbV		94
74) dibromochloromethane	14.433	129	474209	9.668	ppbV		100
75) 1,2-dibromoethane	14.684	107	424295	10.144	ppbV		100
76) butyl acetate	14.926	73	86690	10.315	ppbV		91
77) octane	15.017	85	218114	10.195	ppbV		96
78) tetrachloroethene	15.151	166	438133	9.816	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

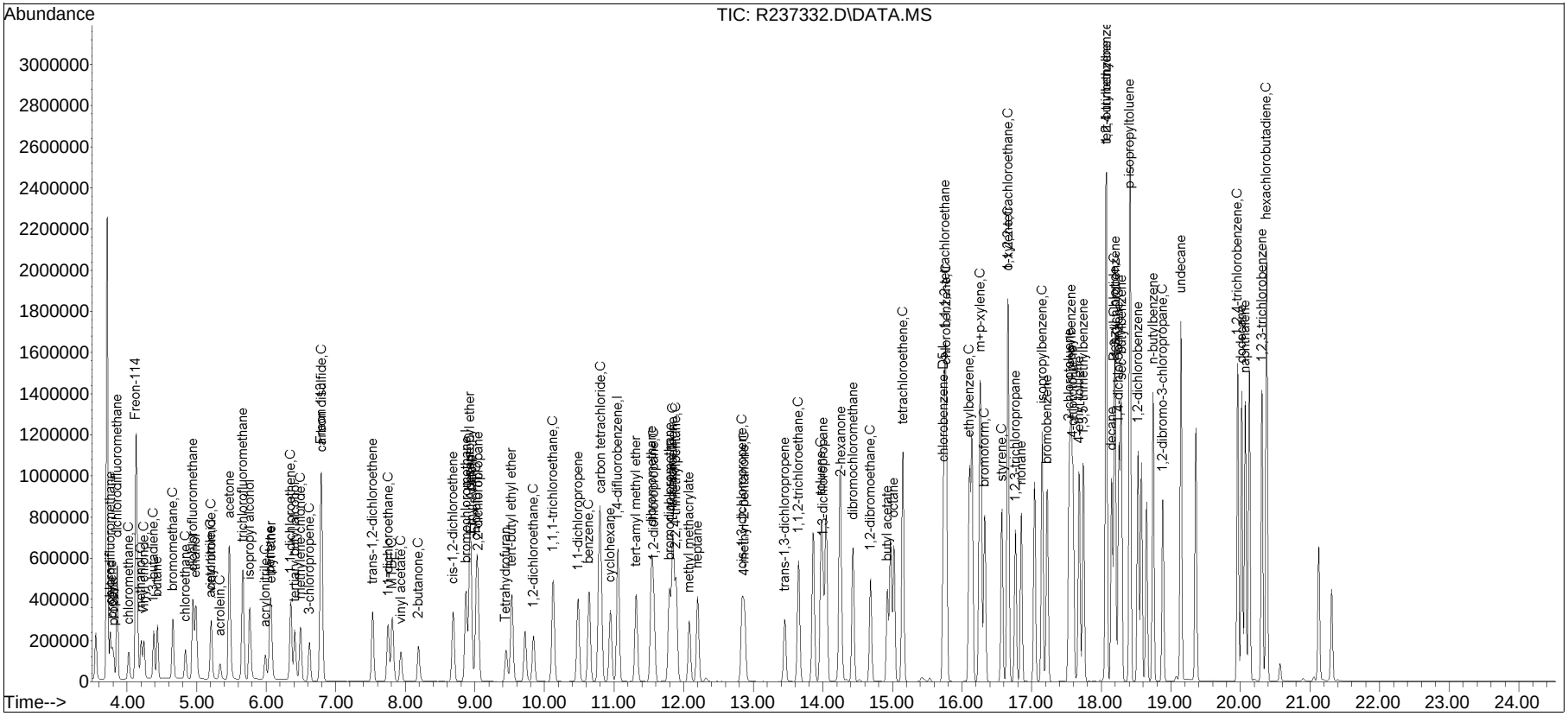
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) 1,1,1,2-tetrachloroethane	15.755	131	356197	9.708	ppbV		100
80) chlorobenzene	15.773	112	613435	10.235	ppbV		99
81) ethylbenzene	16.103	91	962051	10.576	ppbV		99
83) m+p-xylene	16.260	91	1428897	20.679	ppbV		100
84) bromoform	16.321	173	491835	9.982	ppbV		99
85) styrene	16.574	104	571105	10.520	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.661	83	555696	11.051	ppbV		99
87) o-xylene	16.661	91	723108	10.354	ppbV		100
88) 1,2,3-trichloropropane	16.765	75	373454	10.620	ppbV		95
89) nonane	16.852	43	288245	10.112	ppbV		93
91) isopropylbenzene	17.148	105	1037987	10.555	ppbV		100
92) bromobenzene	17.218	77	471532	10.606	ppbV		94
93) 2-chlorotoluene	17.540	126	257099	8.893	ppbV		81
94) n-propylbenzene	17.566	120	268513	9.149	ppbV		89
95) 4-chlorotoluene	17.592	126	240238	8.907	ppbV	#	70
96) 4-ethyl toluene	17.679	105	881055	9.592	ppbV		98
97) 1,3,5-trimethylbenzene	17.740	105	730787	9.445	ppbV		98
98) tert-butylbenzene	18.074	119	887141	9.536	ppbV		99
99) 1,2,4-trimethylbenzene	18.074	105	823529	9.961	ppbV		98
100) decane	18.146	57	379360	10.342	ppbV	#	96
101) Benzyl Chloride	18.186	91	627554	10.628	ppbV		97
102) 1,3-dichlorobenzene	18.202	146	591178	9.007	ppbV		97
103) 1,4-dichlorobenzene	18.249	146	563753	8.966	ppbV		95
104) sec-butylbenzene	18.289	105	1140568	9.632	ppbV		96
106) p-isopropyltoluene	18.409	119	1110752	9.891	ppbV		98
107) 1,2-dichlorobenzene	18.529	146	560039	9.027	ppbV		97
108) n-butylbenzene	18.744	91	926866	10.220	ppbV		95
111) 1,2-dibromo-3-chloropr...	18.880	75	242740	9.862	ppbV		86
112) undecane	19.143	57	669899	12.003	ppbV		95
114) dodecane	20.017	57	473255	12.913	ppbV		95
115) 1,2,4-trichlorobenzene	19.958	180	529718	9.701	ppbV		97
116) naphthalene	20.069	128	1201400	10.739	ppbV		100
117) 1,2,3-trichlorobenzene	20.309	180	505209	9.461	ppbV		98
119) hexachlorobutadiene	20.373	225	424936	8.911	ppbV		93

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

Sub List : Default-LCS-AP2 - All compounds listedR237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237332.D
Acq On : 18 Dec 2025 11:24 am
Operator : AIRLAB23:TPH
Sample : WG2155905-2,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 3 Sample Multiplier: 1

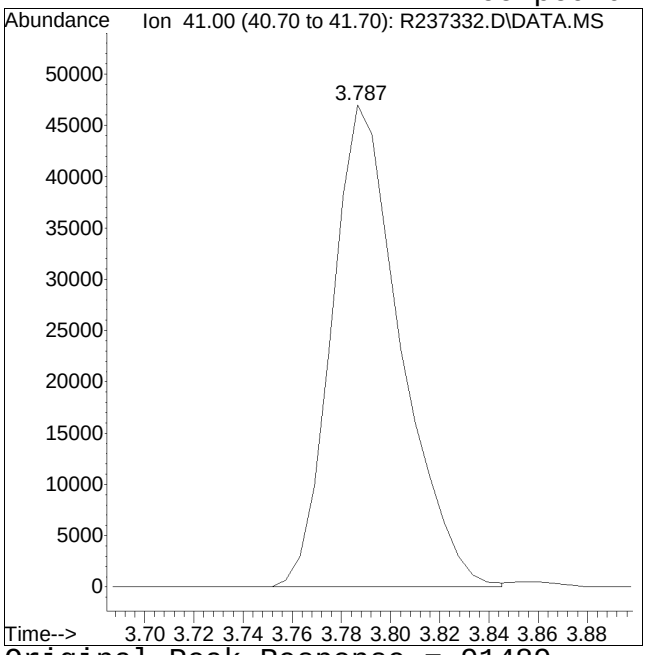
Quant Time: Dec 18 12:31:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration



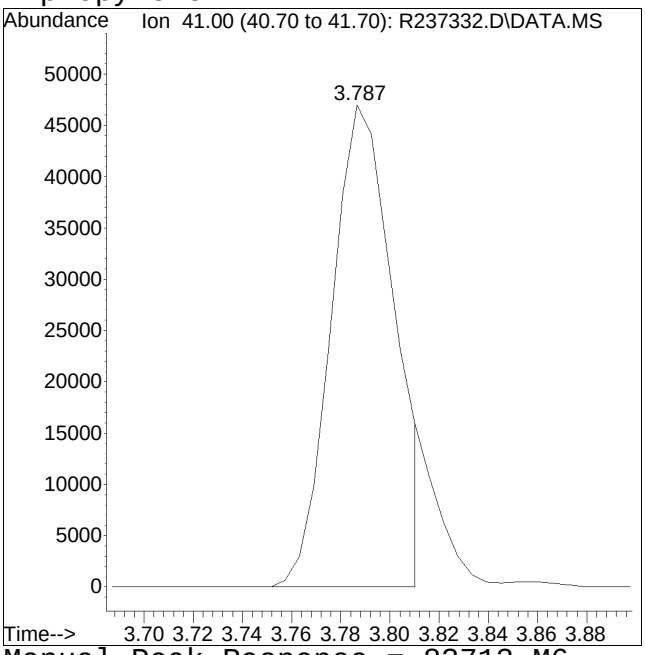
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20QMethod : TFS23_251121.M
Data File : R237332.D Operator : AIRLAB23:TPH
Date Inj'd : 12/18/2025 11:24 am Instrument : Airlab23
Sample : WG2155905-2,3,250,250 Quant Date : 12/18/2025 12:31 pm

Compound #3: propylene



Original Peak Response = 91489



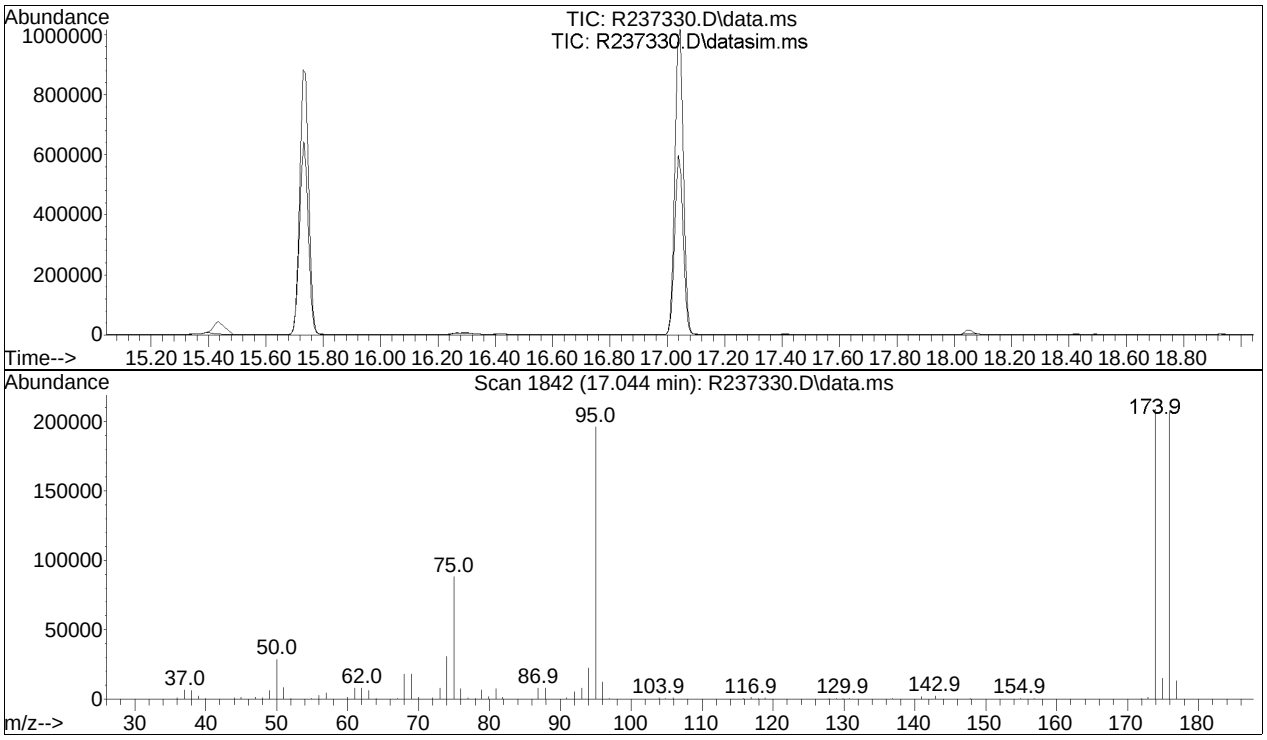
Manual Peak Response = 83713 M6

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237330.D
Acq On : 18 Dec 2025 10:03 am
Operator : AIRLAB23:TPH
Sample : WG2155905-1,3,250,250 (Sig #1); TA23120601 (Sig #2)
Misc : WG2155905,ICAL22840 (Sig #1); 250 mL (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Sun Nov 23 15:33:01 2025



Spectrum Information: Scan 1842

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.6	28600	PASS
75	95	30	66	45.0	88168	PASS
95	95	100	100	100.0	196096	PASS
96	95	5	9	6.5	12691	PASS
173	174	0.00	2	0.8	1659	PASS
174	95	50	120	106.5	208832	PASS
175	174	4	9	7.2	15012	PASS
176	174	93	101	99.2	207168	PASS
177	176	5	9	6.4	13202	PASS

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	127	-0.07
2		chlorodifluoromethane	0.999	0.975	2.4	115	-0.04
3		propylene	0.718	0.519	27.7	89	-0.04
4		propane	0.808	0.728	9.9	106	-0.04
5		dichlorodifluoromethane	1.408	1.331	5.5	112	-0.04
6	C	chloromethane	0.632	0.609	3.6	117	-0.04
7		Freon-114	1.586	1.497	5.6	113	-0.04
8	C	methanol	0.367	0.387	-5.4	113	-0.04
9	C	vinyl chloride	0.835	0.694	16.9	99	-0.04
10	C	1,3-butadiene	0.571	0.491	14.0	109	-0.04
11		butane	1.255	0.878	30.0#	84	-0.04
13	C	bromomethane	0.621	0.531	14.5	103	-0.05
14	C	chloroethane	0.418	0.310	25.8	87	-0.05
15		ethanol	0.575	0.599	-4.2	107	-0.05
16		dichlorofluoromethane	1.659	1.251	24.6	86	-0.05
17	C	vinyl bromide	0.630	0.493	21.7	98	-0.05
18	C	acrolein	0.409	0.347	15.2	102	-0.05
19		acetone	0.970	0.774	20.2	99	-0.05
20	C	acetonitrile	0.831	0.608	26.8	88	-0.05
21		trichlorofluoromethane	1.383	1.148	17.0	98	-0.06
22		isopropyl alcohol	1.101	0.897	18.5	104	-0.05
23	C	acrylonitrile	0.665	0.618	7.1	107	-0.05
24		pentane	1.544	1.224	20.7	97	-0.06
25		ethyl ether	1.732	1.272	26.6	81	-0.06
26	C	1,1-dichloroethene	1.202	0.932	22.5	92	-0.06
27		tertiary butyl alcohol	1.573	1.144	27.3	88	-0.05
28	C	methylene chloride	0.827	0.814	1.6	118	-0.06
29	C	3-chloropropene	1.076	0.795	26.1	92	-0.07
30	C	carbon disulfide	1.913	1.749	8.6	112	-0.06
31		Freon 113	1.486	1.208	18.7	98	-0.07
32		trans-1,2-dichloroethene	1.142	0.847	25.8	91	-0.07
33	C	1,1-dichloroethane	1.503	1.146	23.8	92	-0.07
34	C	MTBE	1.679	1.353	19.4	99	-0.06
35	C	vinyl acetate	1.665	1.137	31.7#	88	-0.07
36	C	2-butanone	1.532	1.217	20.6	95	-0.06
37		cis-1,2-dichloroethene	1.152	0.887	23.0	91	-0.06
38		Ethyl Acetate	0.280	0.209	25.4	88	-0.07
39	C	chloroform	1.317	1.304	1.0	116	-0.07
40		Tetrahydrofuran	0.822	0.624	24.1	96	-0.06

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.980	0.963	1.7	113	-0.07
42	C	1,2-dichloroethane	0.905	0.745	17.7	98	-0.06
43	I	1,4-difluorobenzene	1.000	1.000	0.0	109	-0.06
44	C	hexane	0.480	0.441	8.1	94	-0.07
45		diisopropyl ether	0.253	0.248	2.0	97	-0.06
46		tert-butyl ethyl ether	0.929	0.823	11.4	86	-0.06
48	C	1,1,1-trichloroethane	0.435	0.427	1.8	93	-0.07
49		1,1-dichloropropene	0.367	0.405	-10.4	110	-0.07
50	C	benzene	0.836	0.922	-10.3	113	-0.07
52	C	carbon tetrachloride	0.375	0.428	-14.1	114	-0.07
53		cyclohexane	0.507	0.474	6.5	97	-0.07
54		tert-amyl methyl ether	0.687	0.691	-0.6	101	-0.06
55		dibromomethane	0.296	0.308	-4.1	103	-0.07
56	C	1,2-dichloropropane	0.349	0.311	10.9	91	-0.07
57		bromodichloromethane	0.439	0.496	-13.0	116	-0.07
58	C	1,4-dioxane	0.196	0.177	9.7	93	-0.07
59	C	trichloroethene	0.403	0.421	-4.5	104	-0.07
60	C	2,2,4-trimethylpentane	1.551	1.404	9.5	94	-0.07
61		methyl methacrylate	0.370	0.350	5.4	94	-0.06
62		heptane	0.509	0.491	3.5	103	-0.07
63	C	cis-1,3-dichloropropene	0.385	0.410	-6.5	109	-0.07
64	C	4-methyl-2-pentanone	0.611	0.573	6.2	98	-0.06
65		trans-1,3-dichloropropene	0.277	0.293	-5.8	109	-0.07
66	C	1,1,2-trichloroethane	0.354	0.347	2.0	100	-0.07
67	I	chlorobenzene-D5	1.000	1.000	0.0	110	-0.05
68	C	toluene	6.891	6.338	8.0	97	-0.07
71		1,3-dichloropropane	2.846	3.126	-9.8	114	-0.06
72		2-hexanone	3.451	3.174	8.0	92	-0.06
74		dibromochloromethane	2.982	3.055	-2.4	108	-0.05
75	C	1,2-dibromoethane	2.943	2.977	-1.2	109	-0.06
76		butyl acetate	0.687	0.633	7.9	96	-0.05
77		octane	2.455	2.440	0.6	101	-0.05
78	C	tetrachloroethene	2.632	2.567	2.5	104	-0.06
79		1,1,1,2-tetrachloroethane	2.492	2.615	-4.9	106	-0.05
80	C	chlorobenzene	5.157	5.263	-2.1	109	-0.05
81	C	ethylbenzene	8.734	8.208	6.0	97	-0.05
83	C	m+p-xylene	6.937	6.600	4.9	98	-0.05

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	2.316	2.371	-2.4	108	-0.05
85	C	styrene	5.181	4.865	6.1	98	-0.05
86	C	1,1,2,2-tetrachloroethane	4.590	4.951	-7.9	114	-0.05
87	C	o-xylene	6.924	6.699	3.2	98	-0.05
88		1,2,3-trichloropropane	3.334	3.700	-11.0	115	-0.05
89		nonane	4.848	4.931	-1.7	104	-0.05
91	C	isopropylbenzene	8.923	8.790	1.5	100	-0.05
92		bromobenzene	4.454	4.944	-11.0	113	-0.04
93		2-chlorotoluene	2.639	2.644	-0.2	103	-0.04
94		n-propylbenzene	2.908	2.970	-2.1	103	-0.05
95		4-chlorotoluene	2.661	2.753	-3.5	104	-0.05
96		4-ethyl toluene	8.409	7.874	6.4	99	-0.05
97		1,3,5-trimethylbenzene	7.389	7.019	5.0	101	-0.05
98		tert-butylbenzene	8.144	8.129	0.2	102	-0.04
99		1,2,4-trimethylbenzene	7.329	7.058	3.7	99	-0.05
100		decane	6.707	6.267	6.6	92	-0.04
101	C	Benzyl Chloride	5.306	4.629	12.8	88	-0.05
102		1,3-dichlorobenzene	4.634	4.591	0.9	101	-0.04
103	C	1,4-dichlorobenzene	4.616	4.544	1.6	102	-0.04
104		sec-butylbenzene	11.017	10.731	2.6	99	-0.05
106		p-isopropyltoluene	9.928	9.891	0.4	100	-0.04
107		1,2-dichlorobenzene	4.694	3.962	15.6	84	-0.04
108		n-butylbenzene	8.505	8.179	3.8	95	-0.05
111	C	1,2-dibromo-3-chloropropane	1.813	1.840	-1.5	105	-0.05
112		undecane	6.757	6.320	6.5	88	-0.04
114		dodecane	5.670	5.270	7.1	83	-0.04
115	C	1,2,4-trichlorobenzene	2.859	2.498	12.6	84	-0.05
116		naphthalene	9.785	8.993	8.1	88	-0.04
117		1,2,3-trichlorobenzene	2.849	2.572	9.7	85	-0.05
119	C	hexachlorobutadiene	2.474	2.215	10.5	93	-0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.775	49	341577	10.000	ppbV		-0.07
Standard Area = 341577			Recovery = 100.00%				
43) 1,4-difluorobenzene	10.990	114	849055	10.000	ppbV		-0.06
Standard Area = 849055			Recovery = 100.00%				
67) chlorobenzene-D5	15.758	54	140112	10.000	ppbV		-0.05
Standard Area = 140112			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) chlorodifluoromethane	3.754	51	333138	9.761	ppbV	#	93
3) propylene	3.778	41	177190M6	7.220	ppbV		
4) propane	3.802	29	248519	9.006	ppbV		95
5) dichlorodifluoromethane	3.850	85	454758	9.453	ppbV		98
6) chloromethane	4.006	50	208176	9.643	ppbV		99
7) Freon-114	4.108	85	511449	9.440	ppbV		96
8) methanol	4.168	31	660894	52.767	ppbV		95
9) vinyl chloride	4.222	62	237200	8.319	ppbV		97
10) 1,3-butadiene	4.354	54	167826	8.609	ppbV	#	69
11) butane	4.408	43	299735	6.992	ppbV	#	97
13) bromomethane	4.618	94	181358	8.543	ppbV		97
14) chloroethane	4.798	64	105805	7.405	ppbV		96
15) ethanol	4.924	31	1022522	52.096	ppbV		97
16) dichlorofluoromethane	4.900	67	427285	7.540	ppbV	#	97
17) vinyl bromide	5.157	106	168563	7.830	ppbV		96
18) acrolein	5.277	56	118435	8.477	ppbV		96
19) acetone	5.410	43	1321469	39.878	ppbV		96
20) acetonitrile	5.143	41	207525	7.309	ppbV		94
21) trichlorofluoromethane	5.600	101	392107	8.300	ppbV		98
22) isopropyl alcohol	5.680	45	765707	20.357	ppbV		97
23) acrylonitrile	5.913	53	211212	9.301	ppbV		98
24) pentane	5.987	43	418197	7.930	ppbV		99
25) ethyl ether	6.007	31	434605	7.348	ppbV		94
26) 1,1-dichloroethene	6.276	61	318284	7.754	ppbV		98
27) tertiary butyl alcohol	6.318	59	390641	7.269	ppbV		98
28) methylene chloride	6.414	49	278103	9.842	ppbV		93
29) 3-chloropropene	6.540	41	271606	7.393	ppbV	#	93
30) carbon disulfide	6.708	76	597354	9.143	ppbV		99
31) Freon 113	6.708	101	412583	8.126	ppbV		92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	7.442	61	289352	7.420	ppbV		96
33) 1,1-dichloroethane	7.658	63	391374	7.625	ppbV		100
34) MTBE	7.725	73	462306	8.060	ppbV		97
35) vinyl acetate	7.842	43	388376	6.829	ppbV		99
36) 2-butanone	8.092	43	415692	7.946	ppbV		99
37) cis-1,2-dichloroethene	8.600	61	303108	7.702	ppbV		99
38) Ethyl Acetate	8.858	61	71340	7.448	ppbV	#	57
39) chloroform	8.933	83	445358	9.897	ppbV		97
40) Tetrahydrofuran	9.358	42	213124	7.594	ppbV		98
41) 2,2-dichloropropane	8.950	77	329001	9.832	ppbV		89
42) 1,2-dichloroethane	9.758	62	254307	8.223	ppbV	#	93
44) hexane	8.850	57	374202	9.179	ppbV		97
45) diisopropyl ether	8.842	87	210469	9.816	ppbV		80
46) tert-butyl ethyl ether	9.450	59	698781	8.856	ppbV		96
48) 1,1,1-trichloroethane	10.042	97	362156	9.795	ppbV		98
49) 1,1-dichloropropene	10.403	75	343984	11.043	ppbV		90
50) benzene	10.563	78	782950	11.036	ppbV		99
52) carbon tetrachloride	10.737	117	363761	11.421	ppbV		98
53) cyclohexane	10.877	56	402049	9.343	ppbV		95
54) tert-amyl methyl ether	11.257	73	586418	10.050	ppbV		100
55) dibromomethane	11.470	93	261746	10.407	ppbV		96
56) 1,2-dichloropropane	11.503	63	263704	8.893	ppbV		99
57) bromodichloromethane	11.730	83	421530	11.299	ppbV		98
58) 1,4-dioxane	11.763	88	150020	9.000	ppbV		92
59) trichloroethene	11.783	130	357772	10.448	ppbV		98
60) 2,2,4-trimethylpentane	11.837	57	1191668	9.047	ppbV		99
61) methyl methacrylate	12.030	41	297311	9.471	ppbV		98
62) heptane	12.150	43	417161	9.651	ppbV		94
63) cis-1,3-dichloropropene	12.792	75	347918	10.632	ppbV		90
64) 4-methyl-2-pentanone	12.833	43	486585	9.385	ppbV		93
65) trans-1,3-dichloropropene	13.417	75	248550	10.576	ppbV	#	89
66) 1,1,2-trichloroethane	13.617	97	294767	9.816	ppbV		91
68) toluene	13.950	91	888076	9.198	ppbV		98
71) 1,3-dichloropropane	13.983	76	438051	10.985	ppbV		90
72) 2-hexanone	14.250	43	444740	9.197	ppbV		91
74) dibromochloromethane	14.417	129	428057	10.244	ppbV		97
75) 1,2-dibromoethane	14.667	107	417109	10.115	ppbV		97
76) butyl acetate	14.925	73	88713	9.222	ppbV		96
77) octane	15.025	85	341884	9.941	ppbV		96
78) tetrachloroethene	15.142	166	359648	9.753	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

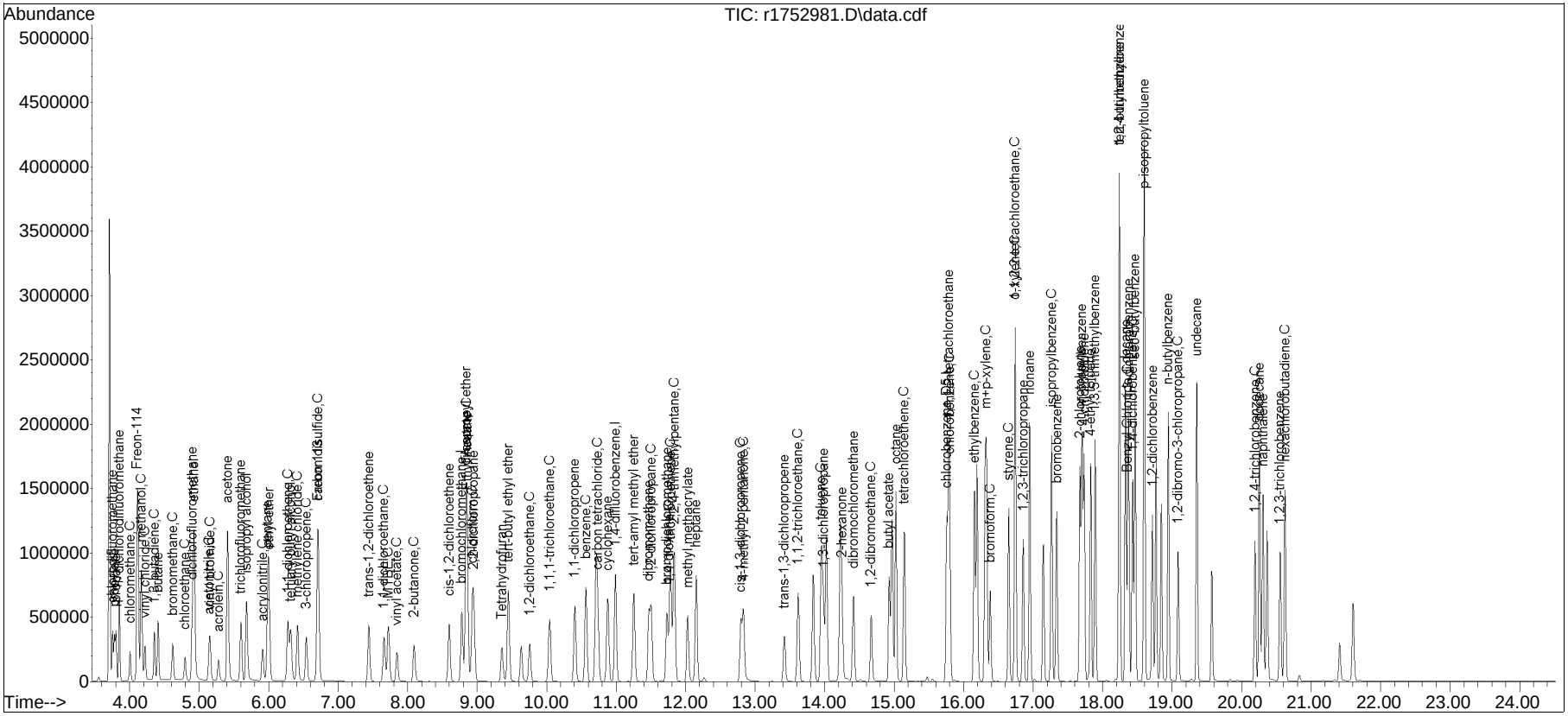
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) 1,1,1,2-tetrachloroethane	15.783	131	366410	10.494	ppbV		100
80) chlorobenzene	15.800	112	737413	10.205	ppbV		98
81) ethylbenzene	16.158	91	1150096	9.398	ppbV		97
83) m+p-xylene	16.325	91	1849460	19.027	ppbV		97
84) bromoform	16.383	173	332216	10.239	ppbV		99
85) styrene	16.650	104	681639	9.389	ppbV		96
86) 1,1,2,2-tetrachloroethane	16.742	83	693645	10.785	ppbV		99
87) o-xylene	16.742	91	938567	9.674	ppbV		96
88) 1,2,3-trichloropropane	16.858	75	518365	11.096	ppbV		96
89) nonane	16.950	43	690829	10.170	ppbV		89
91) isopropylbenzene	17.267	105	1231647	9.852	ppbV		97
92) bromobenzene	17.342	77	692731	11.101	ppbV		91
93) 2-chlorotoluene	17.675	126	370476M3	10.021	ppbV		
94) n-propylbenzene	17.700	120	416080	10.213	ppbV		93
95) 4-chlorotoluene	17.733	126	385662	10.343	ppbV		91
96) 4-ethyl toluene	17.825	105	1103224	9.363	ppbV		98
97) 1,3,5-trimethylbenzene	17.892	105	983466	9.499	ppbV		99
98) tert-butylbenzene	18.242	119	1139000	9.982	ppbV		94
99) 1,2,4-trimethylbenzene	18.242	105	988941	9.631	ppbV		97
100) decane	18.333	57	878118	9.344	ppbV		91
101) Benzyl Chloride	18.358	91	648565	8.723	ppbV		97
102) 1,3-dichlorobenzene	18.375	146	643286	9.908	ppbV		93
103) 1,4-dichlorobenzene	18.433	146	636633M3	9.844	ppbV		
104) sec-butylbenzene	18.467	105	1503535	9.740	ppbV		100
106) p-isopropyltoluene	18.600	119	1385854	9.963	ppbV		97
107) 1,2-dichlorobenzene	18.717	146	555106	8.441	ppbV		99
108) n-butylbenzene	18.942	91	1145917	9.616	ppbV		99
111) 1,2-dibromo-3-chloropr...	19.083	75	257874	10.151	ppbV	#	92
112) undecane	19.358	57	885517	9.353	ppbV		94
114) dodecane	20.258	57	738350	9.294	ppbV		94
115) 1,2,4-trichlorobenzene	20.192	180	350050	8.740	ppbV		98
116) naphthalene	20.308	128	1259995	9.190	ppbV		100
117) 1,2,3-trichlorobenzene	20.550	180	360340	9.028	ppbV		98
119) hexachlorobutadiene	20.625	225	310352	8.952	ppbV		94

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

Sub List : Default-LCS-AP2 - All compounds listedr1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752981.D
Acq On : 18 Dec 2025 12:51 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-2,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

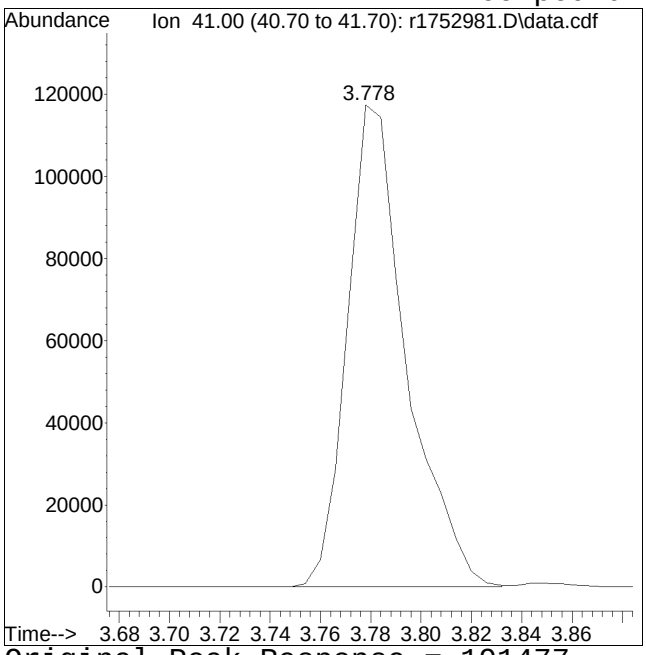
Quant Time: Dec 18 13:16:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration



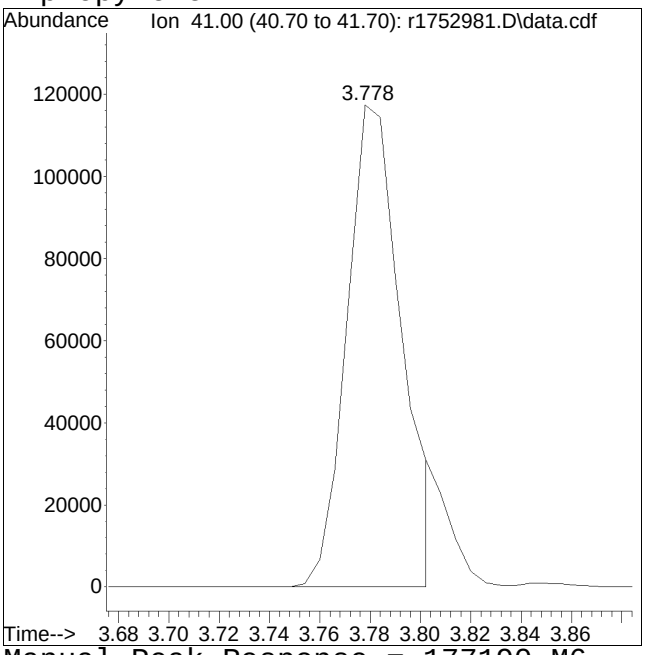
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TFS17_251105.M
Data File : r1752981.D Operator : AIRLAB17:TPH
Date Inj'd : 12/18/2025 12:51 PM Instrument :
Sample : WG2155823-2,3,250,250 Quant Date : 12/18/2025 1:16 pm

Compound #3: propylene



Original Peak Response = 191477



Manual Peak Response = 177190 M6

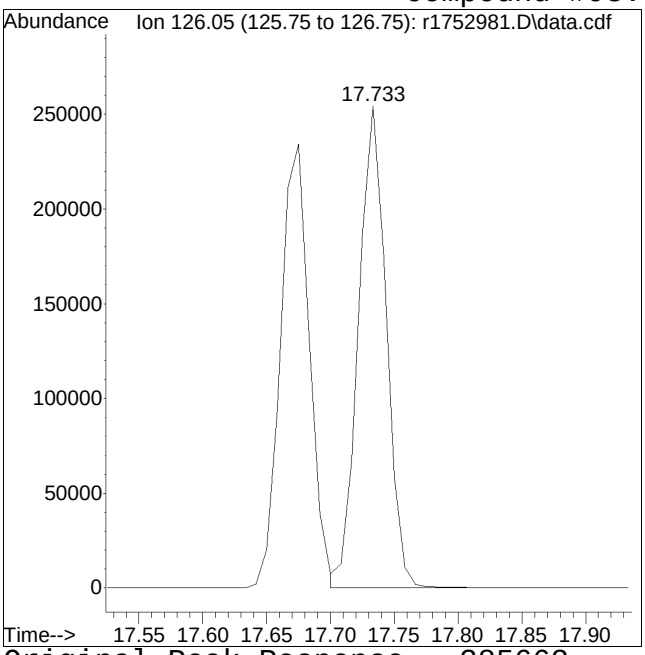
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

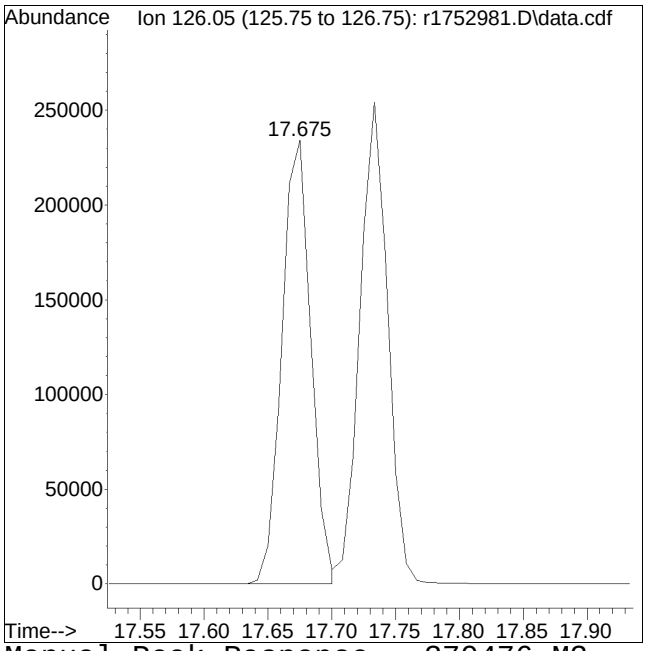
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752981.D
Date Inj'd : 12/18/2025 12:51 PM
Sample : WG2155823-2,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/18/2025 1:16 pm

Compound #93: 2-chlorotoluene



Original Peak Response = 385662



Manual Peak Response = 370476 M3

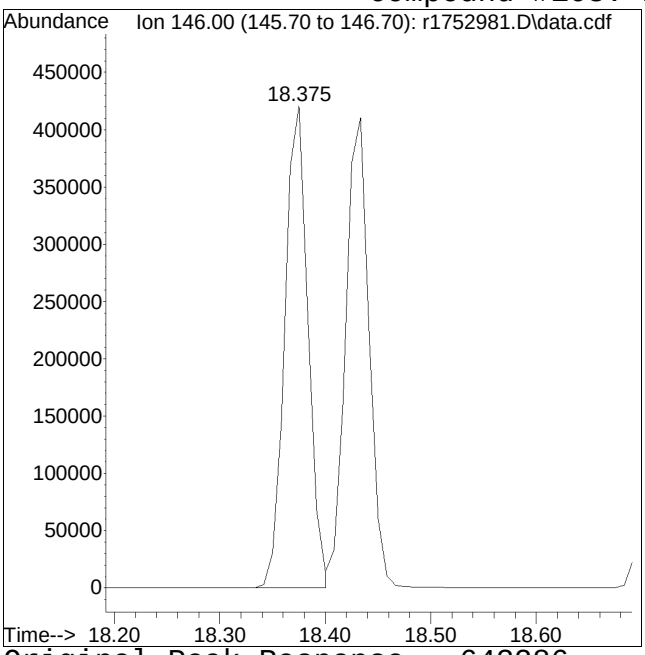
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

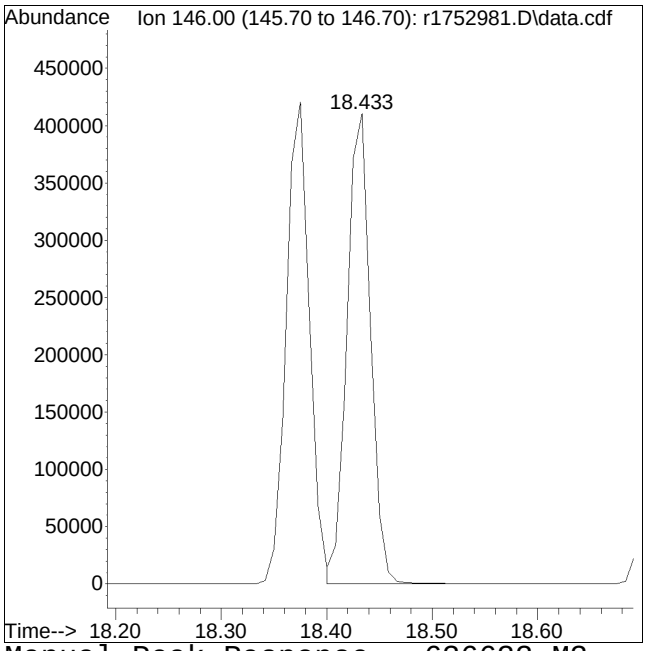
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752981.D
Date Inj'd : 12/18/2025 12:51 PM
Sample : WG2155823-2,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/18/2025 1:16 pm

Compound #103: 1,4-dichlorobenzene





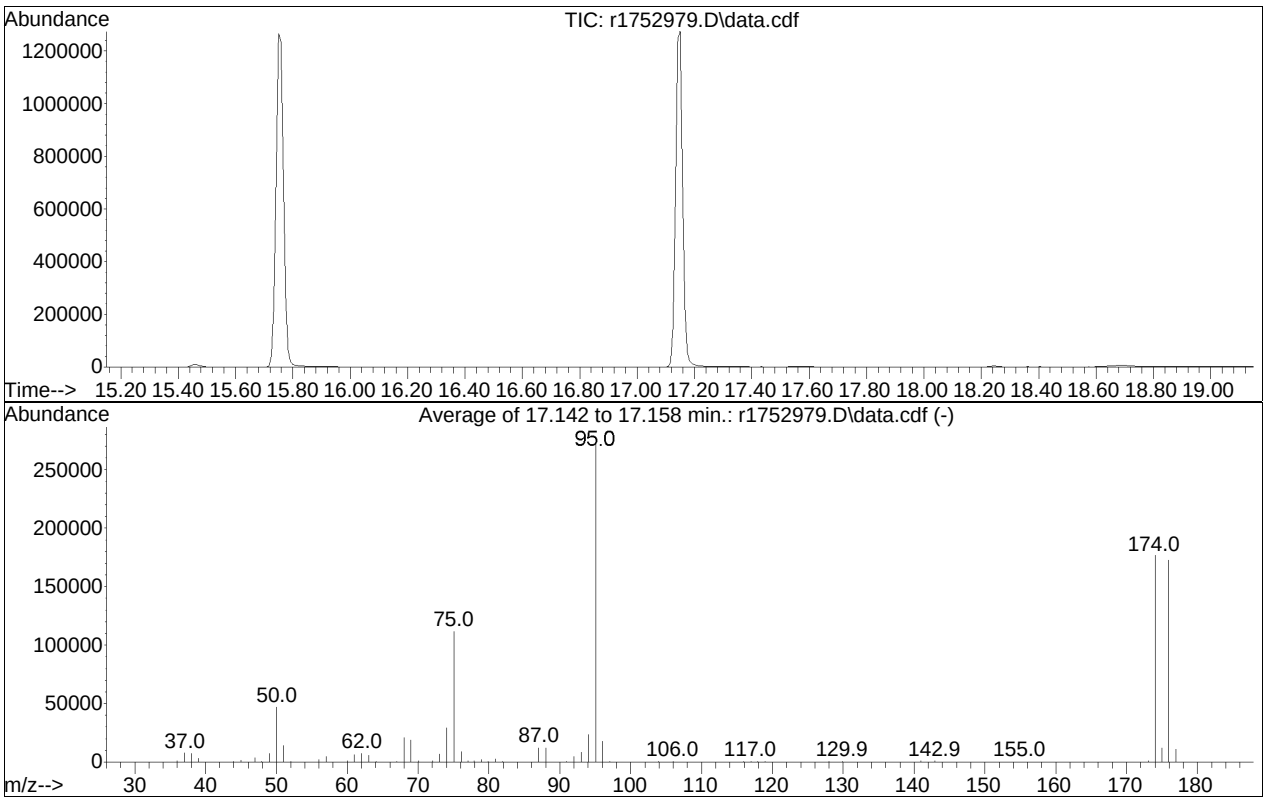
Original Peak Response = 643286 Manual Peak Response = 636633 M3

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.

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752979.D
Acq On : 18 Dec 2025 11:33 AM
Operator : AIRLAB17:TPH
Sample : WG2155823-1,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025



Spectrum Information: Average of 17.142 to 17.158 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.3	47321	PASS
75	95	30	66	40.9	111772	PASS
95	95	100	100	100.0	273088	PASS
96	95	5	9	6.5	17652	PASS
173	174	0.00	2	0.6	1130	PASS
174	95	50	120	64.7	176708	PASS
175	174	4	9	6.9	12253	PASS
176	174	93	101	97.6	172504	PASS
177	176	5	9	6.5	11145	PASS

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	129	-0.05
2		chlorodifluoromethane	0.995	0.952	4.3	124	-0.04
3		propylene	0.694	0.586	15.6	119	-0.04
4		propane	0.893	0.798	10.6	117	-0.04
5		dichlorodifluoromethane	1.252	1.125	10.1	114	-0.04
6	C	chloromethane	0.675	0.624	7.6	118	-0.04
7		Freon-114	1.385	1.239	10.5	114	-0.04
8	C	methanol	0.418	0.336	19.6	109	-0.04
9	C	vinyl chloride	0.788	0.579	26.5	93	-0.04
10	C	1,3-butadiene	0.628	0.533	15.1	111	-0.04
11		butane	1.203	1.003	16.6	112	-0.05
13	C	bromomethane	0.530	0.388	26.8	96	-0.05
14	C	chloroethane	0.379	0.265	30.1#	91	-0.04
15		ethanol	0.823	0.679	17.5	100	-0.05
16		dichlorofluoromethane	1.096	1.045	4.7	141#	-0.05
17	C	vinyl bromide	0.483	0.358	25.9	96	-0.05
18	C	acrolein	0.368	0.310	15.8	109	-0.05
19		acetone	0.991	0.810	18.3	107	-0.05
20	C	acetonitrile	0.737	0.668	9.4	107	-0.05
21		trichlorofluoromethane	1.093	0.932	14.7	109	-0.05
22		isopropyl alcohol	1.262	1.046	17.1	111	-0.05
23	C	acrylonitrile	0.615	0.514	16.4	108	-0.04
24		pentane	1.731	1.314	24.1	103	-0.05
25		ethyl ether	1.923	1.346	30.0#	87	-0.05
26	C	1,1-dichloroethene	1.047	0.805	23.1	99	-0.05
27		tertiary butyl alcohol	1.506	1.066	29.2	94	-0.05
28	C	methylene chloride	0.832	0.773	7.1	118	-0.05
29	C	3-chloropropene	1.050	0.867	17.4	108	-0.05
30	C	carbon disulfide	1.616	1.410	12.7	111	-0.05
31		Freon 113	1.042	0.880	15.5	110	-0.05
32		trans-1,2-dichloroethene	0.959	0.739	22.9	99	-0.05
33	C	1,1-dichloroethane	1.240	0.980	21.0	102	-0.05
34	C	MTBE	1.568	1.299	17.2	107	-0.05
35	C	vinyl acetate	1.501	1.343	10.5	123	-0.04
36	C	2-butanone	1.609	1.379	14.3	107	-0.05
37		cis-1,2-dichloroethene	0.966	0.758	21.5	100	-0.05
38		Ethyl Acetate	0.241	0.188	22.0	101	-0.05
39	C	chloroform	1.162	1.037	10.8	113	-0.05
40		Tetrahydrofuran	0.829	0.711	14.2	110	-0.05

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	0.932	0.876	6.0	121	-0.05
42	C	1,2-dichloroethane	0.860	0.708	17.7	105	-0.05
43	I	1,4-difluorobenzene	1.000	1.000	0.0	117	-0.04
44	C	hexane	0.626	0.518	17.3	99	-0.05
45		diisopropyl ether	0.279	0.237	15.1	101	-0.04
46		tert-butyl ethyl ether	1.158	0.946	18.3	96	-0.05
48	C	1,1,1-trichloroethane	0.519	0.449	13.5	106	-0.04
49		1,1-dichloropropene	0.449	0.455	-1.3	119	-0.04
50	C	benzene	1.007	0.989	1.8	114	-0.05
52	C	carbon tetrachloride	0.417	0.426	-2.2	116	-0.05
53		cyclohexane	0.653	0.560	14.2	101	-0.05
54		tert-amyl methyl ether	0.878	0.823	6.3	110	-0.04
55		dibromomethane	0.313	0.291	7.0	111	-0.04
56	C	1,2-dichloropropane	0.399	0.351	12.0	103	-0.04
57		bromodichloromethane	0.551	0.546	0.9	113	-0.04
58	C	1,4-dioxane	0.225	0.196	12.9	104	-0.04
59	C	trichloroethene	0.378	0.332	12.2	104	-0.04
60	C	2,2,4-trimethylpentane	1.972	1.729	12.3	104	-0.04
61		methyl methacrylate	0.523	0.522	0.2	116	-0.04
62		heptane	0.728	0.731	-0.4	118	-0.04
63	C	cis-1,3-dichloropropene	0.480	0.475	1.0	112	-0.04
64	C	4-methyl-2-pentanone	0.884	0.896	-1.4	118	-0.03
65		trans-1,3-dichloropropene	0.357	0.349	2.2	110	-0.03
66	C	1,1,2-trichloroethane	0.356	0.327	8.1	106	-0.03
67	I	chlorobenzene-D5	1.000	1.000	0.0	124	-0.02
68	C	toluene	5.133	4.385	14.6	103	-0.03
71		1,3-dichloropropane	2.407	2.475	-2.8	123	-0.03
72		2-hexanone	3.573	3.563	0.3	118	-0.03
74		dibromochloromethane	2.117	1.907	9.9	106	-0.03
75	C	1,2-dibromoethane	2.161	2.134	1.2	118	-0.03
76		butyl acetate	0.611	0.572	6.4	114	-0.03
77		octane	1.876	1.756	6.4	114	-0.03
78	C	tetrachloroethene	1.826	1.606	12.0	106	-0.03
79		1,1,1,2-tetrachloroethane	1.655	1.543	6.8	113	-0.03
80	C	chlorobenzene	3.723	3.546	4.8	114	-0.03
81	C	ethylbenzene	6.651	5.908	11.2	105	-0.02
83	C	m+p-xylene	5.281	4.832	8.5	107	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84	C	bromoform	1.646	1.592	3.3	113	-0.02
85	C	styrene	3.751	3.619	3.5	115	-0.02
86	C	1,1,2,2-tetrachloroethane	3.748	3.754	-0.2	117	-0.03
87	C	o-xylene	5.345	4.874	8.8	106	-0.03
88		1,2,3-trichloropropane	2.917	2.960	-1.5	122	-0.03
89		nonane	4.875	5.038	-3.3	126	-0.02
91	C	isopropylbenzene	6.556	6.439	1.8	119	-0.02
92		bromobenzene	3.898	3.914	-0.4	123	-0.02
93		2-chlorotoluene	1.772	1.612	9.0	110	-0.02
94		n-propylbenzene	2.041	1.896	7.1	114	-0.02
95		4-chlorotoluene	1.792	1.676	6.5	117	-0.02
96		4-ethyl toluene	6.815	6.389	6.3	115	-0.02
97		1,3,5-trimethylbenzene	5.708	5.387	5.6	116	-0.02
98		tert-butylbenzene	5.972	5.556	7.0	114	-0.02
99		1,2,4-trimethylbenzene	6.086	5.601	8.0	115	-0.02
100		decane	5.906	5.571	5.7	113	-0.02
101	C	Benzyl Chloride	4.532	3.943	13.0	100	-0.02
102		1,3-dichlorobenzene	3.564	3.466	2.7	114	-0.02
103	C	1,4-dichlorobenzene	3.533	3.452	2.3	119	-0.02
104		sec-butylbenzene	8.278	8.258	0.2	121	-0.02
106		p-isopropyltoluene	7.635	7.102	7.0	113	-0.02
107		1,2-dichlorobenzene	3.604	3.258	9.6	103	-0.02
108		n-butylbenzene	6.955	6.673	4.1	114	-0.02
111	C	1,2-dibromo-3-chloropropane	1.763	1.847	-4.8	122	-0.02
112		undecane	6.762	6.405	5.3	110	-0.03
114		dodecane	7.086	6.542	7.7	103	-0.02
115	C	1,2,4-trichlorobenzene	2.433	2.285	6.1	100	-0.02
116		naphthalene	8.842	7.448	15.8	103	-0.02
117		1,2,3-trichlorobenzene	2.375	2.234	5.9	102	-0.02
119	C	hexachlorobutadiene	2.090	1.987	4.9	104	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.242	49	486961	10.000	ppbV	-0.05
Standard Area = 486961			Recovery = 100.00%			
43) 1,4-difluorobenzene	11.497	114	916541	10.000	ppbV	-0.04
Standard Area = 916541			Recovery = 100.00%			
67) chlorobenzene-D5	16.175	54	216453	10.000	ppbV	-0.02
Standard Area = 216453			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) chlorodifluoromethane	3.922	51	463567	9.565	ppbV	99
3) propylene	3.952	41	285254M6	8.441	ppbV	
4) propane	3.976	29	388491	8.930	ppbV	97
5) dichlorodifluoromethane	4.030	85	547837	8.986	ppbV	98
6) chloromethane	4.198	50	303864	9.250	ppbV	98
7) Freon-114	4.306	85	603138	8.940	ppbV	89
8) methanol	4.390	31	817851	40.208	ppbV	94
9) vinyl chloride	4.432	62	281932	7.350	ppbV	98
10) 1,3-butadiene	4.582	54	259348	8.486	ppbV	88
11) butane	4.636	43	488352	8.338	ppbV	98
13) bromomethane	4.870	94	188769	7.315	ppbV	99
14) chloroethane	5.068	64	128867	6.990	ppbV	99
15) ethanol	5.224	31	1652177	41.223	ppbV	100
16) dichlorofluoromethane	5.182	67	508643	9.531	ppbV #	99
17) vinyl bromide	5.453	106	174209	7.406	ppbV	97
18) acrolein	5.590	56	151012	8.416	ppbV	92
19) acetone	5.737	43	1972395	40.880	ppbV	98
20) acetonitrile	5.453	41	325224	9.057	ppbV	99
21) trichlorofluoromethane	5.920	101	454054	8.532	ppbV	99
22) isopropyl alcohol	6.037	45	1273651	20.724	ppbV	98
23) acrylonitrile	6.273	53	250104	8.345	ppbV	97
24) pentane	6.330	43	639797	7.591	ppbV	97
25) ethyl ether	6.363	31	655489	6.999	ppbV	95
26) 1,1-dichloroethene	6.642	61	392209	7.695	ppbV	99
27) tertiary butyl alcohol	6.708	59	519309	7.081	ppbV #	85
28) methylene chloride	6.792	49	376339	9.287	ppbV	92
29) 3-chloropropene	6.924	41	422187	8.259	ppbV	99
30) carbon disulfide	7.092	76	686840	8.731	ppbV	98
31) Freon 113	7.092	101	428629	8.449	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	7.858	61	359820	7.706	ppbV		100
33) 1,1-dichloroethane	8.092	63	477375	7.908	ppbV		98
34) MTBE	8.158	73	632718	8.289	ppbV		94
35) vinyl acetate	8.283	43	654092	8.951	ppbV		97
36) 2-butanone	8.542	43	671526	8.571	ppbV		98
37) cis-1,2-dichloroethene	9.050	61	369160	7.847	ppbV		99
38) Ethyl Acetate	9.325	61	91642	7.797	ppbV	#	46
39) chloroform	9.400	83	504927	8.920	ppbV		97
40) Tetrahydrofuran	9.842	42	346301	8.578	ppbV		98
41) 2,2-dichloropropane	9.417	77	426480	9.397	ppbV		97
42) 1,2-dichloroethane	10.242	62	344713	8.229	ppbV		97
44) hexane	9.308	57	475010	8.273	ppbV		86
45) diisopropyl ether	9.308	87	217481	8.503	ppbV	#	64
46) tert-butyl ethyl ether	9.925	59	866826	8.166	ppbV		99
48) 1,1,1-trichloroethane	10.542	97	411540	8.651	ppbV		98
49) 1,1-dichloropropene	10.910	75	416764	10.116	ppbV		97
50) benzene	11.070	78	906274	9.815	ppbV		98
52) carbon tetrachloride	11.243	117	390825	10.215	ppbV		93
53) cyclohexane	11.390	56	513688	8.576	ppbV		96
54) tert-amyl methyl ether	11.763	73	754742	9.377	ppbV		96
55) dibromomethane	11.990	93	266768	9.313	ppbV		93
56) 1,2-dichloropropane	12.023	63	321293	8.784	ppbV		98
57) bromodichloromethane	12.250	83	500192	9.911	ppbV		99
58) 1,4-dioxane	12.290	88	179347	8.693	ppbV		96
59) trichloroethene	12.303	130	304452	8.786	ppbV		99
60) 2,2,4-trimethylpentane	12.350	57	1584445	8.768	ppbV		93
61) methyl methacrylate	12.543	41	478029	9.963	ppbV		98
62) heptane	12.663	43	669748	10.036	ppbV		90
63) cis-1,3-dichloropropene	13.317	75	434924	9.883	ppbV		96
64) 4-methyl-2-pentanone	13.358	43	820803	10.134	ppbV		91
65) trans-1,3-dichloropropene	13.942	75	319903	9.786	ppbV		97
66) 1,1,2-trichloroethane	14.133	97	299987	9.187	ppbV		99
68) toluene	14.442	91	949237	8.544	ppbV		98
71) 1,3-dichloropropane	14.467	76	535802	10.283	ppbV		98
72) 2-hexanone	14.708	43	771269	9.973	ppbV		93
74) dibromochloromethane	14.875	129	412738	9.009	ppbV		94
75) 1,2-dibromoethane	15.117	107	461889	9.876	ppbV		96
76) butyl acetate	15.350	73	123741	9.363	ppbV		92
77) octane	15.442	85	380015	9.357	ppbV		88
78) tetrachloroethene	15.575	166	347657	8.795	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On : 19 Dec 2025 10:50 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-2,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

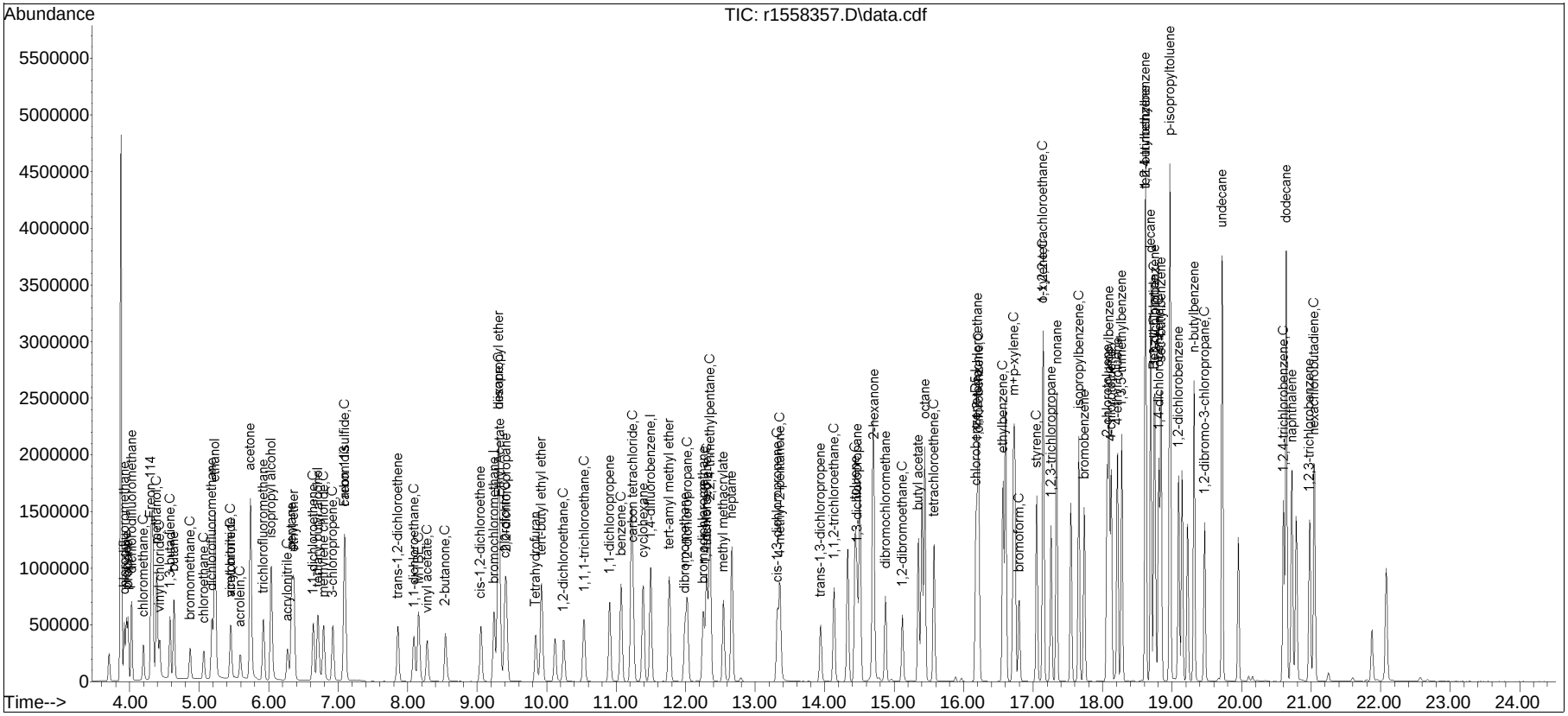
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
79) 1,1,1,2-tetrachloroethane	16.200	131	334026	9.325	ppbV		97
80) chlorobenzene	16.217	112	767438	9.523	ppbV		98
81) ethylbenzene	16.567	91	1278744	8.883	ppbV		93
83) m+p-xylene	16.725	91	2091945	18.301	ppbV		96
84) bromoform	16.800	173	344623	9.670	ppbV		99
85) styrene	17.050	104	783263	9.647	ppbV		98
86) 1,1,2,2-tetrachloroethane	17.142	83	812668	10.017	ppbV		99
87) o-xylene	17.142	91	1055058	9.120	ppbV		92
88) 1,2,3-trichloropropane	17.258	75	640662	10.146	ppbV		98
89) nonane	17.342	43	1090451	10.333	ppbV	#	88
91) isopropylbenzene	17.658	105	1393828	9.822	ppbV		95
92) bromobenzene	17.733	77	847263	10.043	ppbV		100
93) 2-chlorotoluene	18.067	126	349010	9.098	ppbV		91
94) n-propylbenzene	18.092	120	410399	9.289	ppbV		99
95) 4-chlorotoluene	18.125	126	362707	9.353	ppbV		97
96) 4-ethyl toluene	18.217	105	1382938	9.375	ppbV		95
97) 1,3,5-trimethylbenzene	18.275	105	1165948	9.437	ppbV		98
98) tert-butylbenzene	18.617	119	1202538	9.303	ppbV		100
99) 1,2,4-trimethylbenzene	18.617	105	1212337	9.203	ppbV		97
100) decane	18.692	57	1205967	9.434	ppbV		90
101) Benzyl Chloride	18.742	91	853444	8.699	ppbV		98
102) 1,3-dichlorobenzene	18.750	146	750118	9.724	ppbV		99
103) 1,4-dichlorobenzene	18.808	146	747281	9.772	ppbV		100
104) sec-butylbenzene	18.842	105	1787417	9.976	ppbV		94
106) p-isopropyltoluene	18.967	119	1537348	9.302	ppbV		98
107) 1,2-dichlorobenzene	19.092	146	705216	9.041	ppbV	#	86
108) n-butylbenzene	19.317	91	1444416	9.594	ppbV		99
111) 1,2-dibromo-3-chloropr...	19.467	75	399896	10.481	ppbV		93
112) undecane	19.717	57	1386415	9.473	ppbV		93
114) dodecane	20.642	57	1416084	9.232	ppbV		89
115) 1,2,4-trichlorobenzene	20.600	180	494487	9.388	ppbV		93
116) naphthalene	20.725	128	1612113	8.423	ppbV		100
117) 1,2,3-trichlorobenzene	20.975	180	483494	9.404	ppbV		95
119) hexachlorobutadiene	21.042	225	429985	9.504	ppbV		98

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

```
Sub List     : Default-LCS-AP2 - All compounds listedr1558357.D

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558357.D
Acq On    : 19 Dec 2025  10:50 AM
Operator  : AIRLAB15:TPH
Sample    : WG2156391-2,3,250,250
Misc      : WG2156391,ICAL22781
ALS Vial  : 0   Sample Multiplier: 1

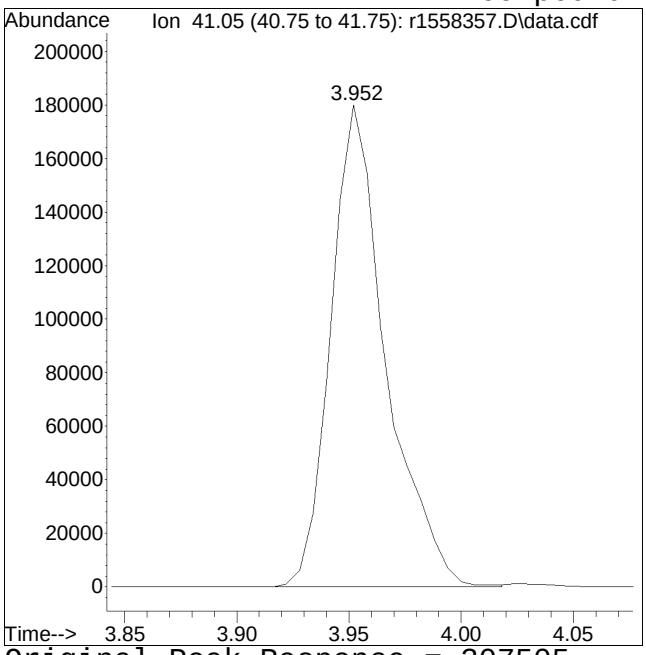
Quant Time: Dec 19 12:18:55 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title  : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration
```



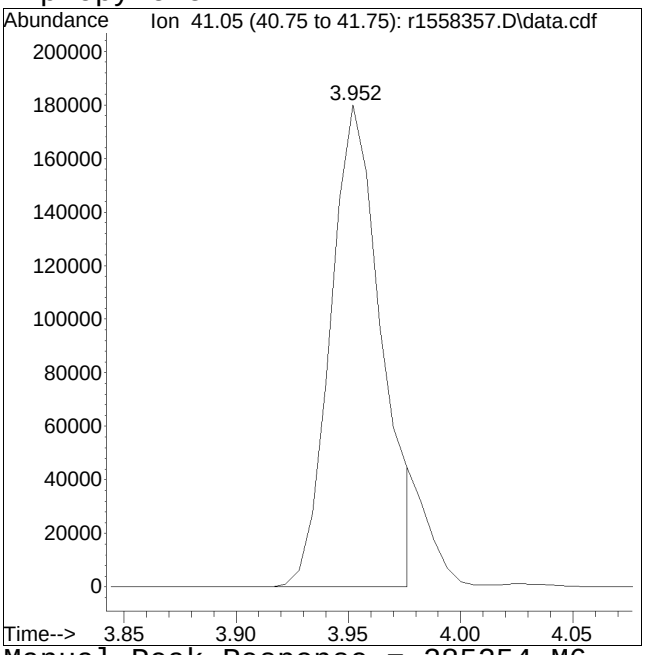
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1558357.D Operator : AIRLAB15:TPH
Date Inj'd : 12/19/2025 10:50 AM Instrument :
Sample : WG2156391-2,3,250,250 Quant Date : 12/19/2025 12:18 pm

Compound #3: propylene



Original Peak Response = 307505



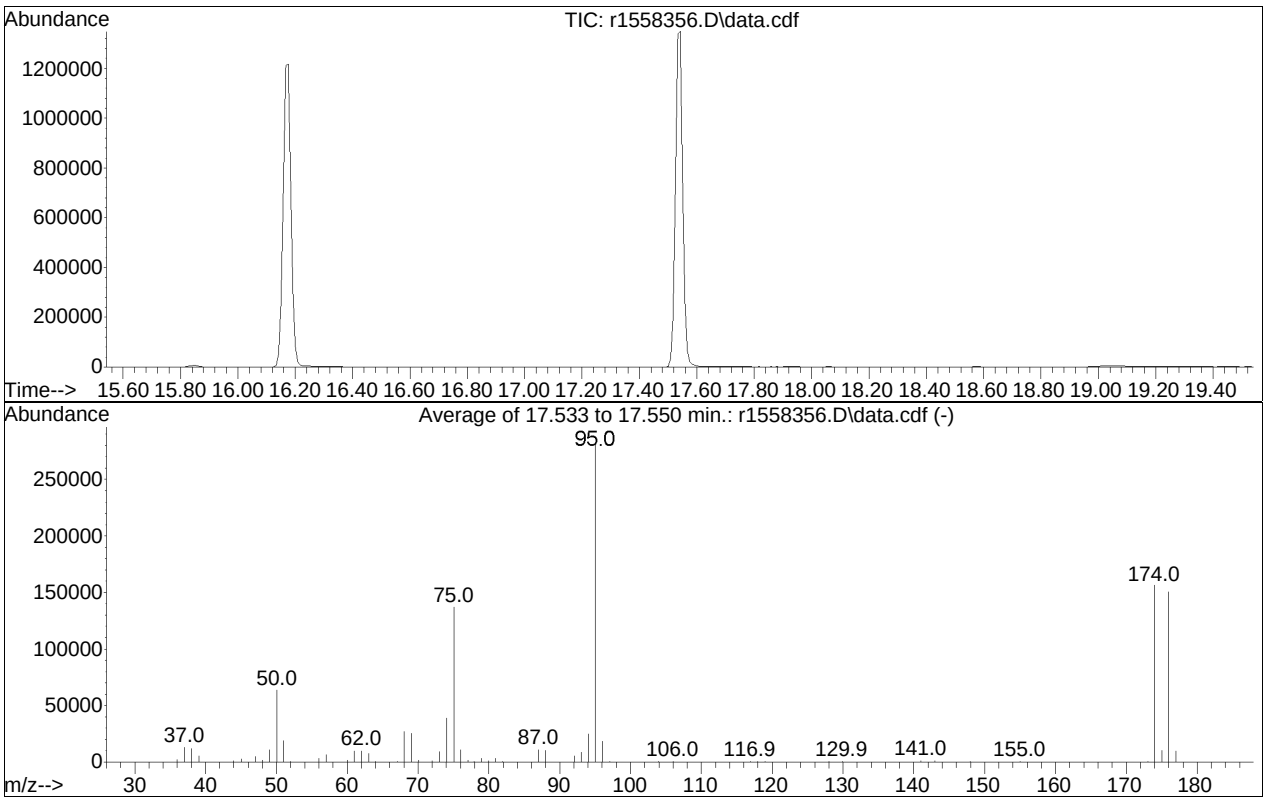
Manual Peak Response = 285254 M6

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

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558356.D
Acq On : 19 Dec 2025 10:11 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-1,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Mon Nov 03 09:21:43 2025



Spectrum Information: Average of 17.533 to 17.550 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.5	63682	PASS
75	95	30	66	48.6	137242	PASS
95	95	100	100	100.0	282517	PASS
96	95	5	9	6.4	18222	PASS
173	174	0.00	2	0.5	833	PASS
174	95	50	120	55.4	156382	PASS
175	174	4	9	6.7	10464	PASS
176	174	93	101	96.3	150553	PASS
177	176	5	9	6.3	9514	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752984.D
Acq On : 18 Dec 2025 4:26 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-4,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:11:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	345740	10.000	ppbV	-0.07
Standard Area = 341577			Recovery = 101.22%			
43) 1,4-difluorobenzene	10.990	114	863655	10.000	ppbV	-0.06
Standard Area = 849055			Recovery = 101.72%			
67) chlorobenzene-D5	15.758	54	135330	10.000	ppbV	-0.05
Standard Area = 140112			Recovery = 96.59%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.850		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	4.804		0	N.D.		
15) ethanol	4.942	31	3025	0.152	ppbV	96
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.453	43	2605	0.078	ppbV #	89
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	5.717		0	N.D.		
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	6.366		0	N.D.		
28) methylene chloride	6.414	49	1599	0.056	ppbV	90
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	6.708		0	N.D.		
31) Freon 113	0.000		0	N.D.		
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
36) 2-butanone	8.192		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.		

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752984.D
Acq On : 18 Dec 2025 4:26 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-4,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:11:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	0.000		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	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	13.958		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	16.758		0	N.D.		
87) o-xylene	16.775		0	N.D.		
96) 4-ethyl toluene	17.908		0	N.D.		
97) 1,3,5-trimethylbenzene	17.908		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267		0	N.D.		
101) Benzyl Chloride	18.275		0	N.D.		
102) 1,3-dichlorobenzene	18.425		0	N.D.		
103) 1,4-dichlorobenzene	18.475		0	N.D.		
107) 1,2-dichlorobenzene	18.750		0	N.D.		
115) 1,2,4-trichlorobenzene	20.225		0	N.D.		
116) naphthalene	20.333		0	N.D.		
119) hexachlorobutadiene	20.650		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752984.D
Acq On : 18 Dec 2025 4:26 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-4,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:11:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

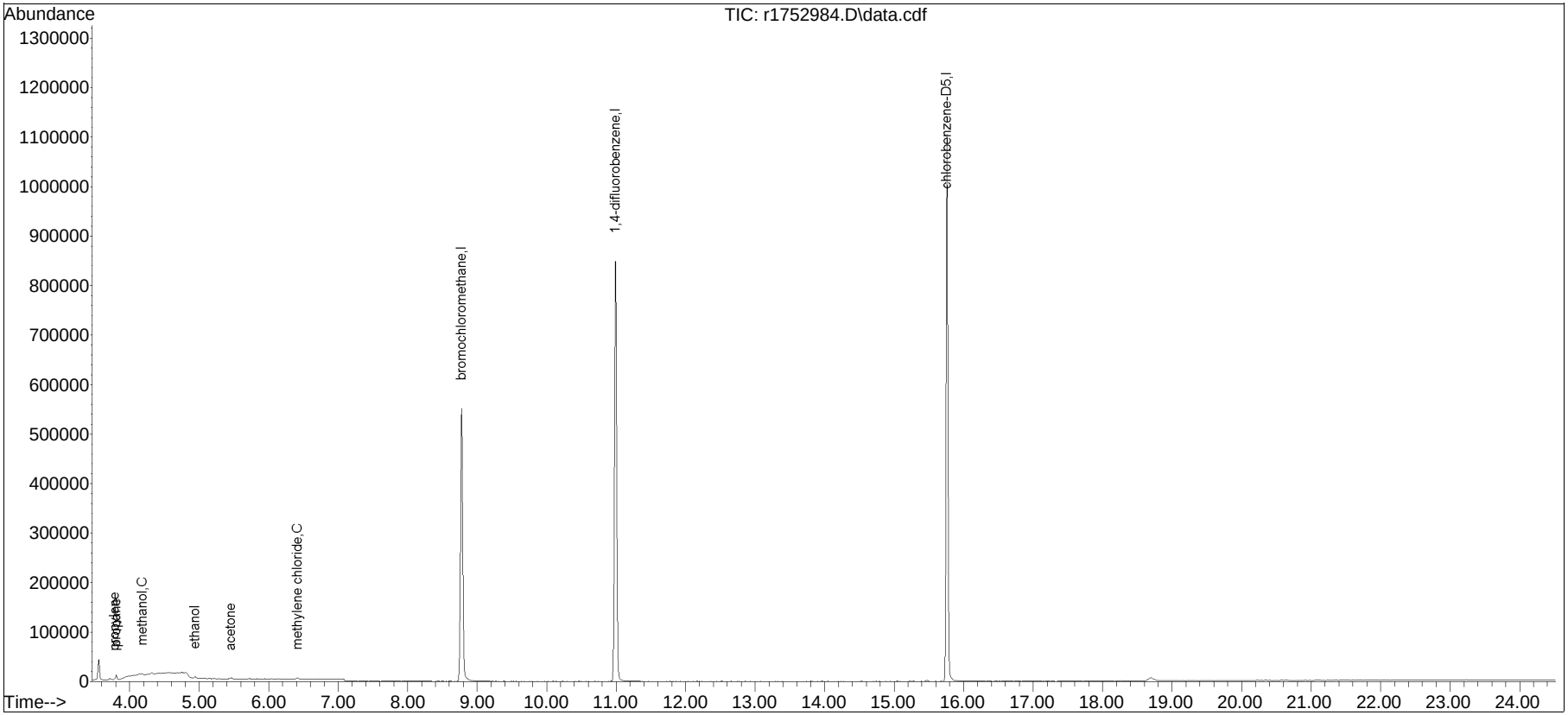
CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

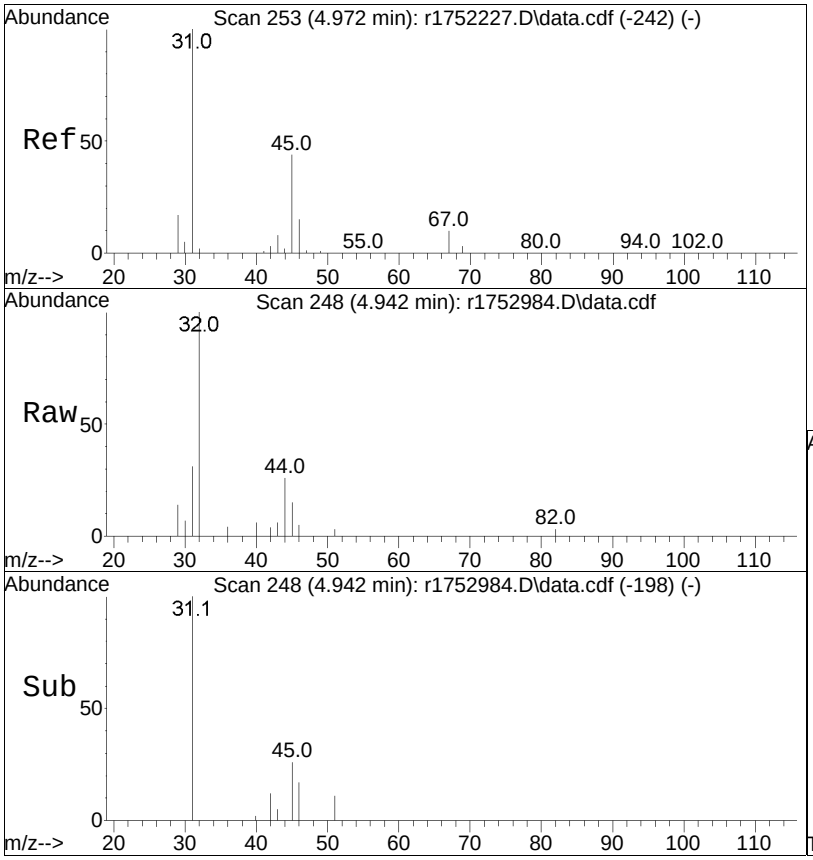
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752984.D
Acq On : 18 Dec 2025 4:26 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-4,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:11:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

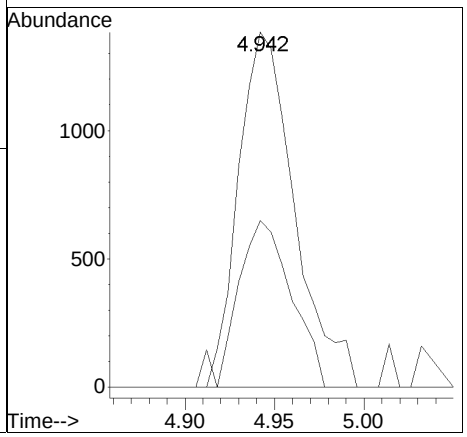


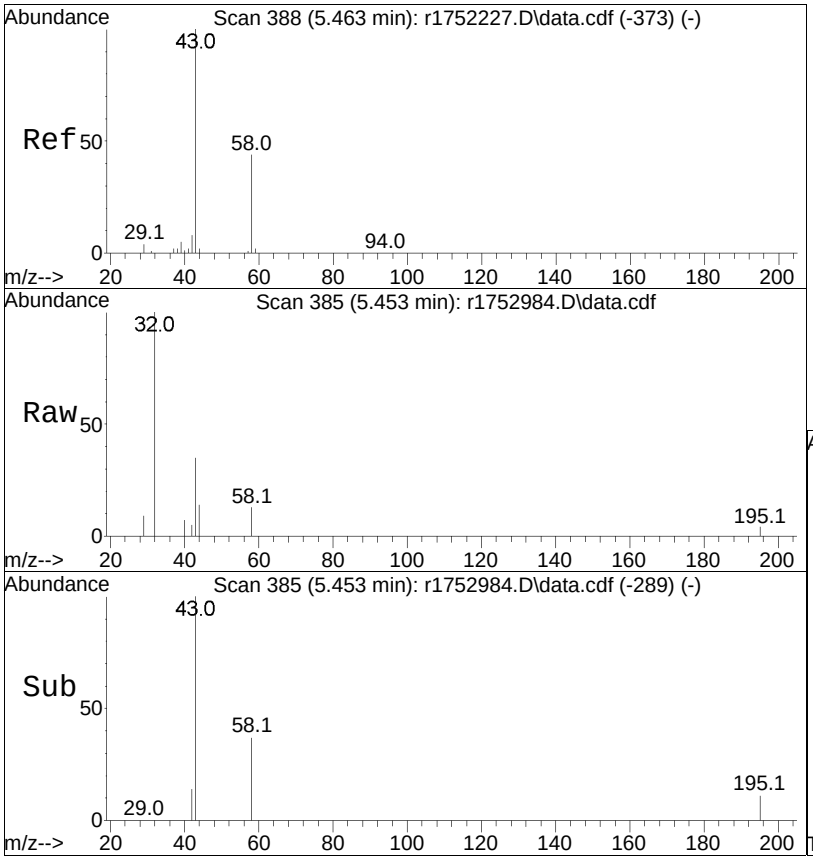


#15
ethanol
Concen: 0.15 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752984.D
Acq: 18 Dec 2025 4:26 PM

Tgt Ion: 31 Resp: 3025

Ion	Ratio	Lower	Upper
31	100		
45	46.9	35.3	52.9

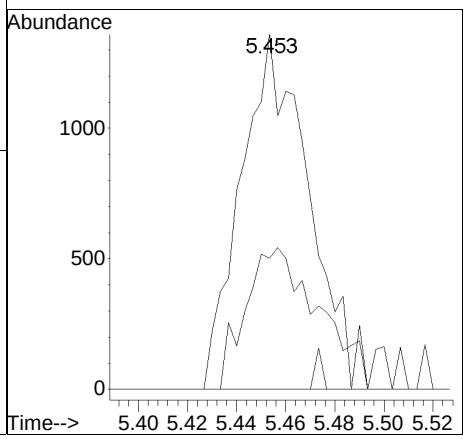


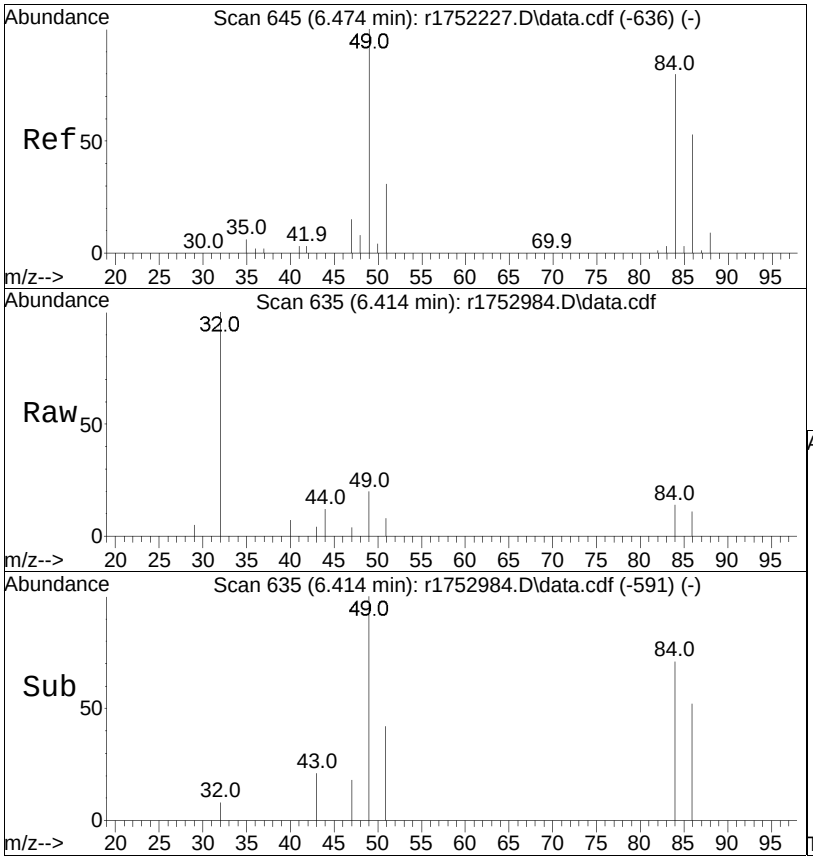


#19
acetone
Concen: 0.08 ppbV
RT: 5.453 min Scan# 385
Delta R.T. -0.010 min
Lab File: r1752984.D
Acq: 18 Dec 2025 4:26 PM

Tgt Ion: 43 Resp: 2605

Ion	Ratio	Lower	Upper
43	100		
58	36.9	35.1	52.7
57	0.0	0.9	1.3#

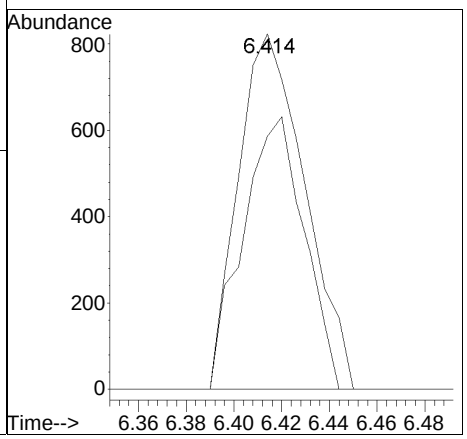




#28
methylene chloride
Concen: 0.06 ppbV
RT: 6.414 min Scan# 635
Delta R.T. -0.060 min
Lab File: r1752984.D
Acq: 18 Dec 2025 4:26 PM

Tgt Ion: 49 Resp: 1599

Ion	Ratio	Lower	Upper
49	100		
84	71.2	64.2	96.2



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TFS17_251105.M
Data File	: r1752984.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 4:26 PM	Instrument	:
Sample	: WG2155823-4,3,250,250	Quant Date	: 12/18/2025 8:11 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237335.D
Acq On : 18 Dec 2025 04:52 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-4,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 20:07:01 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.876	49	206812	10.000	ppbV		0.00
Standard Area = 206017			Recovery = 100.39%				
43) 1,4-difluorobenzene	11.052	114	785690	10.000	ppbV		0.00
Standard Area = 824395			Recovery = 95.31%				
67) chlorobenzene-D5	15.731	54	98427	10.000	ppbV		0.00
Standard Area = 102778			Recovery = 95.77%				
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	5.033	31	1623	0.204	ppbV		84
17) vinyl bromide	0.000		0	N.D.			
19) acetone	5.543	43	3635	0.180	ppbV	#	95
21) trichlorofluoromethane	0.000		0	N.D.			
22) isopropyl alcohol	5.829	45	744	0.035	ppbV	#	86
26) 1,1-dichloroethene	0.000		0	N.D.			
27) tertiary butyl alcohol	0.000		0	N.D.			
28) methylene chloride	6.510	49	748	0.042	ppbV		93
29) 3-chloropropene	0.000		0	N.D.			
30) carbon disulfide	6.818		0	N.D.			
31) Freon 113	0.000		0	N.D.			
32) trans-1,2-dichloroethene	0.000		0	N.D.			
33) 1,1-dichloroethane	0.000		0	N.D.			
34) MTBE	0.000		0	N.D.			
36) 2-butanone	8.267		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.			

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237335.D
Acq On : 18 Dec 2025 04:52 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-4,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 20:07:01 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	0.000		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	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	13.977		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	0.000		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	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.095		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237335.D
Acq On : 18 Dec 2025 04:52 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-4,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 20:07:01 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

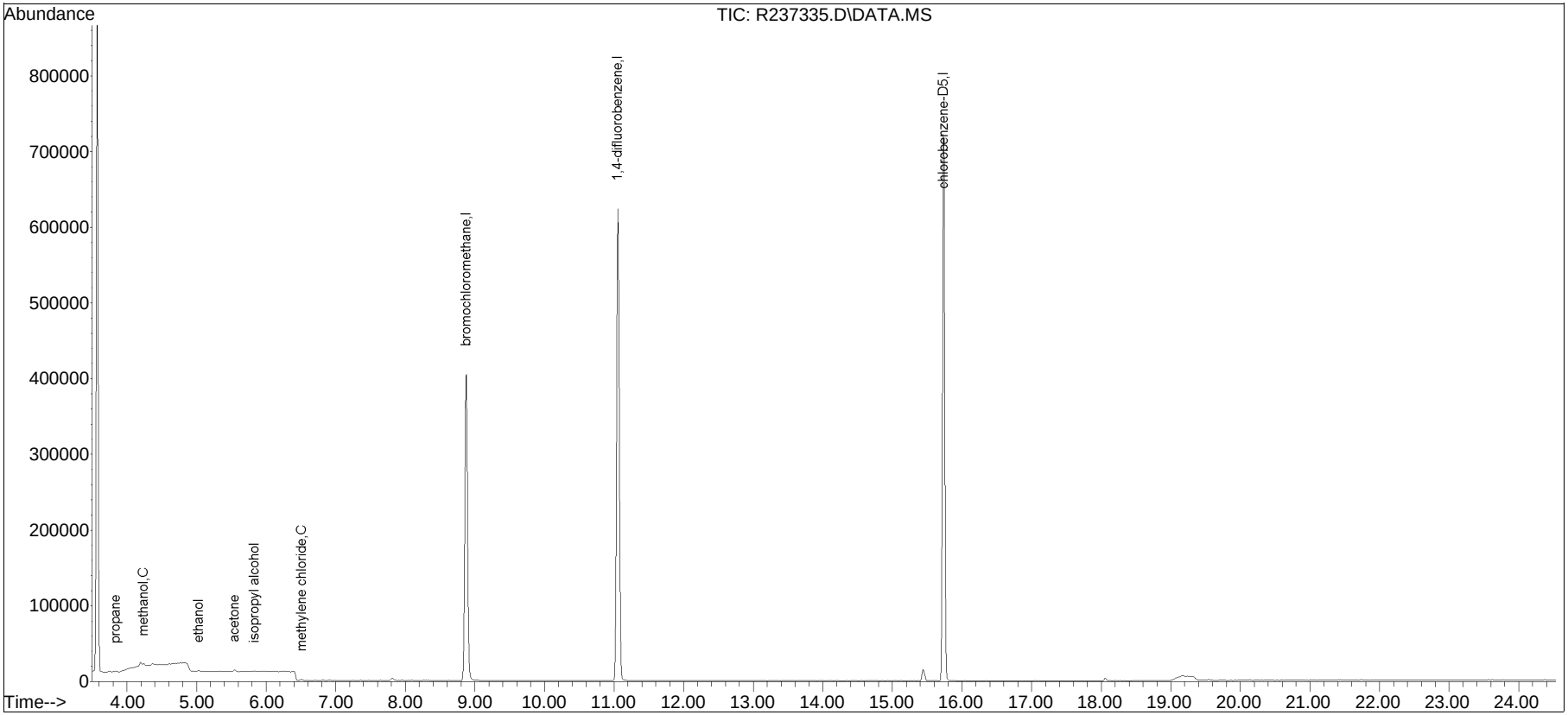
CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

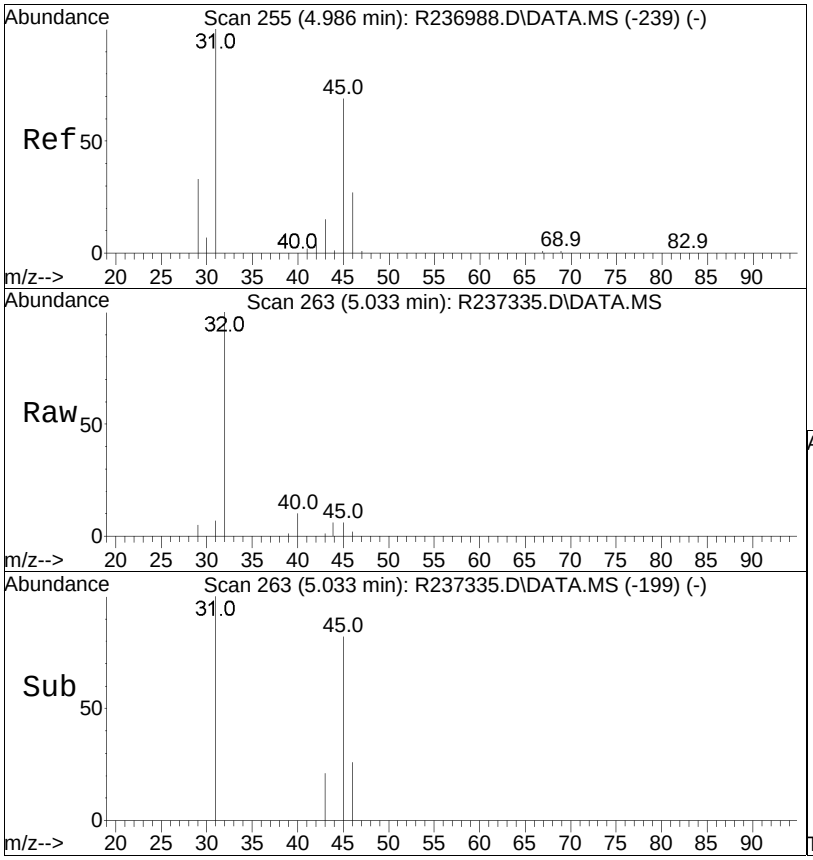
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedR237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237335.D
Acq On : 18 Dec 2025 04:52 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-4,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 20:07:01 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

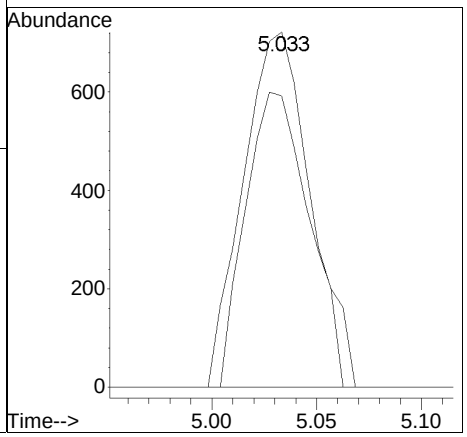


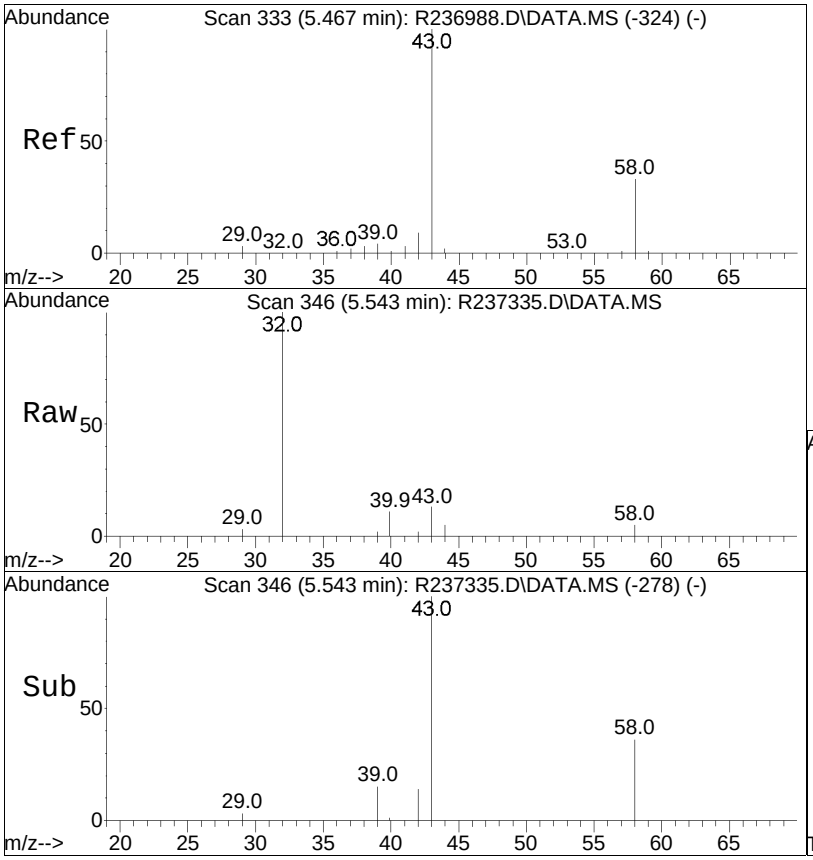


#15
ethanol
Concen: 0.20 ppbV
RT: 5.033 min Scan# 263
Delta R.T. 0.047 min
Lab File: R237335.D
Acq: 18 Dec 2025 04:52 pm

Tgt Ion: 31 Resp: 1623

Ion	Ratio	Lower	Upper
31	100		
45	82.0	55.0	82.6

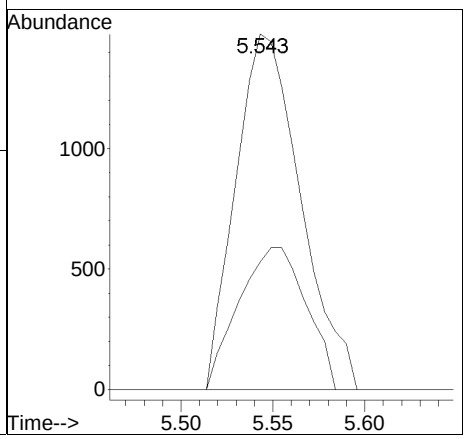


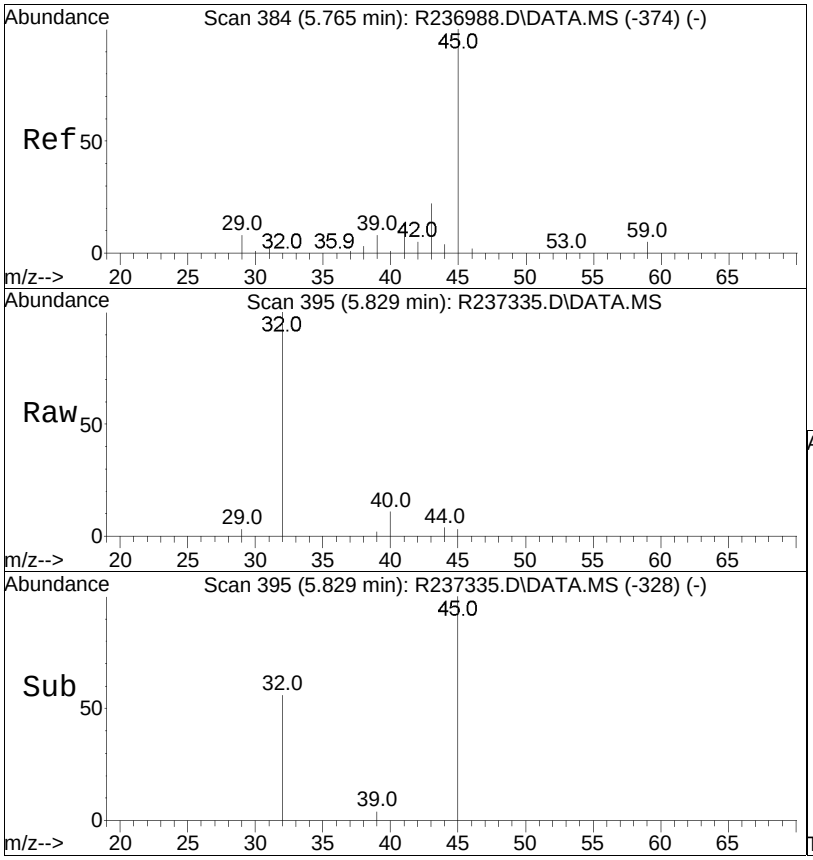


#19
acetone
Concen: 0.18 ppbV
RT: 5.543 min Scan# 346
Delta R.T. 0.076 min
Lab File: R237335.D
Acq: 18 Dec 2025 04:52 pm

Tgt Ion: 43 Resp: 3635

Ion	Ratio	Lower	Upper
43	100		
58	35.9	26.2	39.4
57	0.0	0.7	1.1#

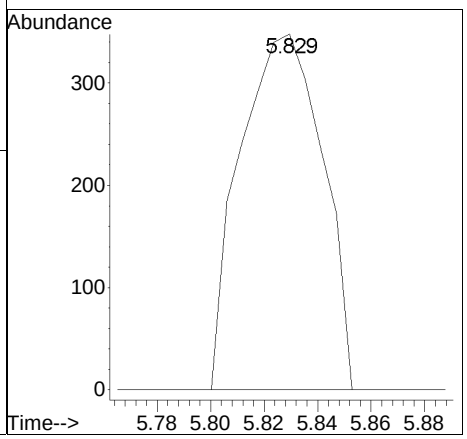


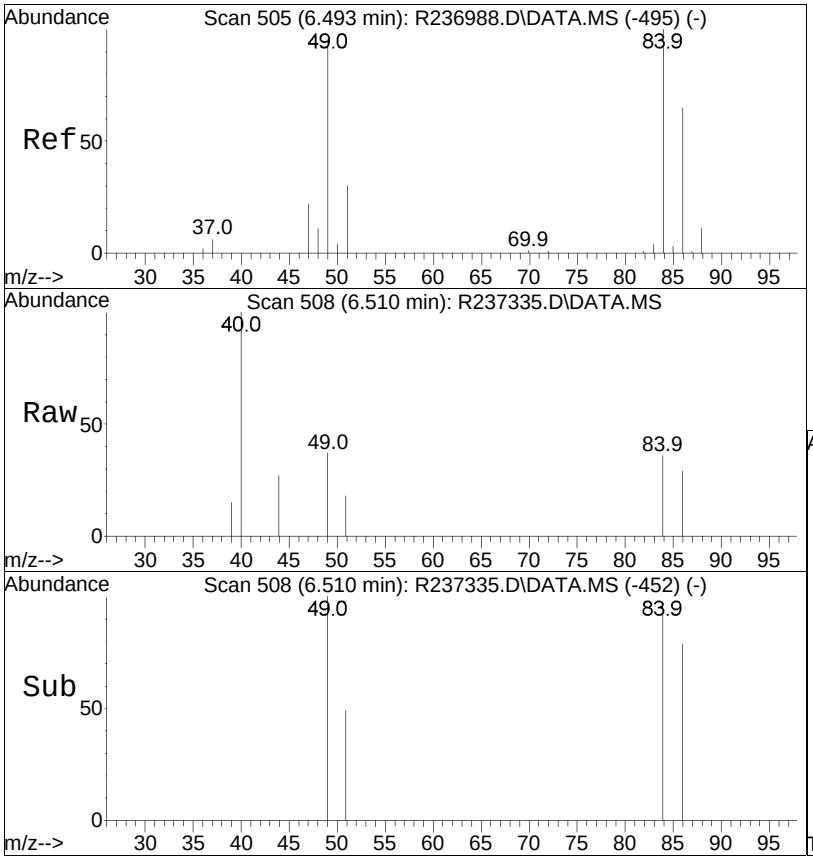


#22
isopropyl alcohol
Concen: 0.03 ppbV
RT: 5.829 min Scan# 395
Delta R.T. 0.064 min
Lab File: R237335.D
Acq: 18 Dec 2025 04:52 pm

Tgt Ion: 45 Resp: 744

Ion	Ratio	Lower	Upper
45	100		
59	0.0	3.8	5.6#

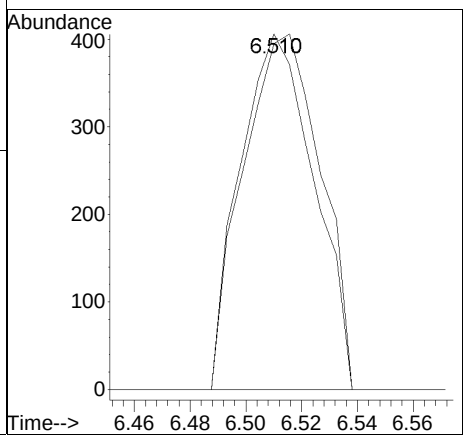




#28
methylene chloride
Concen: 0.04 ppbV
RT: 6.510 min Scan# 508
Delta R.T. 0.017 min
Lab File: R237335.D
Acq: 18 Dec 2025 04:52 pm

Tgt Ion: 49 Resp: 748

Ion	Ratio	Lower	Upper
49	100		
84	97.3	83.7	125.5



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab23\20	QMethod	: TFS23_251121.M
Data File	: R237335.D	Operator	: AIRLAB23:TPH
Date Inj'd	: 12/18/2025 4:52 pm	Instrument	: Airlab23
Sample	: WG2155905-4,3,250,250	Quant Date	: 12/18/2025 8:07 pm

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558360.D
Acq On : 19 Dec 2025 5:13 PM
Operator : AIRLAB15:TPH
Sample : WG2156391-4,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:47 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.258	49	439231	10.000	ppbV	-0.03
Standard Area = 486961			Recovery = 90.20%			
43) 1,4-difluorobenzene	11.510	114	783203	10.000	ppbV	-0.03
Standard Area = 916541			Recovery = 85.45%			
67) chlorobenzene-D5	16.183	54	181572	10.000	ppbV	-0.02
Standard Area = 216453			Recovery = 83.89%			
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	5.266	31	4265	0.118	ppbV	94
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.740		0	N.D.		
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	6.103		0	N.D.		
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.		
28) methylene chloride	6.810	49	1931	0.053	ppbV	96
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	7.116		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.		

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558360.D
Acq On : 19 Dec 2025 5:13 PM
Operator : AIRLAB15:TPH
Sample : WG2156391-4,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:47 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.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	11.090		0	N.D.		
52) carbon tetrachloride	0.000		0	N.D.		
53) cyclohexane	0.000		0	N.D.	d	
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	0.000		0	N.D.		
62) heptane	0.000		0	N.D.		
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	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	0.000		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	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	20.608		0	N.D.		
116) naphthalene	20.758		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\Airlab15\2025\12\1219T\
Data File : r1558360.D
Acq On : 19 Dec 2025 5:13 PM
Operator : AIRLAB15:TPH
Sample : WG2156391-4,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:47 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

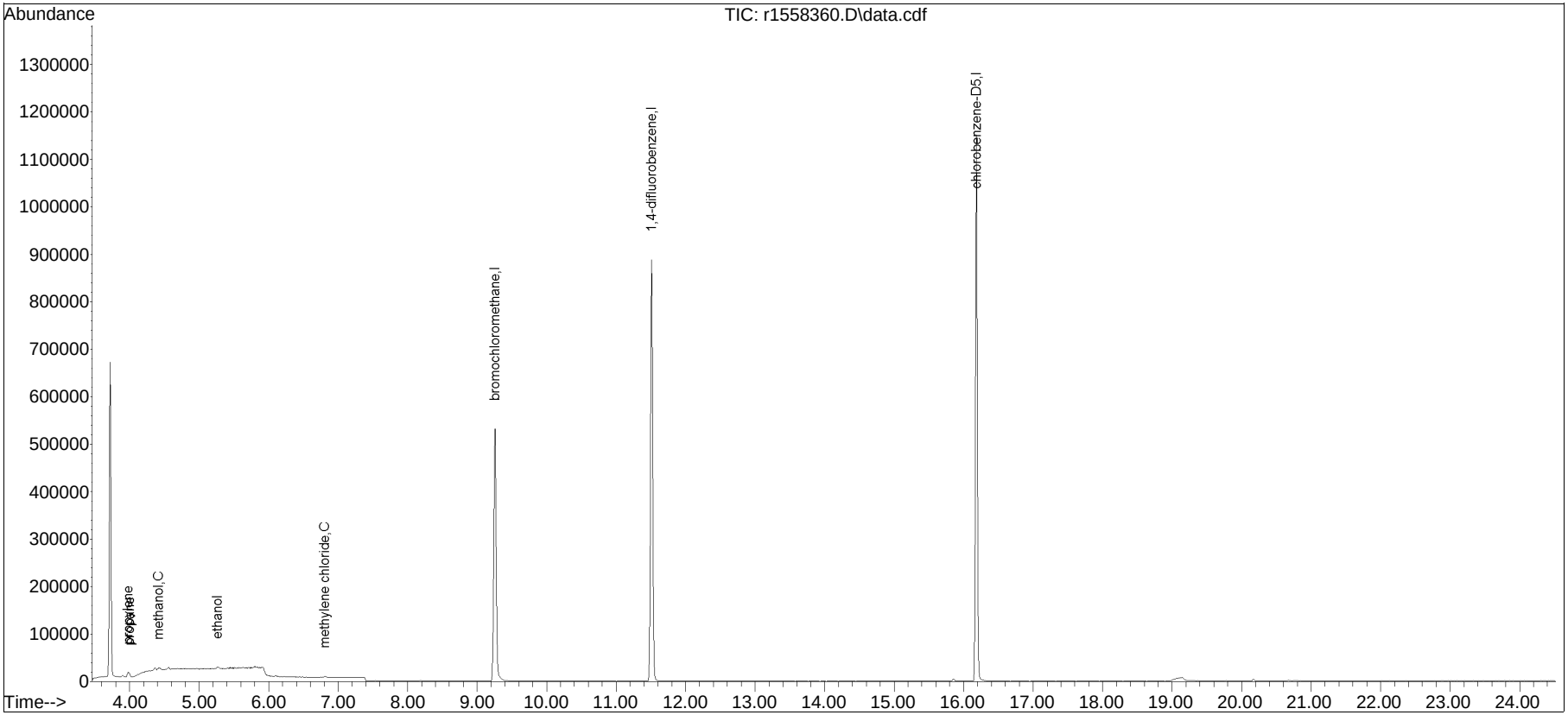
CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

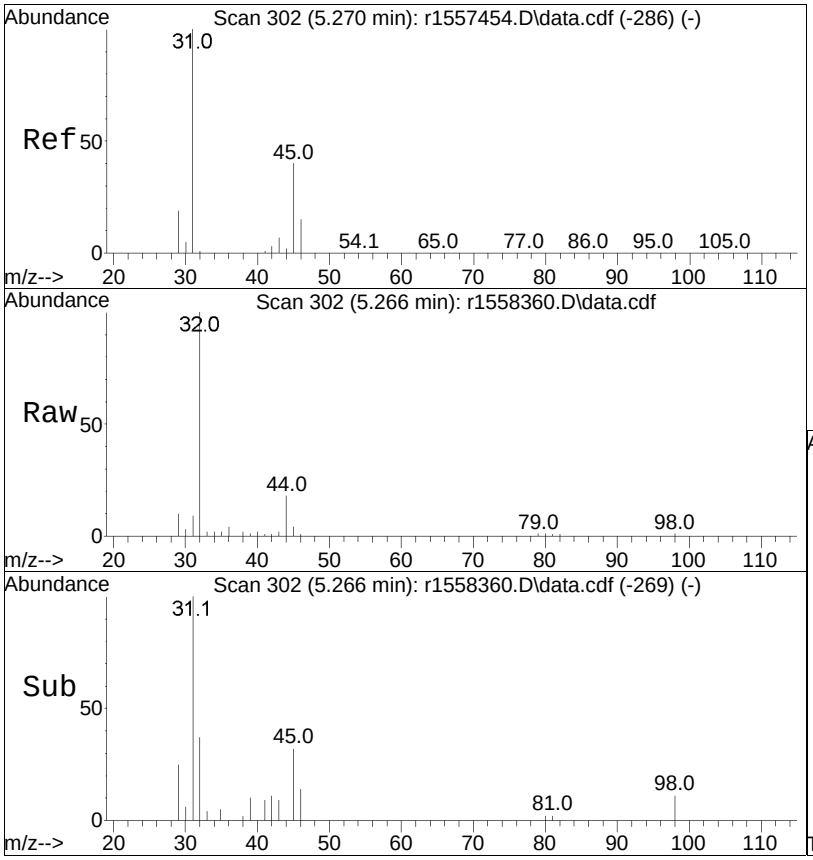
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1558357.D

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558360.D
Acq On : 19 Dec 2025 5:13 PM
Operator : AIRLAB15:TPH
Sample : WG2156391-4,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 08:22:47 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:43 2025
Response via : Initial Calibration

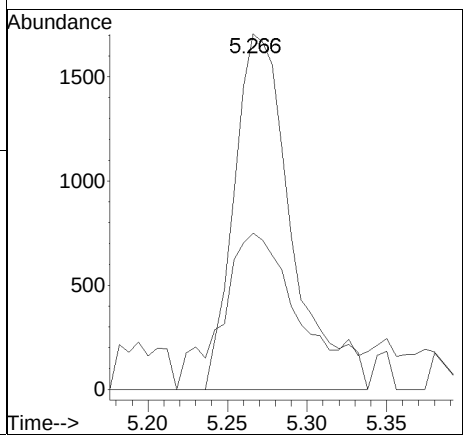


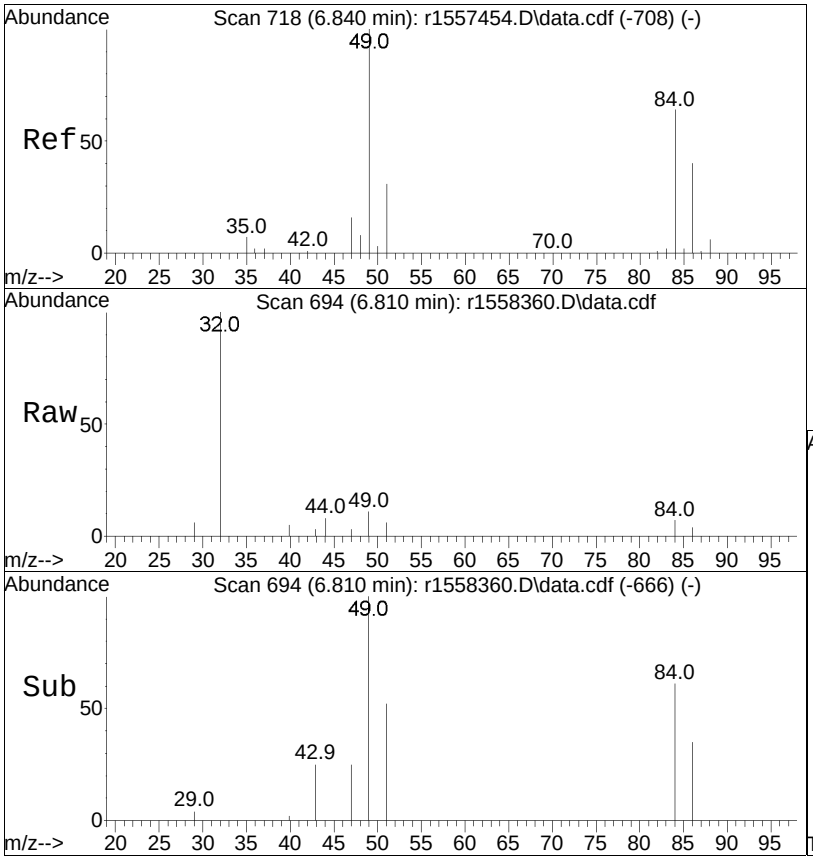


#15
ethanol
Concen: 0.12 ppbV
RT: 5.266 min Scan# 302
Delta R.T. -0.004 min
Lab File: r1558360.D
Acq: 19 Dec 2025 5:13 PM

Tgt Ion: 31 Resp: 4265

Ion	Ratio	Lower	Upper
31	100		
45	44.0	32.1	48.1

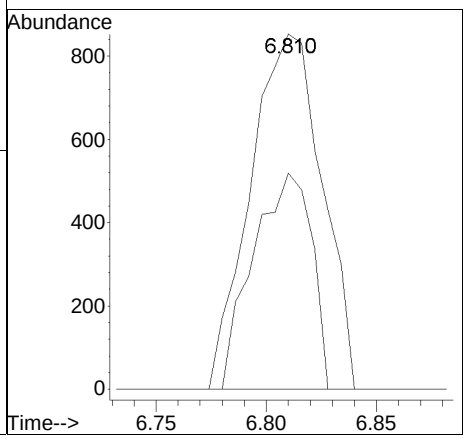




#28
methylene chloride
Concen: 0.05 ppbV
RT: 6.810 min Scan# 694
Delta R.T. -0.030 min
Lab File: r1558360.D
Acq: 19 Dec 2025 5:13 PM

Tgt Ion: 49 Resp: 1931

Ion	Ratio	Lower	Upper
49	100		
84	60.8	51.0	76.4



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab15\20	QMethod	: TFS15_251030.M
Data File	: r1558360.D	Operator	: AIRLAB15:TPH
Date Inj'd	: 12/19/2025 5:13 PM	Instrument	:
Sample	: WG2156391-4,3,250,250	Quant Date	: 12/20/2025 8:22 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	94	0.00
2		chlorodifluoromethane	10.000	11.317	-13.2	115	0.01
3		propylene	10.000	12.230	-22.3	133	0.01
4		propane	10.000	9.052	9.5	92	0.02
5		dichlorodifluoromethane	10.000	9.859	1.4	98	0.02
6	C	chloromethane	10.000	10.362	-3.6	102	0.02
7		Freon-114	10.000	10.714	-7.1	103	0.02
8	C	methanol	50.000	38.067	23.9	74	0.01
9	C	vinyl chloride	10.000	10.771	-7.7	106	0.01
10	C	1,3-butadiene	10.000	10.461	-4.6	109	0.01
11		butane	10.000	9.084	9.2	90	0.02
13	C	bromomethane	10.000	10.700	-7.0	103	0.01
14	C	chloroethane	10.000	10.864	-8.6	104	0.01
15		ethanol	50.000	40.192	19.6	77	0.01
16		dichlorofluoromethane	10.000	9.078	9.2	91	0.01
17	C	vinyl bromide	10.000	9.579	4.2	100	0.01
18	C	acrolein	10.000	8.595	14.0	83	0.02
19		acetone	50.000	48.934	2.1	105	0.01
20	C	acetonitrile	10.000	8.378	16.2	89	0.01
21		trichlorofluoromethane	10.000	8.933	10.7	88	0.02
22		isopropyl alcohol	25.000	20.864	16.5	93	0.00
23	C	acrylonitrile	10.000	8.911	10.9	90	0.01
24		pentane	10.000	9.008	9.9	91	0.01
25		ethyl ether	10.000	7.929	20.7	81	0.01
26	C	1,1-dichloroethene	10.000	10.731	-7.3	101	0.00
27		tertiary butyl alcohol	10.000	6.835	31.6#	72	0.00
28	C	methylene chloride	10.000	9.893	1.1	102	0.01
29	C	3-chloropropene	10.000	9.845	1.5	107	0.01
30	C	carbon disulfide	10.000	10.230	-2.3	108	0.02
31		Freon 113	10.000	9.099	9.0	91	0.01
32		trans-1,2-dichloroethene	10.000	10.229	-2.3	105	0.01
33	C	1,1-dichloroethane	10.000	10.241	-2.4	99	0.00
34	C	MTBE	10.000	9.561	4.4	100	0.00
35	C	vinyl acetate	10.000	6.441	35.6#	72	0.00
36	C	2-butanone	10.000	10.040	-0.4	104	0.01
37		cis-1,2-dichloroethene	10.000	10.043	-0.4	97	0.01
38		Ethyl Acetate	10.000	11.284	-12.8	116	0.01
39	C	chloroform	10.000	9.749	2.5	96	0.01
40		Tetrahydrofuran	10.000	10.587	-5.9	119	0.01

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	8.754	12.5	85	0.00
42	C	1,2-dichloroethane	10.000	9.666	3.3	94	0.00
43	I	1,4-difluorobenzene	10.000	10.000	0.0	92	0.00
44	C	hexane	10.000	11.330	-13.3	117	0.01
45		diisopropyl ether	10.000	9.671	3.3	90	0.00
46		tert-butyl ethyl ether	10.000	9.858	1.4	92	0.00
48	C	1,1,1-trichloroethane	10.000	8.984	10.2	86	0.01
49		1,1-dichloropropene	10.000	9.887	1.1	91	0.00
50	C	benzene	10.000	10.032	-0.3	93	0.00
52	C	carbon tetrachloride	10.000	8.722	12.8	84	0.01
53		cyclohexane	10.000	10.789	-7.9	111	0.00
54		tert-amyl methyl ether	10.000	9.200	8.0	86	0.00
55		dibromomethane	10.000	9.010	9.9	84	0.00
56	C	1,2-dichloropropane	10.000	10.809	-8.1	102	0.00
57		bromodichloromethane	10.000	10.217	-2.2	101	0.00
58	C	1,4-dioxane	10.000	10.205	-2.1	102	0.00
59	C	trichloroethene	10.000	8.455	15.4	80	0.00
60	C	2,2,4-trimethylpentane	10.000	11.081	-10.8	112	0.00
61		methyl methacrylate	10.000	8.725	12.8	84	0.00
62		heptane	10.000	10.659	-6.6	110	0.00
63	C	cis-1,3-dichloropropene	10.000	11.195	-12.0	102	0.00
64	C	4-methyl-2-pentanone	10.000	10.401	-4.0	101	0.00
65		trans-1,3-dichloropropene	10.000	12.369	-23.7	110	0.00
66	C	1,1,2-trichloroethane	10.000	9.651	3.5	90	0.00
67	I	chlorobenzene-D5	10.000	10.000	0.0	92	0.00
68	C	toluene	10.000	9.493	5.1	90	0.00
71		1,3-dichloropropane	10.000	9.207	7.9	88	0.00
72		2-hexanone	10.000	9.755	2.4	99	0.00
74		dibromochloromethane	10.000	9.315	6.9	94	0.00
75	C	1,2-dibromoethane	10.000	9.714	2.9	91	0.00
76		butyl acetate	10.000	9.539	4.6	90	0.00
77		octane	10.000	9.579	4.2	93	0.00
78	C	tetrachloroethene	10.000	9.246	7.5	90	0.00
79		1,1,1,2-tetrachloroethane	10.000	8.553	14.5	81	0.00
80	C	chlorobenzene	10.000	9.658	3.4	92	0.00
81	C	ethylbenzene	10.000	9.347	6.5	87	0.00
83	C	m+p-xylene	20.000	18.974	5.1	91	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	8.447	15.5	86	0.00
85	C	styrene	10.000	9.264	7.4	86	0.00
86	C	1,1,2,2-tetrachloroethane	10.000	10.195	-2.0	96	0.00
87	C	o-xylene	10.000	9.466	5.3	90	0.00
88		1,2,3-trichloropropane	10.000	9.173	8.3	89	0.00
89		nonane	10.000	8.910	10.9	88	0.00
91	C	isopropylbenzene	10.000	8.773	12.3	82	0.00
92		bromobenzene	10.000	8.728	12.7	85	0.00
93		2-chlorotoluene	10.000	8.107	18.9	78	0.00
94		n-propylbenzene	10.000	8.256	17.4	79	0.00
95		4-chlorotoluene	10.000	7.806	21.9	74	0.00
96		4-ethyl toluene	10.000	9.621	3.8	96	0.00
97		1,3,5-trimethylbenzene	10.000	9.480	5.2	88	0.00
98		tert-butylbenzene	10.000	8.843	11.6	81	0.00
99		1,2,4-trimethylbenzene	10.000	9.927	0.7	90	0.00
100		decane	10.000	9.247	7.5	90	0.00
101	C	Benzyl Chloride	10.000	8.410	15.9	77	0.00
102		1,3-dichlorobenzene	10.000	8.685	13.1	82	0.00
103	C	1,4-dichlorobenzene	10.000	8.548	14.5	79	0.00
104		sec-butylbenzene	10.000	8.537	14.6	81	0.00
106		p-isopropyltoluene	10.000	8.790	12.1	78	0.00
107		1,2-dichlorobenzene	10.000	8.614	13.9	81	0.00
108		n-butylbenzene	10.000	9.648	3.5	88	0.00
111	C	1,2-dibromo-3-chloropropane	10.000	8.221	17.8	75	0.00
112		undecane	10.000	9.853	1.5	89	0.00
114		dodecane	10.000	11.116	-11.2	93	0.00
115	C	1,2,4-trichlorobenzene	10.000	11.780	-17.8	97	0.00
116		naphthalene	10.000	9.596	4.0	75	0.00
117		1,2,3-trichlorobenzene	10.000	10.044	-0.4	82	0.00
119	C	hexachlorobutadiene	10.000	11.513	-15.1	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.876	49	202424	10.000	ppbV	0.00
Standard Area = 206017			Recovery = 98.26%			
43) 1,4-difluorobenzene	11.062	114	824120	10.000	ppbV	0.00
Standard Area = 824395			Recovery = 99.97%			
67) chlorobenzene-D5	15.731	54	118304	10.000	ppbV	0.00
Standard Area = 102778			Recovery = 115.11%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.874	85	539604	9.859	ppbV	99
6) chloromethane	4.038	50	157300	10.362	ppbV	99
7) Freon-114	4.144	85	702914	10.714	ppbV	90
9) vinyl chloride	4.255	62	217116	10.771	ppbV	100
10) 1,3-butadiene	4.395	54	135599	10.461	ppbV	90
13) bromomethane	4.670	94	263389	10.700	ppbV	99
14) chloroethane	4.852	64	128410	10.864	ppbV	99
15) ethanol	4.998	31	313685	40.192	ppbV	84
17) vinyl bromide	5.221	106	178826	9.579	ppbV	99
19) acetone	5.479	43	967323	48.934	ppbV	94
21) trichlorofluoromethane	5.677	101	521591	8.933	ppbV	100
22) isopropyl alcohol	5.771	45	434116	20.864	ppbV	99
26) 1,1-dichloroethene	6.364	61	334545	10.731	ppbV	96
27) tertiary butyl alcohol	6.415	59	178455	6.835	ppbV	97
28) methylene chloride	6.504	49	173758	9.893	ppbV	97
29) 3-chloropropene	6.633	41	139261	9.845	ppbV	95
30) carbon disulfide	6.806	76	478158	10.230	ppbV	95
31) Freon 113	6.801	101	426371	9.099	ppbV	92
32) trans-1,2-dichloroethene	7.541	61	233484	10.229	ppbV	94
33) 1,1-dichloroethane	7.757	63	328906	10.241	ppbV	99
34) MTBE	7.817	73	461853	9.561	ppbV	97
36) 2-butanone	8.196	43	253429	10.040	ppbV	99
37) cis-1,2-dichloroethene	8.696	61	247860	10.043	ppbV	94
38) Ethyl Acetate	8.957	61	53281	11.284	ppbV #	57
39) chloroform	9.030	83	444672	9.749	ppbV	99
40) Tetrahydrofuran	9.454	42	138023	10.587	ppbV	99
42) 1,2-dichloroethane	9.845	62	262087	9.666	ppbV	99
44) hexane	8.941	57	248201	11.330	ppbV	90

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1,1-trichloroethane	10.131	97	455496	8.984	ppbV		97
50) benzene	10.647	78	602360	10.032	ppbV		99
52) carbon tetrachloride	10.817	117	484863	8.722	ppbV		99
53) cyclohexane	10.949	56	237302	10.789	ppbV		93
56) 1,2-dichloropropane	11.571	63	203646	10.809	ppbV		93
57) bromodichloromethane	11.797	83	463446	10.217	ppbV		99
58) 1,4-dioxane	11.835	88	136381	10.205	ppbV		96
59) trichloroethene	11.844	130	303147	8.455	ppbV		96
60) 2,2,4-trimethylpentane	11.891	57	750783	11.081	ppbV		95
62) heptane	12.202	43	221634	10.659	ppbV		96
63) cis-1,3-dichloropropene	12.842	75	361520	11.195	ppbV		96
64) 4-methyl-2-pentanone	12.875	43	313924	10.401	ppbV		96
65) trans-1,3-dichloropropene	13.451	75	317005	12.369	ppbV		96
66) 1,1,2-trichloroethane	13.651	97	286674	9.651	ppbV		98
68) toluene	13.977	91	777494	9.493	ppbV		100
72) 2-hexanone	14.260	43	286863	9.755	ppbV	#	96
74) dibromochloromethane	14.435	129	525918	9.315	ppbV		100
75) 1,2-dibromoethane	14.686	107	467678	9.714	ppbV		99
78) tetrachloroethene	15.144	166	475009	9.246	ppbV		98
80) chlorobenzene	15.775	112	666269	9.658	ppbV		99
81) ethylbenzene	16.105	91	978658	9.347	ppbV		98
83) m+p-xylene	16.262	91	1509179	18.974	ppbV		98
84) bromoform	16.323	173	479056	8.447	ppbV		99
85) styrene	16.576	104	578884	9.264	ppbV		99
86) 1,1,2,2-tetrachloroethane	16.654	83	590093	10.195	ppbV		99
87) o-xylene	16.663	91	760963	9.466	ppbV		98
96) 4-ethyl toluene	17.681	105	1017227	9.621	ppbV		98
97) 1,3,5-trimethylbenzene	17.742	105	844274	9.480	ppbV		99
99) 1,2,4-trimethylbenzene	18.076	105	944658	9.927	ppbV		93
101) Benzyl Chloride	18.188	91	571640	8.410	ppbV		98
102) 1,3-dichlorobenzene	18.203	146	656153	8.685	ppbV		98
103) 1,4-dichlorobenzene	18.251	146	618717	8.548	ppbV		96
107) 1,2-dichlorobenzene	18.531	146	615142	8.614	ppbV		98
115) 1,2,4-trichlorobenzene	19.960	180	740426	11.780	ppbV		97
116) naphthalene	20.065	128	1235681	9.596	ppbV		99
119) hexachlorobutadiene	20.375	225	631896	11.513	ppbV		96

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

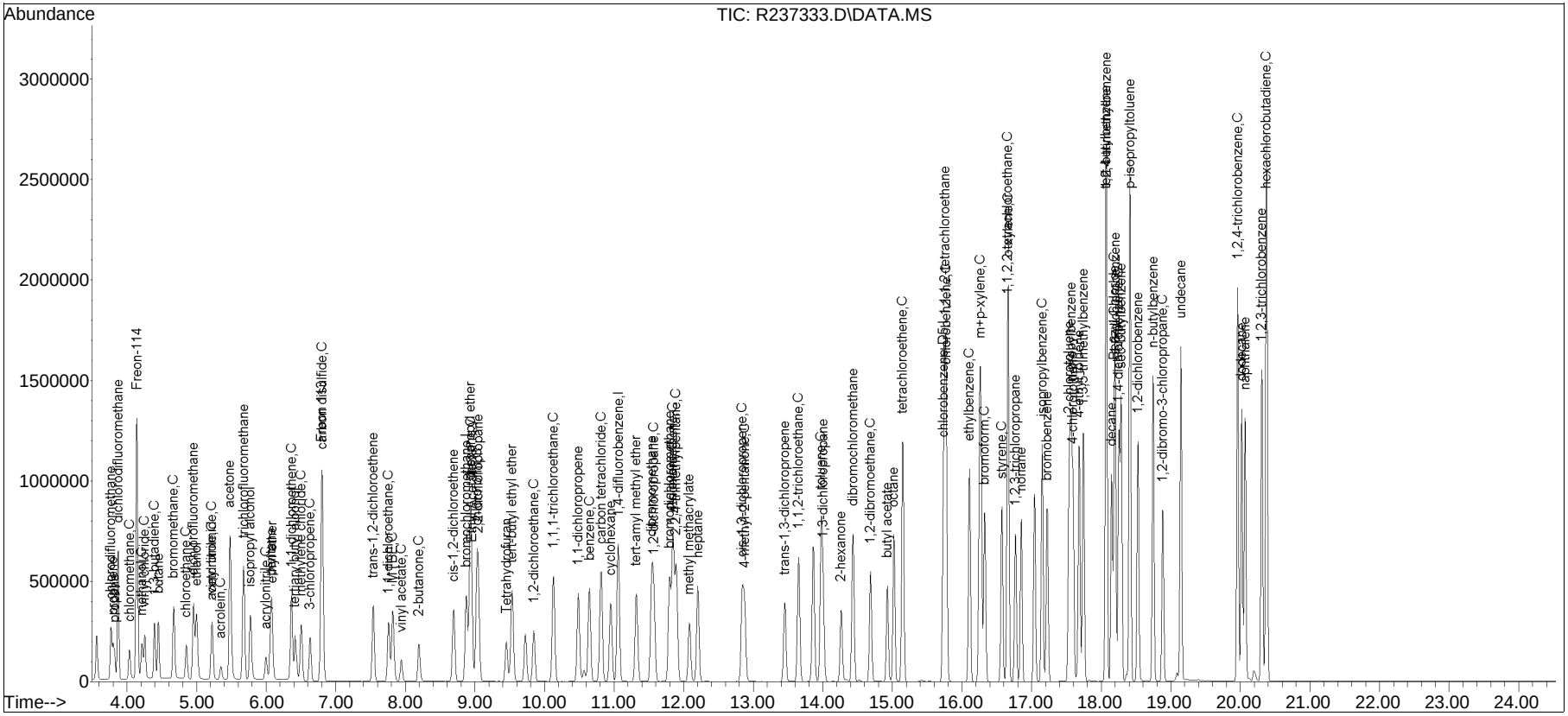
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Sub List : Default-LCS-AP2 - All compounds listed

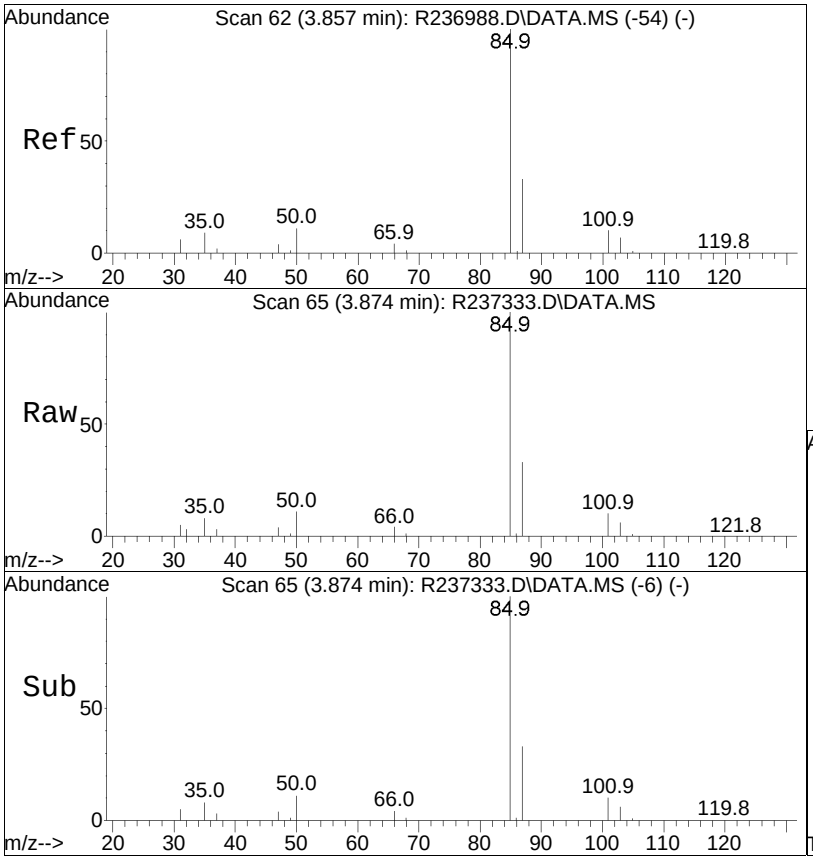
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedR237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237333.D
Acq On : 18 Dec 2025 12:05 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-3,3,250,250
Misc : WG2155905,ICAL22840
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:33:25 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

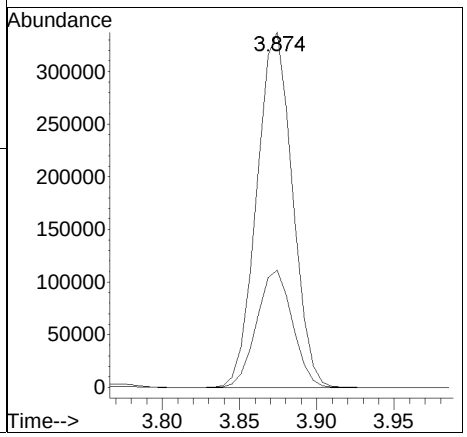


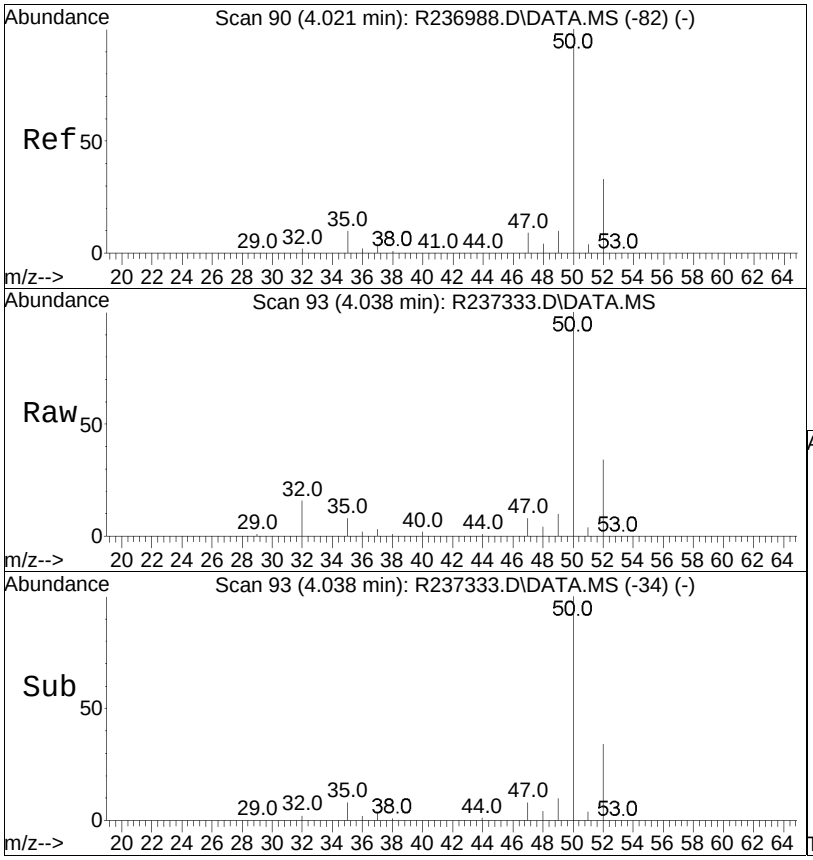


#5
dichlorodifluoromethane
Concen: 9.86 ppbV
RT: 3.874 min Scan# 65
Delta R.T. 0.018 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 85 Resp: 539604

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.8	40.2

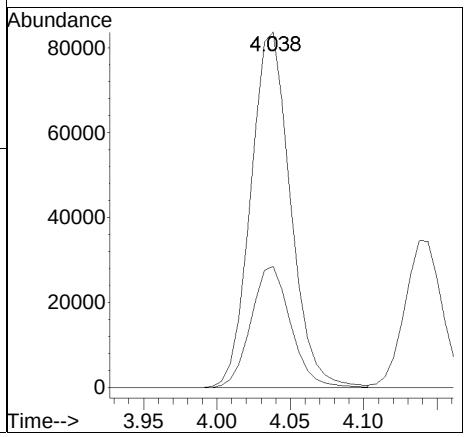


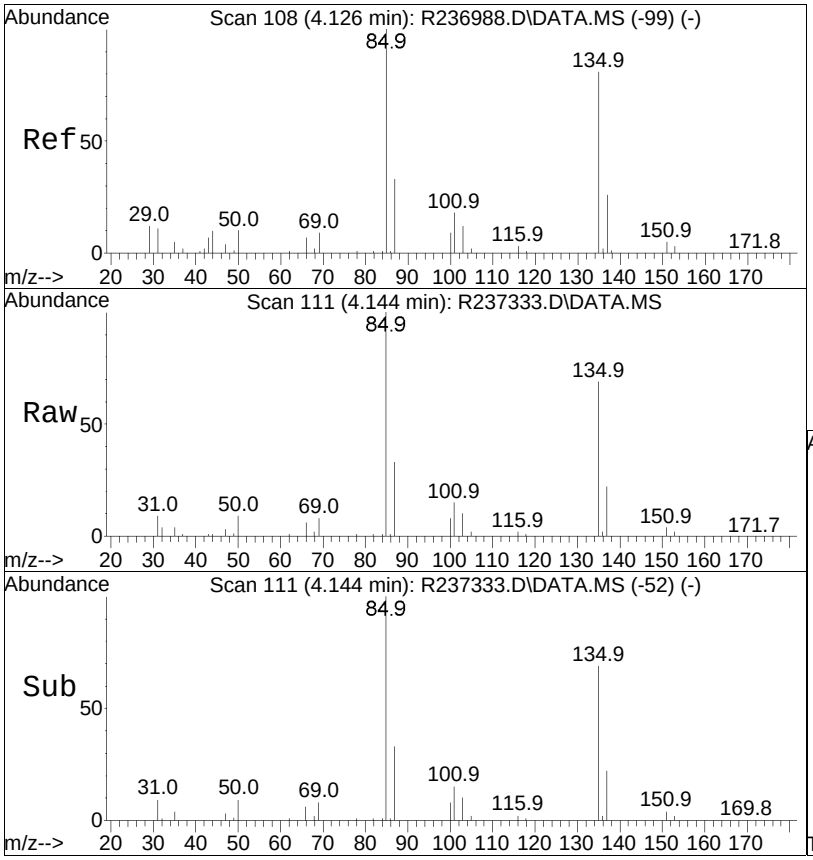


#6
chloromethane
Concen: 10.36 ppbV
RT: 4.038 min Scan# 93
Delta R.T. 0.018 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 50 Resp: 157300

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.8	40.2

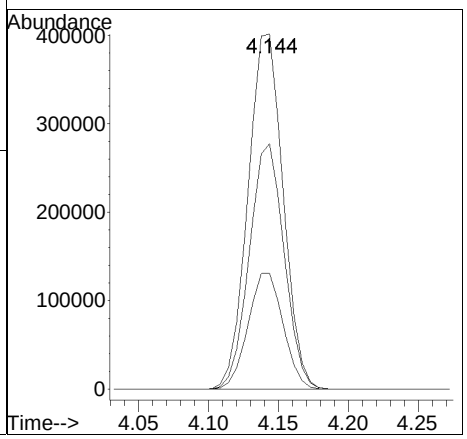


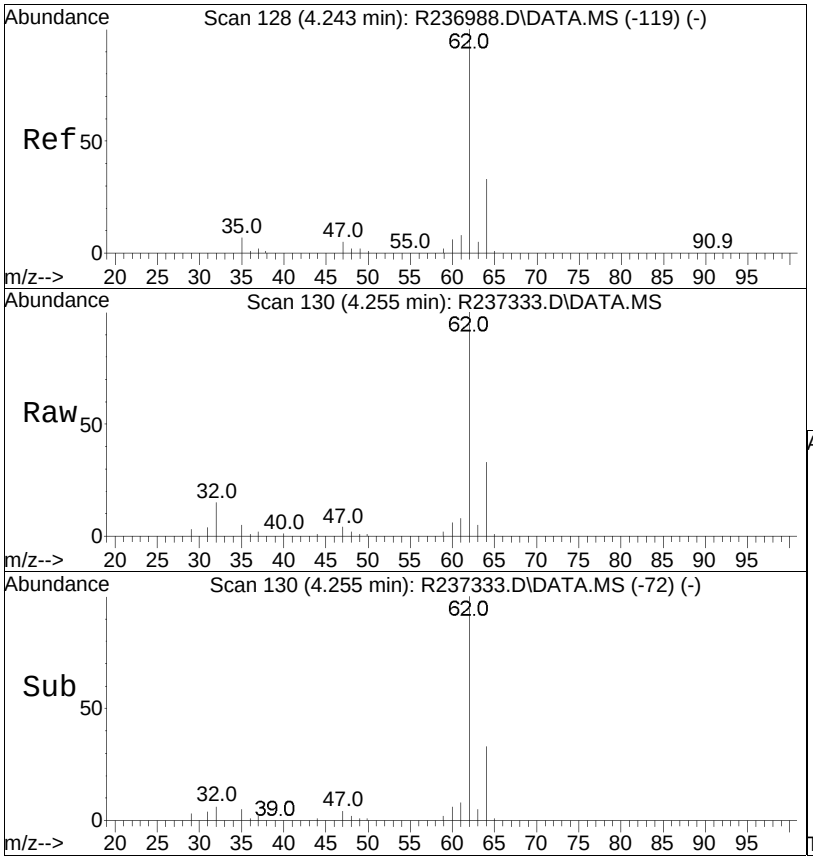


#7
Freon-114
Concen: 10.71 ppbV
RT: 4.144 min Scan# 111
Delta R.T. 0.018 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 85 Resp: 702914

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.5	39.7
135	69.1	64.6	97.0

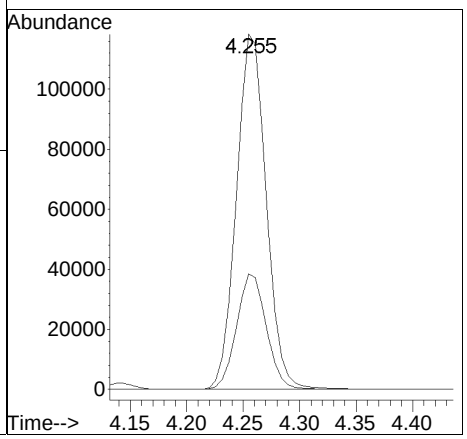


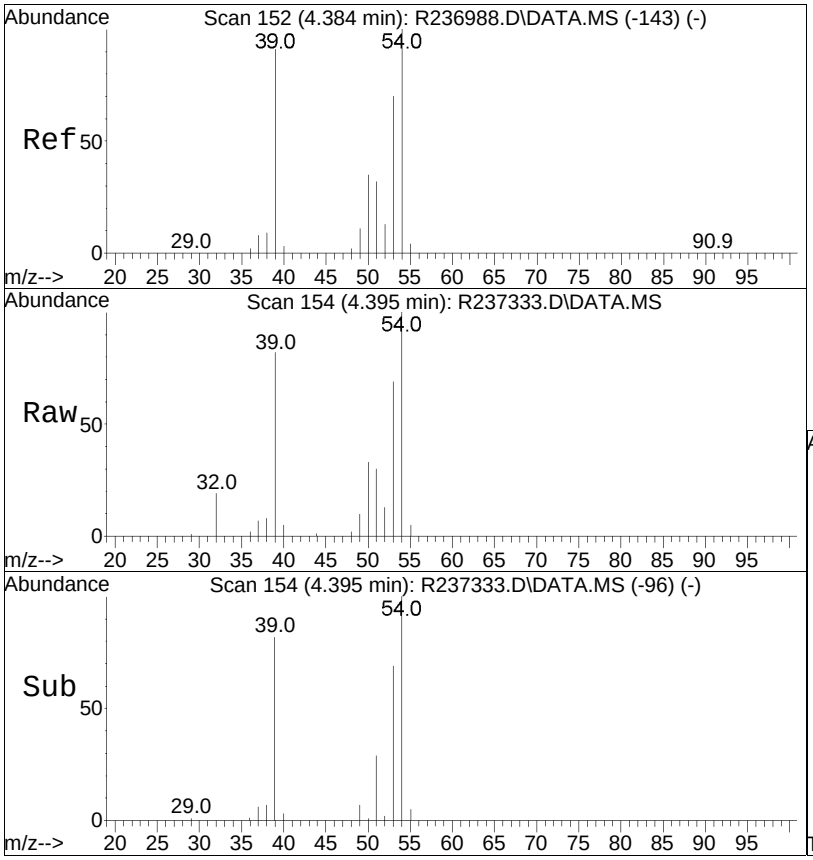


#9
vinyl chloride
Concen: 10.77 ppbV
RT: 4.255 min Scan# 130
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 62 Resp: 217116

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.1	39.1

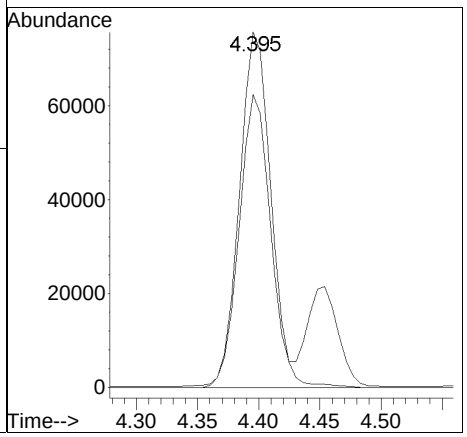


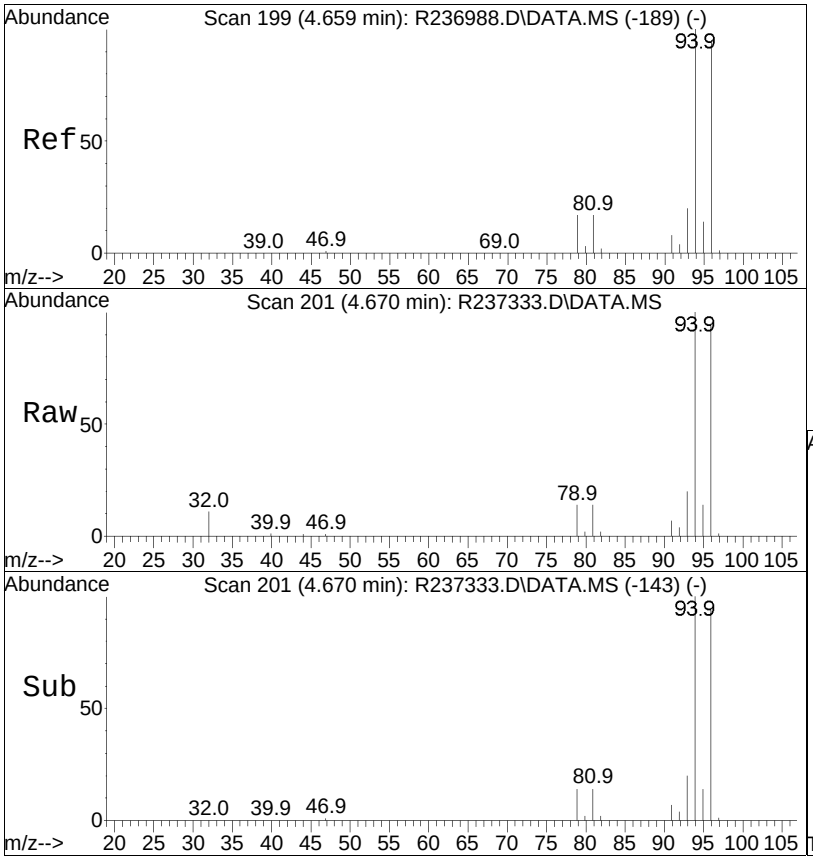


#10
1,3-butadiene
Concen: 10.46 ppbV
RT: 4.395 min Scan# 154
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 54 Resp: 135599

Ion	Ratio	Lower	Upper
54	100		
39	82.4	73.1	109.7

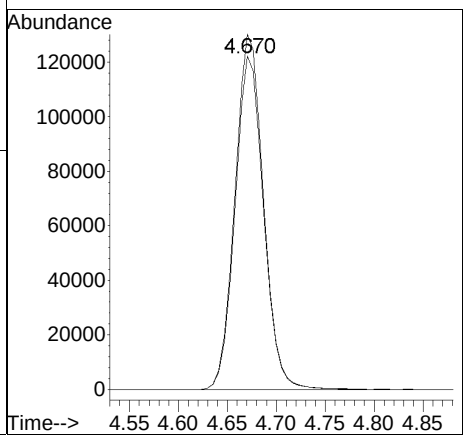


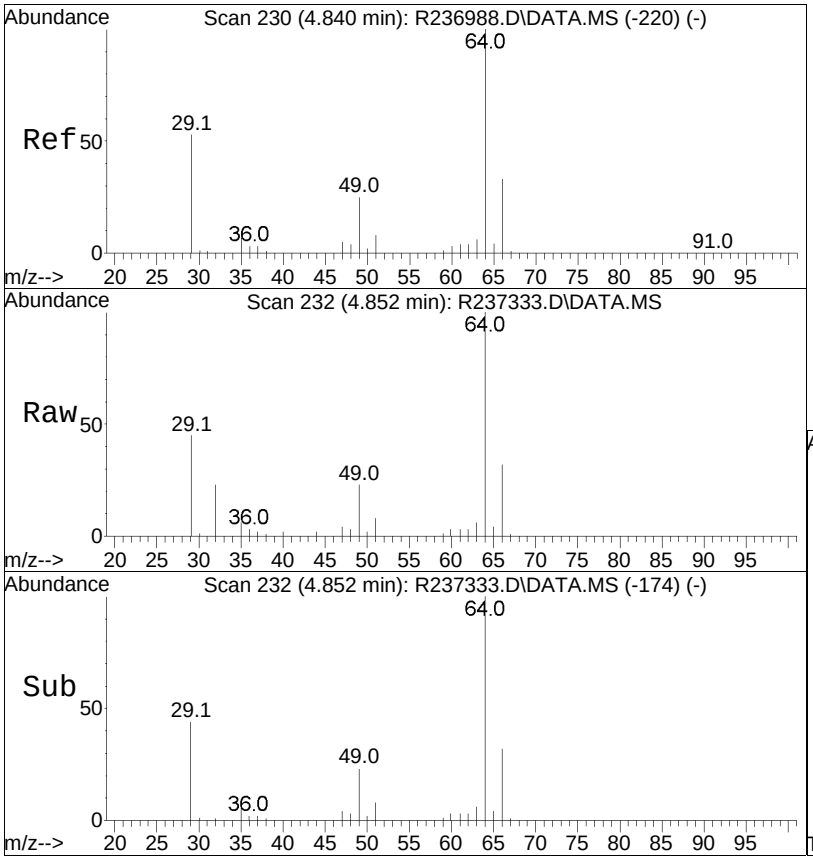


#13
bromomethane
Concen: 10.70 ppbV
RT: 4.670 min Scan# 201
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 94 Resp: 263389

Ion	Ratio	Lower	Upper
94	100		
96	93.8	76.1	114.1

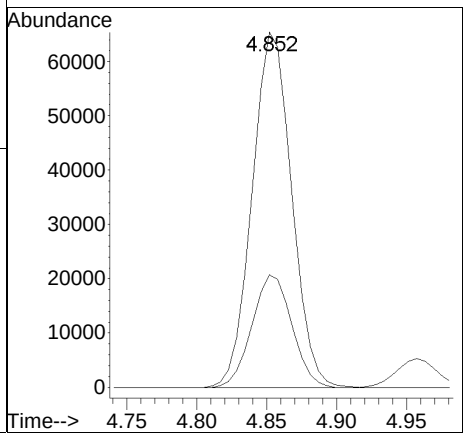


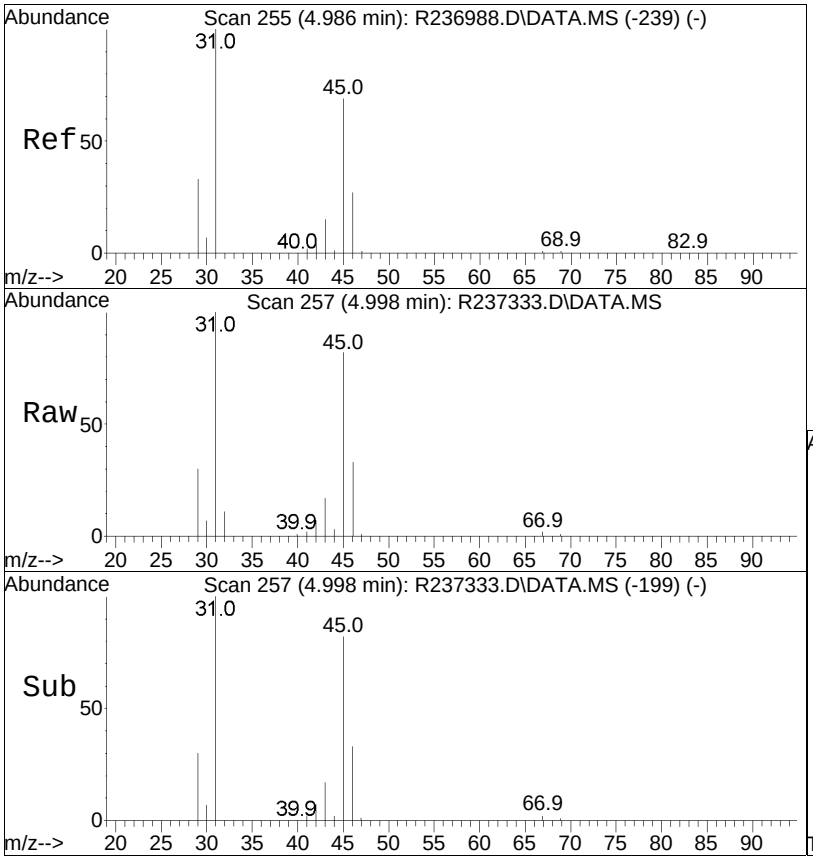


#14
chloroethane
Concen: 10.86 ppbV
RT: 4.852 min Scan# 232
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 64 Resp: 128410

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.0	39.0

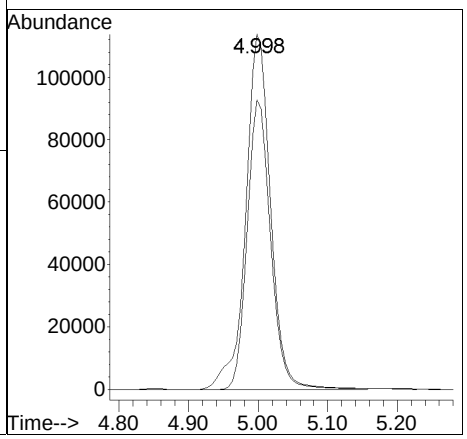


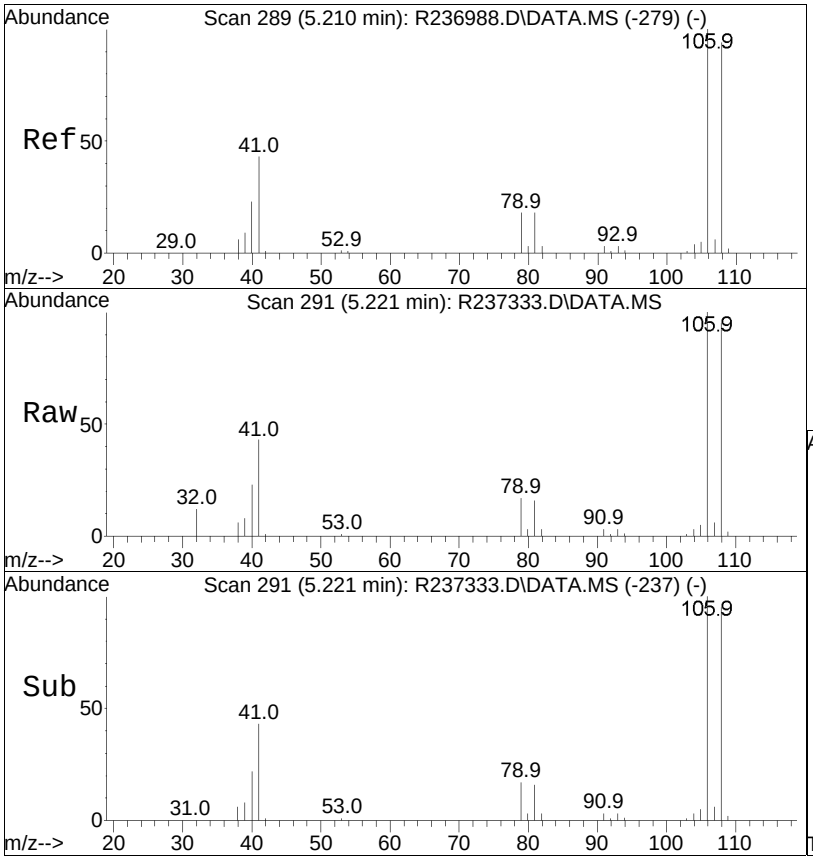


#15
ethanol
Concen: 40.19 ppbV
RT: 4.998 min Scan# 257
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 31 Resp: 313685

Ion	Ratio	Lower	Upper
31	100		
45	81.5	55.0	82.6

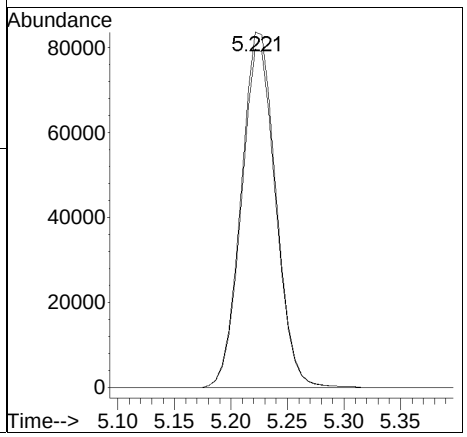


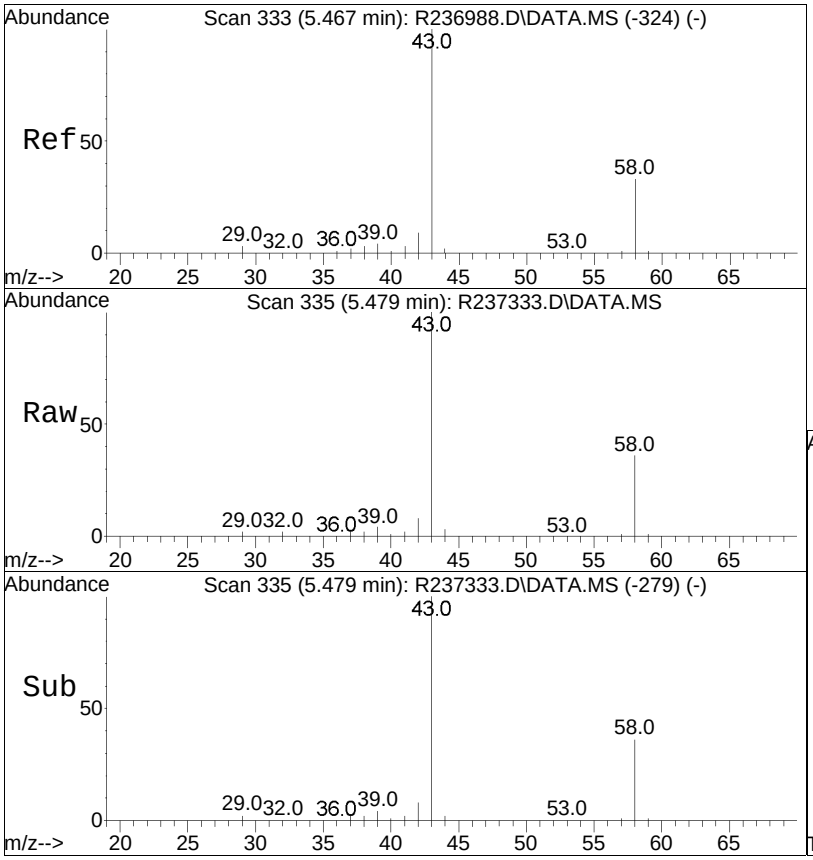


#17
vinyl bromide
Concen: 9.58 ppbV
RT: 5.221 min Scan# 291
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:106 Resp: 178826

Ion	Ratio	Lower	Upper
106	100		
108	95.2	75.4	113.2

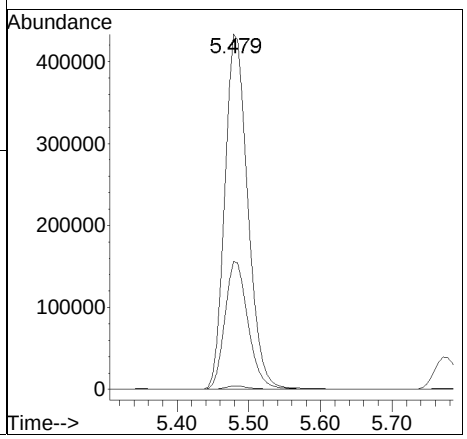


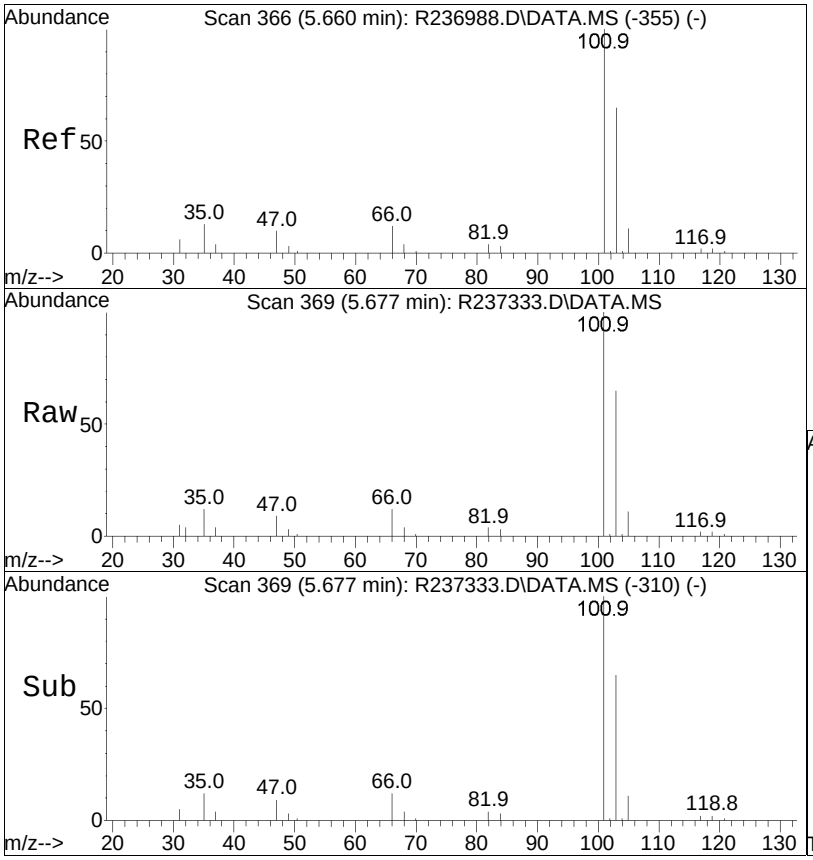


#19
acetone
Concen: 48.93 ppbV
RT: 5.479 min Scan# 335
Delta R.T. 0.012 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 43 Resp: 967323

Ion	Ratio	Lower	Upper
43	100		
58	36.0	26.2	39.4
57	1.0	0.7	1.1

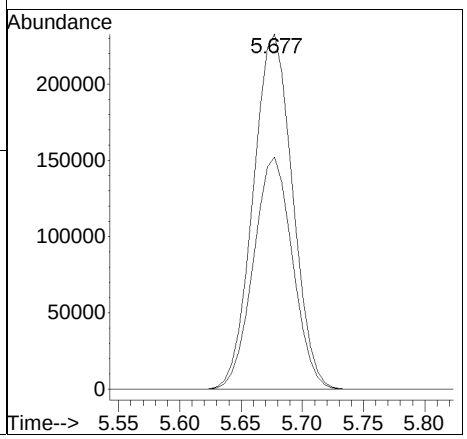


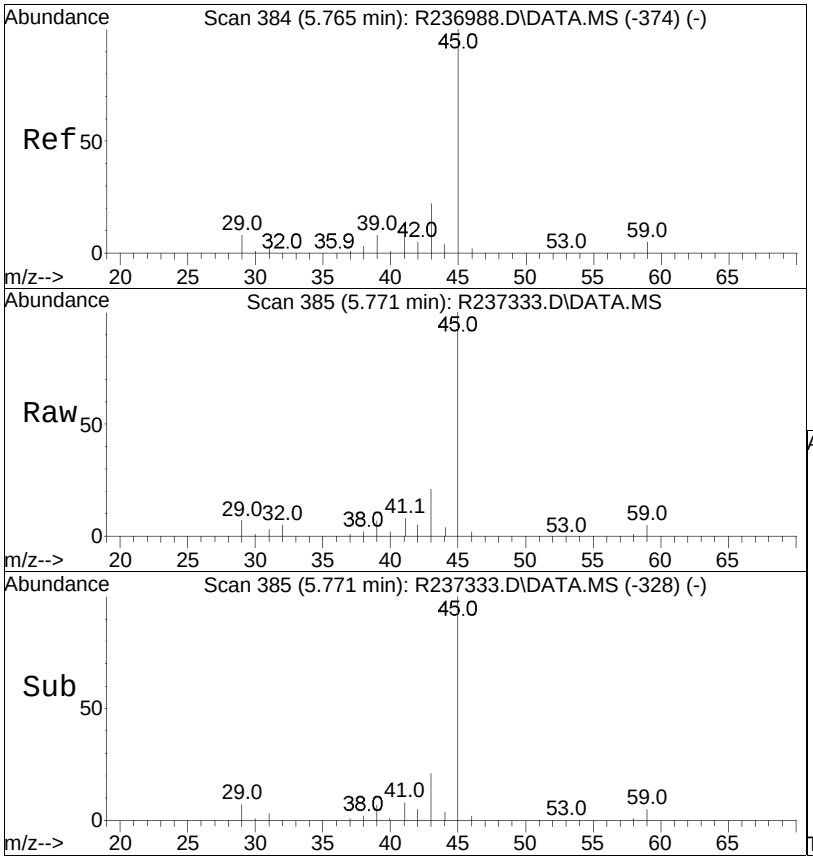


#21
trichlorofluoromethane
Concen: 8.93 ppbV
RT: 5.677 min Scan# 369
Delta R.T. 0.017 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:101 Resp: 521591

Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

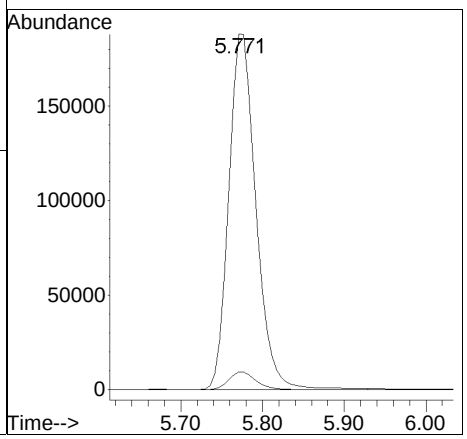


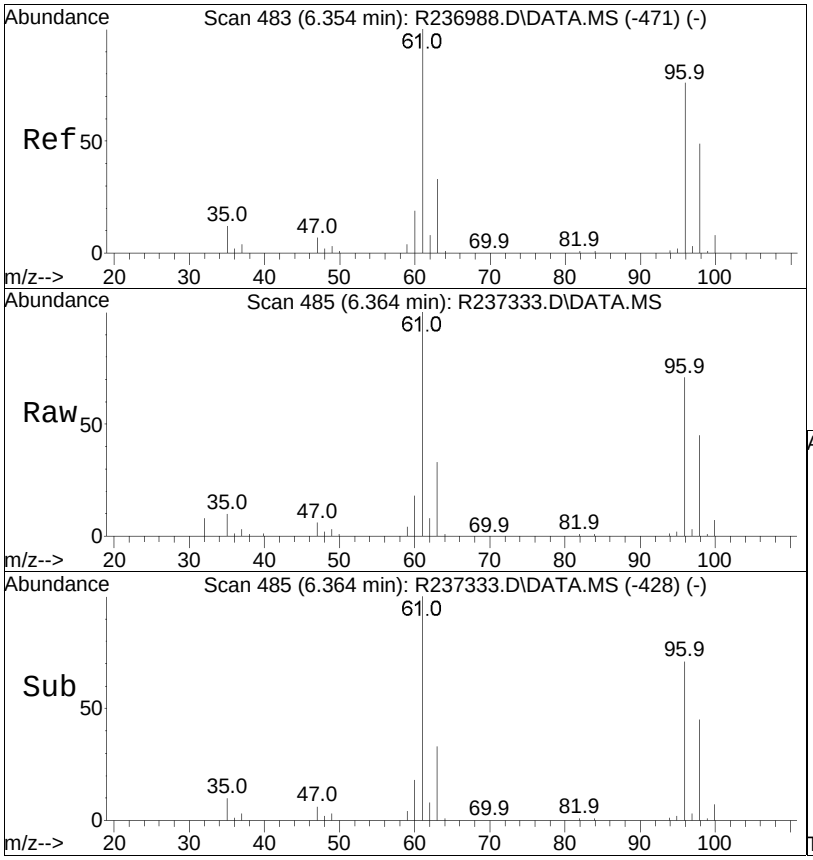


#22
isopropyl alcohol
Concen: 20.86 ppbV
RT: 5.771 min Scan# 385
Delta R.T. 0.006 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 45 Resp: 434116

Ion	Ratio	Lower	Upper
45	100		
59	4.9	3.8	5.6

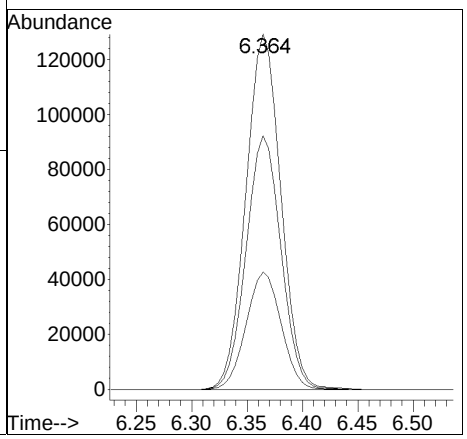


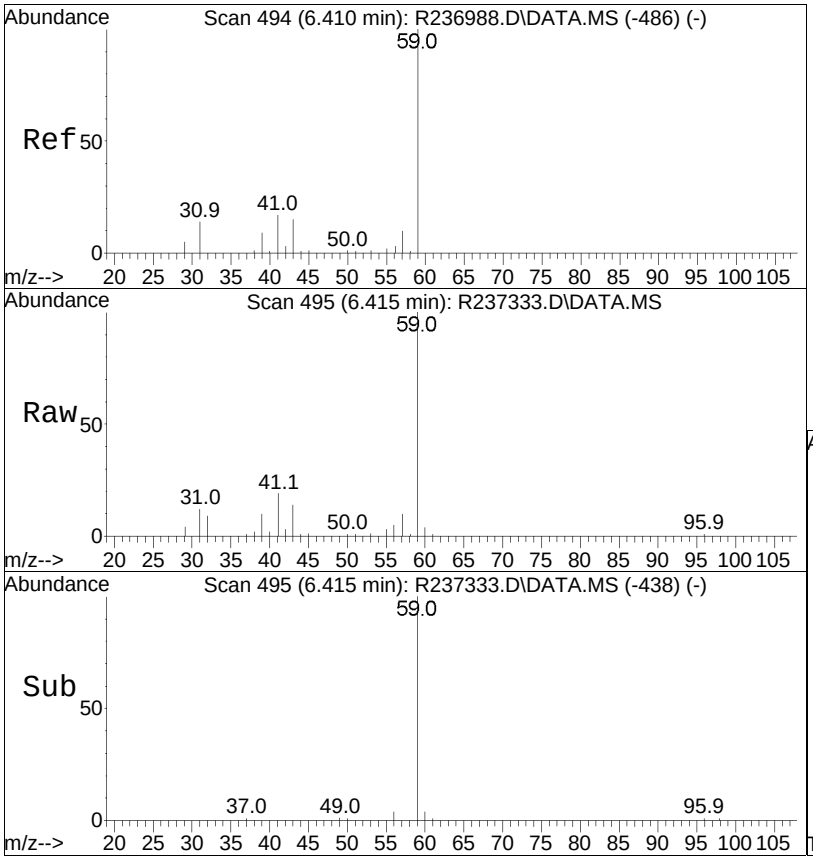


#26
1,1-dichloroethene
Concen: 10.73 ppbV
RT: 6.364 min Scan# 485
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 61 Resp: 334545

Ion	Ratio	Lower	Upper
61	100		
96	71.4	60.8	91.2
63	33.0	26.6	40.0

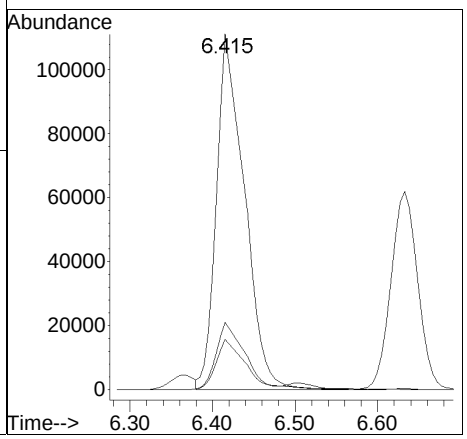


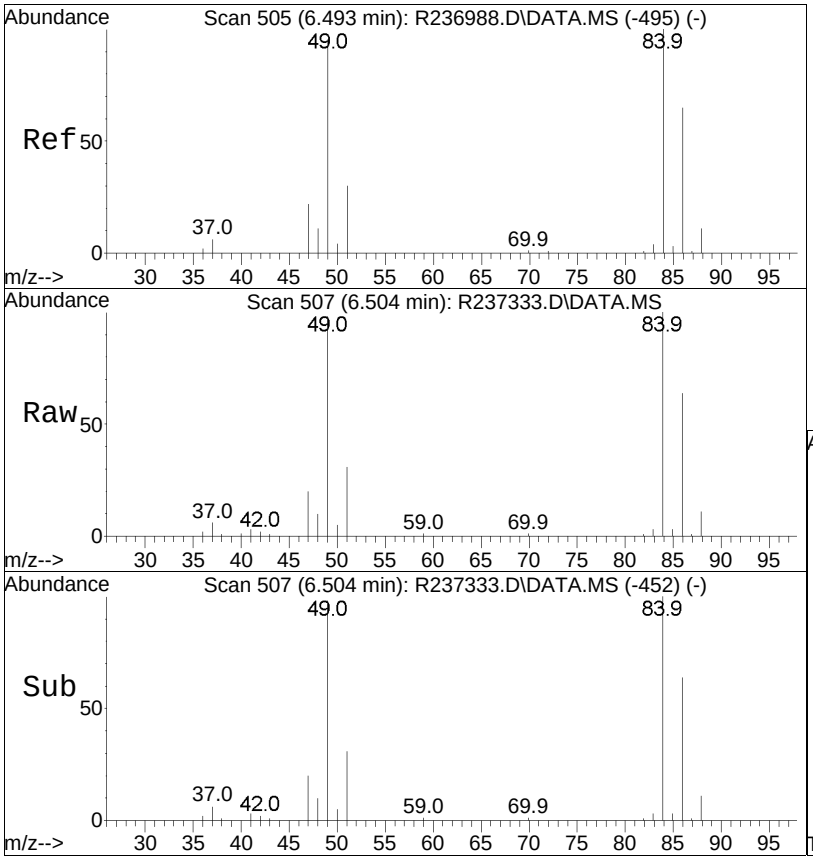


#27
tertiary butyl alcohol
Concen: 6.84 ppbV
RT: 6.415 min Scan# 495
Delta R.T. 0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 59 Resp: 178455

Ion	Ratio	Lower	Upper
59	100		
41	18.9	13.6	20.4
43	14.1	11.7	17.5

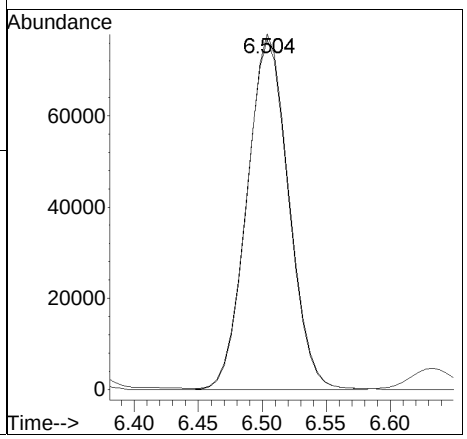


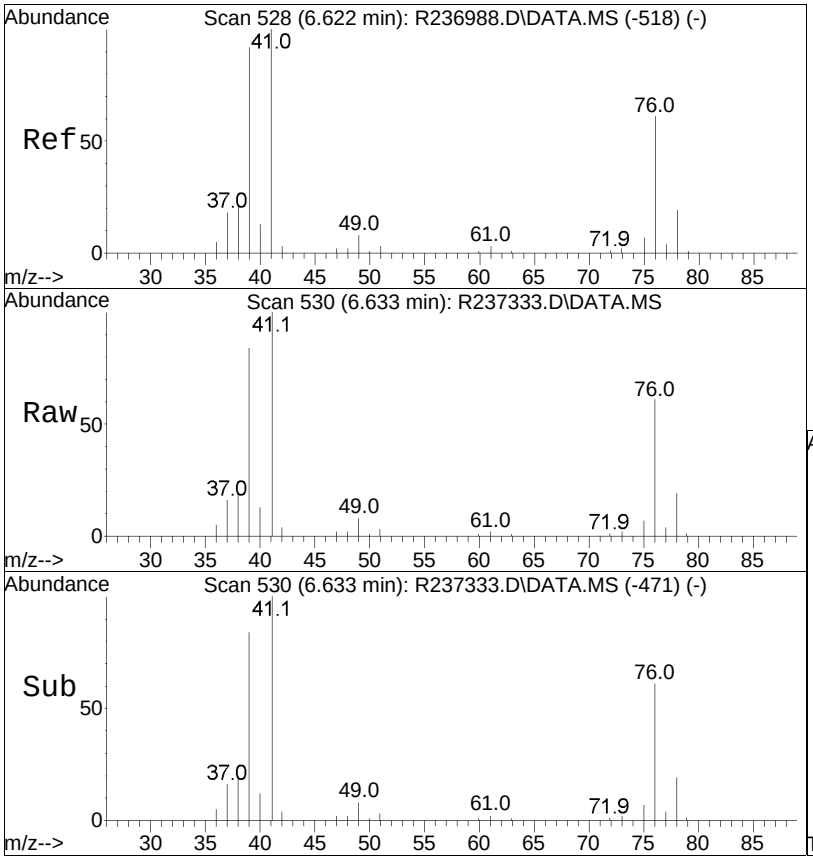


#28
methylene chloride
Concen: 9.89 ppbV
RT: 6.504 min Scan# 507
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 49 Resp: 173758

Ion	Ratio	Lower	Upper
49	100		
84	101.6	83.7	125.5

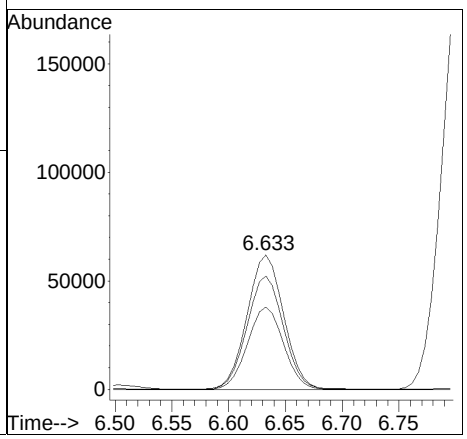


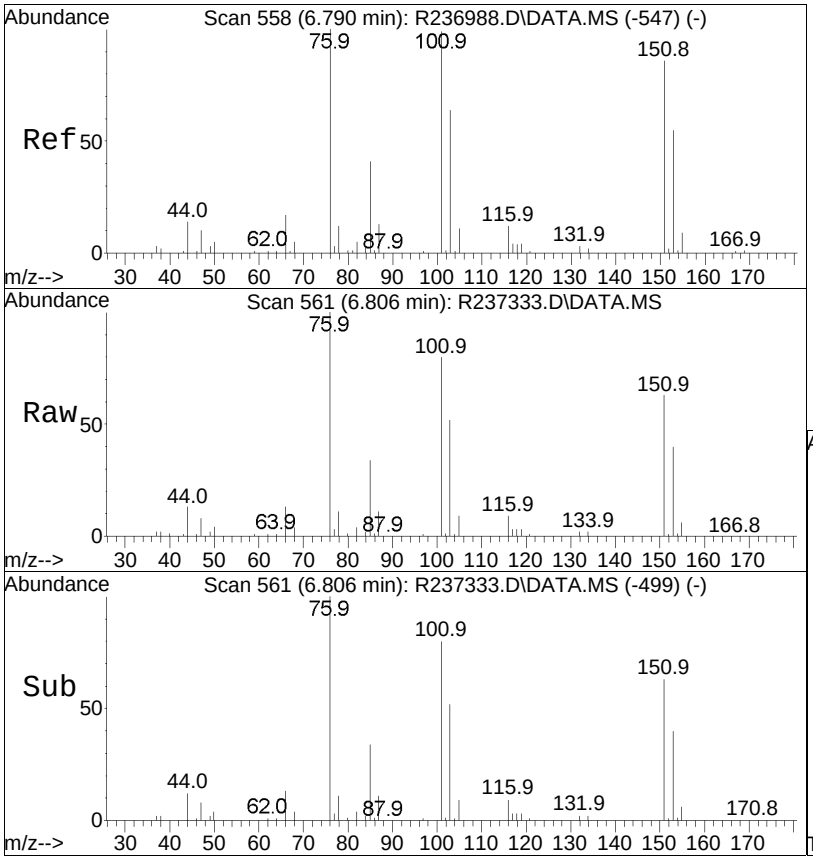


#29
3-chloropropene
Concen: 9.84 ppbV
RT: 6.633 min Scan# 530
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 41 Resp: 139261

Ion	Ratio	Lower	Upper
41	100		
39	84.5	73.8	110.8
76	61.3	48.8	73.2

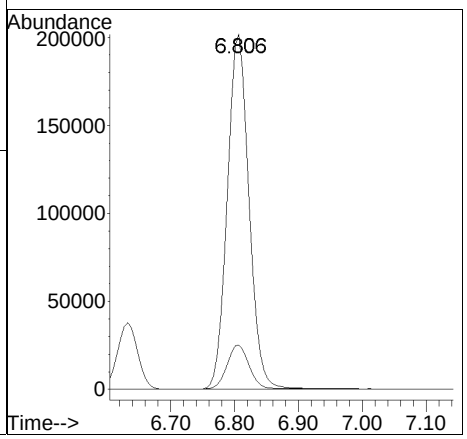


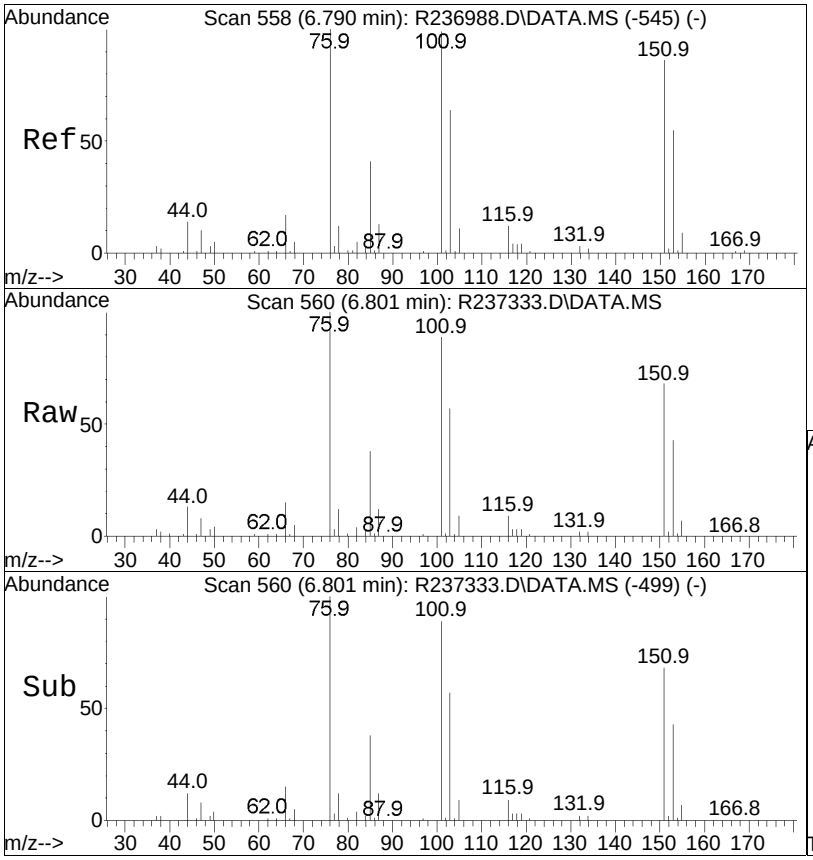


#30
carbon disulfide
Concen: 10.23 ppbV
RT: 6.806 min Scan# 561
Delta R.T. 0.016 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 76 Resp: 478158

Ion	Ratio	Lower	Upper
76	100		
44	12.5	11.5	17.3

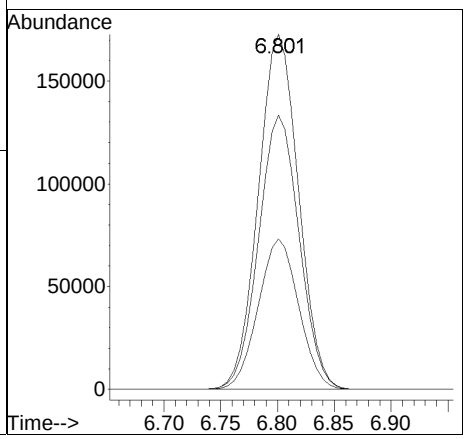


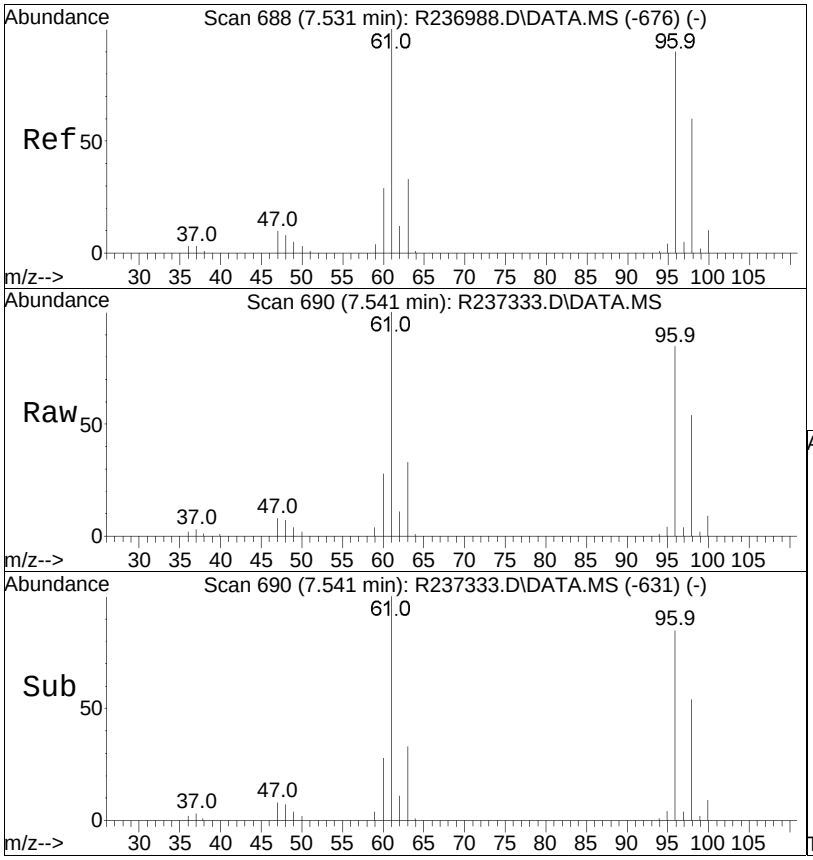


#31
Freon 113
Concen: 9.10 ppbV
RT: 6.801 min Scan# 560
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:101 Resp: 426371

Ion	Ratio	Lower	Upper
101	100		
85	42.4	33.0	49.6
151	77.2	69.8	104.8

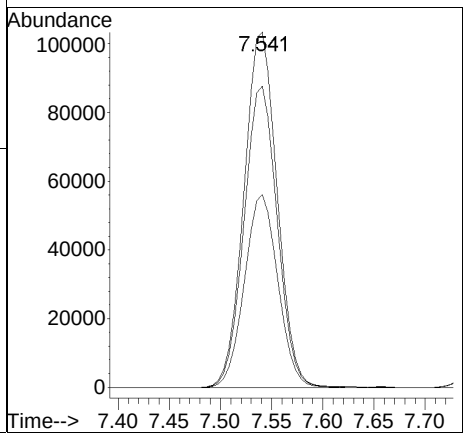


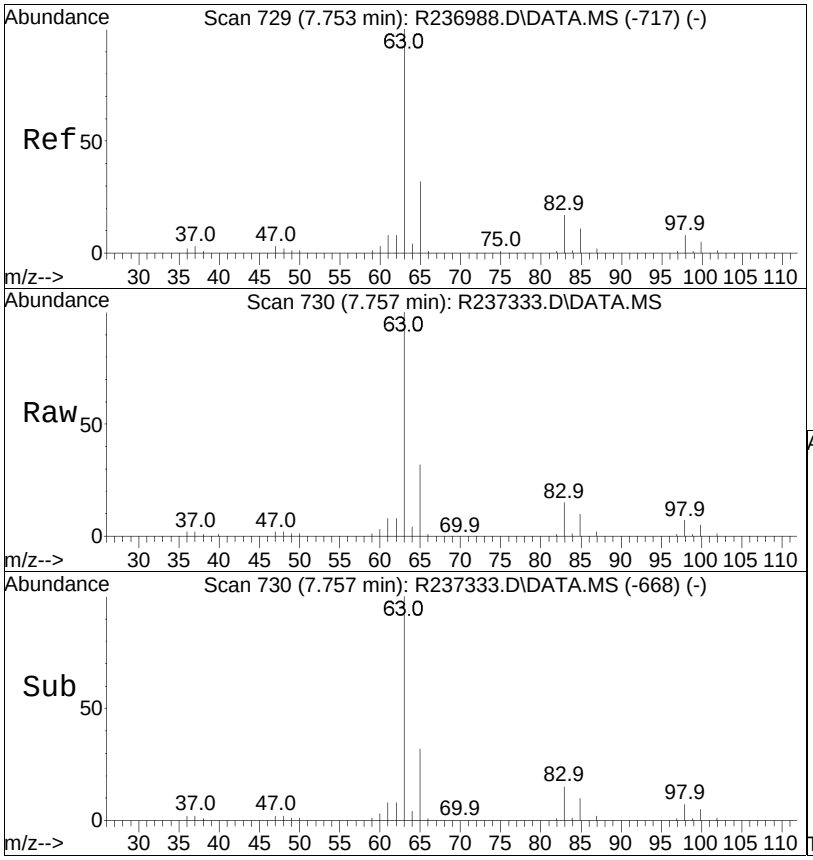


#32
trans-1,2-dichloroethene
Concen: 10.23 ppbV
RT: 7.541 min Scan# 690
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 61 Resp: 233484

Ion	Ratio	Lower	Upper
61	100		
96	84.8	72.4	108.6
98	54.3	47.7	71.5

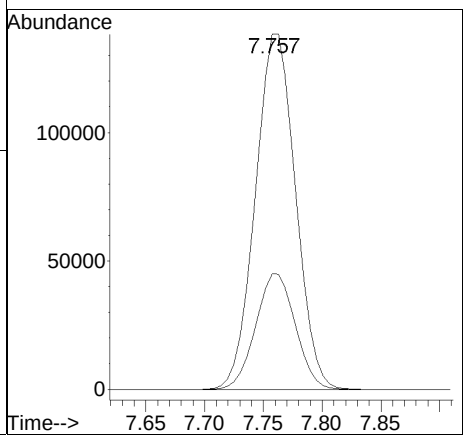


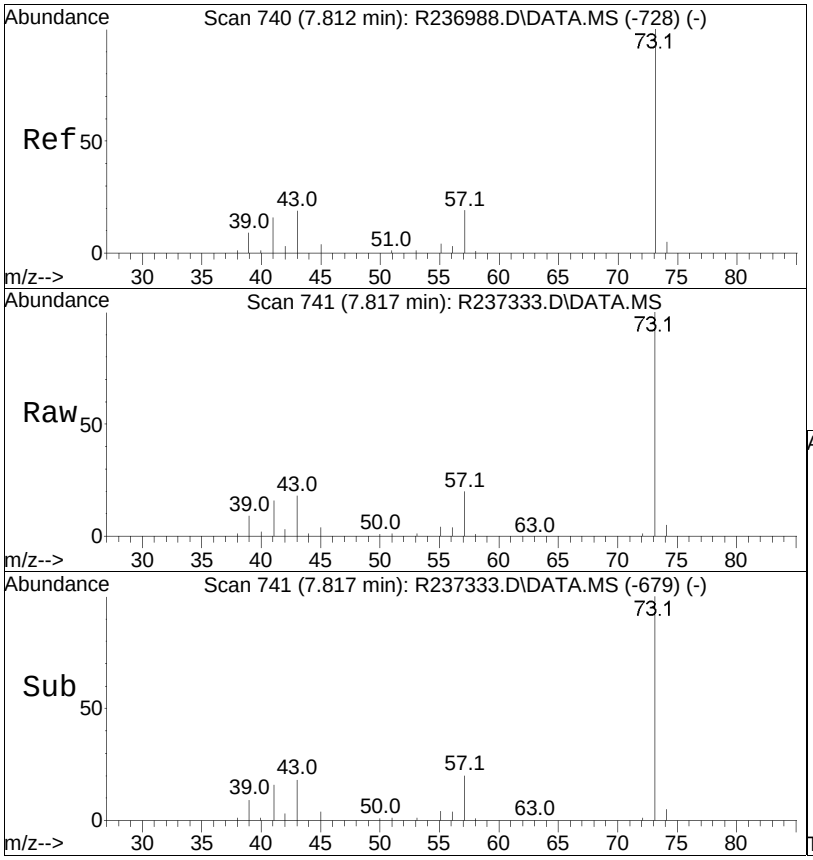


#33
1,1-dichloroethane
Concen: 10.24 ppbV
RT: 7.757 min Scan# 730
Delta R.T. 0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 63 Resp: 328906

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.6

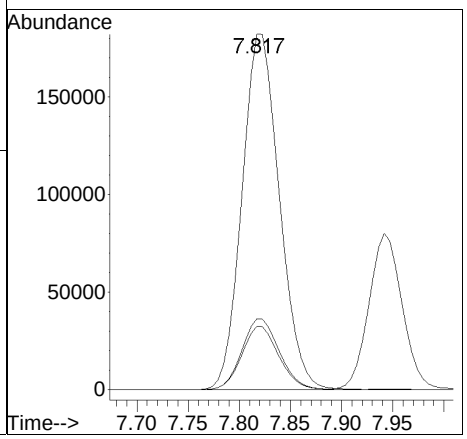


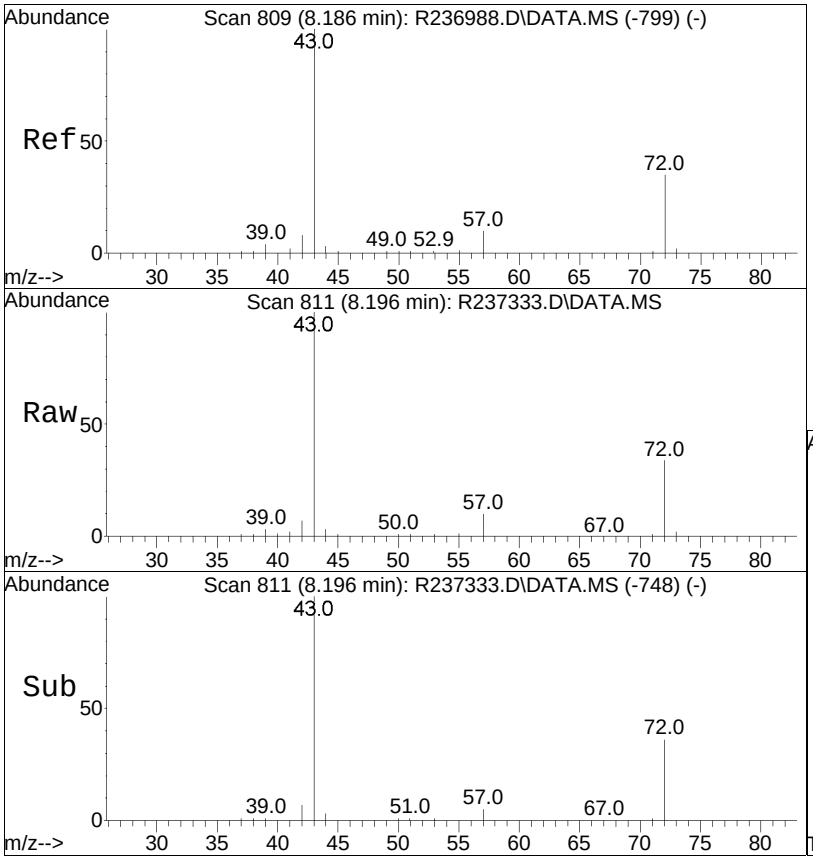


#34
MTBE
Concen: 9.56 ppbV
RT: 7.817 min Scan# 741
Delta R.T. 0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 73 Resp: 461853

Ion	Ratio	Lower	Upper
73	100		
57	19.9	14.8	22.2
43	17.8	15.4	23.2

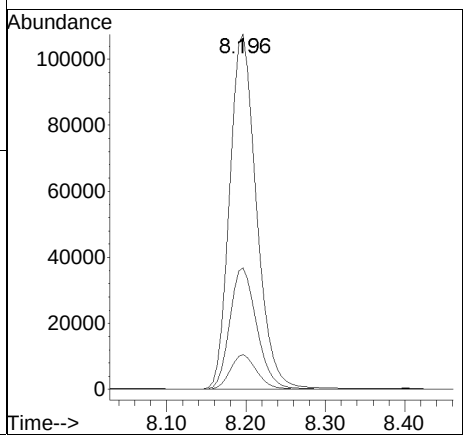


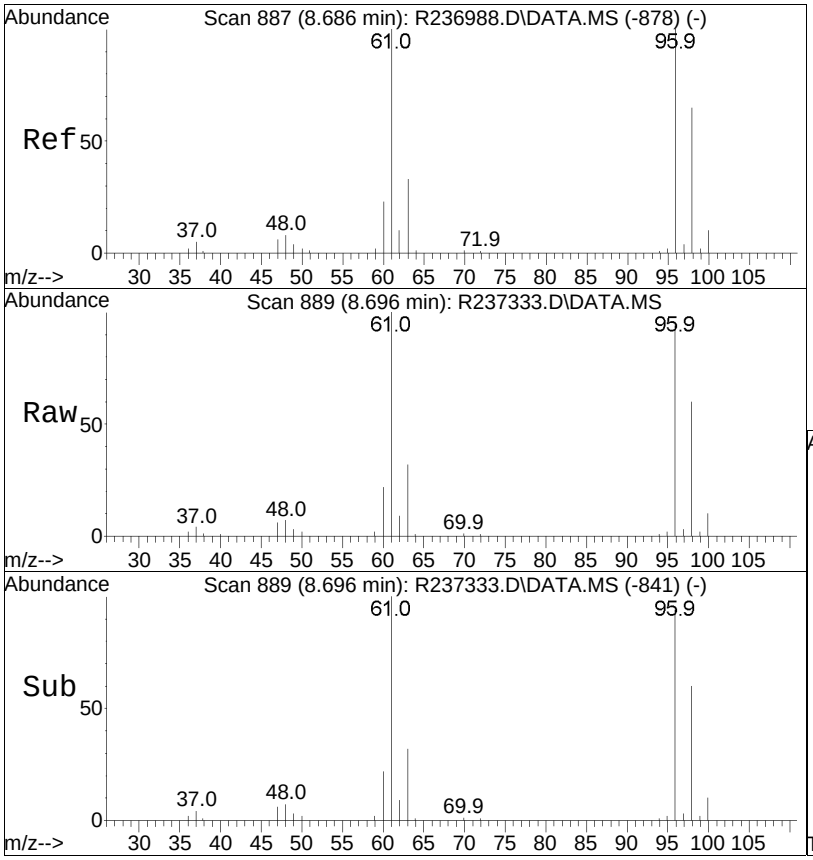


#36
2-butanone
Concen: 10.04 ppbV
RT: 8.196 min Scan# 811
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 43 Resp: 253429

Ion	Ratio	Lower	Upper
43	100		
72	34.2	27.8	41.6
57	9.8	7.7	11.5

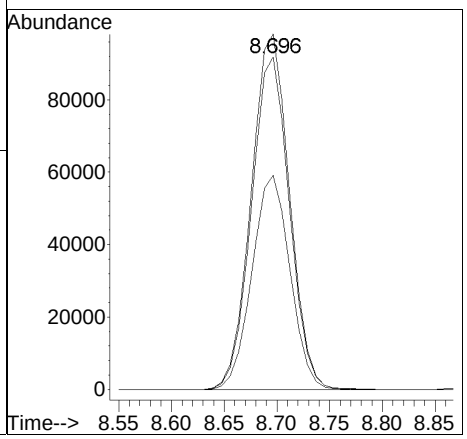


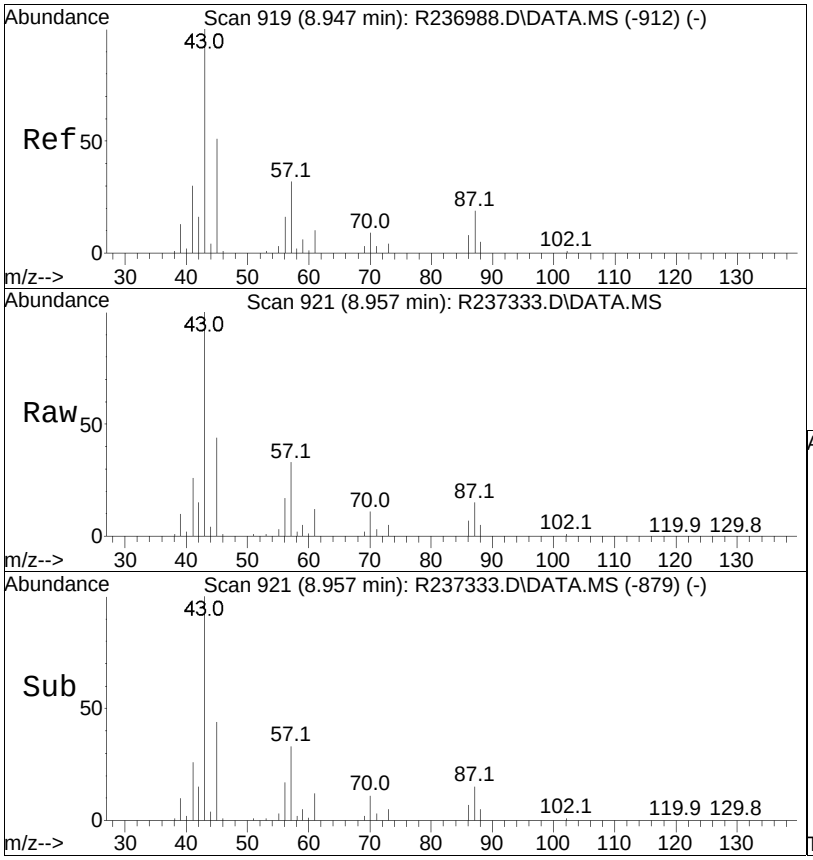


#37
cis-1,2-dichloroethene
Concen: 10.04 ppbV
RT: 8.696 min Scan# 889
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 61 Resp: 247860

Ion	Ratio	Lower	Upper
61	100		
96	93.6	80.2	120.2
98	60.3	51.9	77.9

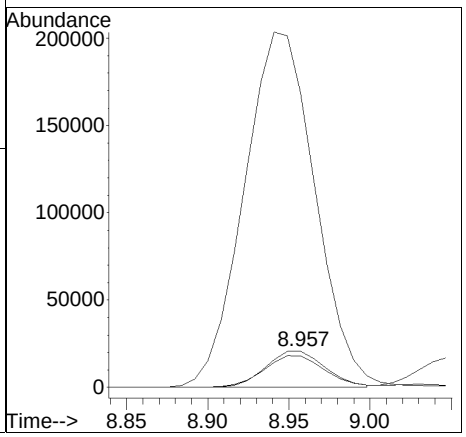


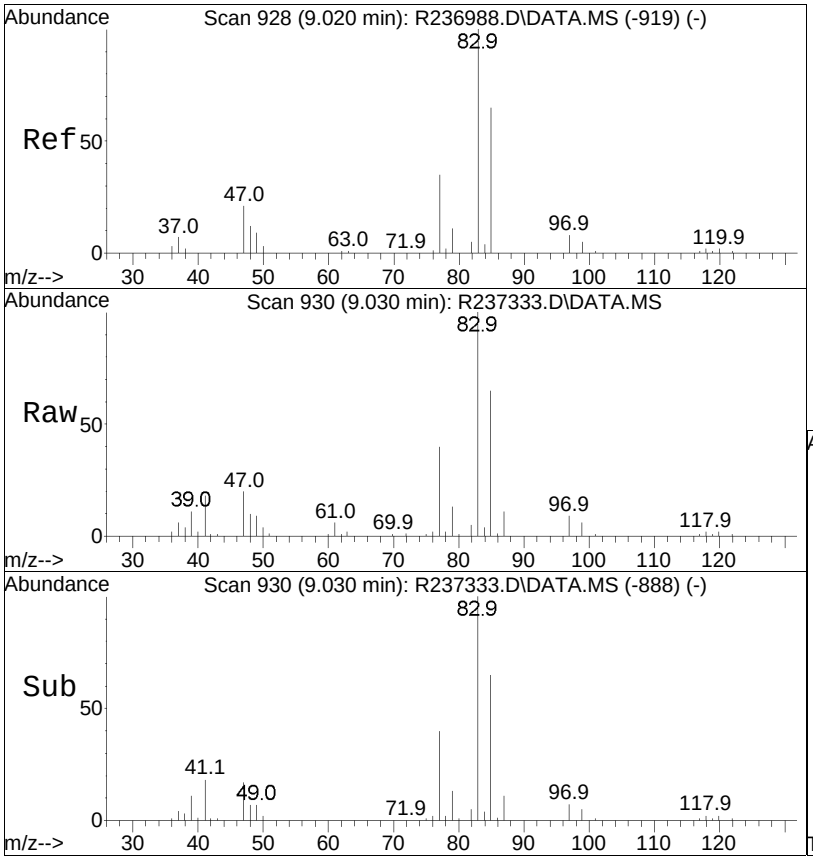


#38
Ethyl Acetate
Concen: 11.28 ppbV
RT: 8.957 min Scan# 921
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 61 Resp: 53281

Ion	Ratio	Lower	Upper
61	100		
70	87.0	72.2	108.2
43	813.3	818.1	1227.1#

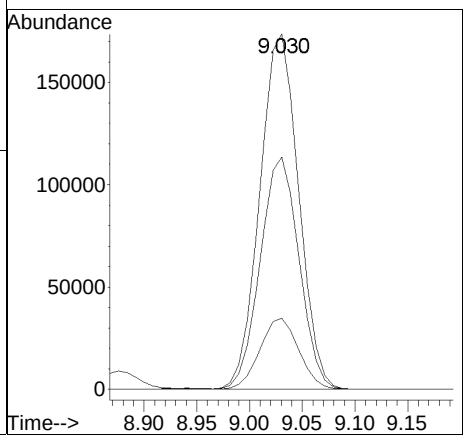


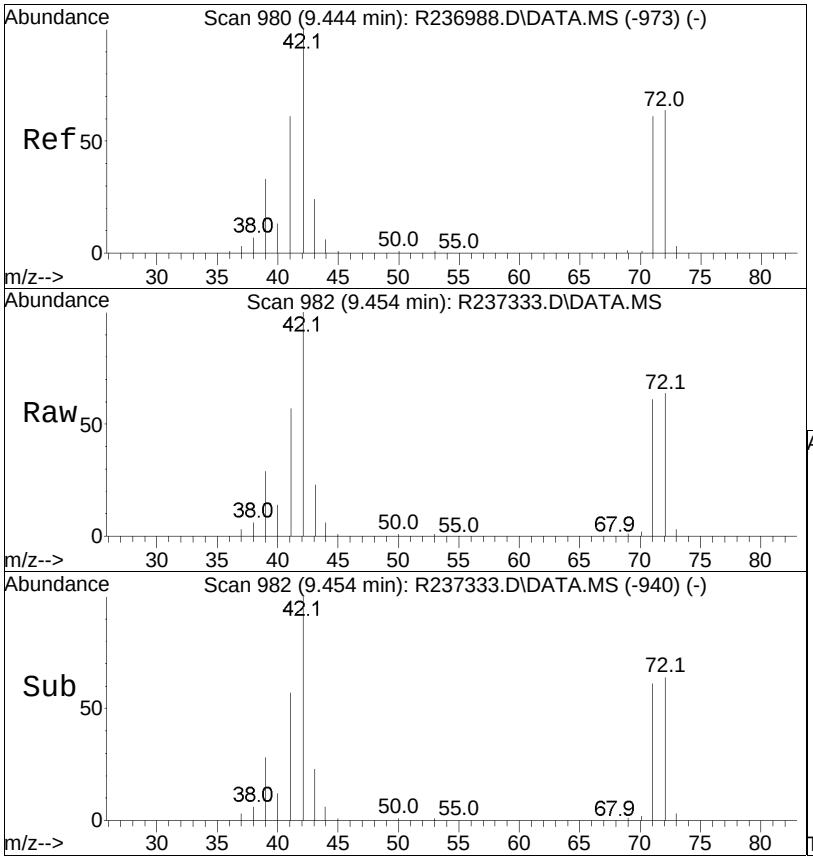


#39
chloroform
Concen: 9.75 ppbV
RT: 9.030 min Scan# 930
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 83 Resp: 444672

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5
47	20.0	17.1	25.7

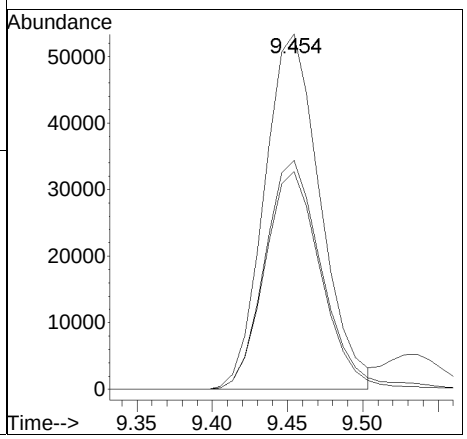


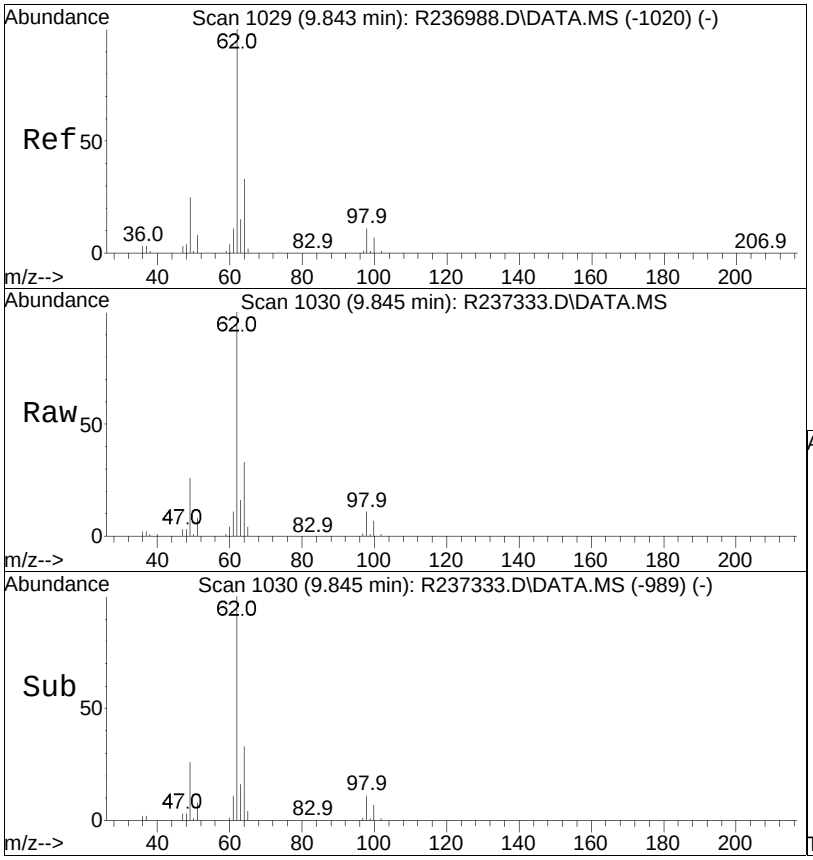


#40
Tetrahydrofuran
Concen: 10.59 ppbV
RT: 9.454 min Scan# 982
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 42 Resp: 138023

Ion	Ratio	Lower	Upper
42	100		
71	61.3	48.6	72.8
72	64.5	51.2	76.8

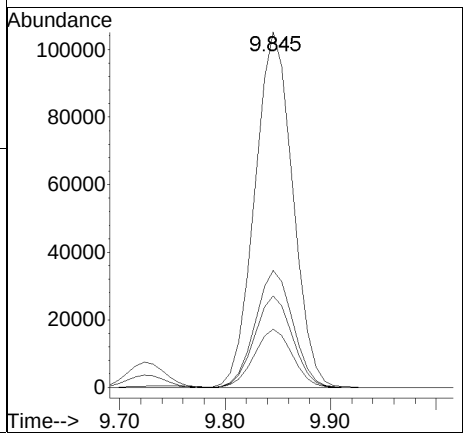


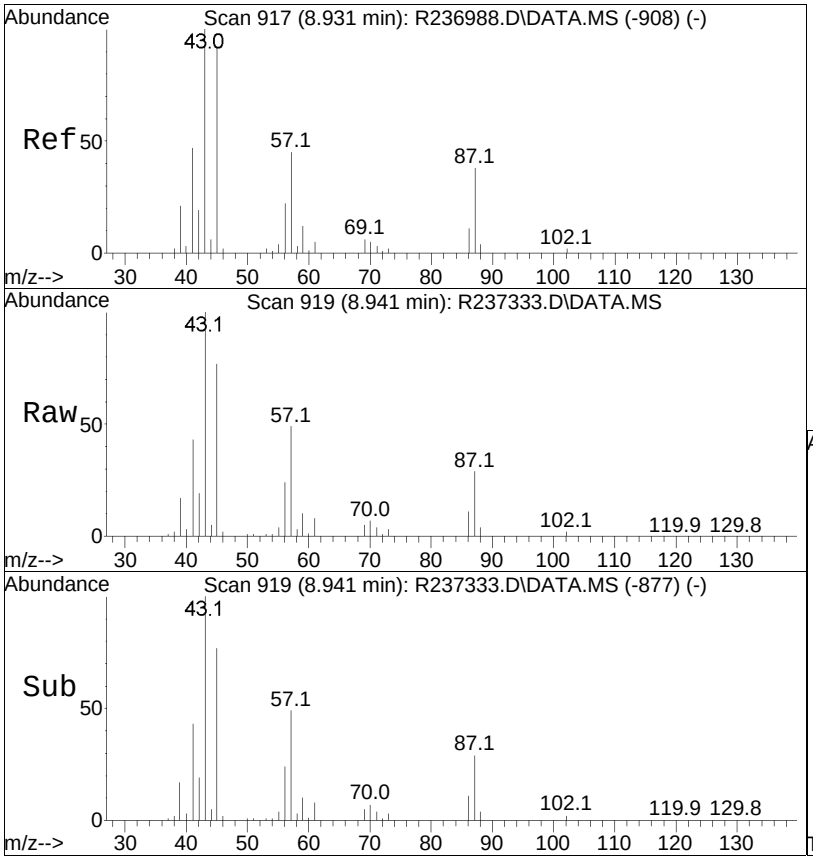


#42
1,2-dichloroethane
Concen: 9.67 ppbV
RT: 9.845 min Scan# 1030
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 62 Resp: 262087

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.4
49	25.8	20.2	30.2
63	16.4	12.4	18.6

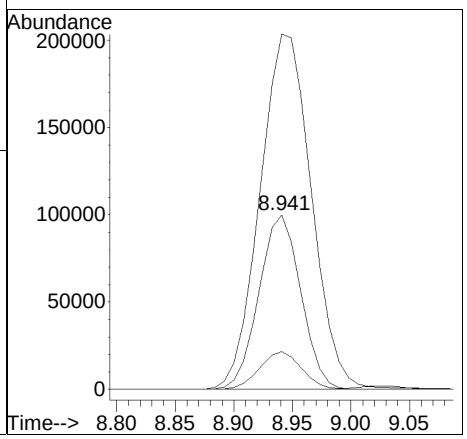


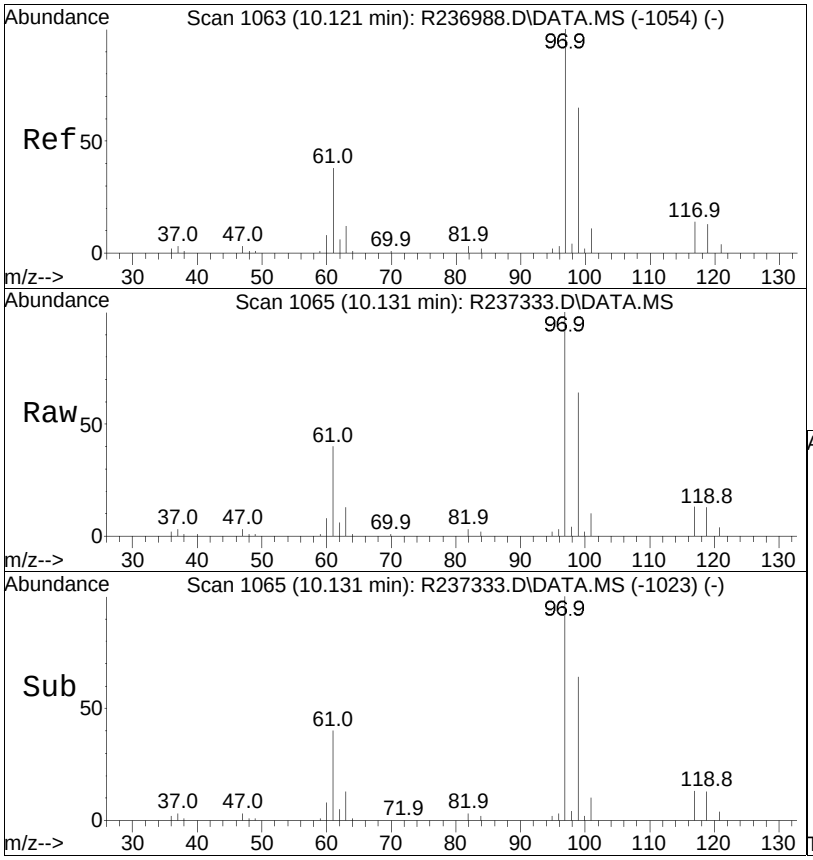


#44
hexane
Concen: 11.33 ppbV
RT: 8.941 min Scan# 919
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 57 Resp: 248201

Ion	Ratio	Lower	Upper
57	100		
43	203.6	177.1	265.7
86	21.6	18.6	28.0

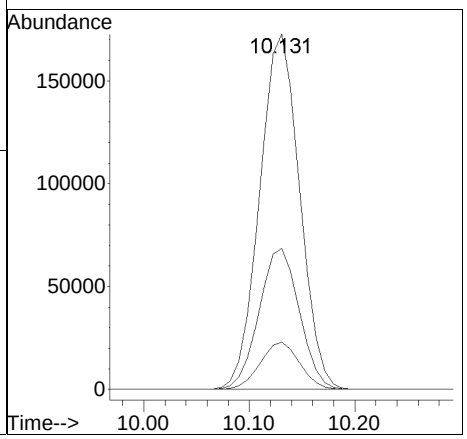


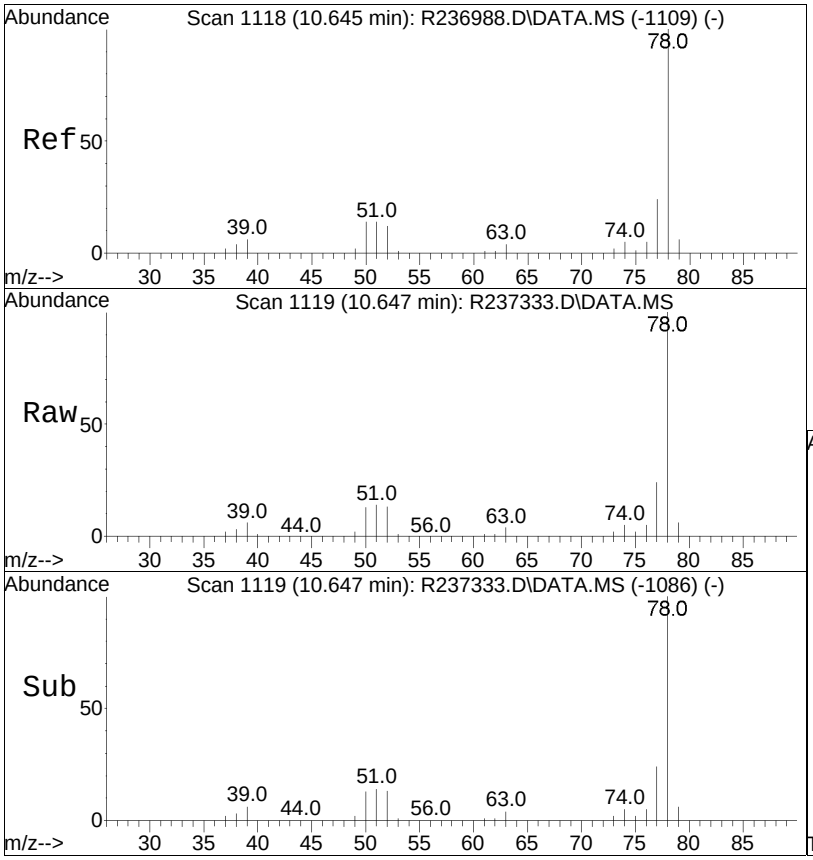


#48
1,1,1-trichloroethane
Concen: 8.98 ppbV
RT: 10.131 min Scan# 1065
Delta R.T. 0.010 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 97 Resp: 455496

Ion	Ratio	Lower	Upper
97	100		
61	39.7	30.1	45.1
119	13.3	10.7	16.1

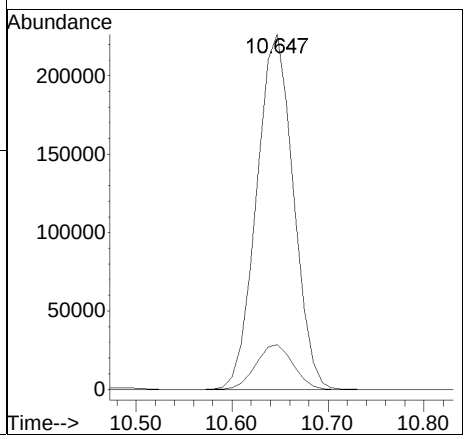


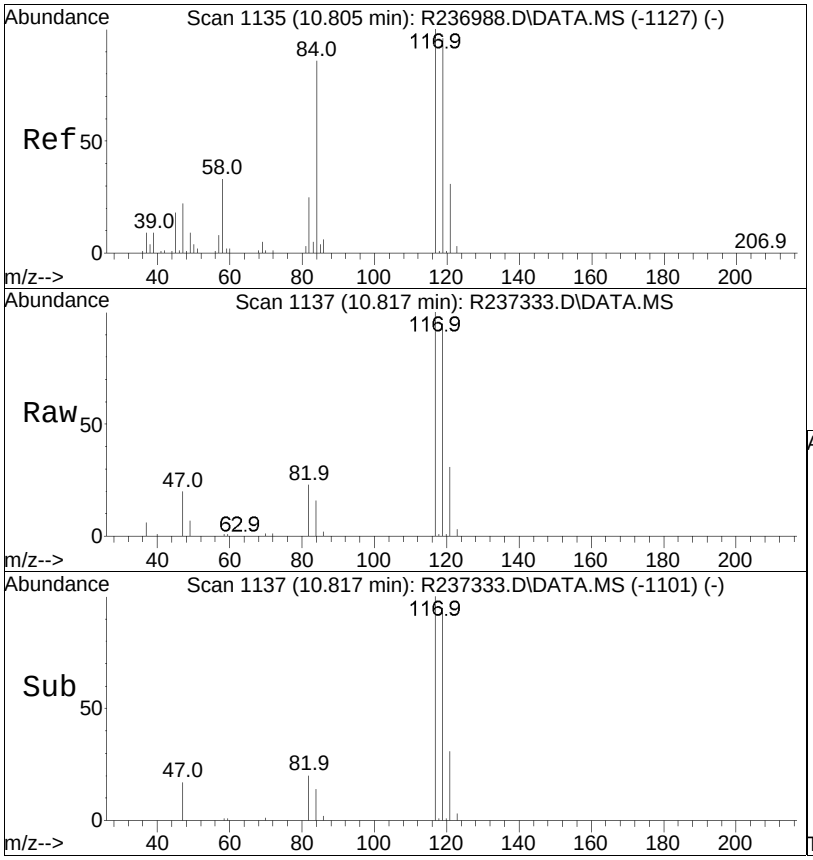


#50
benzene
Concen: 10.03 ppbV
RT: 10.647 min Scan# 1119
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 78 Resp: 602360

Ion	Ratio	Lower	Upper
78	100		
52	12.6	9.9	14.9

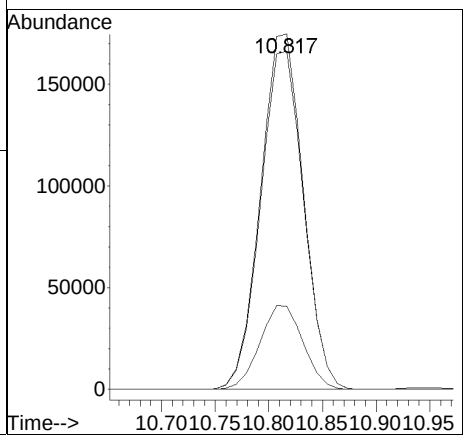


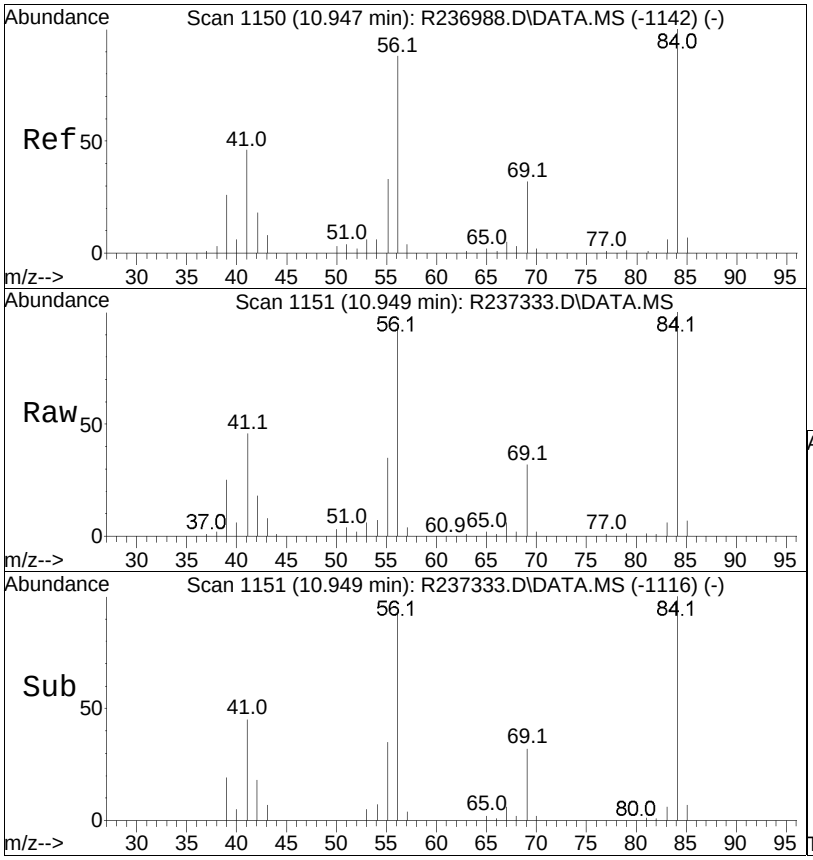


#52
carbon tetrachloride
Concen: 8.72 ppbV
RT: 10.817 min Scan# 1137
Delta R.T. 0.011 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:117 Resp: 484863

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.9	115.3
82	23.4	20.0	30.0

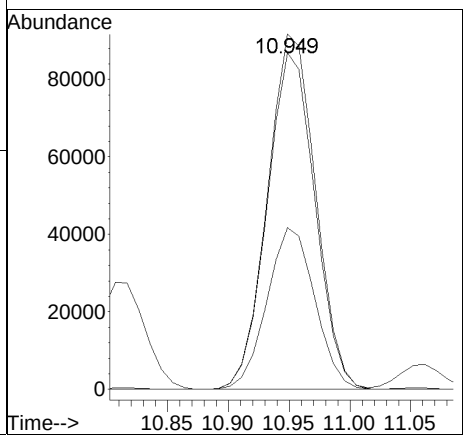


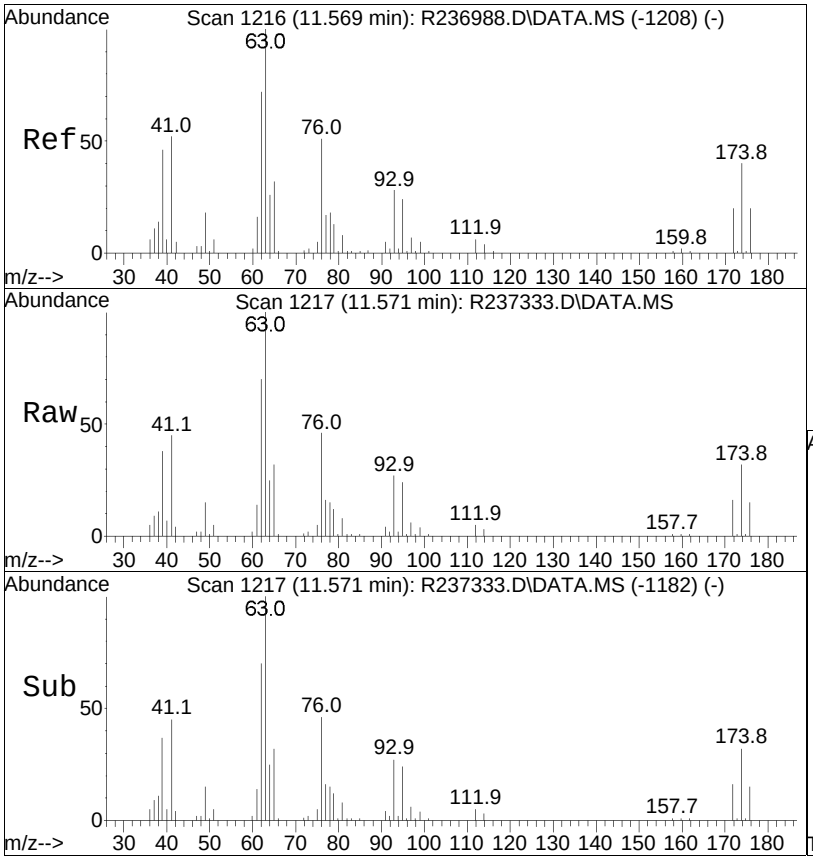


#53
cyclohexane
Concen: 10.79 ppbV
RT: 10.949 min Scan# 1151
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 56 Resp: 237302

Ion	Ratio	Lower	Upper
56	100		
84	105.6	91.1	136.7
41	48.1	42.2	63.2

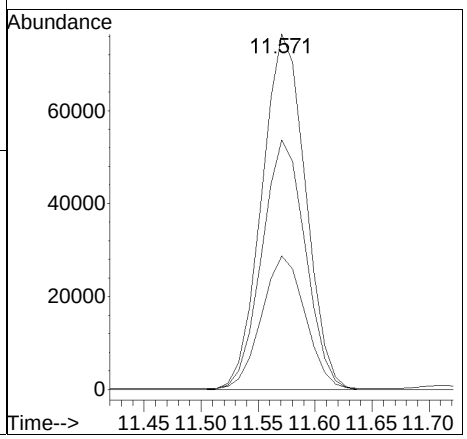


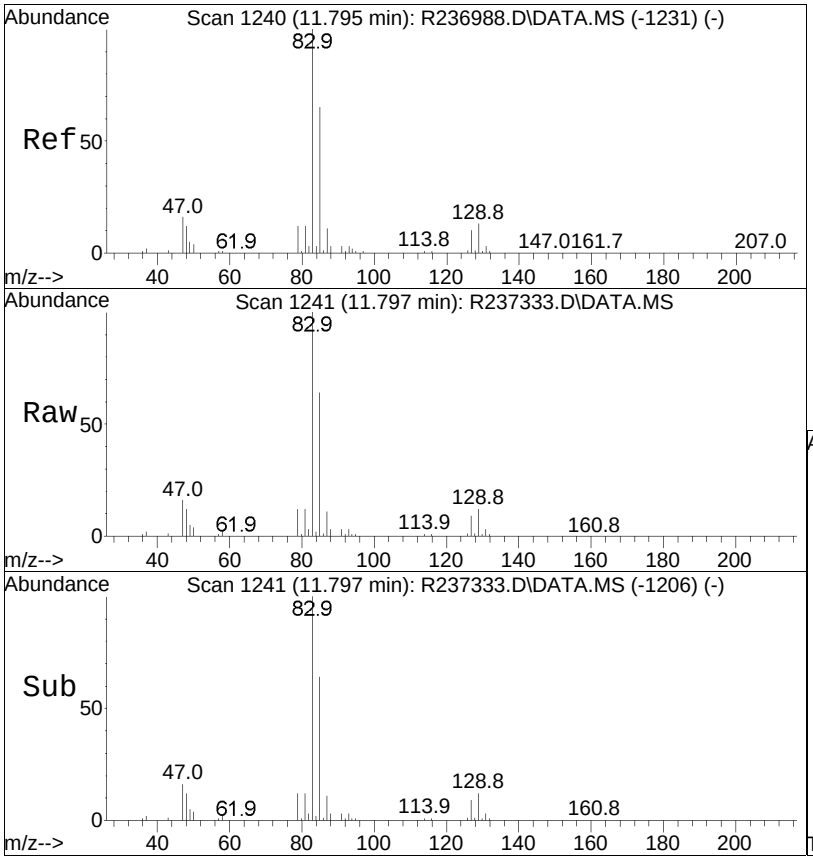


#56
1,2-dichloropropane
Concen: 10.81 ppbV
RT: 11.571 min Scan# 1217
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 63 Resp: 203646

Ion	Ratio	Lower	Upper
63	100		
62	70.2	57.8	86.6
39	37.5	37.0	55.4

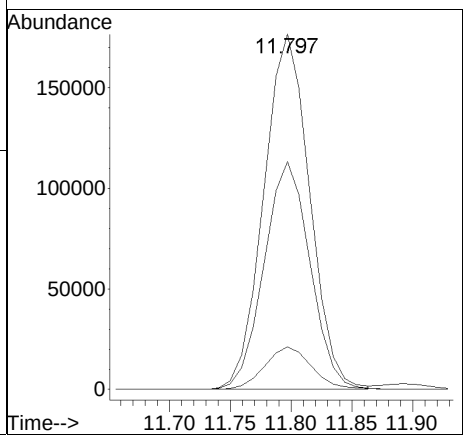


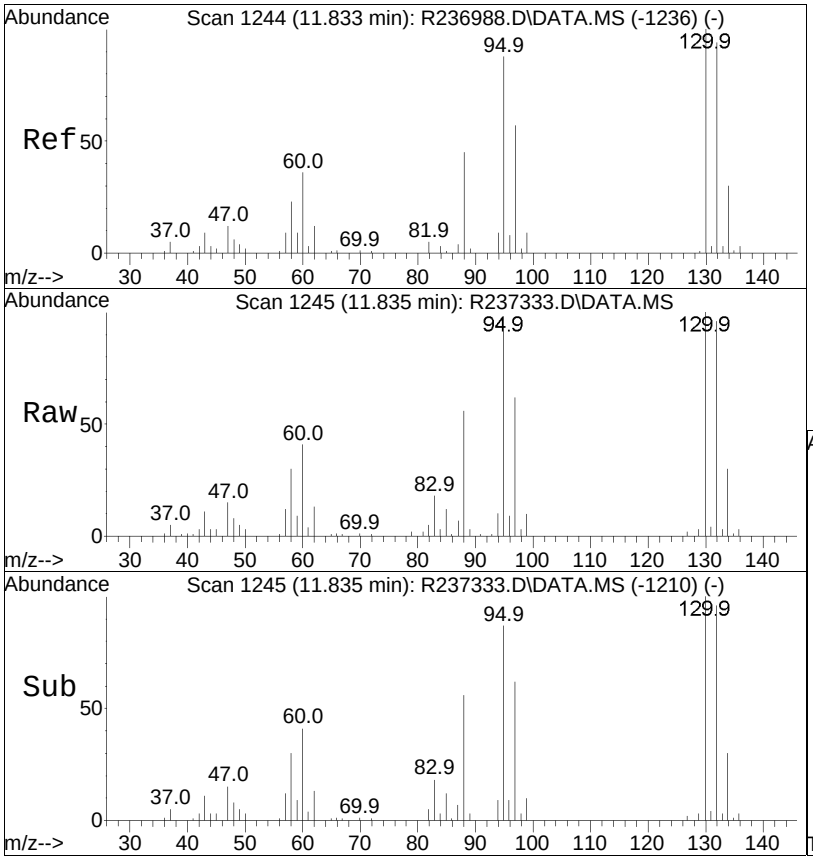


#57
bromodichloromethane
Concen: 10.22 ppbV
RT: 11.797 min Scan# 1241
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 83 Resp: 463446

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.7	77.5
129	12.0	10.7	16.1

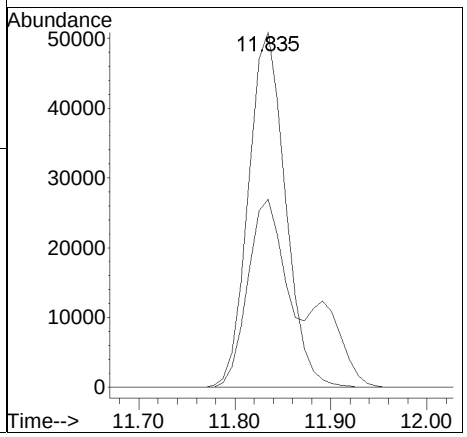


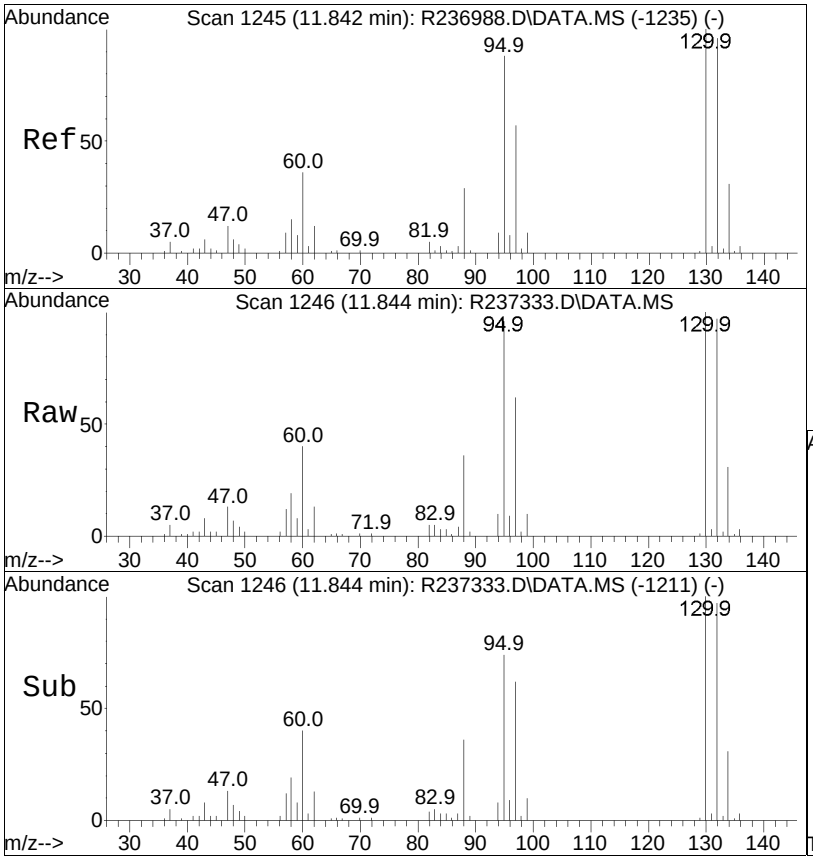


#58
1,4-dioxane
Concen: 10.20 ppbV
RT: 11.835 min Scan# 1245
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 88 Resp: 136381

Ion	Ratio	Lower	Upper
88	100		
58	52.9	40.1	60.1

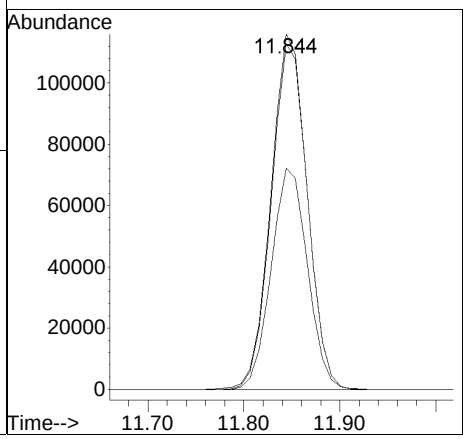


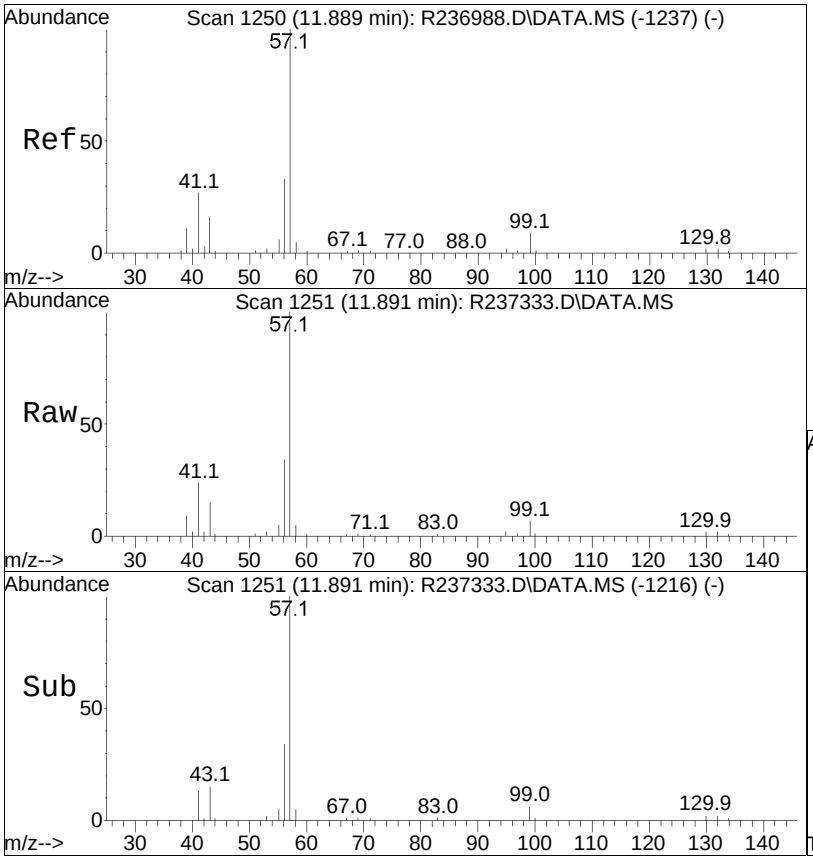


#59
trichloroethene
Concen: 8.45 ppbV
RT: 11.844 min Scan# 1246
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:130 Resp: 303147

Ion	Ratio	Lower	Upper
130	100		
132	97.3	76.7	115.1
97	62.3	45.7	68.5

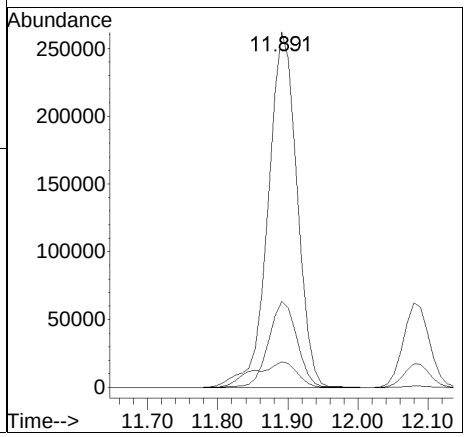


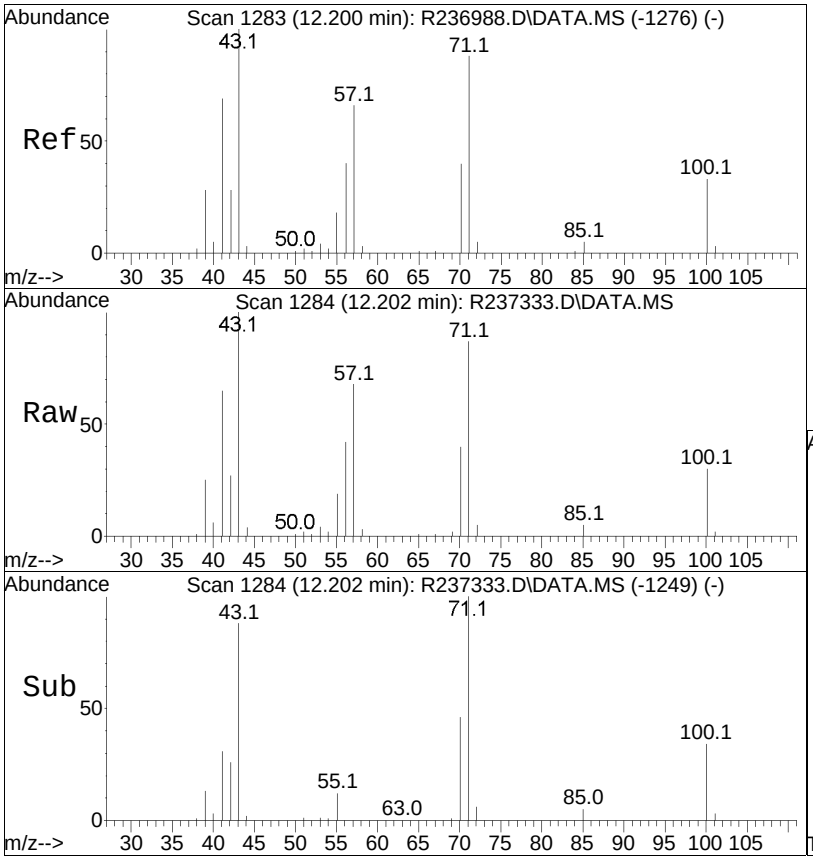


#60
2,2,4-trimethylpentane
Concen: 11.08 ppbV
RT: 11.891 min Scan# 1251
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 57 Resp: 750783

Ion	Ratio	Lower	Upper
57	100		
99	7.2	6.8	10.2
41	24.2	21.8	32.8

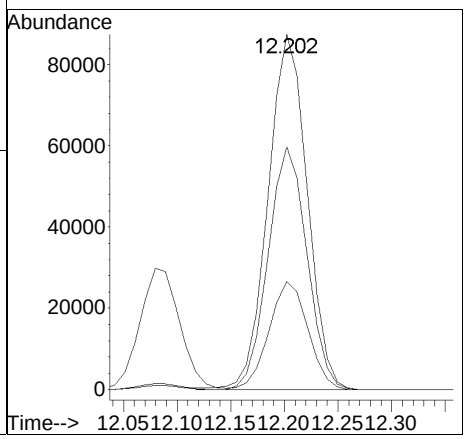


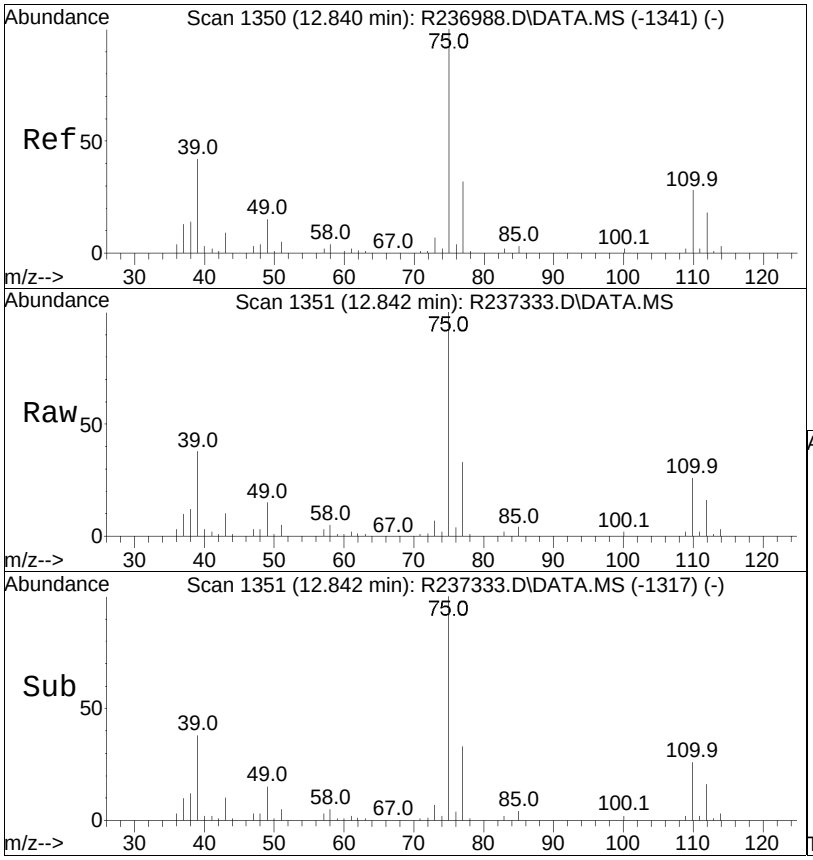


#62
heptane
Concen: 10.66 ppbV
RT: 12.202 min Scan# 1284
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 43 Resp: 221634

Ion	Ratio	Lower	Upper
43	100		
57	68.3	52.8	79.2
100	30.4	26.8	40.2

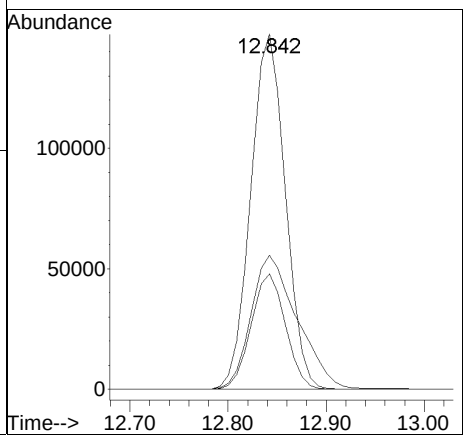


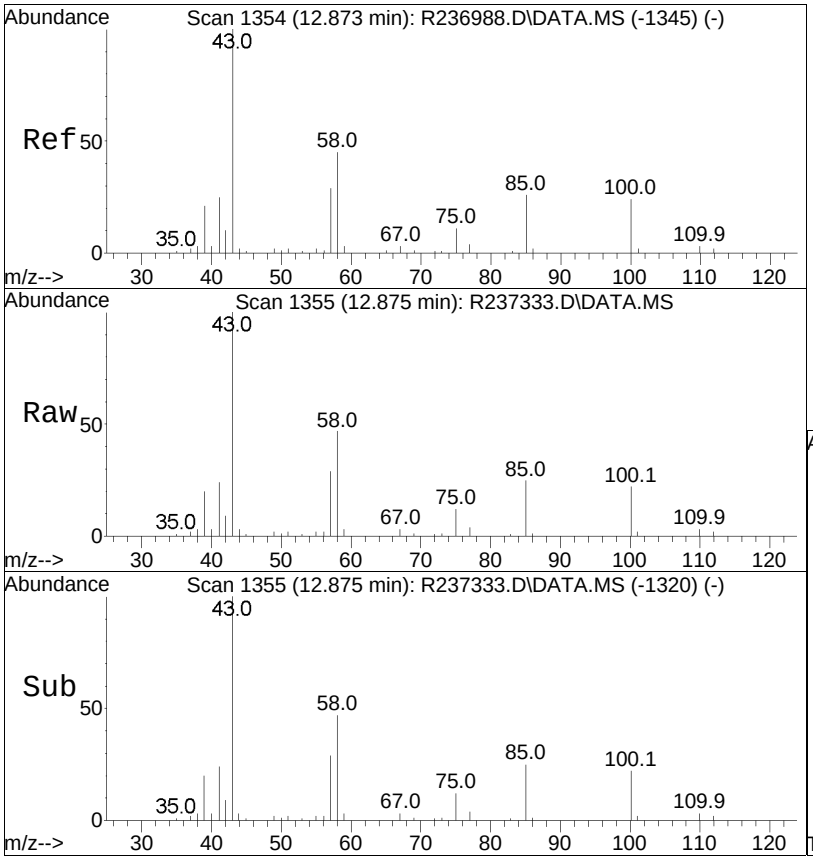


#63
cis-1,3-dichloropropene
Concen: 11.19 ppbV
RT: 12.842 min Scan# 1351
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 75 Resp: 361520

Ion	Ratio	Lower	Upper
75	100		
39	37.7	33.8	50.6
77	32.5	25.5	38.3

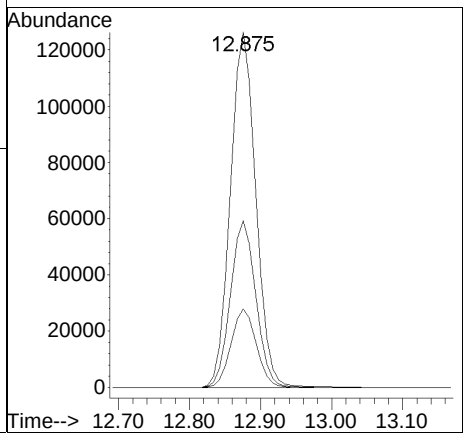


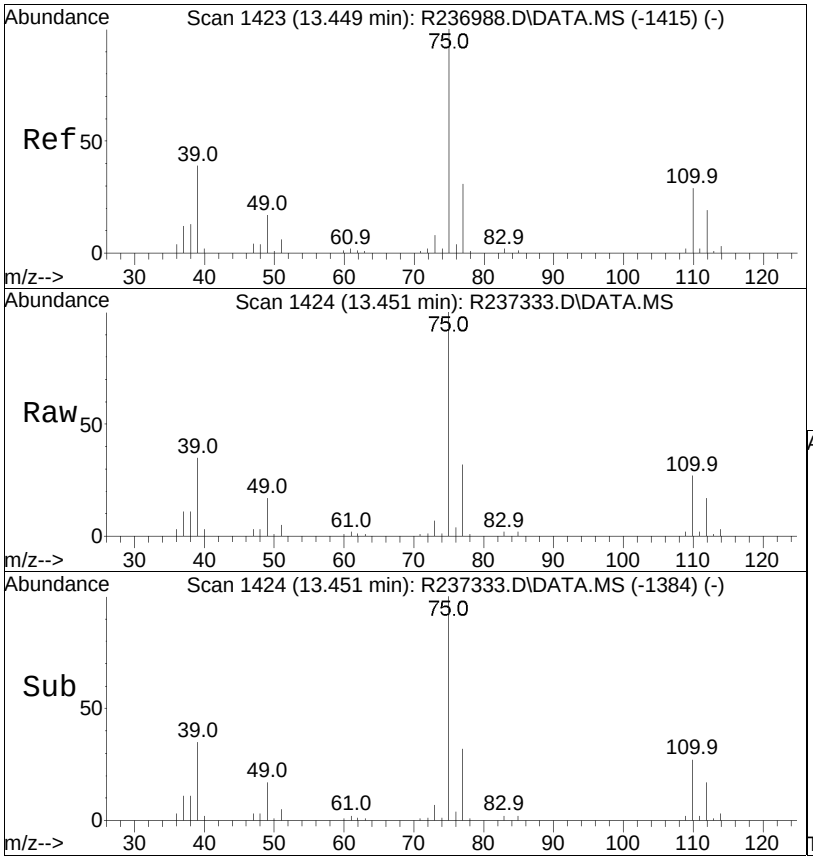


#64
4-methyl-2-pentanone
Concen: 10.40 ppbV
RT: 12.875 min Scan# 1355
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 43 Resp: 313924

Ion	Ratio	Lower	Upper
43	100		
58	46.9	35.7	53.5
100	22.1	19.0	28.6

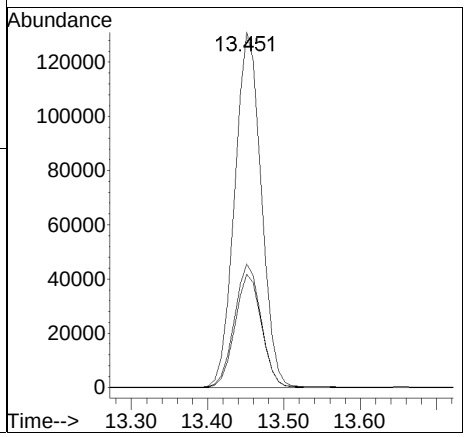


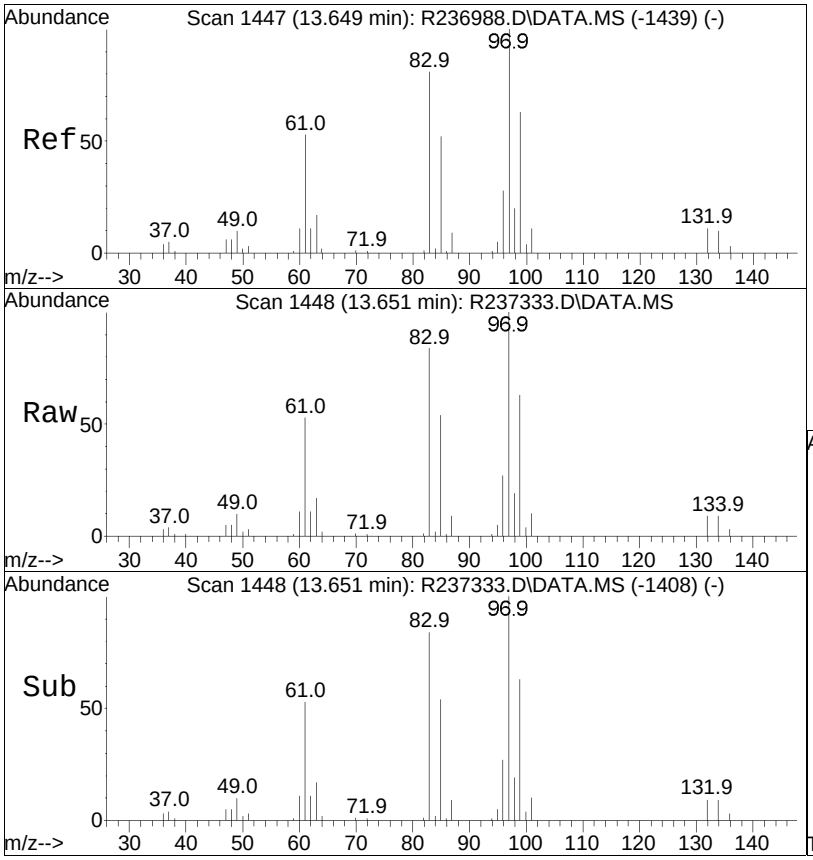


#65
trans-1,3-dichloropropene
Concen: 12.37 ppbV
RT: 13.451 min Scan# 1424
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 75 Resp: 317005

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	34.8	31.0	46.4

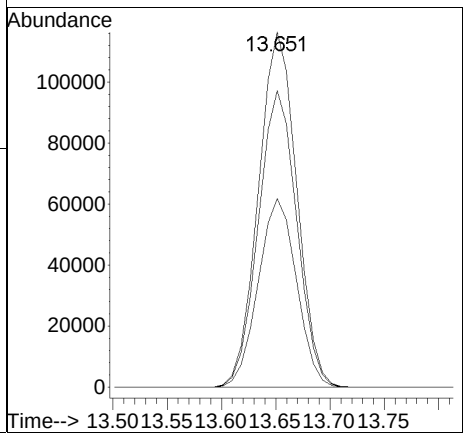


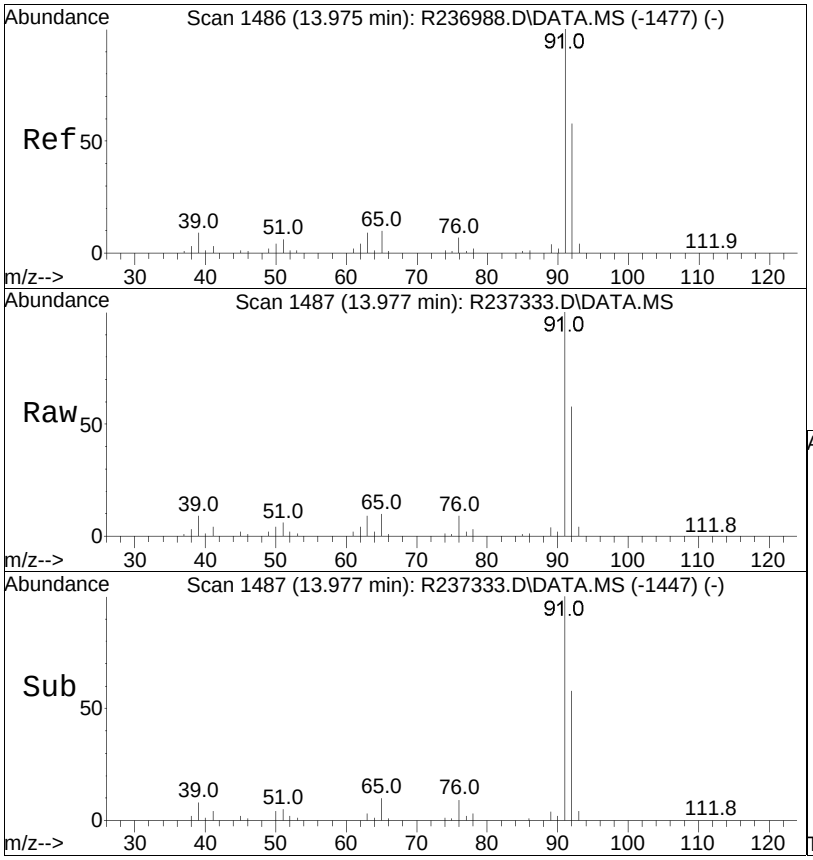


#66
1,1,2-trichloroethane
Concen: 9.65 ppbV
RT: 13.651 min Scan# 1448
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 97 Resp: 286674

Ion	Ratio	Lower	Upper
97	100		
83	83.5	64.5	96.7
61	53.2	42.2	63.2

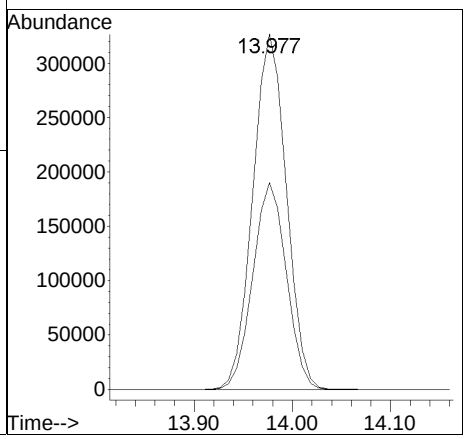


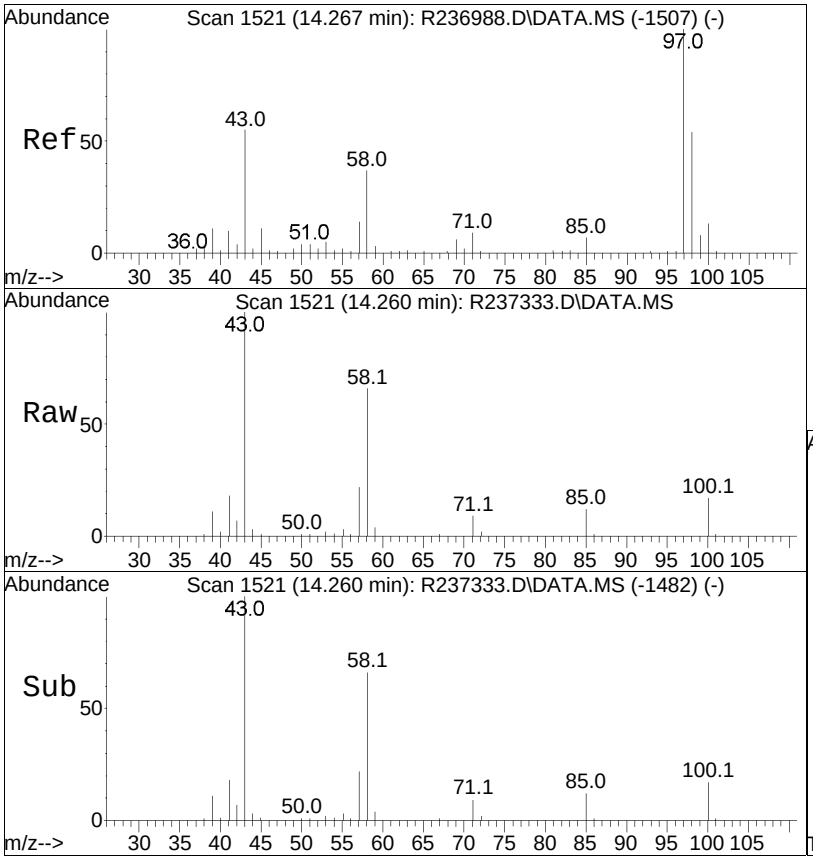


#68
toluene
Concen: 9.49 ppbV
RT: 13.977 min Scan# 1487
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 91 Resp: 777494

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.6	70.0

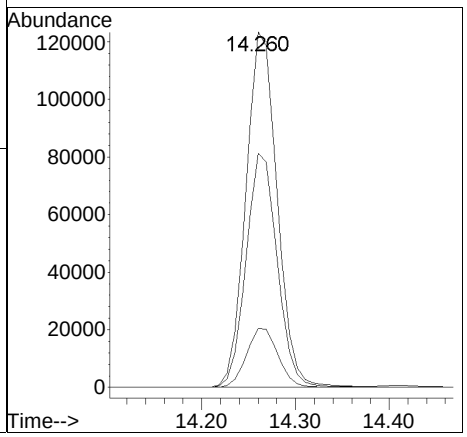


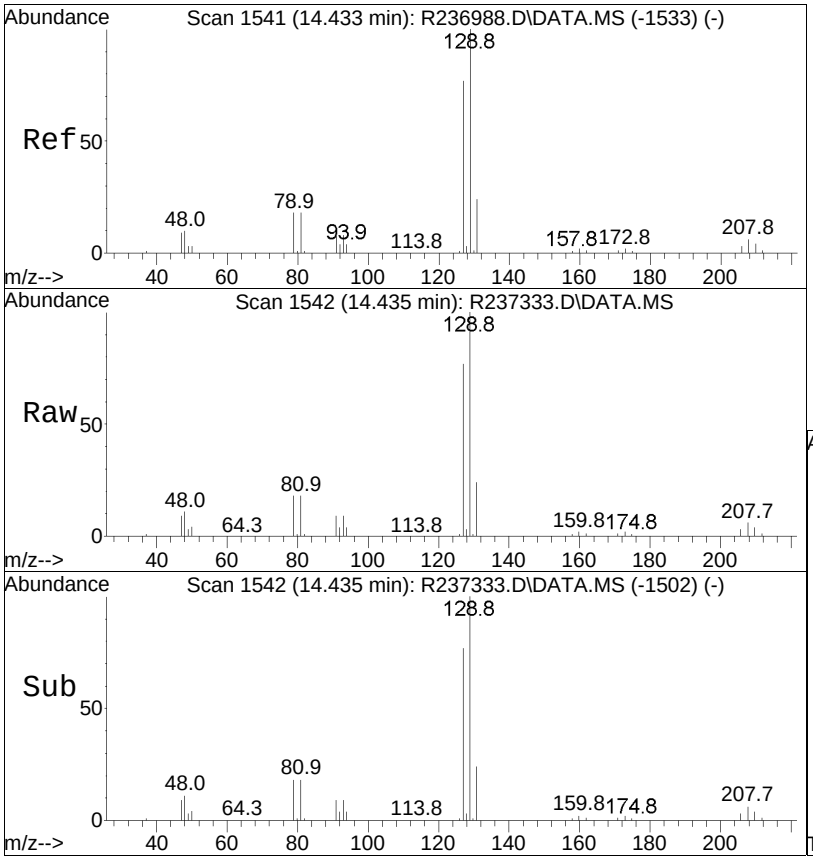


#72
2-hexanone
Concen: 9.76 ppbV
RT: 14.260 min Scan# 1521
Delta R.T. -0.006 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 43 Resp: 286863

Ion	Ratio	Lower	Upper
43	100		
58	65.9	53.6	80.4
100	16.6	18.2	27.4#

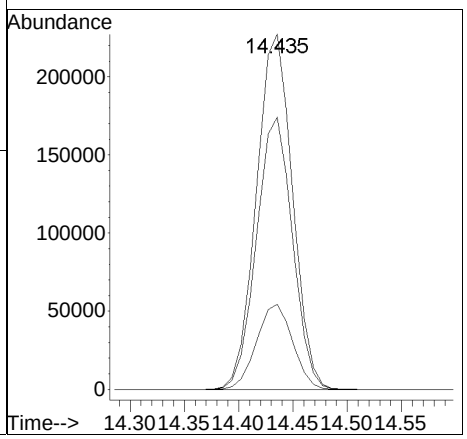


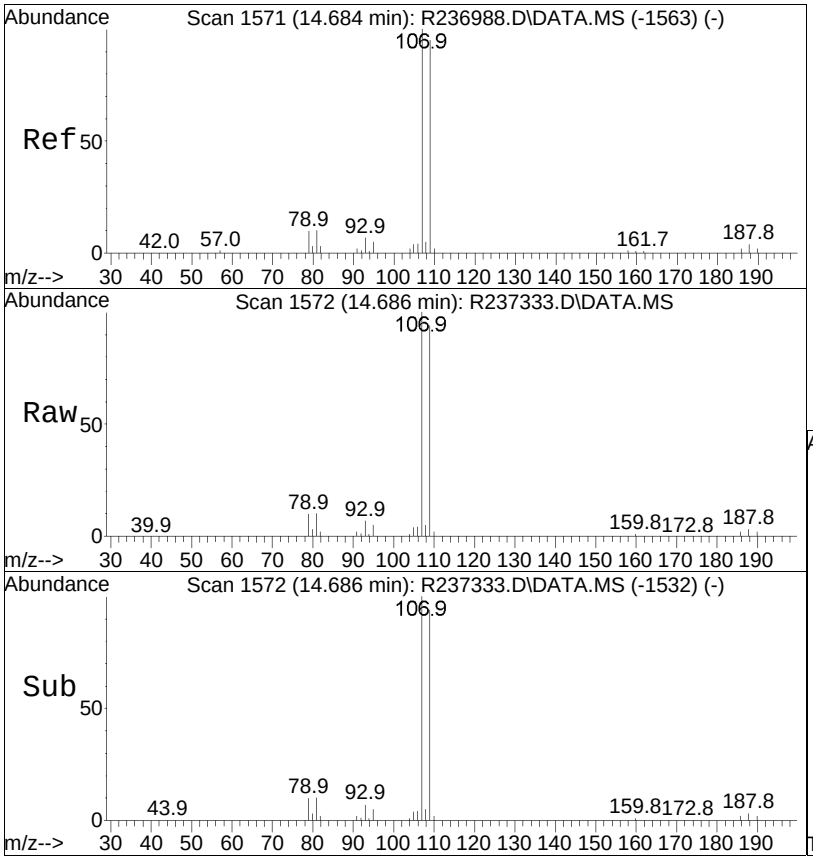


#74
dibromochloromethane
Concen: 9.32 ppbV
RT: 14.435 min Scan# 1542
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:129 Resp: 525918

Ion	Ratio	Lower	Upper
129	100		
127	76.6	61.7	92.5
131	24.0	19.3	28.9

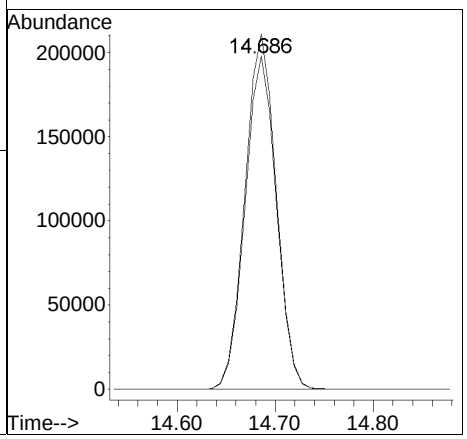


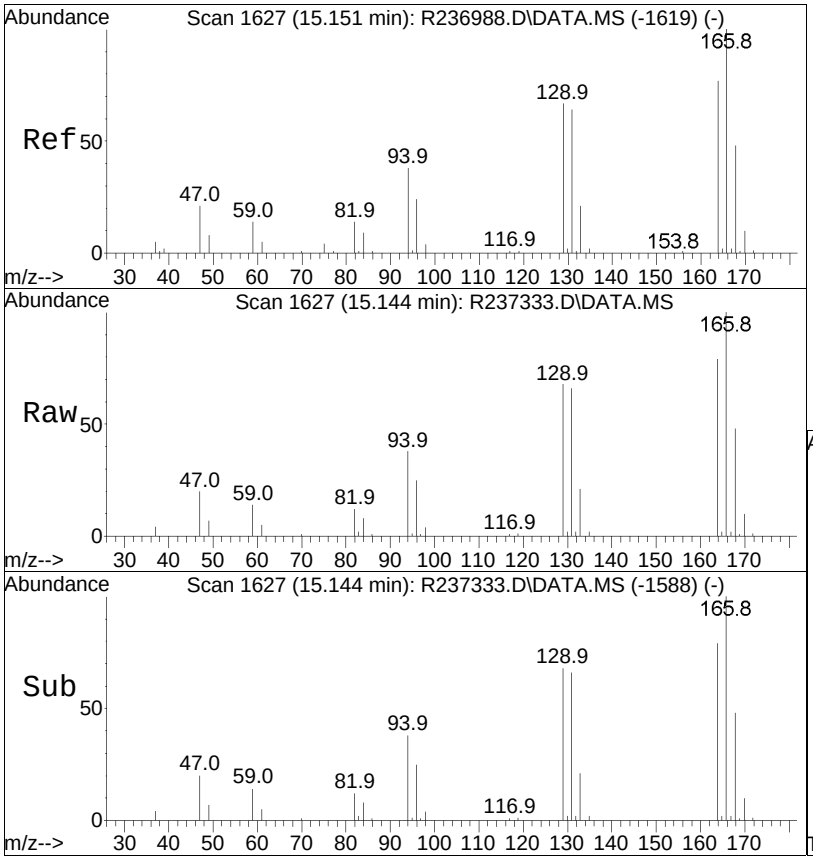


#75
1,2-dibromoethane
Concen: 9.71 ppbV
RT: 14.686 min Scan# 1572
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:107 Resp: 467678

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

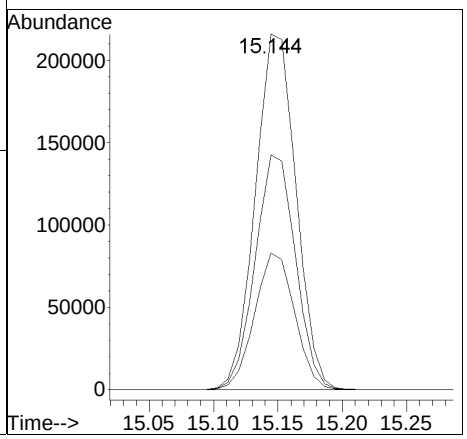


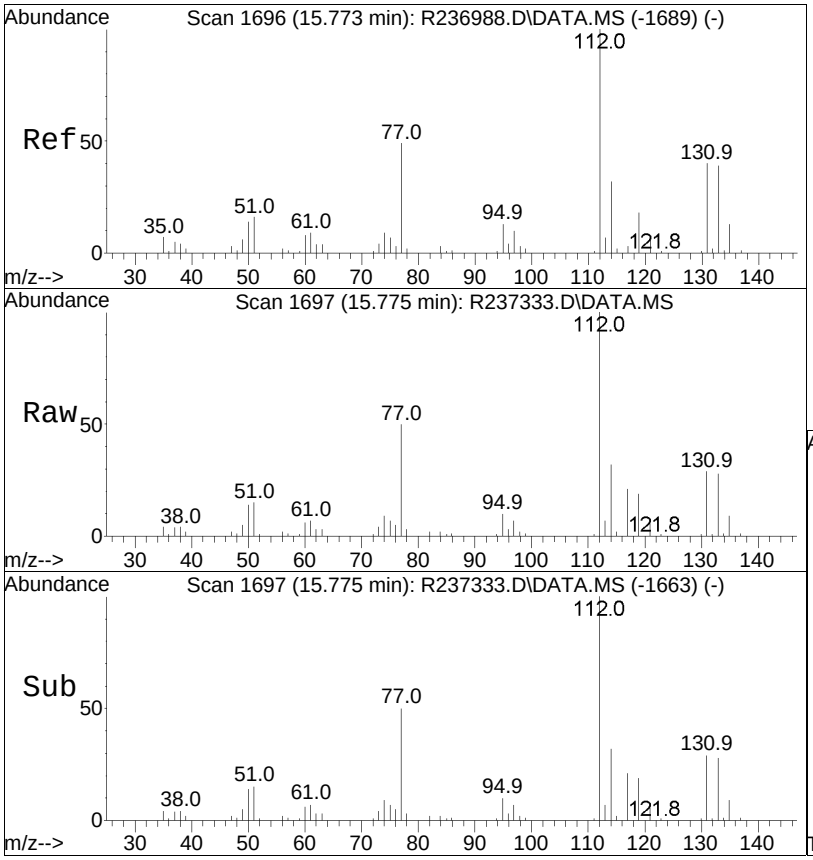


#78
tetrachloroethene
Concen: 9.25 ppbV
RT: 15.144 min Scan# 1627
Delta R.T. -0.006 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:166 Resp: 475009

Ion	Ratio	Lower	Upper
166	100		
131	66.0	51.4	77.0
94	38.5	30.2	45.2

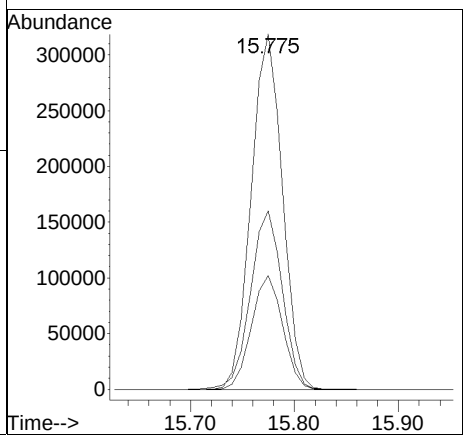


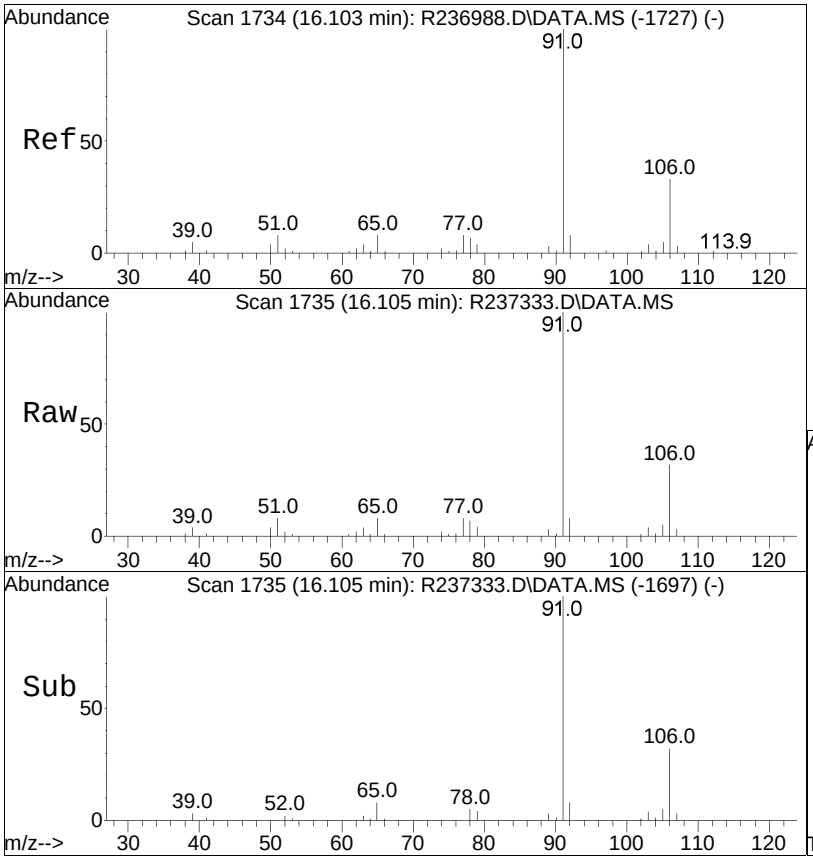


#80
chlorobenzene
Concen: 9.66 ppbV
RT: 15.775 min Scan# 1697
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:112 Resp: 666269

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9
77	50.3	39.1	58.7

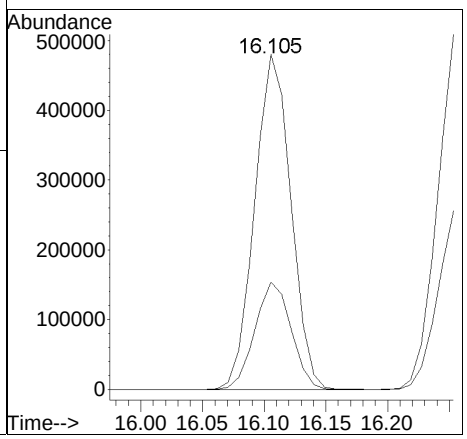


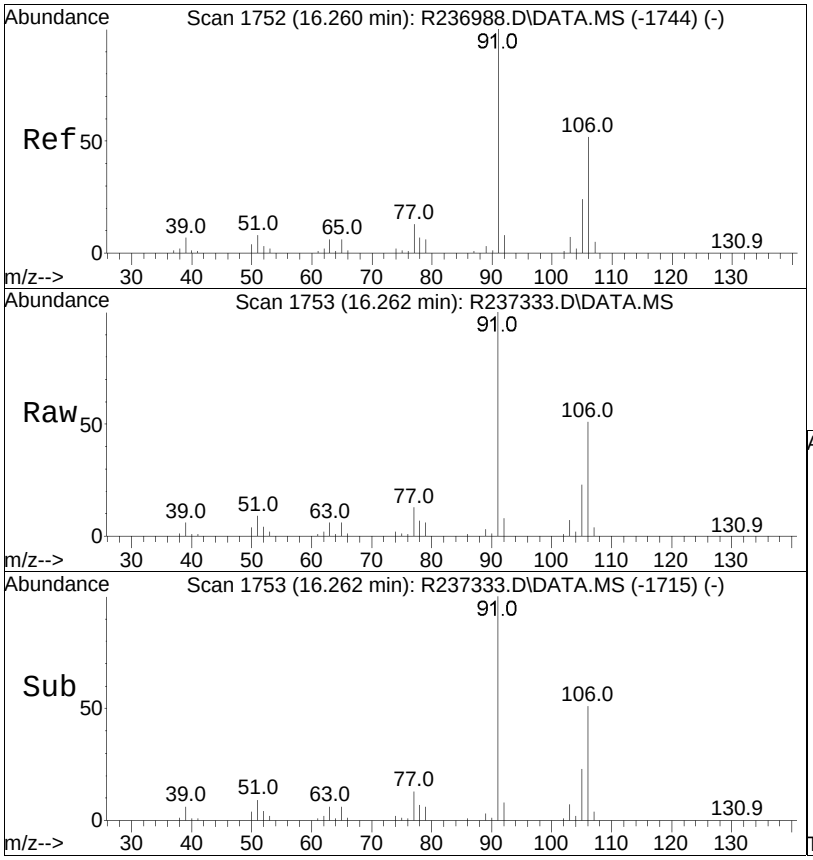


#81
ethylbenzene
Concen: 9.35 ppbV
RT: 16.105 min Scan# 1735
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 91 Resp: 978658

Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.6	40.0

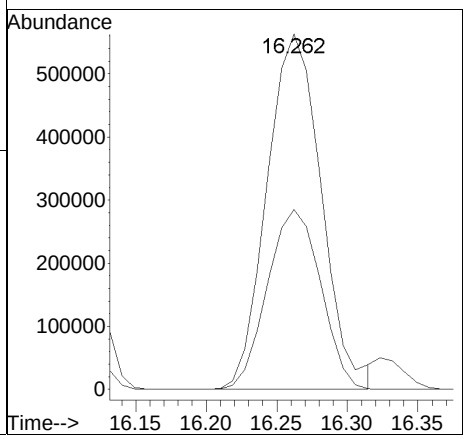


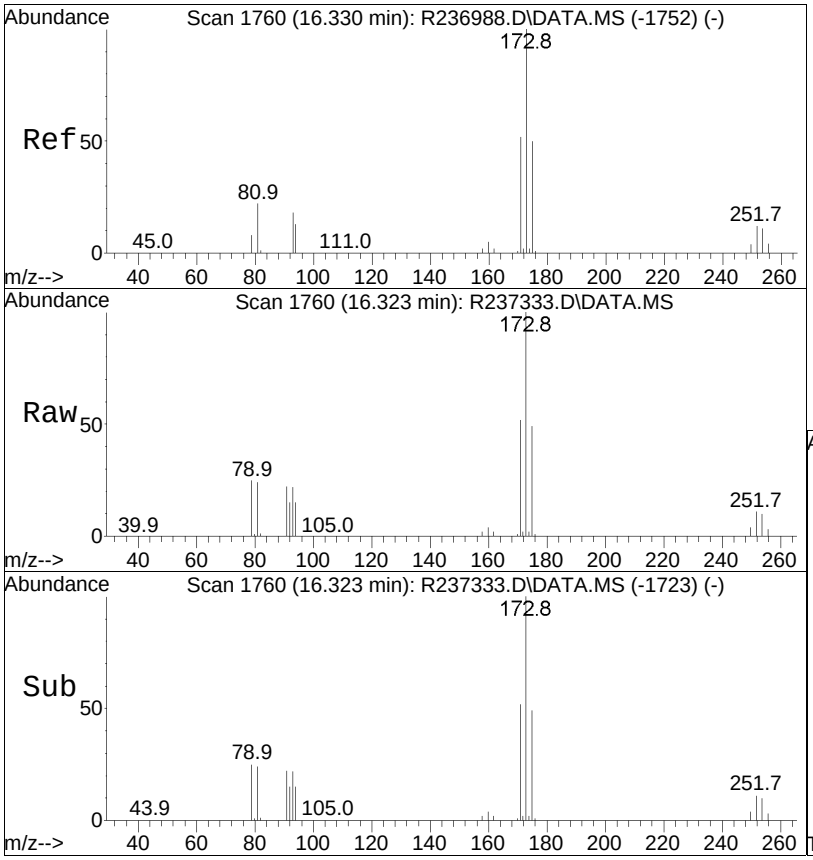


#83
m+p-xylene
Concen: 18.97 ppbV
RT: 16.262 min Scan# 1753
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 91 Resp: 1509179

Ion	Ratio	Lower	Upper
91	100		
106	50.6	41.7	62.5

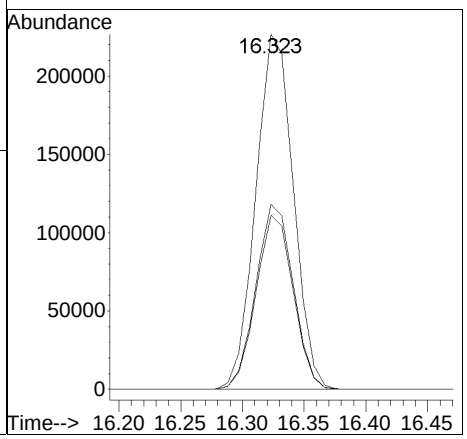


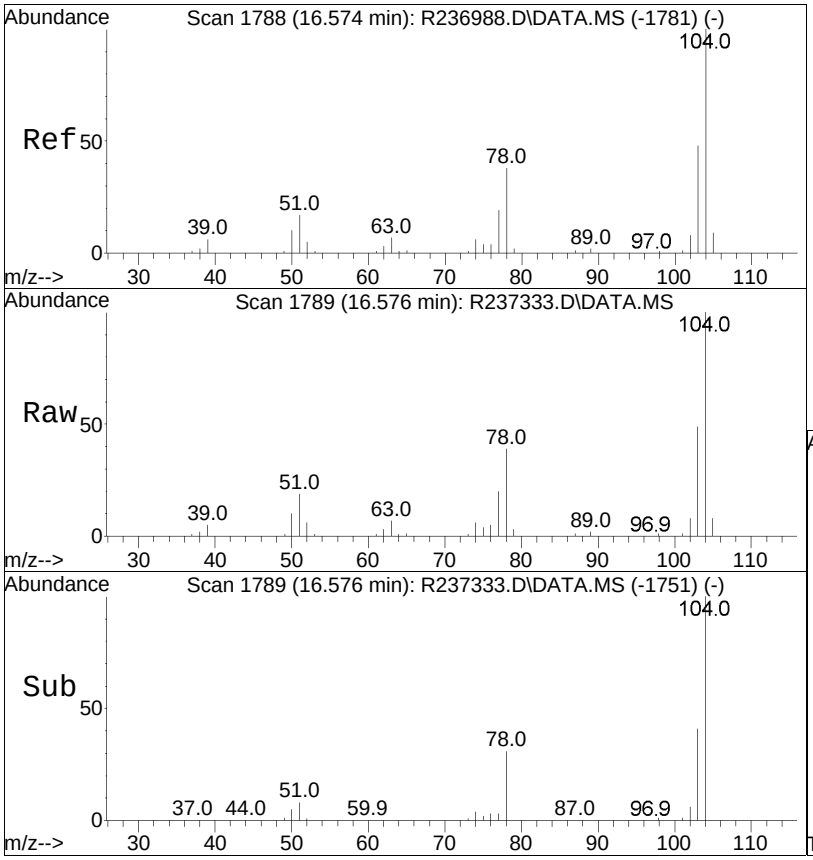


#84
bromoform
Concen: 8.45 ppbV
RT: 16.323 min Scan# 1760
Delta R.T. -0.007 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:173 Resp: 479056

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.7	59.5
171	52.1	41.4	62.2

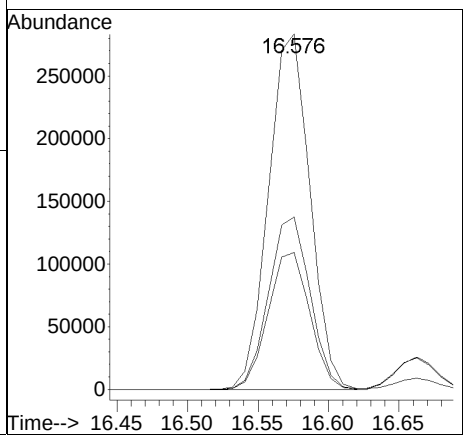


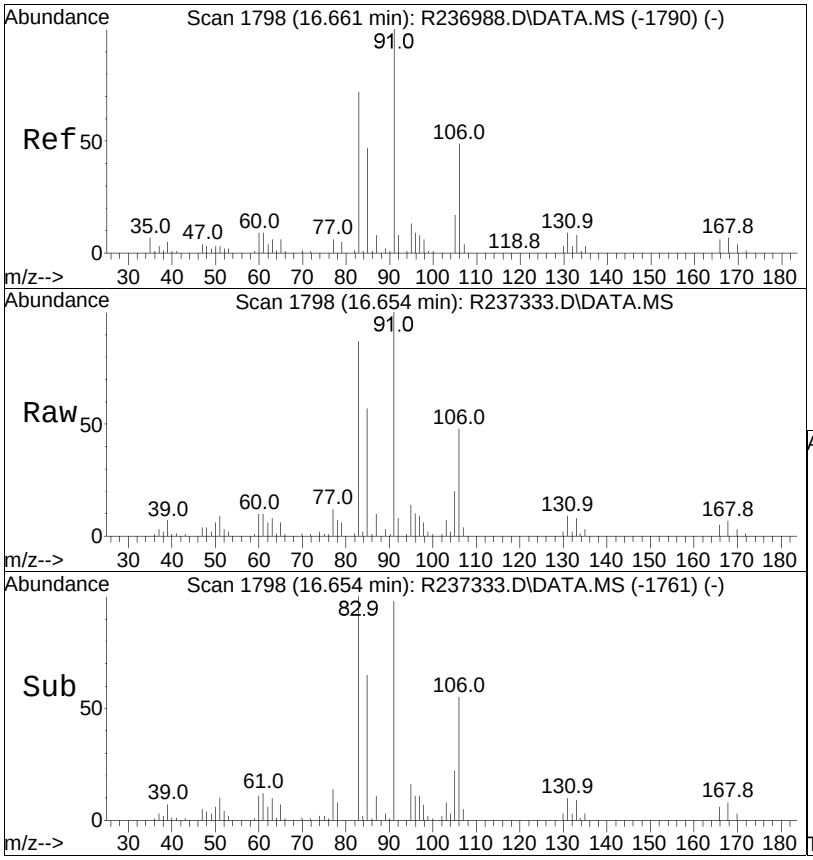


#85
styrene
Concen: 9.26 ppbV
RT: 16.576 min Scan# 1789
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:104 Resp: 578884

Ion	Ratio	Lower	Upper
104	100		
103	48.5	38.2	57.4
78	38.5	30.6	45.8

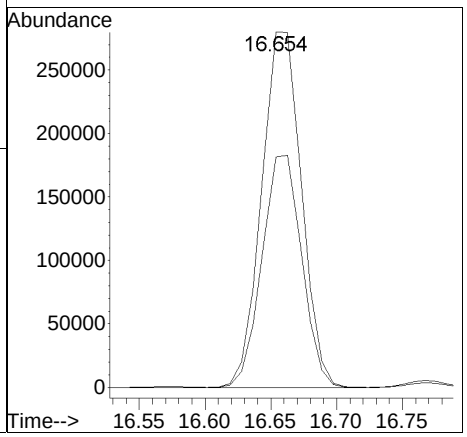


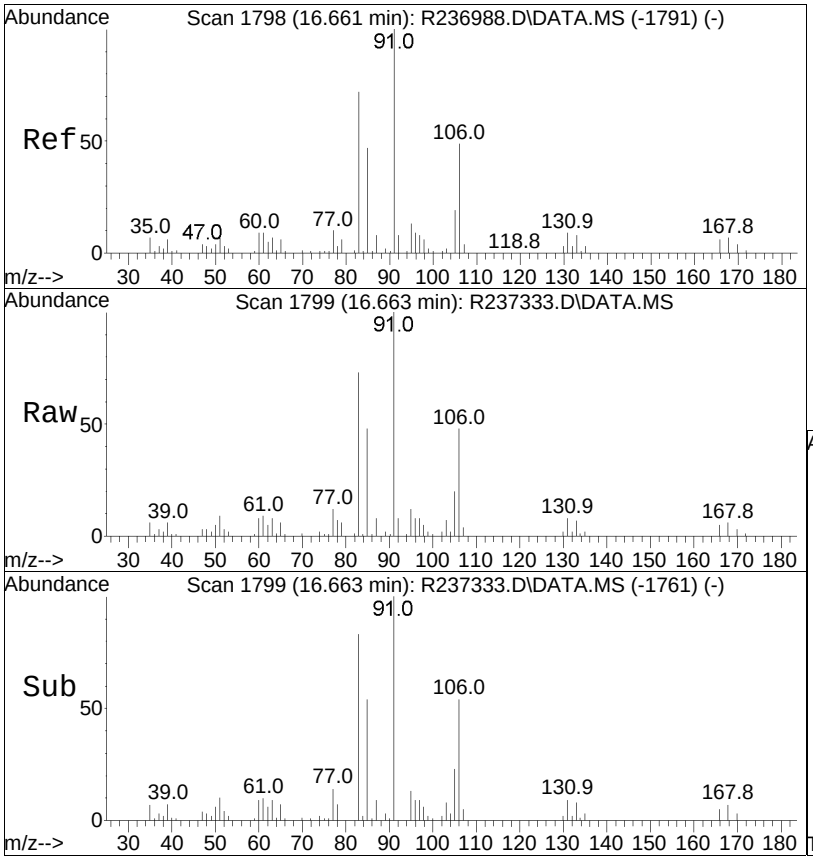


#86
1,1,2,2-tetrachloroethane
Concen: 10.19 ppbV
RT: 16.654 min Scan# 1798
Delta R.T. -0.007 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 83 Resp: 590093

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8

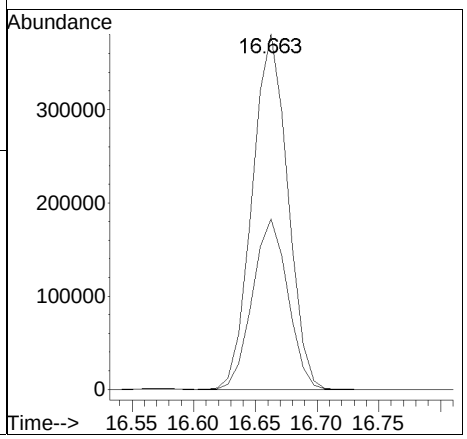


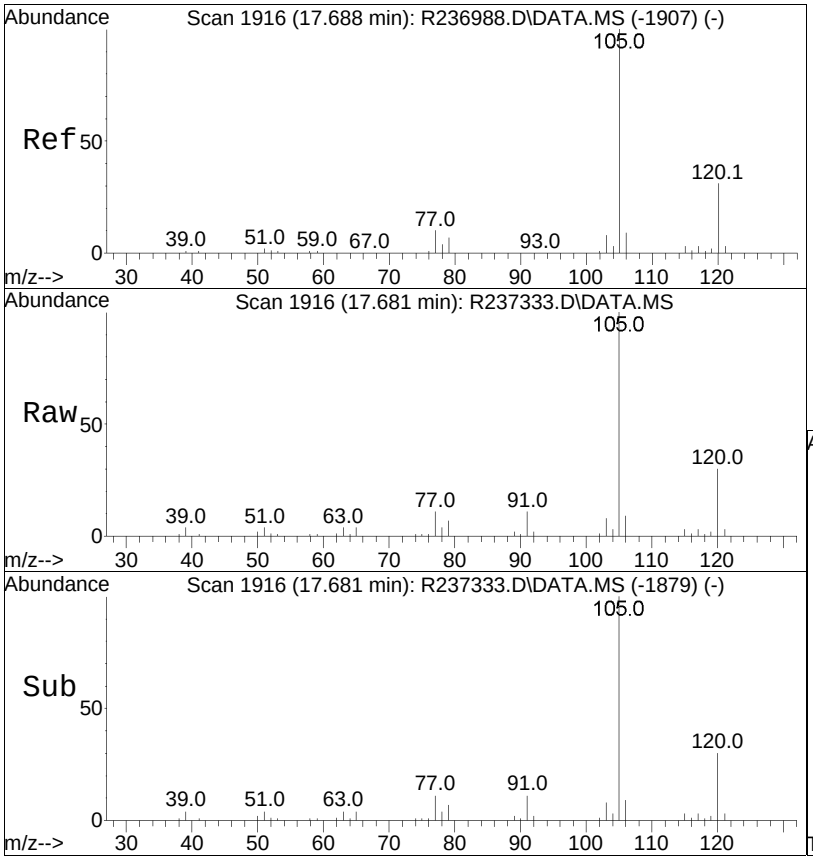


#87
o-xylene
Concen: 9.47 ppbV
RT: 16.663 min Scan# 1799
Delta R.T. 0.002 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 91 Resp: 760963

Ion	Ratio	Lower	Upper
91	100		
106	48.0	39.6	59.4

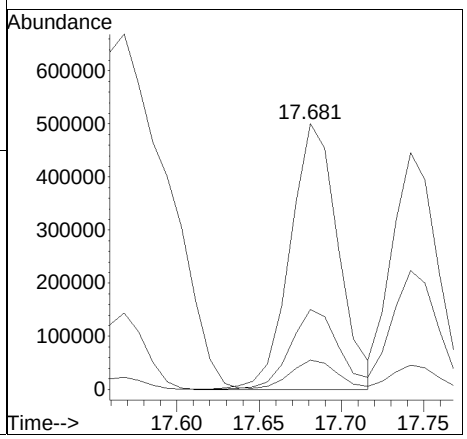


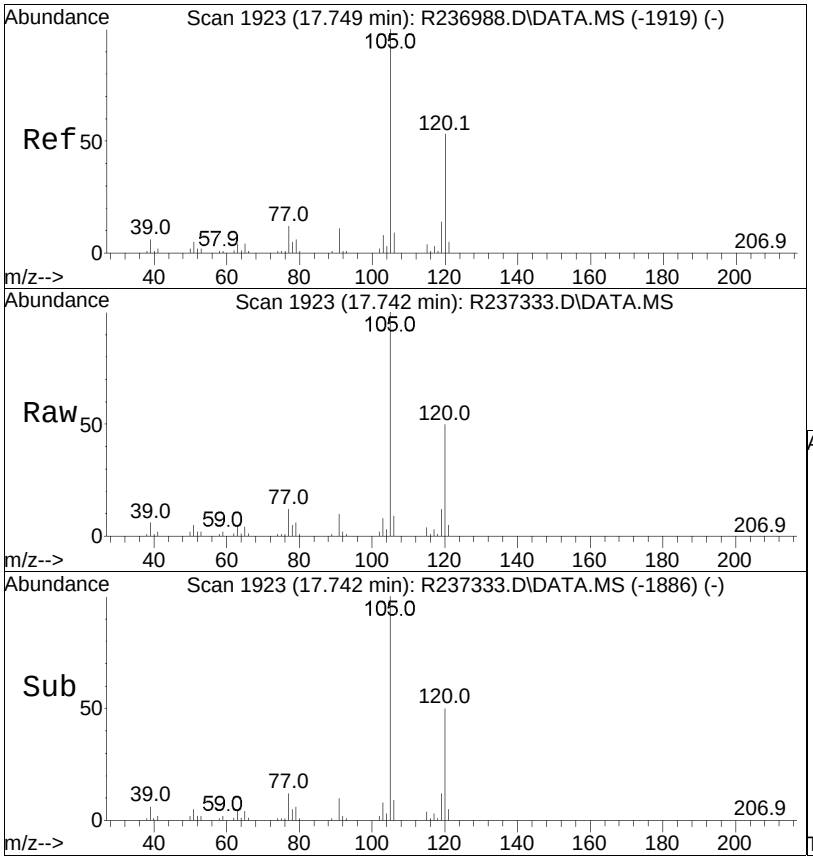


#96
4-ethyl toluene
Concen: 9.62 ppbV
RT: 17.681 min Scan# 1916
Delta R.T. -0.007 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:105 Resp: 1017227

Ion	Ratio	Lower	Upper
105	100		
120	30.1	25.1	37.7
91	11.1	8.8	13.2

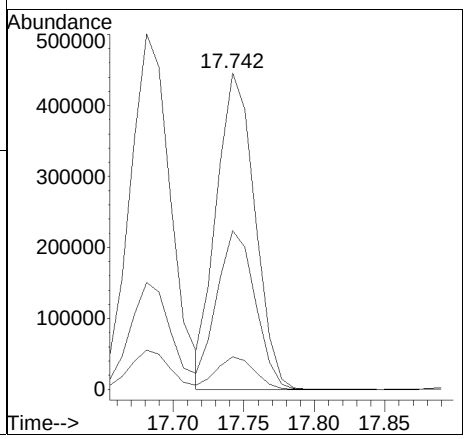


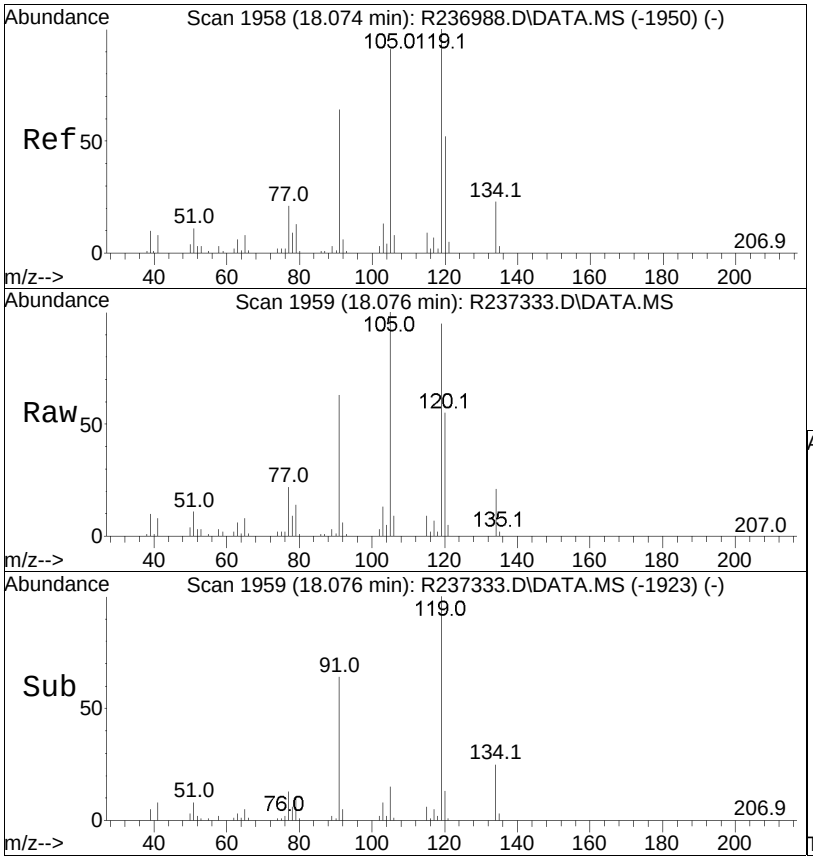


#97
1,3,5-trimethylbenzene
Concen: 9.48 ppbV
RT: 17.742 min Scan# 1923
Delta R.T. -0.007 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:105 Resp: 844274

Ion	Ratio	Lower	Upper
105	100		
120	50.2	40.7	61.1
91	10.3	8.5	12.7

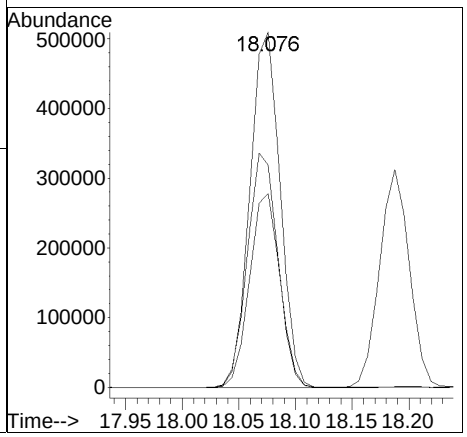


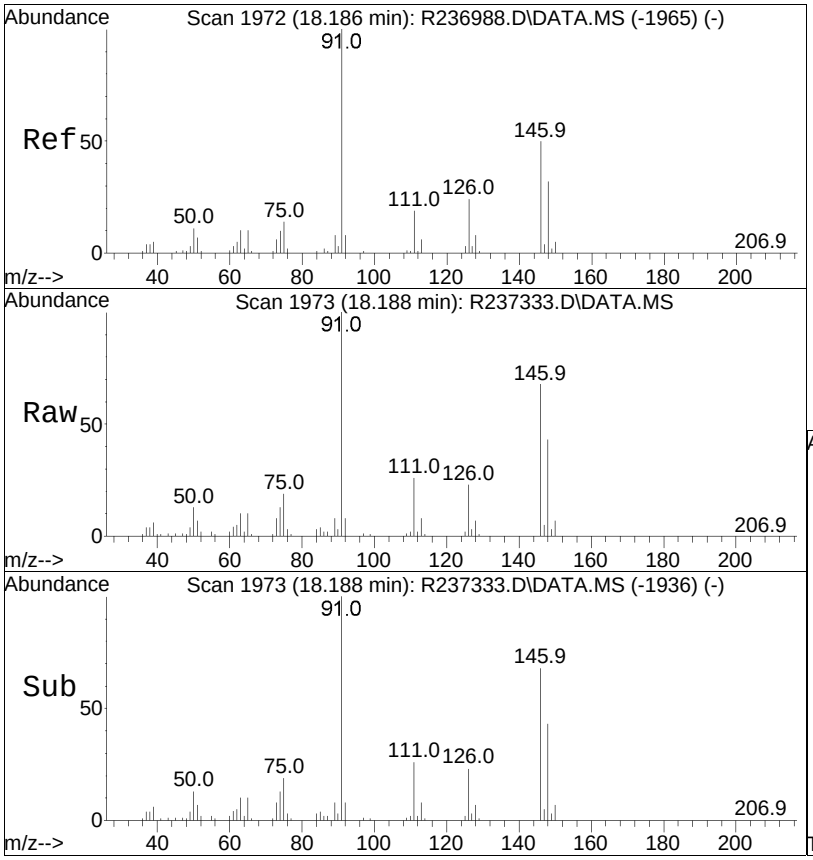


#99
1,2,4-trimethylbenzene
Concen: 9.93 ppbV
RT: 18.076 min Scan# 1959
Delta R.T. 0.001 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:105 Resp: 944658

Ion	Ratio	Lower	Upper
105	100		
120	54.6	45.9	68.9
91	62.6	56.2	84.2

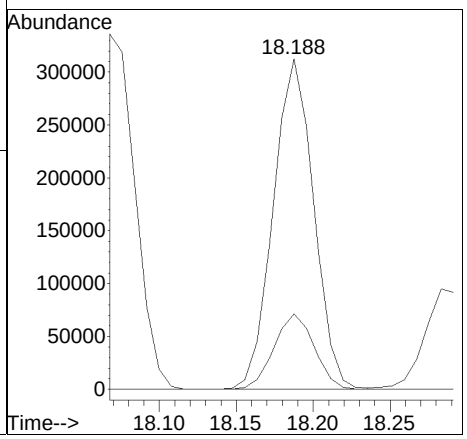


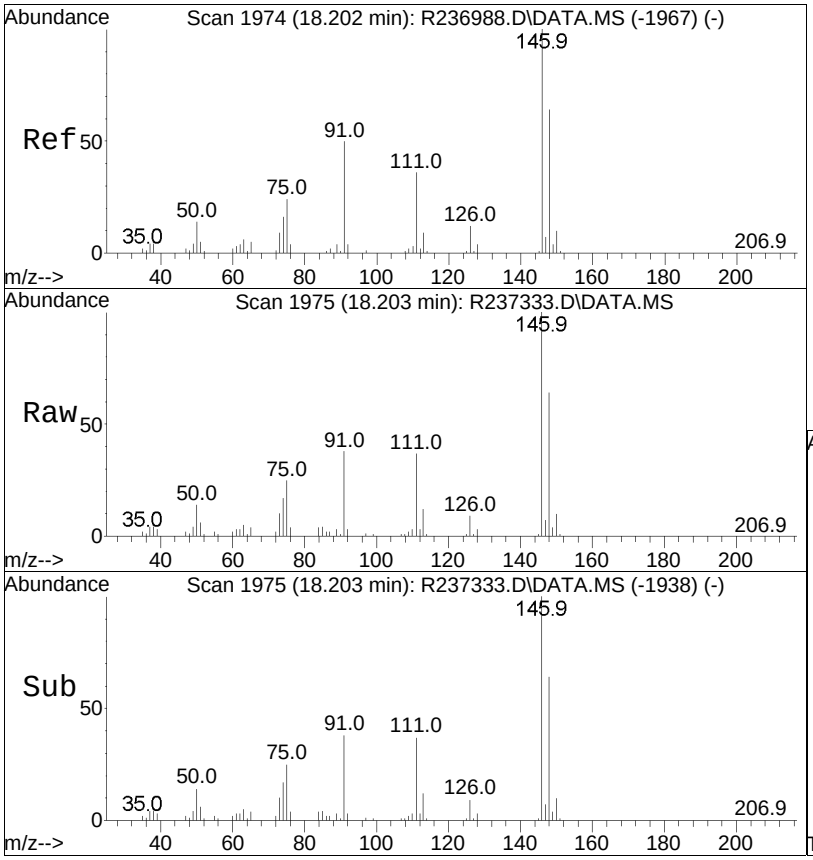


#101
Benzyl Chloride
Concen: 8.41 ppbV
RT: 18.188 min Scan# 1973
Delta R.T. 0.001 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion: 91 Resp: 571640

Ion	Ratio	Lower	Upper
91	100		
126	22.9	18.9	28.3

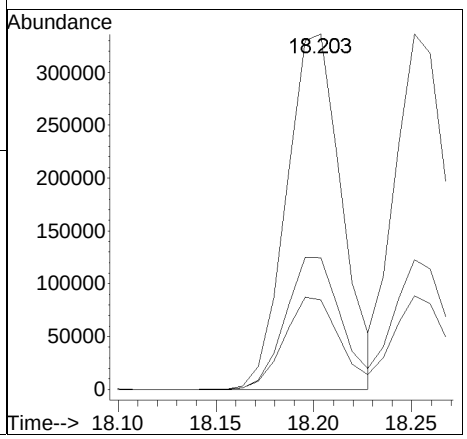


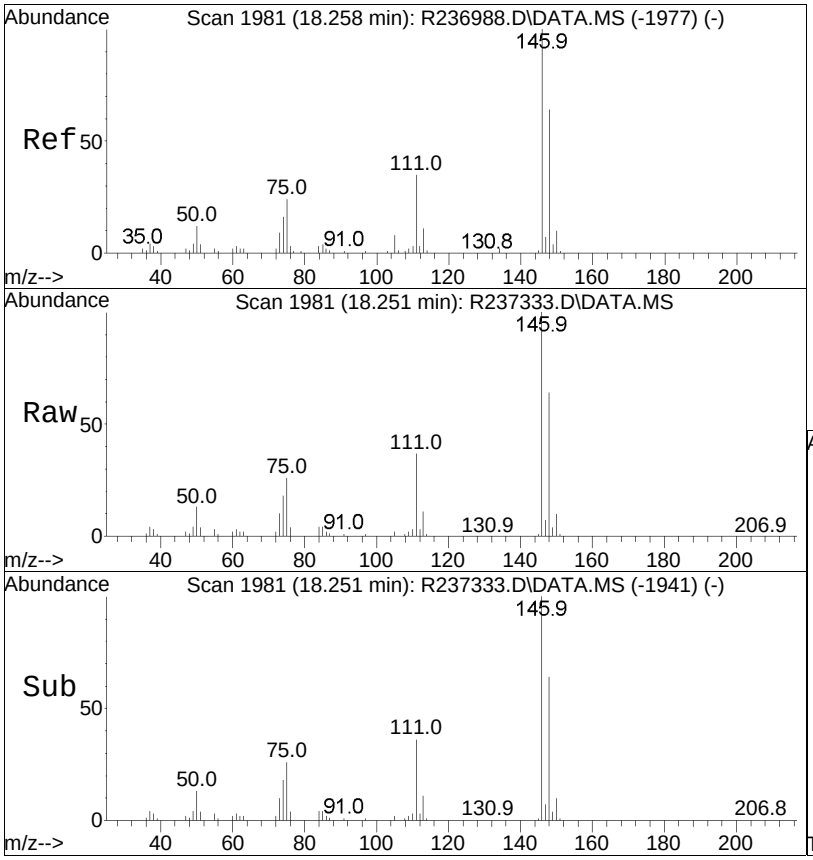


#102
1,3-dichlorobenzene
Concen: 8.69 ppbV
RT: 18.203 min Scan# 1975
Delta R.T. 0.001 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:146 Resp: 656153

Ion	Ratio	Lower	Upper
146	100		
111	37.1	28.8	43.2
75	25.2	18.9	28.3

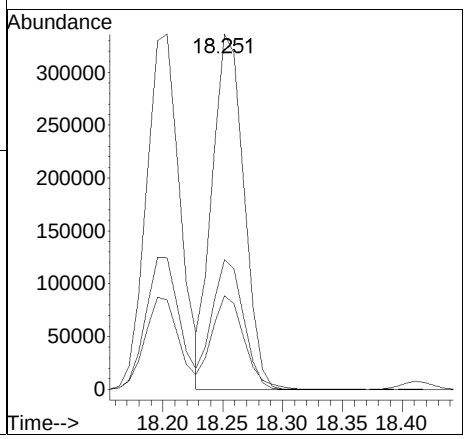


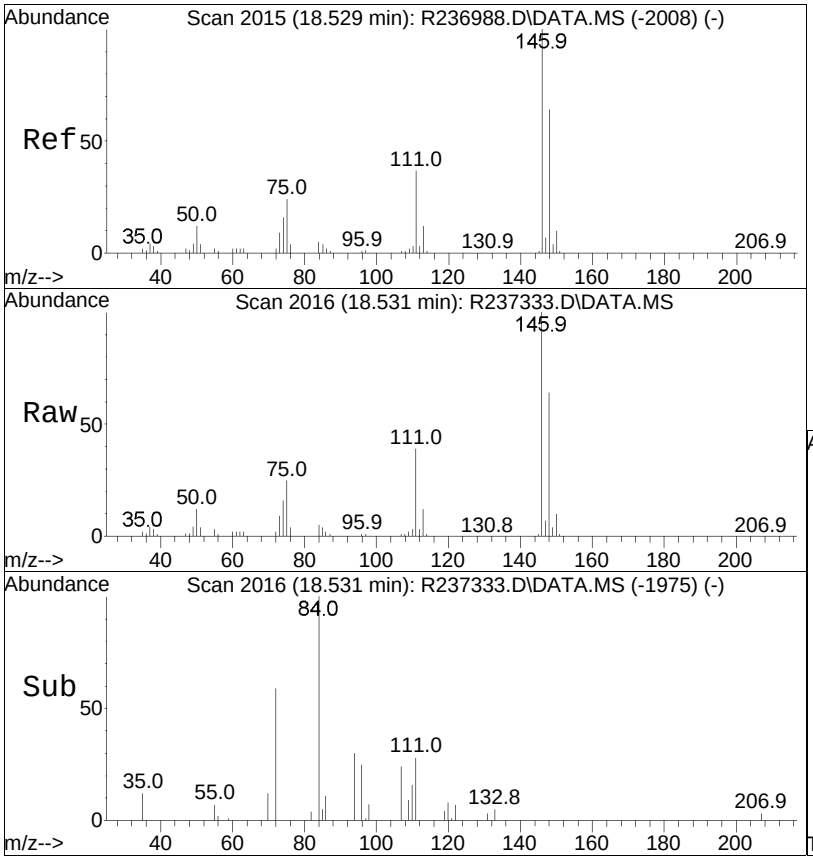


#103
1,4-dichlorobenzene
Concen: 8.55 ppbV
RT: 18.251 min Scan# 1981
Delta R.T. -0.007 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:146 Resp: 618717

Ion	Ratio	Lower	Upper
146	100		
111	36.5	27.7	41.5
75	26.3	18.8	28.2

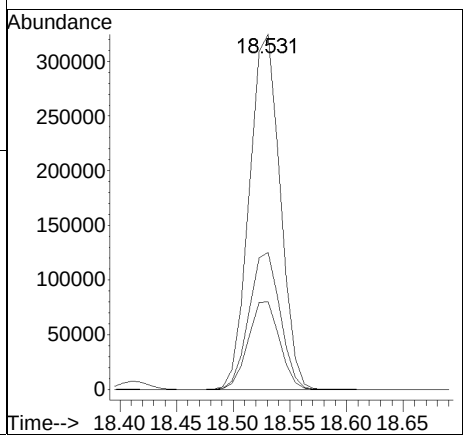


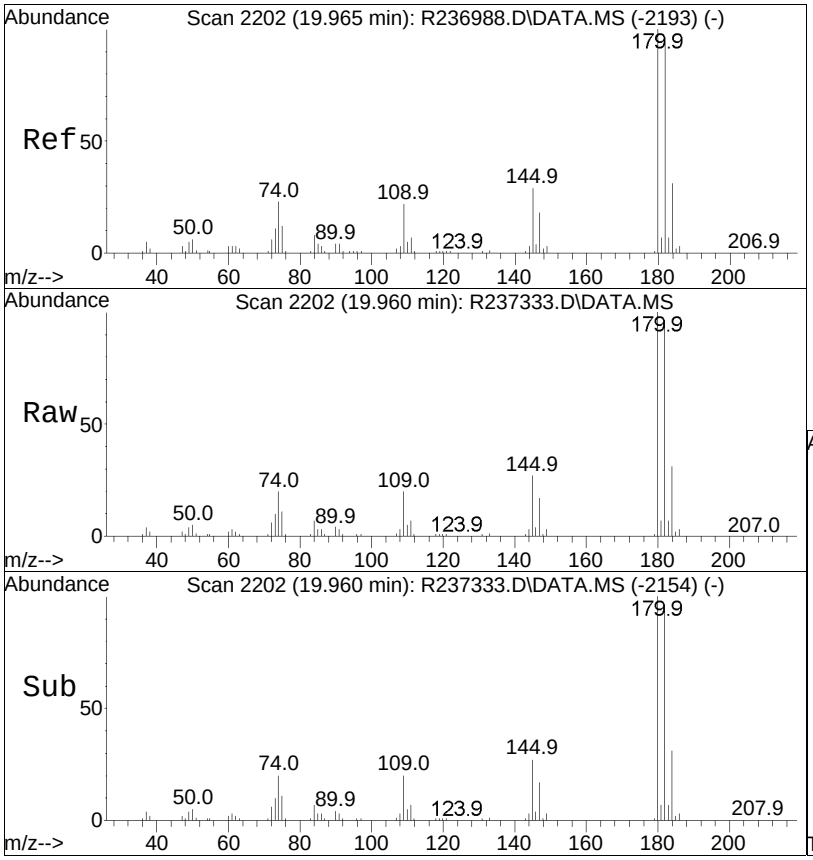


#107
1,2-dichlorobenzene
Concen: 8.61 ppbV
RT: 18.531 min Scan# 2016
Delta R.T. 0.001 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:146 Resp: 615142

Ion	Ratio	Lower	Upper
146	100		
111	38.6	29.8	44.6
75	24.7	18.9	28.3

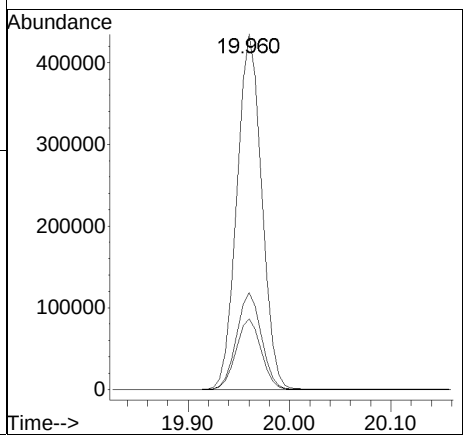


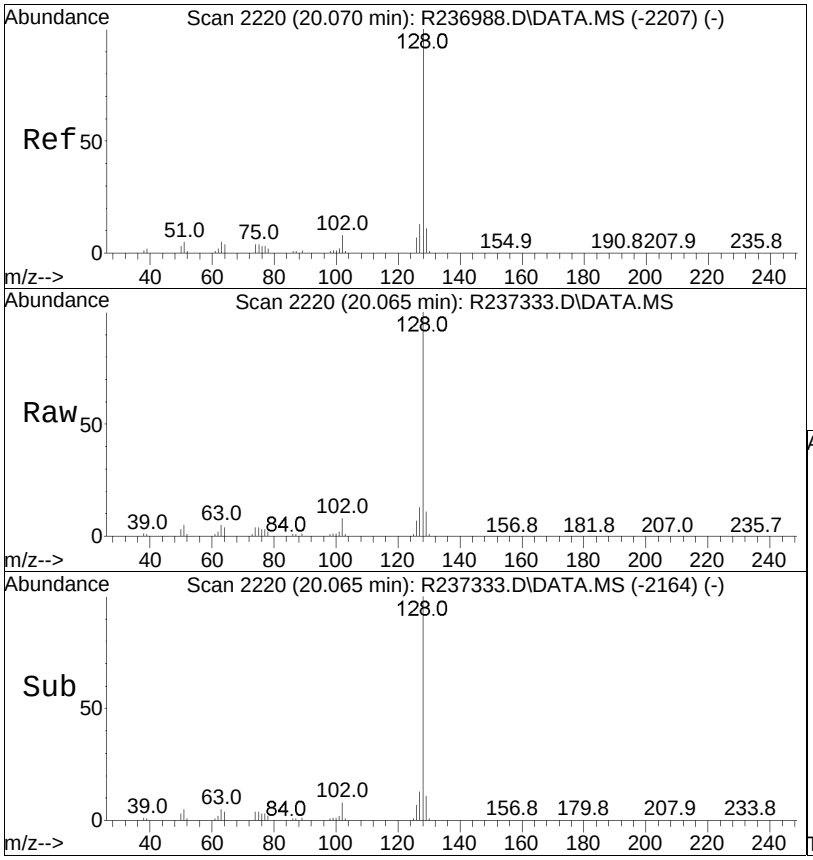


#115
1,2,4-trichlorobenzene
Concen: 11.78 ppbV
RT: 19.960 min Scan# 2202
Delta R.T. -0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:180 Resp: 740426

Ion	Ratio	Lower	Upper
180	100		
145	27.2	22.8	34.2
109	19.9	17.8	26.6

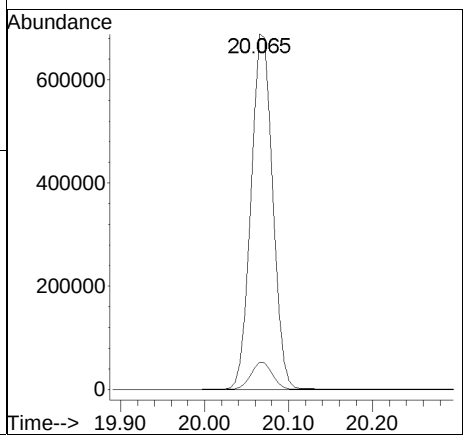


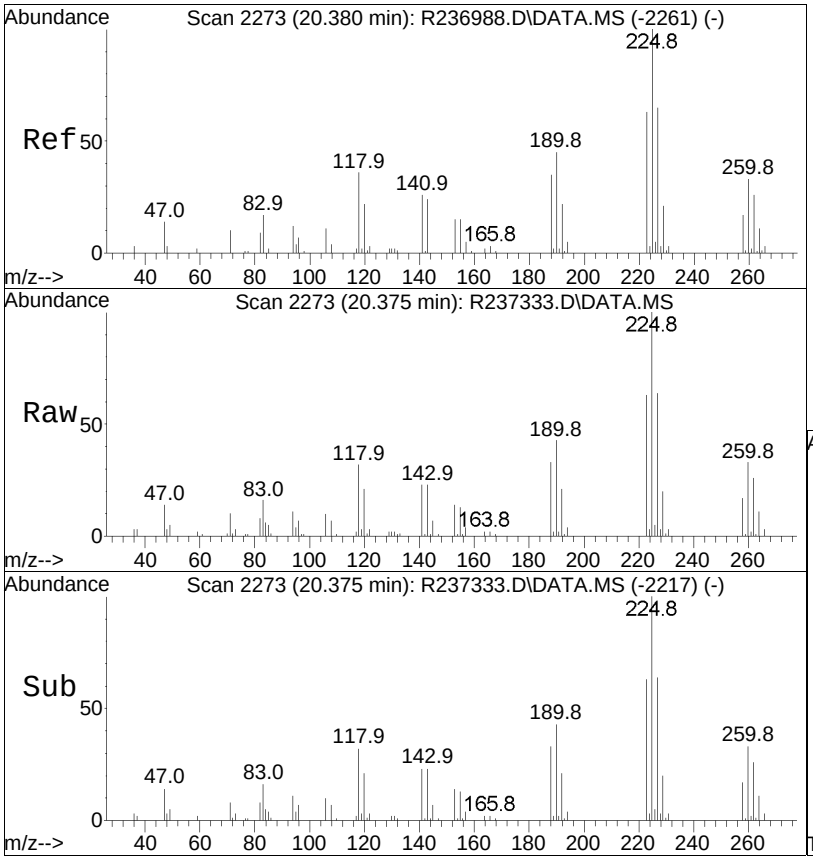


#116
naphthalene
Concen: 9.60 ppbV
RT: 20.065 min Scan# 2220
Delta R.T. -0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:128 Resp: 1235681

Ion	Ratio	Lower	Upper
128	100		
102	7.7	6.4	9.6

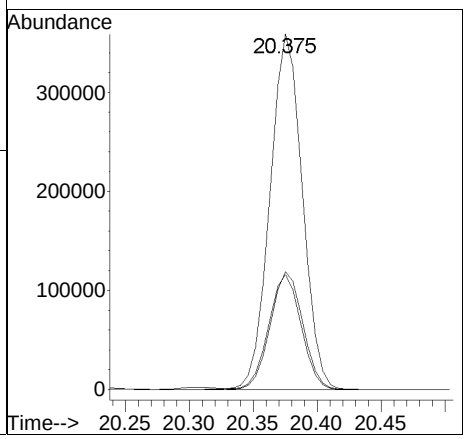




#119
hexachlorobutadiene
Concen: 11.51 ppbV
RT: 20.375 min Scan# 2273
Delta R.T. -0.005 min
Lab File: R237333.D
Acq: 18 Dec 2025 12:05 pm

Tgt Ion:225 Resp: 631896

Ion	Ratio	Lower	Upper
225	100		
260	33.2	26.3	39.5
118	32.3	29.2	43.8



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	133	-0.07
2		chlorodifluoromethane	10.000	8.531	14.7	105	-0.05
3		propylene	10.000	7.532	24.7	97	-0.05
4		propane	10.000	7.956	20.4	98	-0.05
5		dichlorodifluoromethane	10.000	9.242	7.6	114	-0.04
6	C	chloromethane	10.000	8.563	14.4	109	-0.04
7		Freon-114	10.000	9.543	4.6	119	-0.05
8	C	methanol	50.000	33.948	32.1#	76	-0.05
9	C	vinyl chloride	10.000	8.387	16.1	104	-0.05
10	C	1,3-butadiene	10.000	8.383	16.2	111	-0.05
11		butane	10.000	6.180	38.2#	77	-0.05
13	C	bromomethane	10.000	9.412	5.9	118	-0.05
14	C	chloroethane	10.000	7.792	22.1	95	-0.06
15		ethanol	50.000	50.367	-0.7	108	-0.06
16		dichlorofluoromethane	10.000	6.643	33.6#	79	-0.07
17	C	vinyl bromide	10.000	8.094	19.1	106	-0.06
18	C	acrolein	10.000	6.718	32.8#	84	-0.06
19		acetone	50.000	37.815	24.4	98	-0.06
20	C	acetonitrile	10.000	6.088	39.1#	77	-0.06
21		trichlorofluoromethane	10.000	8.594	14.1	106	-0.06
22		isopropyl alcohol	25.000	18.199	27.2	97	-0.06
23	C	acrylonitrile	10.000	7.930	20.7	96	-0.07
24		pentane	10.000	6.790	32.1#	87	-0.07
25		ethyl ether	10.000	6.575	34.3#	75	-0.07
26	C	1,1-dichloroethene	10.000	8.417	15.8	104	-0.07
27		tertiary butyl alcohol	10.000	6.563	34.4#	83	-0.07
28	C	methylene chloride	10.000	10.212	-2.1	128	-0.07
29	C	3-chloropropene	10.000	7.863	21.4	102	-0.07
30	C	carbon disulfide	10.000	9.343	6.6	119	-0.07
31		Freon 113	10.000	8.570	14.3	108	-0.07
32		trans-1,2-dichloroethene	10.000	7.804	22.0	100	-0.08
33	C	1,1-dichloroethane	10.000	7.972	20.3	101	-0.07
34	C	MTBE	10.000	8.457	15.4	109	-0.07
35	C	vinyl acetate	10.000	4.067	59.3#	55	-0.07
36	C	2-butanone	10.000	7.735	22.6	96	-0.07
37		cis-1,2-dichloroethene	10.000	8.150	18.5	101	-0.07
38		Ethyl Acetate	10.000	7.728	22.7	95	-0.08
39	C	chloroform	10.000	10.086	-0.9	124	-0.07
40		Tetrahydrofuran	10.000	8.509	14.9	112	-0.07

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	8.666	13.3	104	-0.07
42	C	1,2-dichloroethane	10.000	8.483	15.2	105	-0.07
43	I	1,4-difluorobenzene	10.000	10.000	0.0	109	-0.07
44	C	hexane	10.000	10.015	-0.2	103	-0.07
45		diisopropyl ether	10.000	9.283	7.2	92	-0.07
46		tert-butyl ethyl ether	10.000	8.416	15.8	82	-0.07
48	C	1,1,1-trichloroethane	10.000	10.422	-4.2	99	-0.07
49		1,1-dichloropropene	10.000	10.640	-6.4	106	-0.07
50	C	benzene	10.000	11.499	-15.0	118	-0.07
52	C	carbon tetrachloride	10.000	12.160	-21.6	122	-0.07
53		cyclohexane	10.000	10.132	-1.3	105	-0.07
54		tert-amyl methyl ether	10.000	9.676	3.2	97	-0.07
55		dibromomethane	10.000	9.872	1.3	98	-0.07
56	C	1,2-dichloropropane	10.000	9.615	3.8	98	-0.07
57		bromodichloromethane	10.000	12.238	-22.4	125	-0.07
58	C	1,4-dioxane	10.000	9.639	3.6	100	-0.07
59	C	trichloroethene	10.000	11.001	-10.0	109	-0.07
60	C	2,2,4-trimethylpentane	10.000	10.011	-0.1	104	-0.07
61		methyl methacrylate	10.000	8.660	13.4	86	-0.06
62		heptane	10.000	10.528	-5.3	112	-0.07
63	C	cis-1,3-dichloropropene	10.000	12.584	-25.8	129	-0.07
64	C	4-methyl-2-pentanone	10.000	10.300	-3.0	107	-0.07
65		trans-1,3-dichloropropene	10.000	14.152	-41.5#	146	-0.07
66	C	1,1,2-trichloroethane	10.000	10.727	-7.3	109	-0.07
67	I	chlorobenzene-D5	10.000	10.000	0.0	107	-0.05
68	C	toluene	10.000	10.279	-2.8	105	-0.07
71		1,3-dichloropropane	10.000	10.139	-1.4	102	-0.06
72		2-hexanone	10.000	10.091	-0.9	98	-0.06
74		dibromochloromethane	10.000	11.580	-15.8	118	-0.06
75	C	1,2-dibromoethane	10.000	11.925	-19.3	125	-0.06
76		butyl acetate	10.000	9.205	7.9	93	-0.05
77		octane	10.000	9.540	4.6	94	-0.05
78	C	tetrachloroethene	10.000	10.779	-7.8	112	-0.06
79		1,1,1,2-tetrachloroethane	10.000	9.876	1.2	97	-0.05
80	C	chlorobenzene	10.000	11.324	-13.2	118	-0.05
81	C	ethylbenzene	10.000	10.454	-4.5	104	-0.05
83	C	m+p-xylene	20.000	21.526	-7.6	107	-0.05

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	11.175	-11.8	114	-0.05
85	C	styrene	10.000	10.794	-7.9	109	-0.05
86	C	1,1,2,2-tetrachloroethane	10.000	12.423	-24.2	127	-0.05
87	C	o-xylene	10.000	10.931	-9.3	108	-0.05
88		1,2,3-trichloropropane	10.000	10.692	-6.9	107	-0.05
89		nonane	10.000	9.949	0.5	99	-0.05
91	C	isopropylbenzene	10.000	9.597	4.0	95	-0.05
92		bromobenzene	10.000	10.601	-6.0	105	-0.04
93		2-chlorotoluene	10.000	9.761	2.4	97	-0.04
94		n-propylbenzene	10.000	9.826	1.7	96	-0.04
95		4-chlorotoluene	10.000	9.399	6.0	92	-0.05
96		4-ethyl toluene	10.000	10.492	-4.9	108	-0.04
97		1,3,5-trimethylbenzene	10.000	11.221	-12.2	115	-0.05
98		tert-butylbenzene	10.000	9.993	0.1	99	-0.04
99		1,2,4-trimethylbenzene	10.000	11.442	-14.4	114	-0.05
100		decane	10.000	9.146	8.5	88	-0.04
101	C	Benzyl Chloride	10.000	8.127	18.7	79	-0.04
102		1,3-dichlorobenzene	10.000	11.334	-13.3	112	-0.04
103	C	1,4-dichlorobenzene	10.000	11.327	-13.3	114	-0.04
104		sec-butylbenzene	10.000	9.359	6.4	92	-0.05
106		p-isopropyltoluene	10.000	9.472	5.3	93	-0.04
107		1,2-dichlorobenzene	10.000	10.154	-1.5	99	-0.04
108		n-butylbenzene	10.000	9.741	2.6	94	-0.05
111	C	1,2-dibromo-3-chloropropane	10.000	9.397	6.0	95	-0.05
112		undecane	10.000	9.398	6.0	86	-0.04
114		dodecane	10.000	9.191	8.1	80	-0.04
115	C	1,2,4-trichlorobenzene	10.000	10.246	-2.5	96	-0.05
116		naphthalene	10.000	8.370	16.3	77	-0.04
117		1,2,3-trichlorobenzene	10.000	8.741	12.6	80	-0.05
119	C	hexachlorobutadiene	10.000	10.741	-7.4	109	-0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 4

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.775	49	356712	10.000	ppbV		-0.07
Standard Area = 341577			Recovery = 104.43%				
43) 1,4-difluorobenzene	10.983	114	849255	10.000	ppbV		-0.07
Standard Area = 849055			Recovery = 100.02%				
67) chlorobenzene-D5	15.758	54	135960	10.000	ppbV		-0.05
Standard Area = 140112			Recovery = 97.04%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	3.844	85	464320	9.242	ppbV		98
6) chloromethane	4.000	50	193058	8.563	ppbV		98
7) Freon-114	4.096	85	539916	9.543	ppbV		94
9) vinyl chloride	4.210	62	249740	8.387	ppbV		98
10) 1,3-butadiene	4.348	54	170679	8.383	ppbV	#	74
13) bromomethane	4.612	94	208645	9.412	ppbV		98
14) chloroethane	4.786	64	116267	7.792	ppbV		99
15) ethanol	4.912	31	1032392	50.367	ppbV		95
17) vinyl bromide	5.150	106	181965	8.094	ppbV		98
19) acetone	5.400	43	1308654	37.815	ppbV		98
21) trichlorofluoromethane	5.593	101	423977	8.594	ppbV		97
22) isopropyl alcohol	5.670	45	714849	18.199	ppbV		97
26) 1,1-dichloroethene	6.270	61	360806	8.417	ppbV		98
27) tertiary butyl alcohol	6.306	59	368331	6.563	ppbV		97
28) methylene chloride	6.408	49	301344	10.212	ppbV		94
29) 3-chloropropene	6.534	41	301699	7.863	ppbV		93
30) carbon disulfide	6.702	76	637425	9.343	ppbV		98
31) Freon 113	6.702	101	454411	8.570	ppbV		93
32) trans-1,2-dichloroethene	7.433	61	317843	7.804	ppbV		97
33) 1,1-dichloroethane	7.650	63	427342	7.972	ppbV		99
34) MTBE	7.717	73	506581	8.457	ppbV		98
36) 2-butanone	8.083	43	422547	7.735	ppbV		99
37) cis-1,2-dichloroethene	8.592	61	334950	8.150	ppbV		98
38) Ethyl Acetate	8.850	61	77304	7.728	ppbV	#	56
39) chloroform	8.925	83	473981	10.086	ppbV		98
40) Tetrahydrofuran	9.350	42	249397	8.509	ppbV		99
42) 1,2-dichloroethane	9.750	62	273967	8.483	ppbV	#	93
44) hexane	8.842	57	408360	10.015	ppbV		94

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	10.042	97	385440	10.422	ppbV	97
50) benzene	10.563	78	815999	11.499	ppbV	99
52) carbon tetrachloride	10.730	117	387405	12.160	ppbV	97
53) cyclohexane	10.877	56	436082	10.132	ppbV	96
56) 1,2-dichloropropane	11.503	63	285175	9.615	ppbV	99
57) bromodichloromethane	11.730	83	456677	12.238	ppbV	98
58) 1,4-dioxane	11.763	88	160706	9.639	ppbV	93
59) trichloroethene	11.777	130	376792	11.001	ppbV	95
60) 2,2,4-trimethylpentane	11.830	57	1318919	10.011	ppbV	100
62) heptane	12.150	43	455201	10.528	ppbV	95
63) cis-1,3-dichloropropene	12.792	75	411901	12.584	ppbV	90
64) 4-methyl-2-pentanone	12.825	43	534175	10.300	ppbV	93
65) trans-1,3-dichloropropene	13.417	75	332673	14.152	ppbV	90
66) 1,1,2-trichloroethane	13.617	97	322210	10.727	ppbV	92
68) toluene	13.950	91	963065	10.279	ppbV	98
72) 2-hexanone	14.250	43	473519	10.091	ppbV	90
74) dibromochloromethane	14.408	129	469513	11.580	ppbV	98
75) 1,2-dibromoethane	14.667	107	477181	11.925	ppbV	97
78) tetrachloroethene	15.142	166	385711	10.779	ppbV	98
80) chlorobenzene	15.800	112	794070	11.324	ppbV	98
81) ethylbenzene	16.158	91	1241385	10.454	ppbV	97
83) m+p-xylene	16.325	91	2030318	21.526	ppbV	99
84) bromoform	16.383	173	351857	11.175	ppbV	99
85) styrene	16.650	104	760415	10.794	ppbV	96
86) 1,1,2,2-tetrachloroethane	16.742	83	775307	12.423	ppbV	98
87) o-xylene	16.742	91	1029123	10.931	ppbV	96
96) 4-ethyl toluene	17.833	105	1199628	10.492	ppbV	99
97) 1,3,5-trimethylbenzene	17.892	105	1127347	11.221	ppbV	99
99) 1,2,4-trimethylbenzene	18.242	105	1140133	11.442	ppbV	96
101) Benzyl Chloride	18.367	91	586339	8.127	ppbV	99
102) 1,3-dichlorobenzene	18.375	146	714051m	11.334	ppbV	
103) 1,4-dichlorobenzene	18.433	146	710841	11.327	ppbV	92
107) 1,2-dichlorobenzene	18.717	146	647945	10.154	ppbV	94
115) 1,2,4-trichlorobenzene	20.192	180	398220	10.246	ppbV	96
116) naphthalene	20.308	128	1113493	8.370	ppbV	100
119) hexachlorobutadiene	20.625	225	361312	10.741	ppbV	95

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

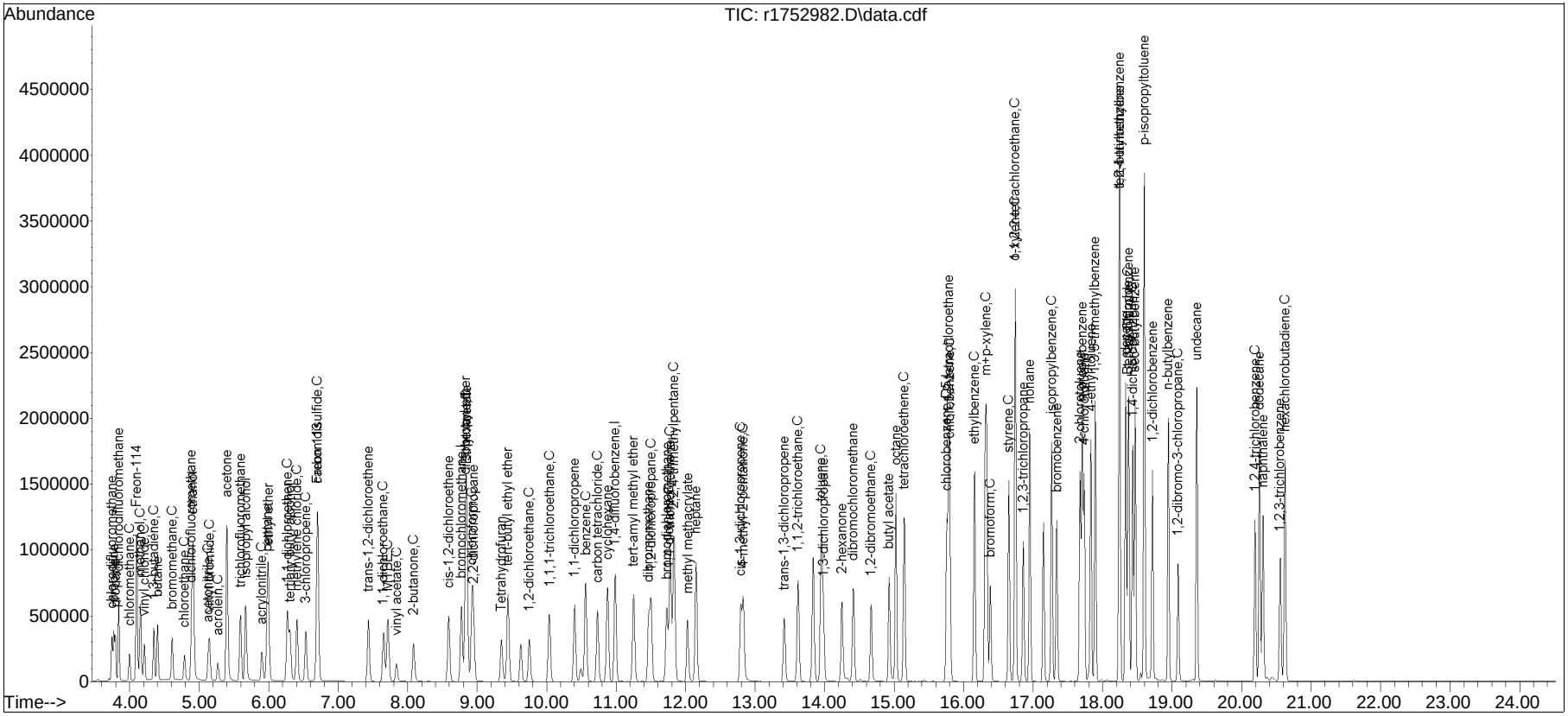
CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : Default-LCS-AP2 - All compounds listed

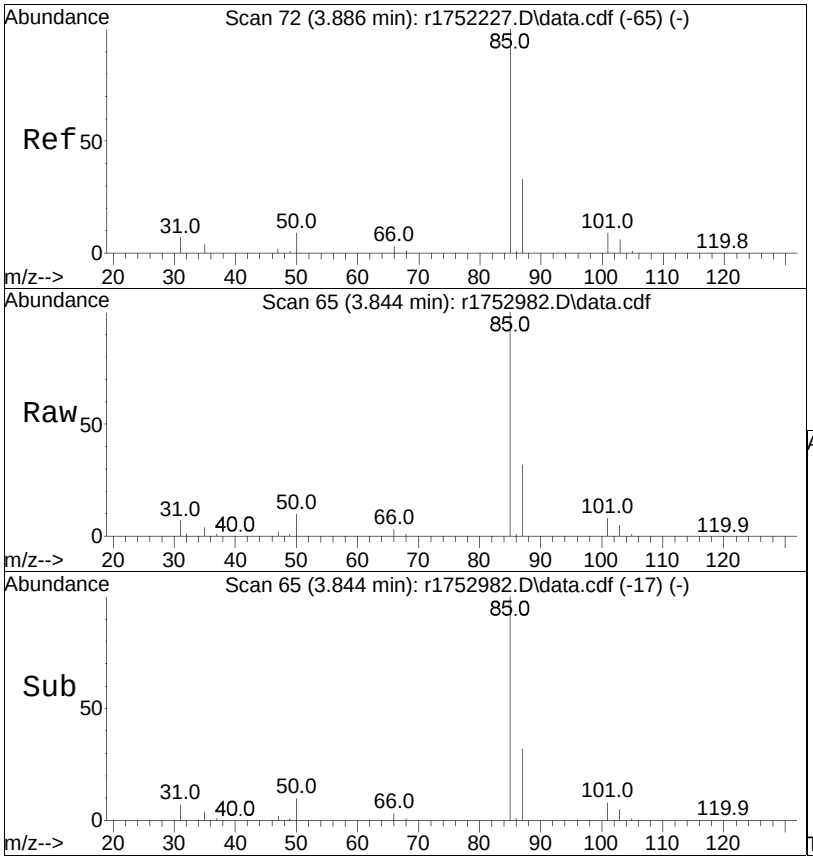
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752982.D
Acq On : 18 Dec 2025 1:31 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-3,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:18:42 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

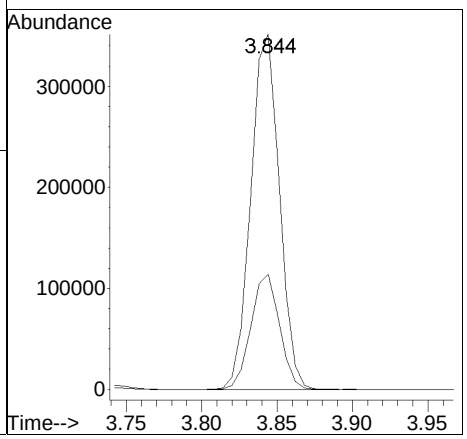


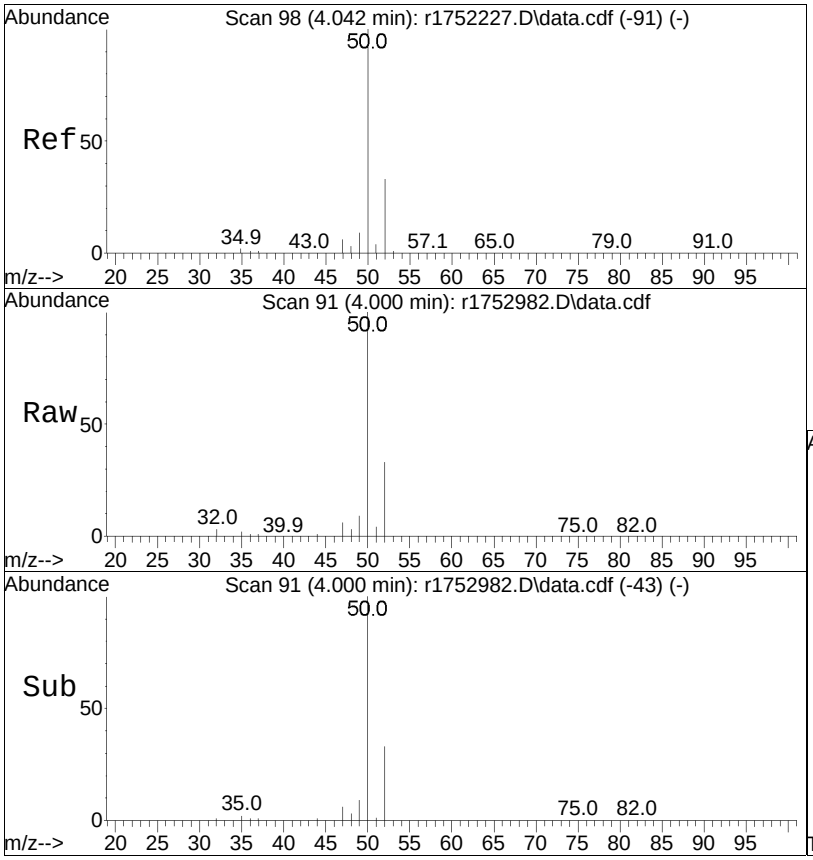


#5
dichlorodifluoromethane
Concen: 9.24 ppbV
RT: 3.844 min Scan# 65
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 85 Resp: 464320

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.7	40.1

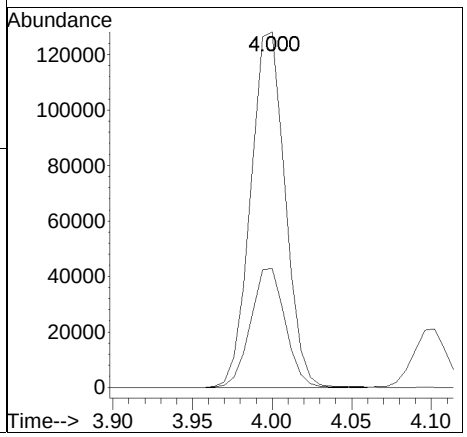


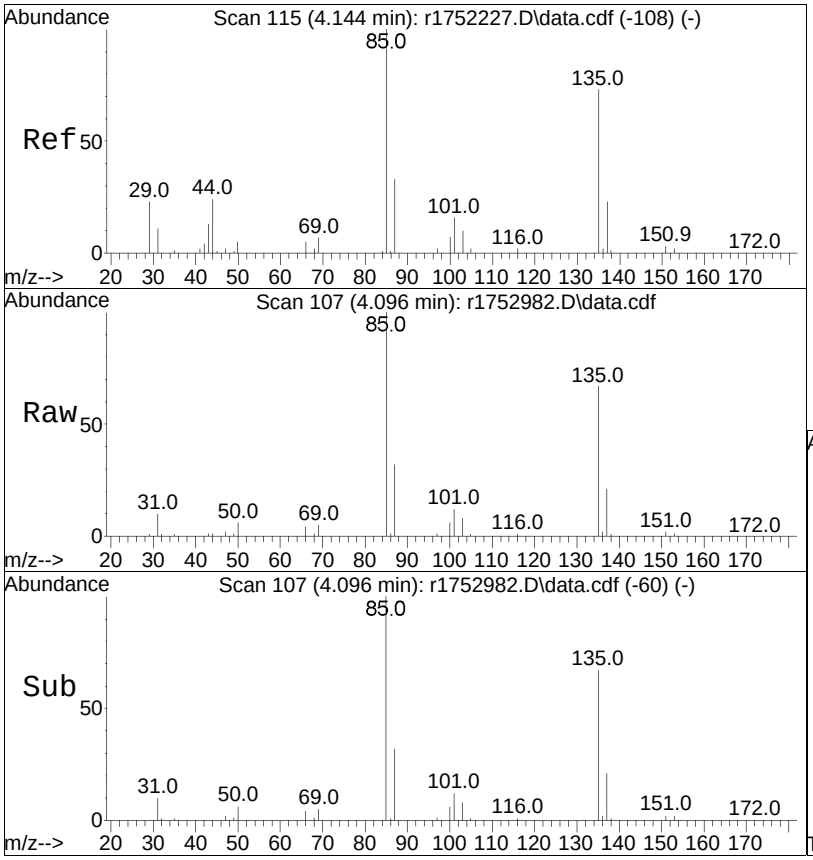


#6
chloromethane
Concen: 8.56 ppbV
RT: 4.000 min Scan# 91
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 50 Resp: 193058

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.1	39.1

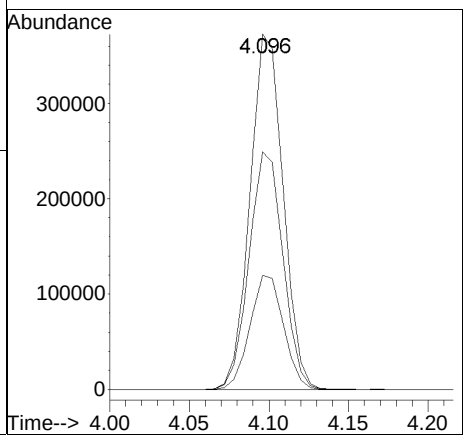


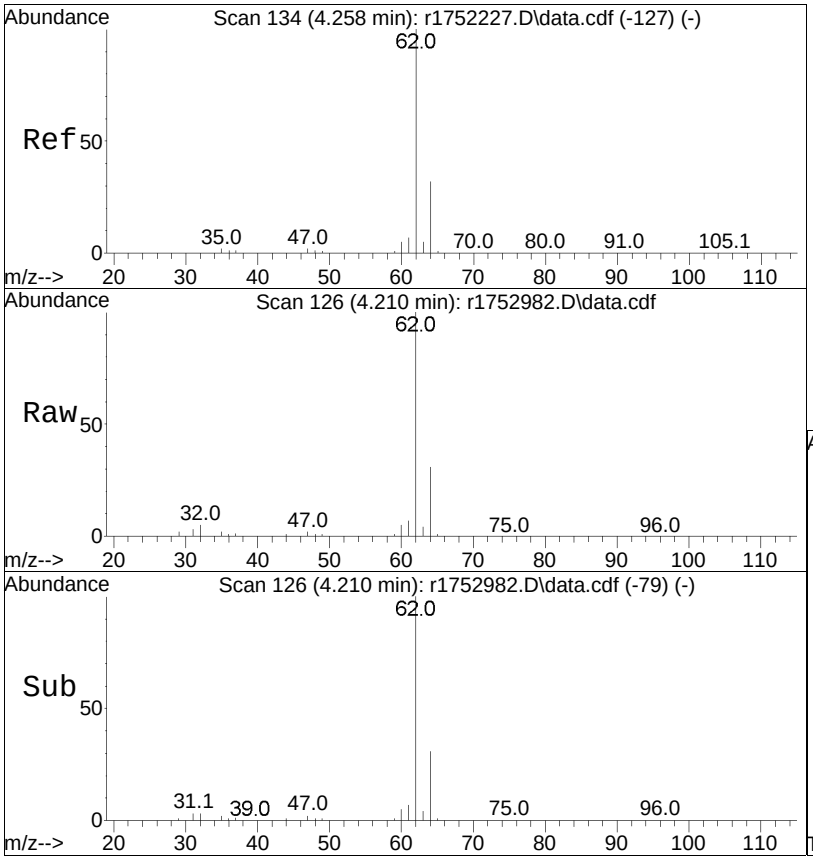


#7
Freon-114
Concen: 9.54 ppbV
RT: 4.096 min Scan# 107
Delta R.T. -0.048 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 85 Resp: 539916

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.1	39.1
135	66.8	58.7	88.1

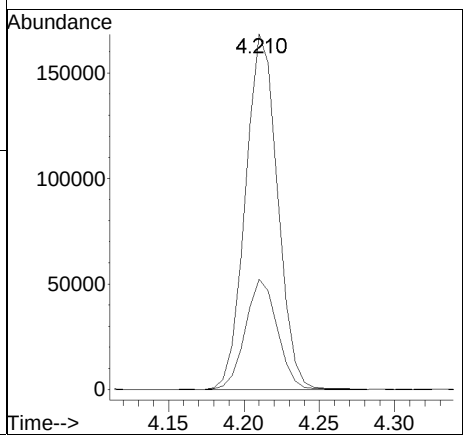


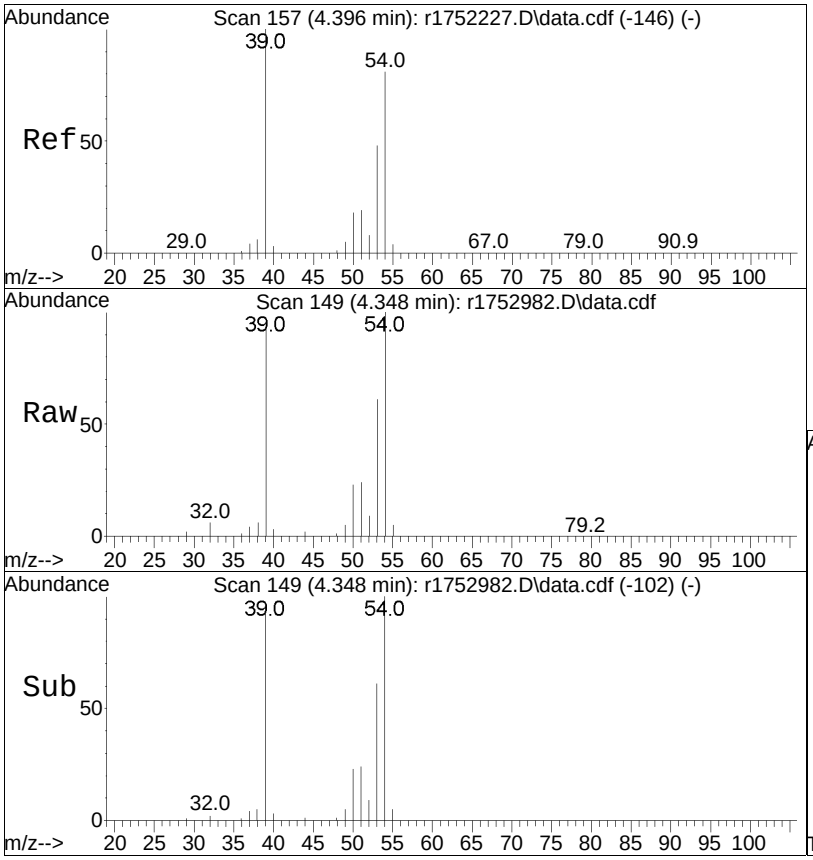


#9
vinyl chloride
Concen: 8.39 ppbV
RT: 4.210 min Scan# 126
Delta R.T. -0.048 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 62 Resp: 249740

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.8	38.8

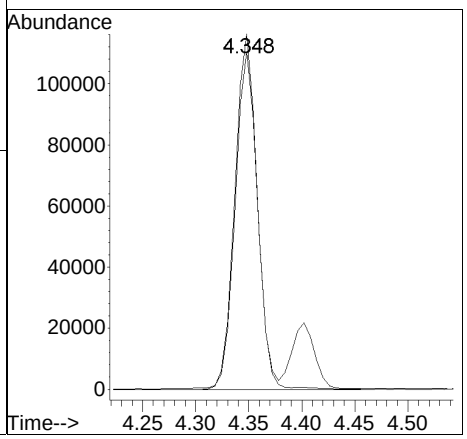


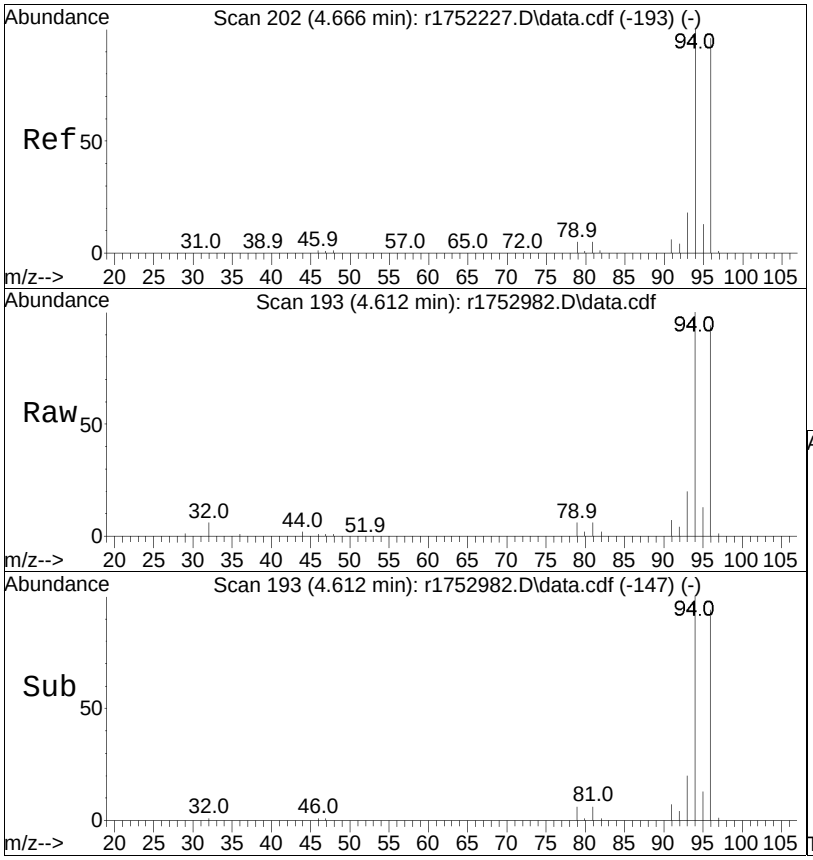


#10
1,3-butadiene
Concen: 8.38 ppbV
RT: 4.348 min Scan# 149
Delta R.T. -0.048 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 54 Resp: 170679

Ion	Ratio	Lower	Upper
54	100		
39	95.1	99.8	149.8#

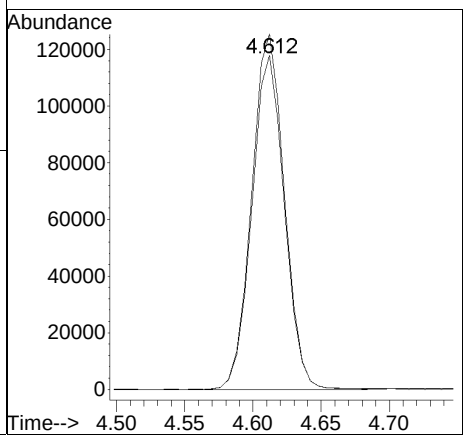


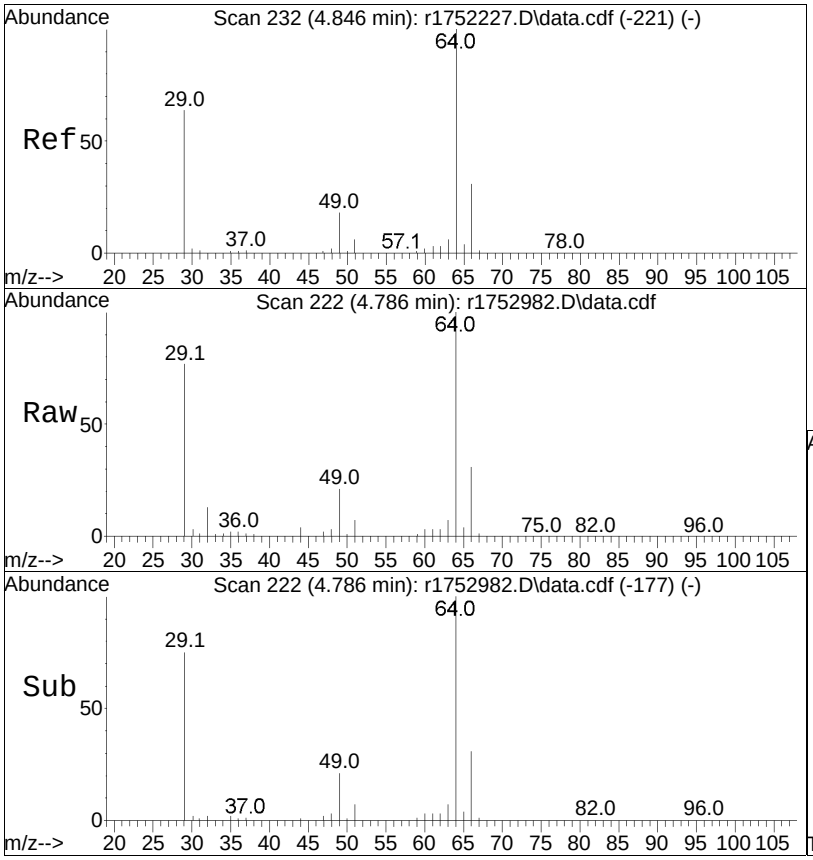


#13
bromomethane
Concen: 9.41 ppbV
RT: 4.612 min Scan# 193
Delta R.T. -0.054 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 94 Resp: 208645

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.6	115.0

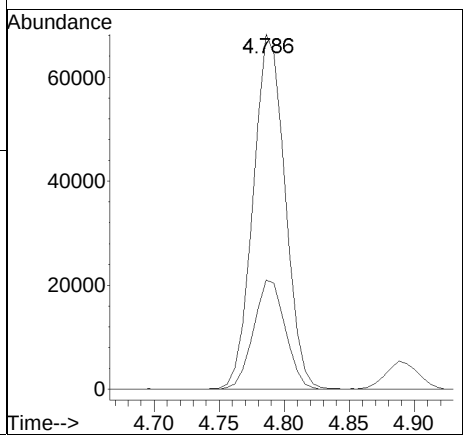


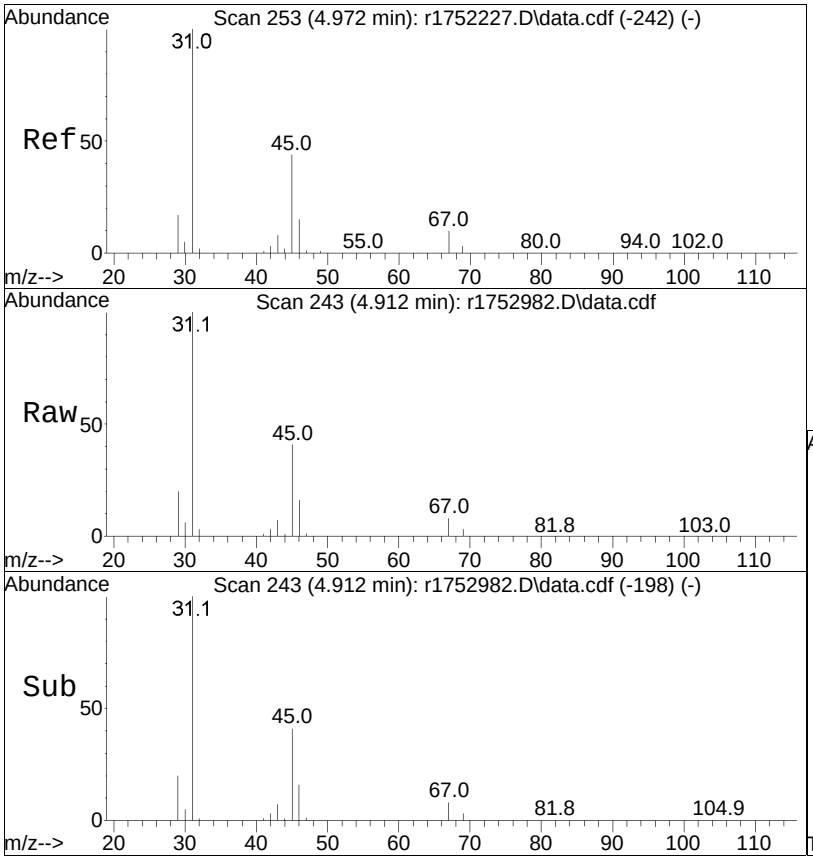


#14
chloroethane
Concen: 7.79 ppbV
RT: 4.786 min Scan# 222
Delta R.T. -0.060 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 64 Resp: 116267

Ion	Ratio	Lower	Upper
64	100		
66	30.8	25.0	37.6

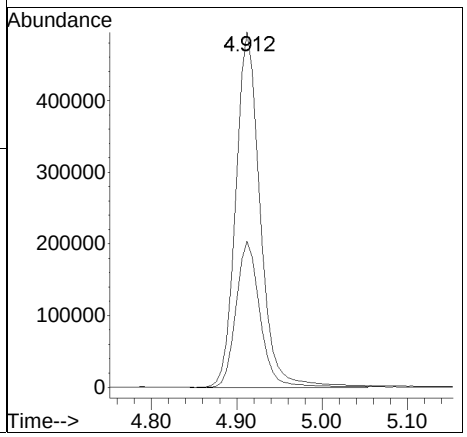


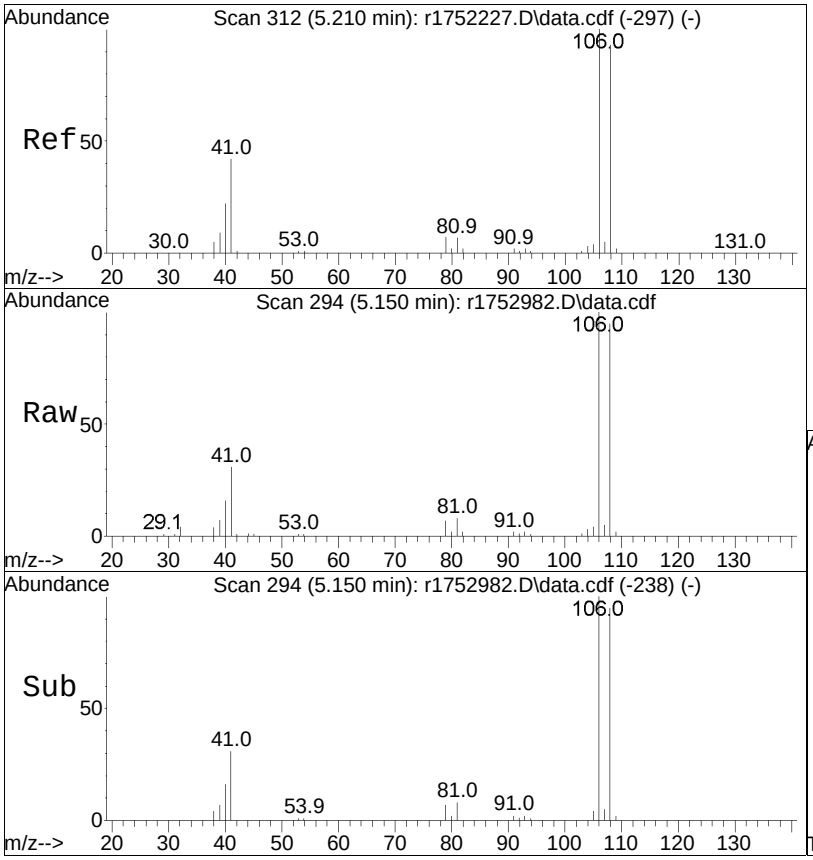


#15
ethanol
Concen: 50.37 ppbV
RT: 4.912 min Scan# 243
Delta R.T. -0.060 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 31 Resp: 1032392

Ion	Ratio	Lower	Upper
31	100		
45	41.1	35.3	52.9

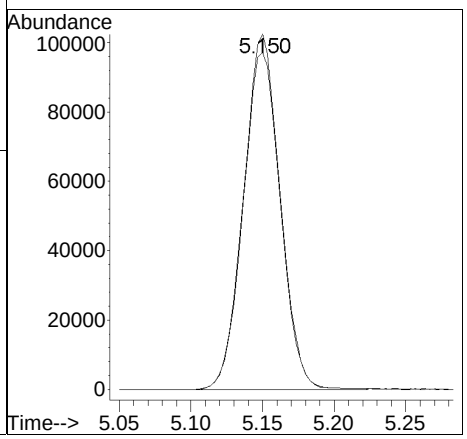


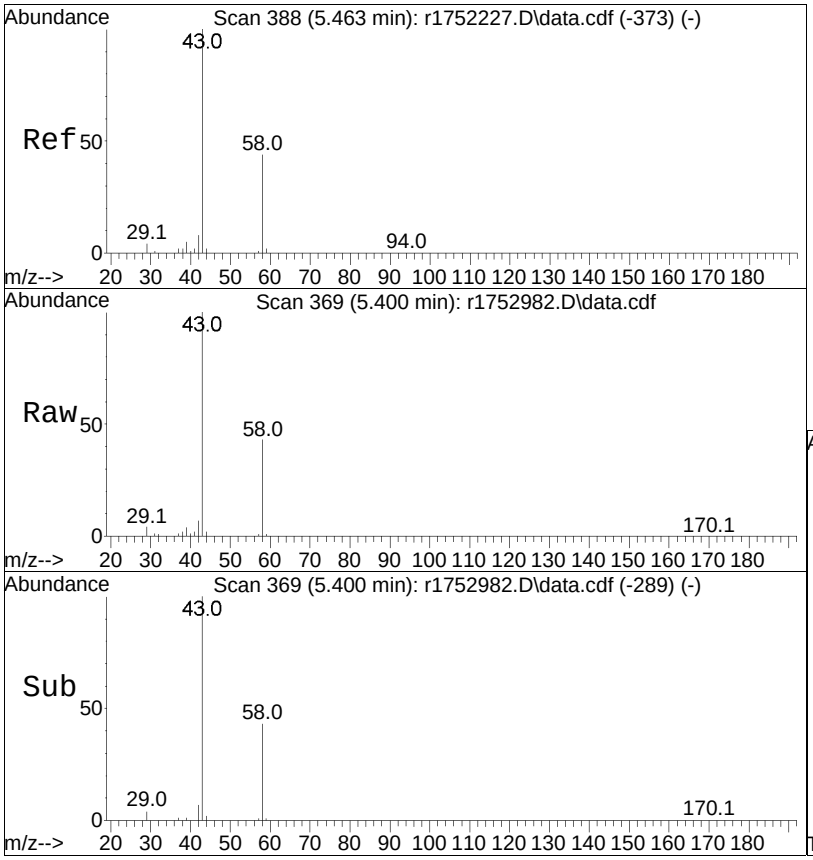


#17
vinyl bromide
Concen: 8.09 ppbV
RT: 5.150 min Scan# 294
Delta R.T. -0.060 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:106 Resp: 181965

Ion	Ratio	Lower	Upper
106	100		
108	94.8	74.1	111.1

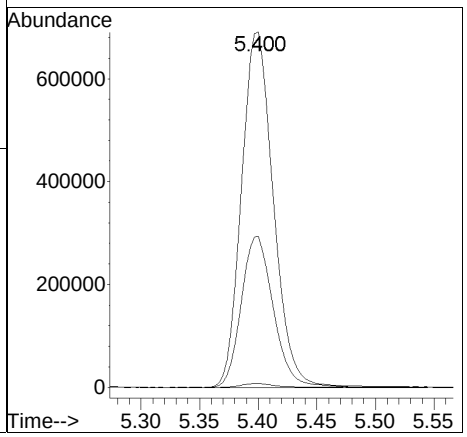


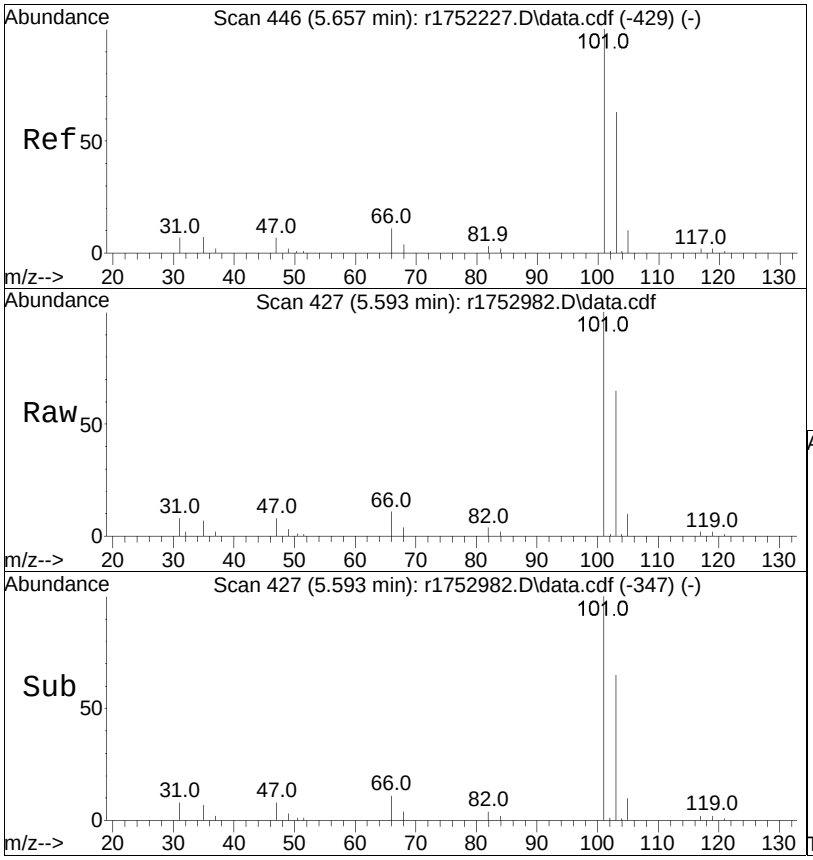


#19
acetone
Concen: 37.82 ppbV
RT: 5.400 min Scan# 369
Delta R.T. -0.063 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 43 Resp: 1308654

Ion	Ratio	Lower	Upper
43	100		
58	42.5	35.1	52.7
57	1.1	0.9	1.3

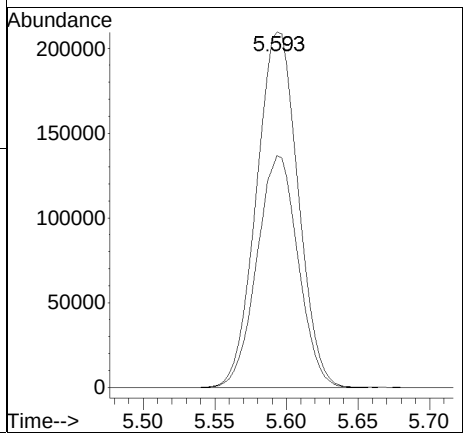


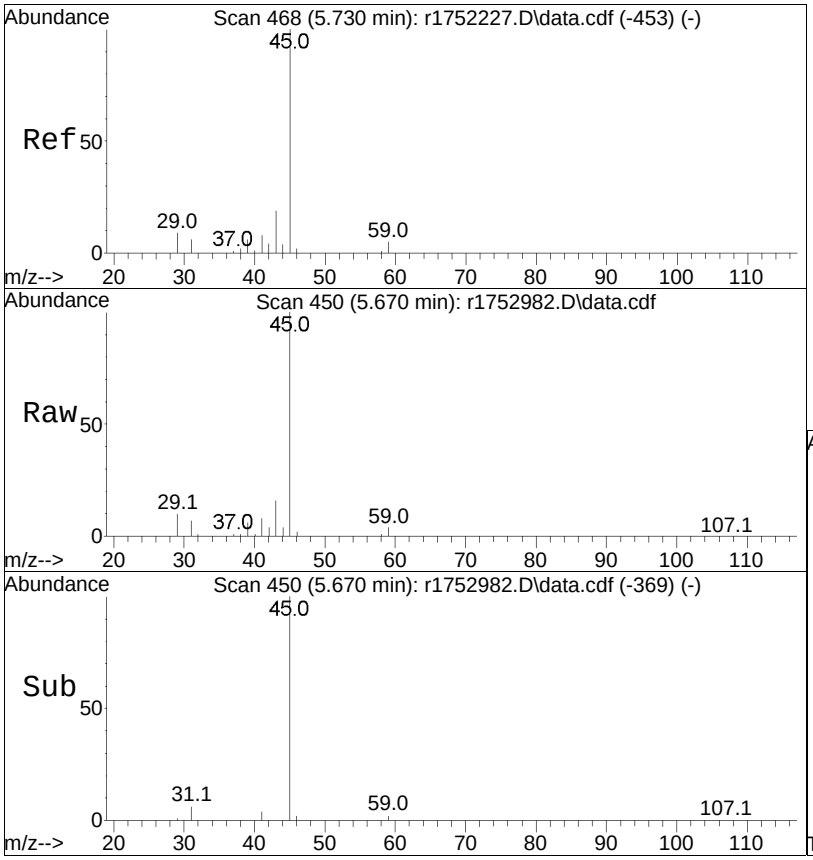


#21
trichlorofluoromethane
Concen: 8.59 ppbV
RT: 5.593 min Scan# 427
Delta R.T. -0.063 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:101 Resp: 423977

Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.2	75.2

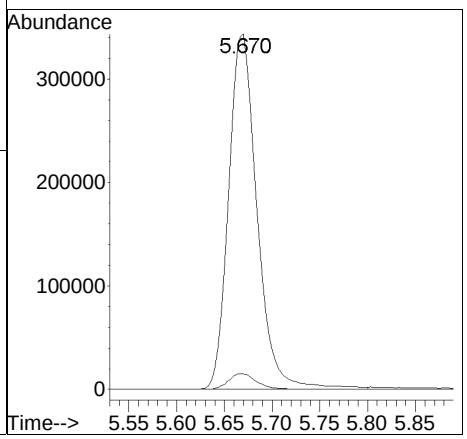


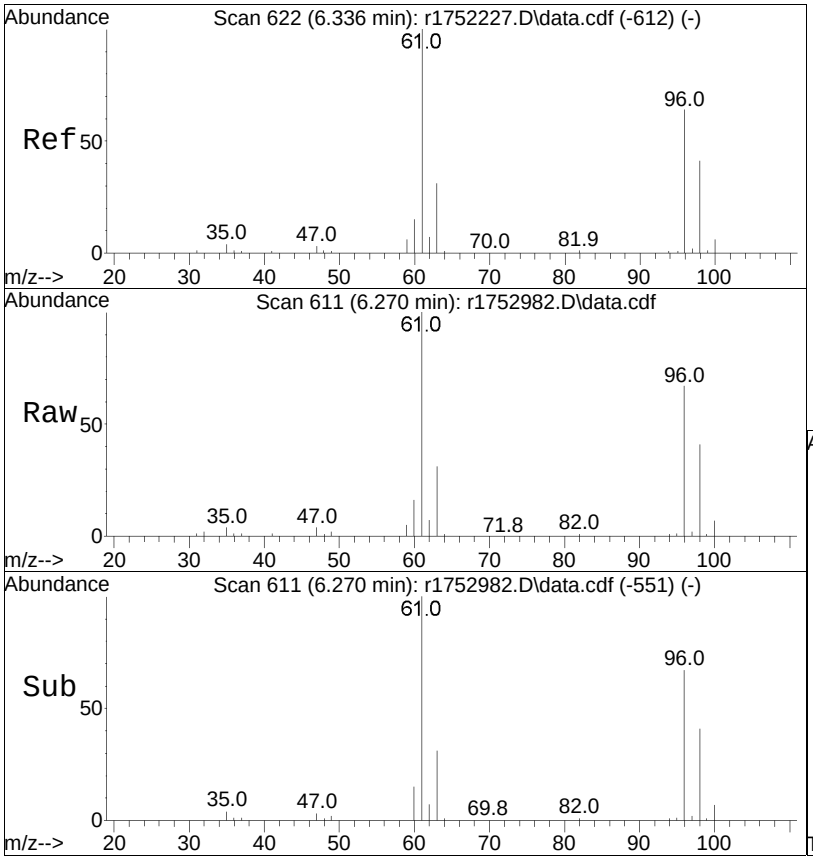


#22
isopropyl alcohol
Concen: 18.20 ppbV
RT: 5.670 min Scan# 450
Delta R.T. -0.060 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 45 Resp: 714849

Ion	Ratio	Lower	Upper
45	100		
59	4.3	4.2	6.2

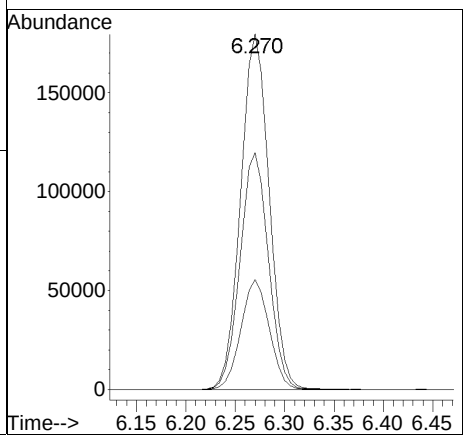


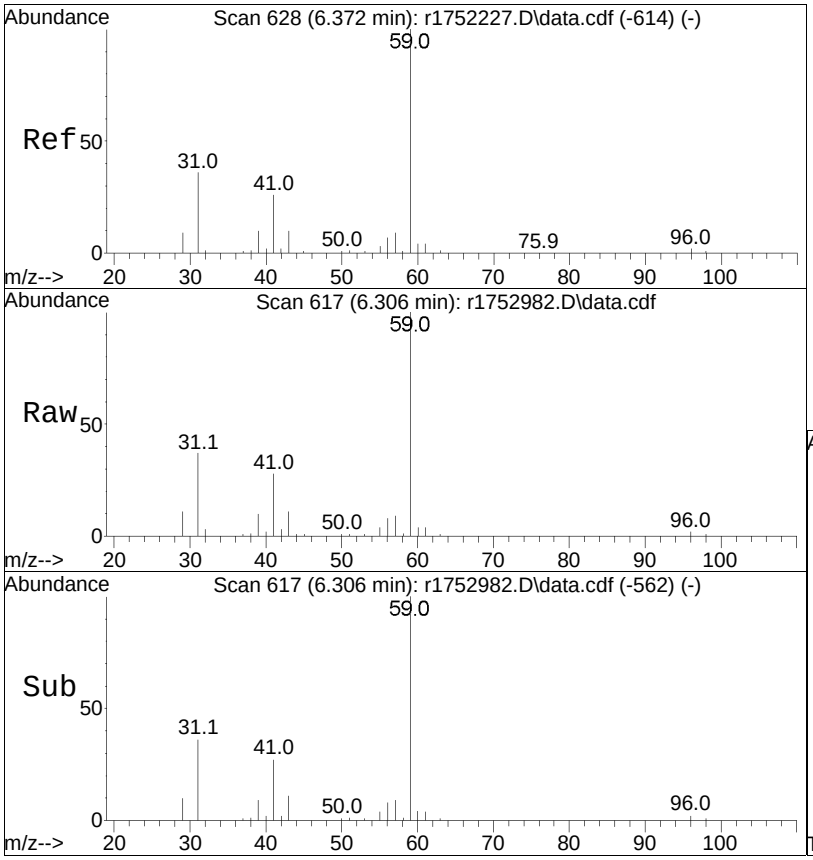


#26
1,1-dichloroethene
Concen: 8.42 ppbV
RT: 6.270 min Scan# 611
Delta R.T. -0.066 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 61 Resp: 360806

Ion	Ratio	Lower	Upper
61	100		
96	66.6	51.4	77.2
63	31.0	24.5	36.7

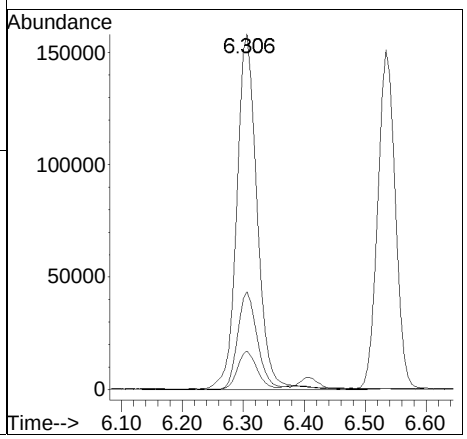


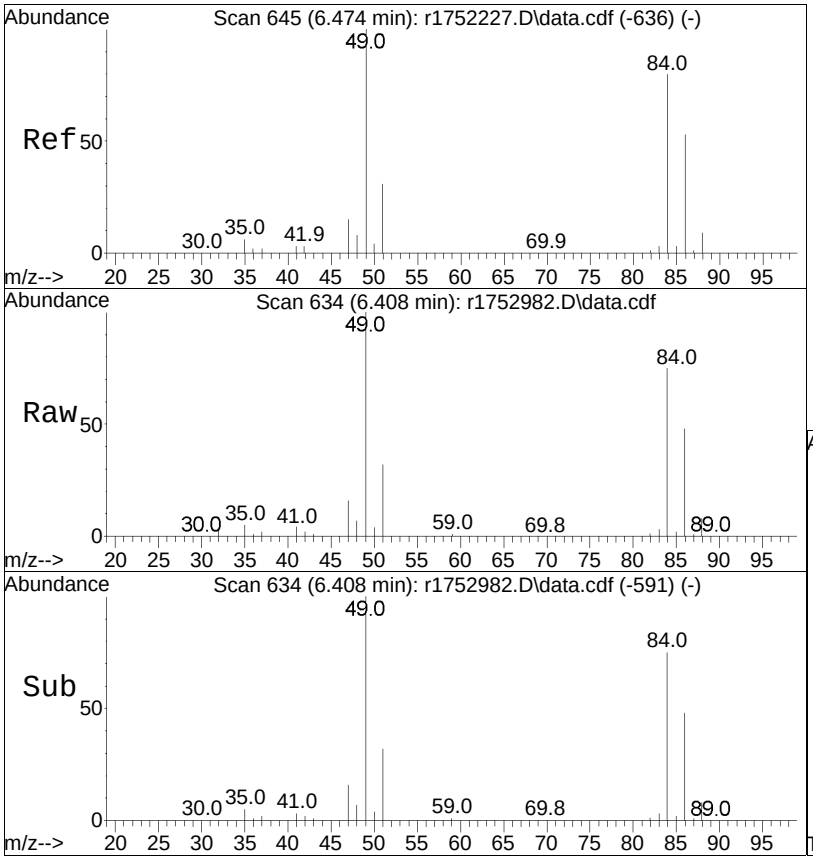


#27
tertiary butyl alcohol
Concen: 6.56 ppbV
RT: 6.306 min Scan# 617
Delta R.T. -0.066 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 59 Resp: 368331

Ion	Ratio	Lower	Upper
59	100		
41	27.5	20.9	31.3
43	10.9	7.9	11.9

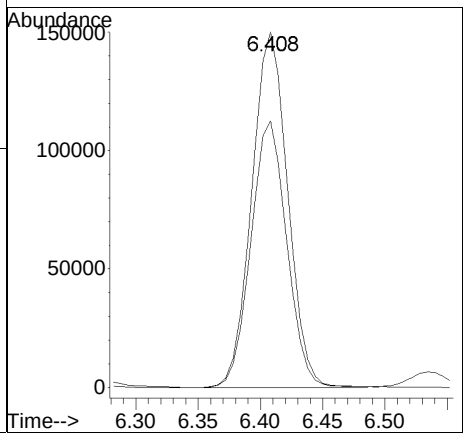


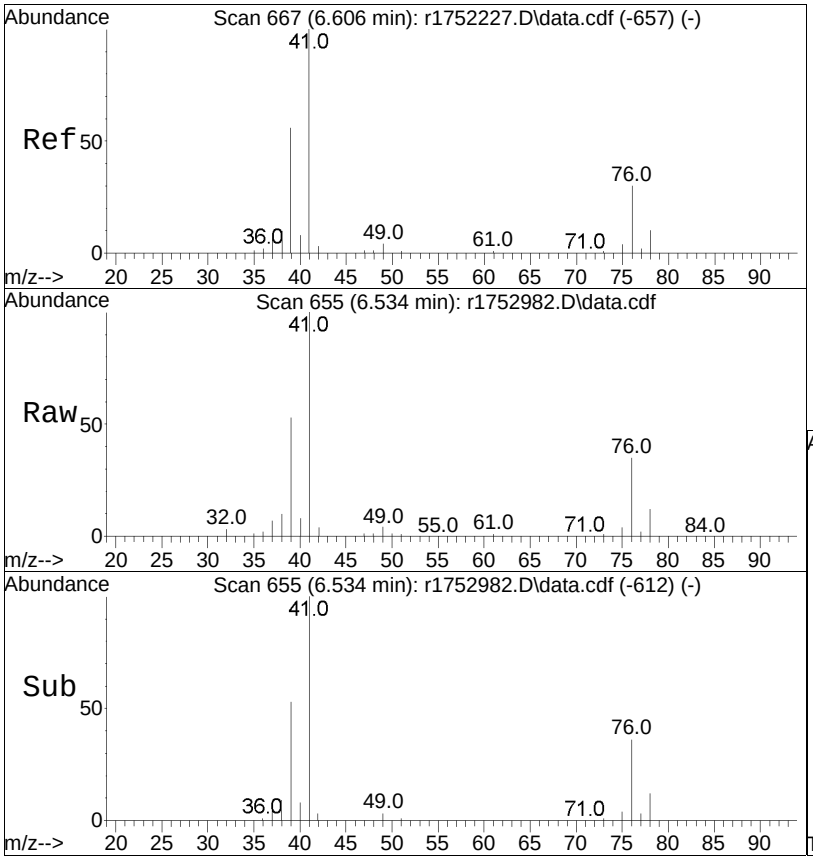


#28
methylene chloride
Concen: 10.21 ppbV
RT: 6.408 min Scan# 634
Delta R.T. -0.066 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 49 Resp: 301344

Ion	Ratio	Lower	Upper
49	100		
84	75.0	64.2	96.2

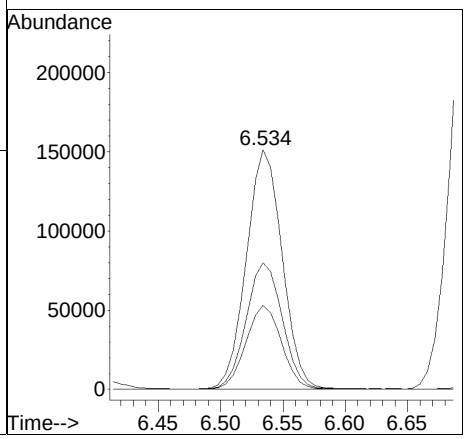


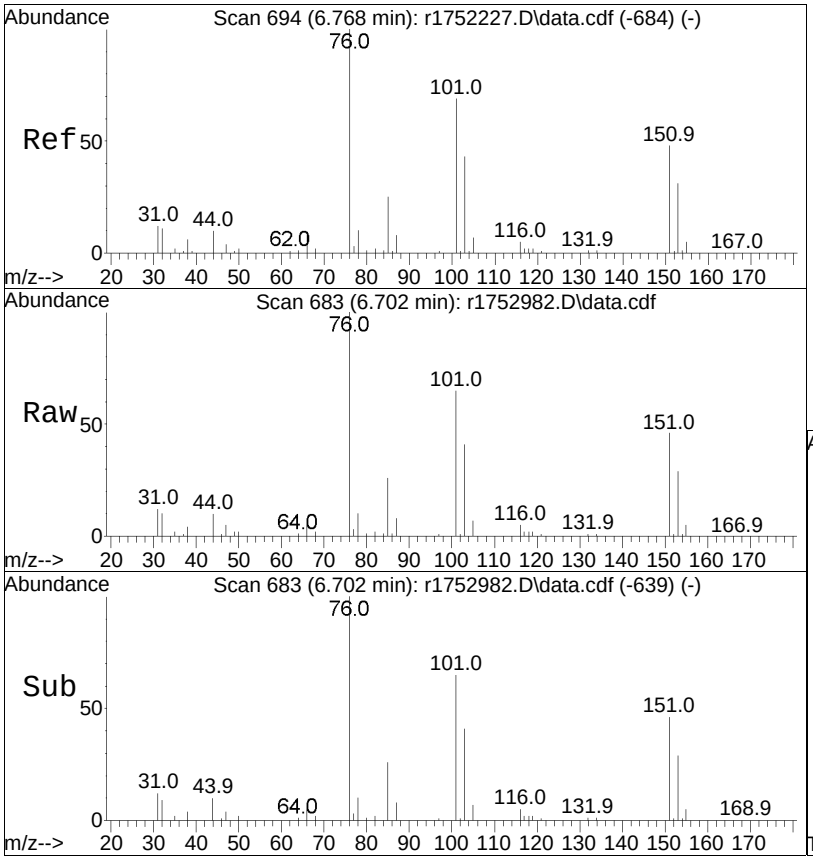


#29
3-chloropropene
Concen: 7.86 ppbV
RT: 6.534 min Scan# 655
Delta R.T. -0.072 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 41 Resp: 301699

Ion	Ratio	Lower	Upper
41	100		
39	52.8	45.2	67.8
76	35.1	23.9	35.9

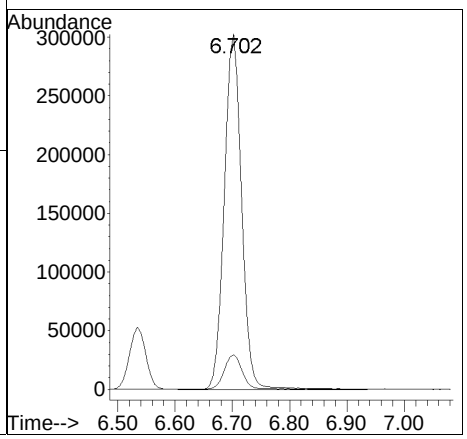


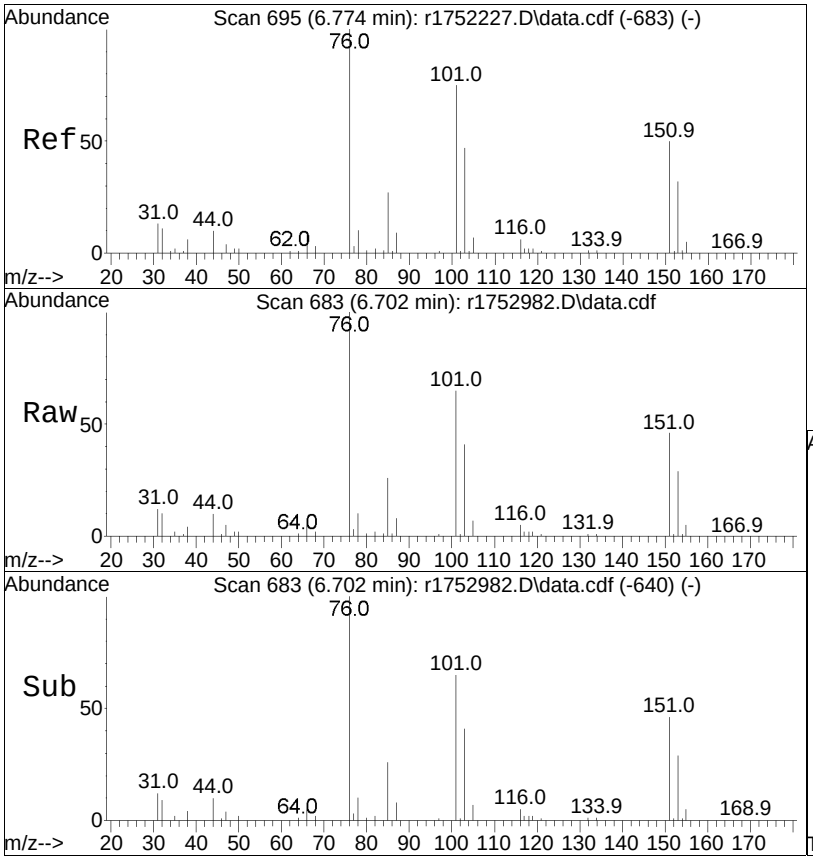


#30
carbon disulfide
Concen: 9.34 ppbV
RT: 6.702 min Scan# 683
Delta R.T. -0.066 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 76 Resp: 637425

Ion	Ratio	Lower	Upper
76	100		
44	9.7	8.3	12.5

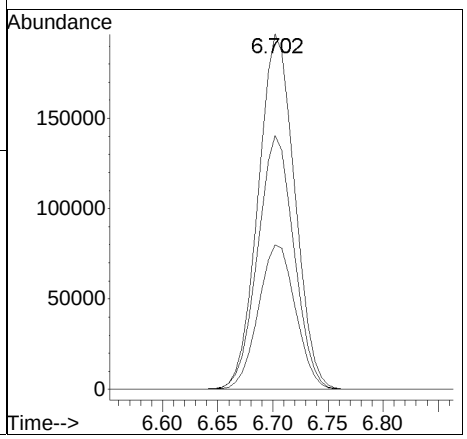


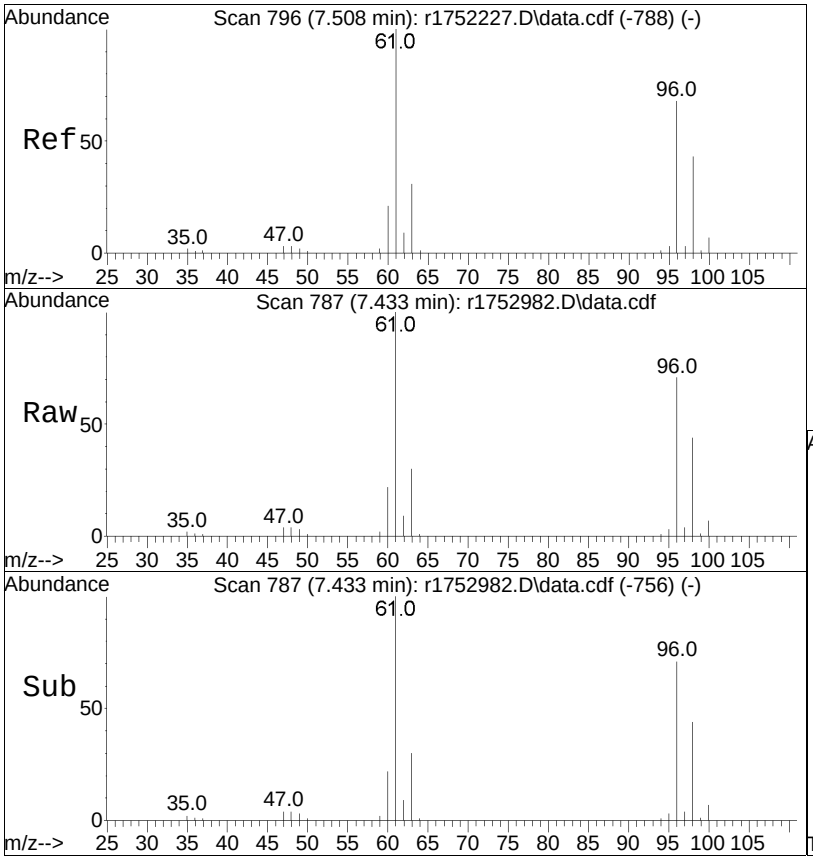


#31
Freon 113
Concen: 8.57 ppbV
RT: 6.702 min Scan# 683
Delta R.T. -0.072 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:101 Resp: 454411

Ion	Ratio	Lower	Upper
101	100		
85	40.7	28.9	43.3
151	71.5	53.3	79.9

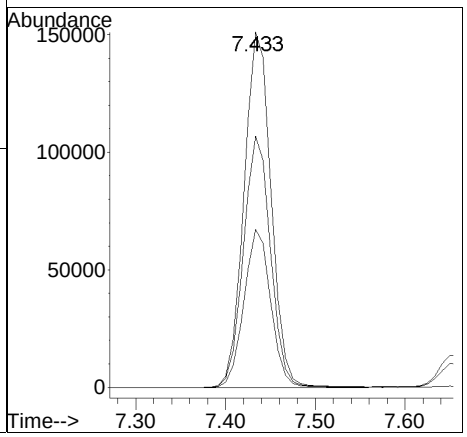


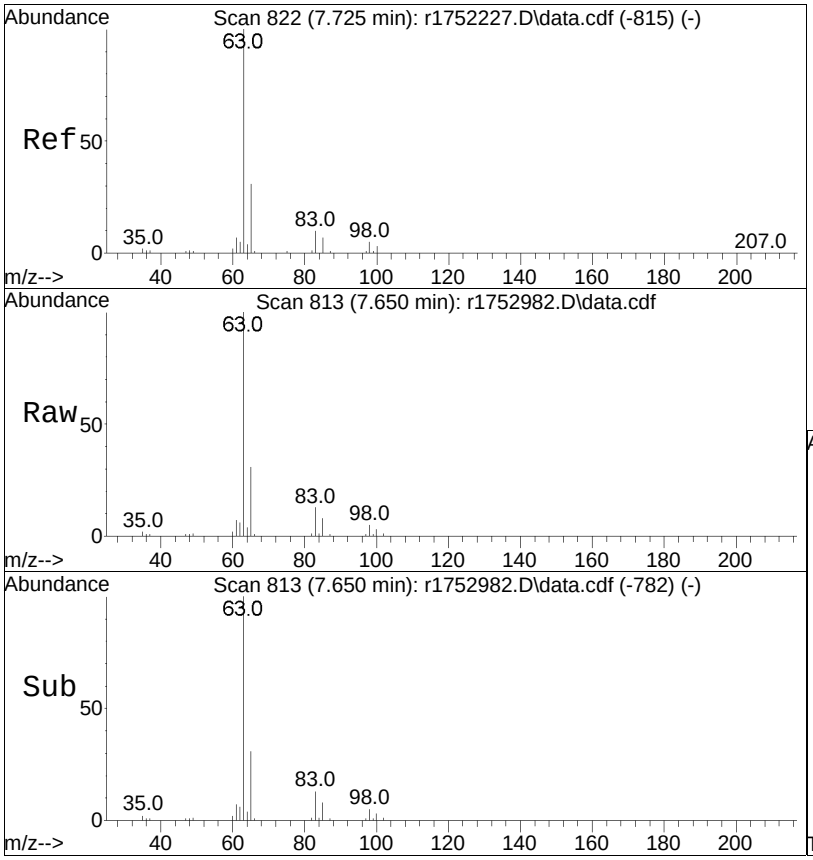


#32
trans-1,2-dichloroethene
Concen: 7.80 ppbV
RT: 7.433 min Scan# 787
Delta R.T. -0.075 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 61 Resp: 317843

Ion	Ratio	Lower	Upper
61	100		
96	70.7	54.7	82.1
98	44.5	34.2	51.4

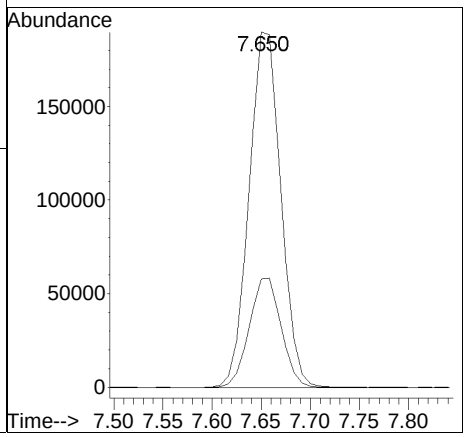


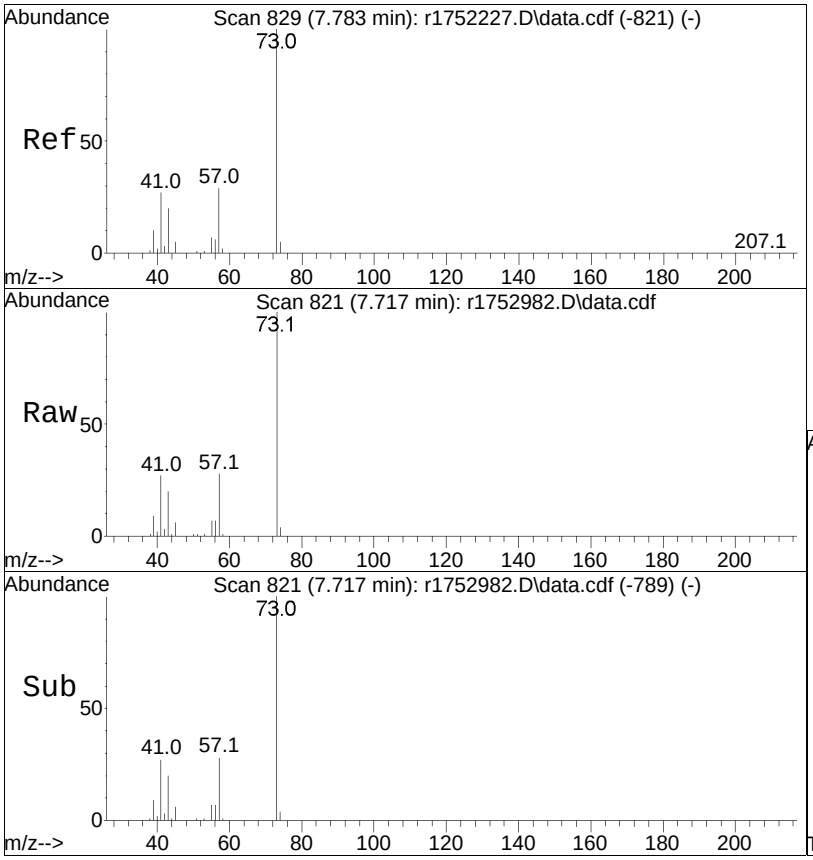


#33
1,1-dichloroethane
Concen: 7.97 ppbV
RT: 7.650 min Scan# 813
Delta R.T. -0.075 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 63 Resp: 427342

Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.7	37.1

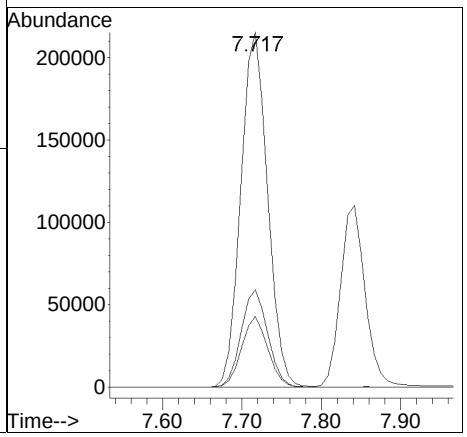


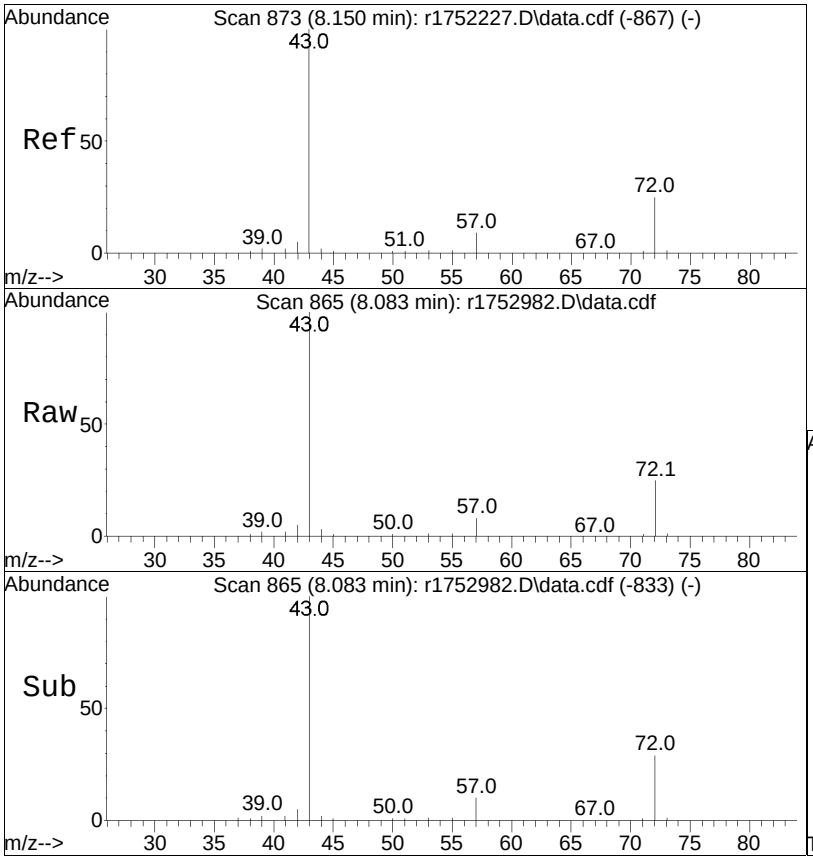


#34
MTBE
Concen: 8.46 ppbV
RT: 7.717 min Scan# 821
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 73 Resp: 506581

Ion	Ratio	Lower	Upper
73	100		
57	27.5	23.2	34.8
43	20.0	16.1	24.1

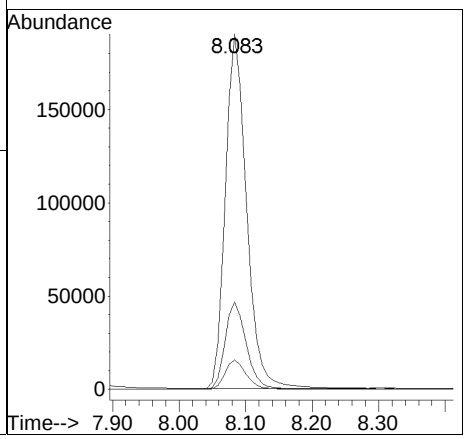


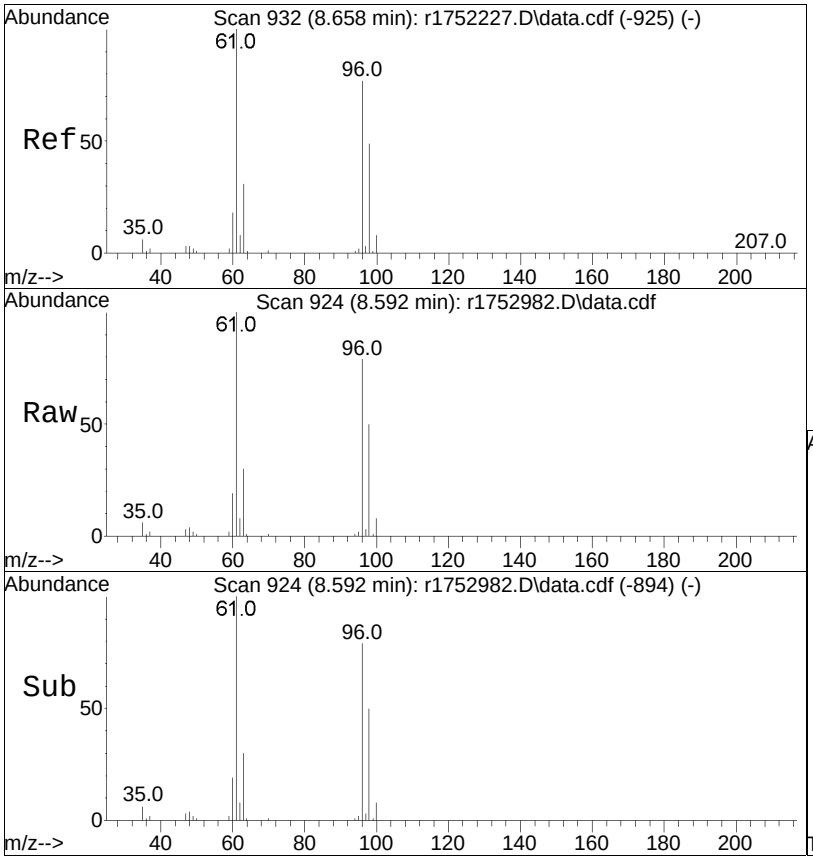


#36
2-butanone
Concen: 7.73 ppbV
RT: 8.083 min Scan# 865
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 43 Resp: 422547

Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.9	29.9
57	8.3	7.2	10.8

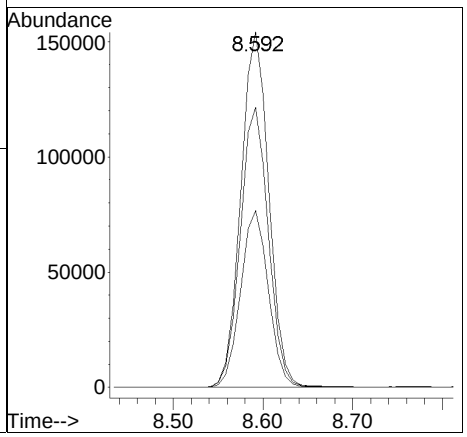


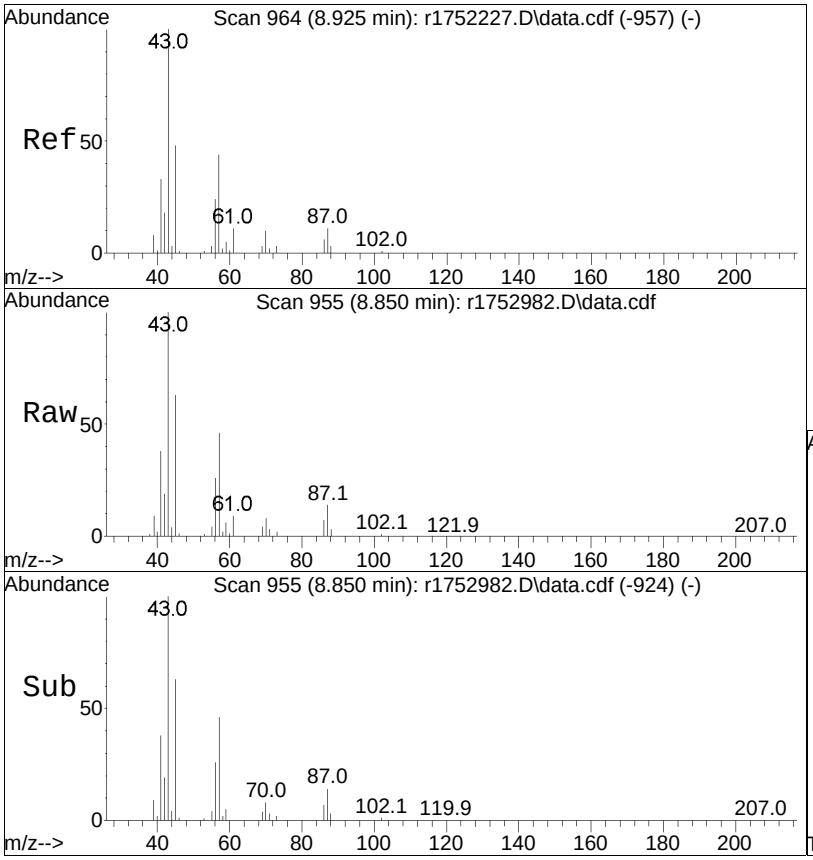


#37
cis-1,2-dichloroethene
Concen: 8.15 ppbV
RT: 8.592 min Scan# 924
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 61 Resp: 334950

Ion	Ratio	Lower	Upper
61	100		
96	78.8	61.4	92.2
98	49.8	39.4	59.0

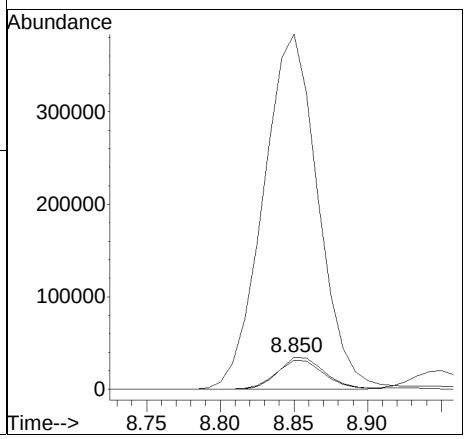


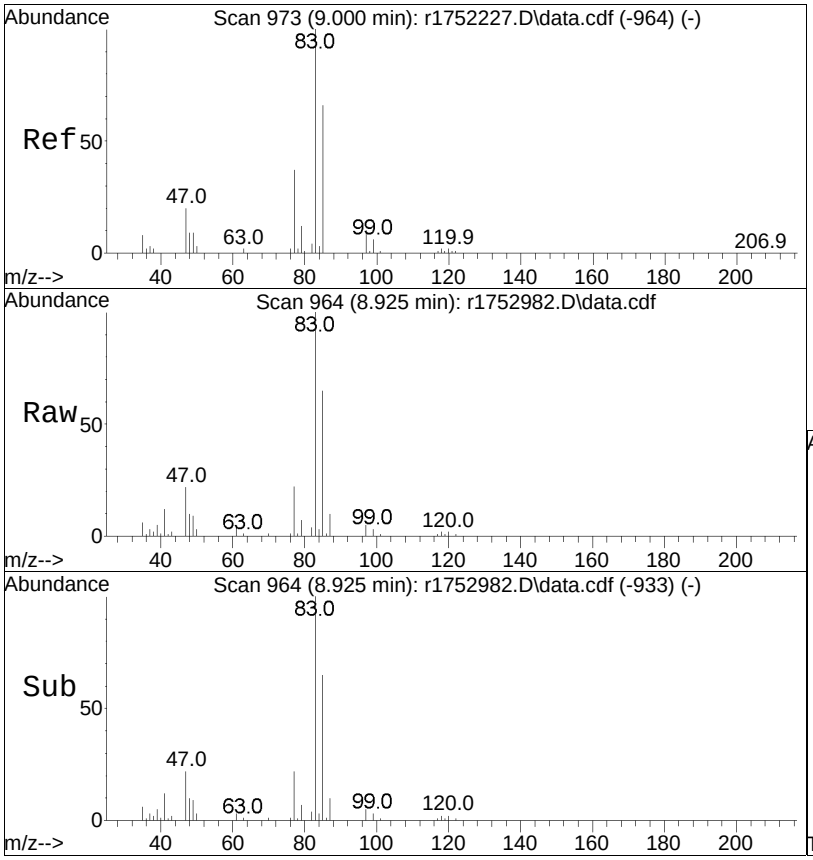


#38
Ethyl Acetate
Concen: 7.73 ppbV
RT: 8.850 min Scan# 955
Delta R.T. -0.075 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 61 Resp: 77304

Ion	Ratio	Lower	Upper
61	100		
70	90.8	68.4	102.6
43	1105.7	727.4	1091.2#

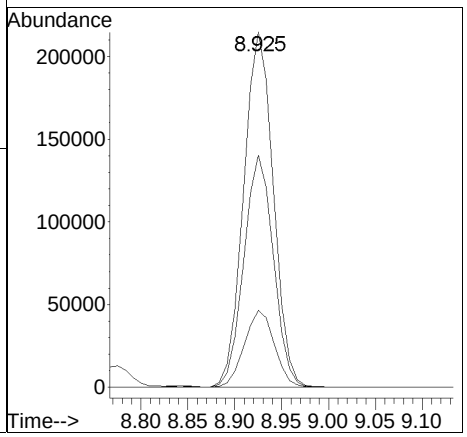


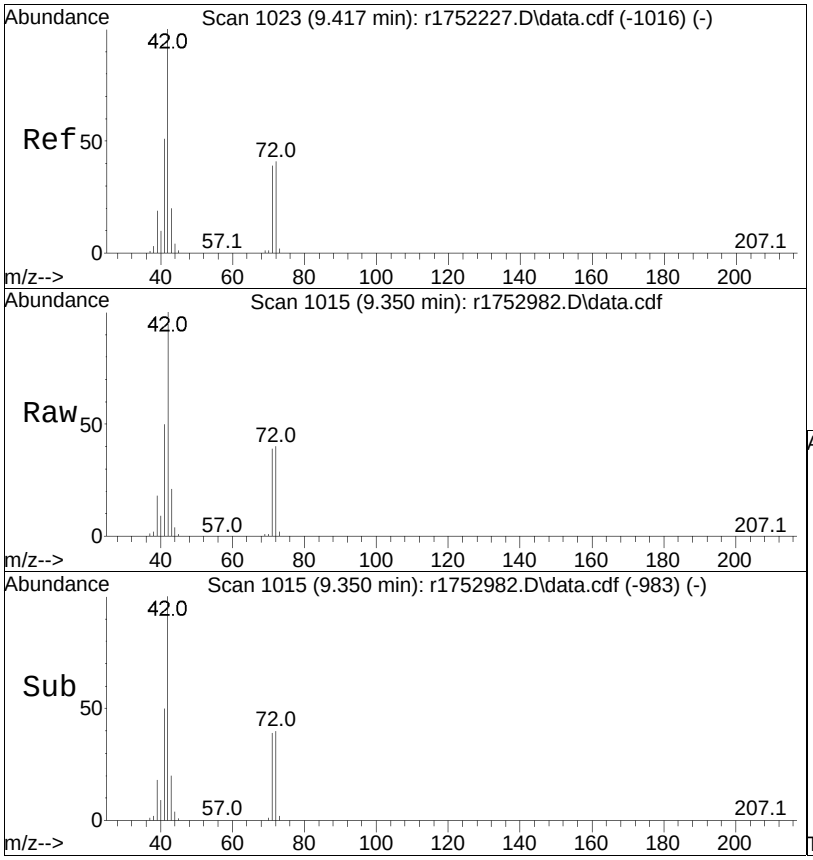


#39
chloroform
Concen: 10.09 ppbV
RT: 8.925 min Scan# 964
Delta R.T. -0.075 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 83 Resp: 473981

Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.1	79.7
47	21.6	16.3	24.5

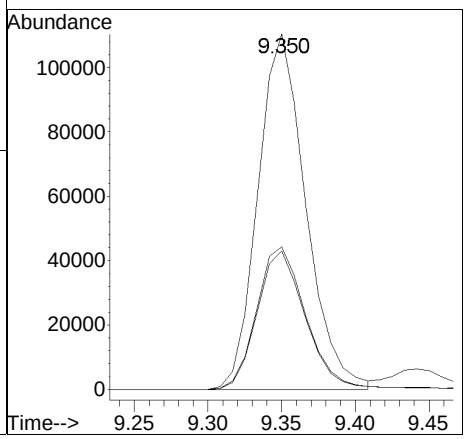


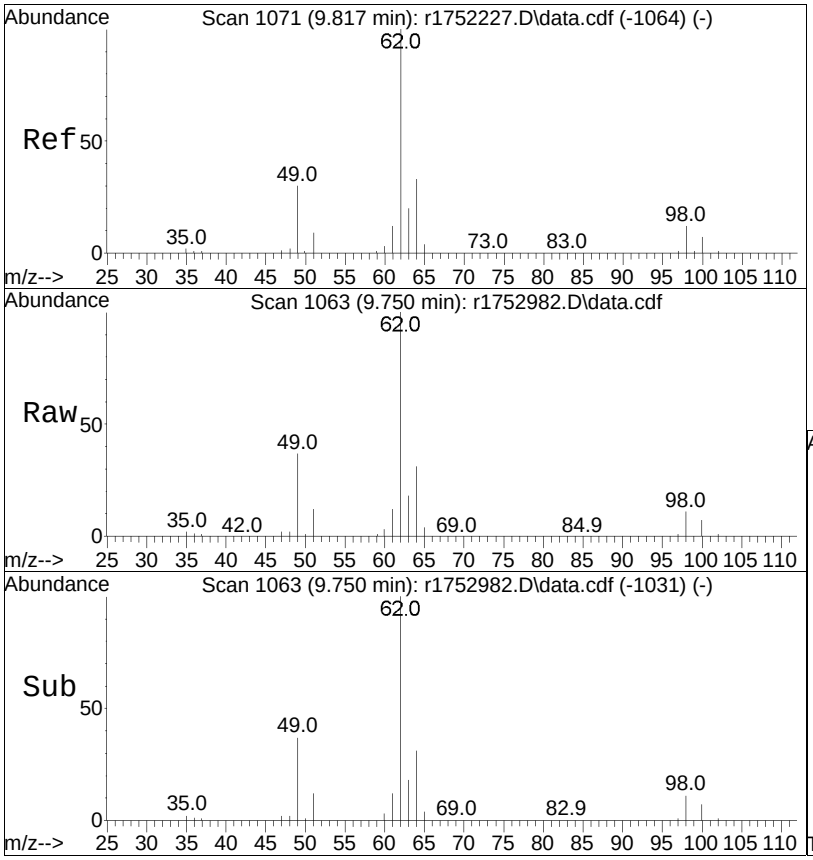


#40
Tetrahydrofuran
Concen: 8.51 ppbV
RT: 9.350 min Scan# 1015
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 42 Resp: 249397

Ion	Ratio	Lower	Upper
42	100		
71	39.0	30.8	46.2
72	40.1	32.9	49.3

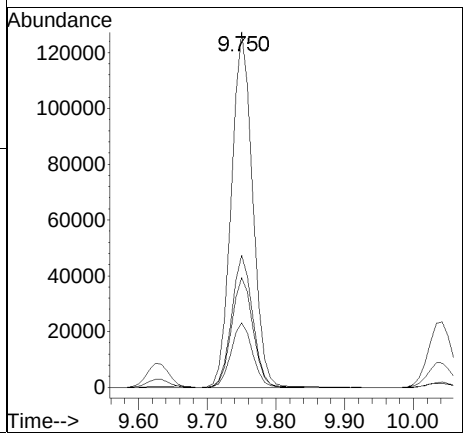


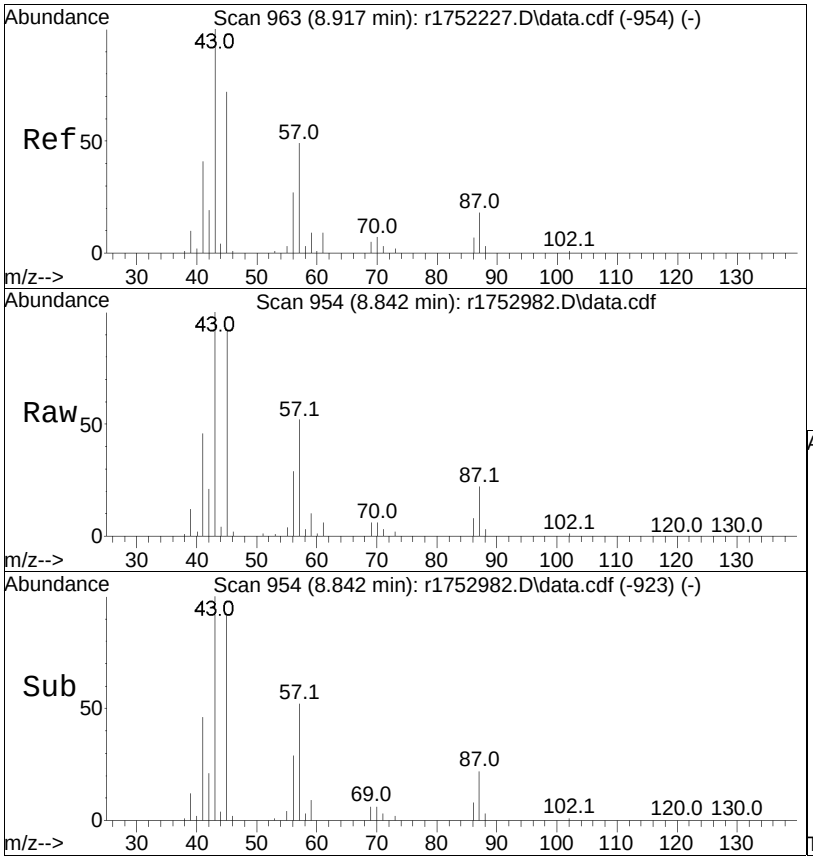


#42
1,2-dichloroethane
Concen: 8.48 ppbV
RT: 9.750 min Scan# 1063
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 62 Resp: 273967

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.1	39.1
49	37.2	24.0	36.0#
63	18.2	15.8	23.8

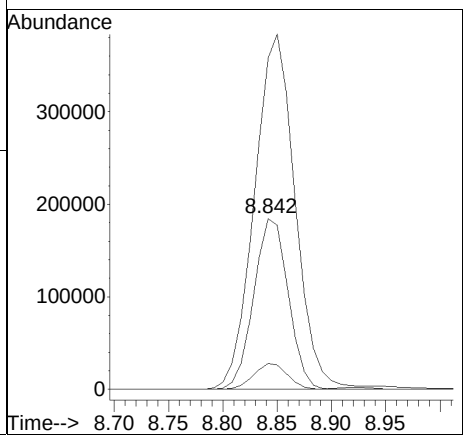


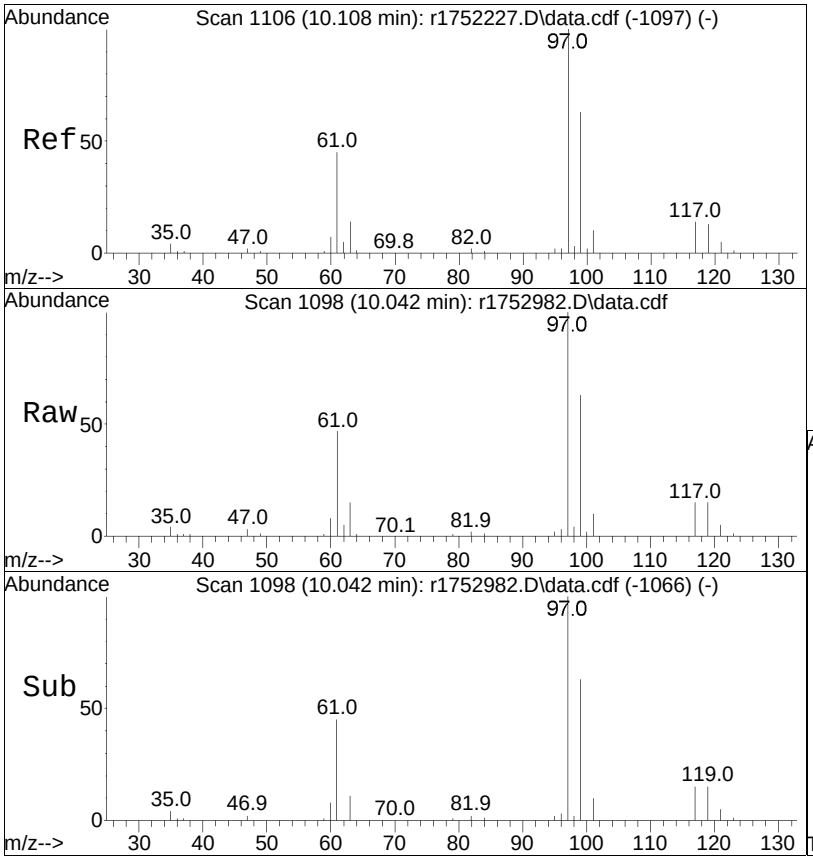


#44
hexane
Concen: 10.01 ppbV
RT: 8.842 min Scan# 954
Delta R.T. -0.075 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 57 Resp: 408360

Ion	Ratio	Lower	Upper
57	100		
43	193.9	163.5	245.3
86	15.2	11.7	17.5

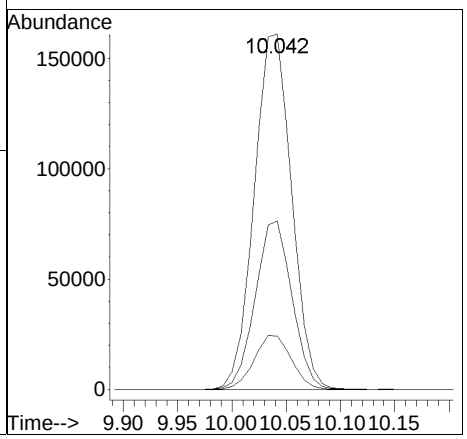


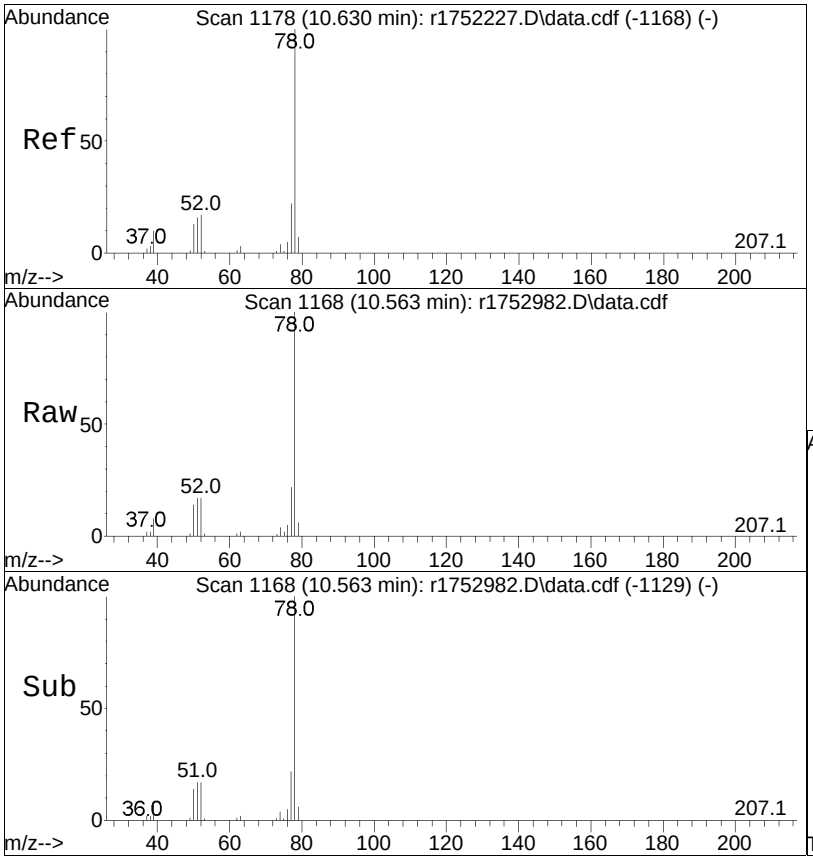


#48
1,1,1-trichloroethane
Concen: 10.42 ppbV
RT: 10.042 min Scan# 1098
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 97 Resp: 385440

Ion	Ratio	Lower	Upper
97	100		
61	47.4	36.2	54.4
119	15.0	10.7	16.1

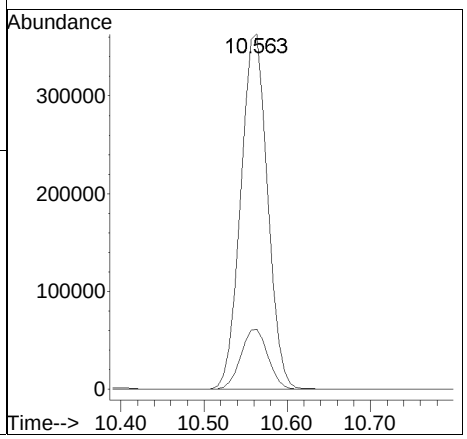


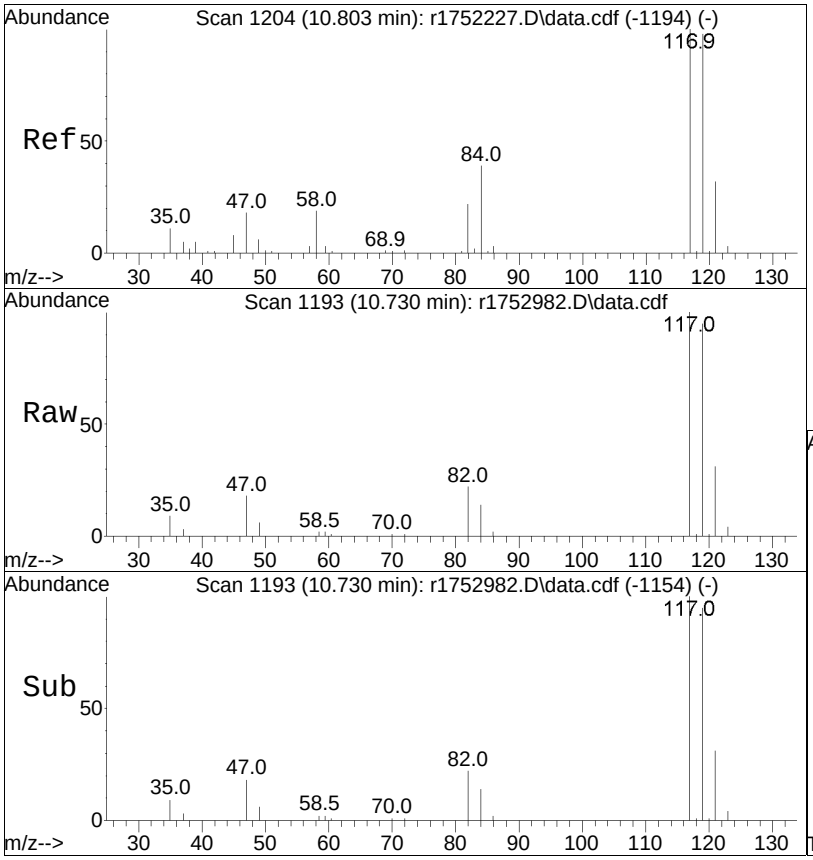


#50
benzene
Concen: 11.50 ppbV
RT: 10.563 min Scan# 1168
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 78 Resp: 815999

Ion	Ratio	Lower	Upper
78	100		
52	16.9	13.8	20.8

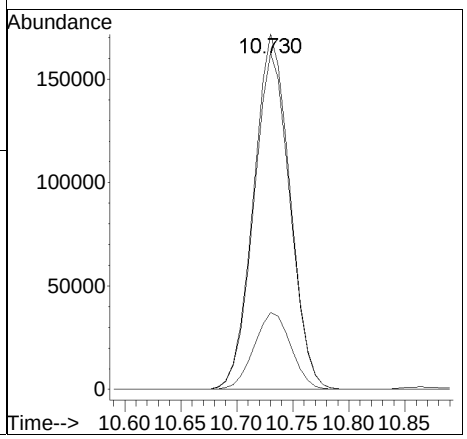


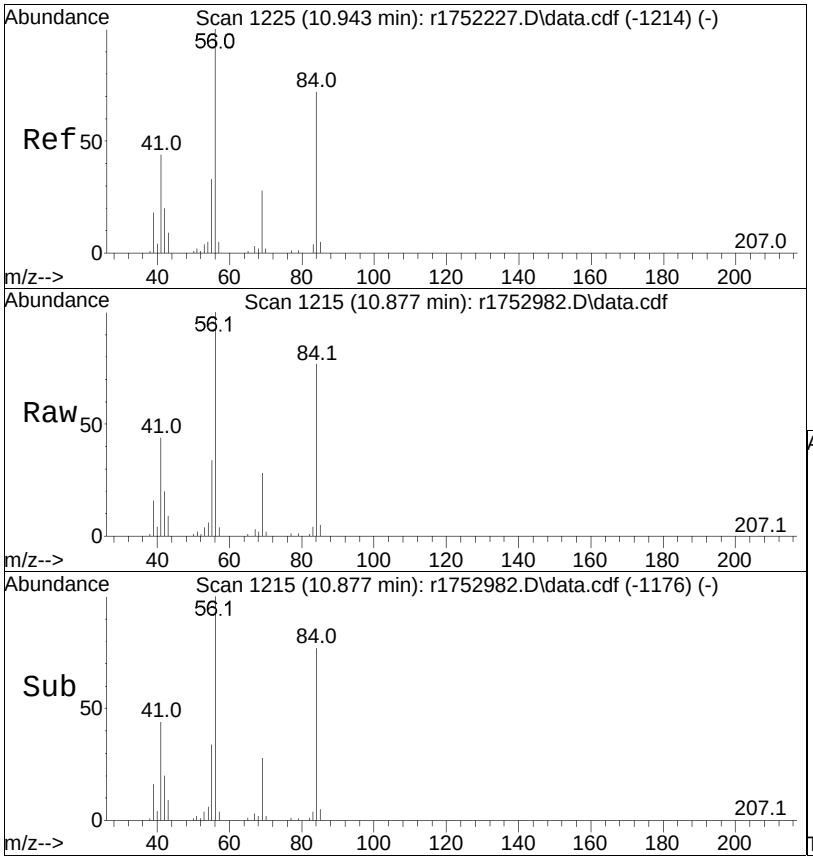


#52
carbon tetrachloride
Concen: 12.16 ppbV
RT: 10.730 min Scan# 1193
Delta R.T. -0.073 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:117 Resp: 387405

Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.4	117.6
82	21.6	17.4	26.2

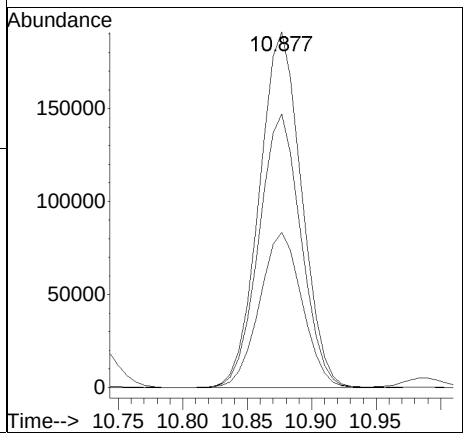


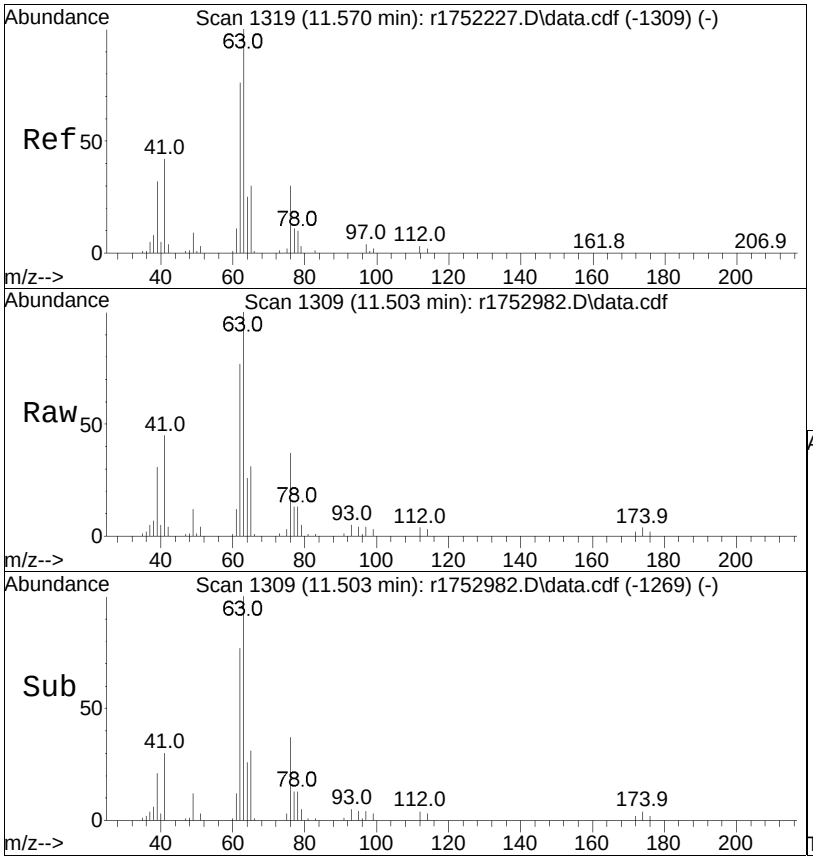


#53
cyclohexane
Concen: 10.13 ppbV
RT: 10.877 min Scan# 1215
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 56 Resp: 436082

Ion	Ratio	Lower	Upper
56	100		
84	76.9	57.8	86.8
41	43.6	35.5	53.3

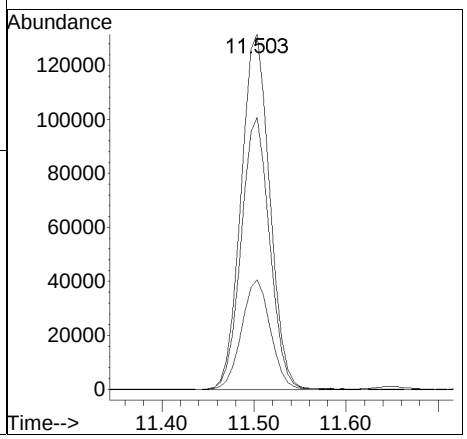


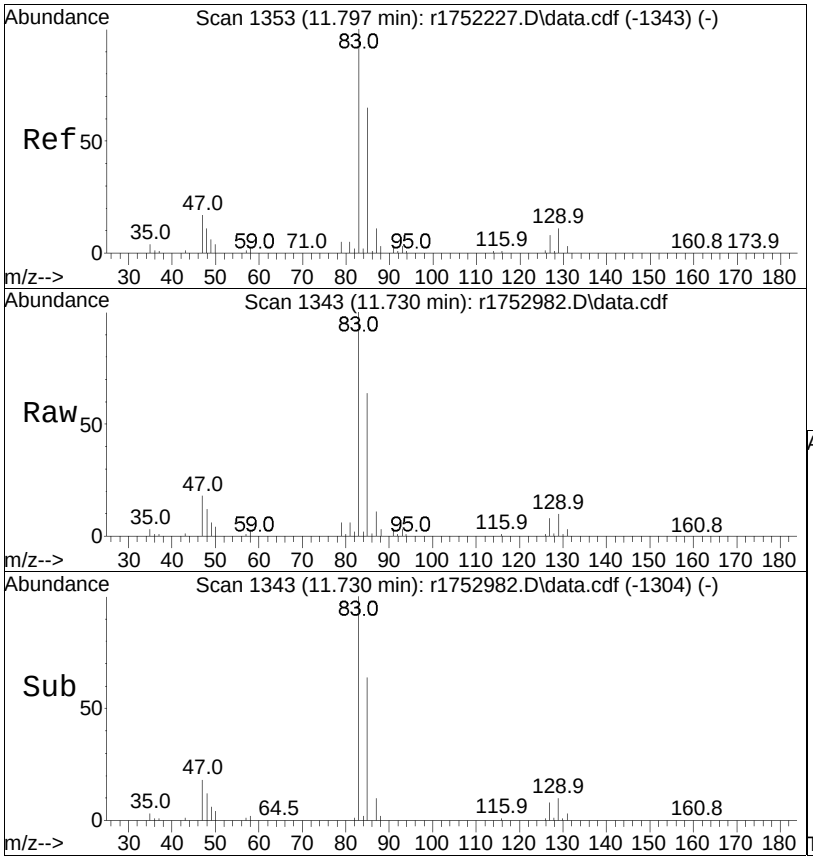


#56
1,2-dichloropropane
Concen: 9.62 ppbV
RT: 11.503 min Scan# 1309
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 63 Resp: 285175

Ion	Ratio	Lower	Upper
63	100		
62	76.6	60.6	90.8
39	30.9	25.5	38.3

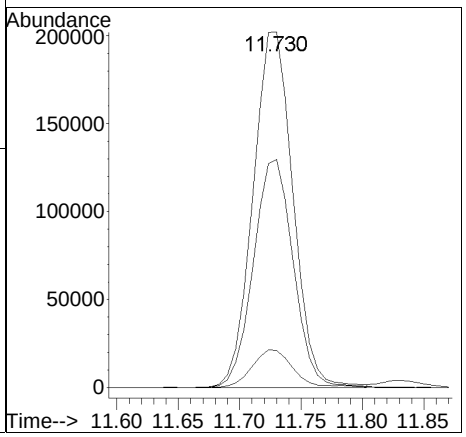


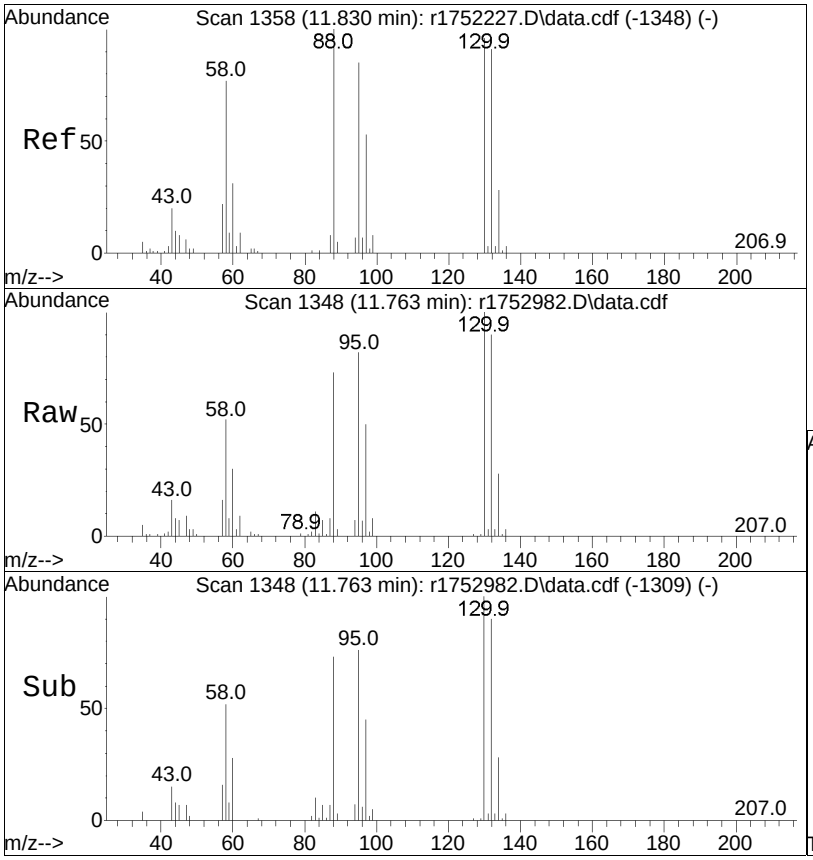


#57
bromodichloromethane
Concen: 12.24 ppbV
RT: 11.730 min Scan# 1343
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 83 Resp: 456677

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.3	78.5
129	10.4	8.8	13.2

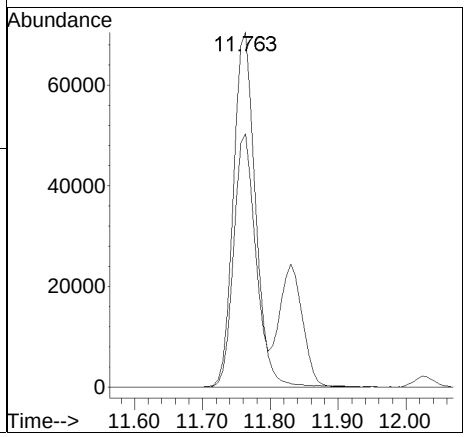


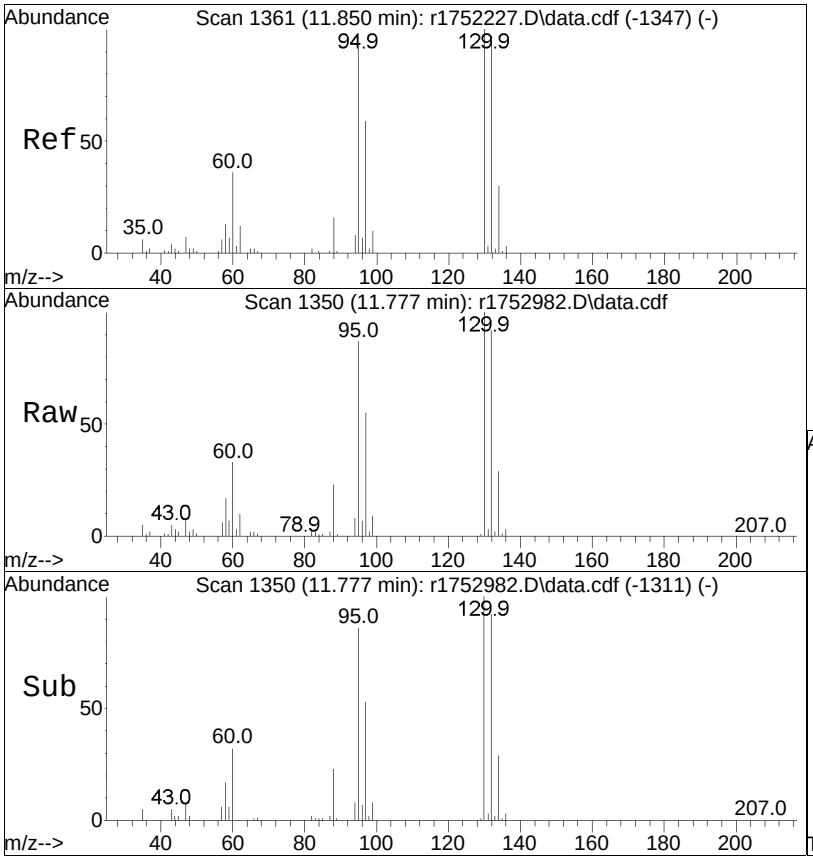


#58
1,4-dioxane
Concen: 9.64 ppbV
RT: 11.763 min Scan# 1348
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 88 Resp: 160706

Ion	Ratio	Lower	Upper
88	100		
58	71.4	61.9	92.9

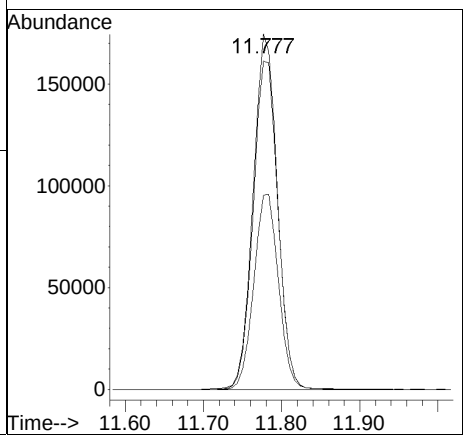


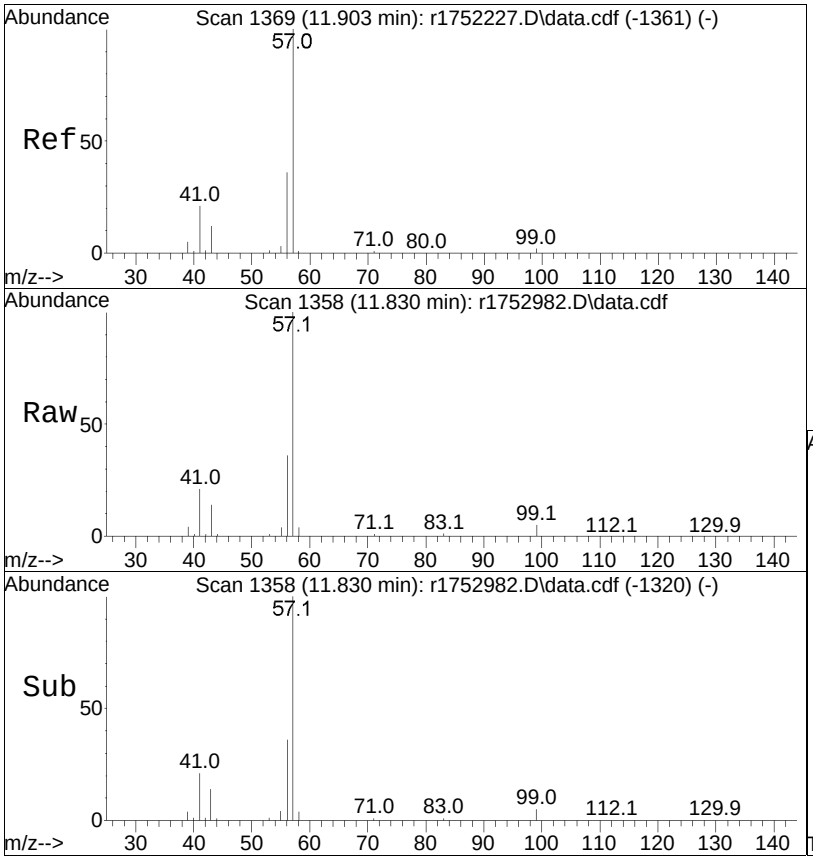


#59
trichloroethene
Concen: 11.00 ppbV
RT: 11.777 min Scan# 1350
Delta R.T. -0.073 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:130 Resp: 376792

Ion	Ratio	Lower	Upper
130	100		
132	92.4	77.3	115.9
97	54.7	46.9	70.3

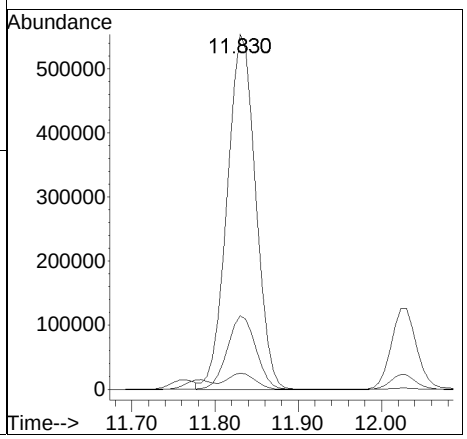


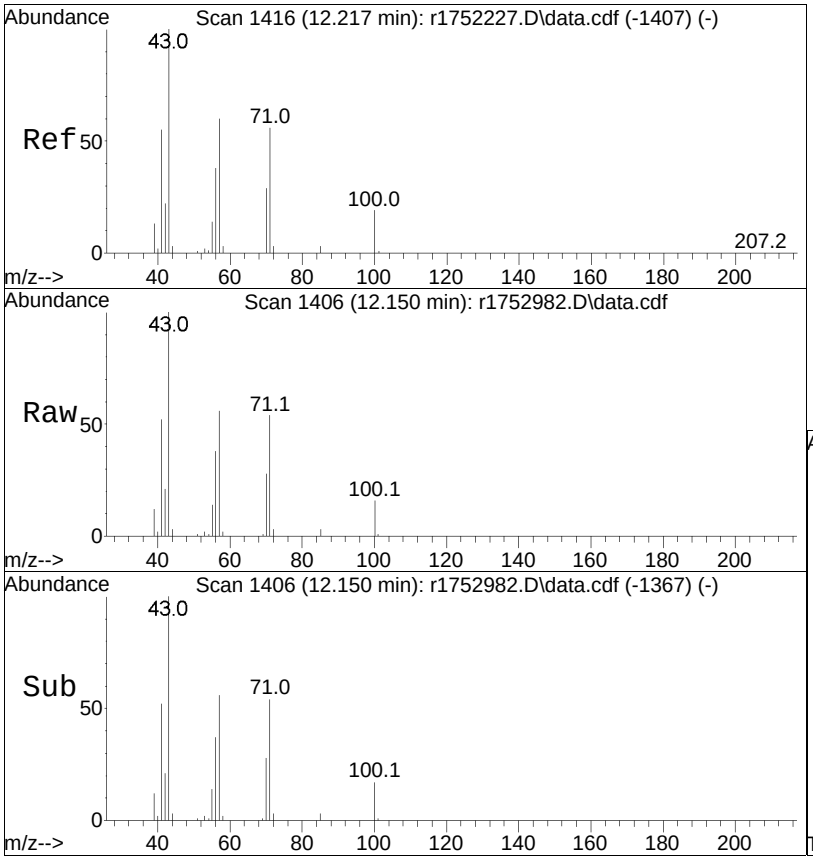


#60
2,2,4-trimethylpentane
Concen: 10.01 ppbV
RT: 11.830 min Scan# 1358
Delta R.T. -0.073 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 57 Resp: 1318919

Ion	Ratio	Lower	Upper
57	100		
99	4.6	3.8	5.8
41	20.7	16.5	24.7

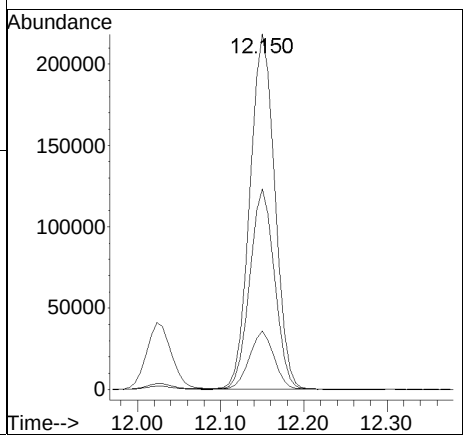


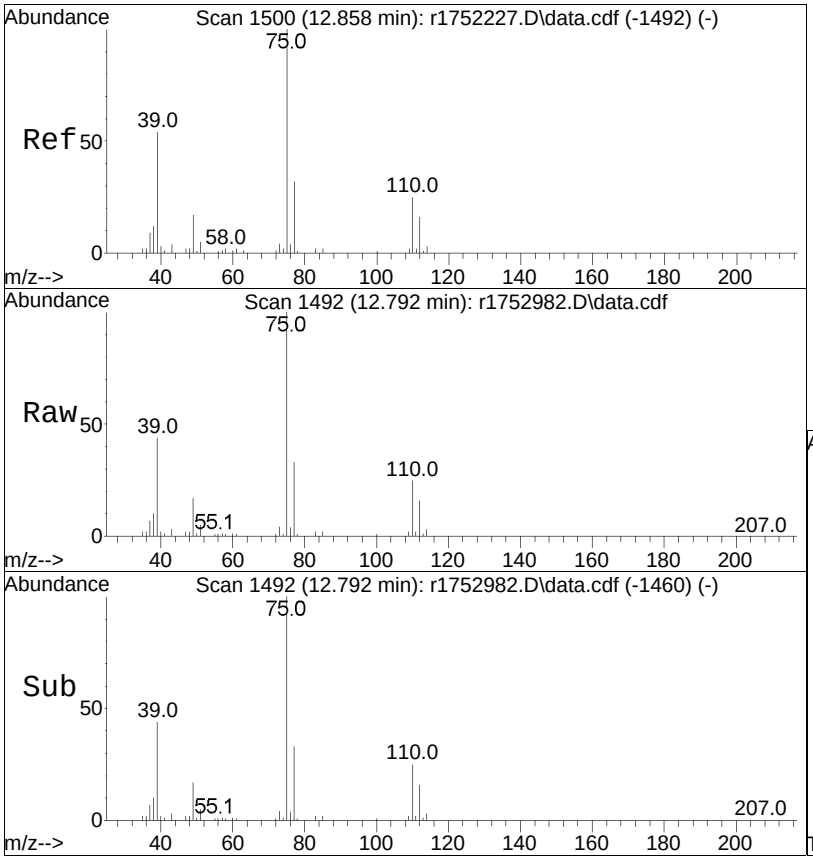


#62
heptane
Concen: 10.53 ppbV
RT: 12.150 min Scan# 1406
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 43 Resp: 455201

Ion	Ratio	Lower	Upper
43	100		
57	56.4	48.3	72.5
100	16.5	15.4	23.0

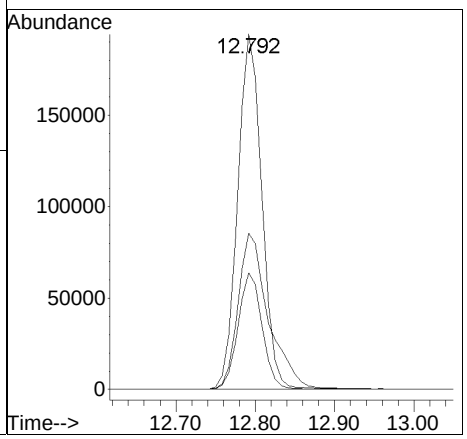


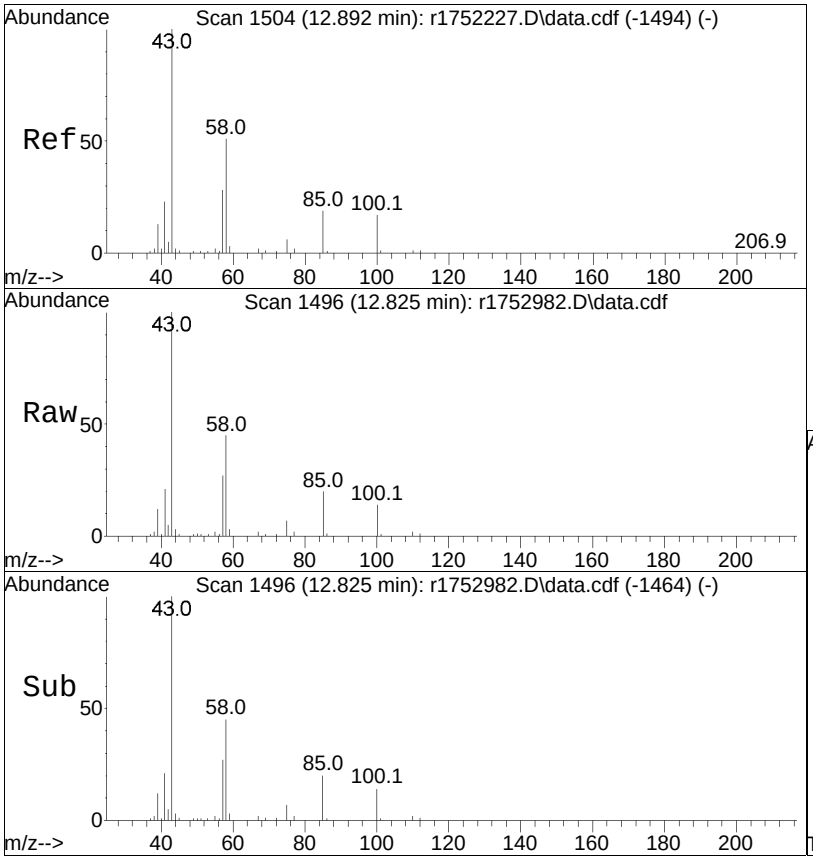


#63
cis-1,3-dichloropropene
Concen: 12.58 ppbV
RT: 12.792 min Scan# 1492
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 75 Resp: 411901

Ion	Ratio	Lower	Upper
75	100		
39	44.0	43.1	64.7
77	32.8	25.3	37.9

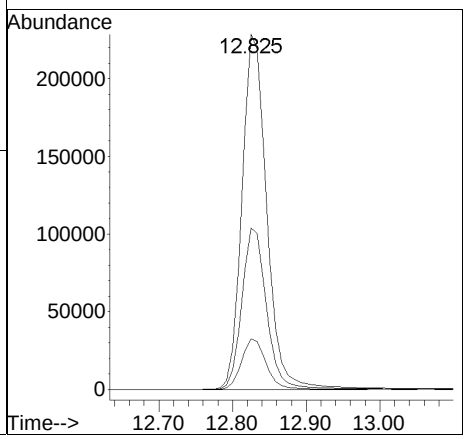


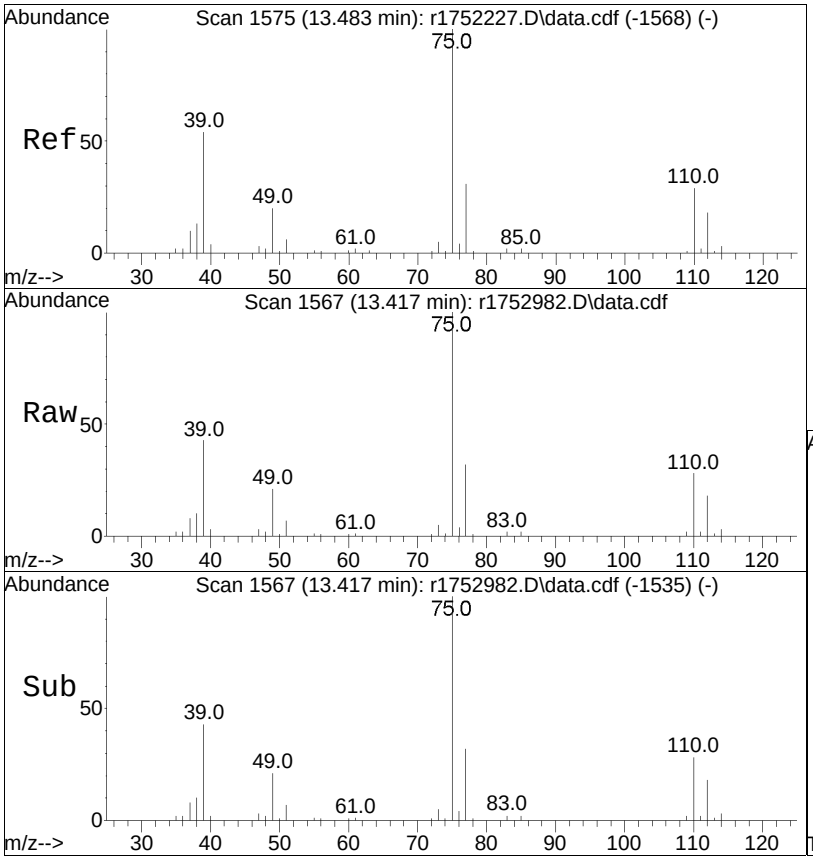


#64
4-methyl-2-pentanone
Concen: 10.30 ppbV
RT: 12.825 min Scan# 1496
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 43 Resp: 534175

Ion	Ratio	Lower	Upper
43	100		
58	45.4	40.5	60.7
100	14.3	13.2	19.8

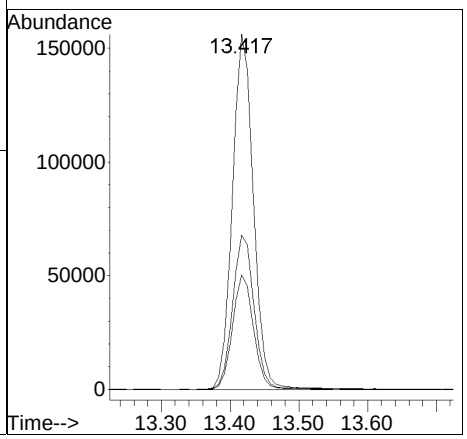


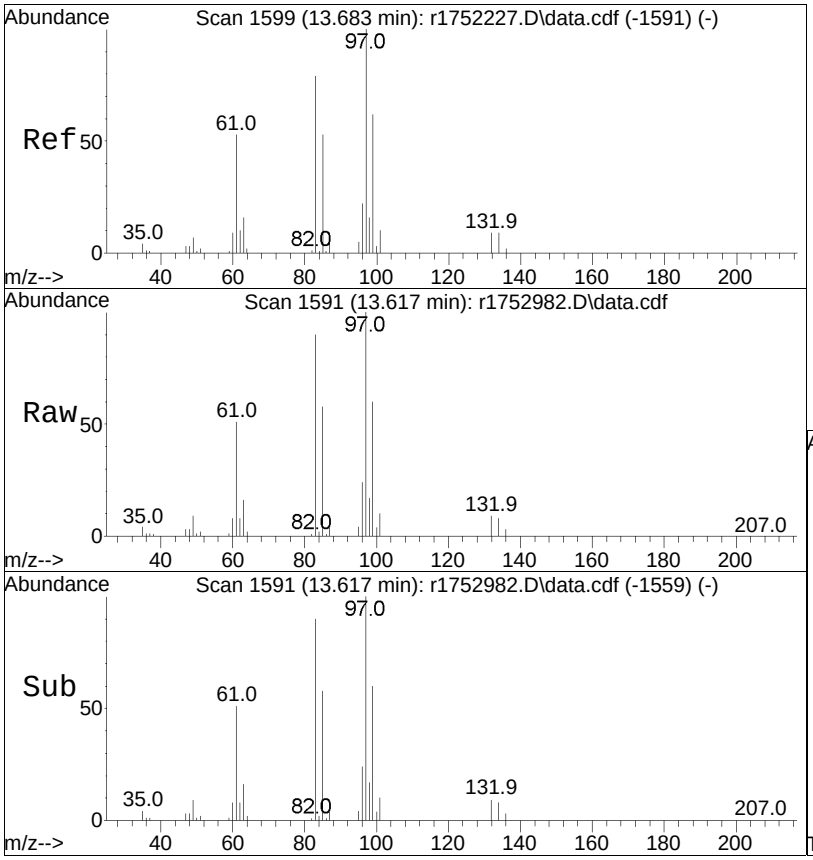


#65
trans-1,3-dichloropropene
Concen: 14.15 ppbV
RT: 13.417 min Scan# 1567
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 75 Resp: 332673

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	43.4	43.4	65.2

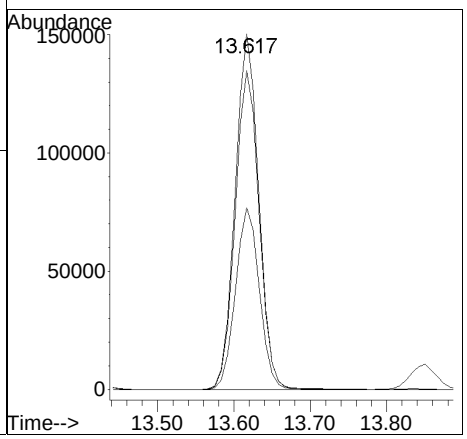


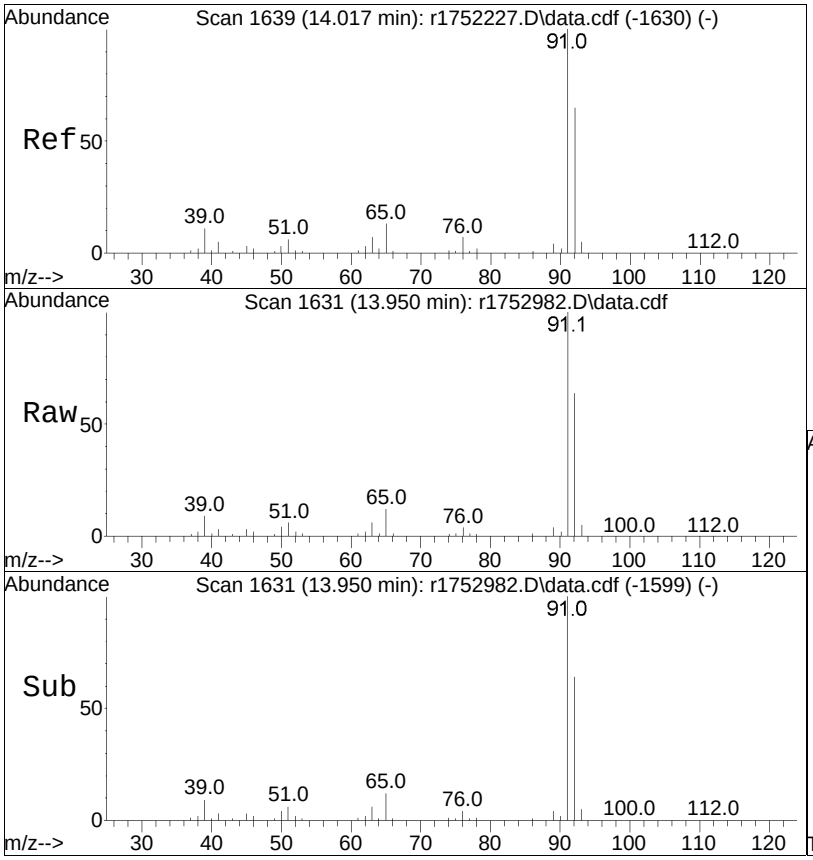


#66
1,1,2-trichloroethane
Concen: 10.73 ppbV
RT: 13.617 min Scan# 1591
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 97 Resp: 322210

Ion	Ratio	Lower	Upper
97	100		
83	89.7	63.4	95.2
61	51.2	42.6	63.8

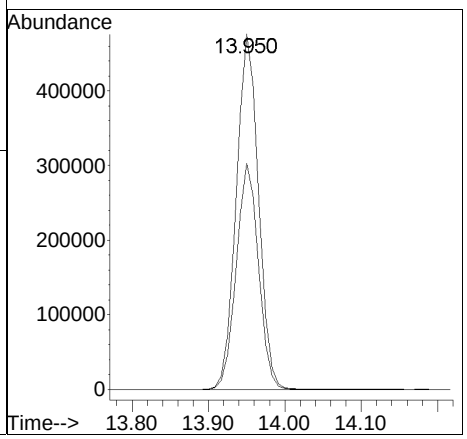


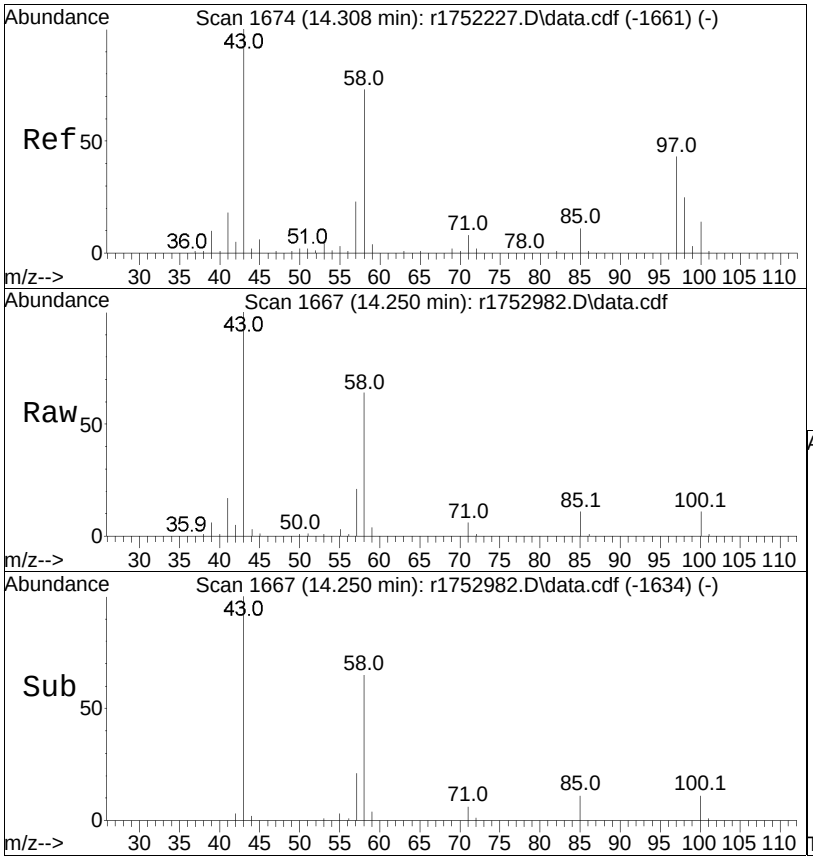


#68
toluene
Concen: 10.28 ppbV
RT: 13.950 min Scan# 1631
Delta R.T. -0.067 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 91 Resp: 963065

Ion	Ratio	Lower	Upper
91	100		
92	63.7	51.9	77.9

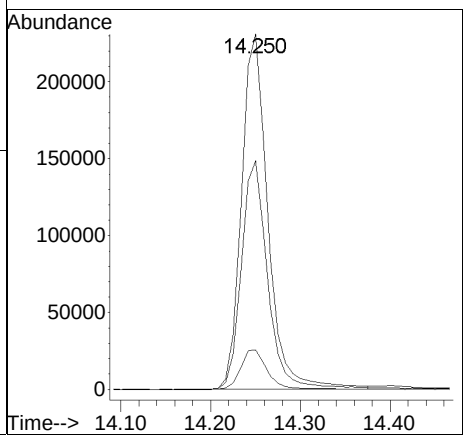


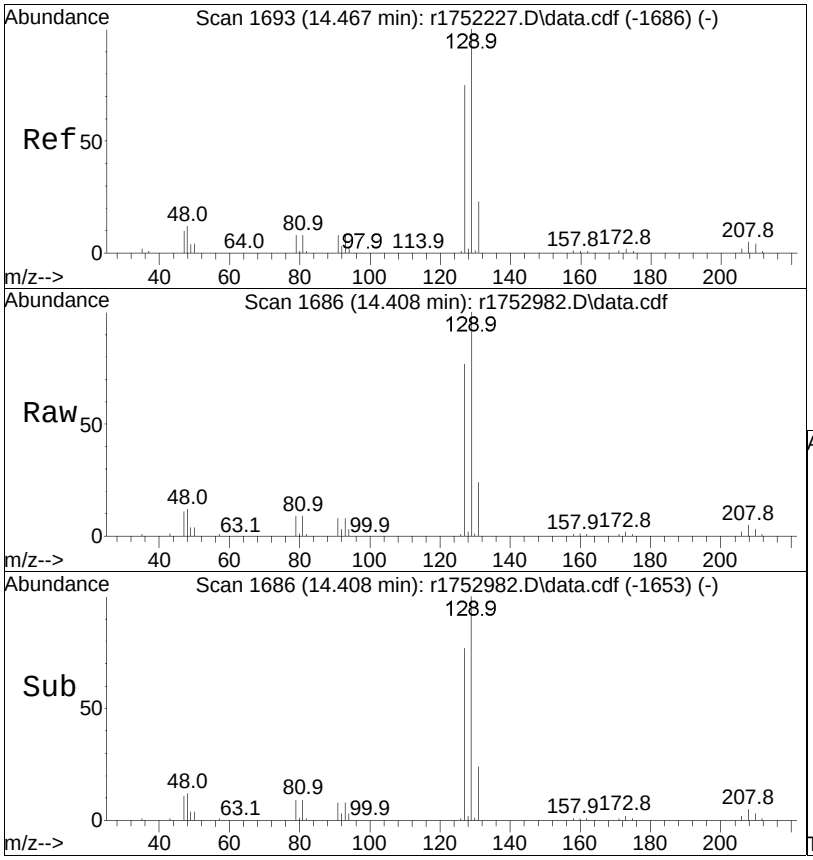


#72
2-hexanone
Concen: 10.09 ppbV
RT: 14.250 min Scan# 1667
Delta R.T. -0.058 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 43 Resp: 473519

Ion	Ratio	Lower	Upper
43	100		
58	64.3	58.5	87.7
100	11.1	11.0	16.6

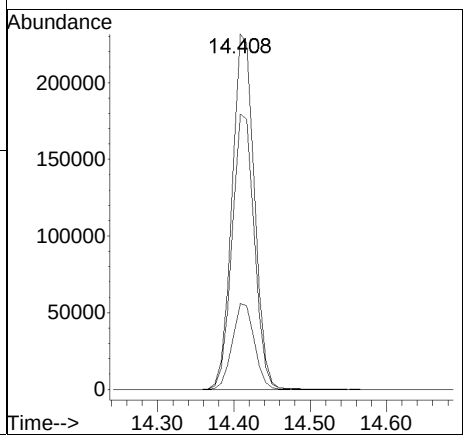


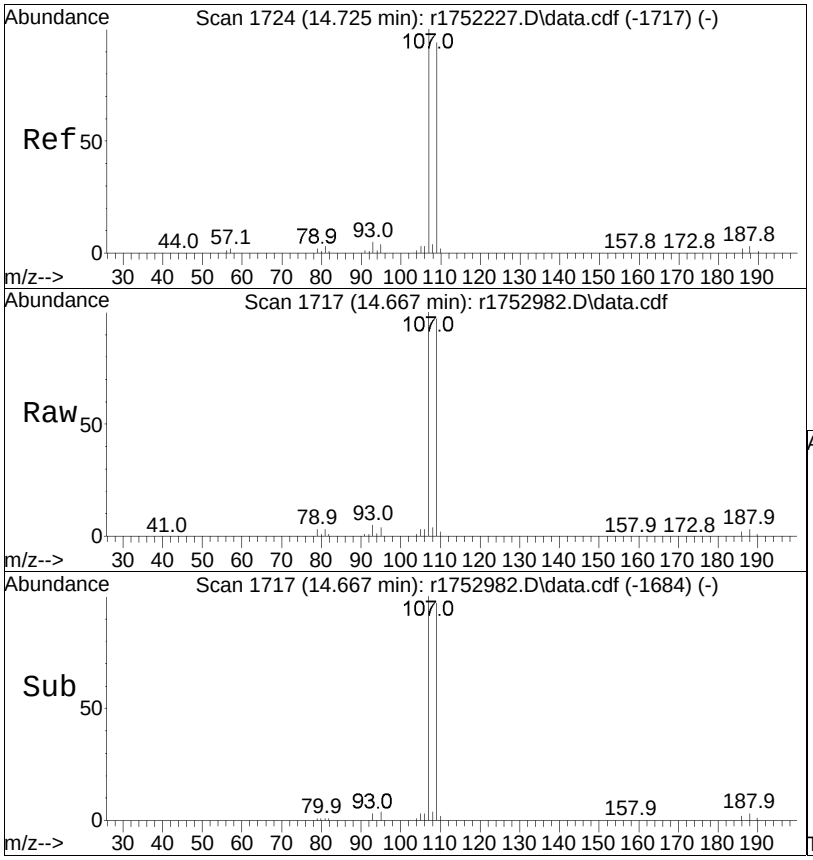


#74
dibromochloromethane
Concen: 11.58 ppbV
RT: 14.408 min Scan# 1686
Delta R.T. -0.058 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:129 Resp: 469513

Ion	Ratio	Lower	Upper
129	100		
127	77.5	60.4	90.6
131	24.2	18.8	28.2

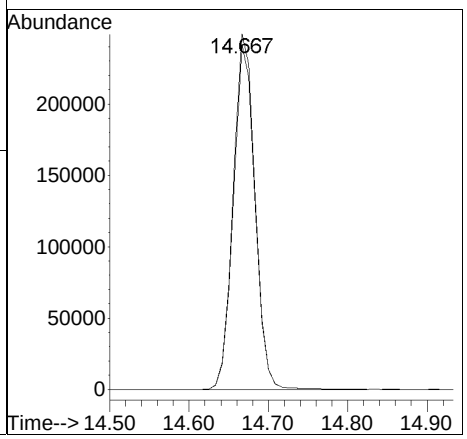


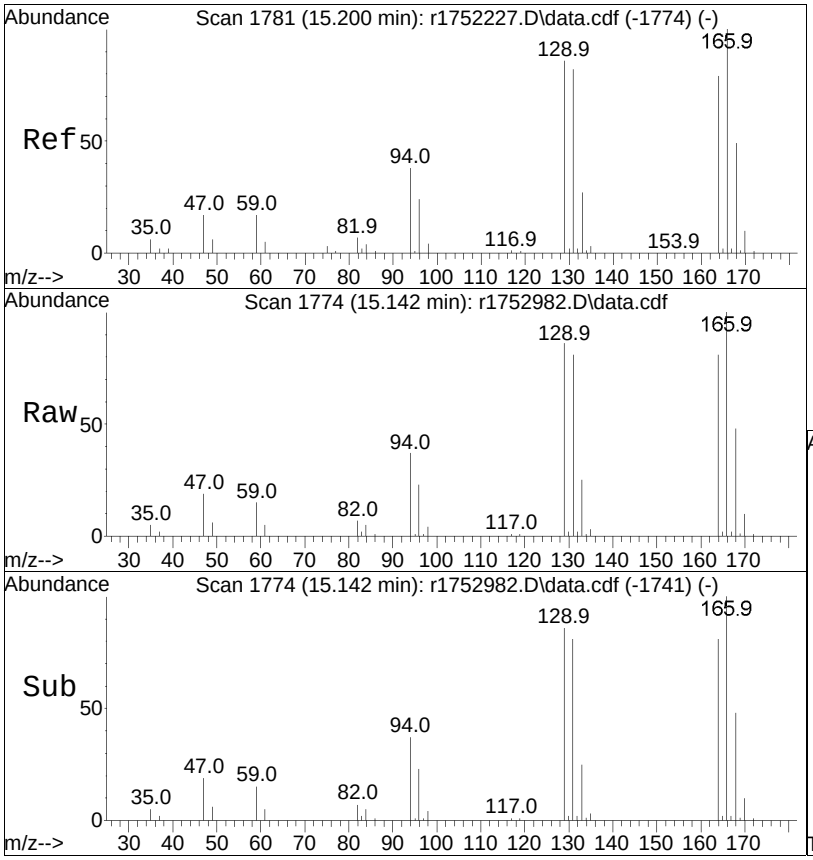


#75
1,2-dibromoethane
Concen: 11.92 ppbV
RT: 14.667 min Scan# 1717
Delta R.T. -0.058 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:107 Resp: 477181

Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.0	112.6

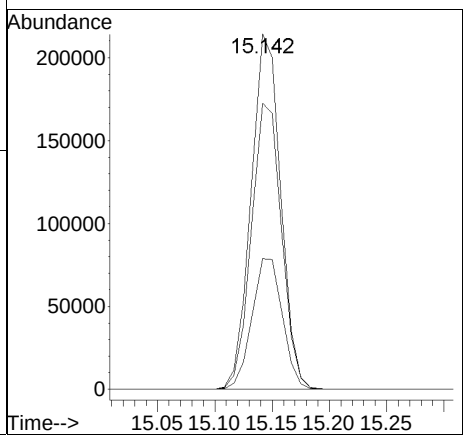


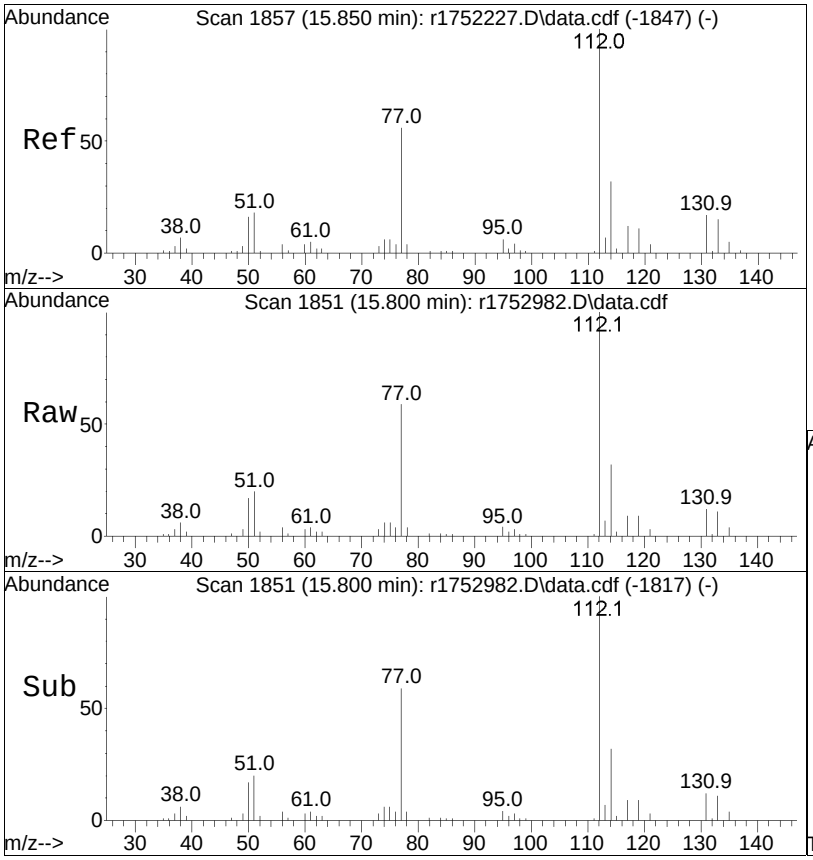


#78
tetrachloroethene
Concen: 10.78 ppbV
RT: 15.142 min Scan# 1774
Delta R.T. -0.058 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:166 Resp: 385711

Ion	Ratio	Lower	Upper
166	100		
131	80.5	65.7	98.5
94	36.8	30.4	45.6

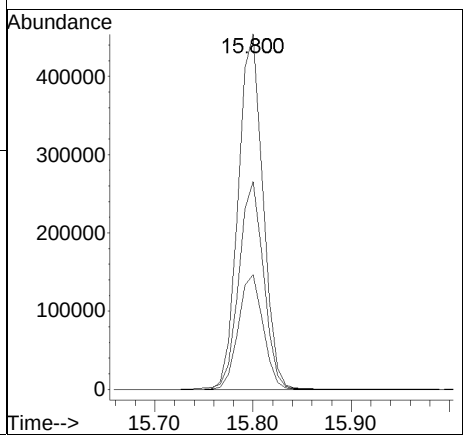


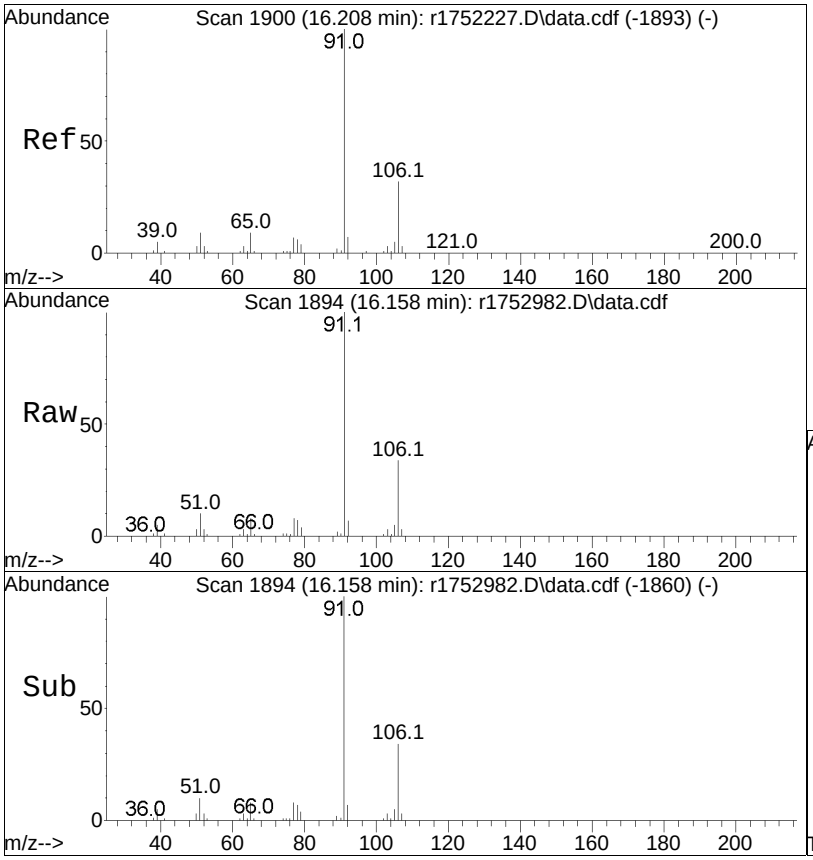


#80
chlorobenzene
Concen: 11.32 ppbV
RT: 15.800 min Scan# 1851
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:112 Resp: 794070

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.8
77	58.5	45.2	67.8

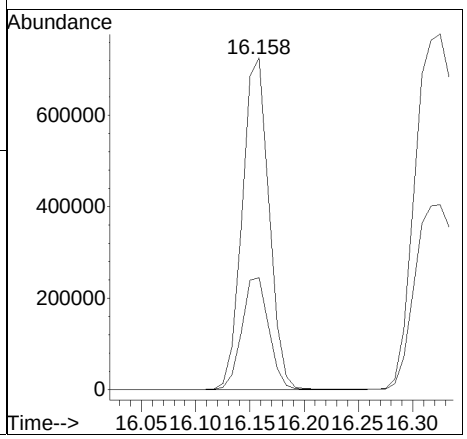


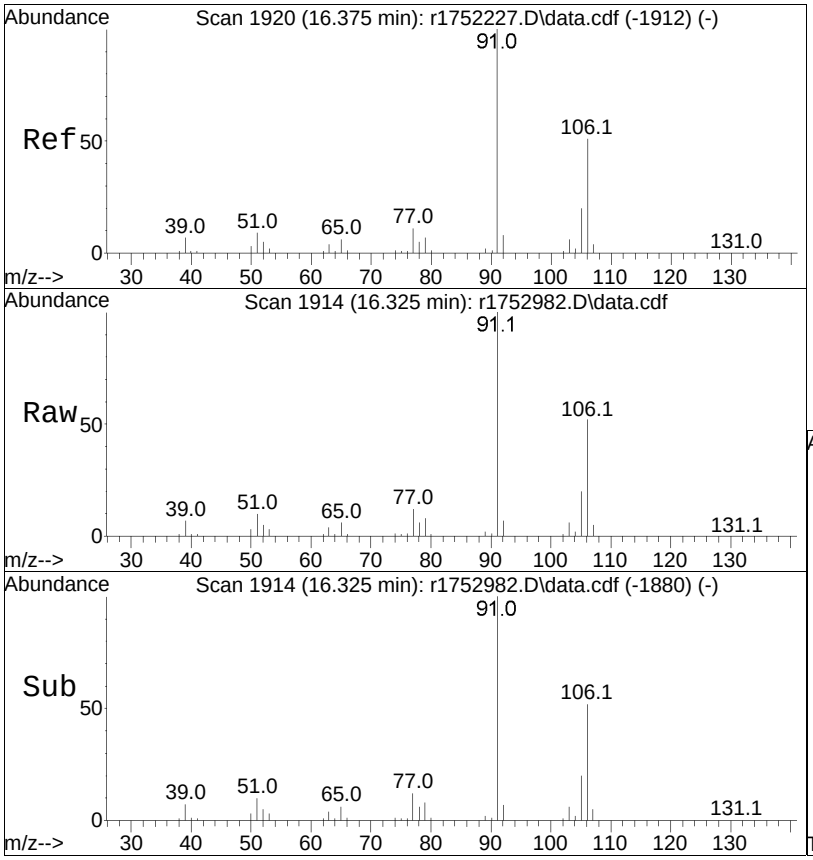


#81
ethylbenzene
Concen: 10.45 ppbV
RT: 16.158 min Scan# 1894
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 91 Resp: 1241385

Ion	Ratio	Lower	Upper
91	100		
106	33.7	25.7	38.5

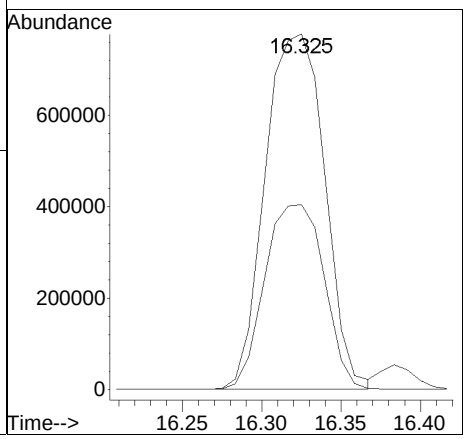


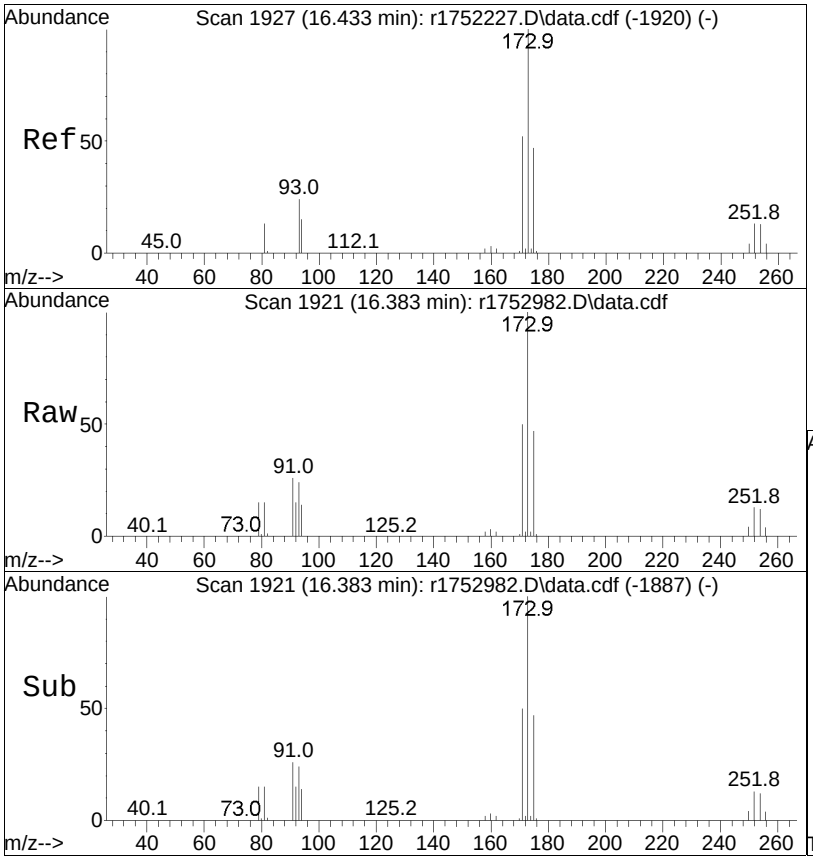


#83
m+p-xylene
Concen: 21.53 ppbV
RT: 16.325 min Scan# 1914
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 91 Resp: 2030318

Ion	Ratio	Lower	Upper
91	100		
106	52.0	41.1	61.7

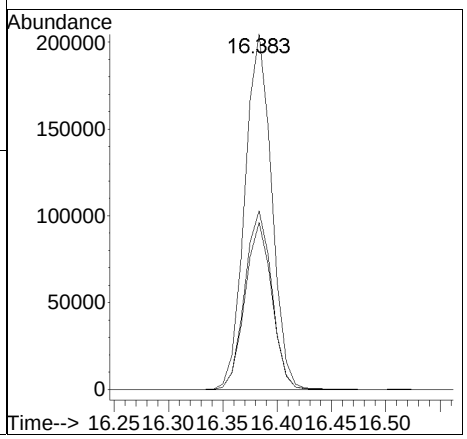


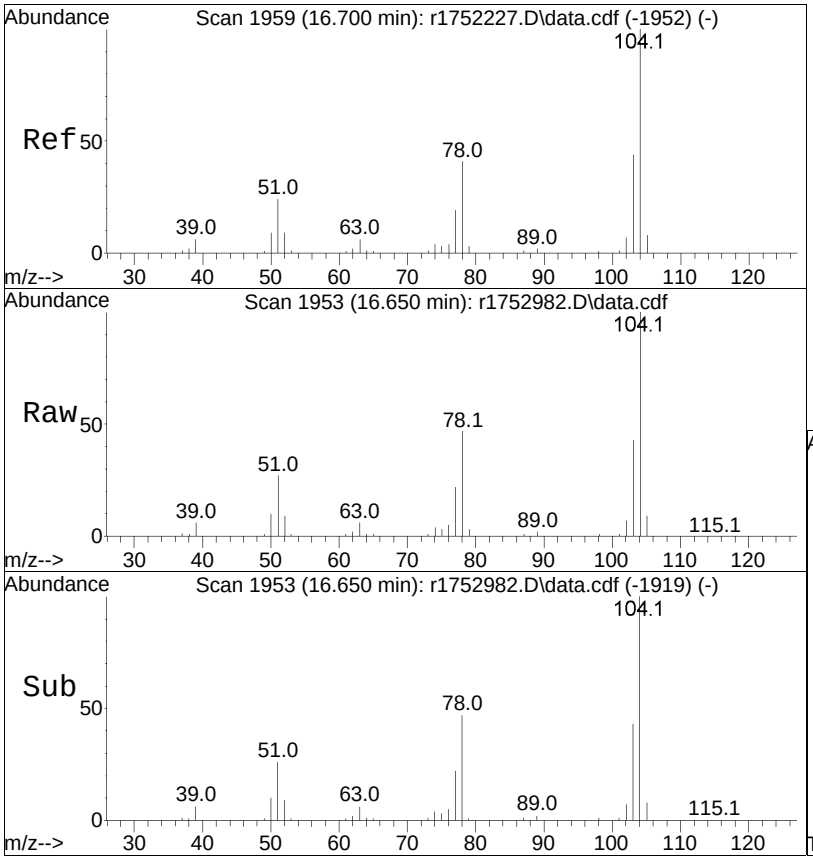


#84
bromoform
Concen: 11.18 ppbV
RT: 16.383 min Scan# 1921
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:173 Resp: 351857

Ion	Ratio	Lower	Upper
173	100		
175	47.0	37.9	56.9
171	50.3	41.3	61.9

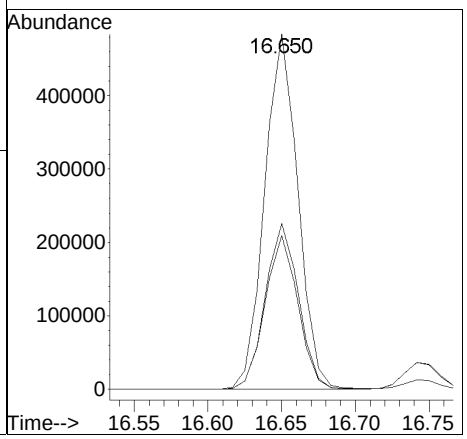


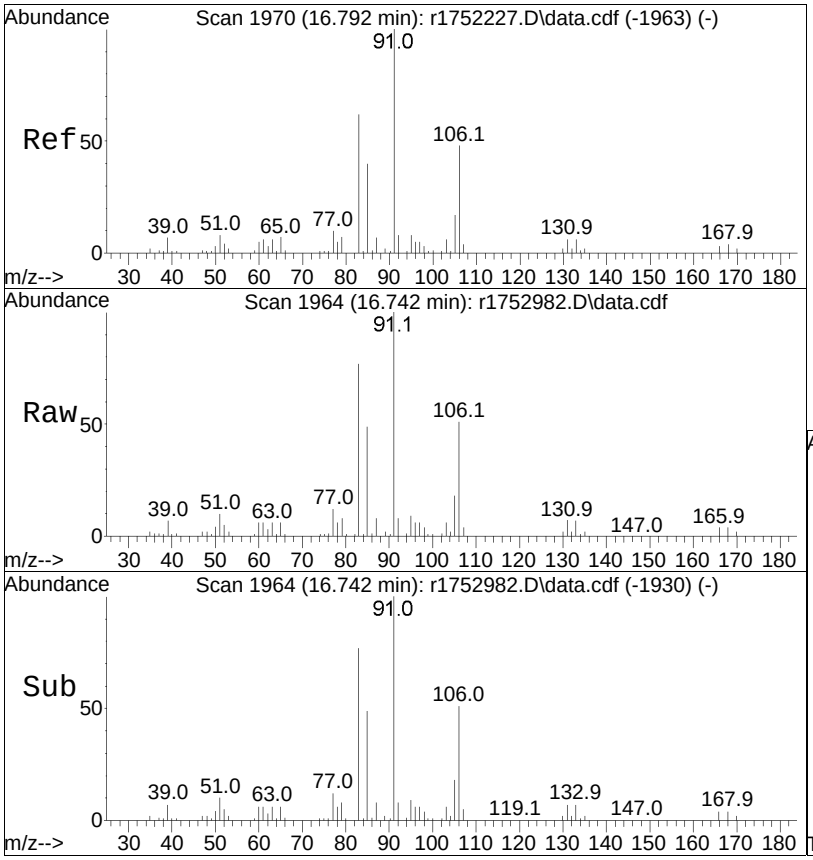


#85
styrene
Concen: 10.79 ppbV
RT: 16.650 min Scan# 1953
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:104 Resp: 760415

Ion	Ratio	Lower	Upper
104	100		
103	43.3	34.9	52.3
78	46.7	33.0	49.4

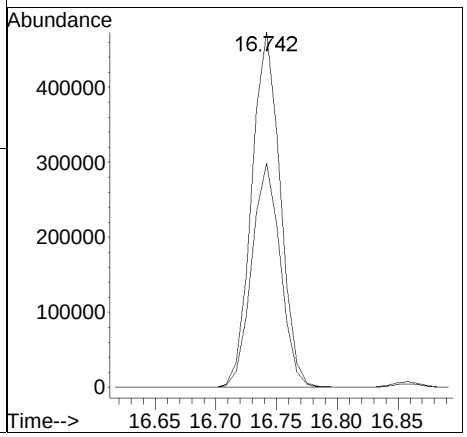


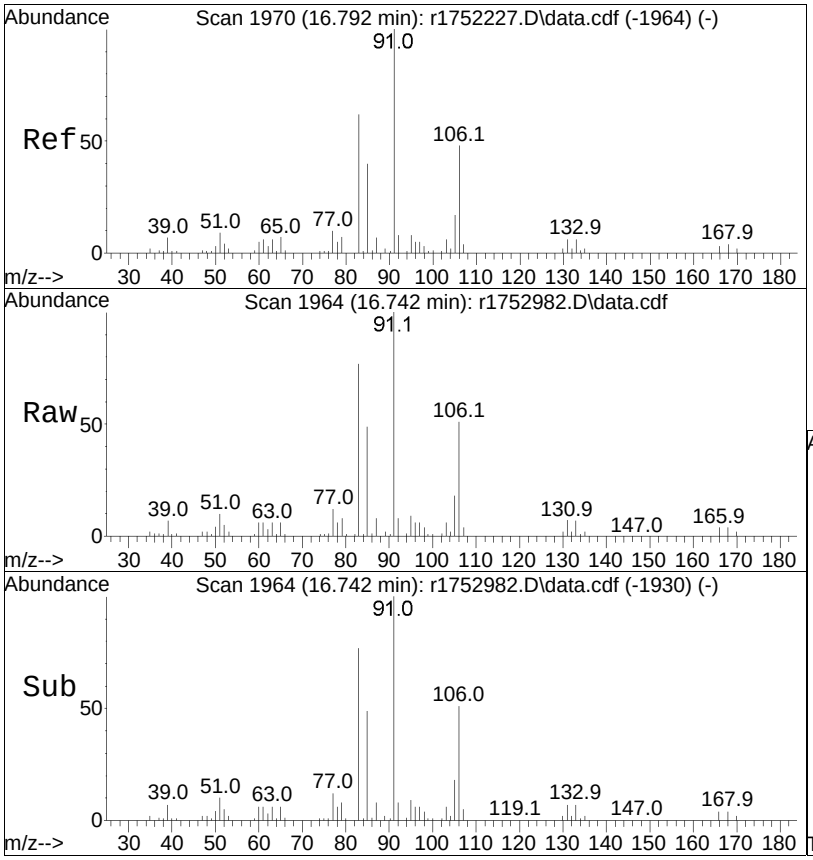


#86
1,1,2,2-tetrachloroethane
Concen: 12.42 ppbV
RT: 16.742 min Scan# 1964
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 83 Resp: 775307

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3

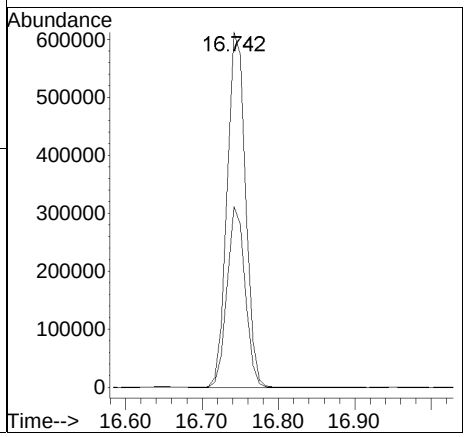


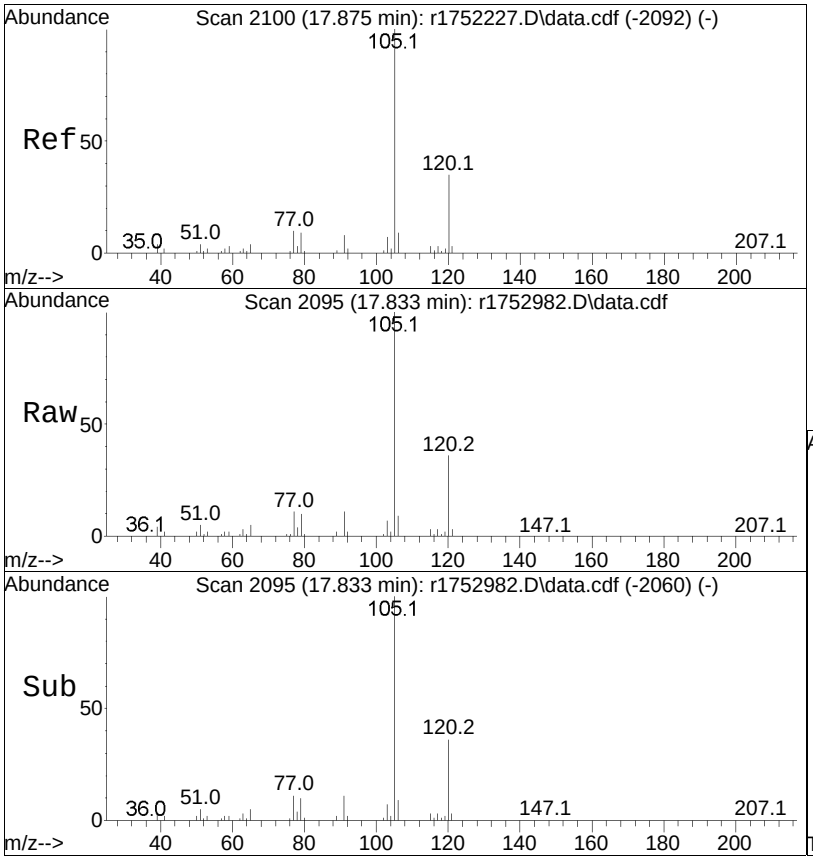


#87
o-xylene
Concen: 10.93 ppbV
RT: 16.742 min Scan# 1964
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 91 Resp: 1029123

Ion	Ratio	Lower	Upper
91	100		
106	50.9	38.4	57.6

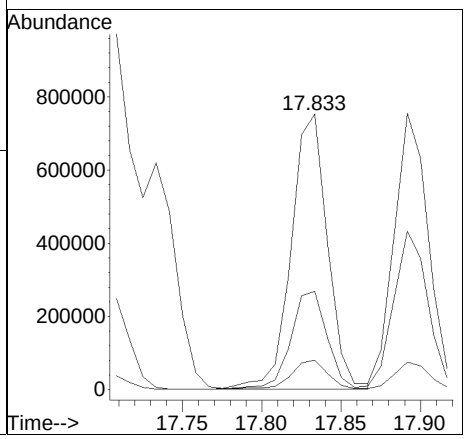


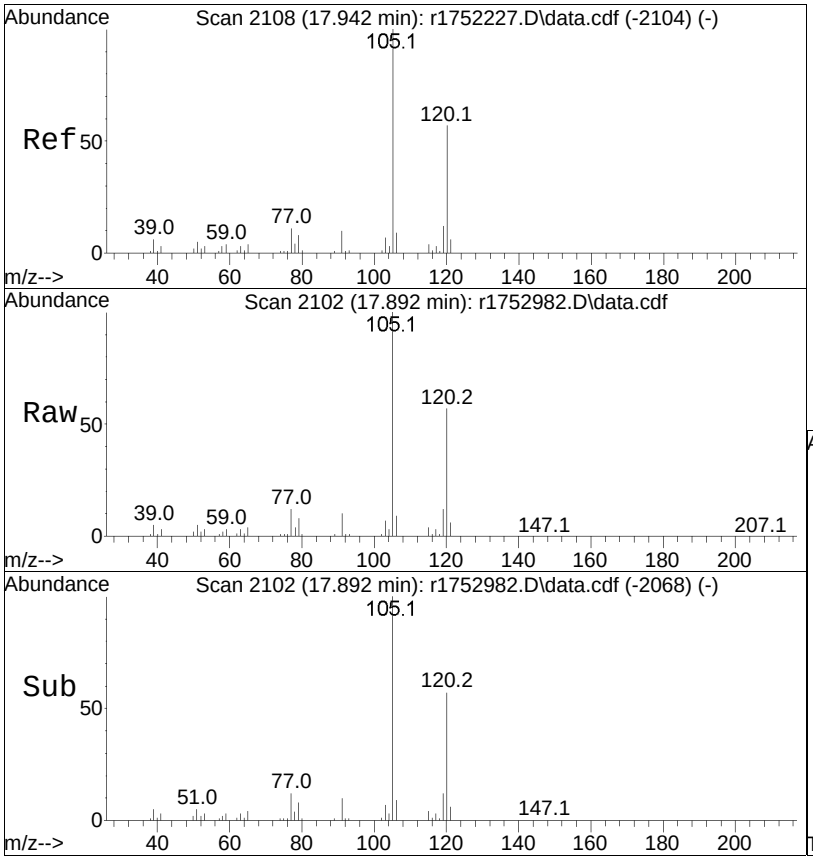


#96
4-ethyl toluene
Concen: 10.49 ppbV
RT: 17.833 min Scan# 2095
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:105 Resp: 1199628

Ion	Ratio	Lower	Upper
105	100		
120	35.6	27.9	41.9
91	10.7	8.6	12.8

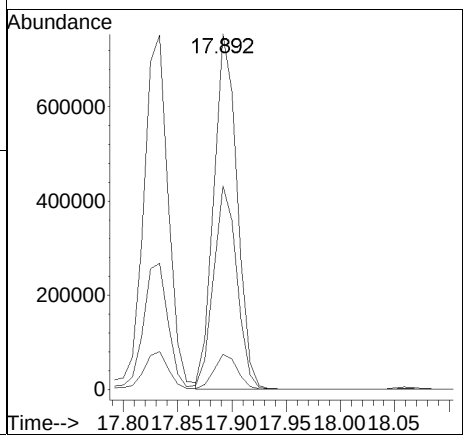


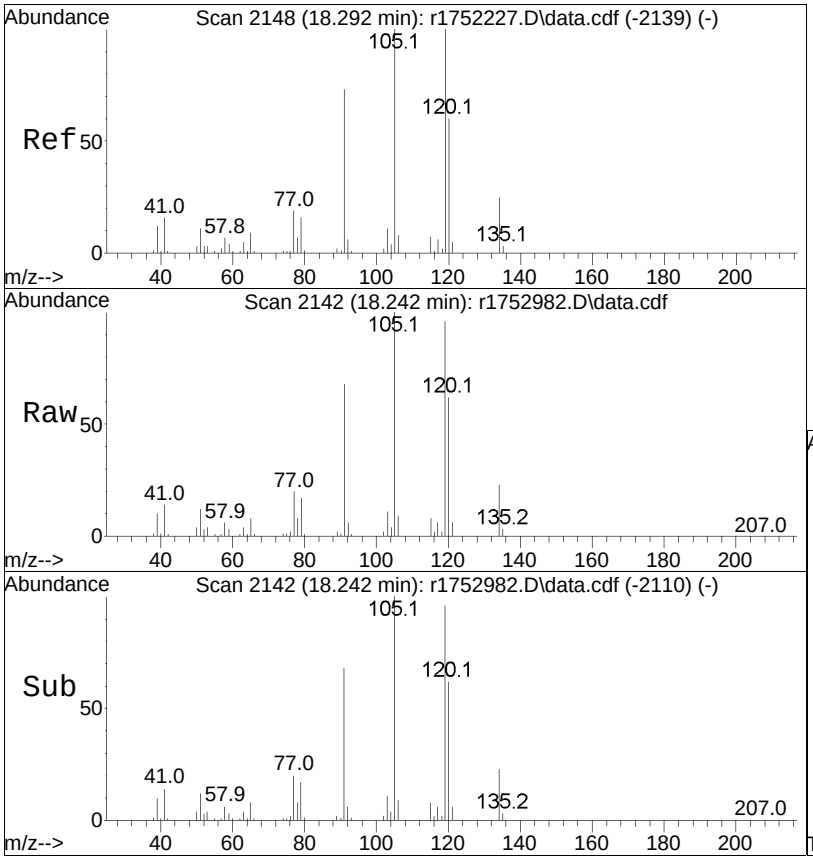


#97
1,3,5-trimethylbenzene
Concen: 11.22 ppbV
RT: 17.892 min Scan# 2102
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:105 Resp: 1127347

Ion	Ratio	Lower	Upper
105	100		
120	57.3	45.1	67.7
91	9.9	8.0	12.0

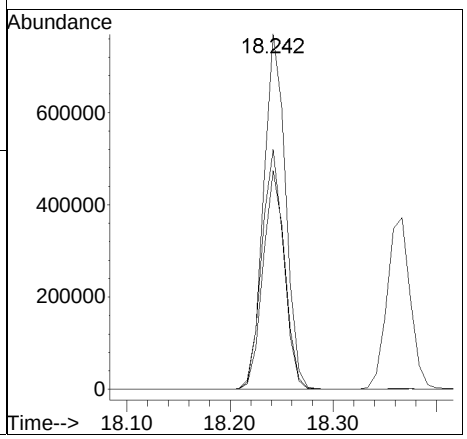


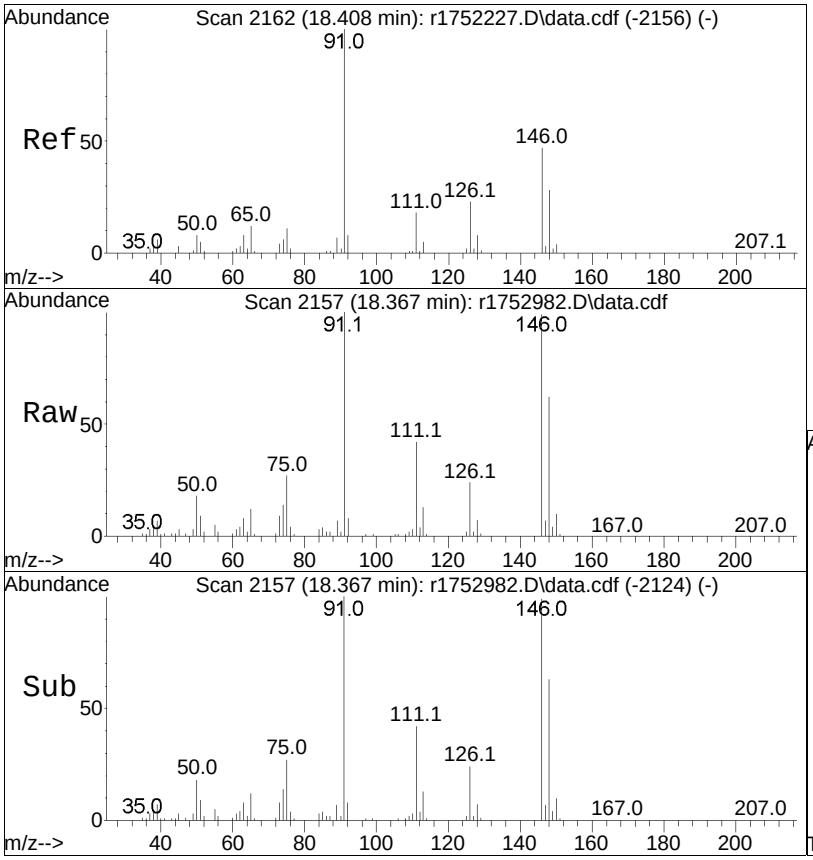


#99
1,2,4-trimethylbenzene
Concen: 11.44 ppbV
RT: 18.242 min Scan# 2142
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:105 Resp: 1140133

Ion	Ratio	Lower	Upper
105	100		
120	61.7	48.0	72.0
91	67.5	58.3	87.5

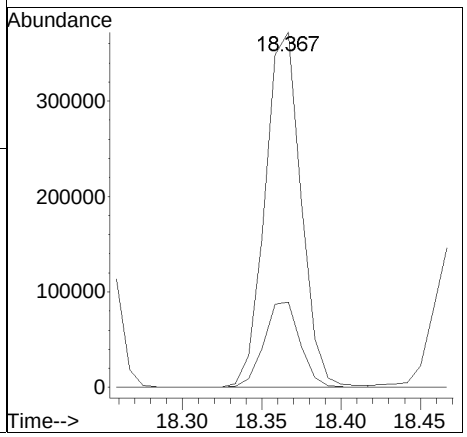


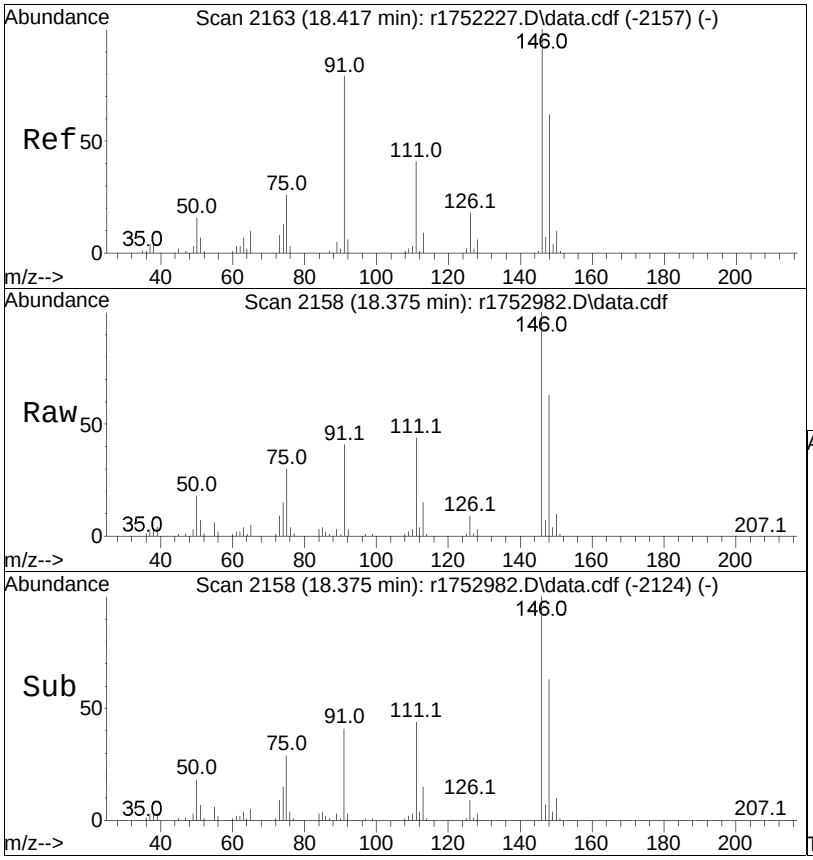


#101
Benzyl Chloride
Concen: 8.13 ppbV
RT: 18.367 min Scan# 2157
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion: 91 Resp: 586339

Ion	Ratio	Lower	Upper
91	100		
126	24.0	18.6	28.0

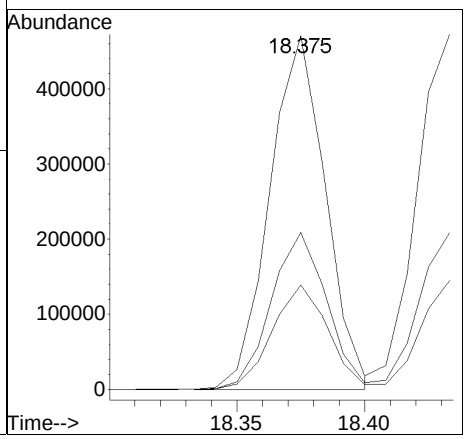


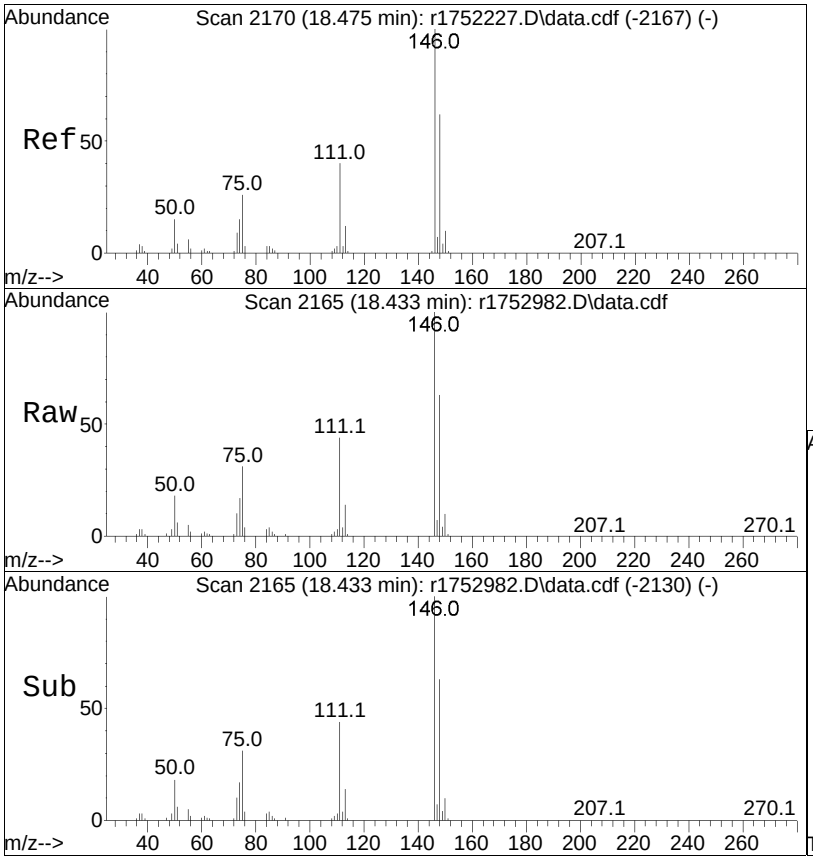


#102
1,3-dichlorobenzene
Concen: 11.33 ppbV m
RT: 18.375 min Scan# 2158
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:146 Resp: 714051

Ion	Ratio	Lower	Upper
146	100		
111	44.4	32.9	49.3
75	29.5	20.6	30.8

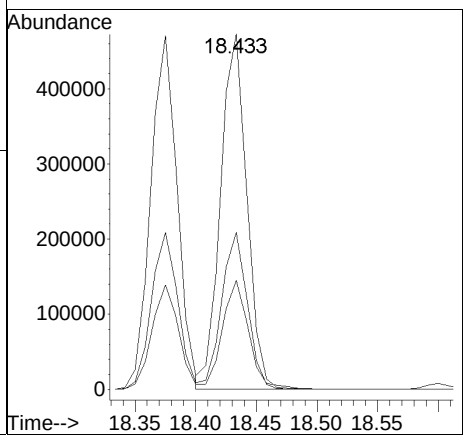


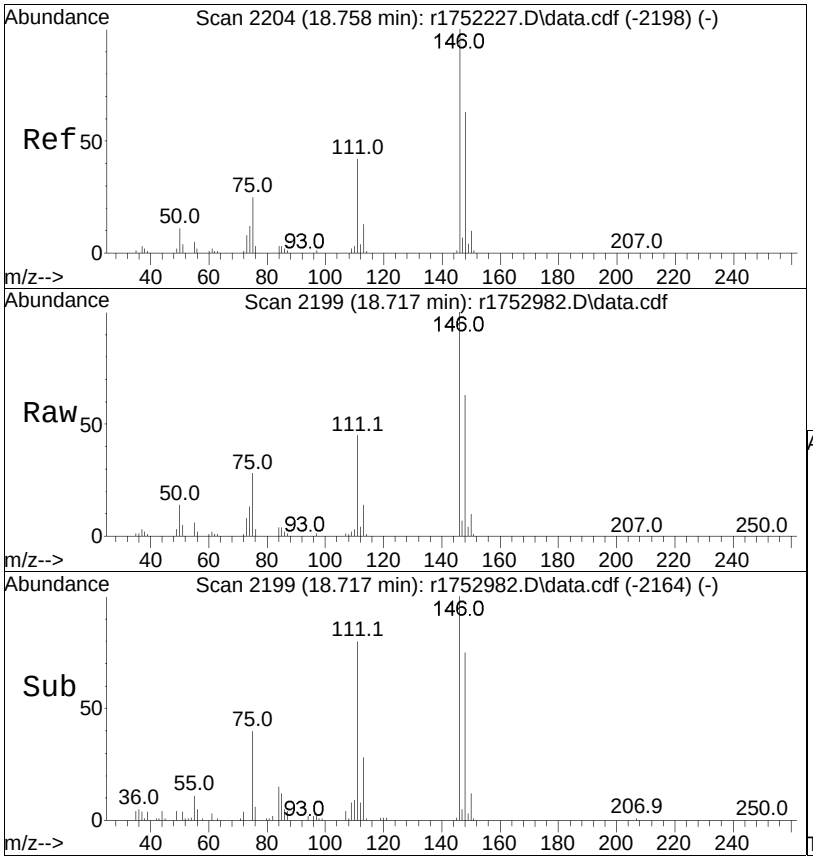


#103
1,4-dichlorobenzene
Concen: 11.33 ppbV
RT: 18.433 min Scan# 2165
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:146 Resp: 710841

Ion	Ratio	Lower	Upper
146	100		
111	44.2	31.8	47.6
75	30.7	21.0	31.6

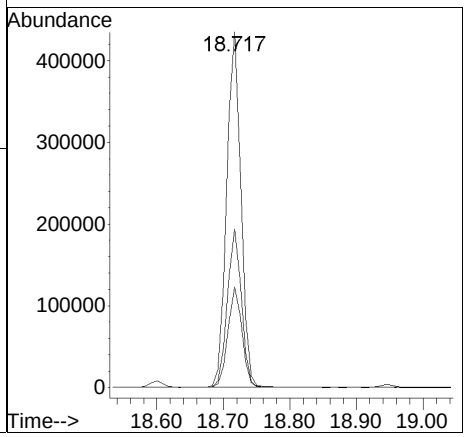


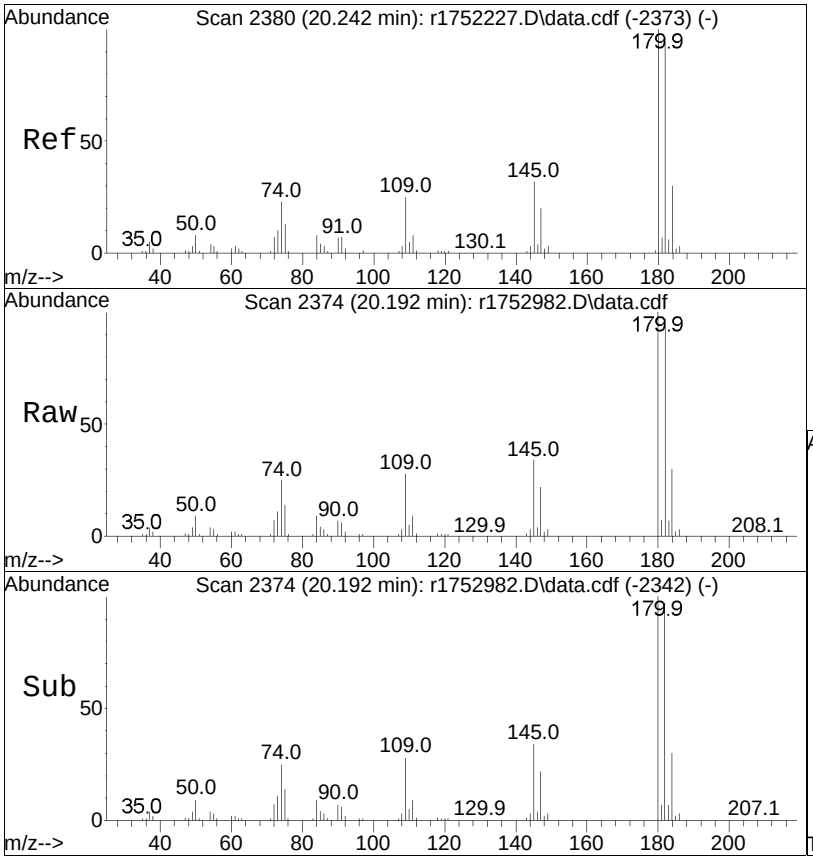


#107
1,2-dichlorobenzene
Concen: 10.15 ppbV
RT: 18.717 min Scan# 2199
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:146 Resp: 647945

Ion	Ratio	Lower	Upper
146	100		
111	44.6	33.3	49.9
75	28.2	19.9	29.9

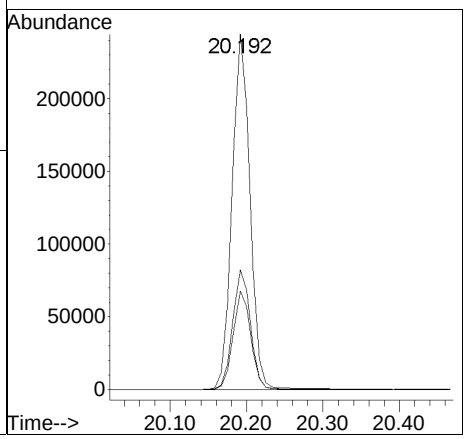


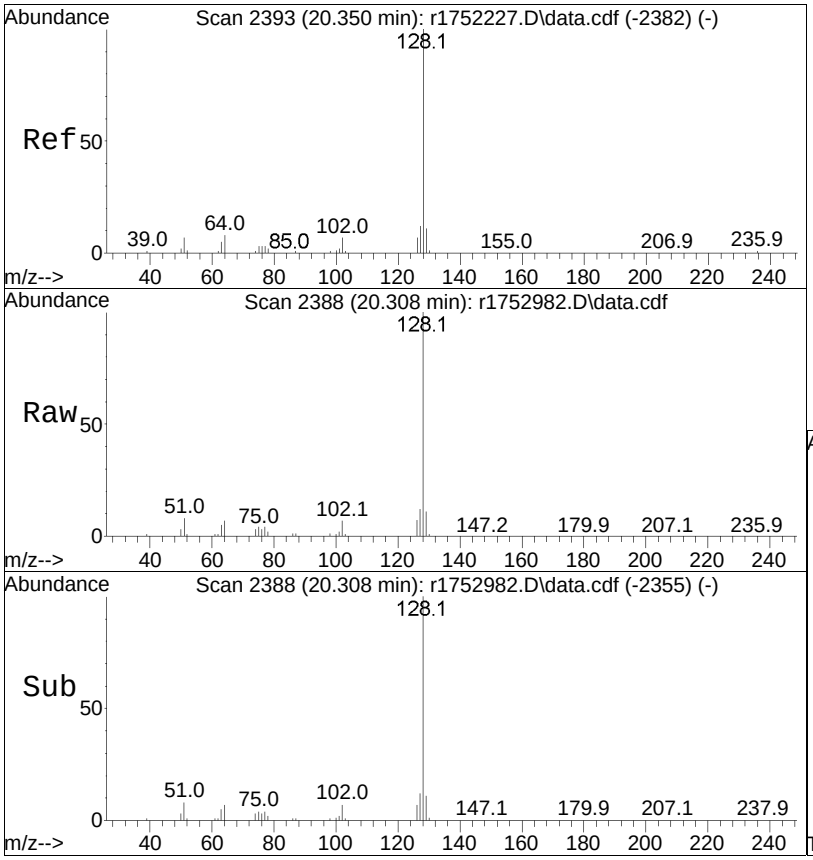


#115
1,2,4-trichlorobenzene
Concen: 10.25 ppbV
RT: 20.192 min Scan# 2374
Delta R.T. -0.050 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:180 Resp: 398220

Ion	Ratio	Lower	Upper
180	100		
145	33.6	25.3	37.9
109	27.7	20.2	30.2

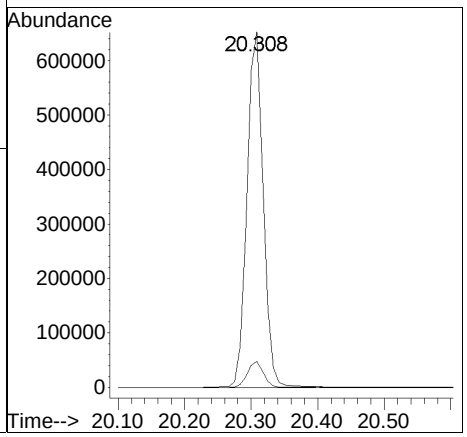


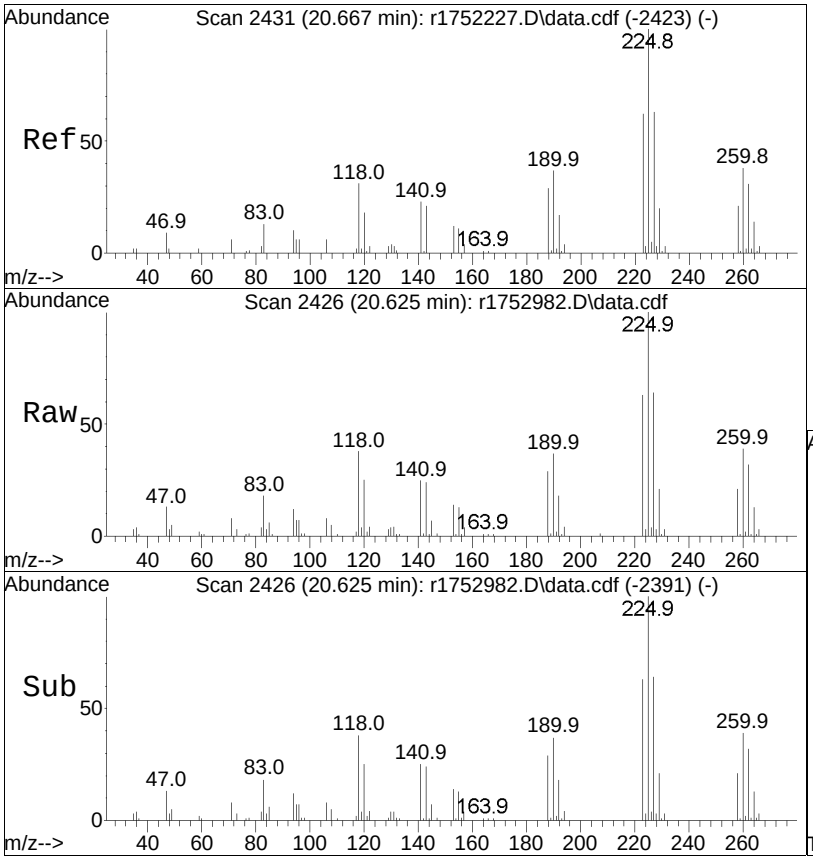


#116
naphthalene
Concen: 8.37 ppbV
RT: 20.308 min Scan# 2388
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:128 Resp: 1113493

Ion	Ratio	Lower	Upper
128	100		
102	7.3	5.8	8.6

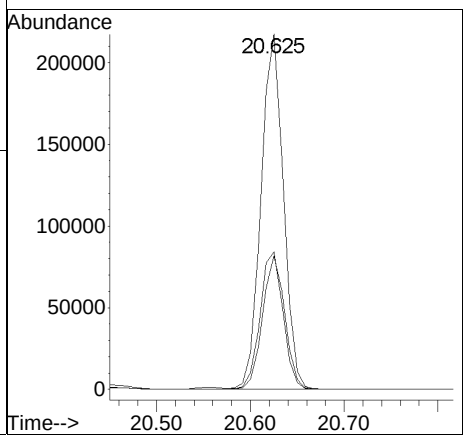




#119
hexachlorobutadiene
Concen: 10.74 ppbV
RT: 20.625 min Scan# 2426
Delta R.T. -0.042 min
Lab File: r1752982.D
Acq: 18 Dec 2025 1:31 PM

Tgt Ion:225 Resp: 361312

Ion	Ratio	Lower	Upper
225	100		
260	38.7	30.6	46.0
118	37.6	25.1	37.7

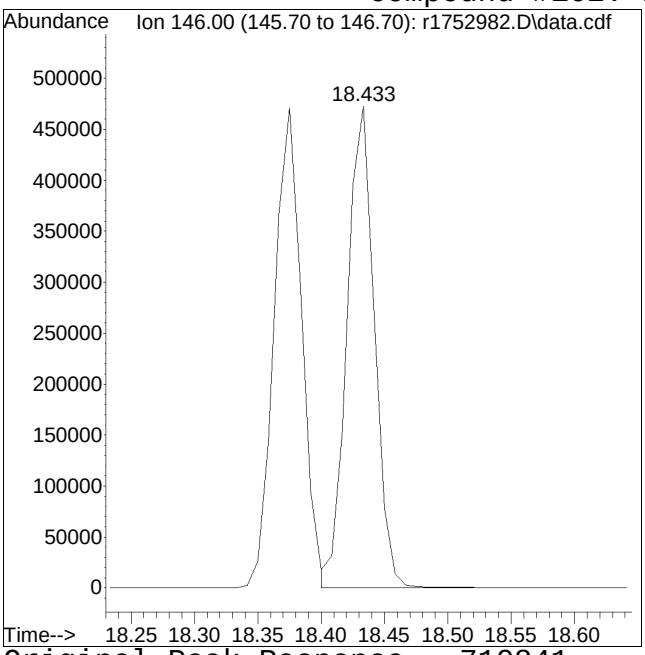


Manual Integration Report

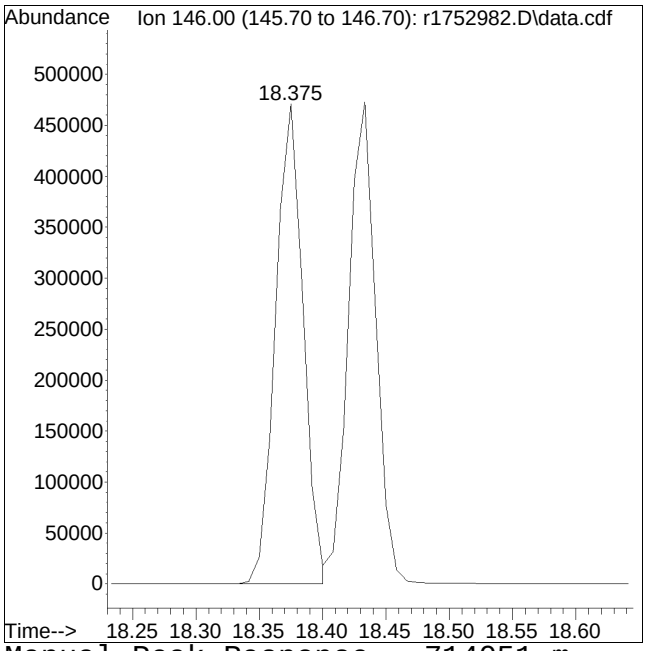
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752982.D
Date Inj'd : 12/18/2025 1:31 PM
Sample : WG2155823-3,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/18/2025 1:18 pm

Compound #102: 1,3-dichlorobenzene



Original Peak Response = 710841



Manual Peak Response = 714051 m

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	132	-0.04
2		chlorodifluoromethane	10.000	9.504	5.0	126	-0.04
3		propylene	10.000	8.650	13.5	125	-0.03
4		propane	10.000	9.420	5.8	127	-0.04
5		dichlorodifluoromethane	10.000	10.097	-1.0	132	-0.04
6	C	chloromethane	10.000	9.215	7.9	120	-0.04
7		Freon-114	10.000	10.322	-3.2	134	-0.04
8	C	methanol	50.000	35.049	29.9	97	-0.04
9	C	vinyl chloride	10.000	8.633	13.7	112	-0.04
10	C	1,3-butadiene	10.000	9.416	5.8	126	-0.04
11		butane	10.000	8.022	19.8	110	-0.04
13	C	bromomethane	10.000	9.174	8.3	123	-0.05
14	C	chloroethane	10.000	8.358	16.4	111	-0.04
15		ethanol	50.000	38.847	22.3	97	-0.05
16		dichlorofluoromethane	10.000	9.010	9.9	137	-0.05
17	C	vinyl bromide	10.000	8.249	17.5	109	-0.05
18	C	acrolein	10.000	7.391	26.1	98	-0.04
19		acetone	50.000	43.627	12.7	116	-0.05
20	C	acetonitrile	10.000	8.450	15.5	102	-0.05
21		trichlorofluoromethane	10.000	9.705	2.9	127	-0.05
22		isopropyl alcohol	25.000	18.824	24.7	103	-0.05
23	C	acrylonitrile	10.000	7.982	20.2	106	-0.04
24		pentane	10.000	7.065	29.3	98	-0.05
25		ethyl ether	10.000	7.397	26.0	94	-0.05
26	C	1,1-dichloroethene	10.000	9.241	7.6	121	-0.05
27		tertiary butyl alcohol	10.000	7.061	29.4	96	-0.05
28	C	methylene chloride	10.000	10.635	-6.3	138	-0.05
29	C	3-chloropropene	10.000	9.101	9.0	122	-0.05
30	C	carbon disulfide	10.000	9.731	2.7	127	-0.05
31		Freon 113	10.000	9.705	2.9	129	-0.04
32		trans-1,2-dichloroethene	10.000	8.691	13.1	115	-0.04
33	C	1,1-dichloroethane	10.000	9.078	9.2	119	-0.05
34	C	MTBE	10.000	9.422	5.8	124	-0.05
35	C	vinyl acetate	10.000	5.906	40.9#	83	-0.04
36	C	2-butanone	10.000	9.069	9.3	116	-0.04
37		cis-1,2-dichloroethene	10.000	9.034	9.7	118	-0.04
38		Ethyl Acetate	10.000	8.911	10.9	118	-0.04
39	C	chloroform	10.000	10.200	-2.0	132	-0.05
40		Tetrahydrofuran	10.000	10.342	-3.4	136	-0.04

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
41		2,2-dichloropropane	10.000	9.284	7.2	122	-0.04
42	C	1,2-dichloroethane	10.000	9.413	5.9	123	-0.04
43	I	1,4-difluorobenzene	10.000	10.000	0.0	119	-0.03
44	C	hexane	10.000	9.496	5.0	115	-0.05
45		diisopropyl ether	10.000	8.699	13.0	105	-0.04
46		tert-butyl ethyl ether	10.000	8.347	16.5	100	-0.04
48	C	1,1,1-trichloroethane	10.000	9.725	2.8	121	-0.04
49		1,1-dichloropropene	10.000	10.665	-6.6	127	-0.04
50	C	benzene	10.000	11.103	-11.0	130	-0.04
52	C	carbon tetrachloride	10.000	11.776	-17.8	135	-0.04
53		cyclohexane	10.000	9.707	2.9	116	-0.04
54		tert-amyl methyl ether	10.000	9.631	3.7	115	-0.03
55		dibromomethane	10.000	9.127	8.7	110	-0.03
56	C	1,2-dichloropropane	10.000	10.076	-0.8	120	-0.03
57		bromodichloromethane	10.000	11.392	-13.9	132	-0.03
58	C	1,4-dioxane	10.000	9.757	2.4	119	-0.03
59	C	trichloroethene	10.000	10.235	-2.3	123	-0.03
60	C	2,2,4-trimethylpentane	10.000	10.111	-1.1	122	-0.03
61		methyl methacrylate	10.000	9.748	2.5	115	-0.03
62		heptane	10.000	11.499	-15.0	137	-0.03
63	C	cis-1,3-dichloropropene	10.000	12.287	-22.9	141	-0.03
64	C	4-methyl-2-pentanone	10.000	11.401	-14.0	134	-0.03
65		trans-1,3-dichloropropene	10.000	13.570	-35.7#	154	-0.03
66	C	1,1,2-trichloroethane	10.000	10.721	-7.2	125	-0.02
67	I	chlorobenzene-D5	10.000	10.000	0.0	124	-0.02
68	C	toluene	10.000	9.967	0.3	120	-0.03
71		1,3-dichloropropane	10.000	10.022	-0.2	120	-0.03
72		2-hexanone	10.000	10.881	-8.8	130	-0.03
74		dibromochloromethane	10.000	10.632	-6.3	125	-0.03
75	C	1,2-dibromoethane	10.000	11.719	-17.2	140	-0.03
76		butyl acetate	10.000	9.686	3.1	118	-0.03
77		octane	10.000	9.239	7.6	112	-0.02
78	C	tetrachloroethene	10.000	9.752	2.5	118	-0.03
79		1,1,1,2-tetrachloroethane	10.000	9.162	8.4	111	-0.02
80	C	chlorobenzene	10.000	10.856	-8.6	131	-0.02
81	C	ethylbenzene	10.000	10.102	-1.0	119	-0.02
83	C	m+p-xylene	20.000	21.237	-6.2	125	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
84	C	bromoform	10.000	11.371	-13.7	134	-0.02
85	C	styrene	10.000	11.604	-16.0	138	-0.02
86	C	1,1,2,2-tetrachloroethane	10.000	11.622	-16.2	137	-0.02
87	C	o-xylene	10.000	10.751	-7.5	126	-0.02
88		1,2,3-trichloropropane	10.000	10.455	-4.6	126	-0.03
89		nonane	10.000	10.431	-4.3	127	-0.02
91	C	isopropylbenzene	10.000	9.974	0.3	121	-0.02
92		bromobenzene	10.000	10.230	-2.3	125	-0.02
93		2-chlorotoluene	10.000	9.344	6.6	113	-0.02
94		n-propylbenzene	10.000	9.434	5.7	116	-0.02
95		4-chlorotoluene	10.000	8.795	12.1	110	-0.02
96		4-ethyl toluene	10.000	10.438	-4.4	128	-0.02
97		1,3,5-trimethylbenzene	10.000	11.551	-15.5	142	-0.02
98		tert-butylbenzene	10.000	9.666	3.3	119	-0.02
99		1,2,4-trimethylbenzene	10.000	10.995	-9.9	137	0.00
100		decane	10.000	9.342	6.6	112	0.00
101	C	Benzyl Chloride	10.000	7.832	21.7	90	-0.02
102		1,3-dichlorobenzene	10.000	11.486	-14.9	136	0.00
103	C	1,4-dichlorobenzene	10.000	11.207	-12.1	137	-0.02
104		sec-butylbenzene	10.000	9.586	4.1	117	-0.02
106		p-isopropyltoluene	10.000	9.063	9.4	110	-0.02
107		1,2-dichlorobenzene	10.000	9.876	1.2	113	0.00
108		n-butylbenzene	10.000	9.627	3.7	115	-0.02
111	C	1,2-dibromo-3-chloropropane	10.000	9.655	3.5	113	0.00
112		undecane	10.000	9.185	8.1	107	-0.02
114		dodecane	10.000	8.790	12.1	99	0.00
115	C	1,2,4-trichlorobenzene	10.000	11.350	-13.5	122	0.00
116		naphthalene	10.000	7.770	22.3	95	-0.02
117		1,2,3-trichlorobenzene	10.000	9.385	6.2	102	0.00
119	C	hexachlorobutadiene	10.000	10.661	-6.6	117	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.250	49	498073	10.000	ppbV	-0.04
Standard Area = 486961			Recovery = 102.28%			
43) 1,4-difluorobenzene	11.503	114	926938	10.000	ppbV	-0.03
Standard Area = 916541			Recovery = 101.13%			
67) chlorobenzene-D5	16.183	54	217082	10.000	ppbV	-0.02
Standard Area = 216453			Recovery = 100.29%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	4.030	85	629642	10.097	ppbV	99
6) chloromethane	4.198	50	309635	9.215	ppbV	100
7) Freon-114	4.312	85	712247	10.322	ppbV	90
9) vinyl chloride	4.432	62	338711	8.633	ppbV	99
10) 1,3-butadiene	4.582	54	294353	9.416	ppbV	89
13) bromomethane	4.870	94	242126	9.174	ppbV	98
14) chloroethane	5.068	64	157613	8.358	ppbV	99
15) ethanol	5.224	31	1592506	38.847	ppbV	97
17) vinyl bromide	5.453	106	198465	8.249	ppbV	99
19) acetone	5.737	43	2152941	43.627	ppbV	98
21) trichlorofluoromethane	5.927	101	528243	9.705	ppbV	99
22) isopropyl alcohol	6.037	45	1183255	18.824	ppbV	98
26) 1,1-dichloroethene	6.642	61	481738	9.241	ppbV	98
27) tertiary butyl alcohol	6.708	59	529685	7.061	ppbV #	86
28) methylene chloride	6.792	49	440791	10.635	ppbV	93
29) 3-chloropropene	6.924	41	475804	9.101	ppbV	98
30) carbon disulfide	7.098	76	782973	9.731	ppbV	100
31) Freon 113	7.098	101	503587	9.705	ppbV	96
32) trans-1,2-dichloroethene	7.867	61	415050	8.691	ppbV	99
33) 1,1-dichloroethane	8.092	63	560532	9.078	ppbV	98
34) MTBE	8.158	73	735602	9.422	ppbV	95
36) 2-butanone	8.550	43	726750	9.069	ppbV	98
37) cis-1,2-dichloroethene	9.058	61	434701	9.034	ppbV	99
38) Ethyl Acetate	9.333	61	107127	8.911	ppbV	79
39) chloroform	9.400	83	590591	10.200	ppbV	97
40) Tetrahydrofuran	9.850	42	427034	10.342	ppbV	99
42) 1,2-dichloroethane	10.250	62	403349	9.413	ppbV	97
44) hexane	9.308	57	551462	9.496	ppbV	92

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	10.542	97	467844	9.725	ppbV		96
50)	benzene	11.077	78	1036867	11.103	ppbV		98
52)	carbon tetrachloride	11.250	117	455627	11.776	ppbV		98
53)	cyclohexane	11.397	56	587998	9.707	ppbV		98
56)	1,2-dichloropropane	12.030	63	372744	10.076	ppbV		97
57)	bromodichloromethane	12.263	83	581448	11.392	ppbV		99
58)	1,4-dioxane	12.297	88	203580	9.757	ppbV		99
59)	trichloroethene	12.310	130	358687	10.235	ppbV		99
60)	2,2,4-trimethylpentane	12.357	57	1847921	10.111	ppbV		95
62)	heptane	12.670	43	776089	11.499	ppbV		91
63)	cis-1,3-dichloropropene	13.325	75	546834	12.287	ppbV		95
64)	4-methyl-2-pentanone	13.358	43	933940	11.401	ppbV		93
65)	trans-1,3-dichloropropene	13.950	75	448630	13.570	ppbV		96
66)	1,1,2-trichloroethane	14.142	97	354064	10.721	ppbV		95
68)	toluene	14.442	91	1110479	9.967	ppbV		99
72)	2-hexanone	14.717	43	843872	10.881	ppbV	#	88
74)	dibromochloromethane	14.883	129	488501	10.632	ppbV		97
75)	1,2-dibromoethane	15.125	107	549697	11.719	ppbV		96
78)	tetrachloroethene	15.575	166	386613	9.752	ppbV		96
80)	chlorobenzene	16.225	112	877366	10.856	ppbV		96
81)	ethylbenzene	16.567	91	1458472	10.102	ppbV		93
83)	m+p-xylene	16.733	91	2434577	21.237	ppbV		94
84)	bromoform	16.800	173	406424	11.371	ppbV		100
85)	styrene	17.058	104	944900	11.604	ppbV		96
86)	1,1,2,2-tetrachloroethane	17.150	83	945574	11.622	ppbV		99
87)	o-xylene	17.150	91	1247433	10.751	ppbV		94
96)	4-ethyl toluene	18.217	105	1544127	10.438	ppbV		99
97)	1,3,5-trimethylbenzene	18.275	105	1431332	11.551	ppbV		97
99)	1,2,4-trimethylbenzene	18.625	105	1452699	10.995	ppbV	#	86
101)	Benzyl Chloride	18.742	91	770613	7.832	ppbV		100
102)	1,3-dichlorobenzene	18.758	146	888650	11.486	ppbV		97
103)	1,4-dichlorobenzene	18.808	146	859491	11.207	ppbV		98
107)	1,2-dichlorobenzene	19.100	146	772629	9.876	ppbV	#	86
115)	1,2,4-trichlorobenzene	20.608	180	599567	11.350	ppbV		94
116)	naphthalene	20.725	128	1491493	7.770	ppbV		98
119)	hexachlorobutadiene	21.050	225	483743	10.661	ppbV		96

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

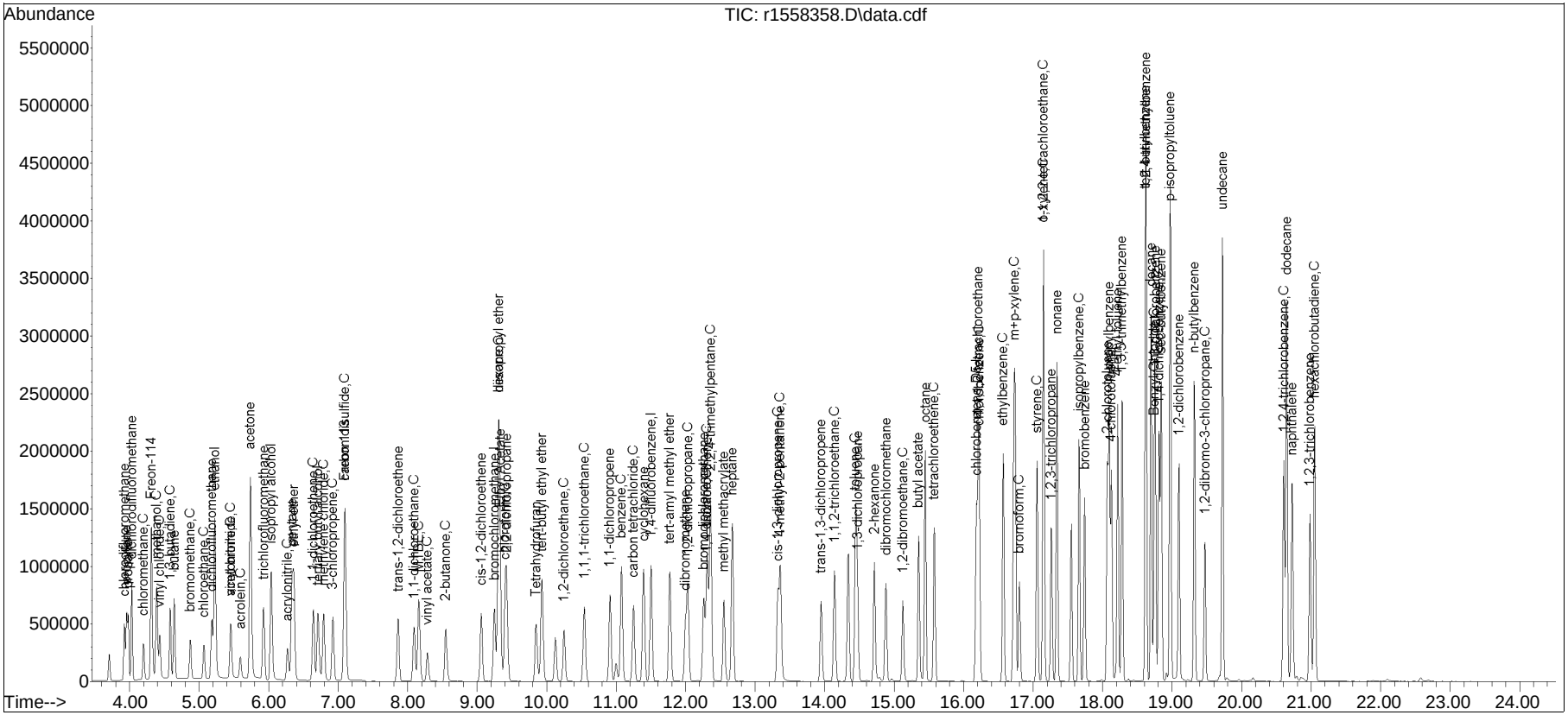
CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : Default-LCS-AP2 - All compounds listed

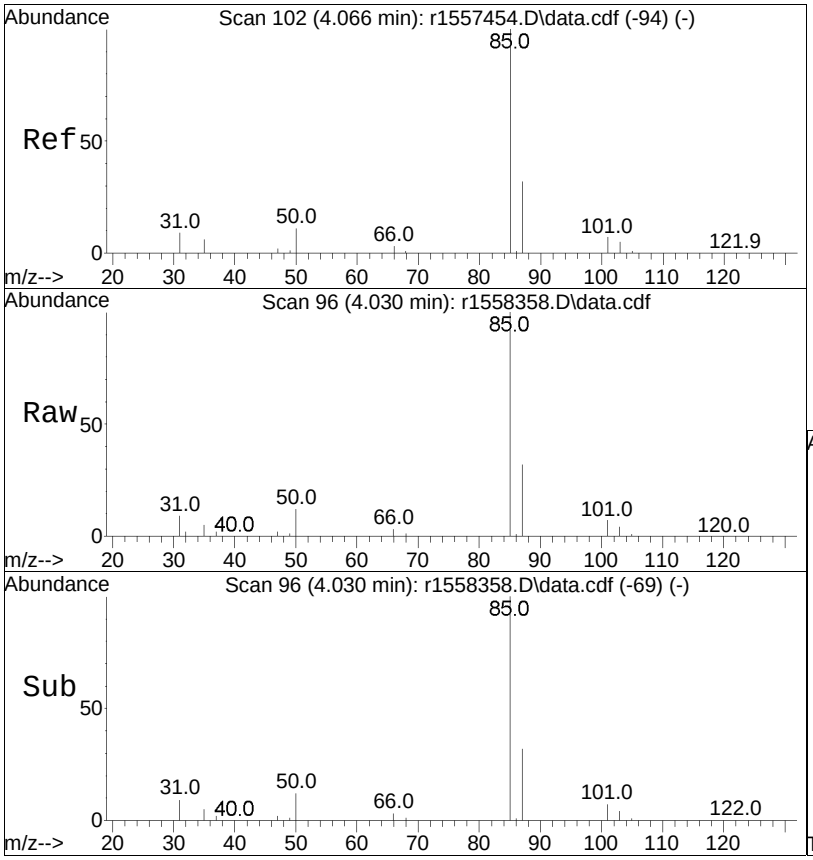
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedr1558357.D

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558358.D
Acq On : 19 Dec 2025 11:29 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-3,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 12:19:45 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

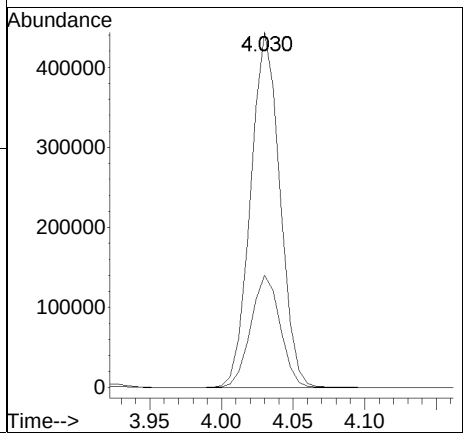


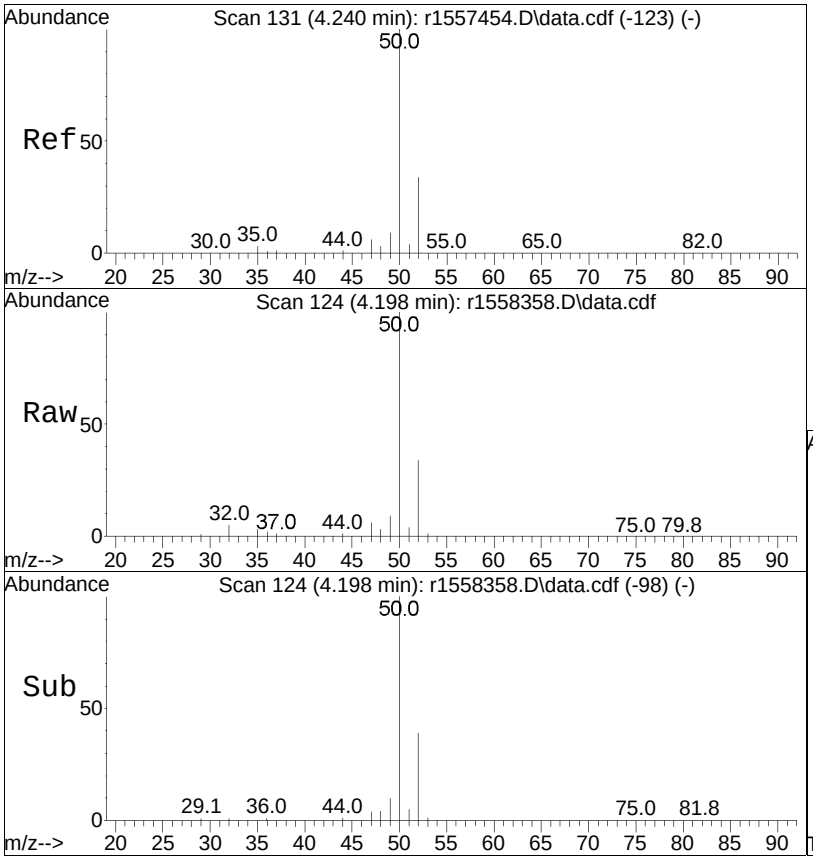


#5
dichlorodifluoromethane
Concen: 10.10 ppbV
RT: 4.030 min Scan# 96
Delta R.T. -0.036 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 85 Resp: 629642

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.7	38.5

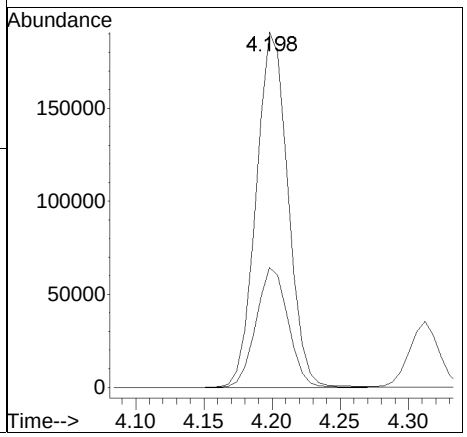


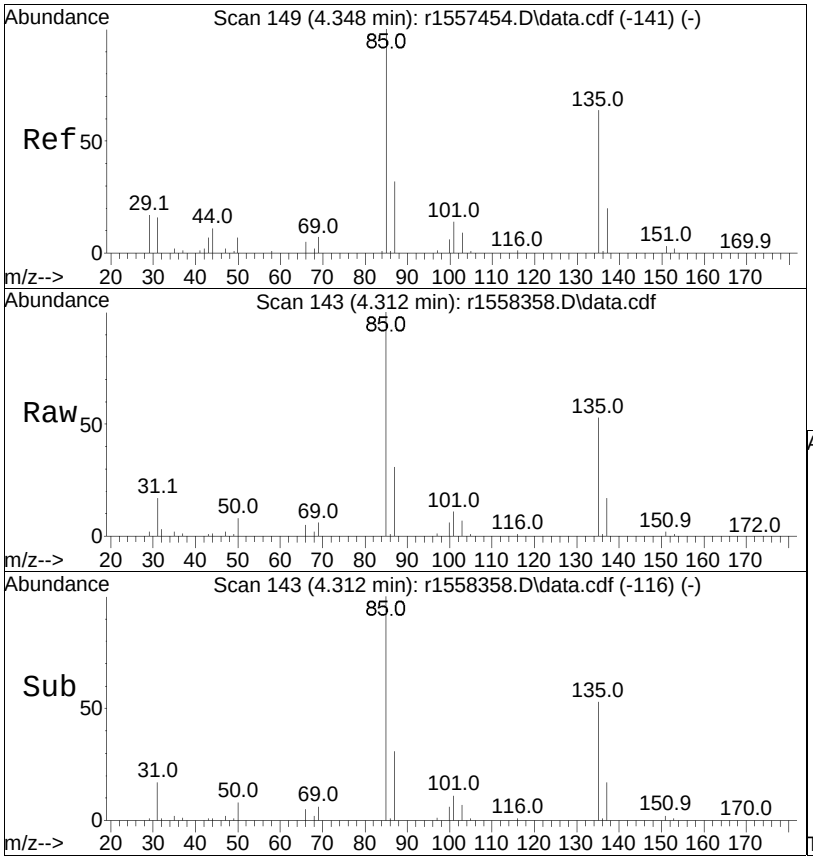


#6
chloromethane
Concen: 9.22 ppbV
RT: 4.198 min Scan# 124
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 50 Resp: 309635

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.0	40.4

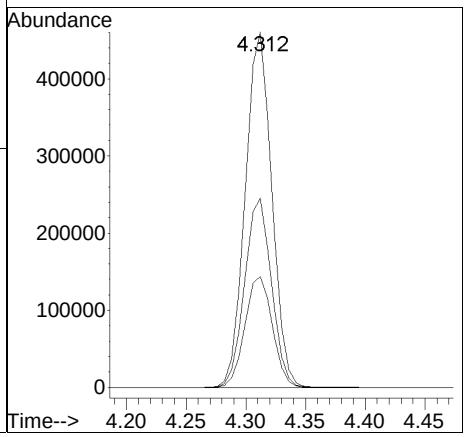


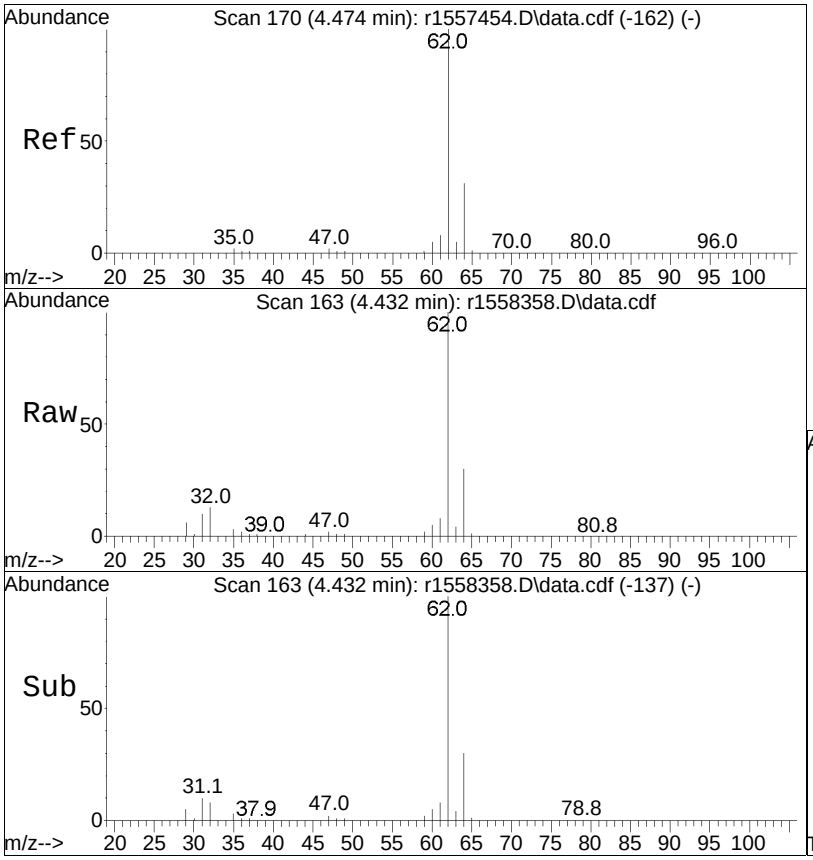


#7
Freon-114
Concen: 10.32 ppbV
RT: 4.312 min Scan# 143
Delta R.T. -0.036 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 85 Resp: 712247

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.9	38.9
135	53.3	51.3	76.9

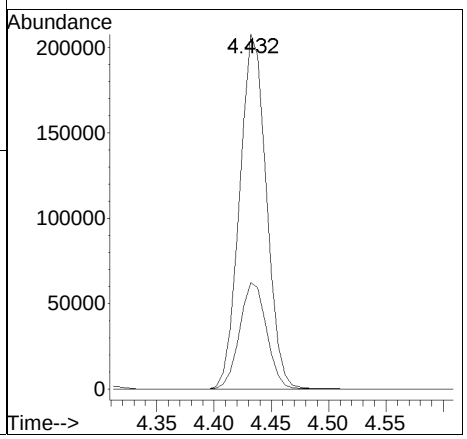


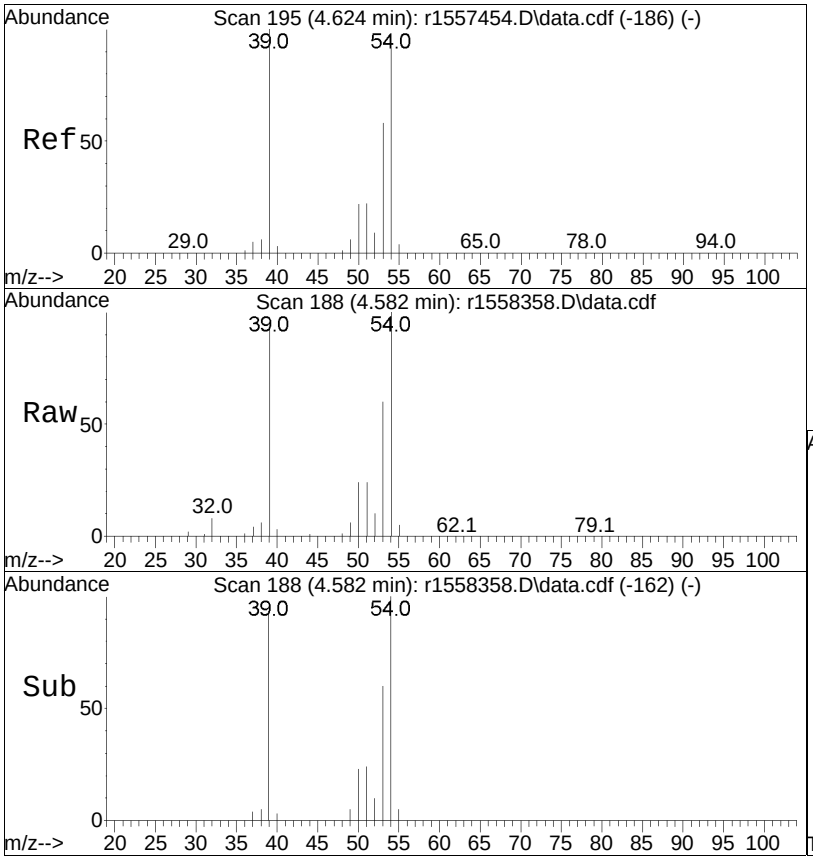


#9
vinyl chloride
Concen: 8.63 ppbV
RT: 4.432 min Scan# 163
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 62 Resp: 338711

Ion	Ratio	Lower	Upper
62	100		
64	30.1	24.6	37.0

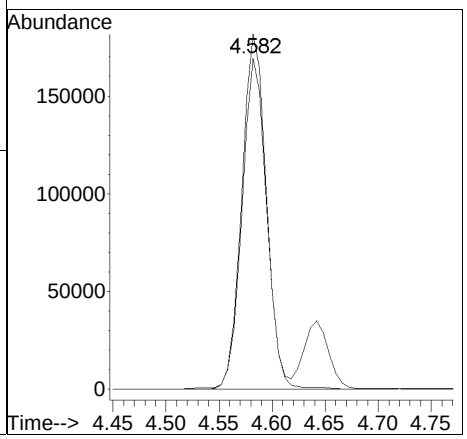


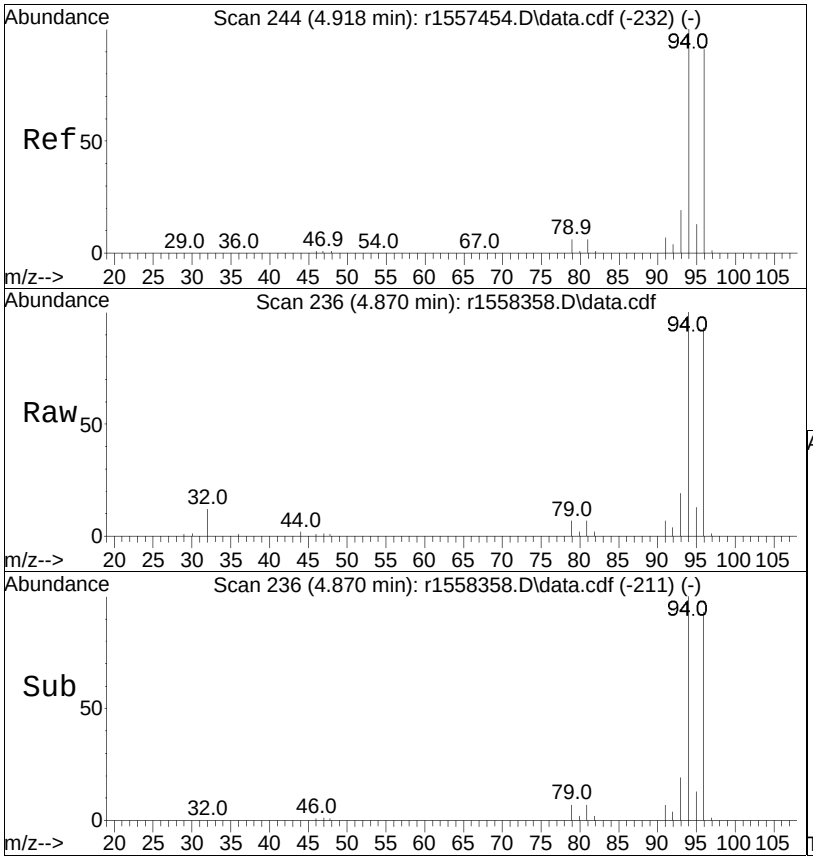


#10
1,3-butadiene
Concen: 9.42 ppbV
RT: 4.582 min Scan# 188
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 54 Resp: 294353

Ion	Ratio	Lower	Upper
54	100		
39	93.2	83.2	124.8

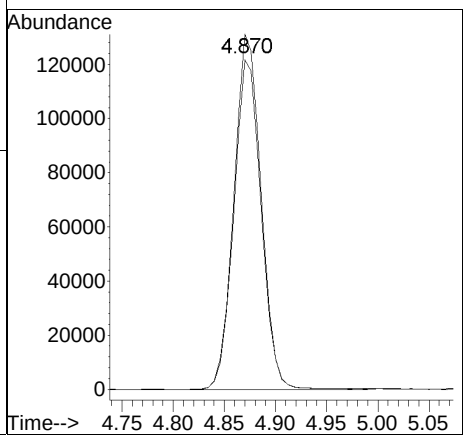


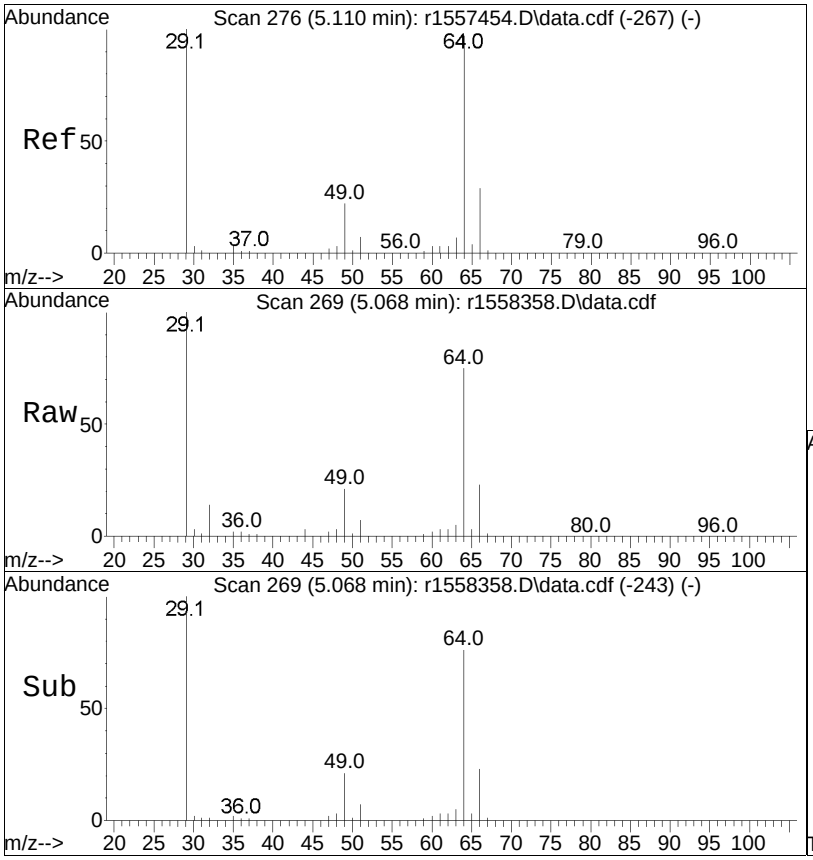


#13
bromomethane
Concen: 9.17 ppbV
RT: 4.870 min Scan# 236
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 94 Resp: 242126

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.9	109.3

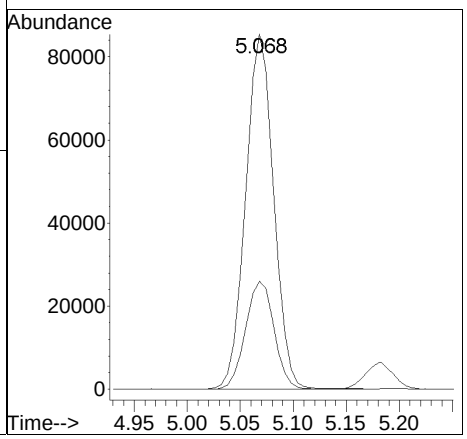


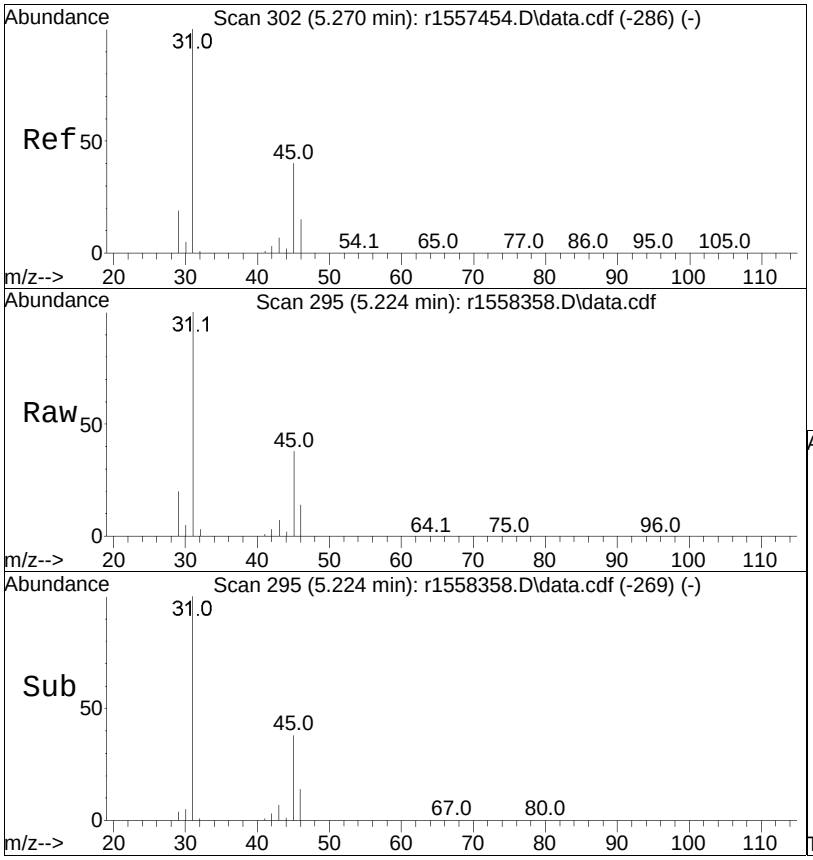


#14
chloroethane
Concen: 8.36 ppbV
RT: 5.068 min Scan# 269
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 64 Resp: 157613

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.0	36.0

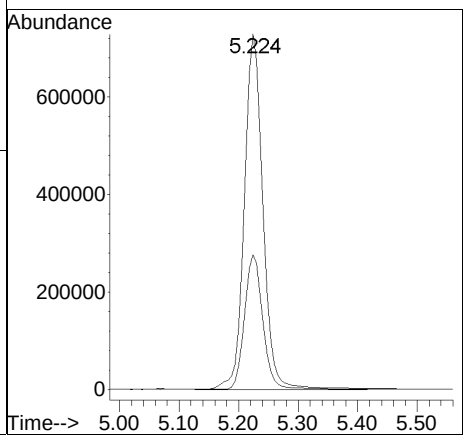


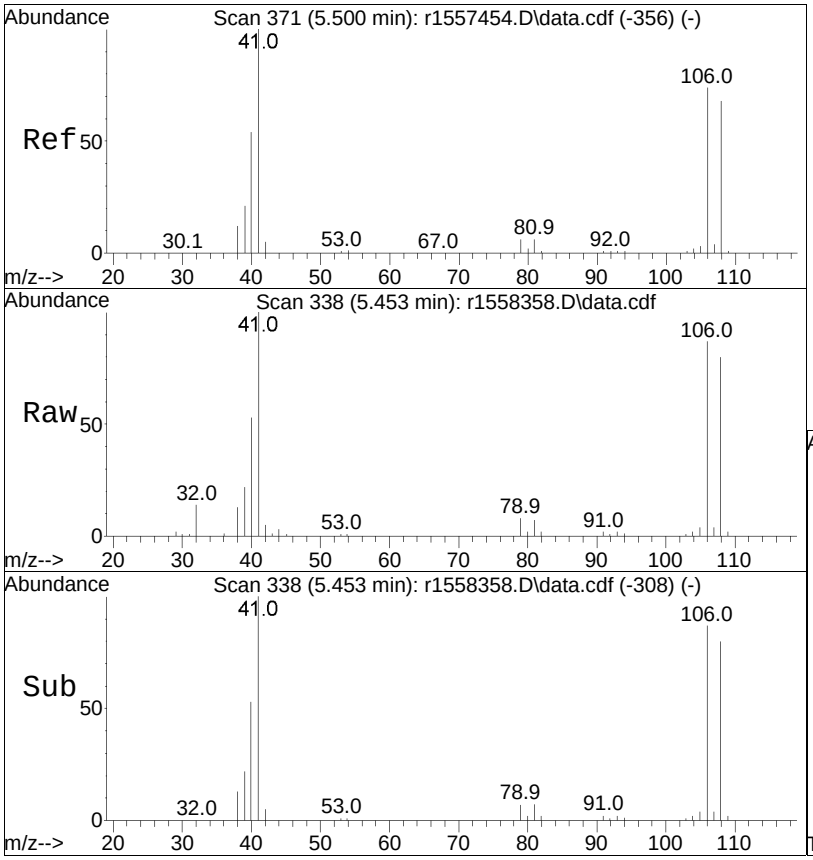


#15
ethanol
Concen: 38.85 ppbV
RT: 5.224 min Scan# 295
Delta R.T. -0.046 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 31 Resp: 1592506

Ion	Ratio	Lower	Upper
31	100		
45	37.9	32.1	48.1

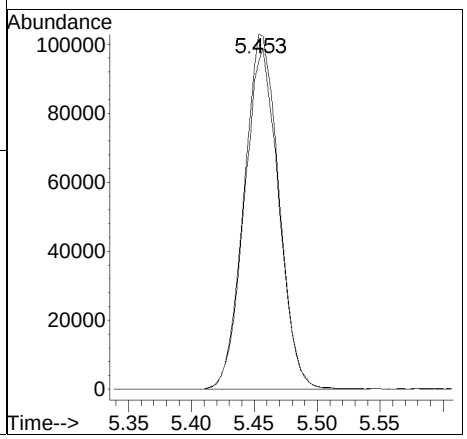


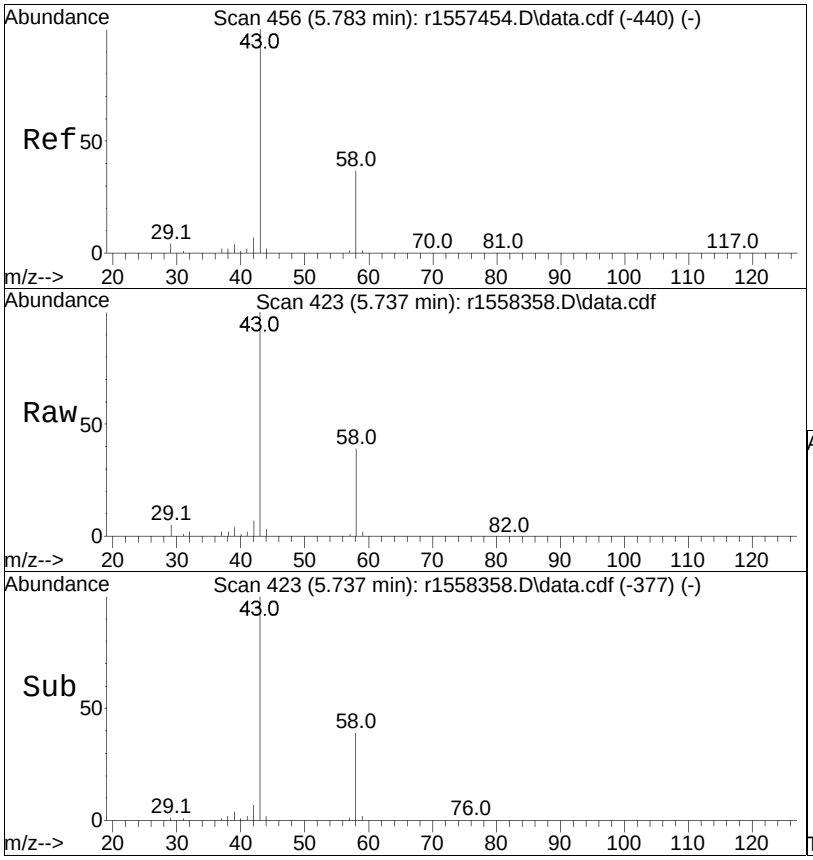


#17
vinyl bromide
Concen: 8.25 ppbV
RT: 5.453 min Scan# 338
Delta R.T. -0.047 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:106 Resp: 198465

Ion	Ratio	Lower	Upper
106	100		
108	92.2	73.3	109.9

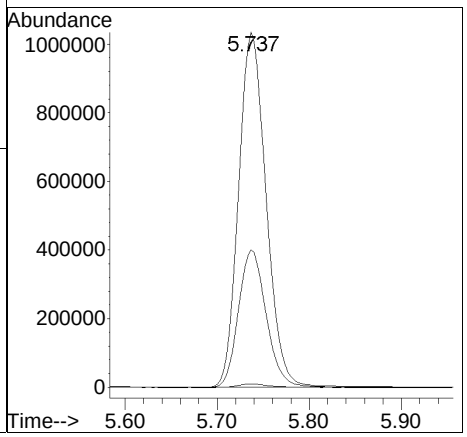


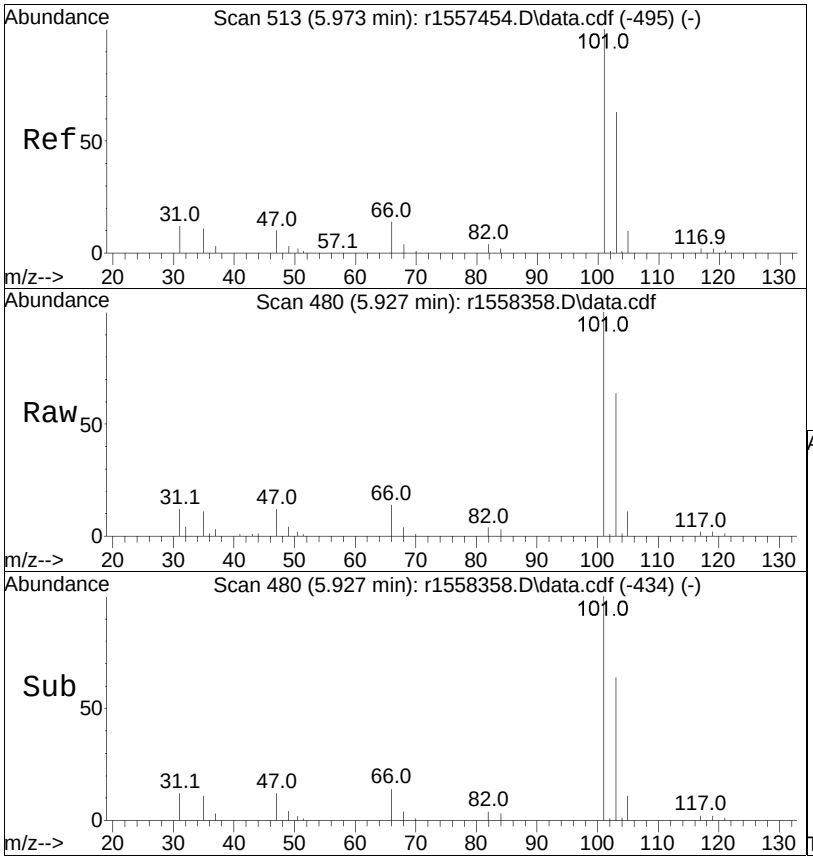


#19
acetone
Concen: 43.63 ppbV
RT: 5.737 min Scan# 423
Delta R.T. -0.047 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 43 Resp: 2152941

Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.9	44.9
57	1.0	0.8	1.2

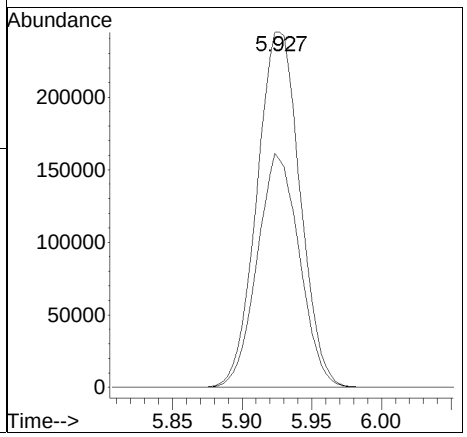


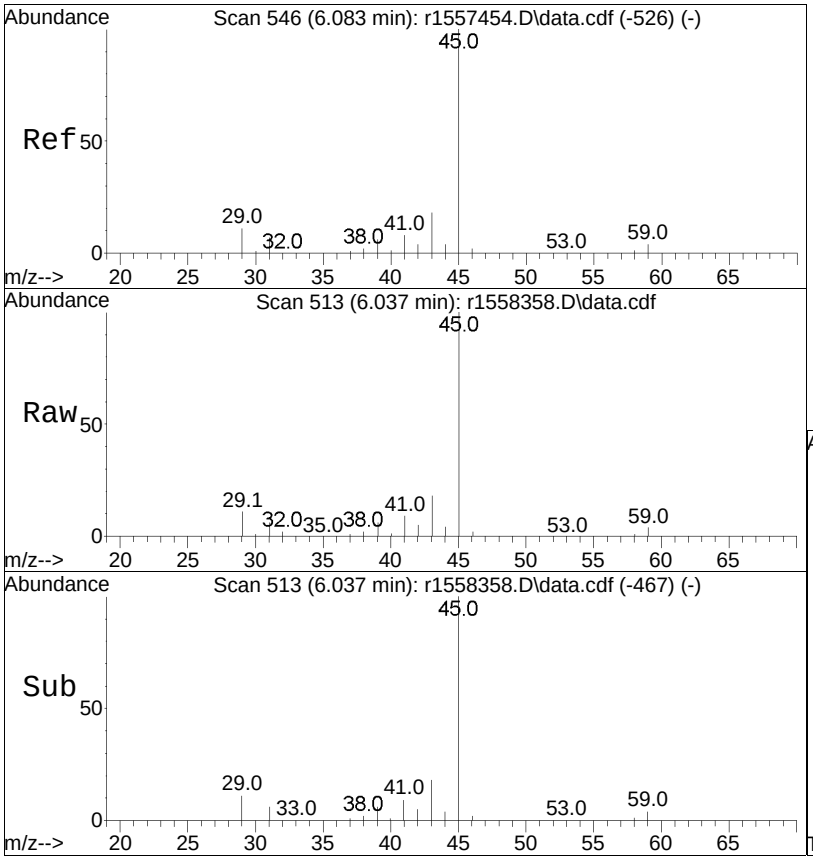


#21
trichlorofluoromethane
Concen: 9.70 ppbV
RT: 5.927 min Scan# 480
Delta R.T. -0.047 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:101 Resp: 528243

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.6	75.8

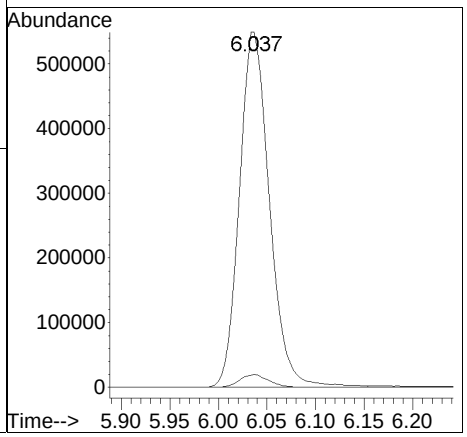


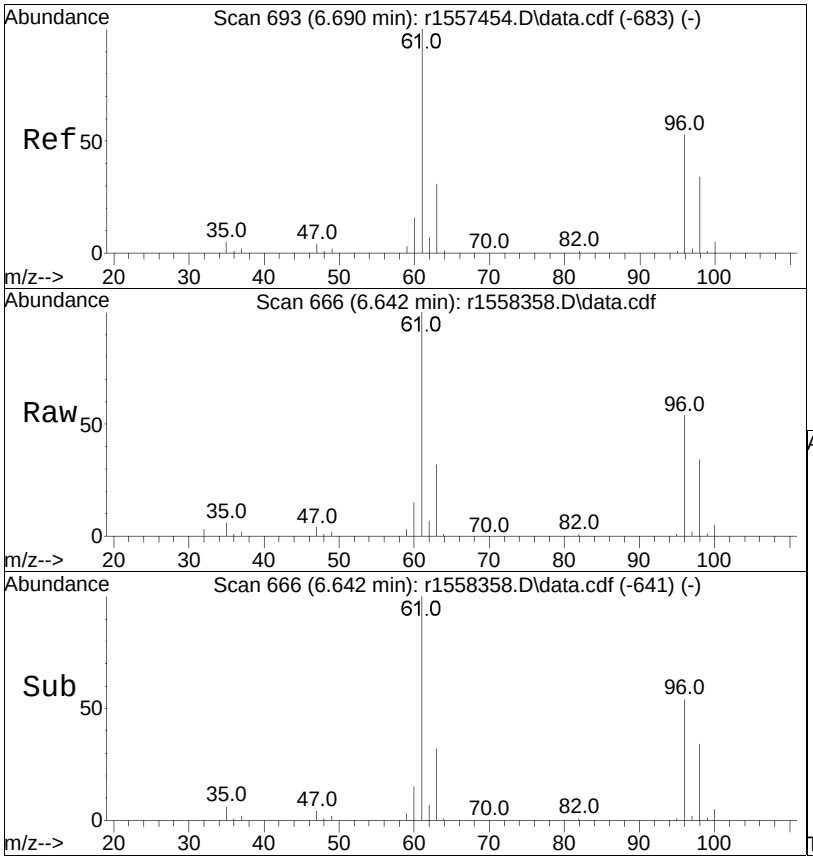


#22
isopropyl alcohol
Concen: 18.82 ppbV
RT: 6.037 min Scan# 513
Delta R.T. -0.047 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 45 Resp: 1183255

Ion	Ratio	Lower	Upper
45	100		
59	3.7	3.4	5.0

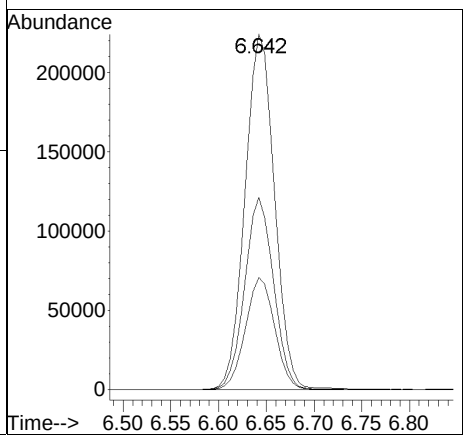


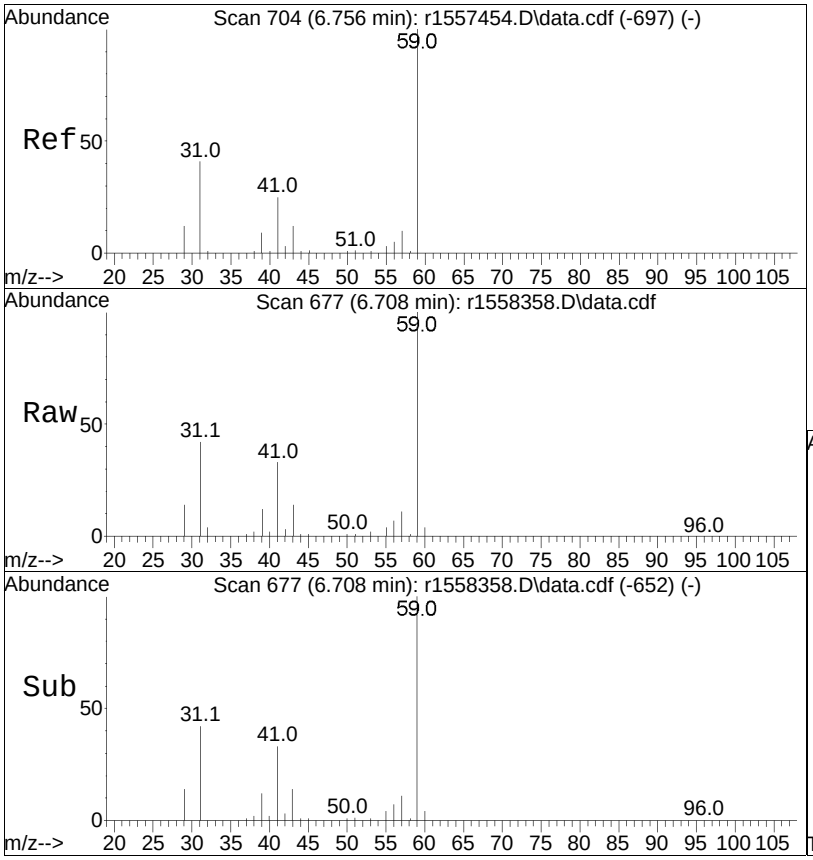


#26
1,1-dichloroethene
Concen: 9.24 ppbV
RT: 6.642 min Scan# 666
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 61 Resp: 481738

Ion	Ratio	Lower	Upper
61	100		
96	54.1	42.4	63.6
63	31.5	24.5	36.7

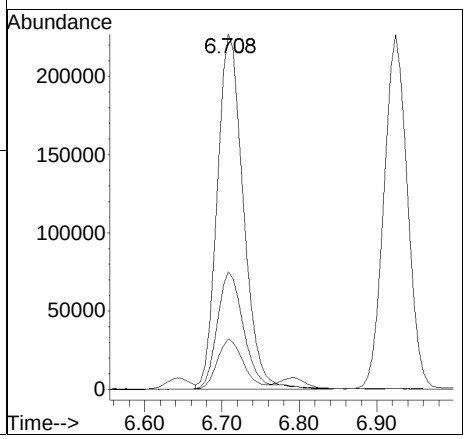


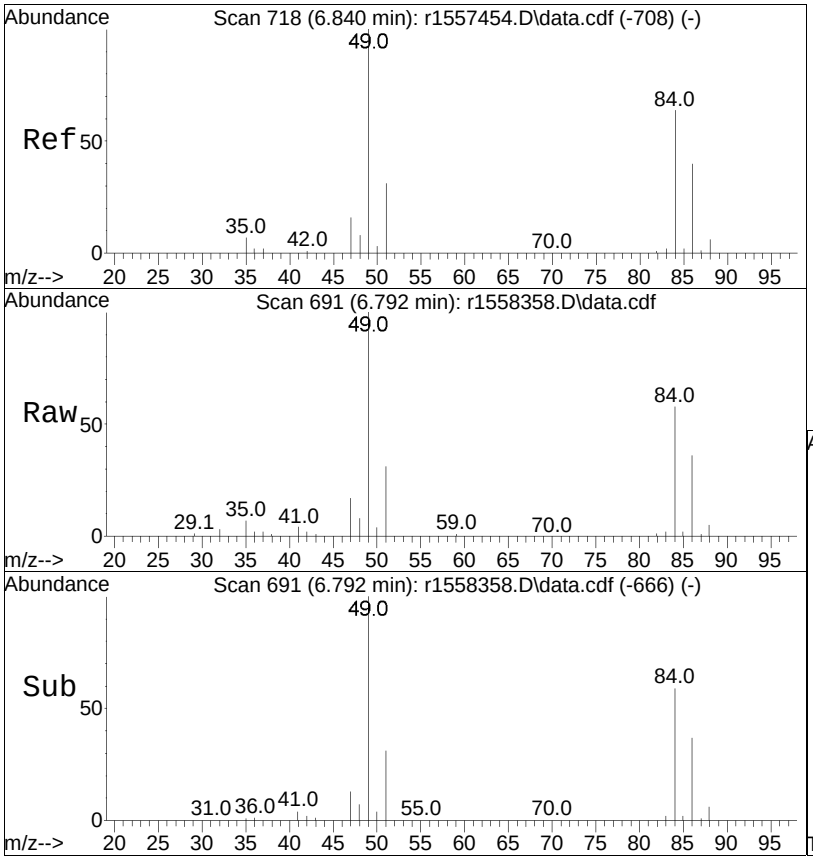


#27
tertiary butyl alcohol
Concen: 7.06 ppbV
RT: 6.708 min Scan# 677
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 59 Resp: 529685

Ion	Ratio	Lower	Upper
59	100		
41	33.1	19.8	29.6#
43	14.2	9.3	13.9#

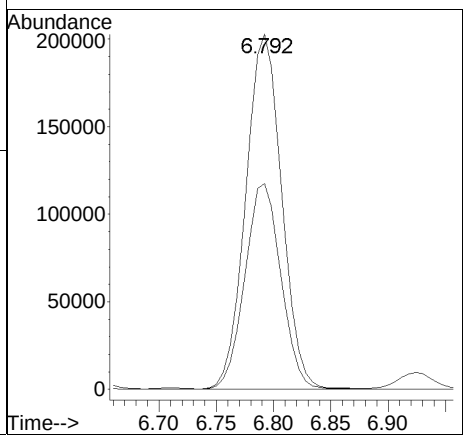


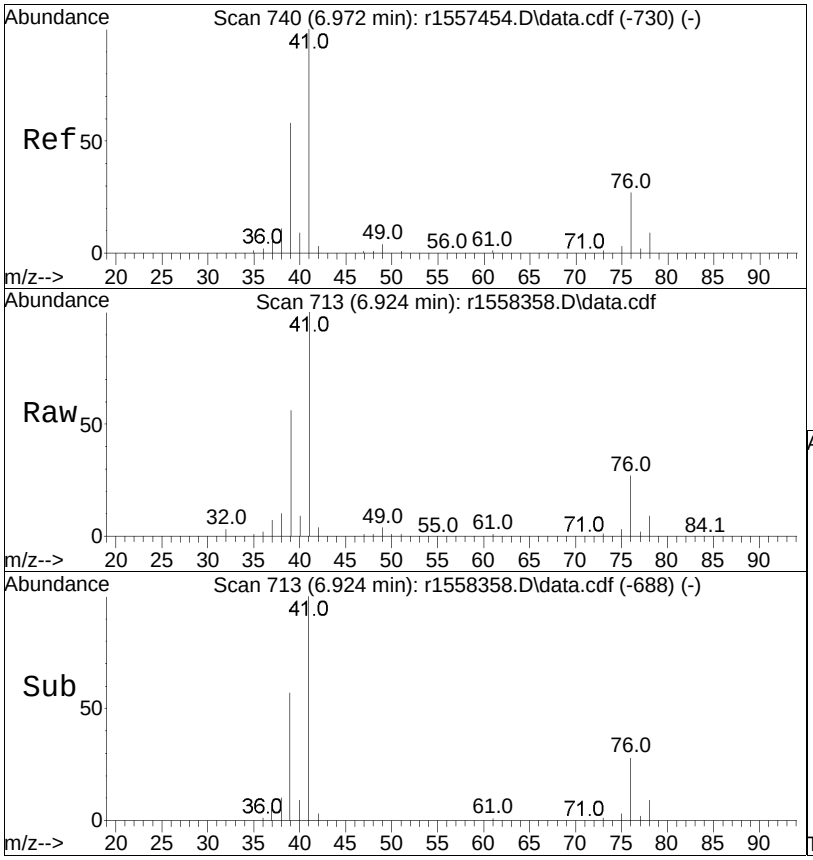


#28
methylene chloride
Concen: 10.63 ppbV
RT: 6.792 min Scan# 691
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 49 Resp: 440791

Ion	Ratio	Lower	Upper
49	100		
84	58.0	51.0	76.4

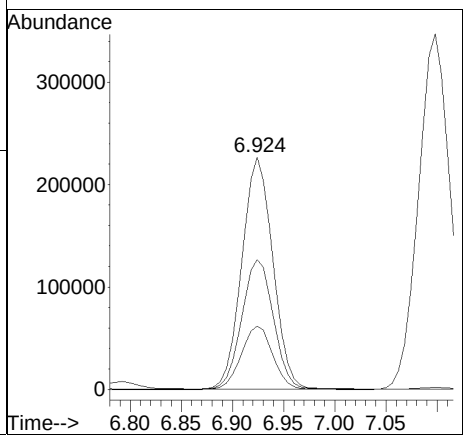


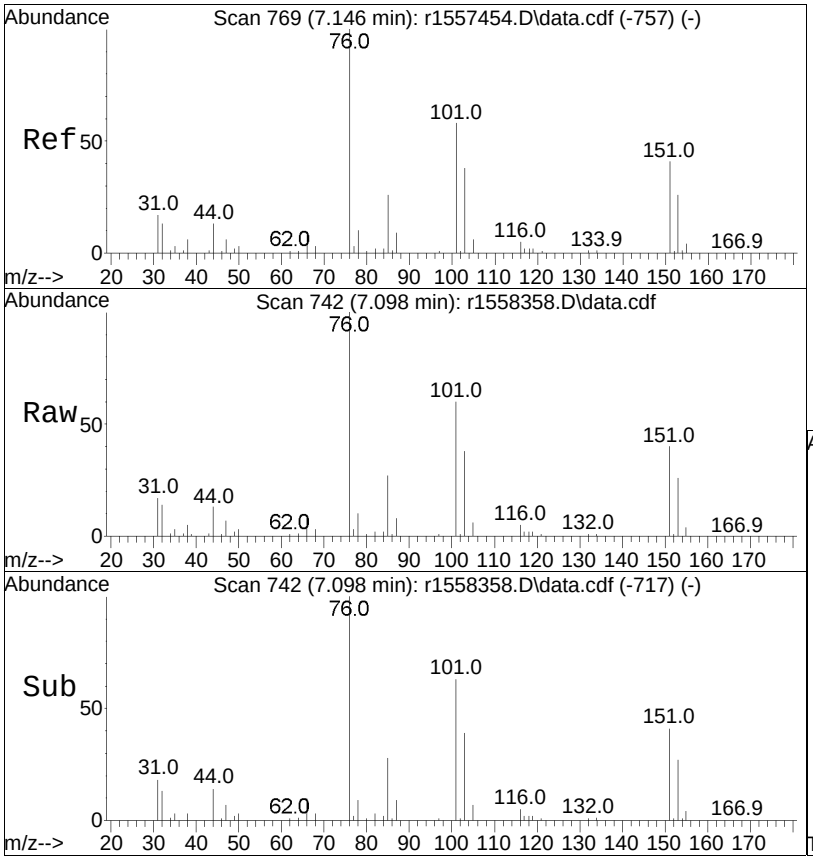


#29
3-chloropropene
Concen: 9.10 ppbV
RT: 6.924 min Scan# 713
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 41 Resp: 475804

Ion	Ratio	Lower	Upper
41	100		
39	55.9	46.1	69.1
76	27.3	21.6	32.4

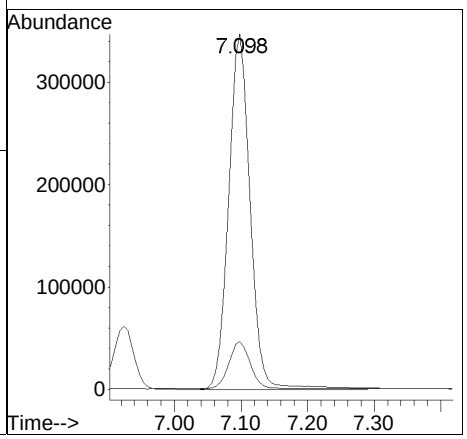


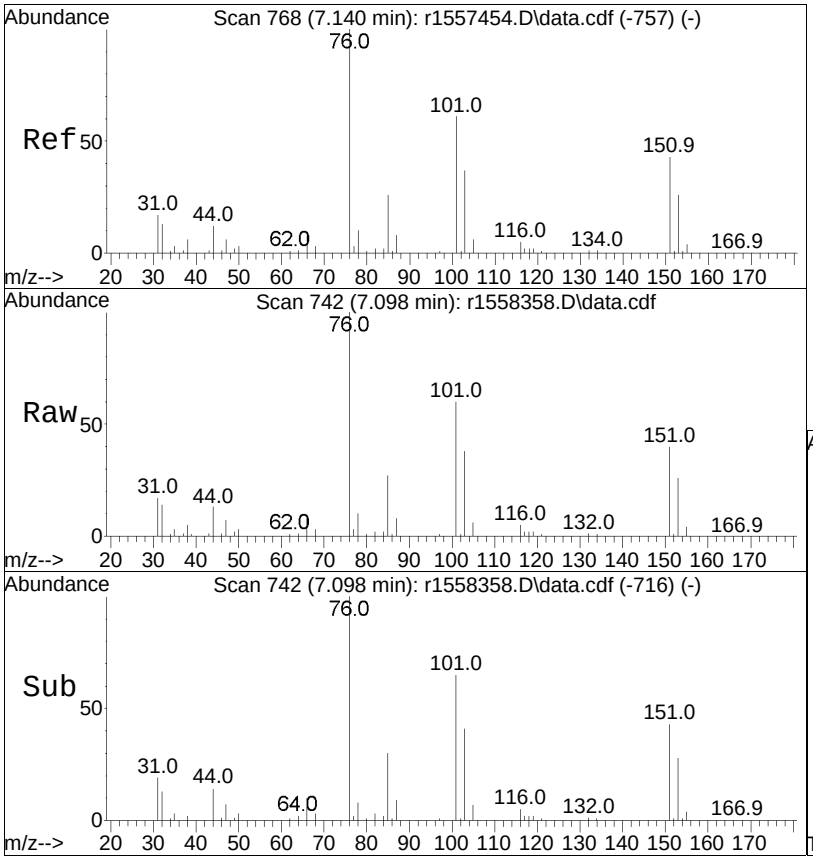


#30
carbon disulfide
Concen: 9.73 ppbV
RT: 7.098 min Scan# 742
Delta R.T. -0.048 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 76 Resp: 782973

Ion	Ratio	Lower	Upper
76	100		
44	13.5	10.7	16.1

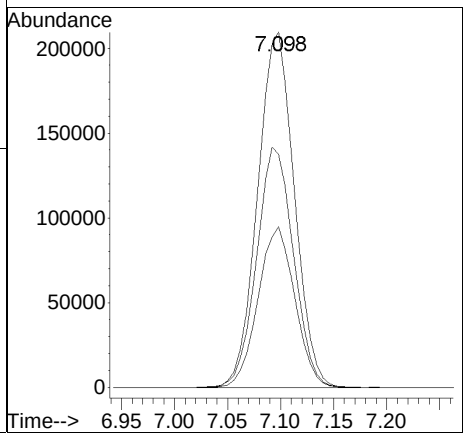


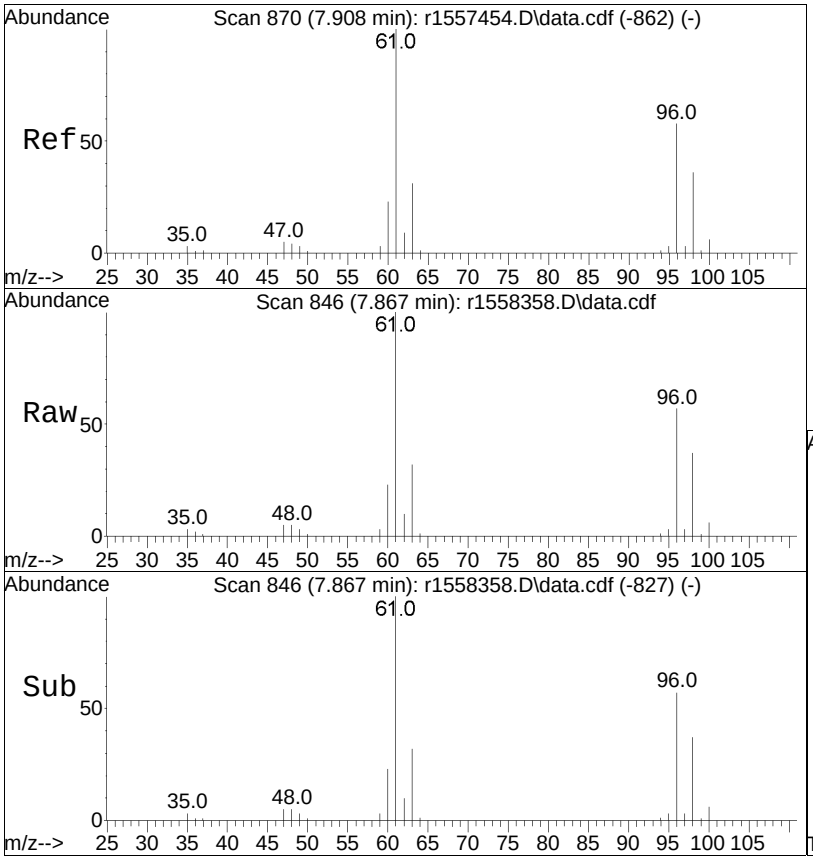


#31
Freon 113
Concen: 9.71 ppbV
RT: 7.098 min Scan# 742
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:101 Resp: 503587

Ion	Ratio	Lower	Upper
101	100		
85	45.2	34.5	51.7
151	65.6	55.8	83.6

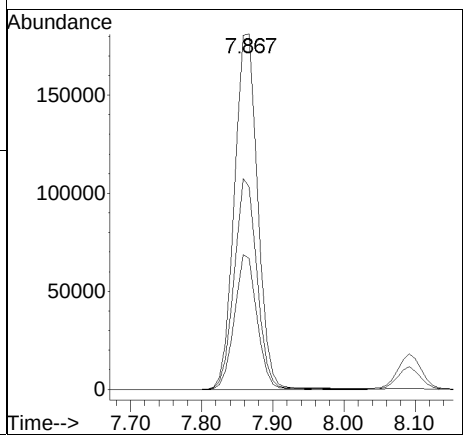


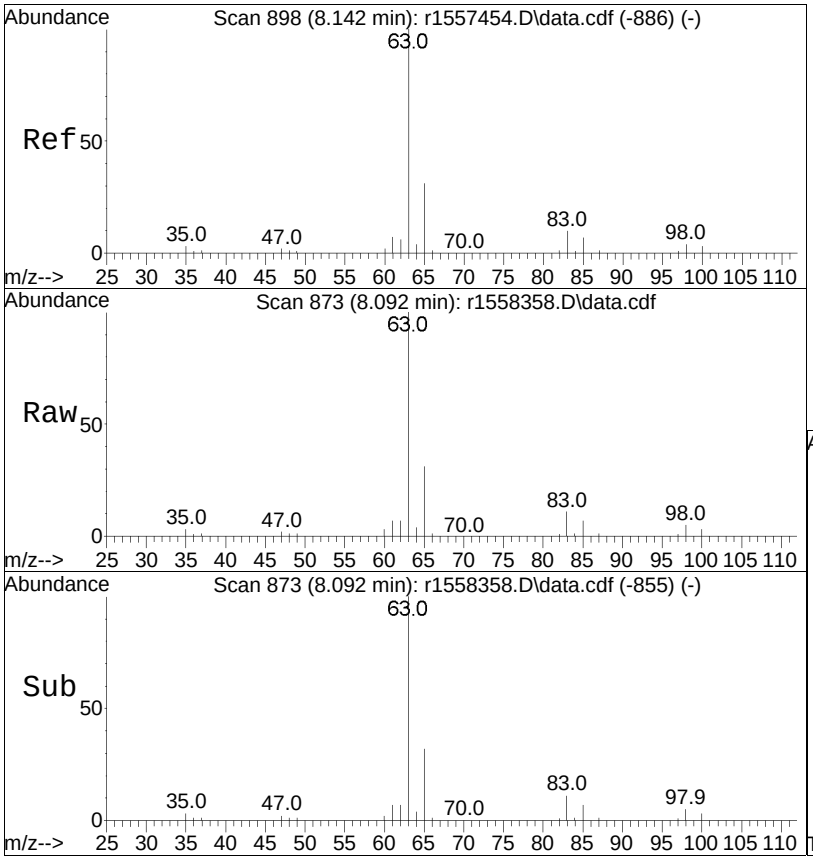


#32
trans-1,2-dichloroethene
Concen: 8.69 ppbV
RT: 7.867 min Scan# 846
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 61 Resp: 415050

Ion	Ratio	Lower	Upper
61	100		
96	57.0	46.4	69.6
98	36.8	29.2	43.8

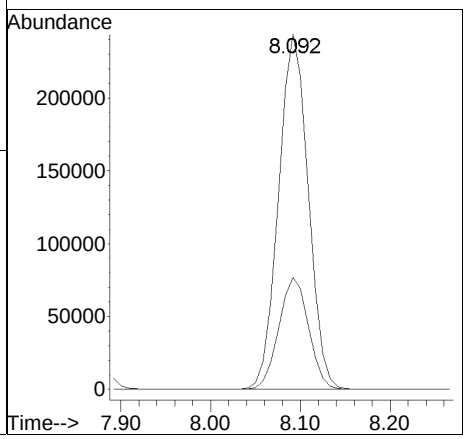


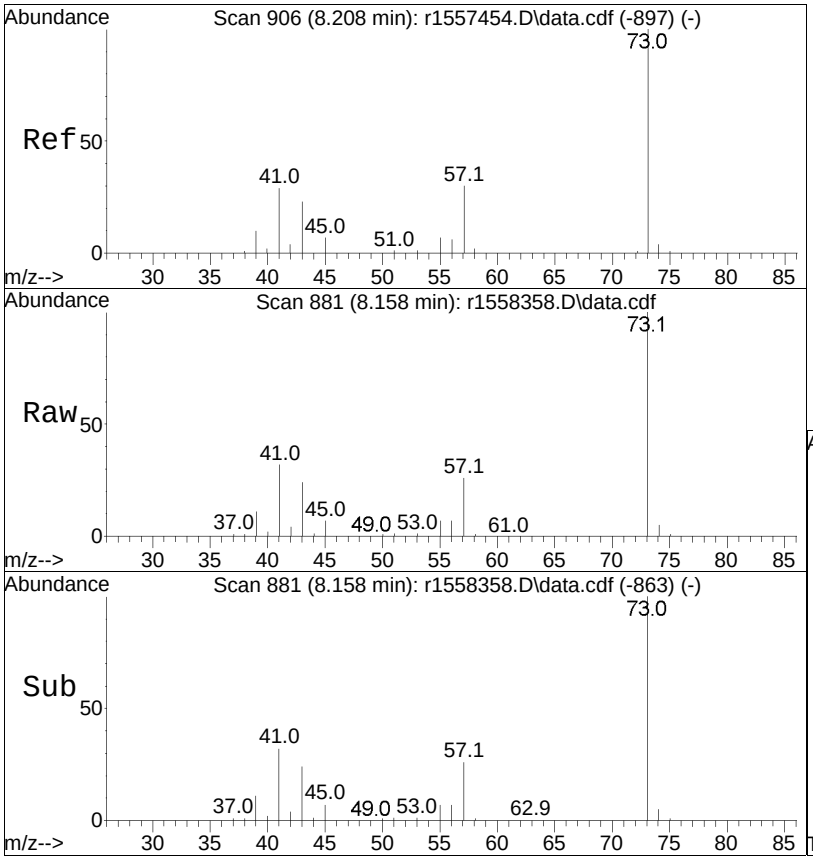


#33
1,1-dichloroethane
Concen: 9.08 ppbV
RT: 8.092 min Scan# 873
Delta R.T. -0.050 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 63 Resp: 560532

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.4	36.6

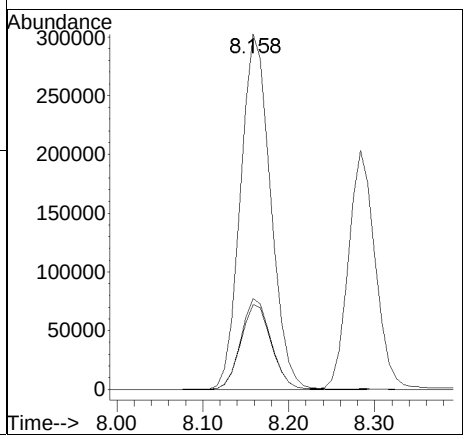


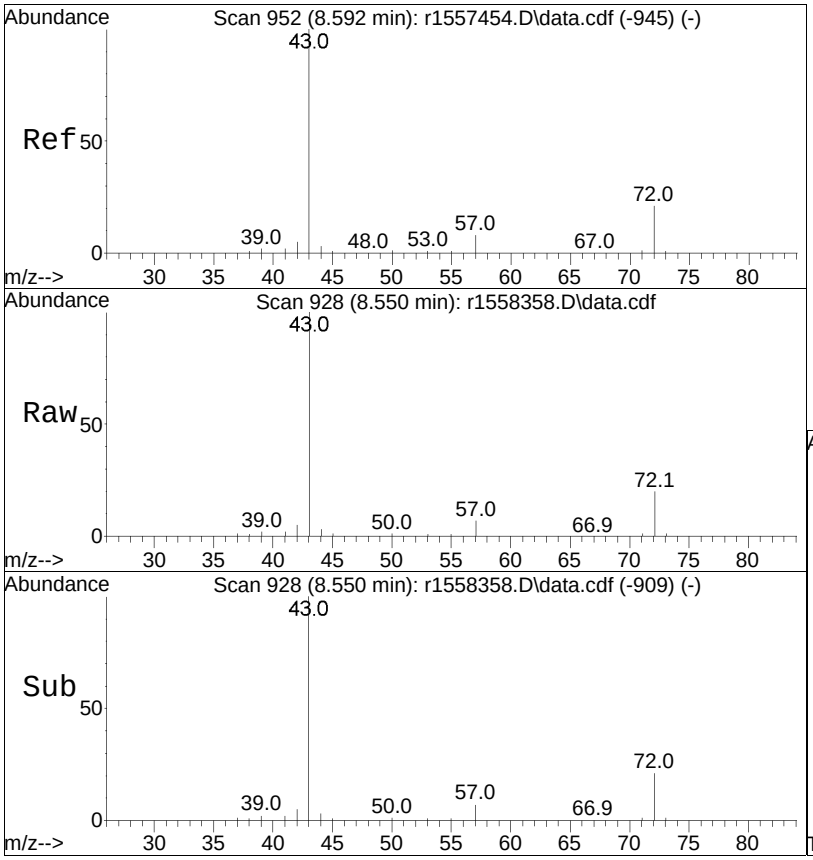


#34
MTBE
Concen: 9.42 ppbV
RT: 8.158 min Scan# 881
Delta R.T. -0.050 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 73 Resp: 735602

Ion	Ratio	Lower	Upper
73	100		
57	25.6	23.9	35.9
43	23.9	18.8	28.2

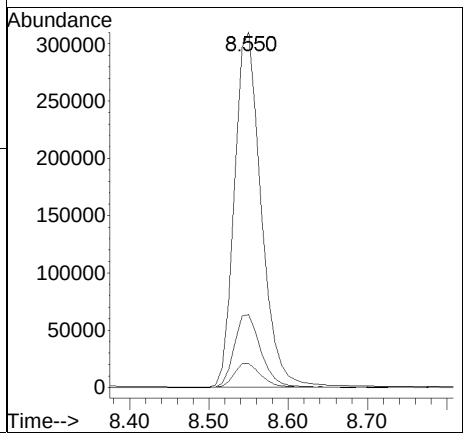


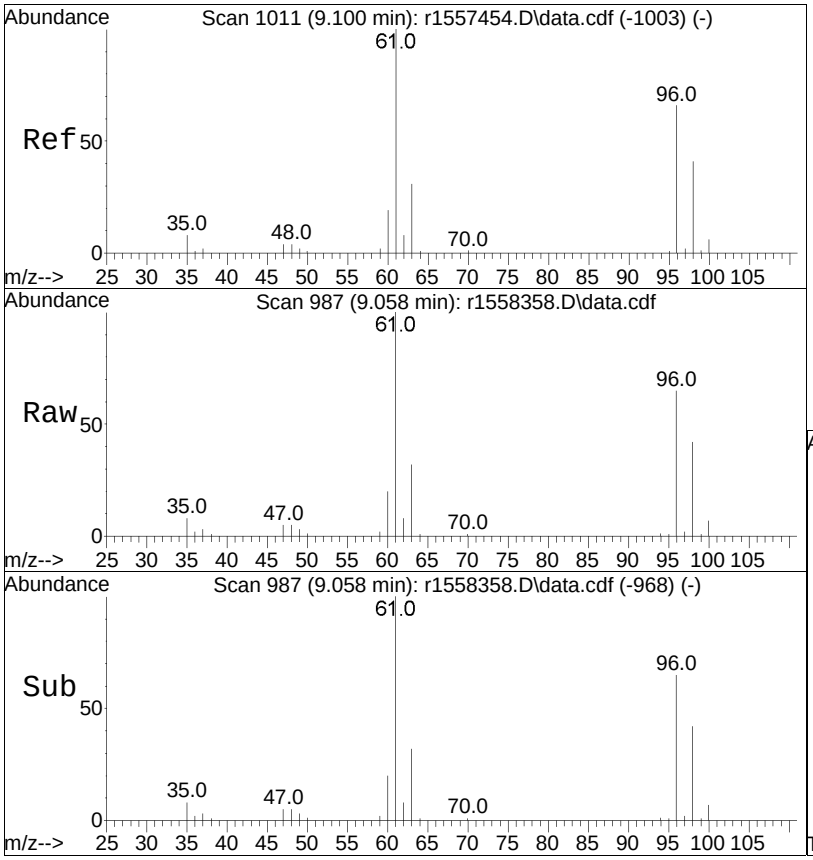


#36
2-butanone
Concen: 9.07 ppbV
RT: 8.550 min Scan# 928
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 43 Resp: 726750

Ion	Ratio	Lower	Upper
43	100		
72	20.5	17.1	25.7
57	6.7	6.3	9.5

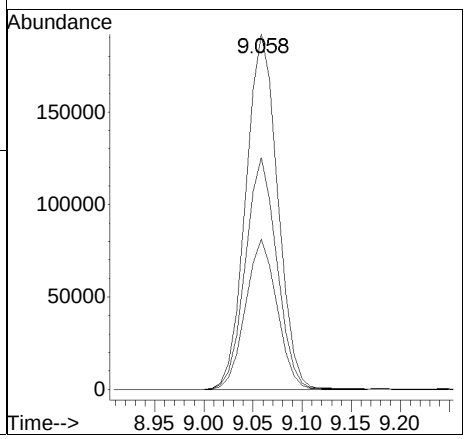


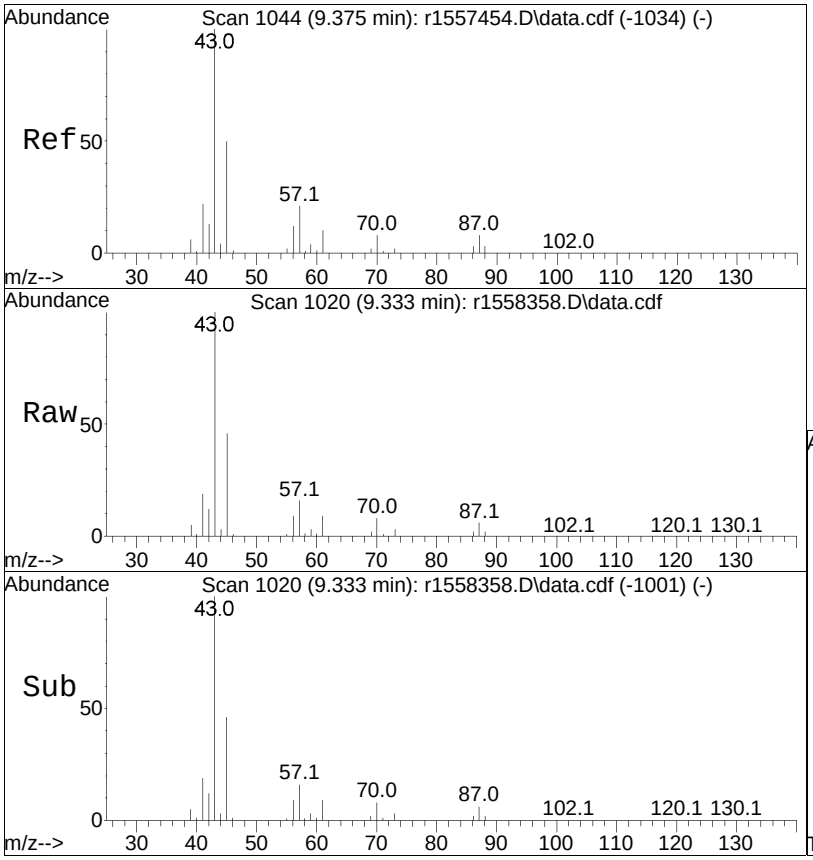


#37
cis-1,2-dichloroethene
Concen: 9.03 ppbV
RT: 9.058 min Scan# 987
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 61 Resp: 434701

Ion	Ratio	Lower	Upper
61	100		
96	65.3	52.6	78.8
98	42.3	32.8	49.2

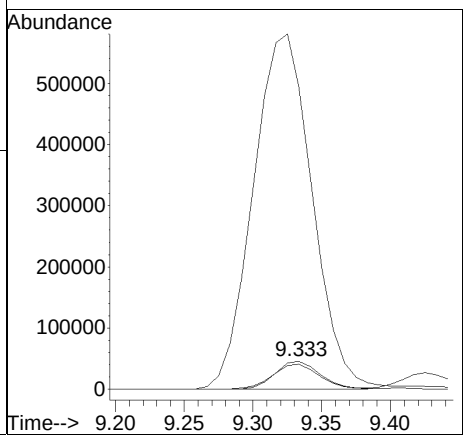


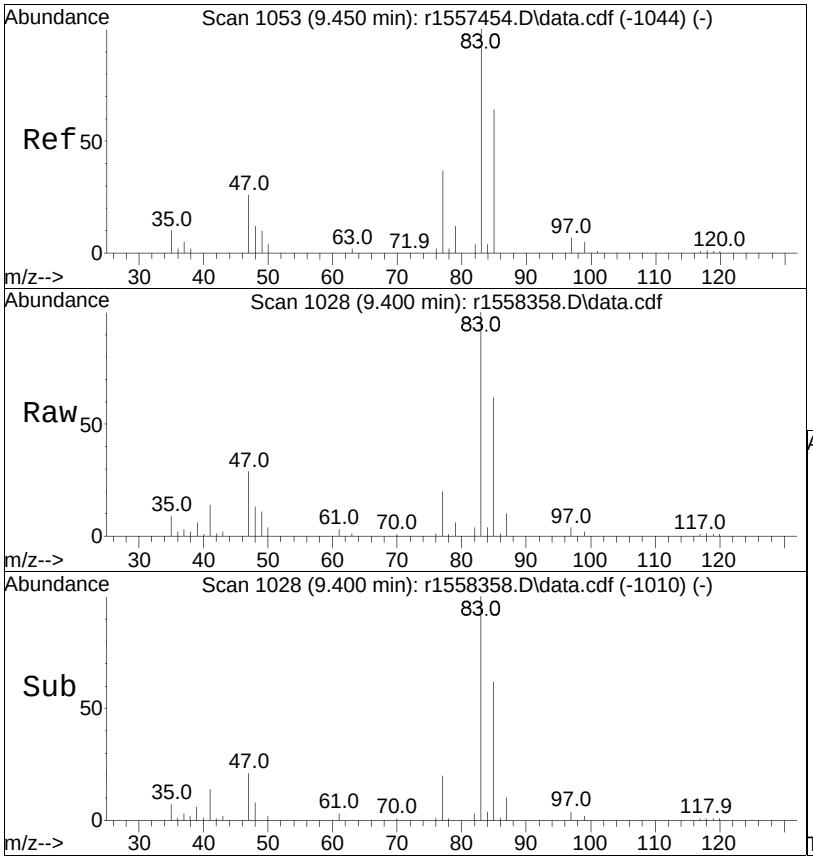


#38
Ethyl Acetate
Concen: 8.91 ppbV
RT: 9.333 min Scan# 1020
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 61 Resp: 107127

Ion	Ratio	Lower	Upper
61	100		
70	89.4	64.9	97.3
43	1074.7	783.5	1175.3

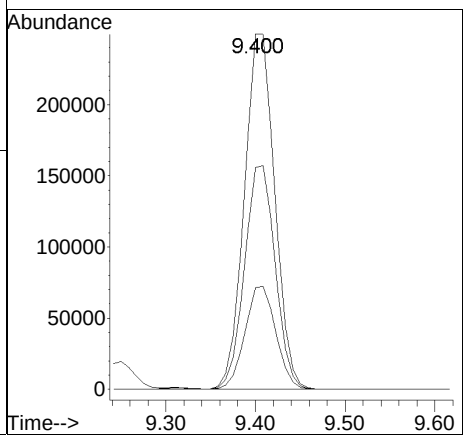


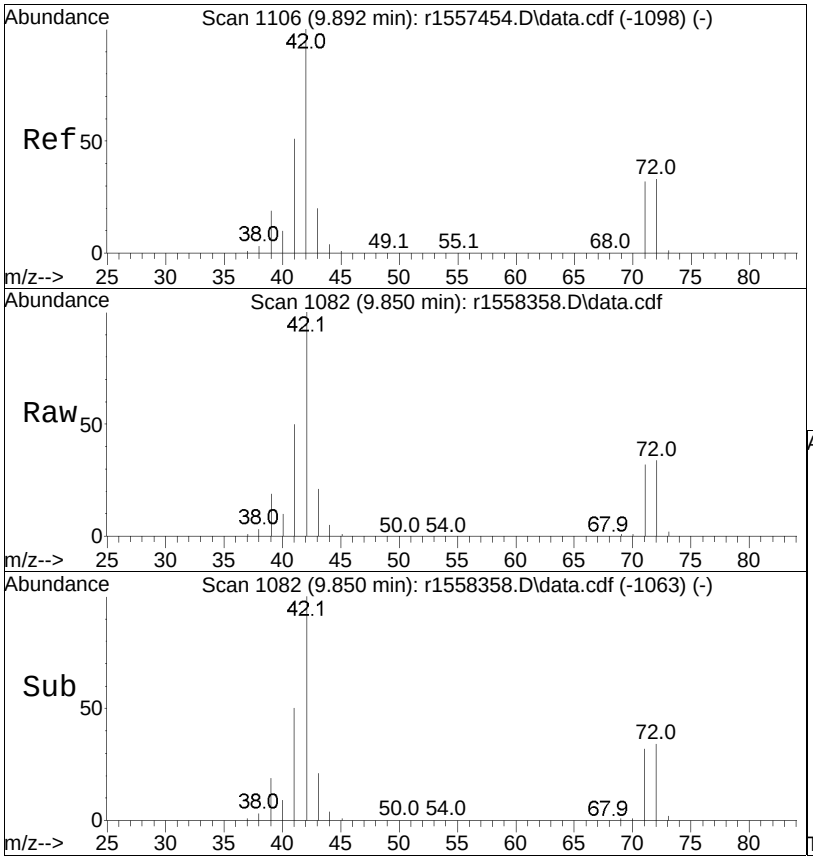


#39
chloroform
Concen: 10.20 ppbV
RT: 9.400 min Scan# 1028
Delta R.T. -0.050 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 83 Resp: 590591

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.1	76.7
47	28.7	21.2	31.8

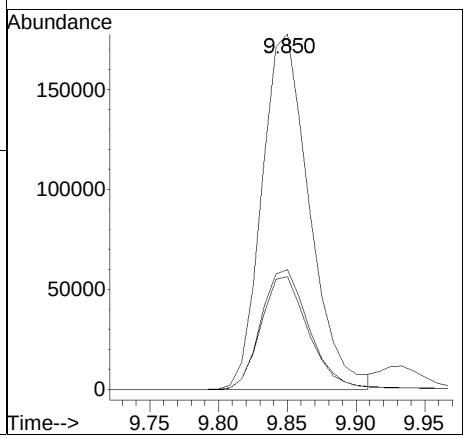


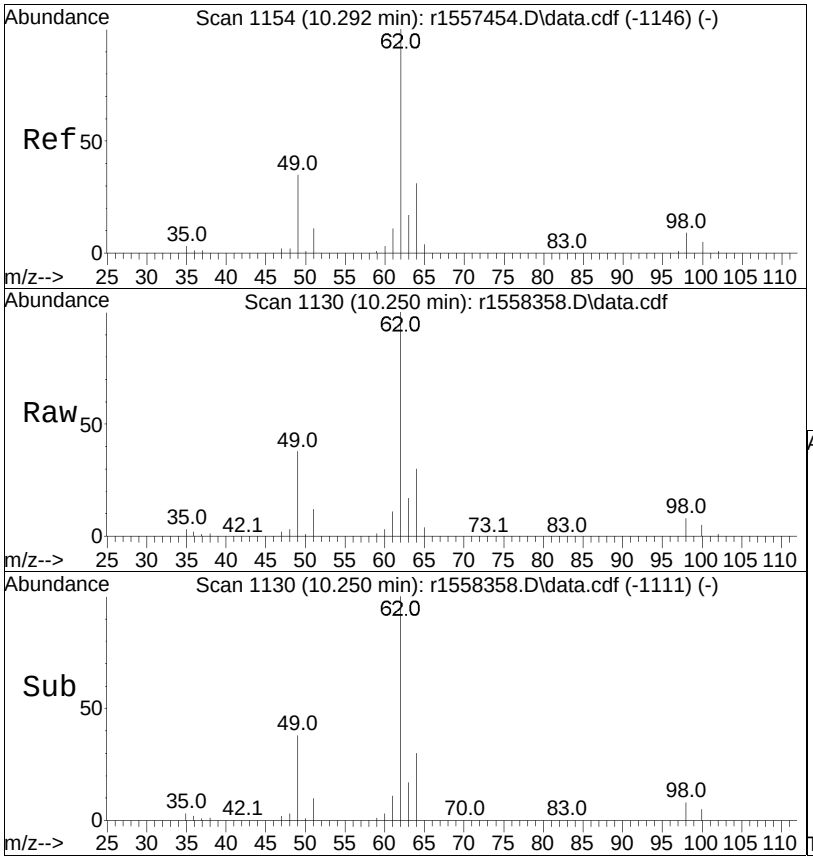


#40
Tetrahydrofuran
Concen: 10.34 ppbV
RT: 9.850 min Scan# 1082
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 42 Resp: 427034

Ion	Ratio	Lower	Upper
42	100		
71	31.7	25.7	38.5
72	33.7	26.2	39.2

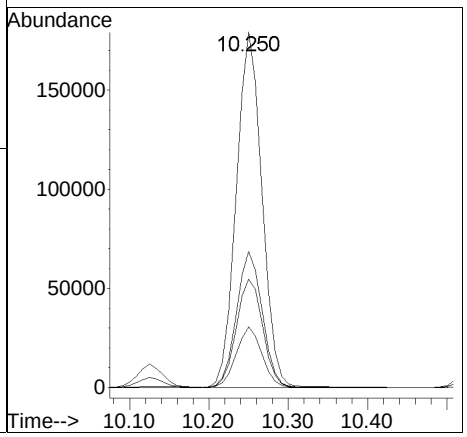


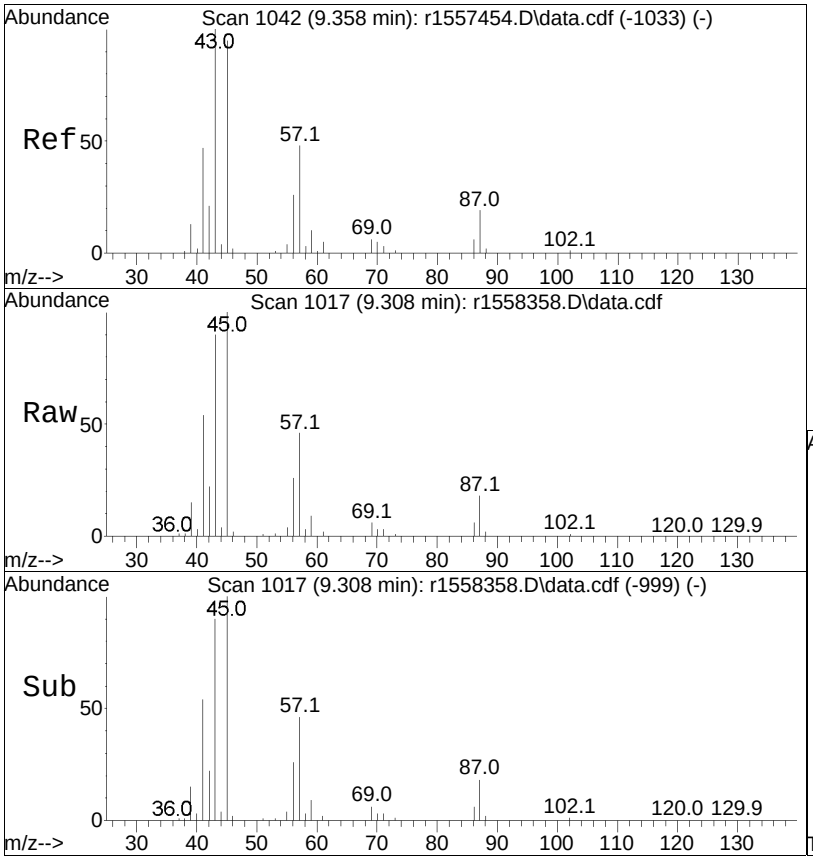


#42
1,2-dichloroethane
Concen: 9.41 ppbV
RT: 10.250 min Scan# 1130
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 62 Resp: 403349

Ion	Ratio	Lower	Upper
62	100		
64	30.5	24.9	37.3
49	38.3	27.7	41.5
63	17.0	13.8	20.6

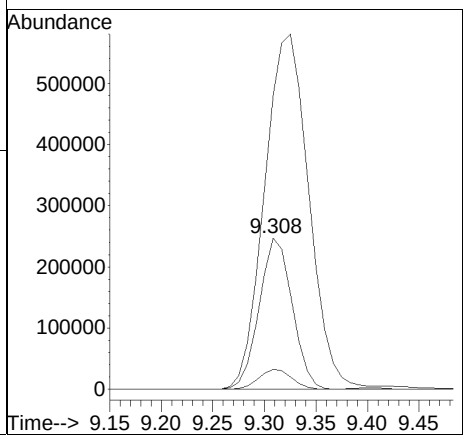


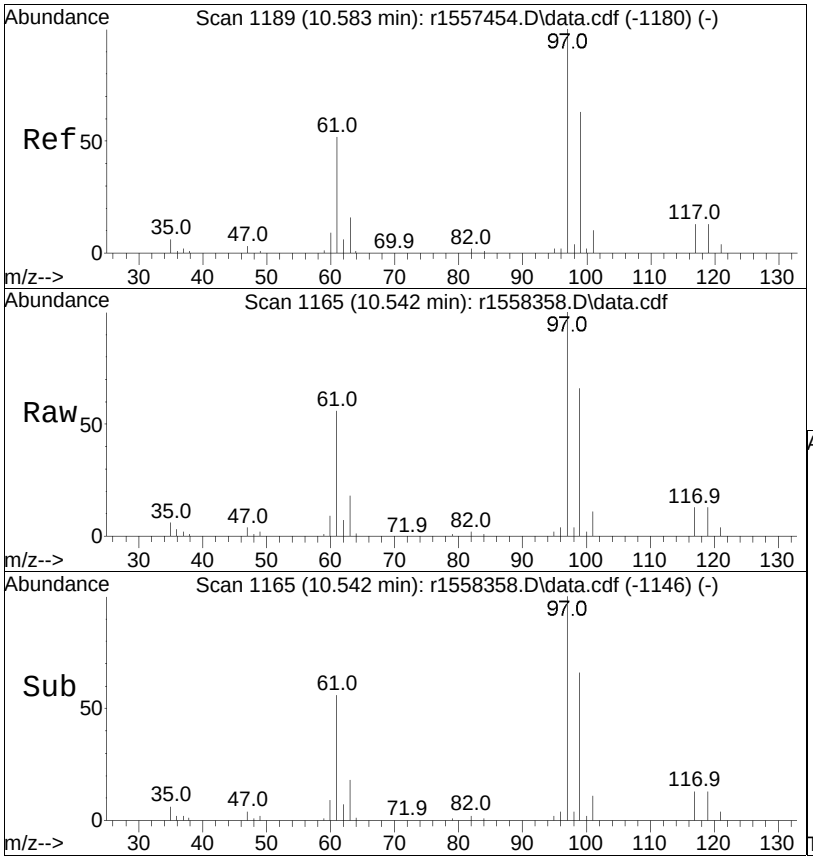


#44
hexane
Concen: 9.50 ppbV
RT: 9.308 min Scan# 1017
Delta R.T. -0.050 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 57 Resp: 551462

Ion	Ratio	Lower	Upper
57	100		
43	194.1	165.2	247.8
86	13.3	10.5	15.7

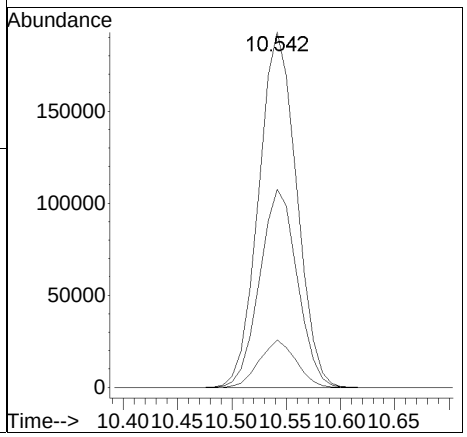


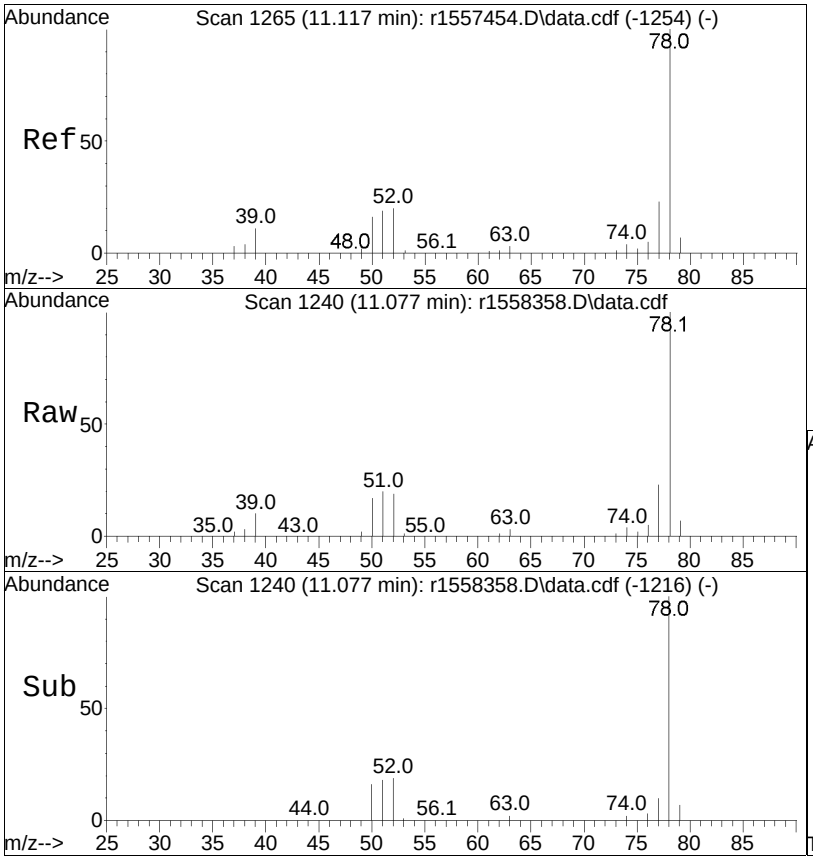


#48
1,1,1-trichloroethane
Concen: 9.72 ppbV
RT: 10.542 min Scan# 1165
Delta R.T. -0.042 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 97 Resp: 467844

Ion	Ratio	Lower	Upper
97	100		
61	55.8	41.8	62.8
119	13.4	10.2	15.2

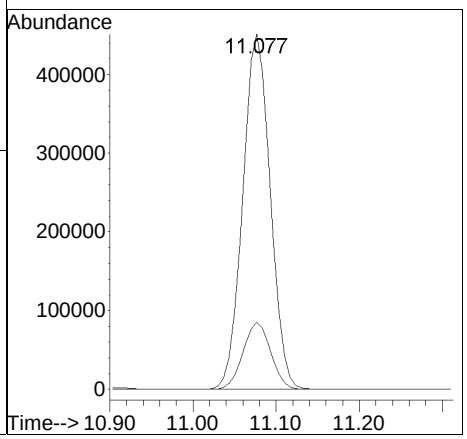


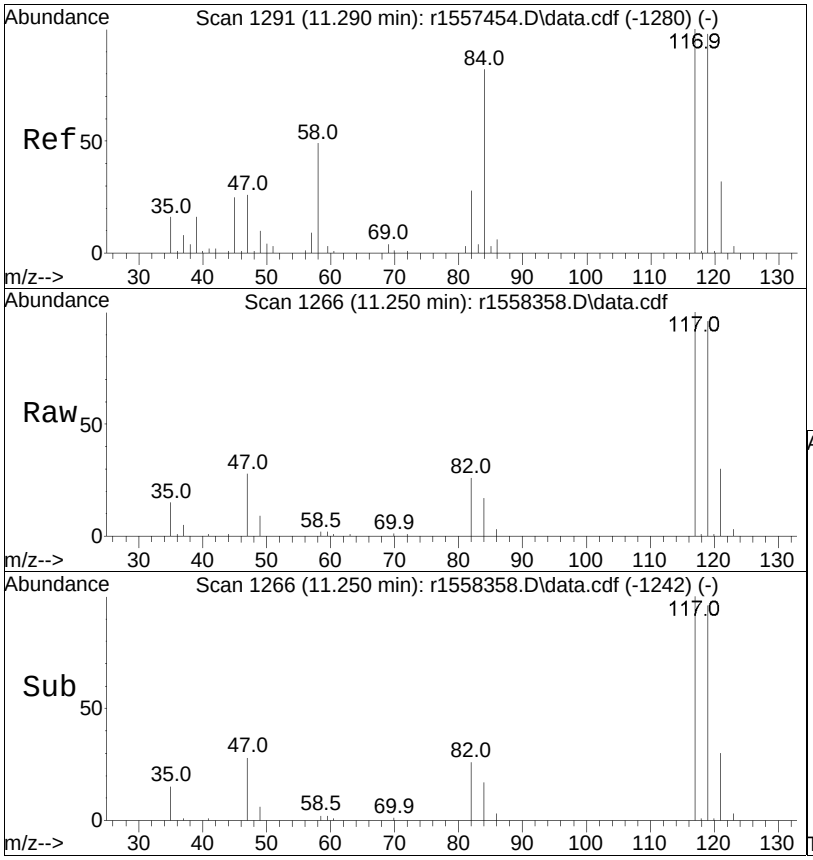


#50
benzene
Concen: 11.10 ppbV
RT: 11.077 min Scan# 1240
Delta R.T. -0.040 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 78 Resp: 1036867

Ion	Ratio	Lower	Upper
78	100		
52	18.9	15.9	23.9

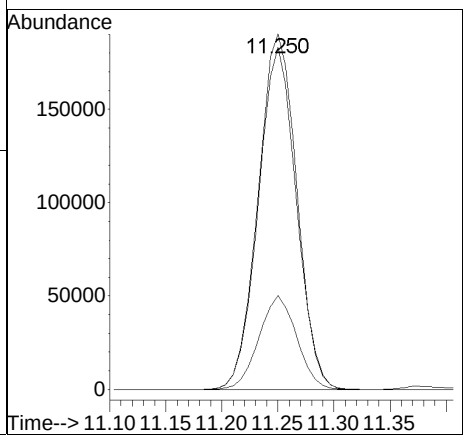


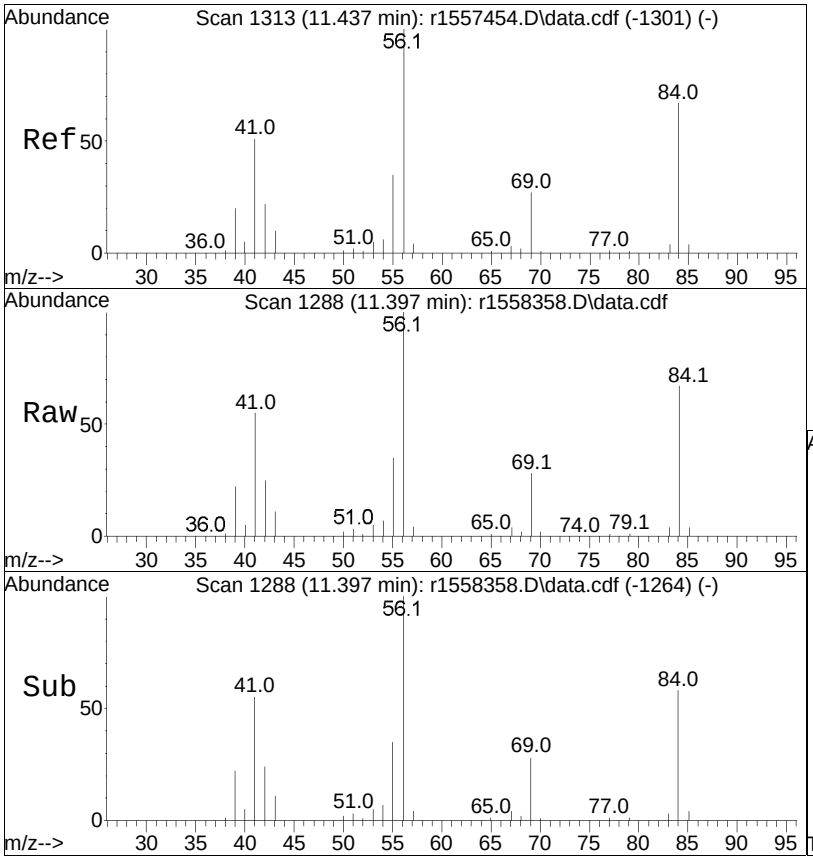


#52
carbon tetrachloride
Concen: 11.78 ppbV
RT: 11.250 min Scan# 1266
Delta R.T. -0.040 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:117 Resp: 455627

Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.5	117.7
82	26.4	22.2	33.4

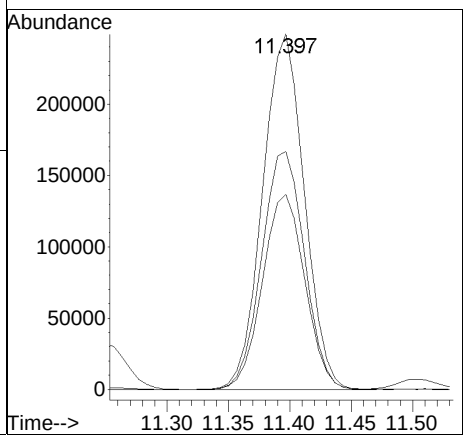


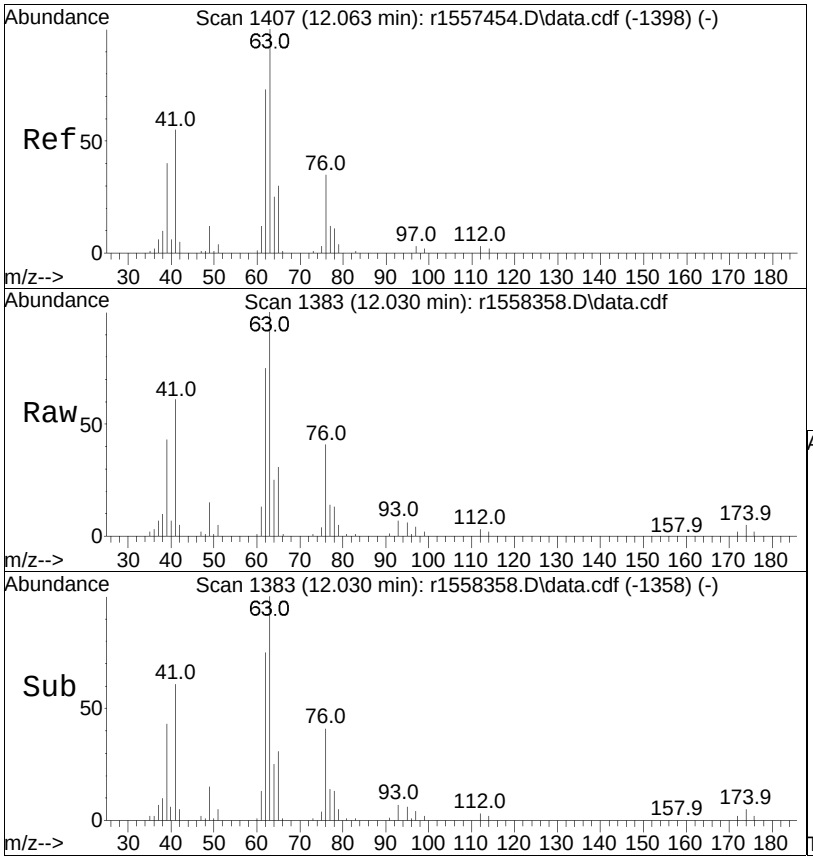


#53
cyclohexane
Concen: 9.71 ppbV
RT: 11.397 min Scan# 1288
Delta R.T. -0.040 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 56 Resp: 587998

Ion	Ratio	Lower	Upper
56	100		
84	66.9	53.5	80.3
41	54.9	40.9	61.3

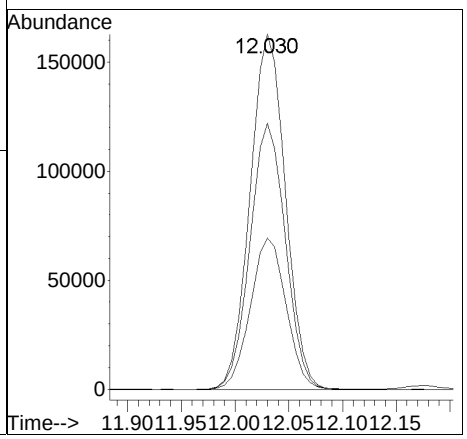


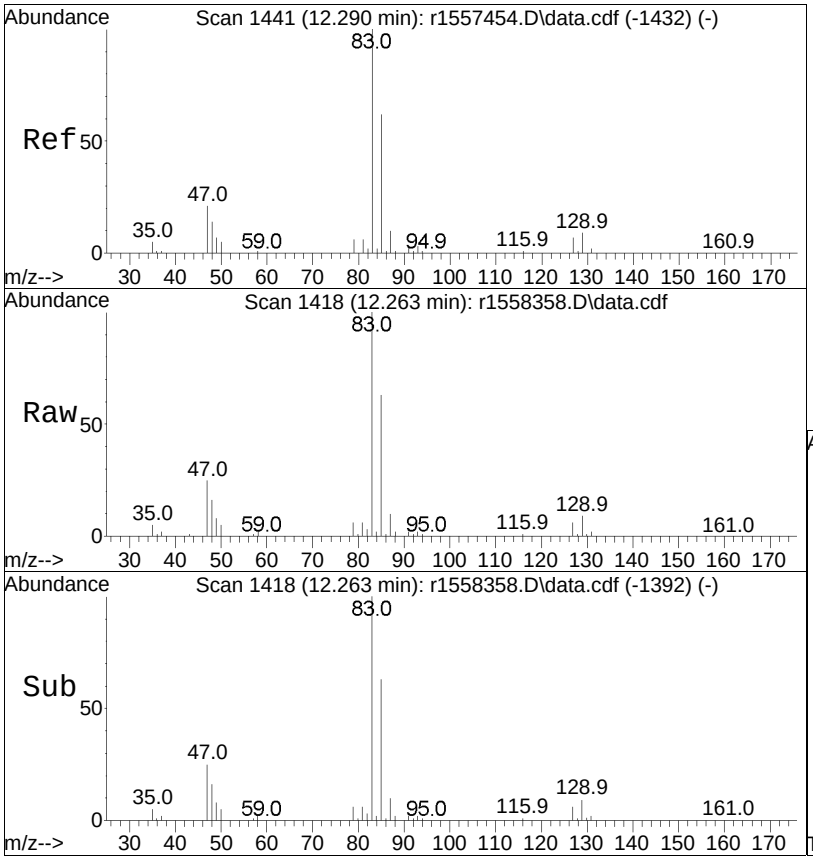


#56
1,2-dichloropropane
Concen: 10.08 ppbV
RT: 12.030 min Scan# 1383
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 63 Resp: 372744

Ion	Ratio	Lower	Upper
63	100		
62	74.9	58.6	88.0
39	42.6	32.0	48.0

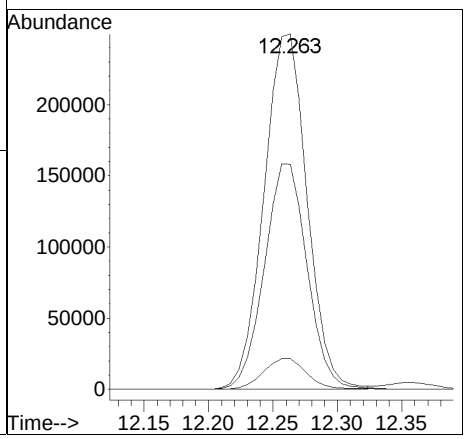


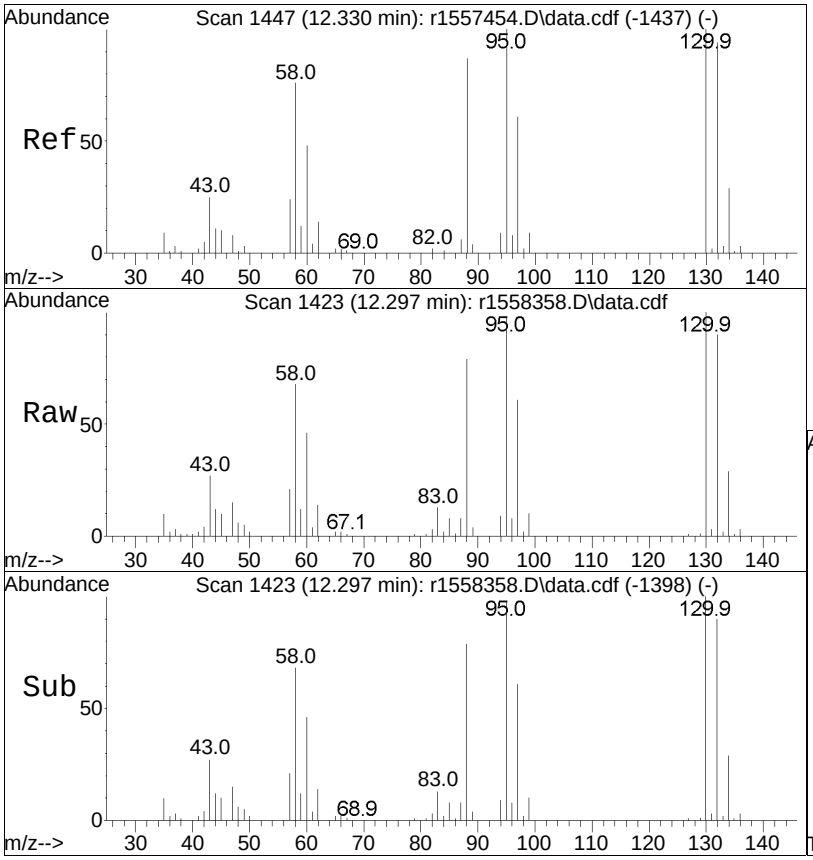


#57
bromodichloromethane
Concen: 11.39 ppbV
RT: 12.263 min Scan# 1418
Delta R.T. -0.027 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 83 Resp: 581448

Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.9	74.9
129	8.7	7.4	11.0

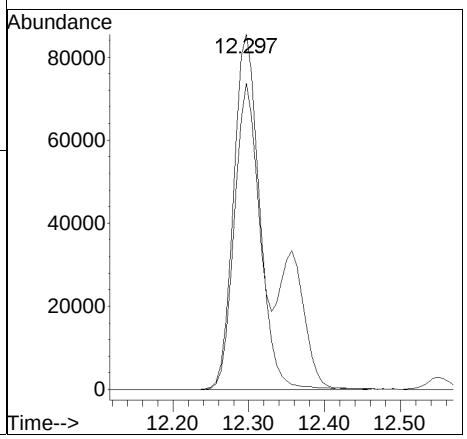


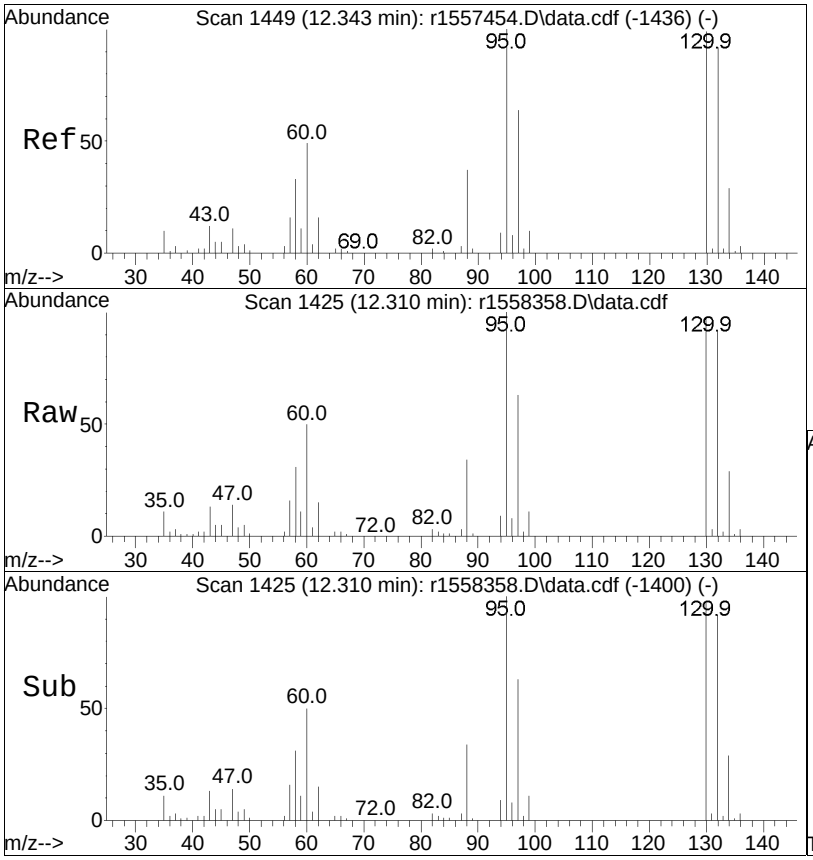


#58
1,4-dioxane
Concen: 9.76 ppbV
RT: 12.297 min Scan# 1423
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 88 Resp: 203580

Ion	Ratio	Lower	Upper
88	100		
58	86.2	70.0	105.0

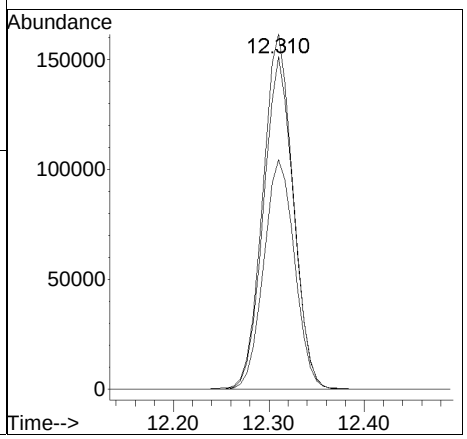


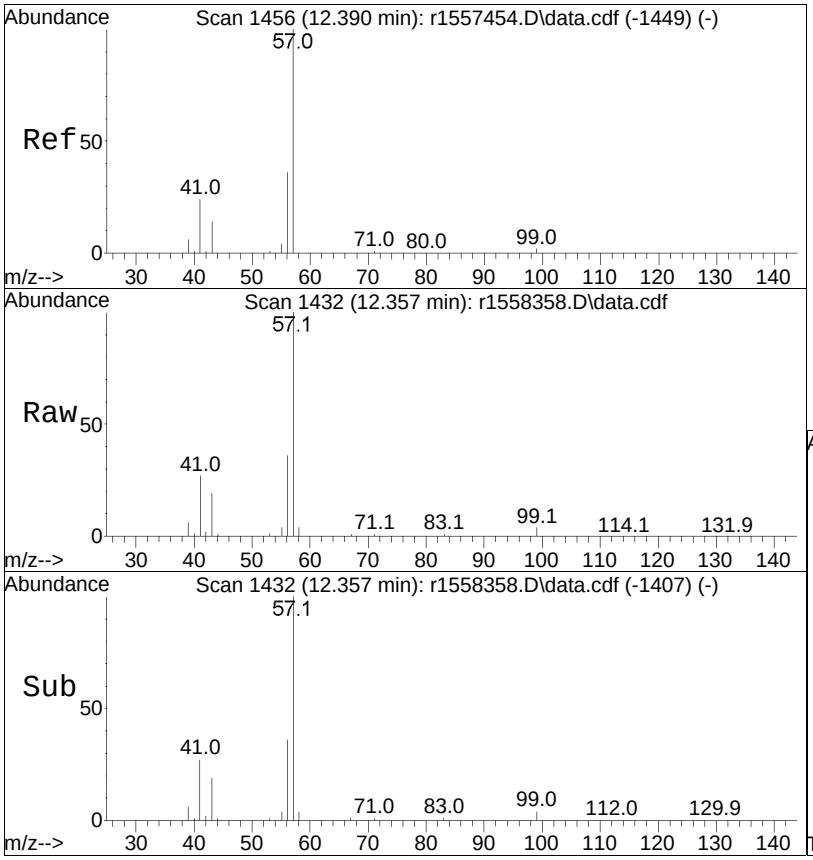


#59
trichloroethene
Concen: 10.24 ppbV
RT: 12.310 min Scan# 1425
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:130 Resp: 358687

Ion	Ratio	Lower	Upper
130	100		
132	93.6	73.7	110.5
97	64.6	51.2	76.8

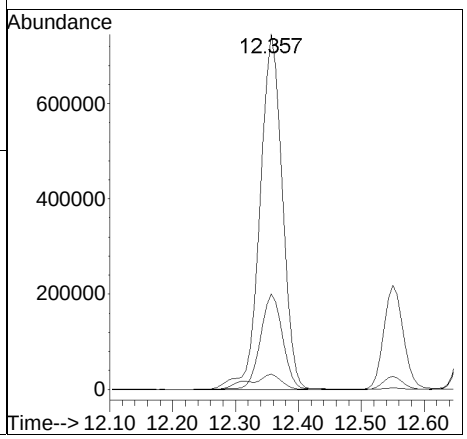


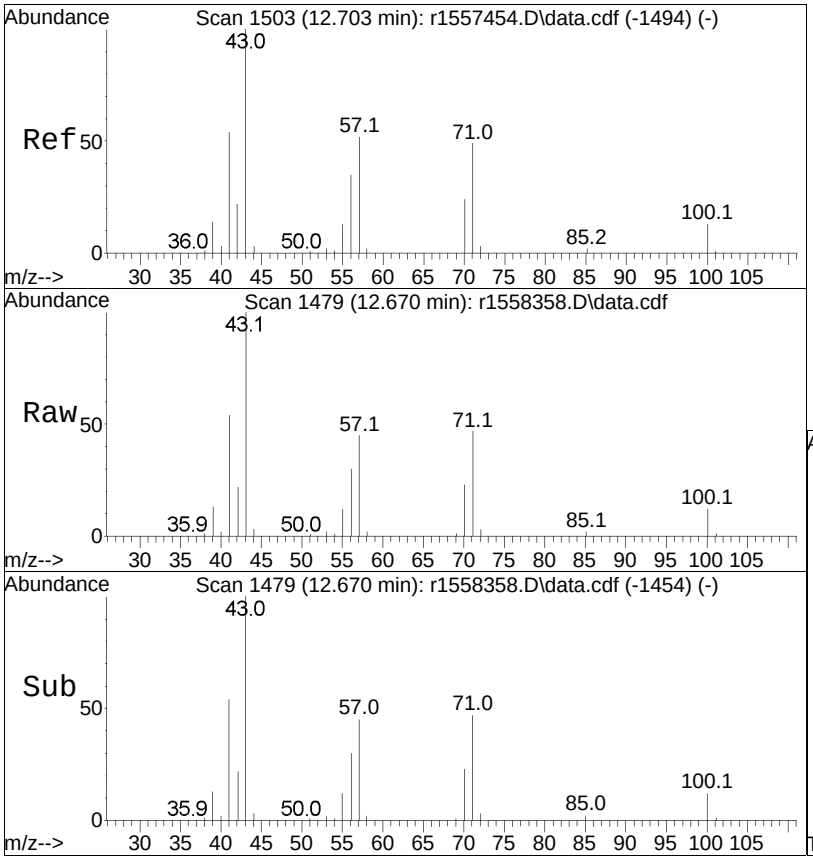


#60
2,2,4-trimethylpentane
Concen: 10.11 ppbV
RT: 12.357 min Scan# 1432
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 57 Resp: 1847921

Ion	Ratio	Lower	Upper
57	100		
99	4.3	3.1	4.7
41	26.8	19.1	28.7

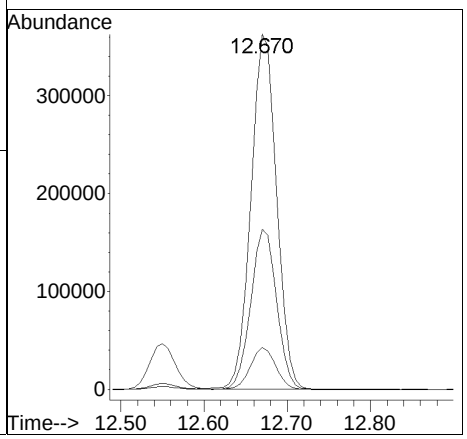


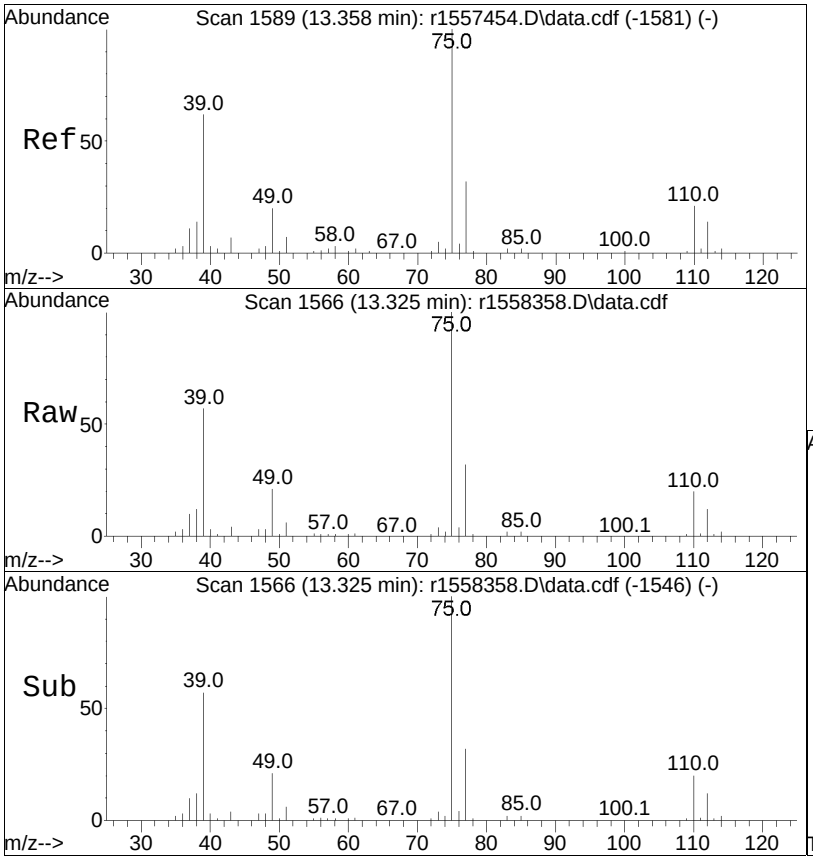


#62
heptane
Concen: 11.50 ppbV
RT: 12.670 min Scan# 1479
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 43 Resp: 776089

Ion	Ratio	Lower	Upper
43	100		
57	45.1	42.0	63.0
100	11.8	10.6	15.8

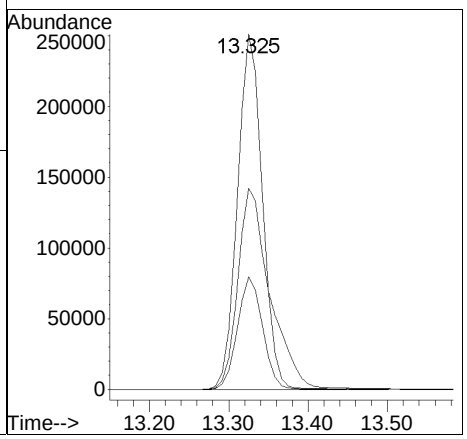


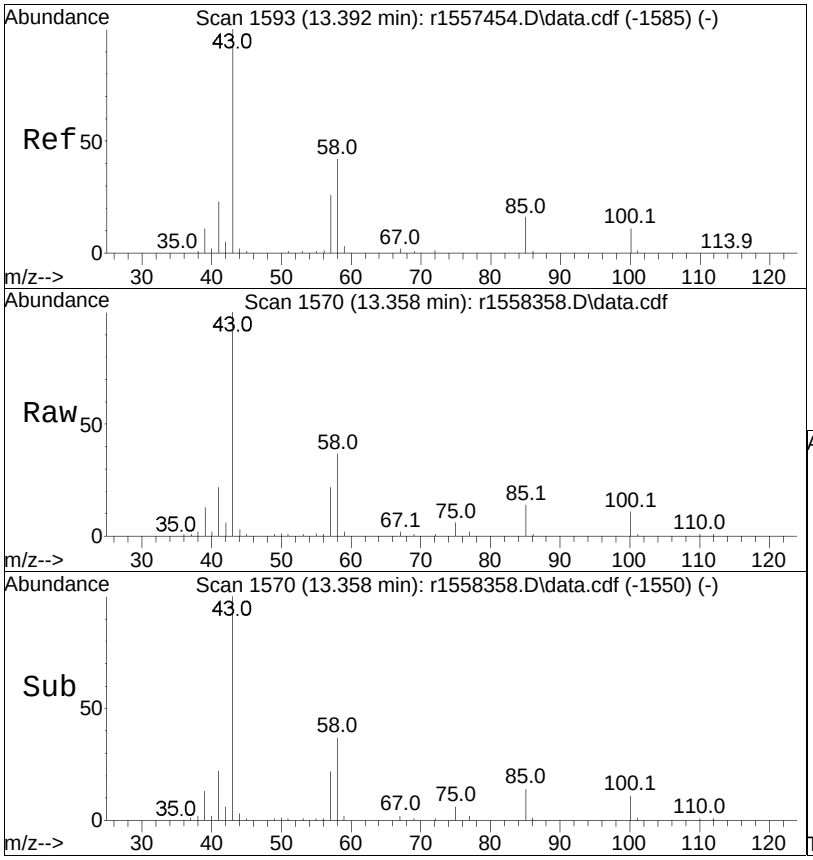


#63
cis-1,3-dichloropropene
Concen: 12.29 ppbV
RT: 13.325 min Scan# 1566
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 75 Resp: 546834

Ion	Ratio	Lower	Upper
75	100		
39	56.6	49.5	74.3
77	31.7	25.9	38.9

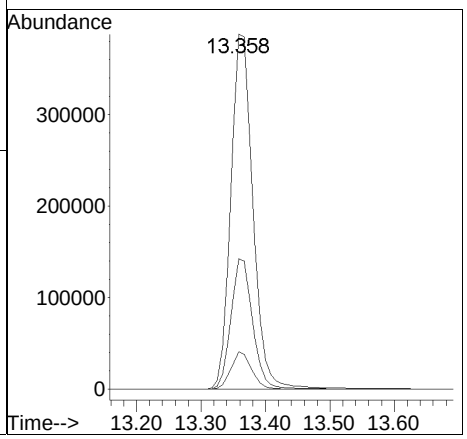


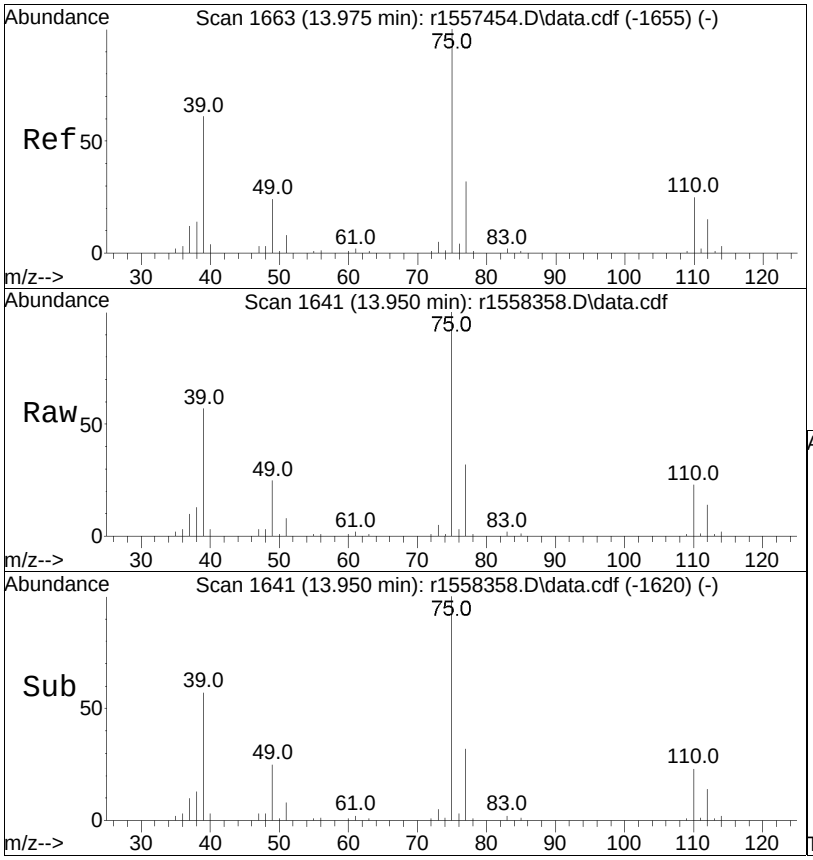


#64
4-methyl-2-pentanone
Concen: 11.40 ppbV
RT: 13.358 min Scan# 1570
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 43 Resp: 933940

Ion	Ratio	Lower	Upper
43	100		
58	36.8	33.5	50.3
100	10.6	9.0	13.6

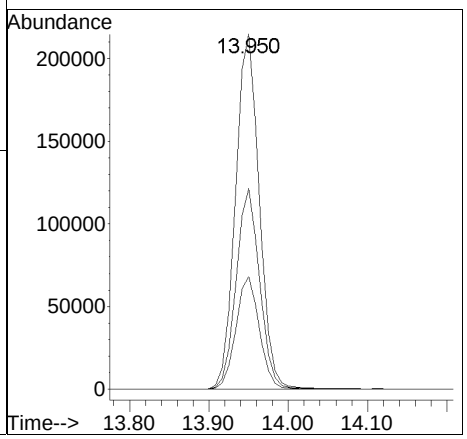


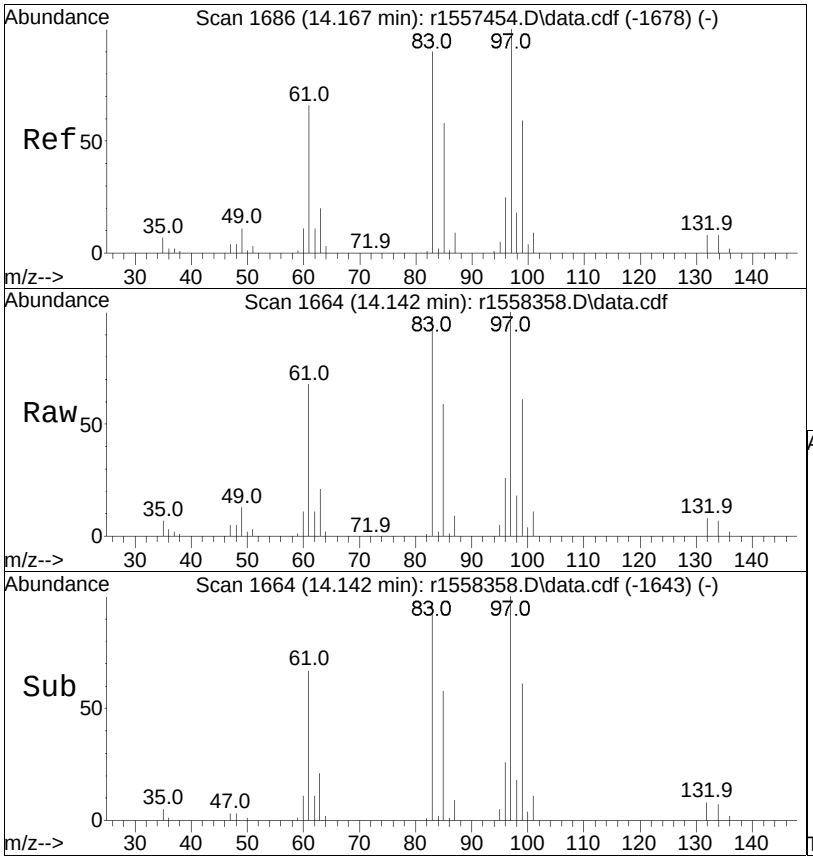


#65
trans-1,3-dichloropropene
Concen: 13.57 ppbV
RT: 13.950 min Scan# 1641
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 75 Resp: 448630

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	56.5	48.9	73.3

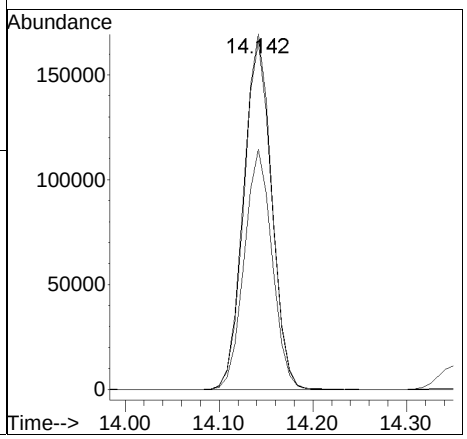


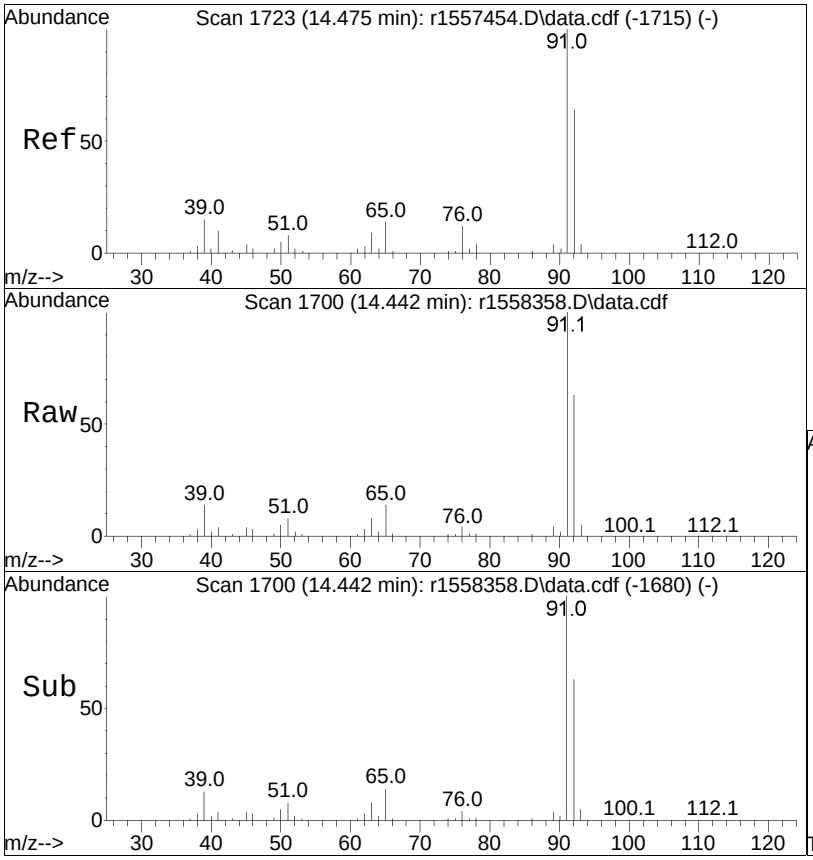


#66
1,1,2-trichloroethane
Concen: 10.72 ppbV
RT: 14.142 min Scan# 1664
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 97 Resp: 354064

Ion	Ratio	Lower	Upper
97	100		
83	97.8	72.2	108.2
61	67.5	53.0	79.6

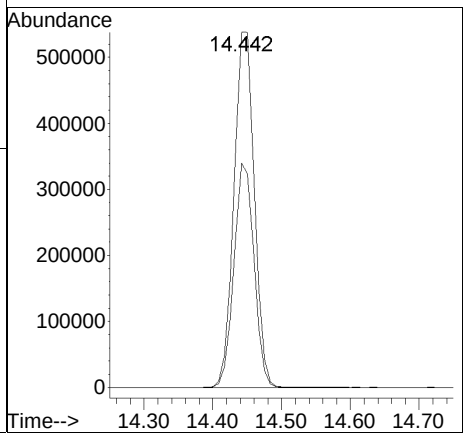


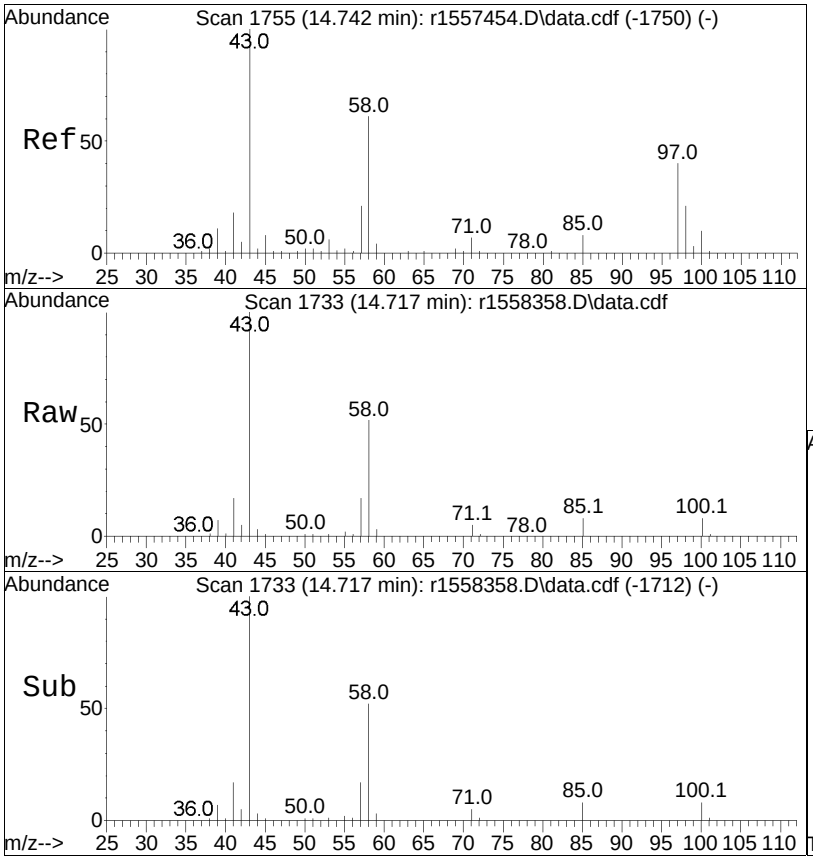


#68
toluene
Concen: 9.97 ppbV
RT: 14.442 min Scan# 1700
Delta R.T. -0.033 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 91 Resp: 1110479

Ion	Ratio	Lower	Upper
91	100		
92	63.1	51.0	76.6

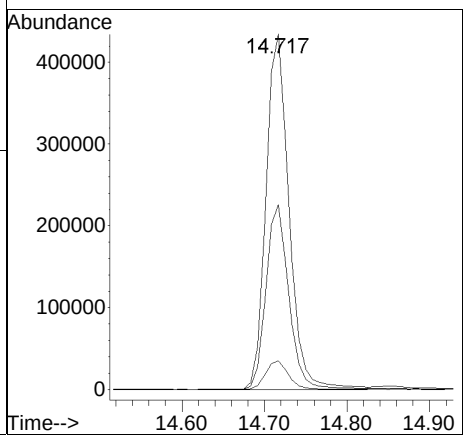


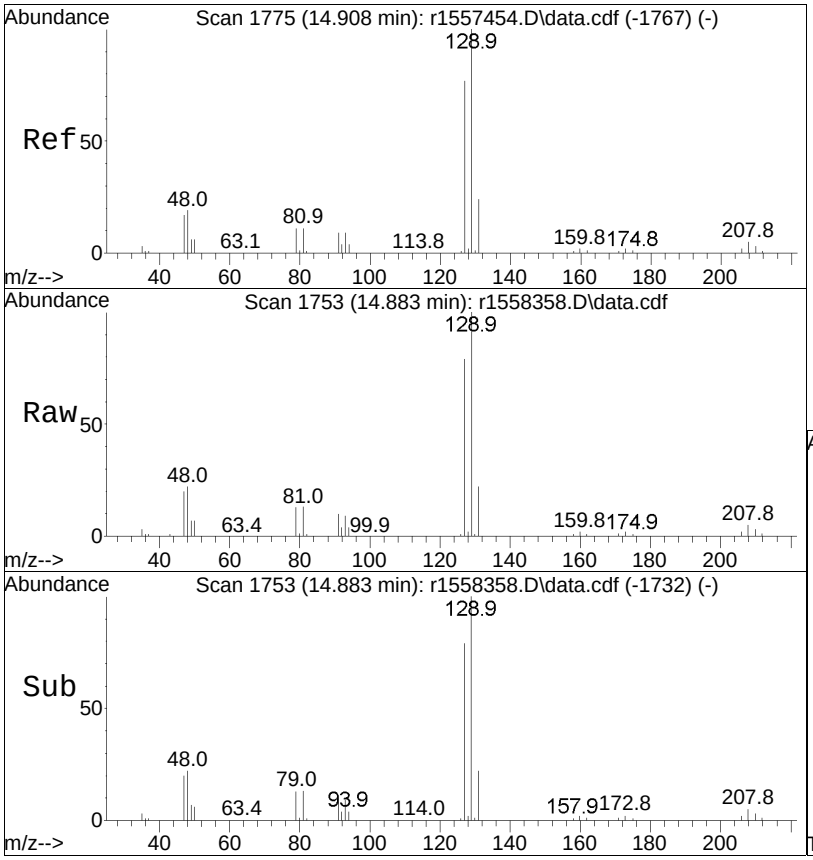


#72
2-hexanone
Concen: 10.88 ppbV
RT: 14.717 min Scan# 1733
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 43 Resp: 843872

Ion	Ratio	Lower	Upper
43	100		
58	52.0	49.4	74.2
100	8.0	8.1	12.1#

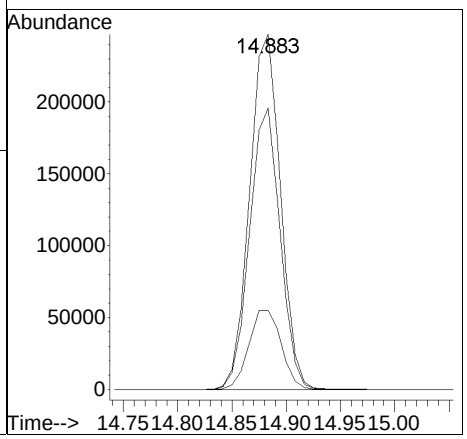


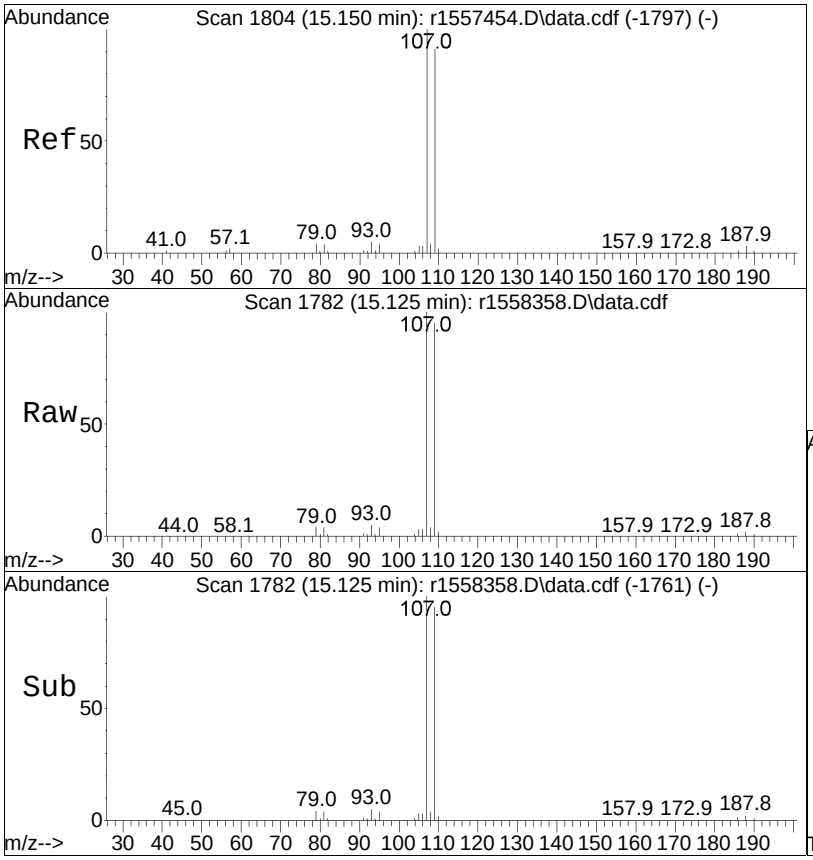


#74
dibromochloromethane
Concen: 10.63 ppbV
RT: 14.883 min Scan# 1753
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:129 Resp: 488501

Ion	Ratio	Lower	Upper
129	100		
127	79.2	61.8	92.8
131	22.3	19.5	29.3

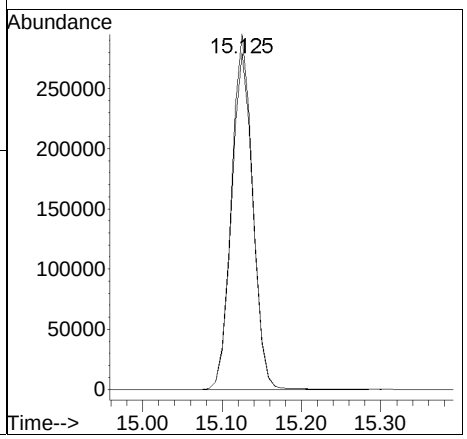


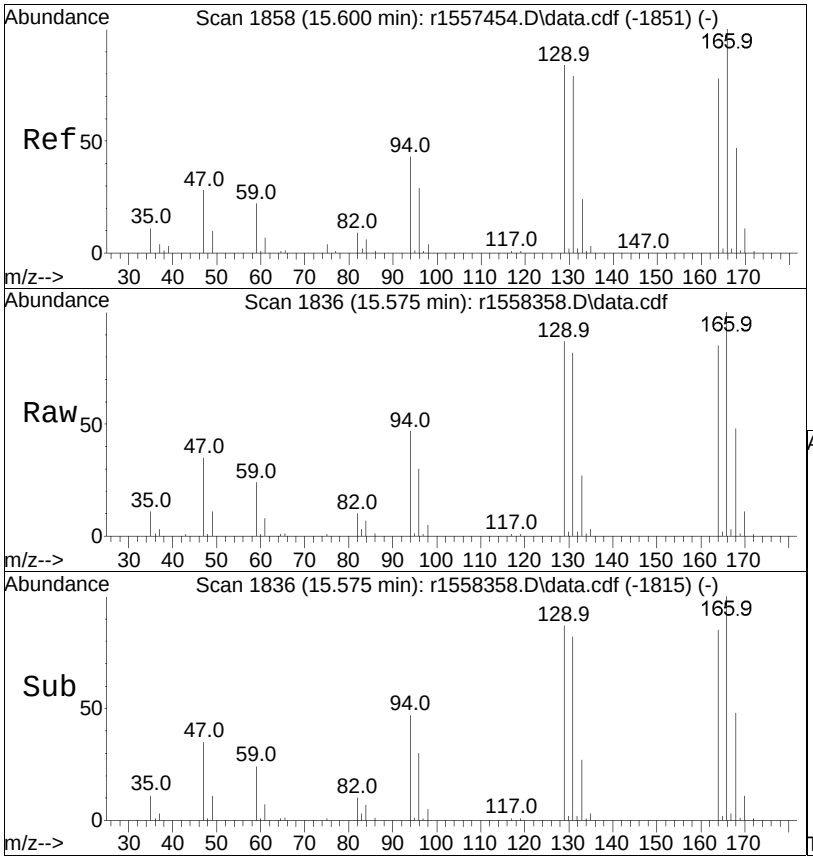


#75
1,2-dibromoethane
Concen: 11.72 ppbV
RT: 15.125 min Scan# 1782
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:107 Resp: 549697

Ion	Ratio	Lower	Upper
107	100		
109	94.7	72.9	109.3

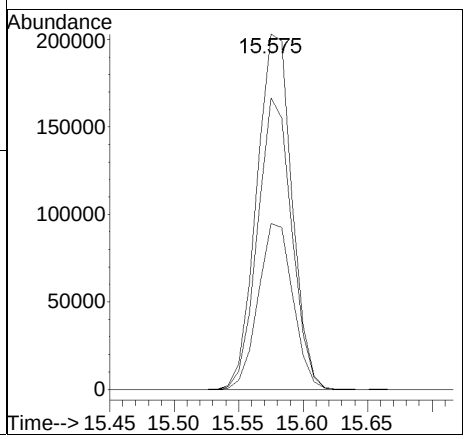


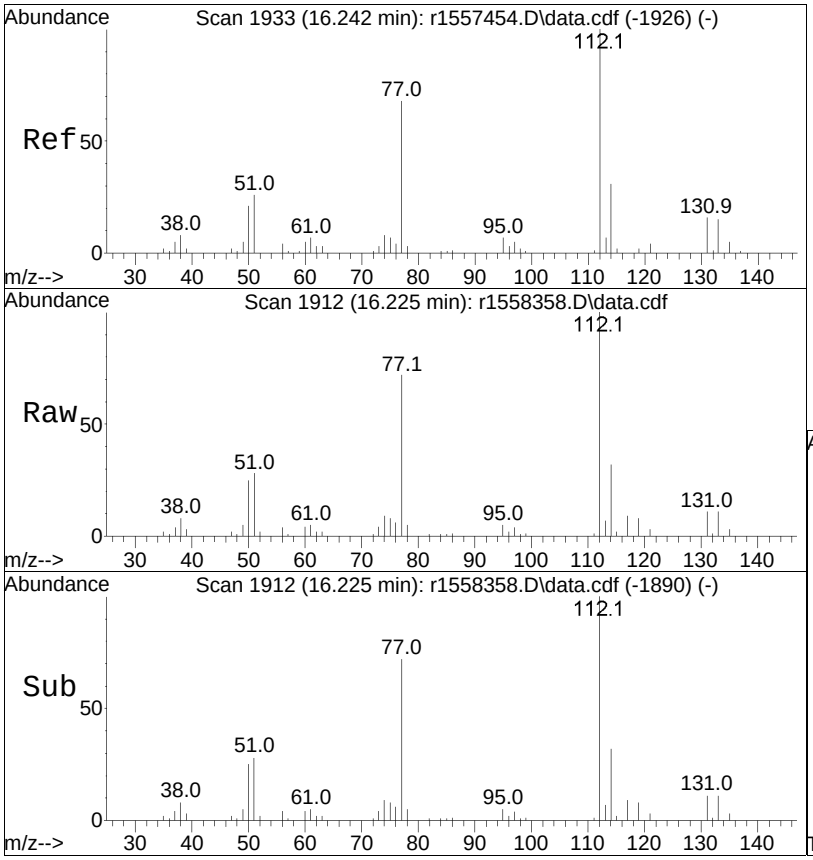


#78
tetrachloroethene
Concen: 9.75 ppbV
RT: 15.575 min Scan# 1836
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:166 Resp: 386613

Ion	Ratio	Lower	Upper
166	100		
131	82.1	63.3	94.9
94	46.7	34.3	51.5

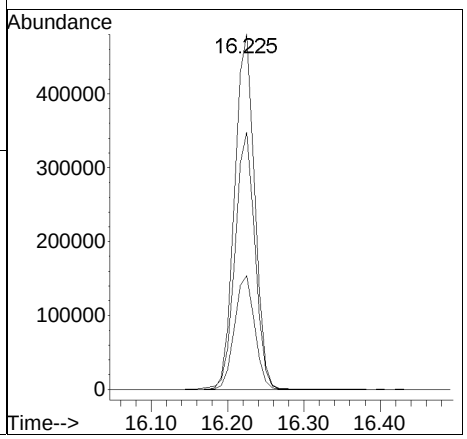


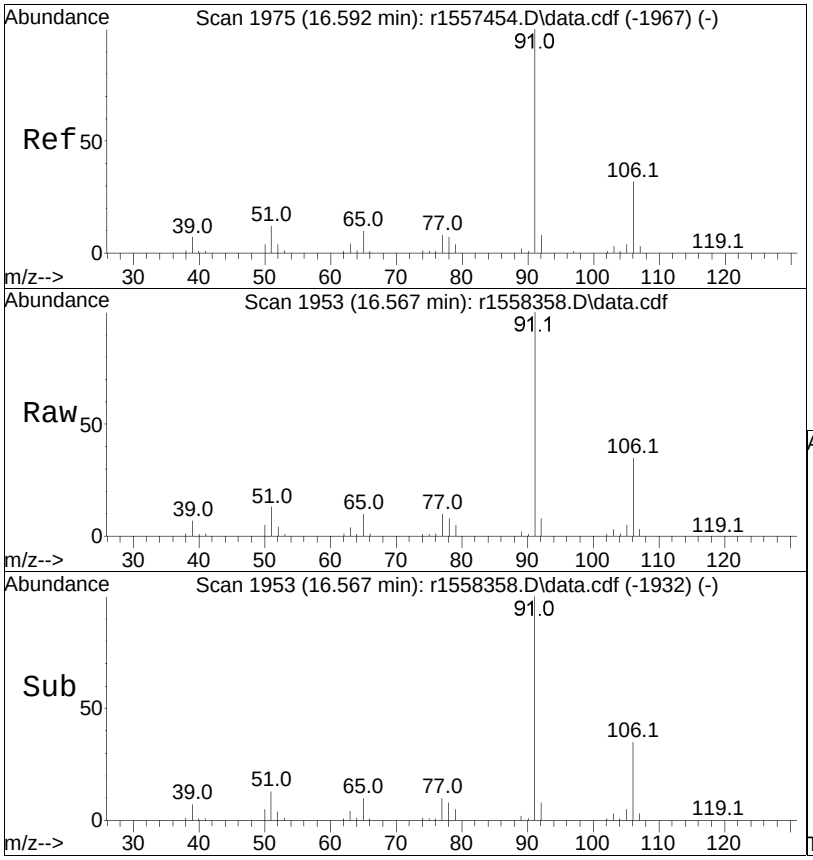


#80
chlorobenzene
Concen: 10.86 ppbV
RT: 16.225 min Scan# 1912
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:112 Resp: 877366

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.6
77	72.4	54.3	81.5

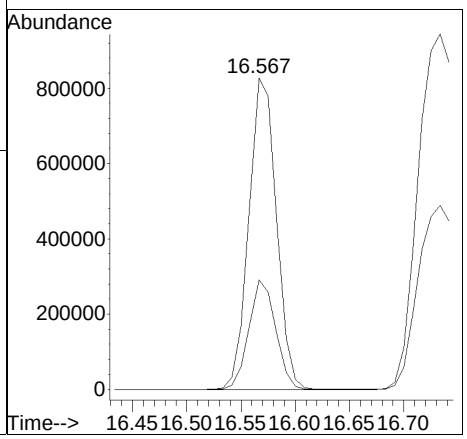


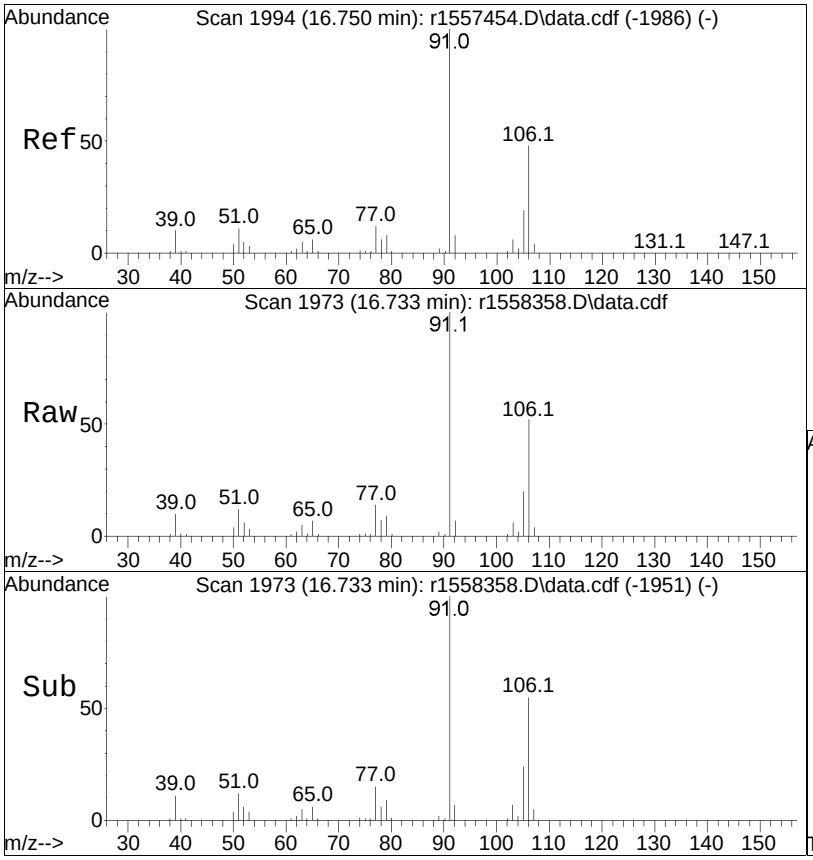


#81
ethylbenzene
Concen: 10.10 ppbV
RT: 16.567 min Scan# 1953
Delta R.T. -0.025 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 91 Resp: 1458472

Ion	Ratio	Lower	Upper
91	100		
106	35.2	25.2	37.8

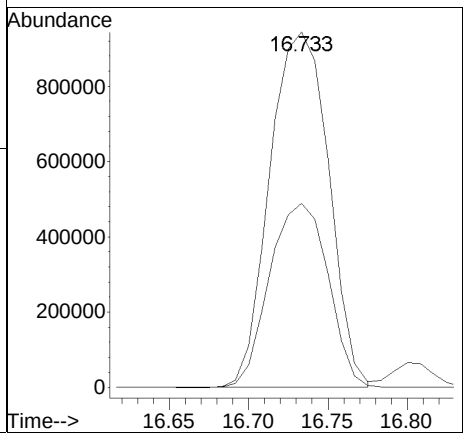


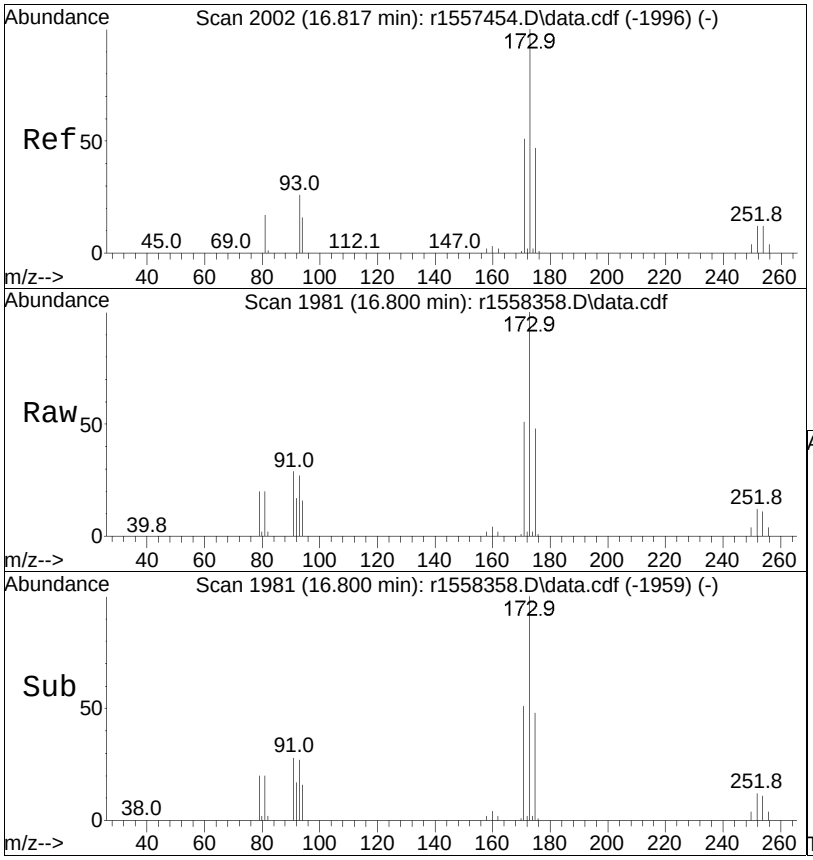


#83
m+p-xylene
Concen: 21.24 ppbV
RT: 16.733 min Scan# 1973
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 91 Resp: 2434577

Ion	Ratio	Lower	Upper
91	100		
106	51.8	38.2	57.2

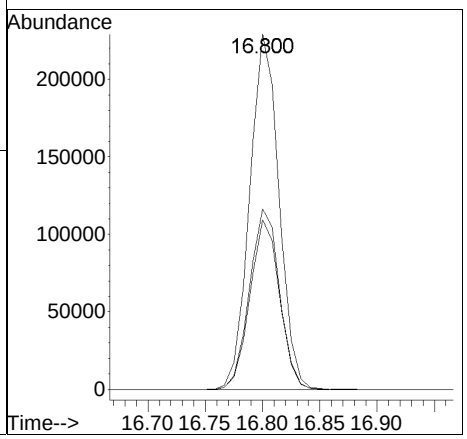


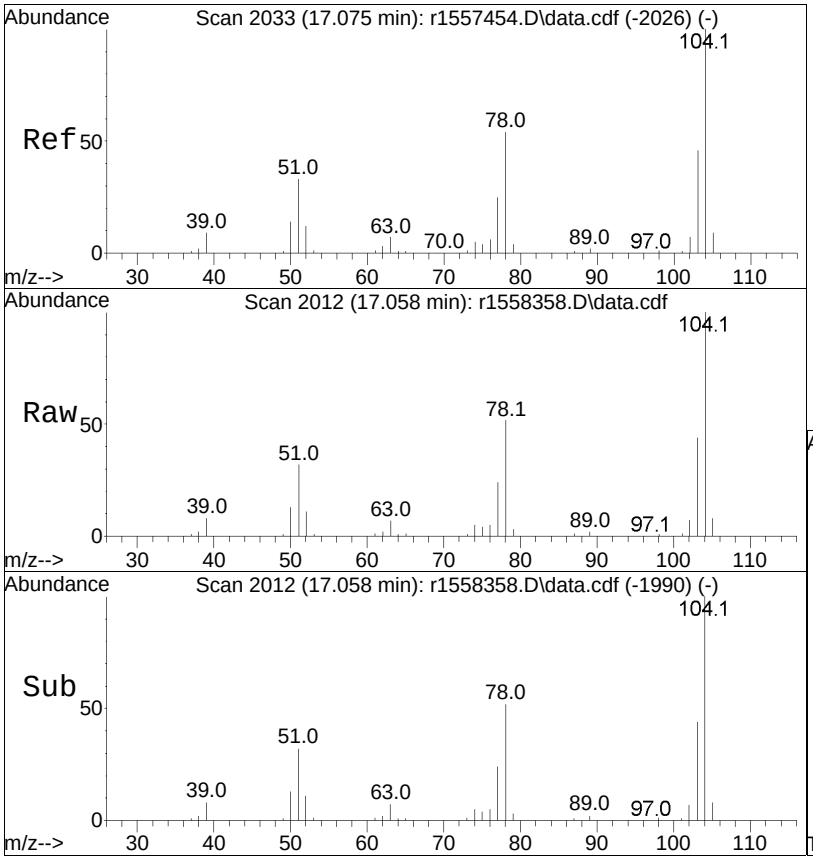


#84
bromoform
Concen: 11.37 ppbV
RT: 16.800 min Scan# 1981
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:173 Resp: 406424

Ion	Ratio	Lower	Upper
173	100		
175	47.7	37.8	56.8
171	50.8	40.6	61.0

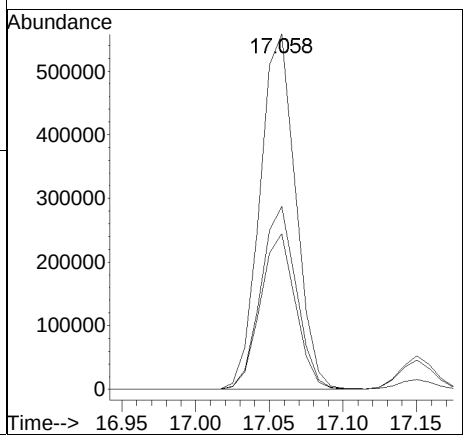


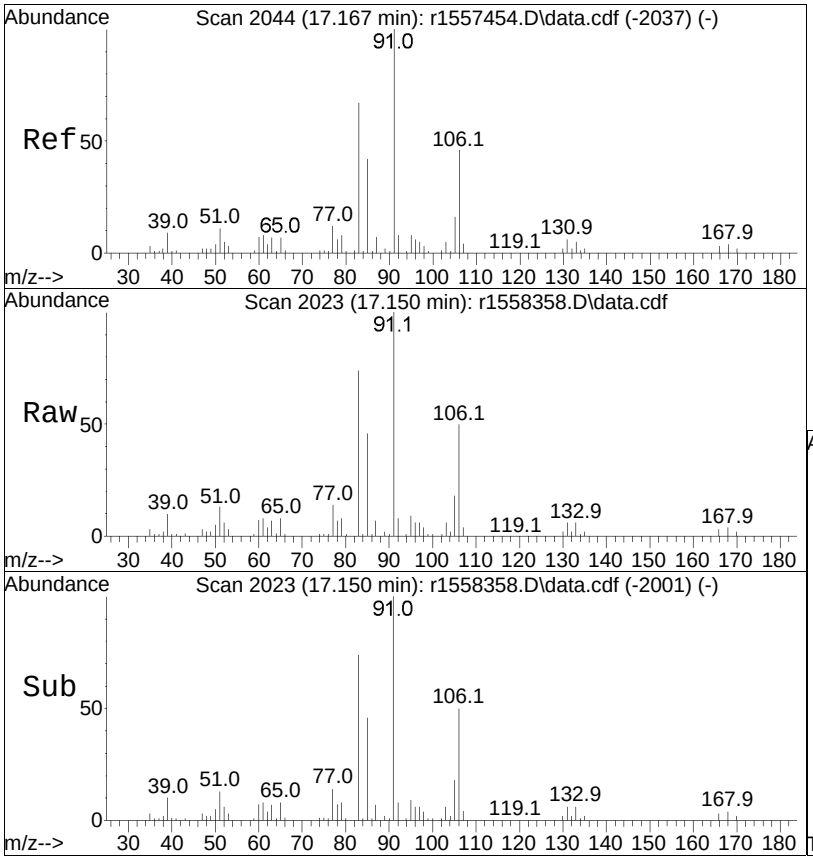


#85
styrene
Concen: 11.60 ppbV
RT: 17.058 min Scan# 2012
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:104 Resp: 944900

Ion	Ratio	Lower	Upper
104	100		
103	43.8	37.0	55.6
78	51.5	43.4	65.0

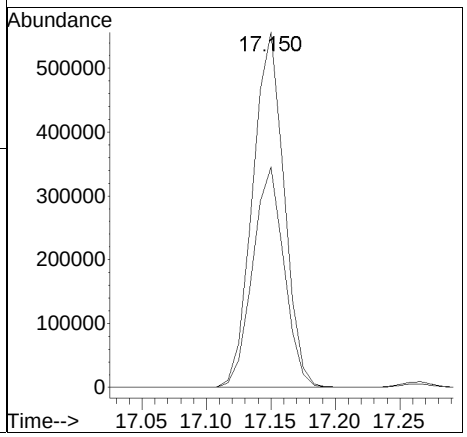


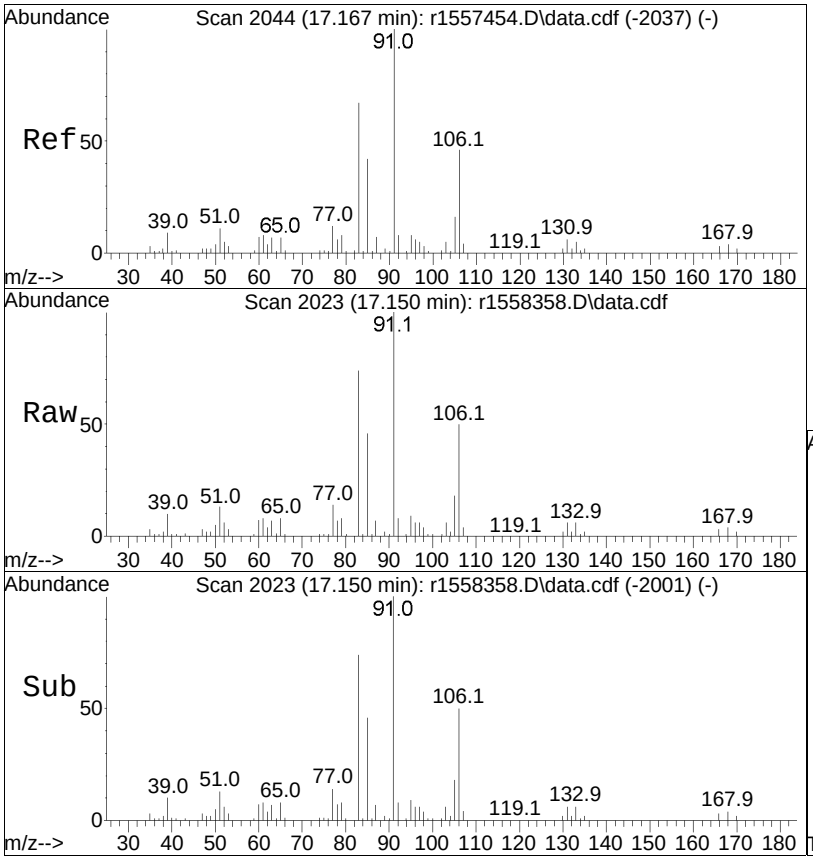


#86
1,1,2,2-tetrachloroethane
Concen: 11.62 ppbV
RT: 17.150 min Scan# 2023
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 83 Resp: 945574

Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.4

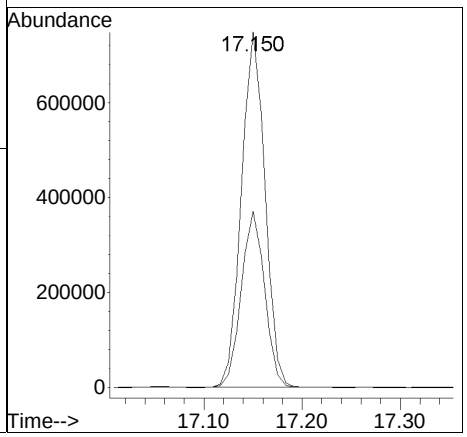


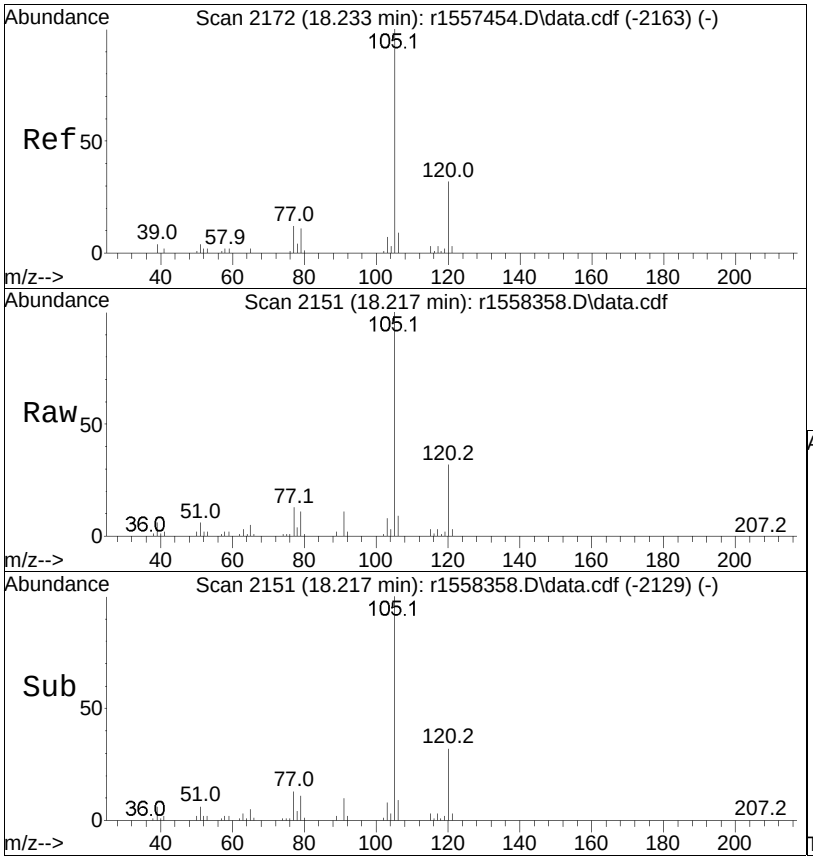


#87
o-xylene
Concen: 10.75 ppbV
RT: 17.150 min Scan# 2023
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 91 Resp: 1247433

Ion	Ratio	Lower	Upper
91	100		
106	49.5	36.6	54.8

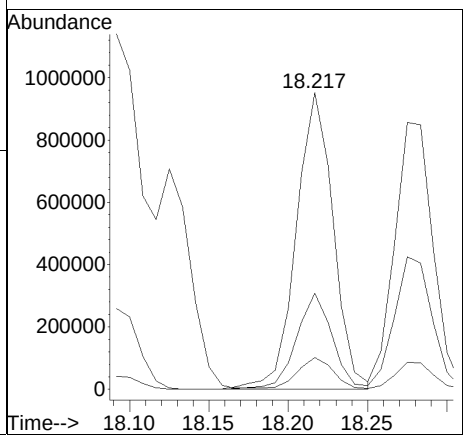


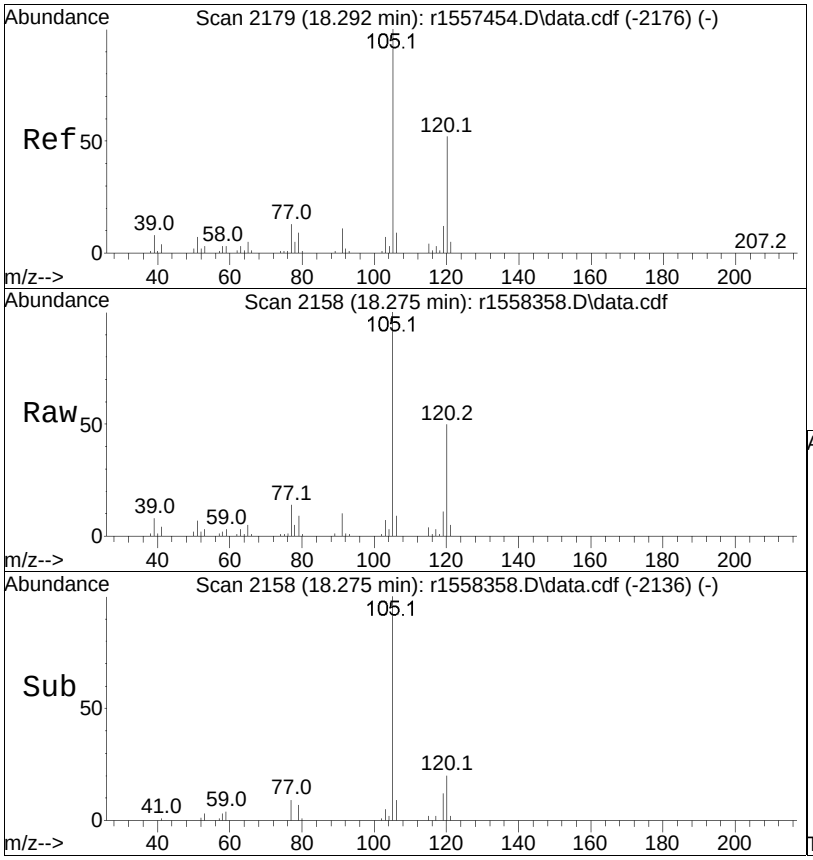


#96
4-ethyl toluene
Concen: 10.44 ppbV
RT: 18.217 min Scan# 2151
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:105 Resp: 1544127

Ion	Ratio	Lower	Upper
105	100		
120	32.4	25.5	38.3
91	10.8	8.8	13.2

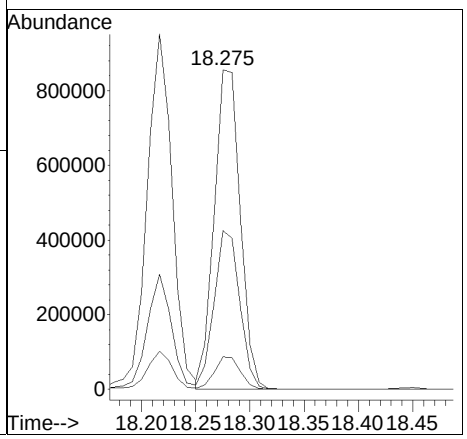


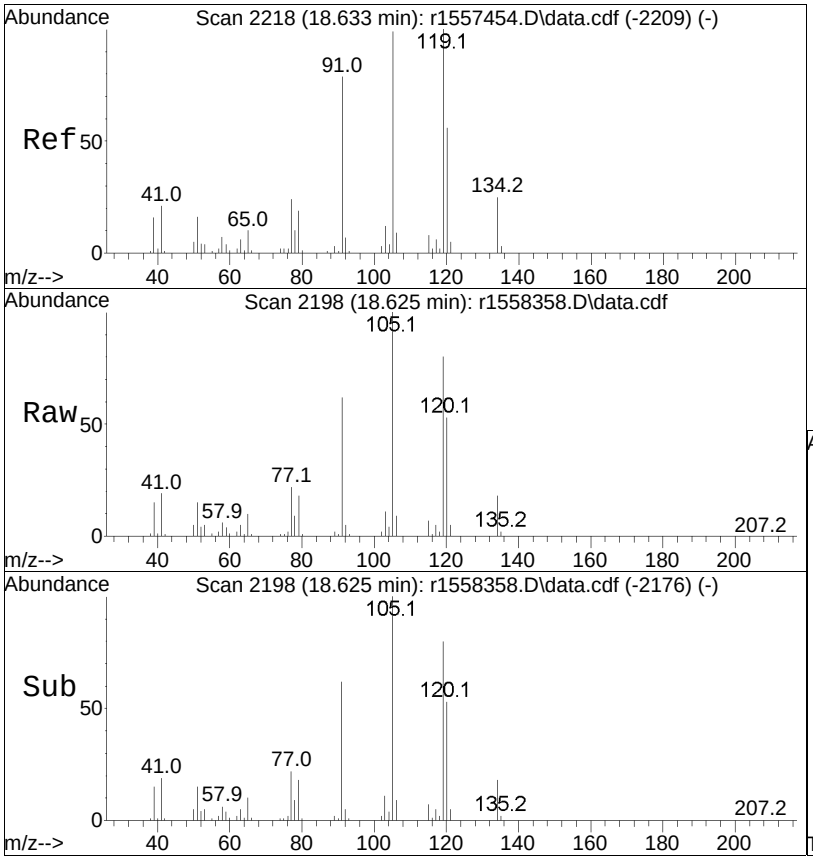


#97
1,3,5-trimethylbenzene
Concen: 11.55 ppbV
RT: 18.275 min Scan# 2158
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:105 Resp: 1431332

Ion	Ratio	Lower	Upper
105	100		
120	49.7	41.6	62.4
91	10.2	8.5	12.7

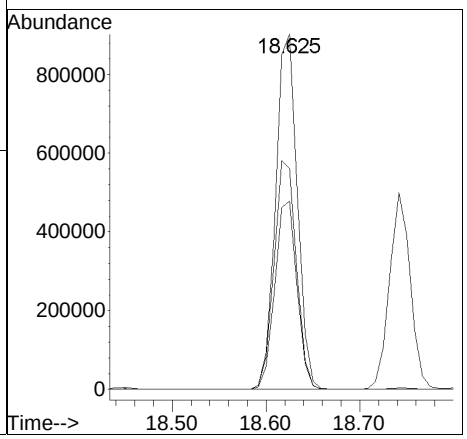


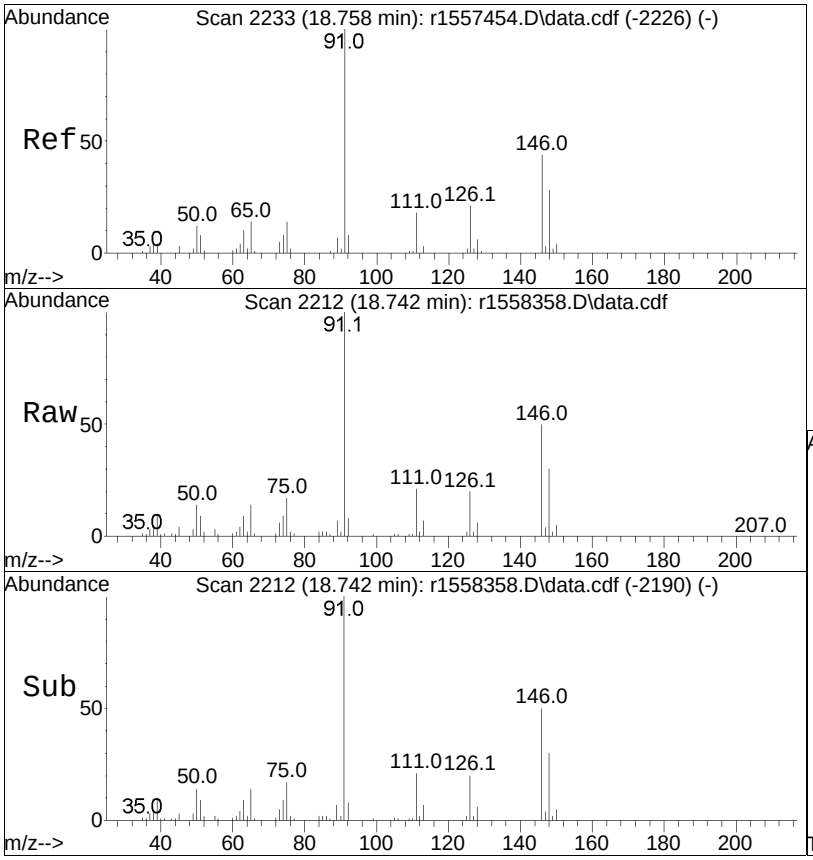


#99
1,2,4-trimethylbenzene
Concen: 11.00 ppbV
RT: 18.625 min Scan# 2198
Delta R.T. -0.008 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:105 Resp: 1452699

Ion	Ratio	Lower	Upper
105	100		
120	53.0	45.3	67.9
91	62.2	64.2	96.2#

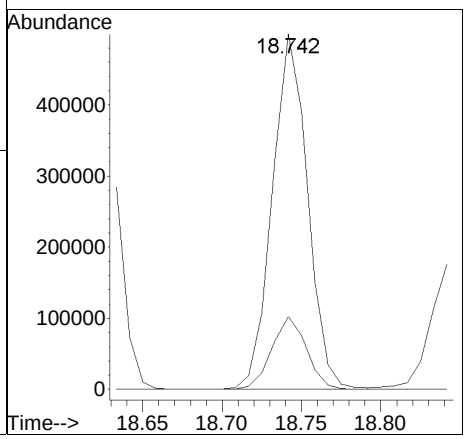


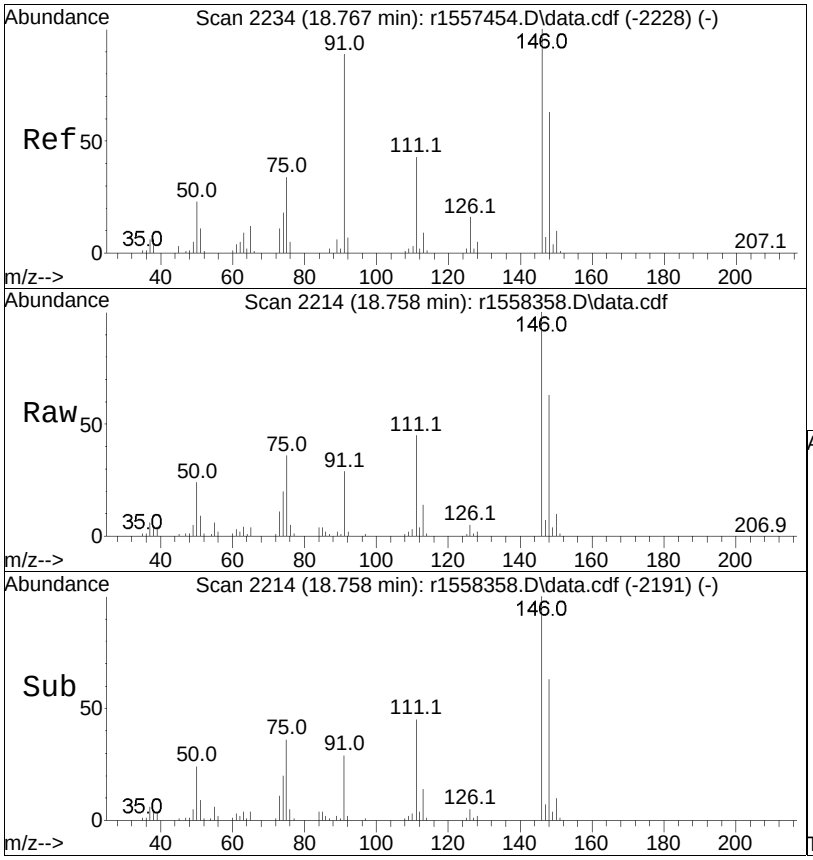


#101
Benzyl Chloride
Concen: 7.83 ppbV
RT: 18.742 min Scan# 2212
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion: 91 Resp: 770613

Ion	Ratio	Lower	Upper
91	100		
126	20.5	16.6	24.8

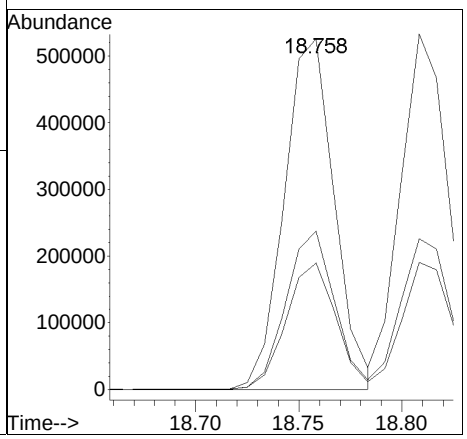


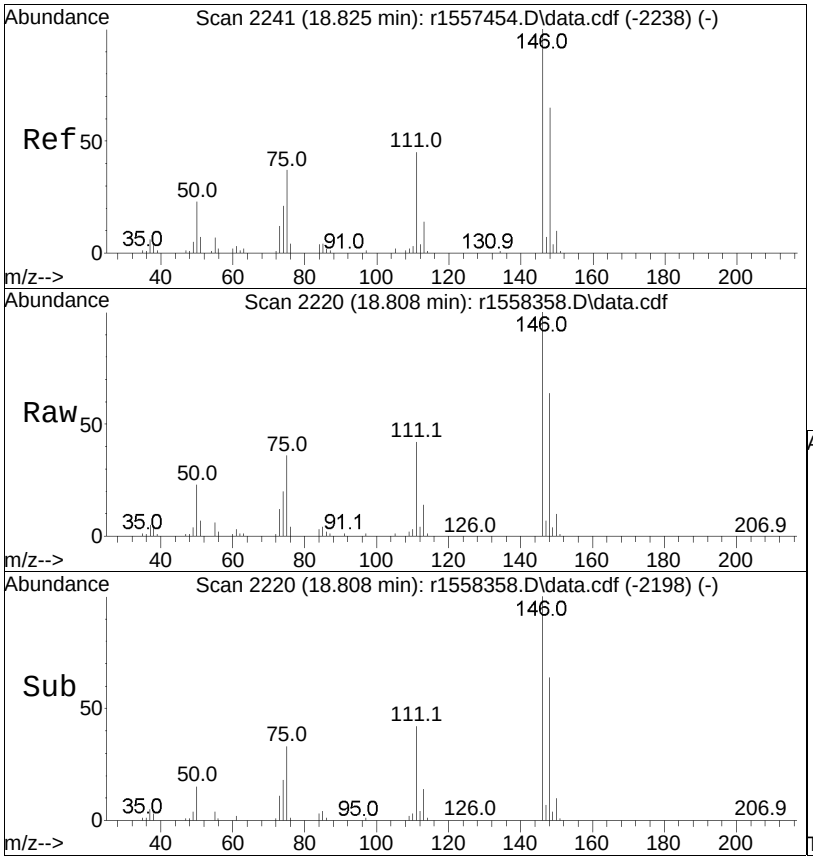


#102
1,3-dichlorobenzene
Concen: 11.49 ppbV
RT: 18.758 min Scan# 2214
Delta R.T. -0.008 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:146 Resp: 888650

Ion	Ratio	Lower	Upper
146	100		
111	45.1	34.3	51.5
75	36.0	27.2	40.8

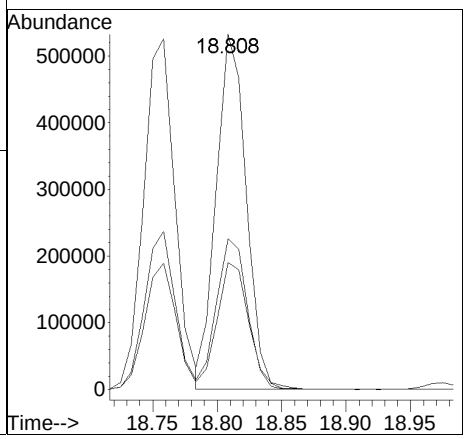


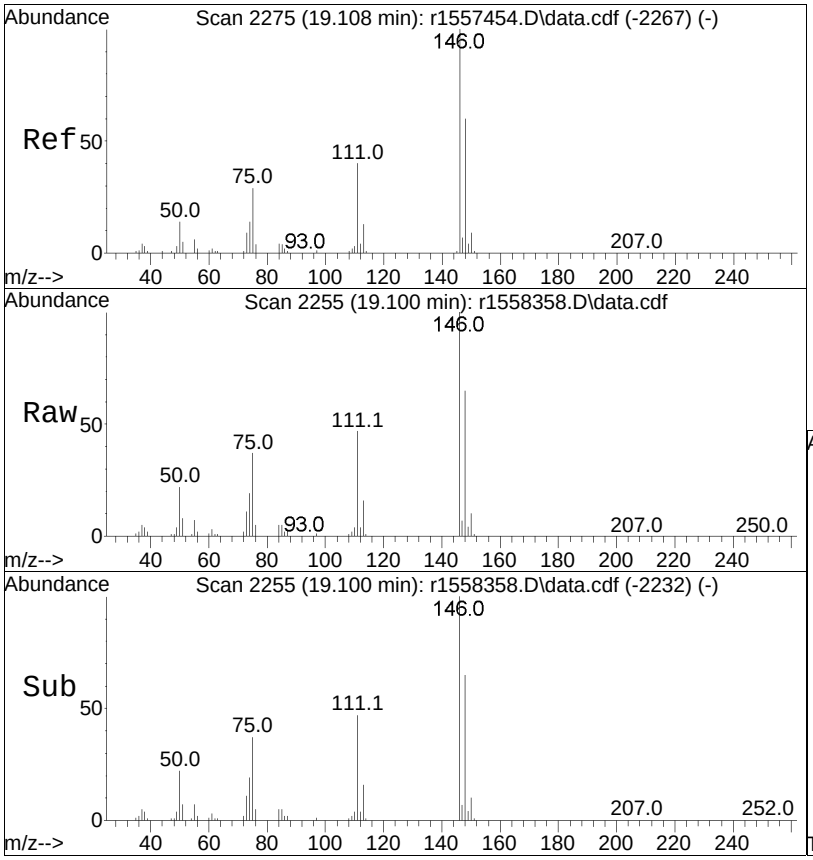


#103
1,4-dichlorobenzene
Concen: 11.21 ppbV
RT: 18.808 min Scan# 2220
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:146 Resp: 859491

Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.5	53.3
75	35.7	29.2	43.8

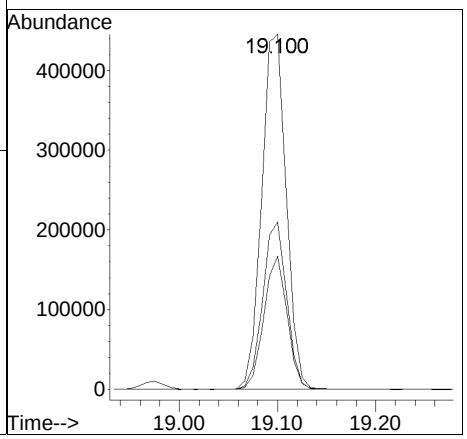


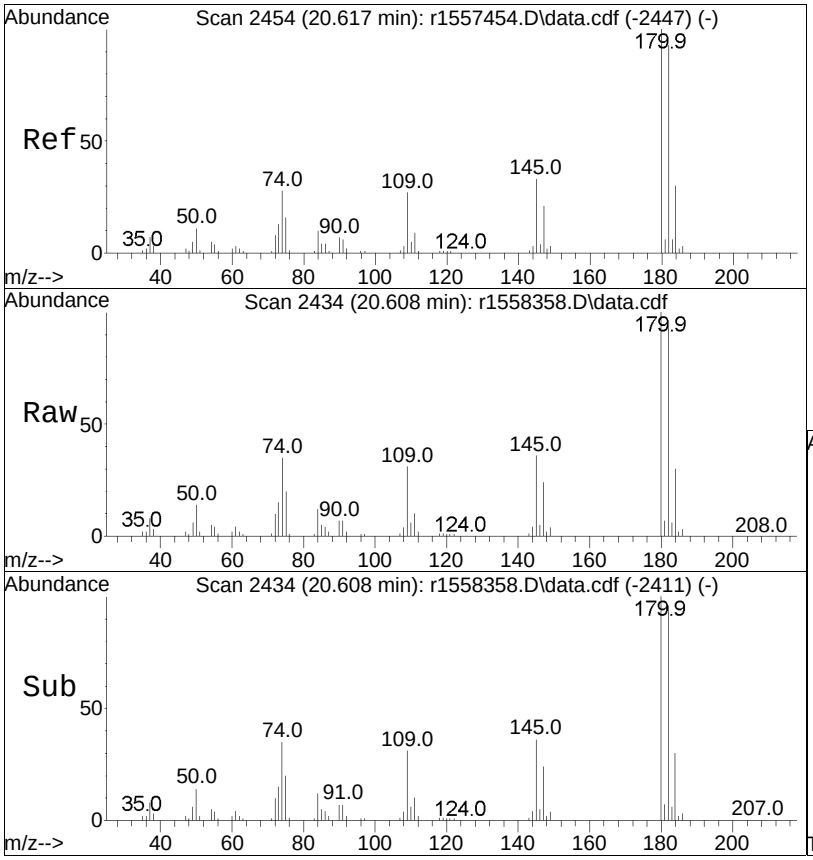


#107
1,2-dichlorobenzene
Concen: 9.88 ppbV
RT: 19.100 min Scan# 2255
Delta R.T. -0.008 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:146 Resp: 772629

Ion	Ratio	Lower	Upper
146	100		
111	47.1	31.8	47.6
75	37.5	23.0	34.4#

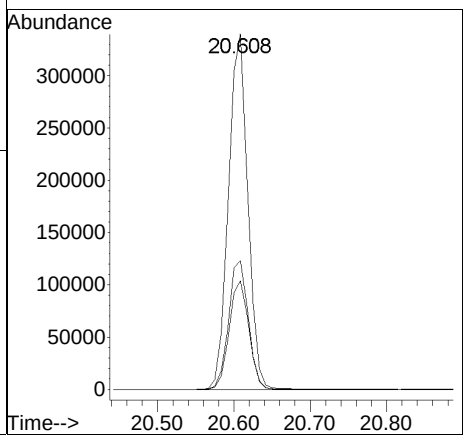


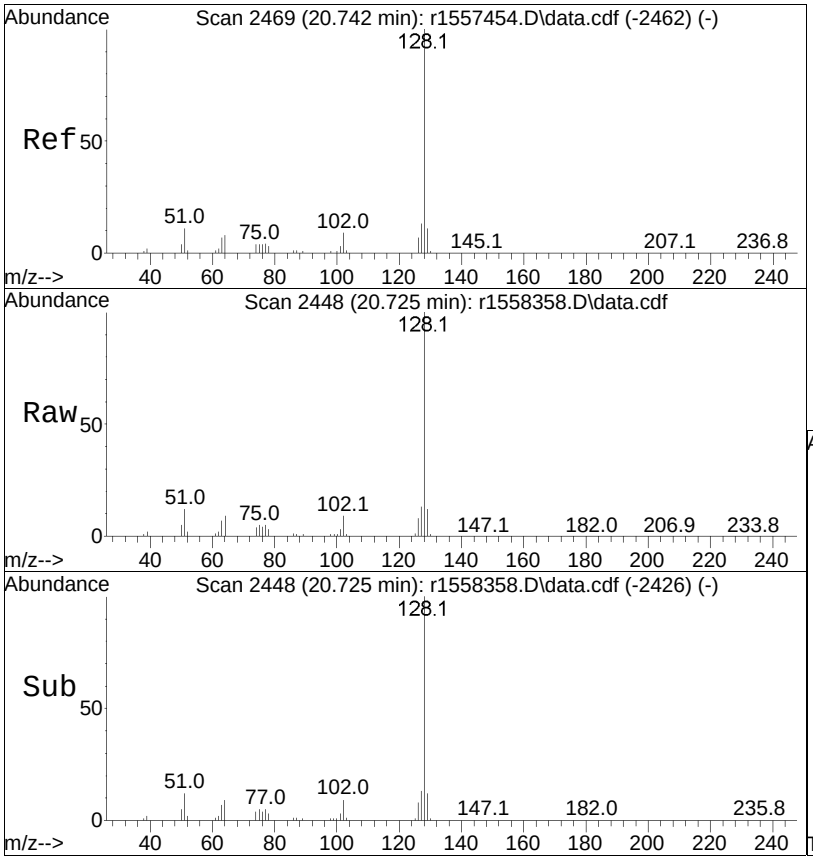


#115
1,2,4-trichlorobenzene
Concen: 11.35 ppbV
RT: 20.608 min Scan# 2434
Delta R.T. -0.008 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:180 Resp: 599567

Ion	Ratio	Lower	Upper
180	100		
145	36.3	26.4	39.6
109	30.6	21.8	32.6

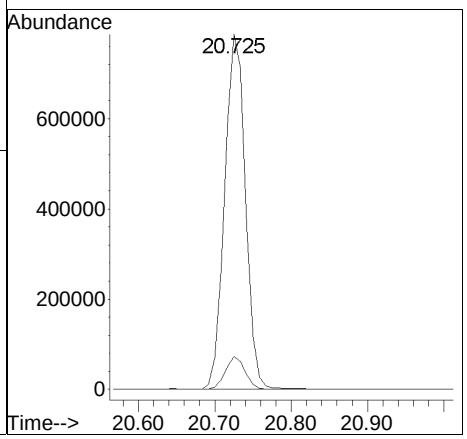


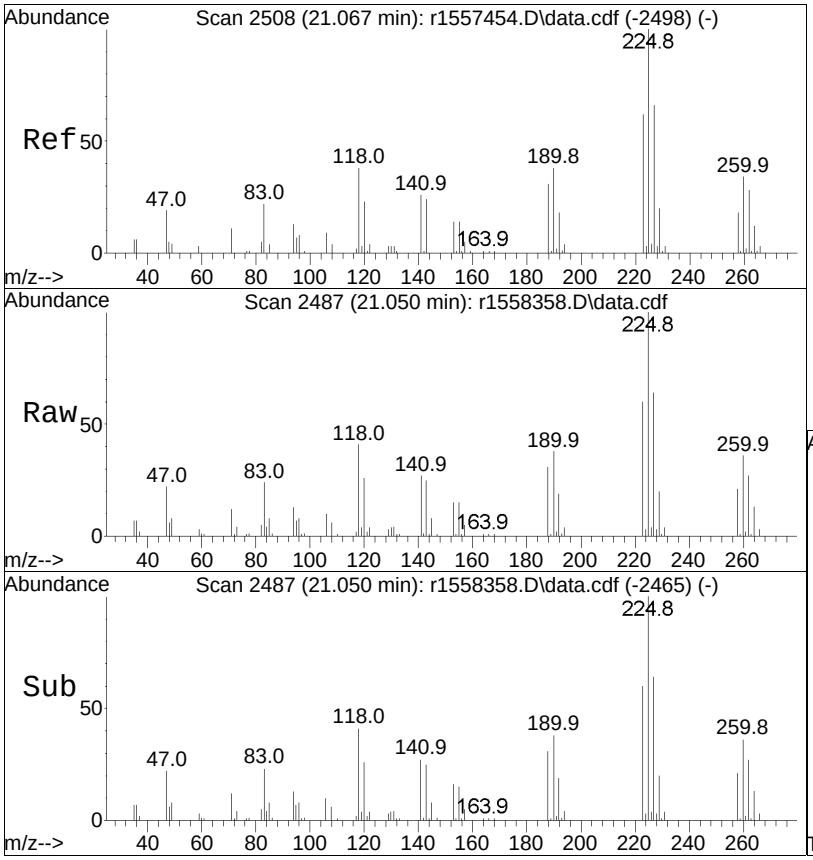


#116
naphthalene
Concen: 7.77 ppbV
RT: 20.725 min Scan# 2448
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:128 Resp: 1491493

Ion	Ratio	Lower	Upper
128	100		
102	9.3	6.9	10.3

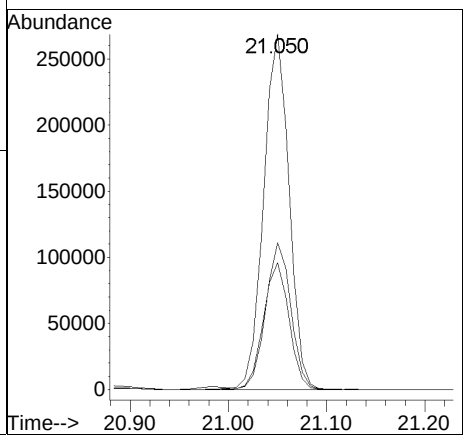




#119
hexachlorobutadiene
Concen: 10.66 ppbV
RT: 21.050 min Scan# 2487
Delta R.T. -0.017 min
Lab File: r1558358.D
Acq: 19 Dec 2025 11:29 AM

Tgt Ion:225 Resp: 483743

Ion	Ratio	Lower	Upper
225	100		
260	35.6	27.4	41.2
118	41.3	30.6	45.8



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237343.D
Acq On : 18 Dec 2025 10:02 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-5D,3,101.69,250
Misc : WG2155905,ICAL22840
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 07:11:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : PADEP-TO15 - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.871	49	205320	10.000	ppbV	0.00
Standard Area = 206017			Recovery =		99.66%	
43) 1,4-difluorobenzene	11.057	114	719226	10.000	ppbV	0.00
Standard Area = 824395			Recovery =		87.24%	
67) chlorobenzene-D5	15.734	54	102659	10.000	ppbV	0.00
Standard Area = 102778			Recovery =		99.88%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.868	85	9809	0.177	ppbV	99
6) chloromethane	4.032	50	3649	0.237	ppbV	100
9) vinyl chloride	0.000		0	N.D.		
10) 1,3-butadiene	4.389	54	31401M6	2.388	ppbV	
13) bromomethane	0.000		0	N.D.		
14) chloroethane	0.000		0	N.D.		
17) vinyl bromide	0.000		0	N.D.		
18) acrolein	5.350	56	811	0.121	ppbV #	47
19) acetone	5.478	43	357424M6	17.826	ppbV	
21) trichlorofluoromethane	5.671	101	4712	0.080	ppbV	97
22) isopropyl alcohol	5.777	45	9064	0.429	ppbV	99
23) acrylonitrile	0.000		0	N.D.	d	
26) 1,1-dichloroethene	0.000		0	N.D.	d	
28) methylene chloride	6.498	49	2939	0.165	ppbV	87
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	6.801	76	34016	0.717	ppbV	100
31) Freon 113	6.796		0	N.D.		
32) trans-1,2-dichloroethene	7.482		0	N.D.		
33) 1,1-dichloroethane	0.000		0	N.D.		
34) MTBE	0.000		0	N.D.		
39) chloroform	9.017		0	N.D.		
40) Tetrahydrofuran	9.490	42	3002	0.227	ppbV	97
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	8.936	57	213093	11.146	ppbV #	4
48) 1,1,1-trichloroethane	0.000		0	N.D.		
50) benzene	10.642	78	54416	1.038	ppbV	99
52) carbon tetrachloride	10.812		0	N.D.		
53) cyclohexane	10.953	56	7802	0.406	ppbV	91
56) 1,2-dichloropropane	11.462		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237343.D
Acq On : 18 Dec 2025 10:02 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-5D,3,101.69,250
Misc : WG2155905,ICAL22840
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 07:11:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab23\2025\12\1218T\R237332.D
Sub List : PADEP-TO15 - .

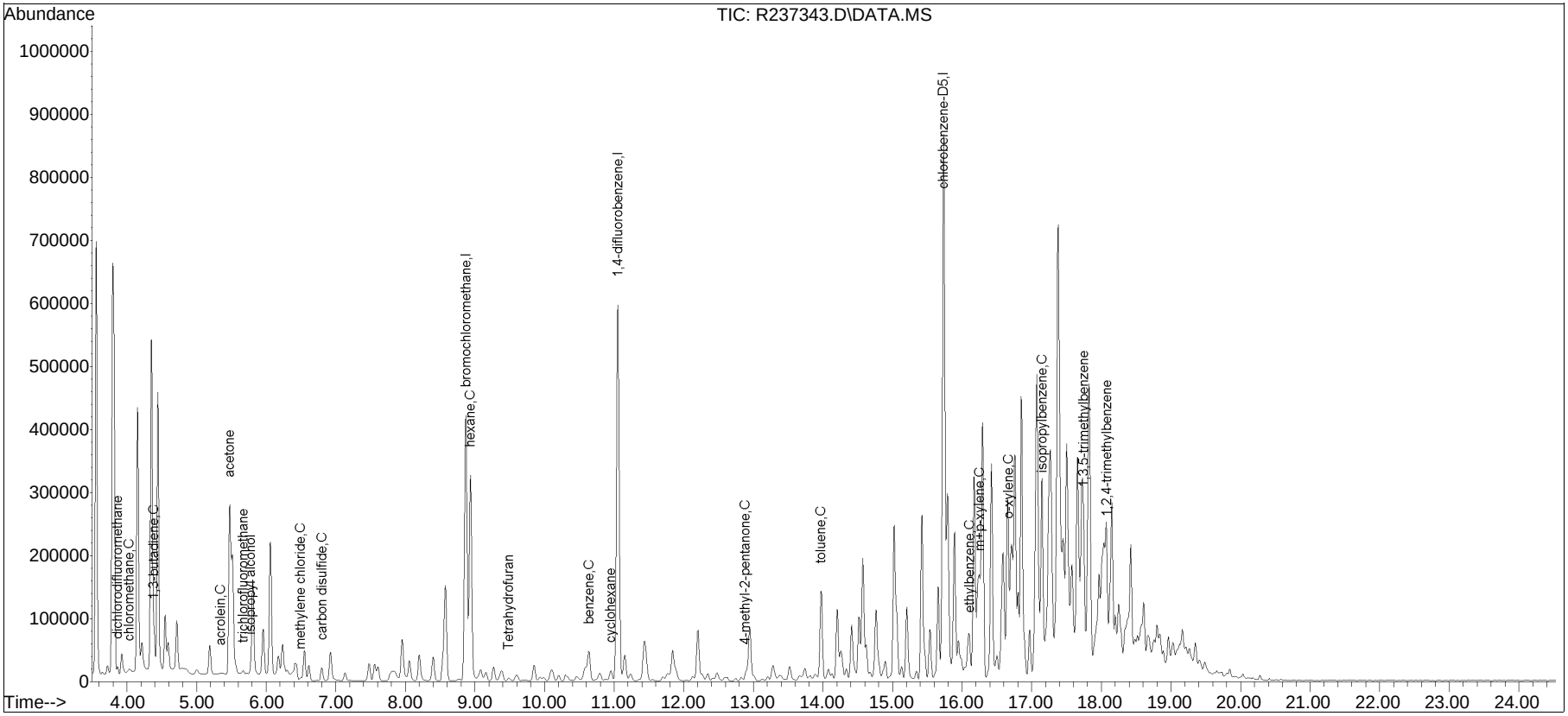
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	11.839		0	N.D.		
61) methyl methacrylate	0.000		0	N.D.	d	
64) 4-methyl-2-pentanone	12.887	43	8450	0.321	ppbV #	93
66) 1,1,2-trichloroethane	0.000		0	N.D.	d	
68) toluene	13.972	91	148531	2.090	ppbV	99
71) 1,3-dichloropropane	13.972		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	15.148		0	N.D.		
80) chlorobenzene	0.000		0	N.D.	d	
81) ethylbenzene	16.109	91	41245	0.454	ppbV	96
83) m+p-xylene	16.257	91	84005	1.217	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	16.570		0	N.D.		
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	16.666	91	37777	0.542	ppbV	98
91) isopropylbenzene	17.153	105	9481	0.097	ppbV	97
97) 1,3,5-trimethylbenzene	17.745	105	11824	0.153	ppbV #	97
99) 1,2,4-trimethylbenzene	18.079	105	32810	0.397	ppbV #	56
101) Benzyl Chloride	18.199		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	20.092		0	N.D.		

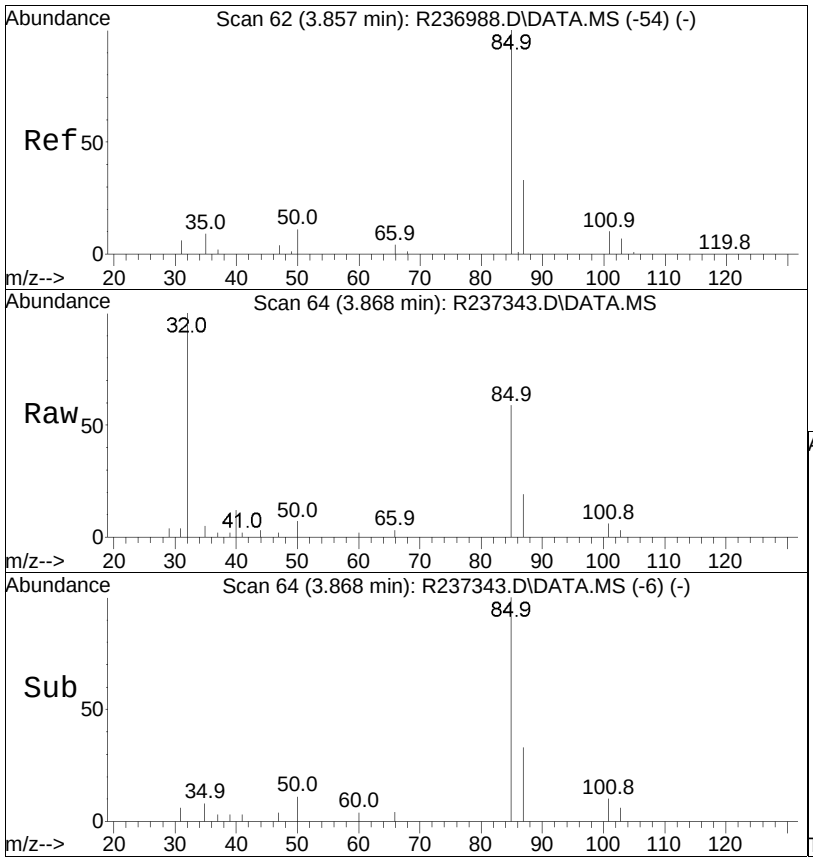
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : PADEP-TO15 - .\Airlab23\2025\12\1218T\R237332.D

Data Path : X:\Airlab\Data\Airlab23\2025\12\1218T\
Data File : R237343.D
Acq On : 18 Dec 2025 10:02 pm
Operator : AIRLAB23:TPH
Sample : WG2155905-5D,3,101.69,250
Misc : WG2155905,ICAL22840
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 07:11:15 2025
Quant Method : X:\Airlab\Data\Airlab23\2025\12\1218T\TFS23_251121.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Nov 23 15:33:01 2025
Response via : Initial Calibration

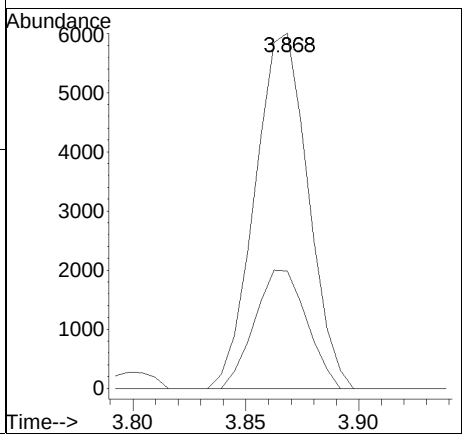


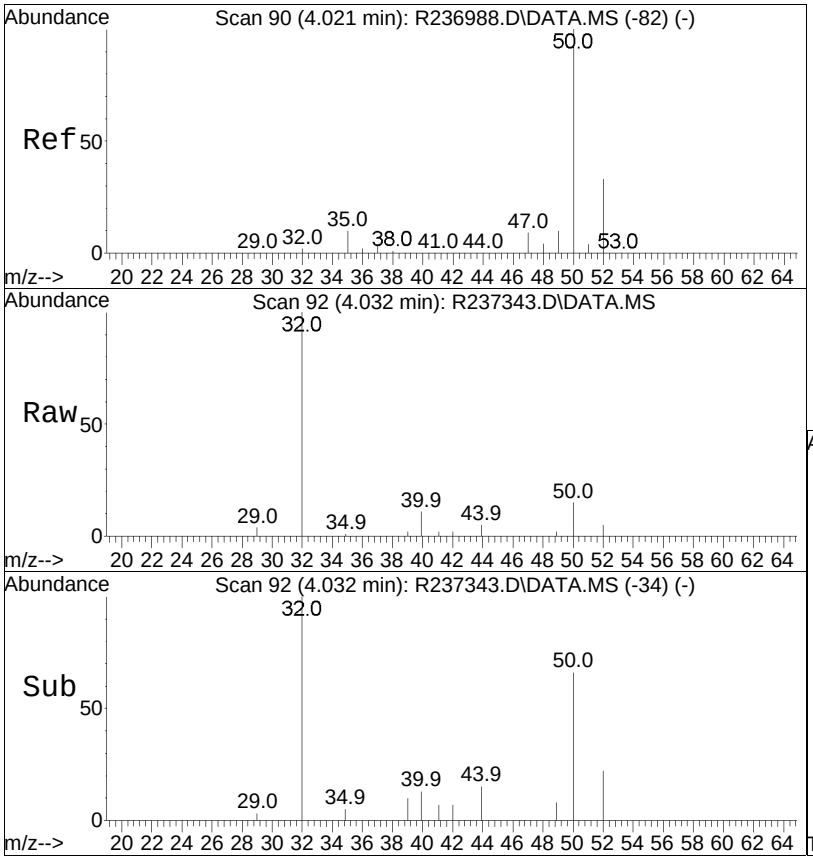


#5
dichlorodifluoromethane
Concen: 0.18 ppbV
RT: 3.868 min Scan# 64
Delta R.T. 0.012 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 85 Resp: 9809

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.8	40.2

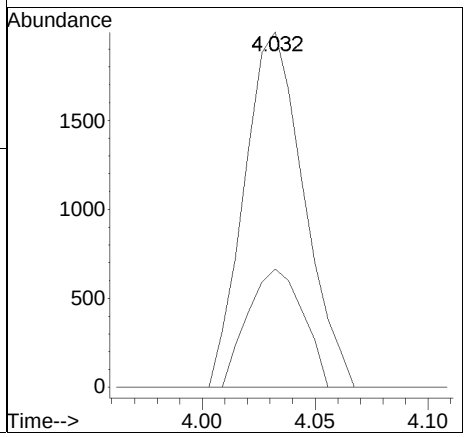


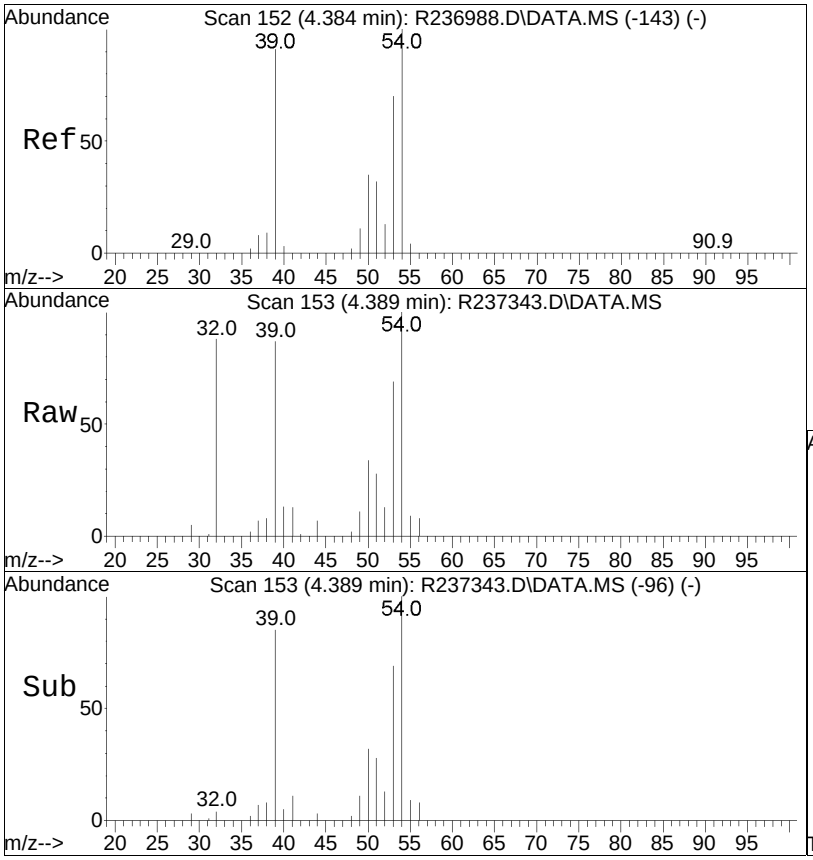


#6
chloromethane
Concen: 0.24 ppbV
RT: 4.032 min Scan# 92
Delta R.T. 0.012 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 50 Resp: 3649

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.8	40.2

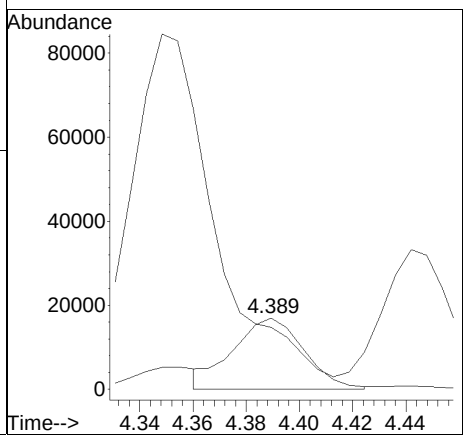


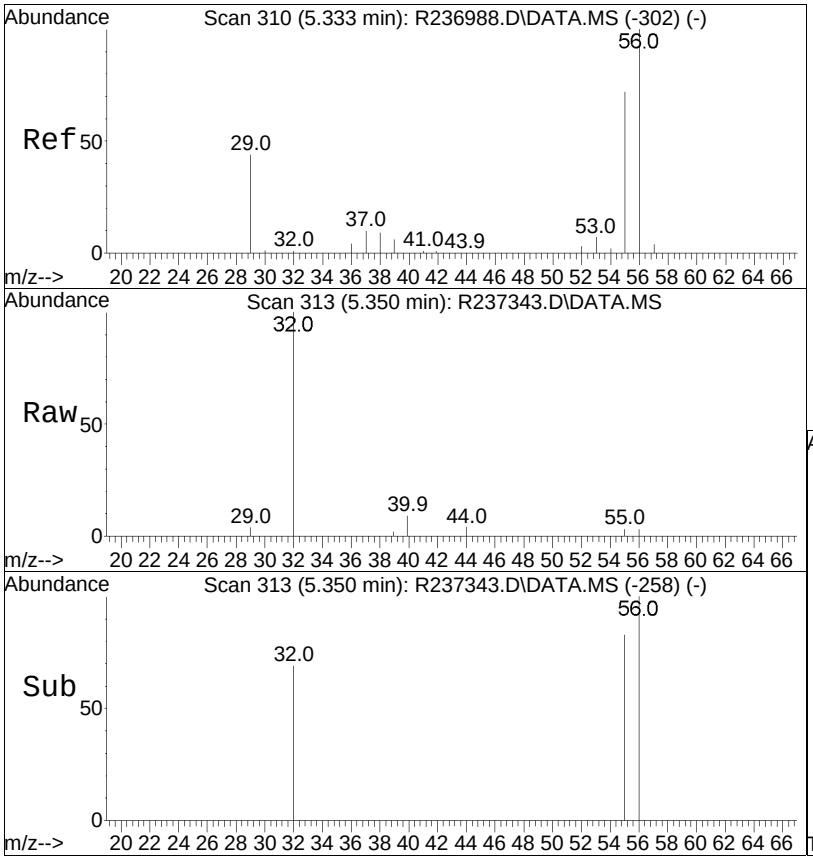


#10
1,3-butadiene
Concen: 2.39 ppbV m
RT: 4.389 min Scan# 153
Delta R.T. 0.006 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 54 Resp: 31401

Ion	Ratio	Lower	Upper
54	100		
39	87.0	73.1	109.7

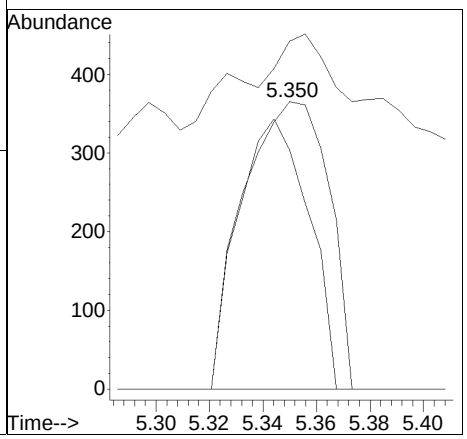


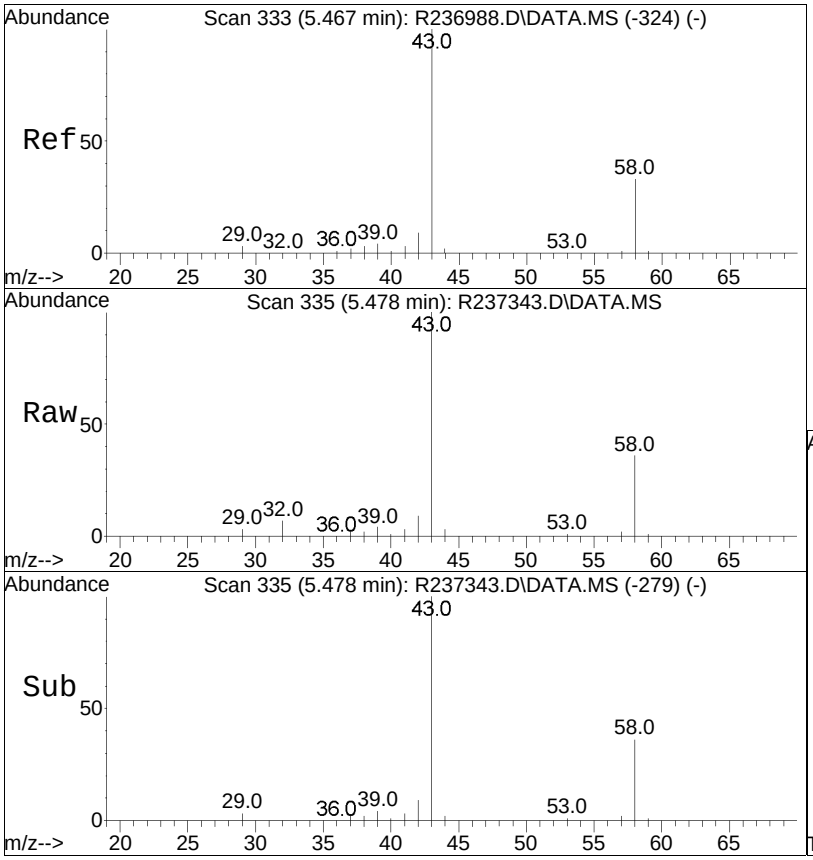


#18
acrolein
Concen: 0.12 ppbV
RT: 5.350 min Scan# 313
Delta R.T. 0.017 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 56 Resp: 811

Ion	Ratio	Lower	Upper
56	100		
55	83.3	57.6	86.4
29	121.1	36.2	54.4#

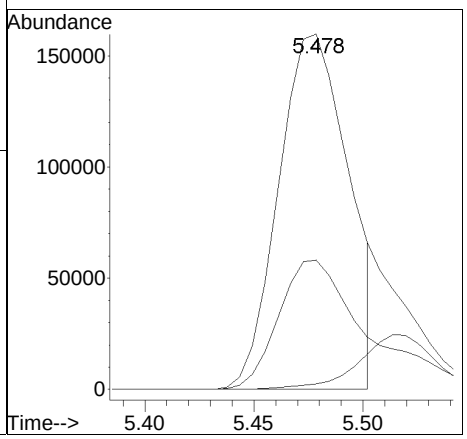


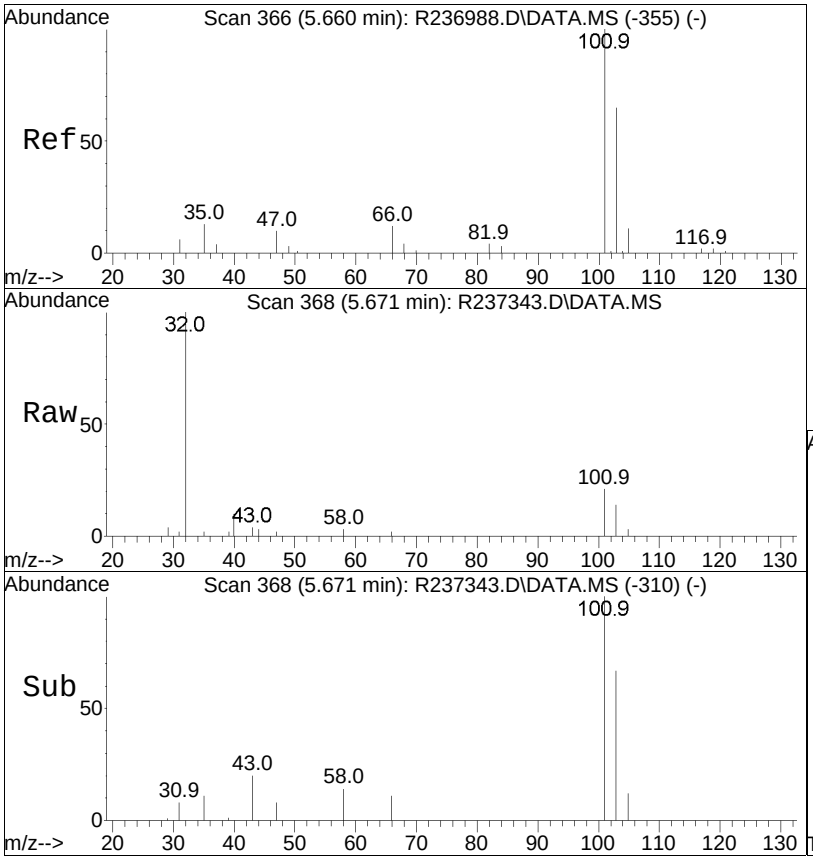


#19
acetone
Concen: 17.83 ppbV m
RT: 5.478 min Scan# 335
Delta R.T. 0.011 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 43 Resp: 357424

Ion	Ratio	Lower	Upper
43	100		
58	36.4	26.2	39.4
57	1.6	0.7	1.1#

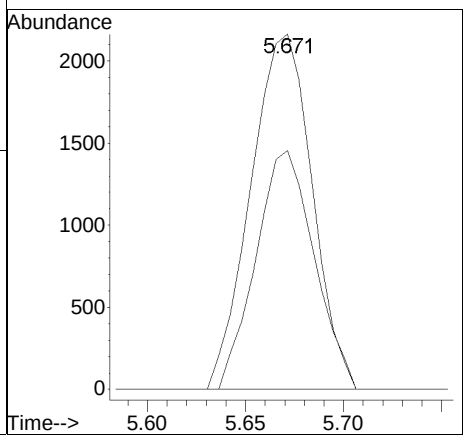


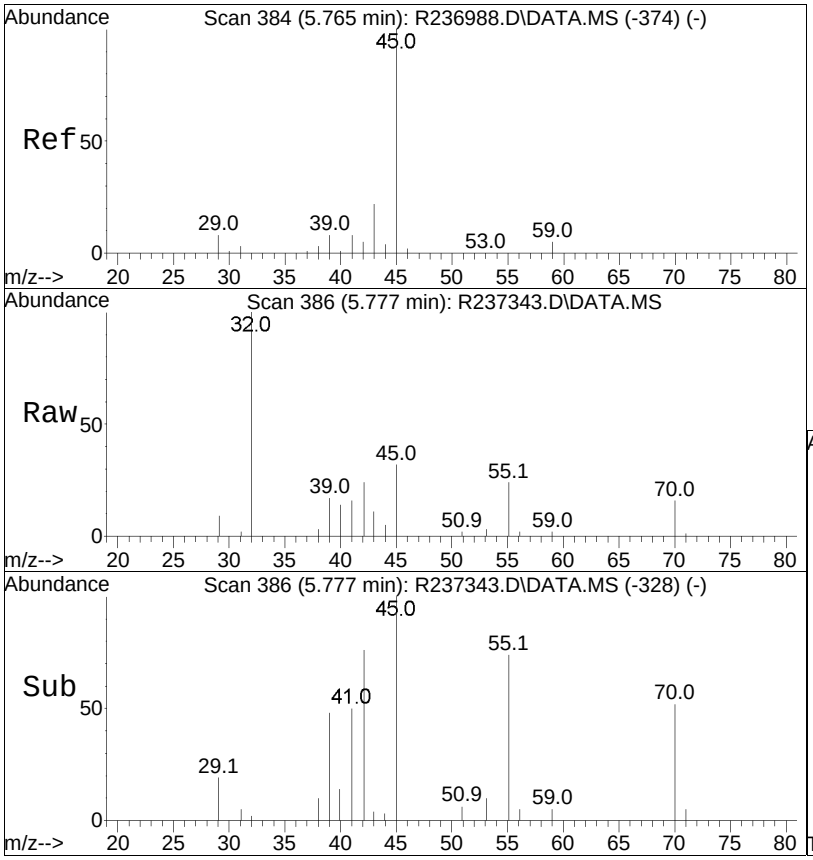


#21
trichlorofluoromethane
Concen: 0.08 ppbV
RT: 5.671 min Scan# 368
Delta R.T. 0.011 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion:101 Resp: 4712

Ion	Ratio	Lower	Upper
101	100		
103	67.2	52.1	78.1

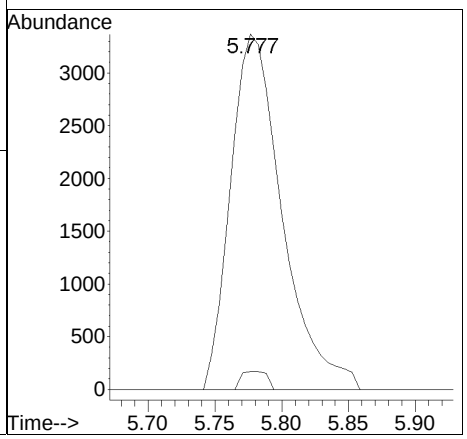


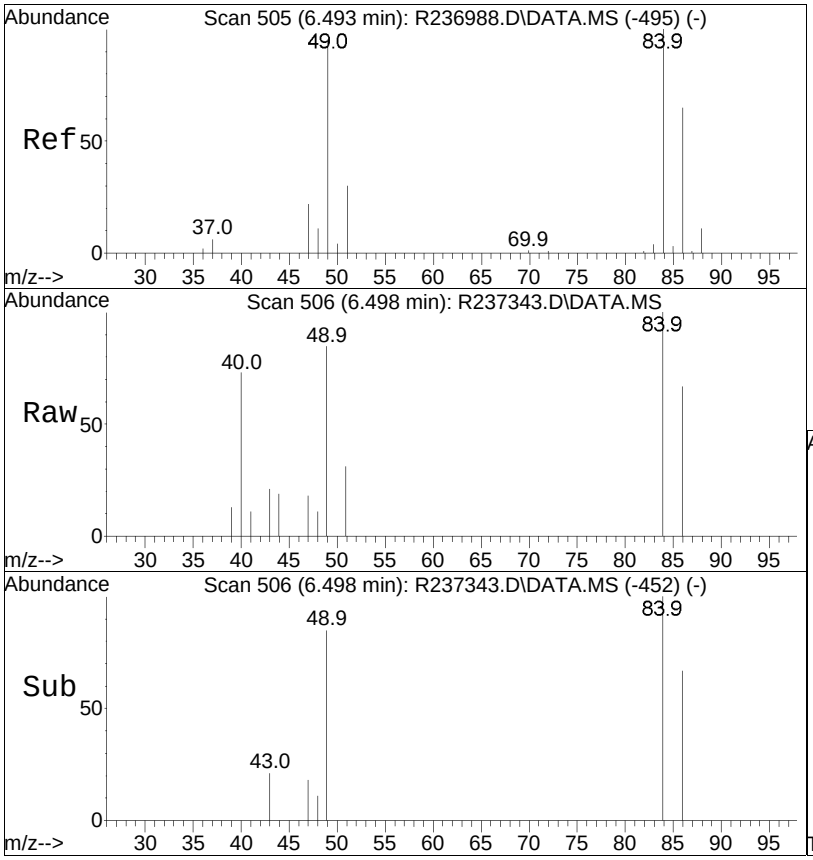


#22
isopropyl alcohol
Concen: 0.43 ppbV
RT: 5.777 min Scan# 386
Delta R.T. 0.011 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 45 Resp: 9064

Ion	Ratio	Lower	Upper
45	100		
59	5.0	3.8	5.6

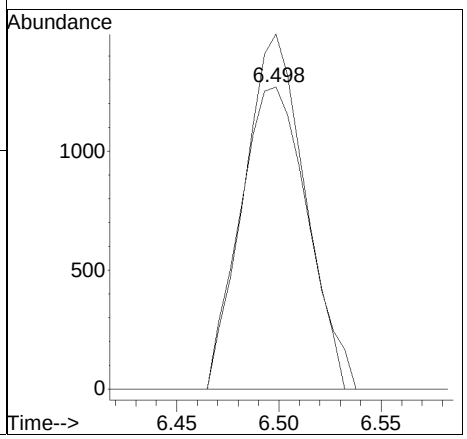


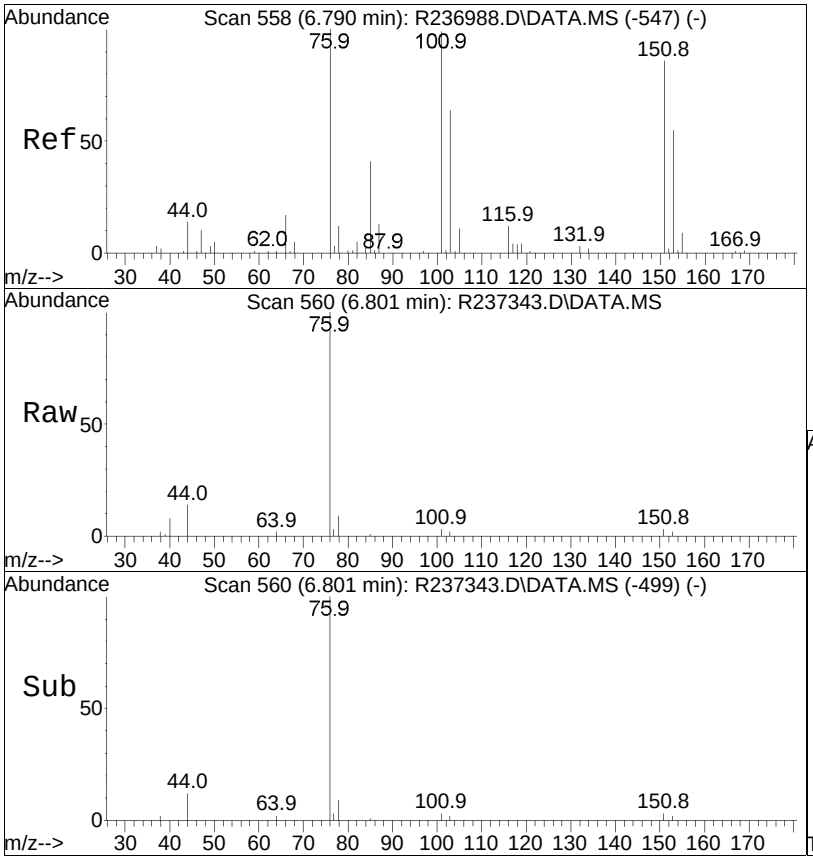


#28
methylene chloride
Concen: 0.16 ppbV
RT: 6.498 min Scan# 506
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 49 Resp: 2939

Ion	Ratio	Lower	Upper
49	100		
84	117.5	83.7	125.5

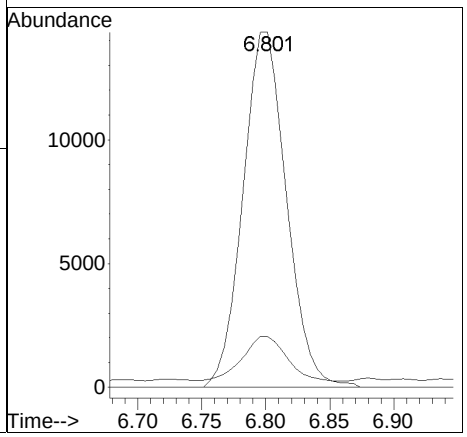


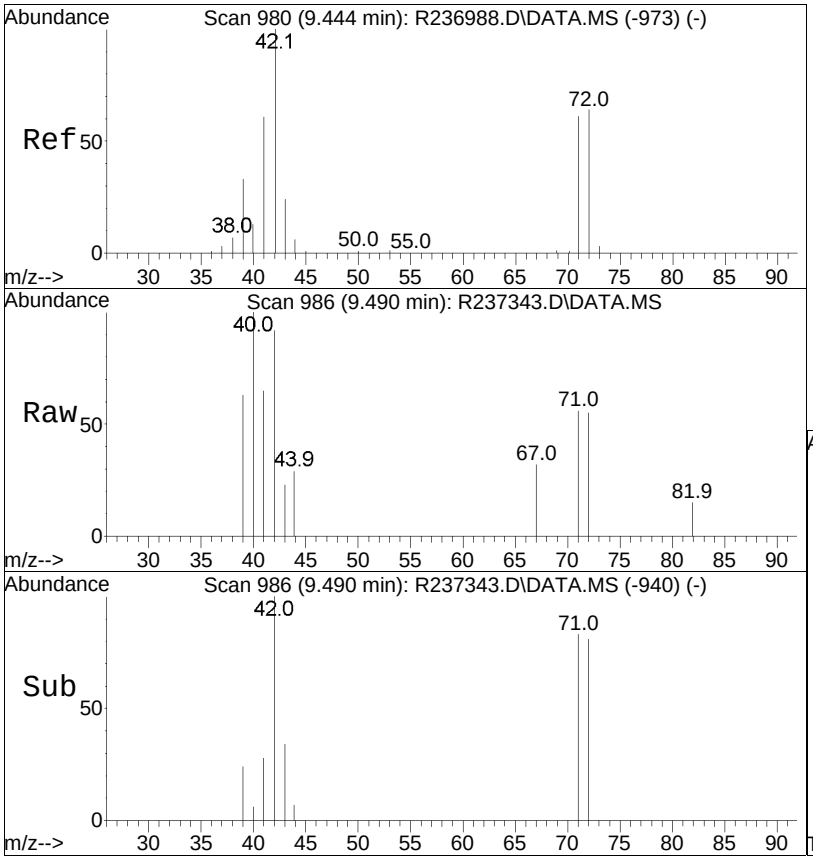


#30
carbon disulfide
Concen: 0.72 ppbV
RT: 6.801 min Scan# 560
Delta R.T. 0.011 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 76 Resp: 34016

Ion	Ratio	Lower	Upper
76	100		
44	14.3	11.5	17.3

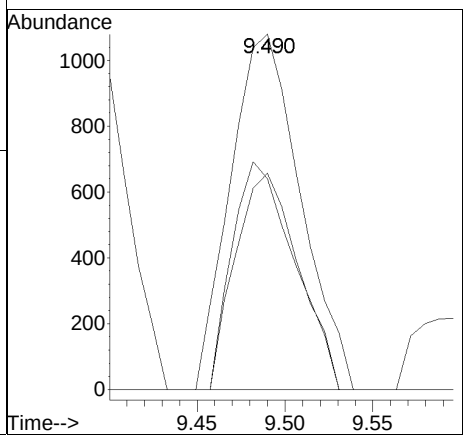


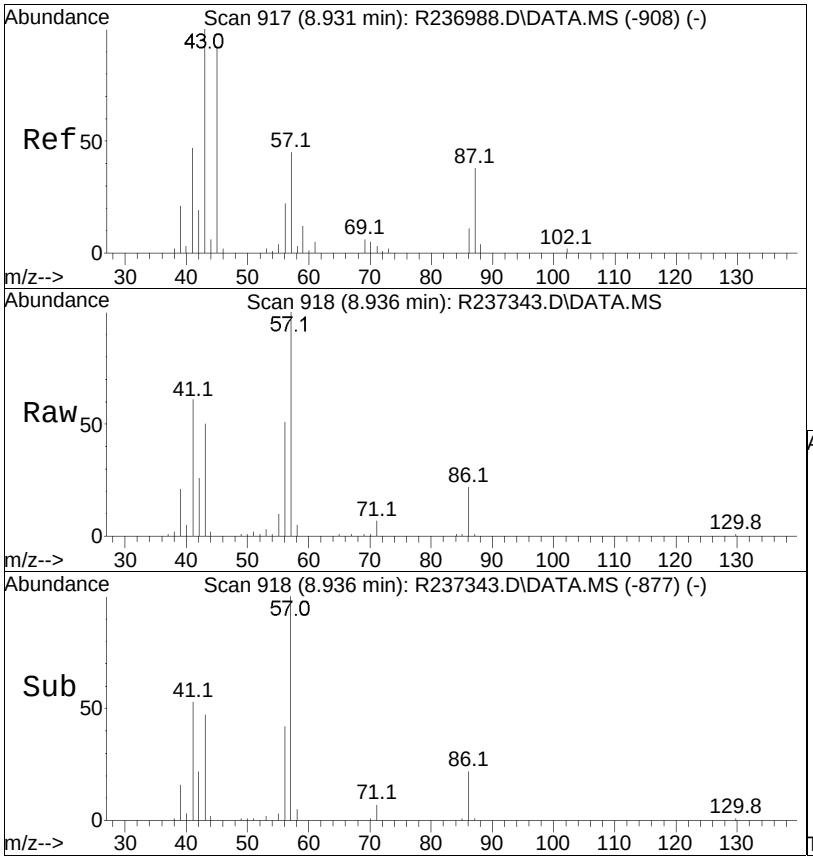


#40
Tetrahydrofuran
Concen: 0.23 ppbV
RT: 9.490 min Scan# 986
Delta R.T. 0.046 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 42 Resp: 3002

Ion	Ratio	Lower	Upper
42	100		
71	60.8	48.6	72.8
72	59.4	51.2	76.8

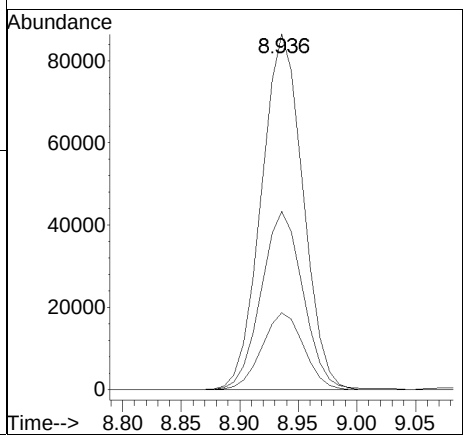


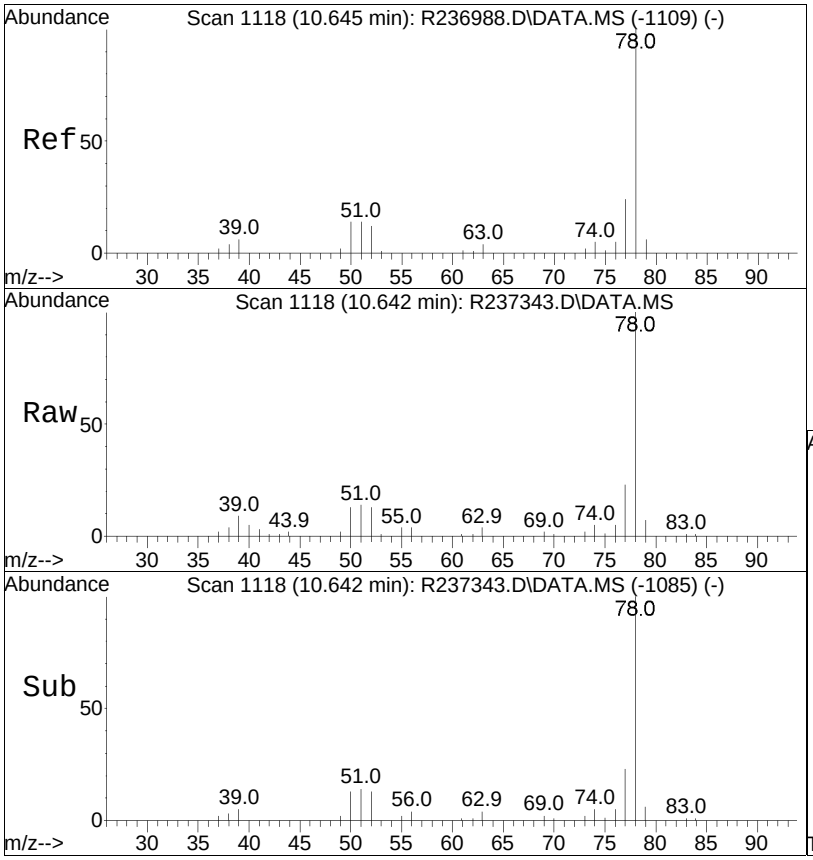


#44
hexane
Concen: 11.15 ppbV
RT: 8.936 min Scan# 918
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 57 Resp: 213093

Ion	Ratio	Lower	Upper
57	100		
43	50.1	177.1	265.7#
86	21.6	18.6	28.0

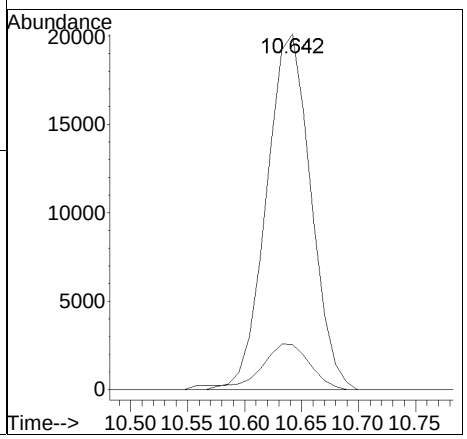


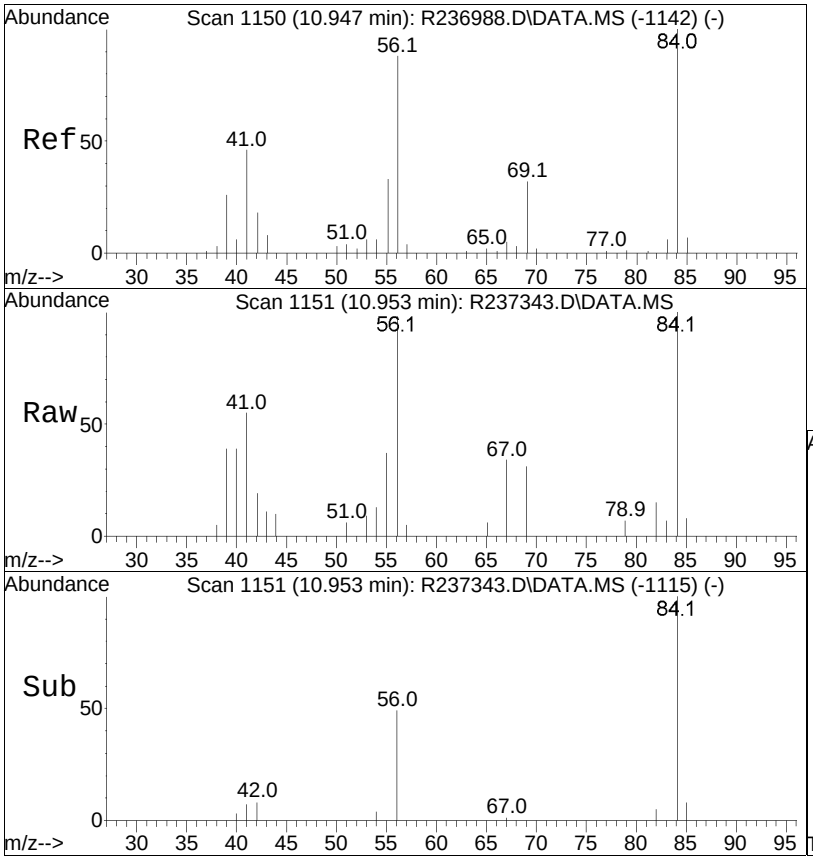


#50
benzene
Concen: 1.04 ppbV
RT: 10.642 min Scan# 1118
Delta R.T. -0.003 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 78 Resp: 54416

Ion	Ratio	Lower	Upper
78	100		
52	12.7	9.9	14.9

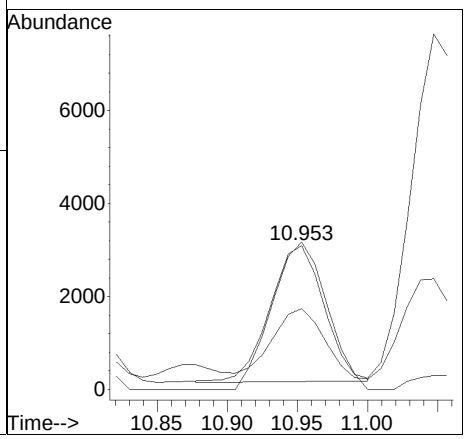


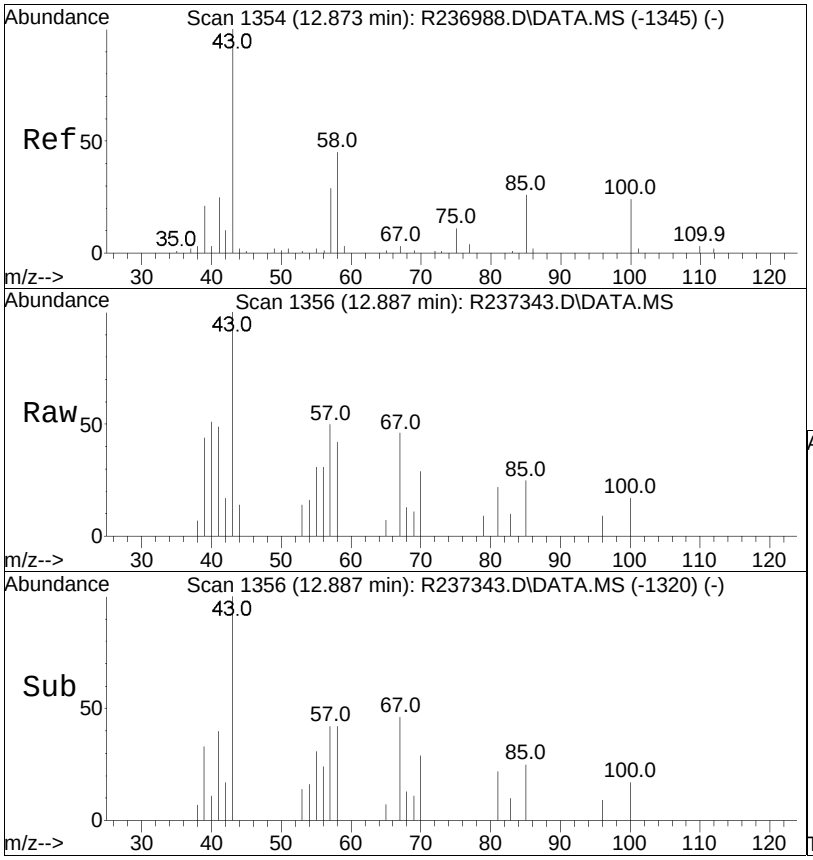


#53
cyclohexane
Concen: 0.41 ppbV
RT: 10.953 min Scan# 1151
Delta R.T. 0.006 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 56 Resp: 7802

Ion	Ratio	Lower	Upper
56	100		
84	102.5	91.1	136.7
41	56.1	42.2	63.2

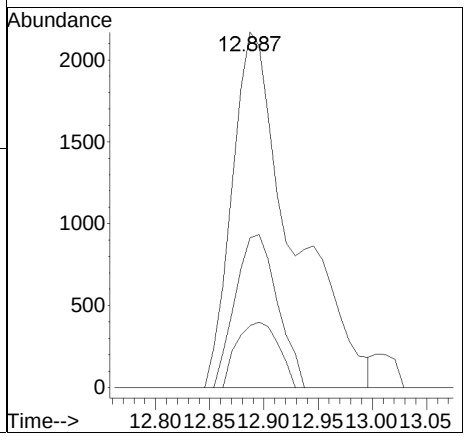


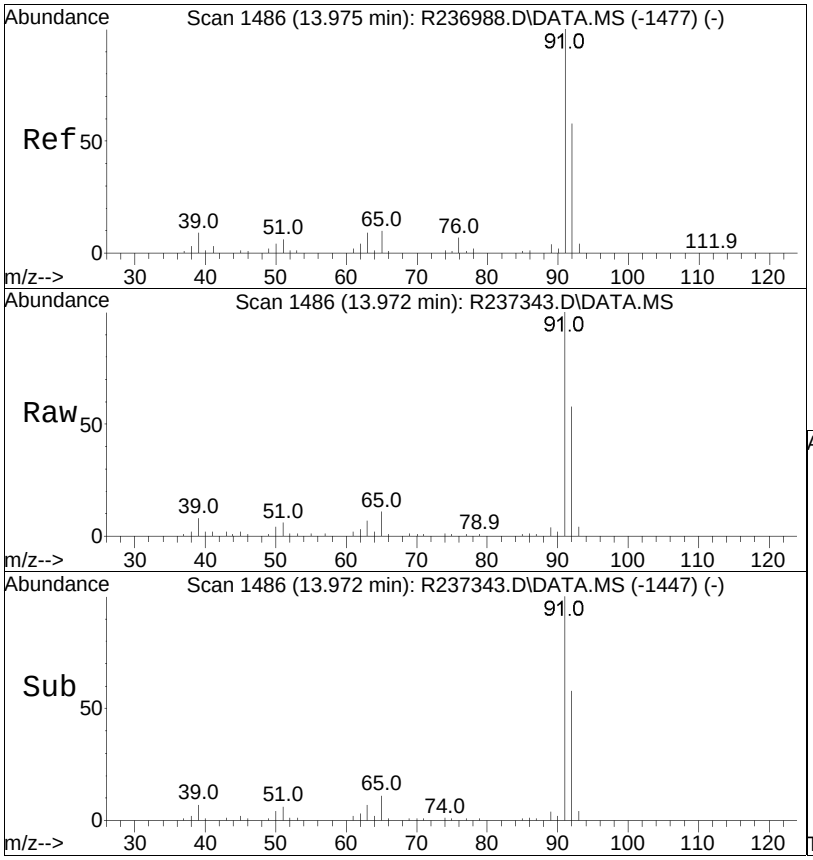


#64
4-methyl-2-pentanone
Concen: 0.32 ppbV
RT: 12.887 min Scan# 1356
Delta R.T. 0.014 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 43 Resp: 8450

Ion	Ratio	Lower	Upper
43	100		
58	42.1	35.7	53.5
100	17.4	19.0	28.6#

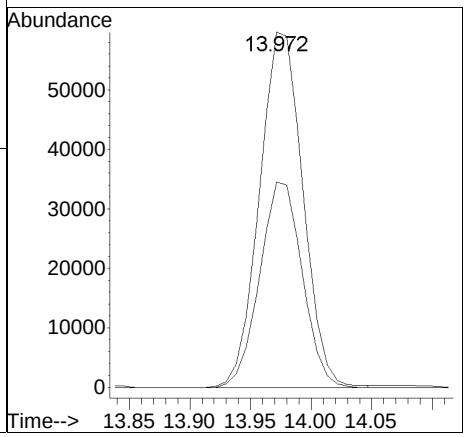


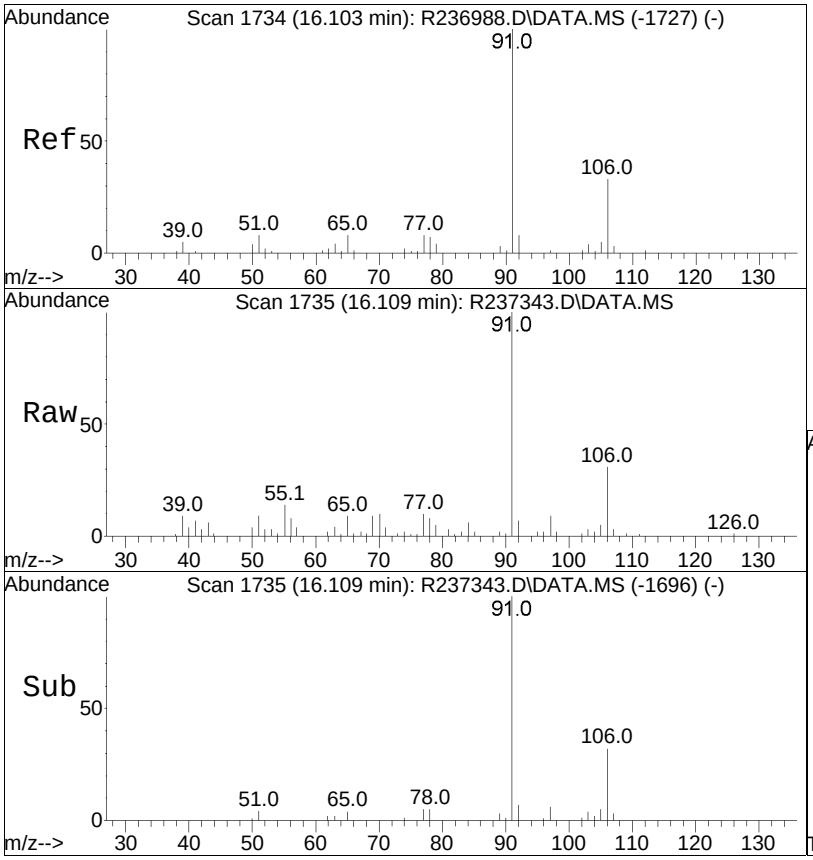


#68
toluene
Concen: 2.09 ppbV
RT: 13.972 min Scan# 1486
Delta R.T. -0.003 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 91 Resp: 148531

Ion	Ratio	Lower	Upper
91	100		
92	57.8	46.6	70.0

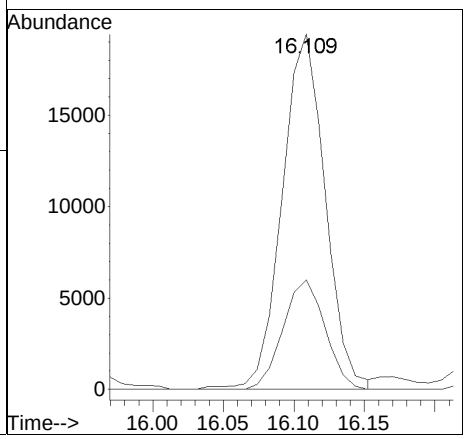


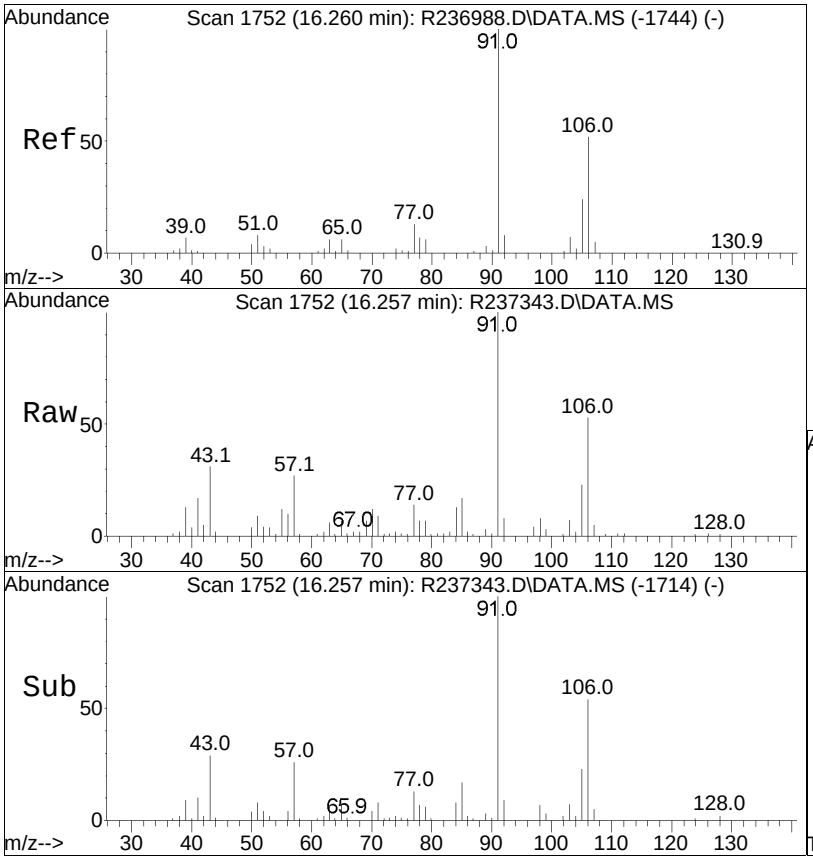


#81
ethylbenzene
Concen: 0.45 ppbV
RT: 16.109 min Scan# 1735
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 91 Resp: 41245

Ion	Ratio	Lower	Upper
91	100		
106	30.8	26.6	40.0

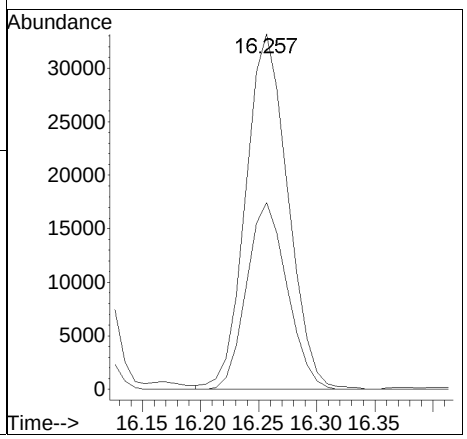


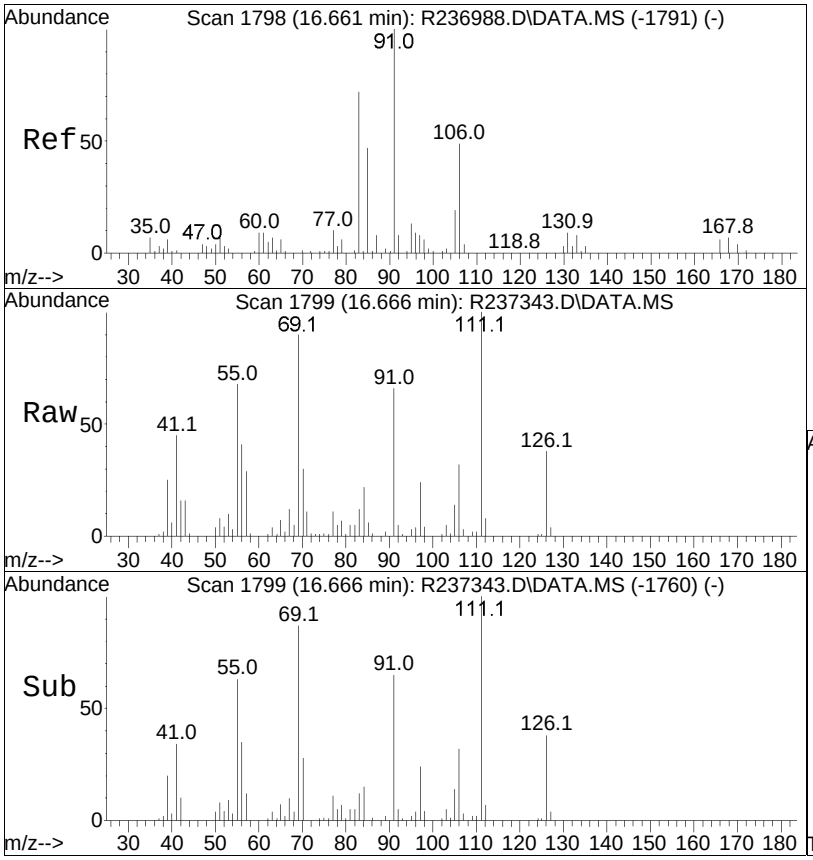


#83
m+p-xylene
Concen: 1.22 ppbV
RT: 16.257 min Scan# 1752
Delta R.T. -0.003 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 91 Resp: 84005

Ion	Ratio	Lower	Upper
91	100		
106	52.6	41.7	62.5

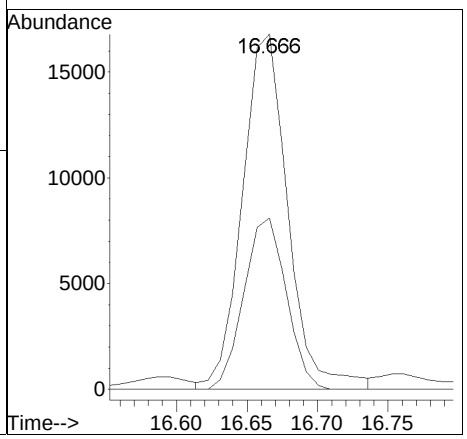


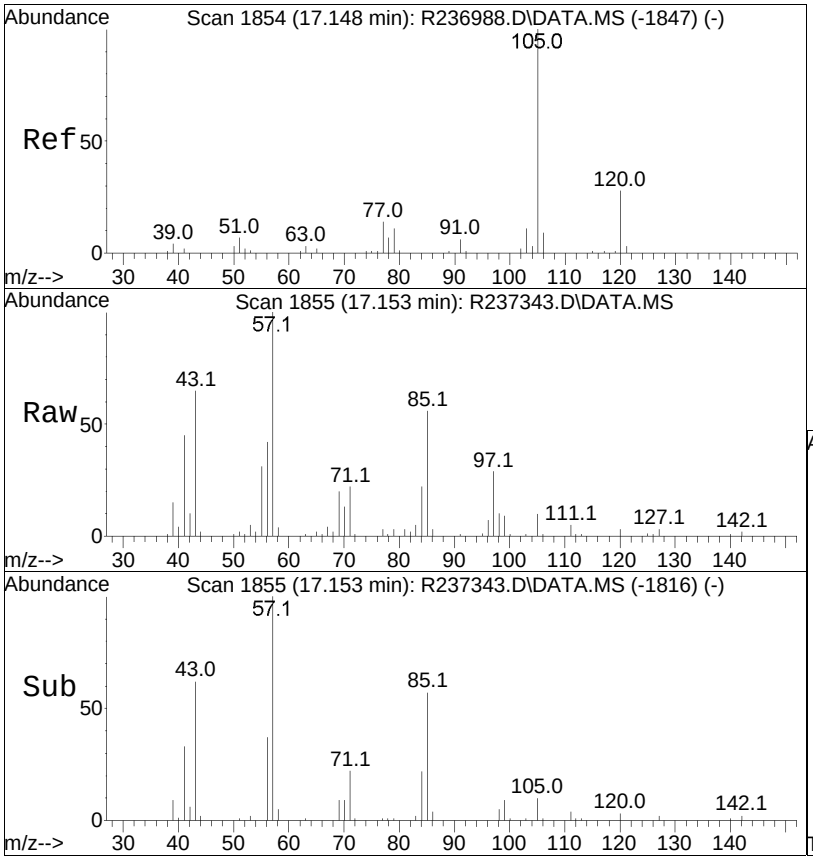


#87
o-xylene
Concen: 0.54 ppbV
RT: 16.666 min Scan# 1799
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion: 91 Resp: 37777

Ion	Ratio	Lower	Upper
91	100		
106	48.2	39.6	59.4

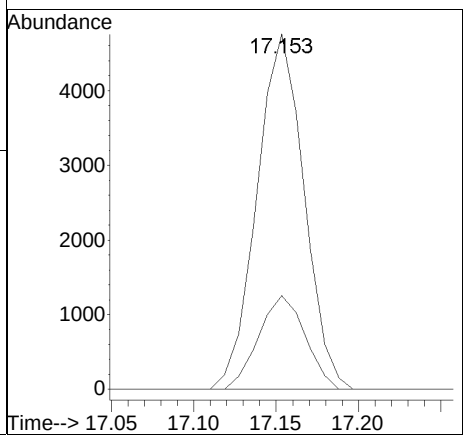


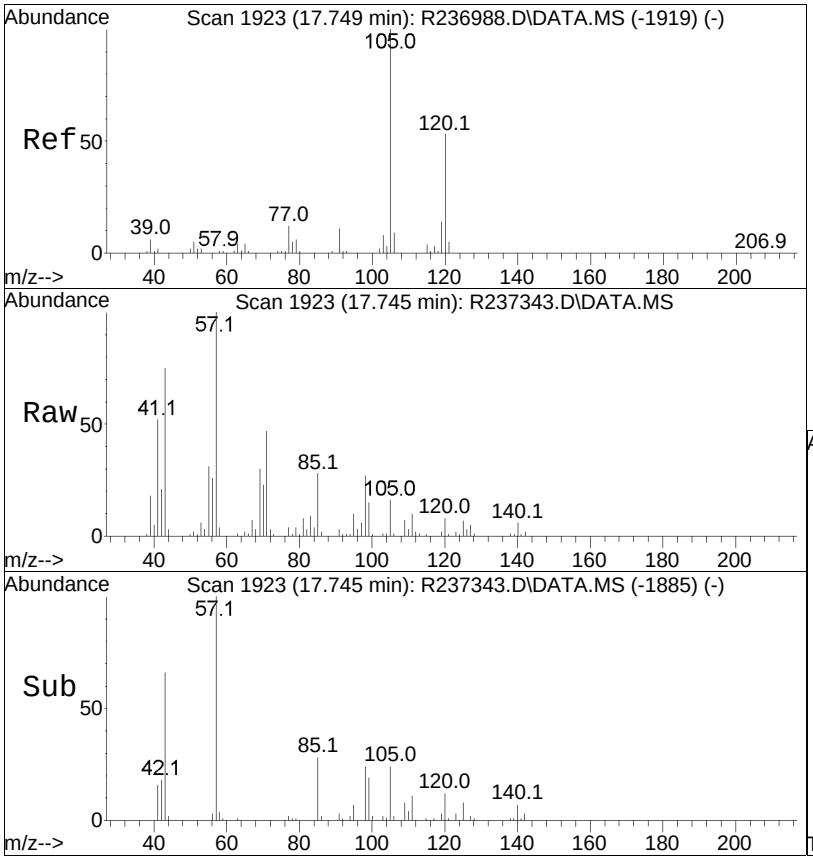


#91
isopropylbenzene
Concen: 0.10 ppbV
RT: 17.153 min Scan# 1855
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion:105 Resp: 9481

Ion	Ratio	Lower	Upper
105	100		
120	26.4	22.2	33.4

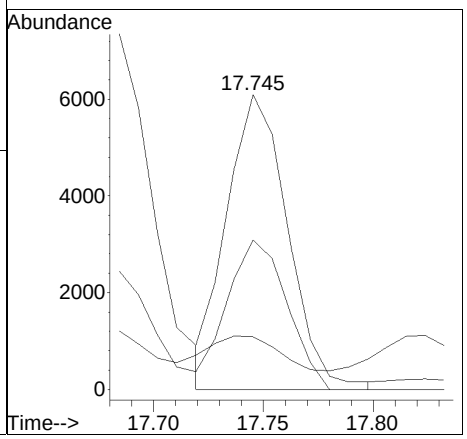


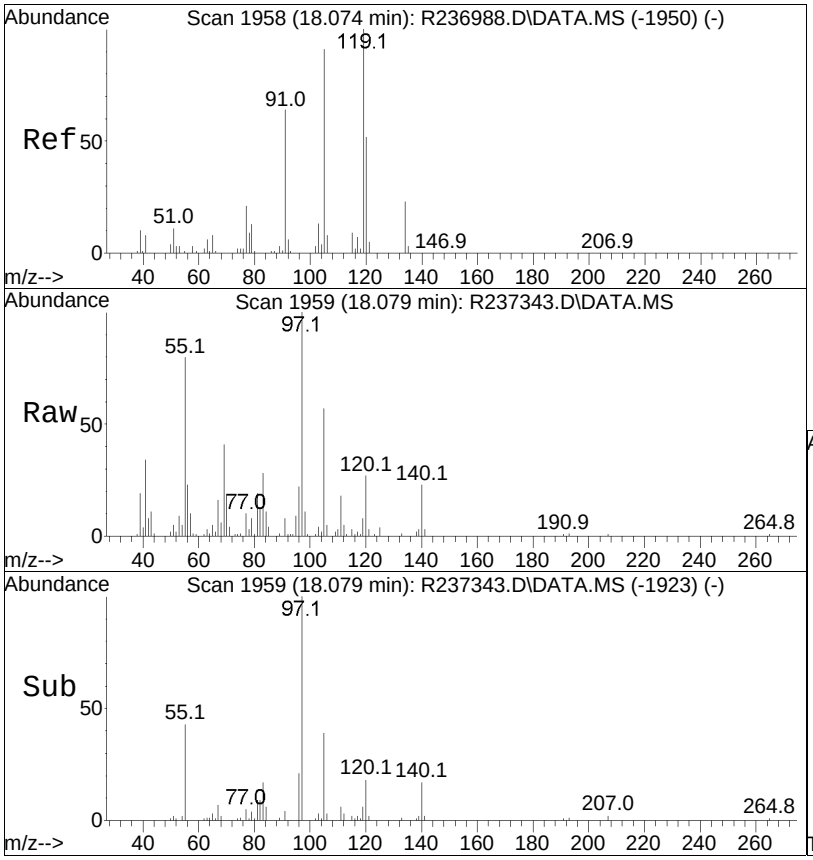


#97
1,3,5-trimethylbenzene
Concen: 0.15 ppbV
RT: 17.745 min Scan# 1923
Delta R.T. -0.003 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion:105 Resp: 11824

Ion	Ratio	Lower	Upper
105	100		
120	50.8	40.7	61.1
91	17.8	8.5	12.7#

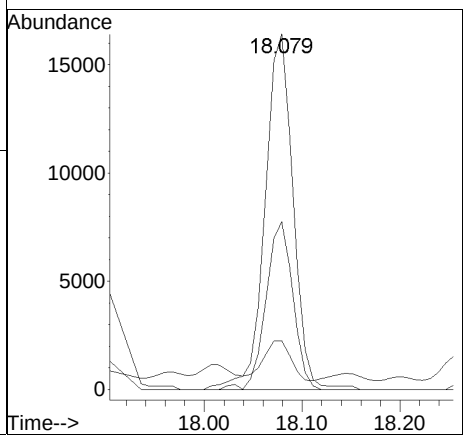




#99
1,2,4-trimethylbenzene
Concen: 0.40 ppbV
RT: 18.079 min Scan# 1959
Delta R.T. 0.005 min
Lab File: R237343.D
Acq: 18 Dec 2025 10:02 pm

Tgt Ion:105 Resp: 32810

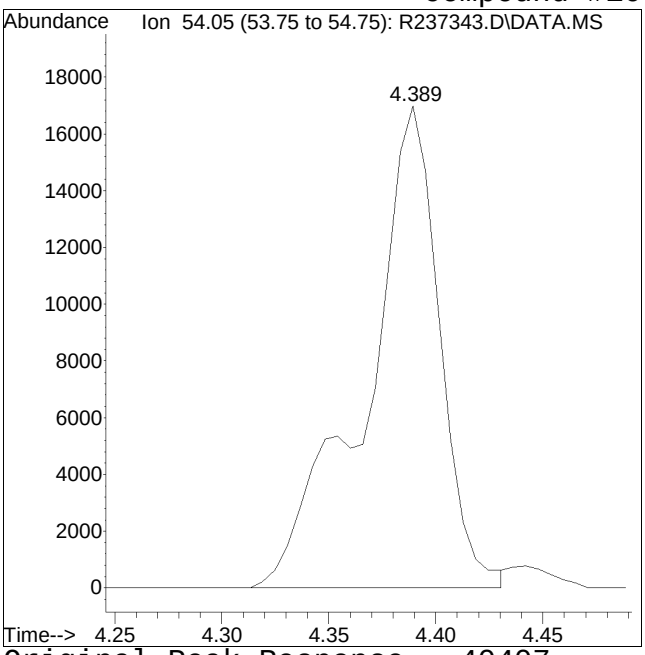
Ion	Ratio	Lower	Upper
105	100		
120	47.2	45.9	68.9
91	13.7	56.2	84.2#



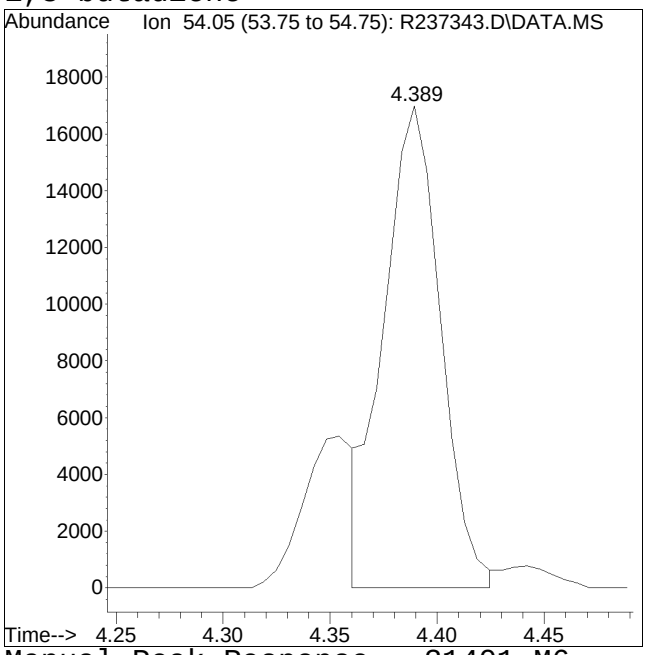
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237343.D
Date Inj'd : 12/18/2025 10:02 pm
Sample : WG2155905-5D,3,101.69,250
Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:11 am

Compound #10: 1,3-butadiene



Original Peak Response = 40407



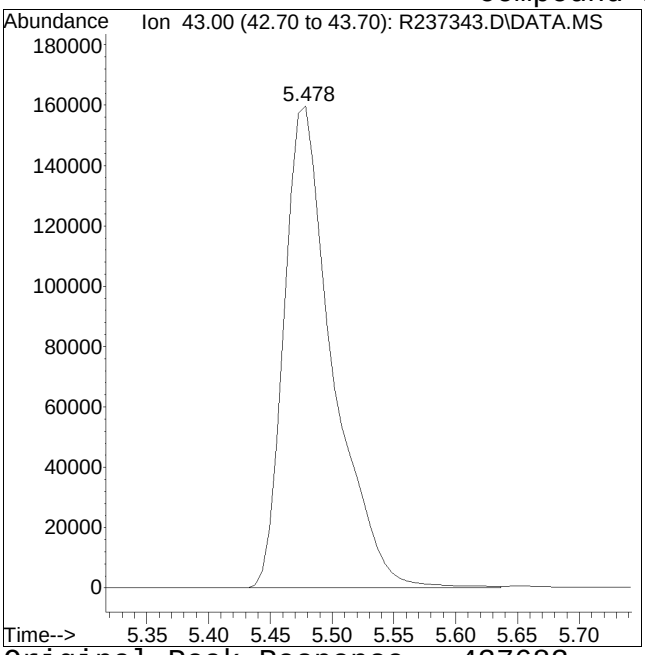
Manual Peak Response = 31401 M6

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

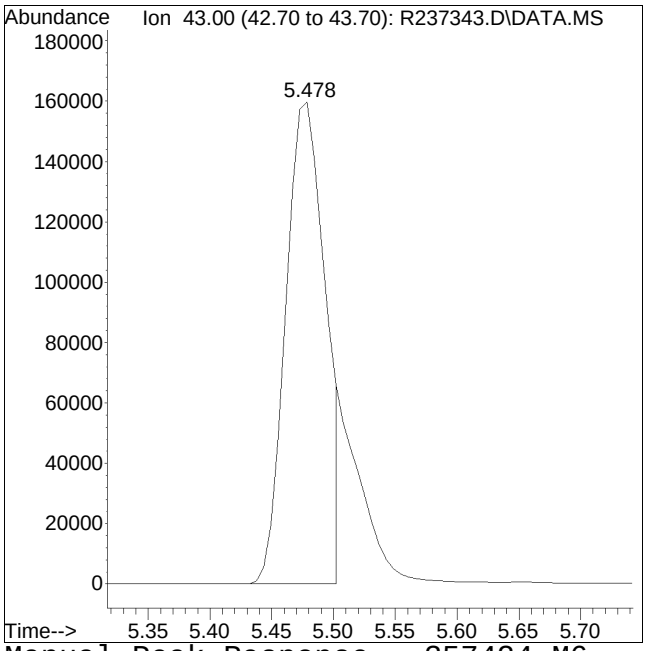
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab23\20Q
Data File : R237343.D
Date Inj'd : 12/18/2025 10:02 pm
Sample : WG2155905-5D,3,101.69,250
Method : TFS23_251121.M
Operator : AIRLAB23:TPH
Instrument : Airlab23
Quant Date : 12/19/2025 7:11 am

Compound #19: acetone



Original Peak Response = 437683



Manual Peak Response = 357424 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752994.D
Acq On : 18 Dec 2025 10:42 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-5,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	310603	10.000	ppbV	-0.05
Standard Area = 341577			Recovery =	90.93%		
43) 1,4-difluorobenzene	11.003	114	717381	10.000	ppbV	-0.05
Standard Area = 849055			Recovery =	84.49%		
67) chlorobenzene-D5	15.775	54	118911	10.000	ppbV	-0.03
Standard Area = 140112			Recovery =	84.87%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	3.856	85	24692	0.564	ppbV	99
6) chloromethane	4.012	50	12129	0.618	ppbV	100
7) Freon-114	4.120		0	N.D.		
10) 1,3-butadiene	4.366		0	N.D.		
13) bromomethane	4.630		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	4.942	31	5071010	284.124	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.423	43	425810m	14.131	ppbV	
21) trichlorofluoromethane	5.613	101	8294	0.193	ppbV	95
22) isopropyl alcohol	5.700	45	293351	8.577	ppbV	97
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	6.432	49	5172	0.201	ppbV	94
29) 3-chloropropene	6.552		0	N.D.		
30) carbon disulfide	6.720		0	N.D.		
31) Freon 113	6.720	101	2967	0.064	ppbV #	84
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	8.117	43	17041	0.358	ppbV	96
38) Ethyl Acetate	8.883	61	9024	1.036	ppbV #	49
39) chloroform	8.942	83	4330	0.106	ppbV	98
40) Tetrahydrofuran	0.000		0	N.D.	d	
42) 1,2-dichloroethane	9.775		0	N.D.		
44) hexane	8.867	57	8016	0.233	ppbV #	4
50) benzene	10.577	78	16852	0.281	ppbV	97
53) cyclohexane	10.897	56	2666	0.073	ppbV	95
56) 1,2-dichloropropane	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752994.D
Acq On : 18 Dec 2025 10:42 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-5,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218T\r1752981.D
Sub List : TO15-NY-7-sim+Naphthalene - .

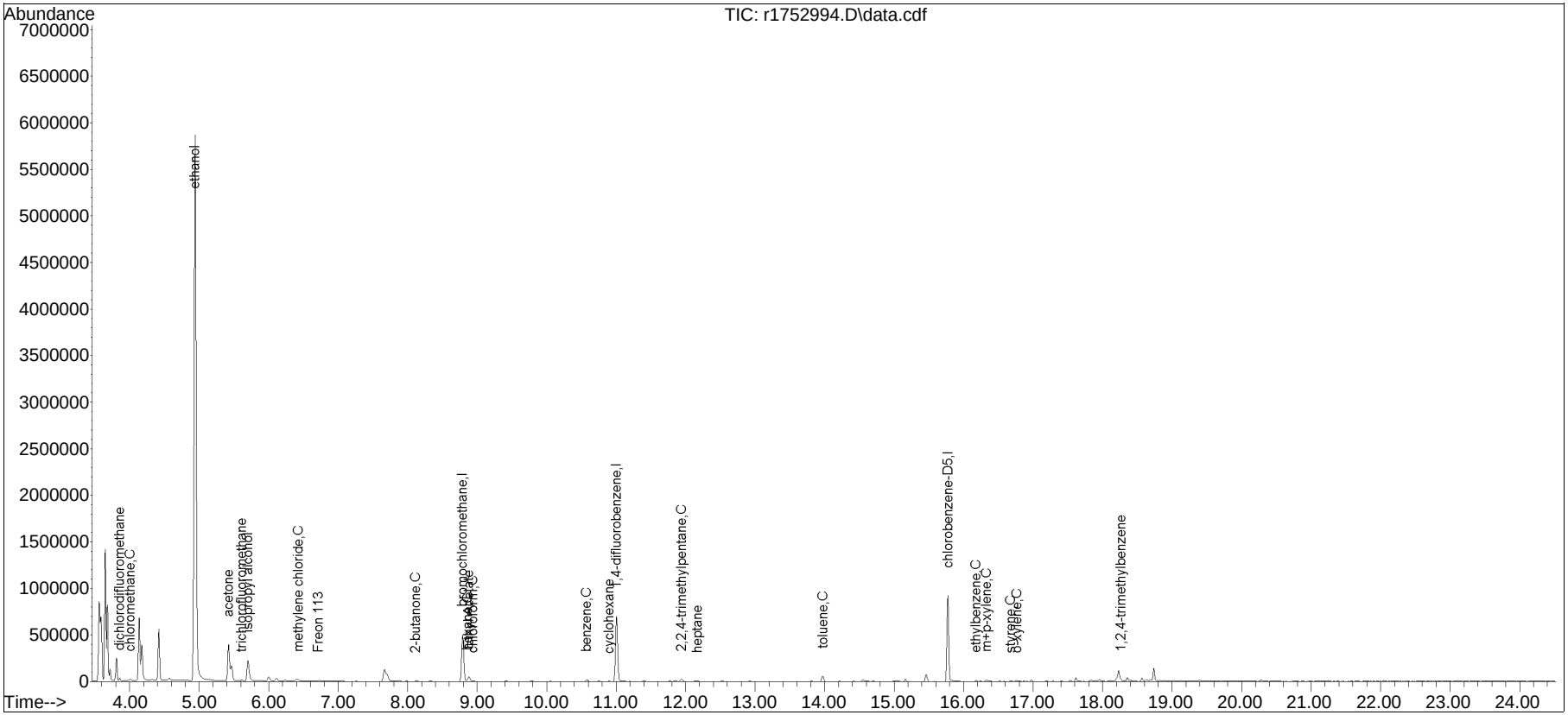
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	11.943	57	6547	0.059	ppbV #	1
62) heptane	12.170	43	4130	0.113	ppbV #	71
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	12.917		0	N.D.		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	13.975	91	49271	0.601	ppbV	94
72) 2-hexanone	14.358		0	N.D.		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	15.833		0	N.D.		
81) ethylbenzene	16.175	91	6623	0.064	ppbV	98
83) m+p-xylene	16.333	91	13835	0.168	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	16.675	104	3541	0.057	ppbV	95
86) 1,1,2,2-tetrachloroethane	16.817		0	N.D.		
87) o-xylene	16.767	91	5468	0.066	ppbV	93
96) 4-ethyl toluene	17.917		0	N.D.		
97) 1,3,5-trimethylbenzene	17.917		0	N.D.		
99) 1,2,4-trimethylbenzene	18.267	105	6538	0.075	ppbV #	56
101) Benzyl Chloride	18.458		0	N.D.		
102) 1,3-dichlorobenzene	18.458		0	N.D.		
103) 1,4-dichlorobenzene	18.458		0	N.D.		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	20.358		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

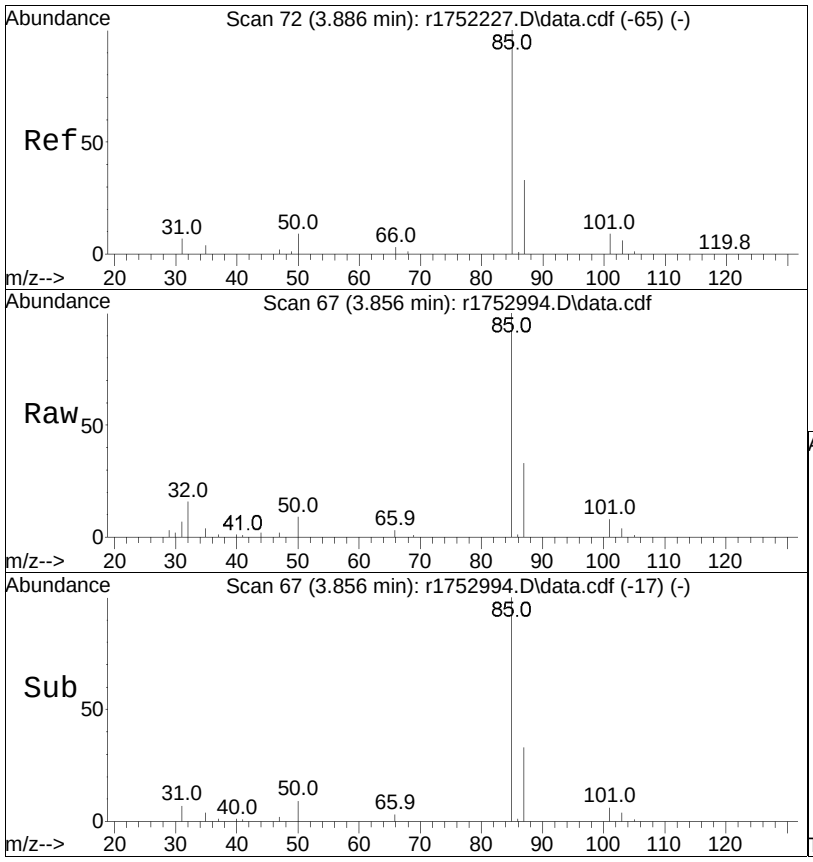
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY-7-sim+Naphthalene - .12\1218T\r1752981.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218T\
Data File : r1752994.D
Acq On : 18 Dec 2025 10:42 PM
Operator : AIRLAB17:TPH
Sample : WG2155823-5,3,250,250
Misc : WG2155823,ICAL22798
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:20:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218T\TFS17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:01:34 2025
Response via : Initial Calibration

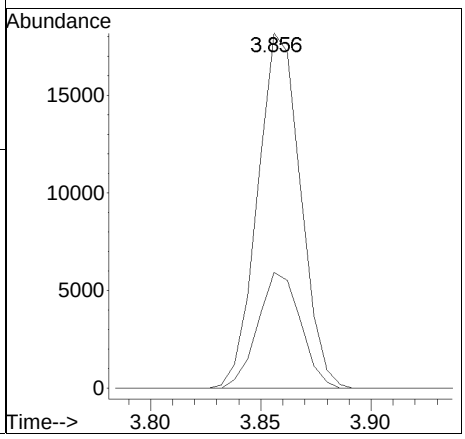


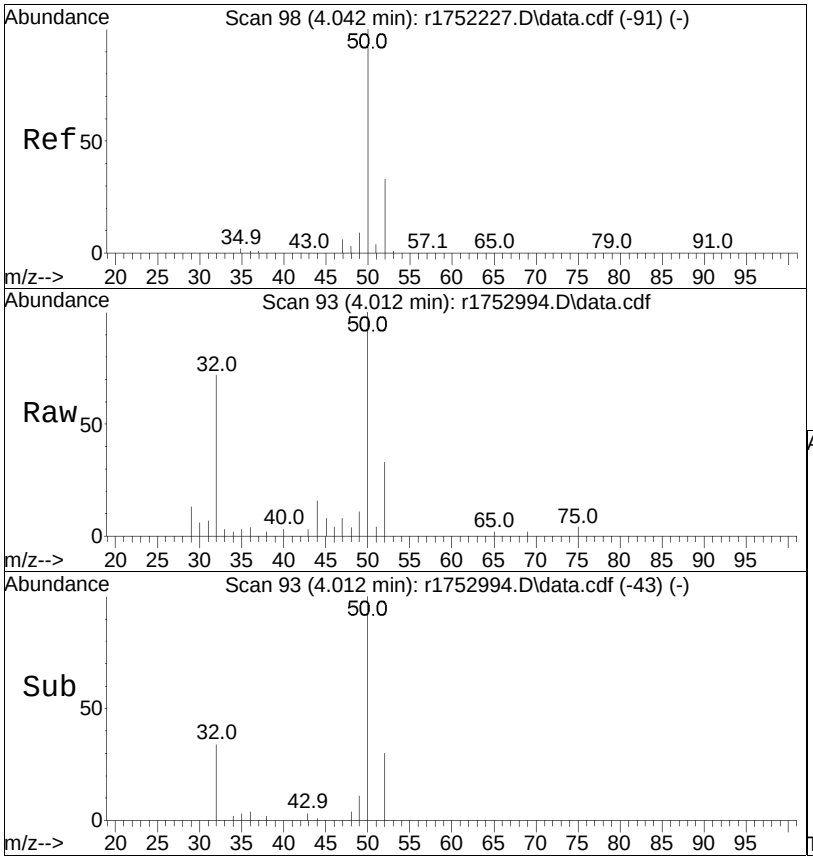


#5
dichlorodifluoromethane
Concen: 0.56 ppbV
RT: 3.856 min Scan# 67
Delta R.T. -0.030 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 85 Resp: 24692

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.7	40.1

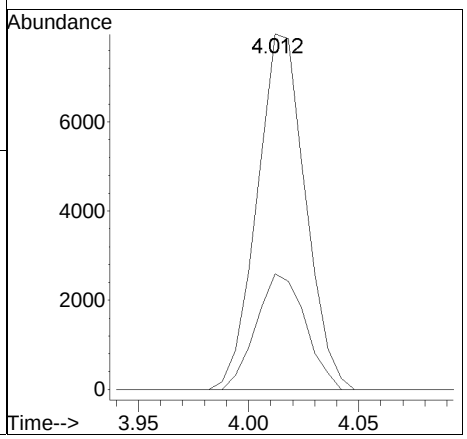


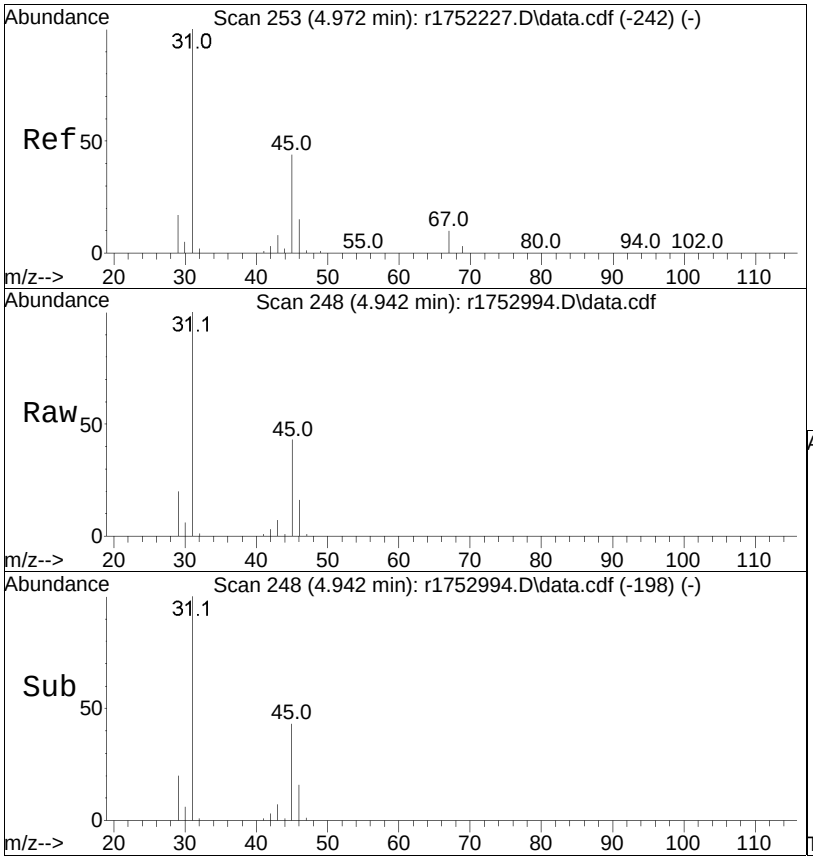


#6
chloromethane
Concen: 0.62 ppbV
RT: 4.012 min Scan# 93
Delta R.T. -0.030 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 50 Resp: 12129

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

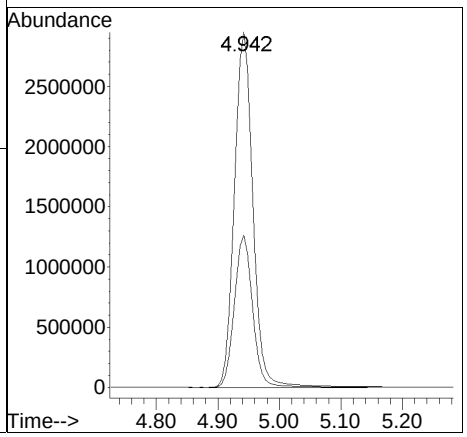


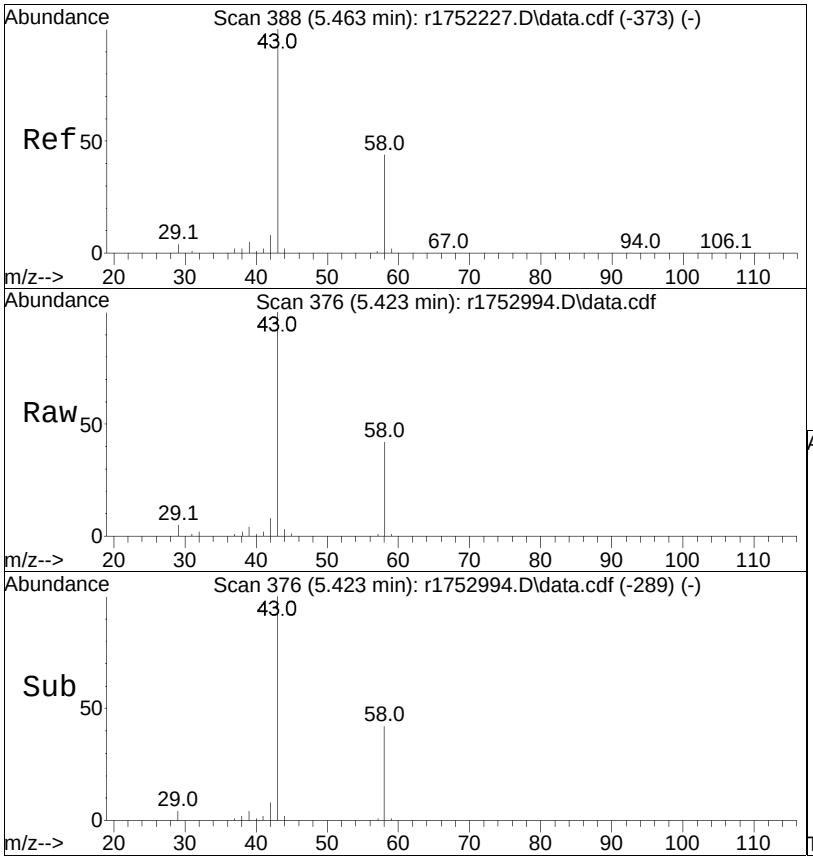


#15
ethanol
Concen: 284.12 ppbV
RT: 4.942 min Scan# 248
Delta R.T. -0.030 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 31 Resp: 5071010

Ion	Ratio	Lower	Upper
31	100		
45	42.8	35.3	52.9

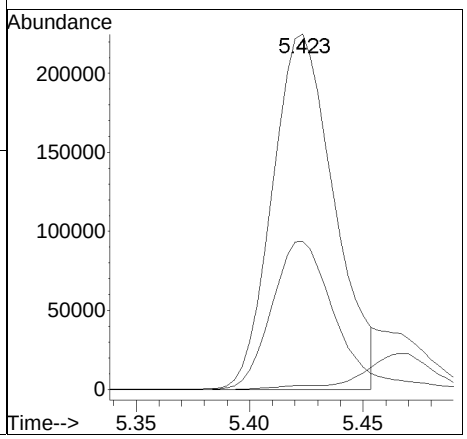


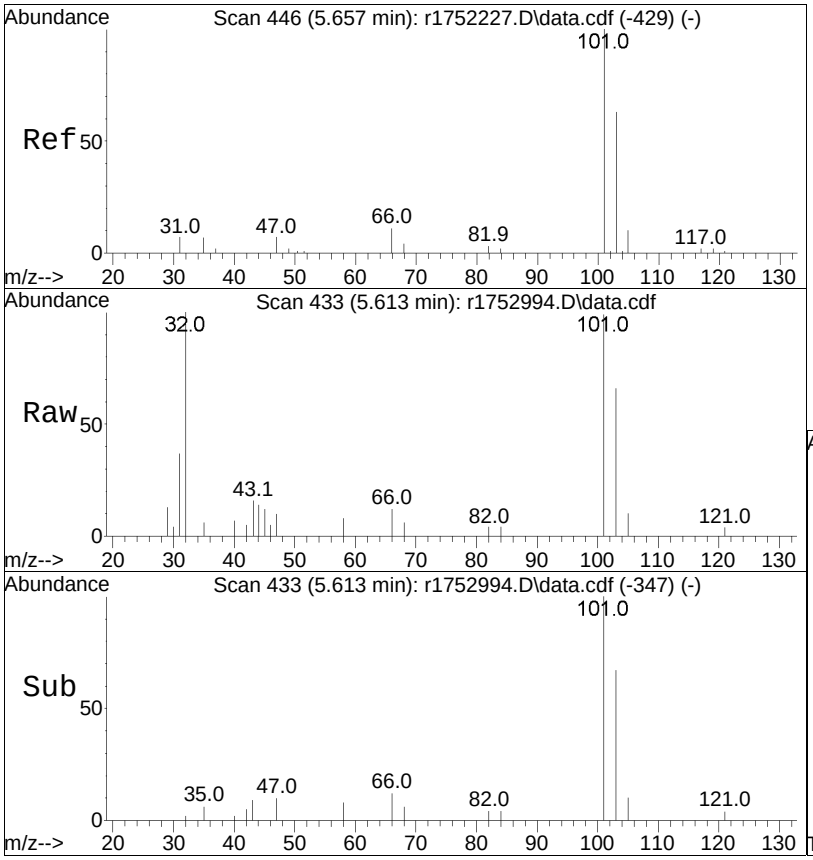


#19
acetone
Concen: 14.13 ppbV m
RT: 5.423 min Scan# 376
Delta R.T. -0.040 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 43 Resp: 425810

Ion	Ratio	Lower	Upper
43	100		
58	41.6	35.1	52.7
57	1.1	0.9	1.3

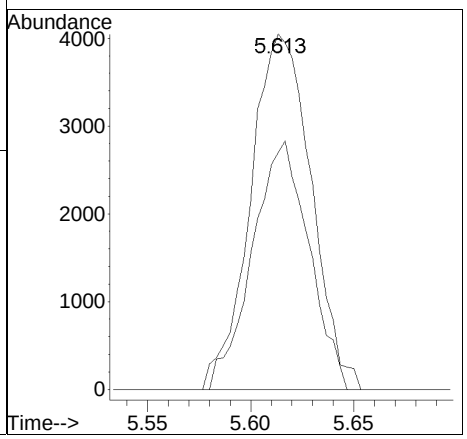


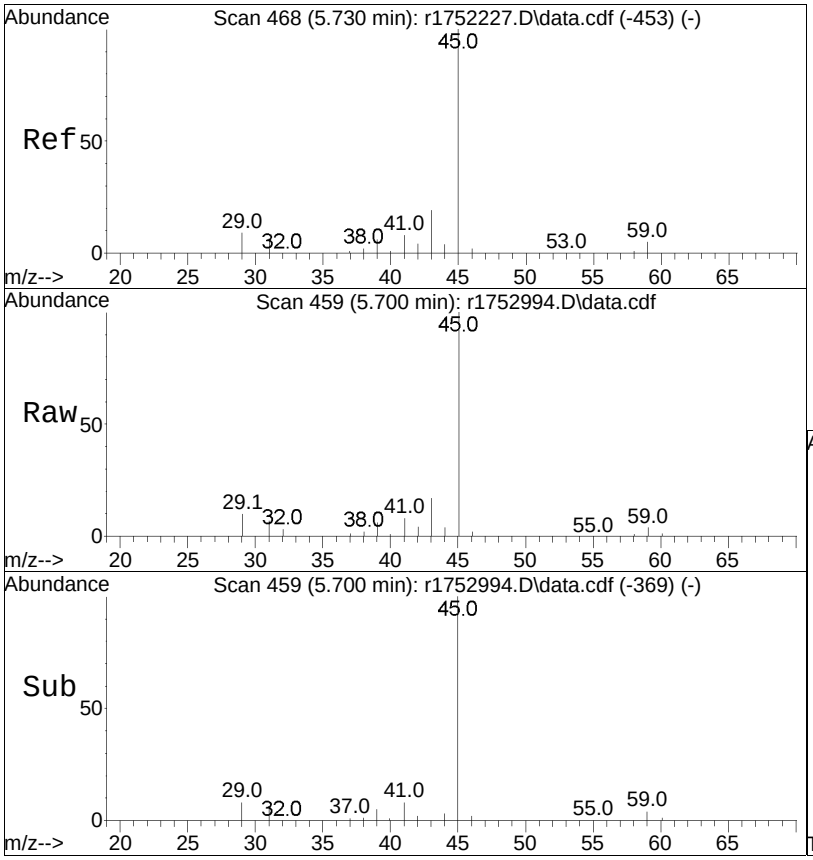


#21
trichlorofluoromethane
Concen: 0.19 ppbV
RT: 5.613 min Scan# 433
Delta R.T. -0.043 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:101 Resp: 8294

Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.2	75.2

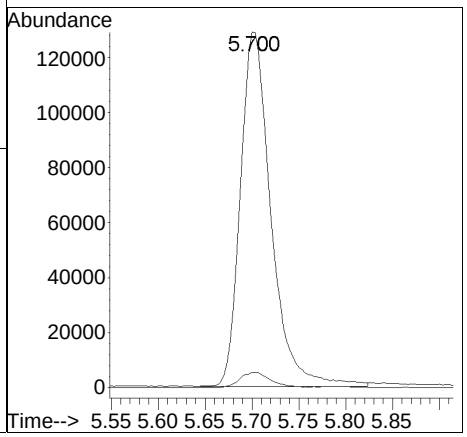


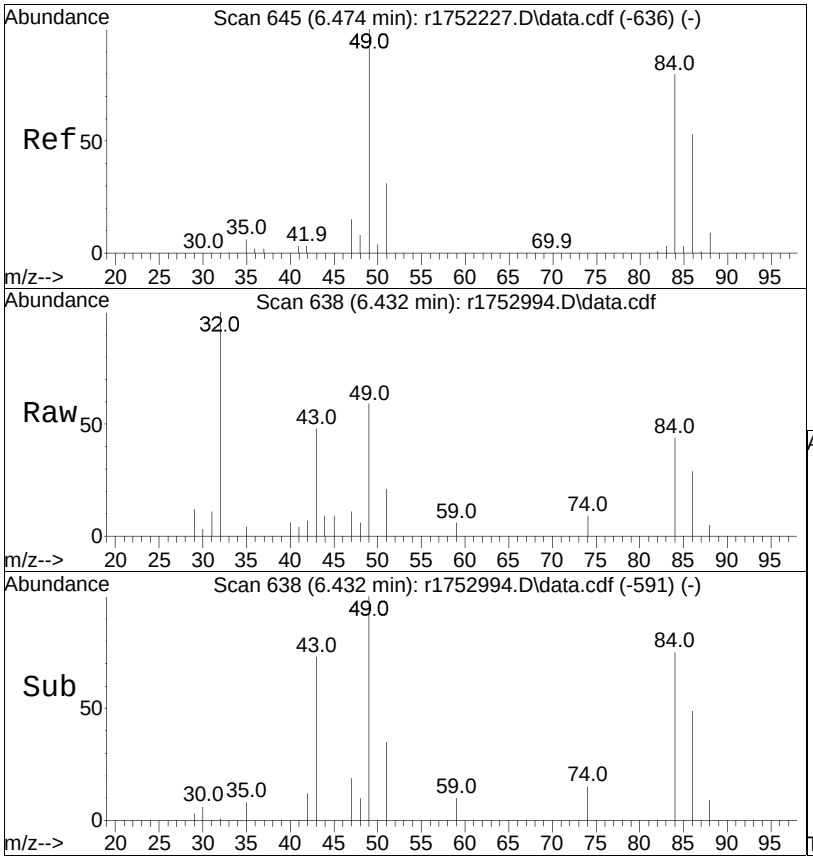


#22
isopropyl alcohol
Concen: 8.58 ppbV
RT: 5.700 min Scan# 459
Delta R.T. -0.030 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 45 Resp: 293351

Ion	Ratio	Lower	Upper
45	100		
59	4.2	4.2	6.2

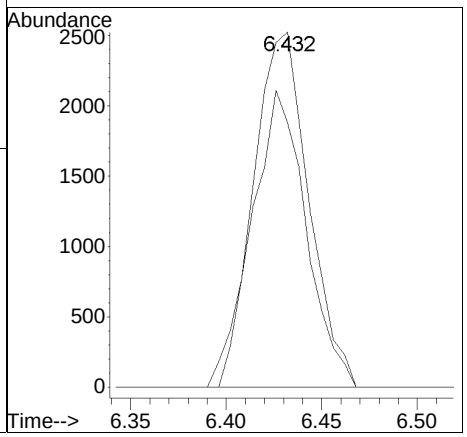


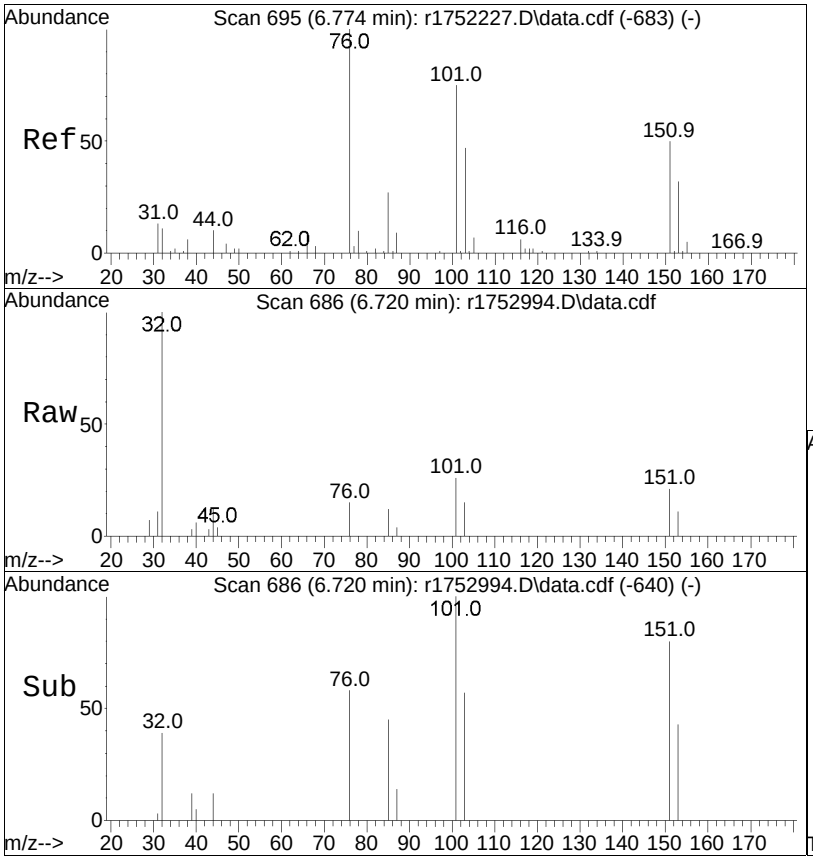


#28
methylene chloride
Concen: 0.20 ppbV
RT: 6.432 min Scan# 638
Delta R.T. -0.042 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 49 Resp: 5172

Ion	Ratio	Lower	Upper
49	100		
84	74.5	64.2	96.2

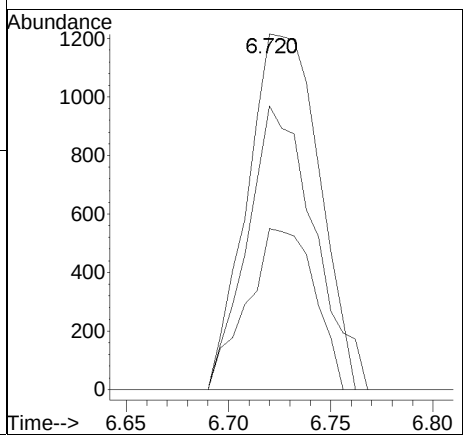


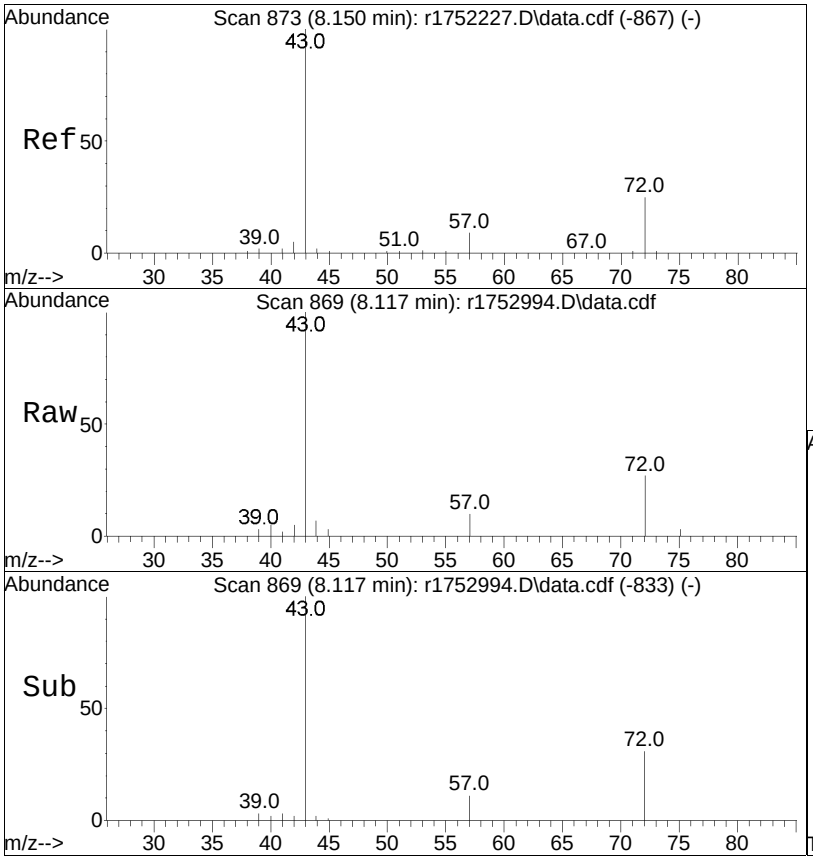


#31
Freon 113
Concen: 0.06 ppbV
RT: 6.720 min Scan# 686
Delta R.T. -0.054 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:101 Resp: 2967

Ion	Ratio	Lower	Upper
101	100		
85	45.3	28.9	43.3#
151	79.8	53.3	79.9

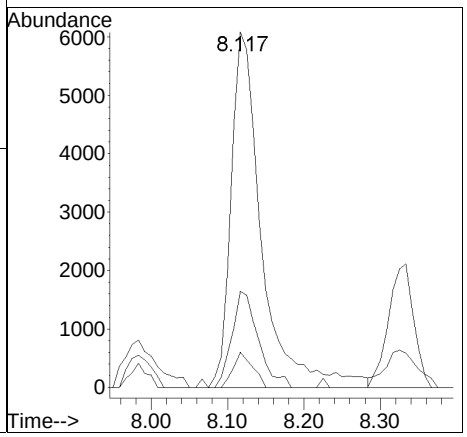


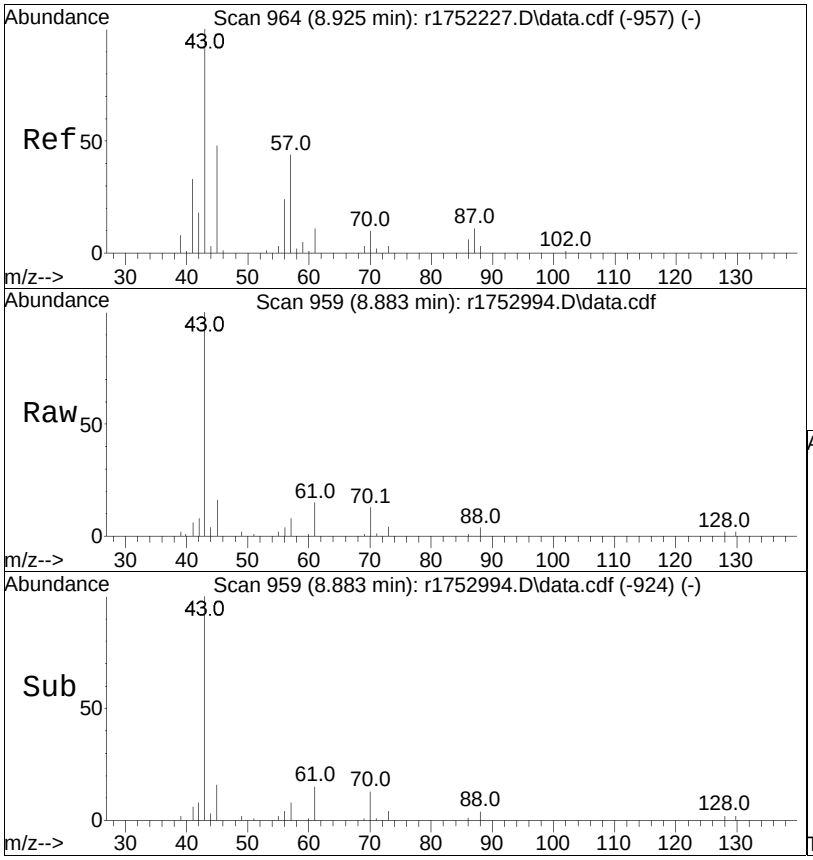


#36
2-butanone
Concen: 0.36 ppbV
RT: 8.117 min Scan# 869
Delta R.T. -0.033 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 43 Resp: 17041

Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.9	29.9
57	9.9	7.2	10.8

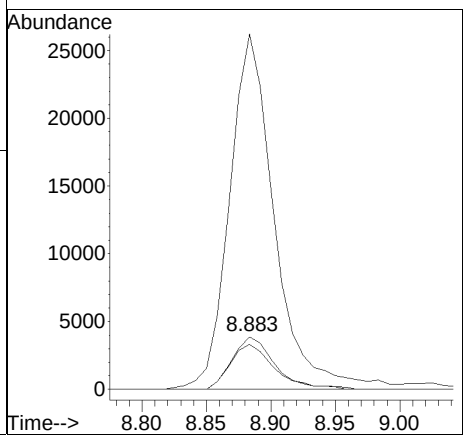


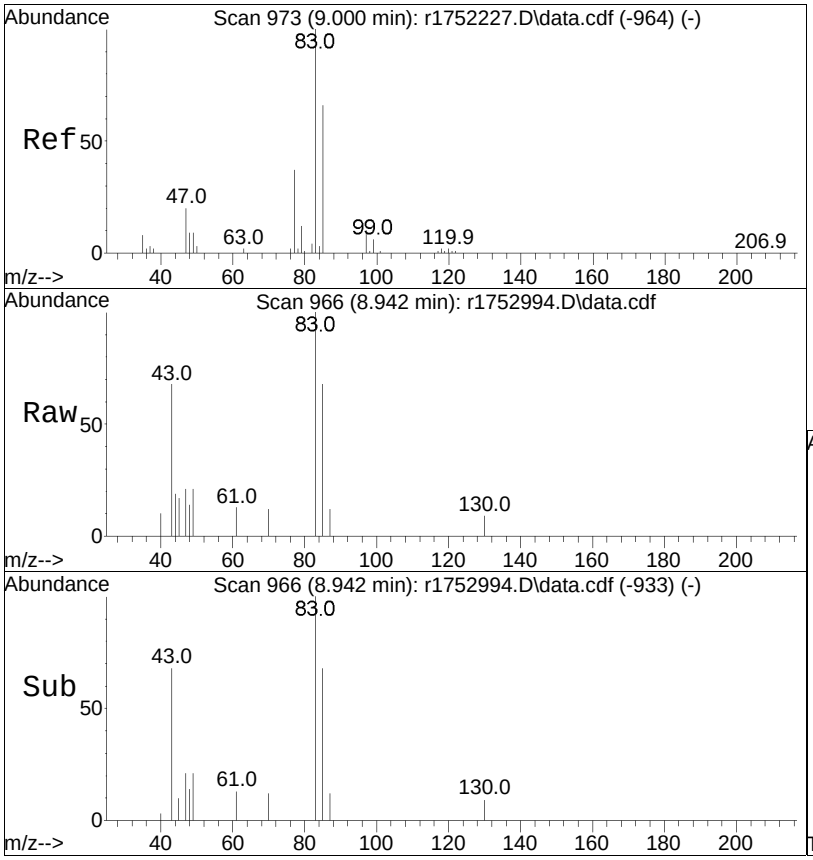


#38
Ethyl Acetate
Concen: 1.04 ppbV
RT: 8.883 min Scan# 959
Delta R.T. -0.042 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 61 Resp: 9024

Ion	Ratio	Lower	Upper
61	100		
70	85.9	68.4	102.6
43	676.2	727.4	1091.2#

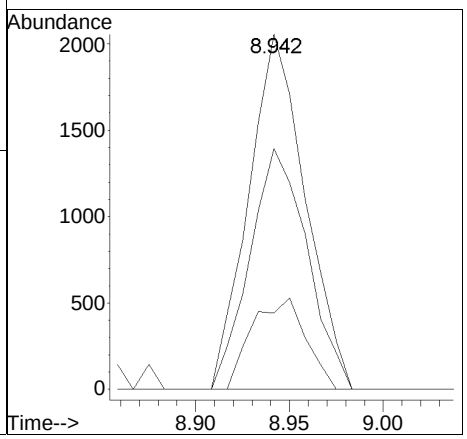


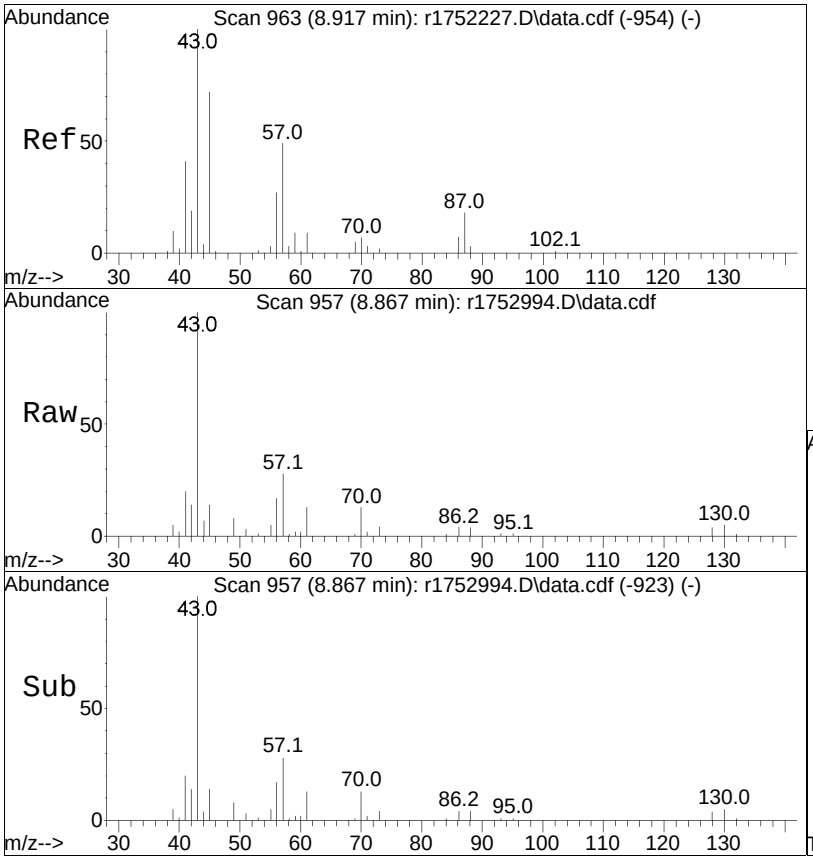


#39
chloroform
Concen: 0.11 ppbV
RT: 8.942 min Scan# 966
Delta R.T. -0.058 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 83 Resp: 4330

Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.1	79.7
47	21.4	16.3	24.5

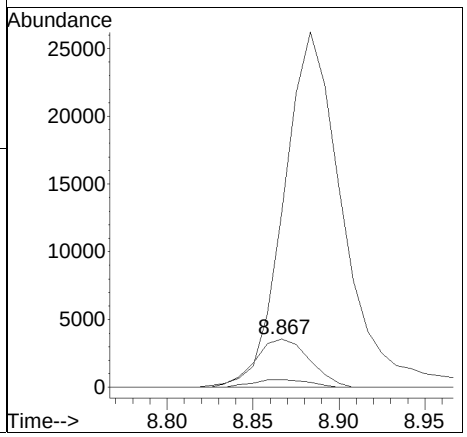


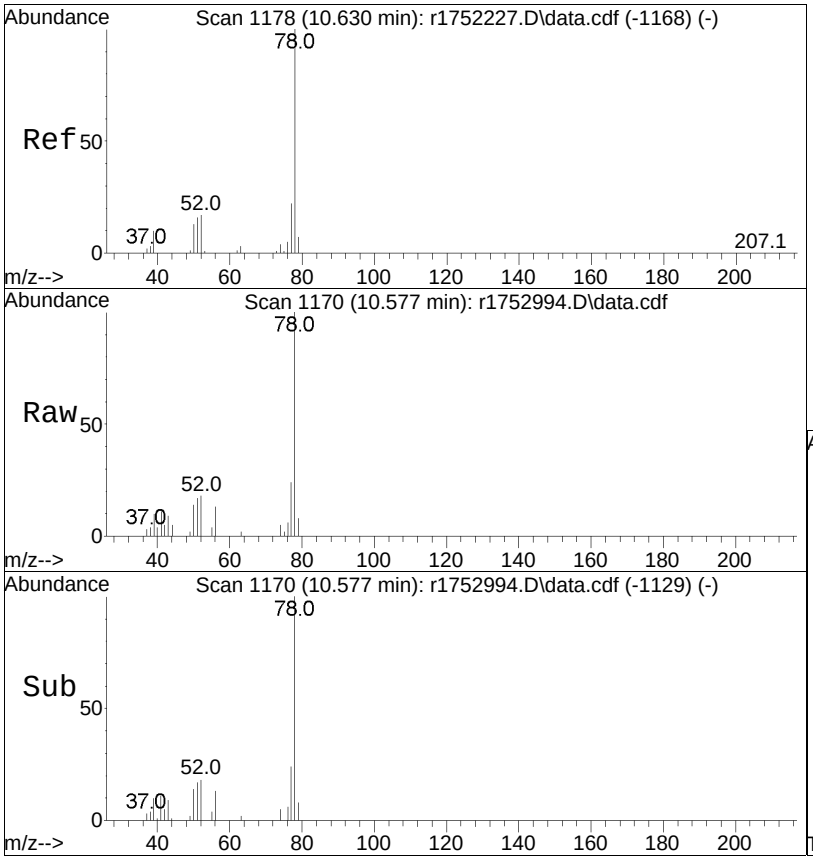


#44
hexane
Concen: 0.23 ppbV
RT: 8.867 min Scan# 957
Delta R.T. -0.050 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 57 Resp: 8016

Ion	Ratio	Lower	Upper
57	100		
43	361.2	163.5	245.3#
86	16.2	11.7	17.5

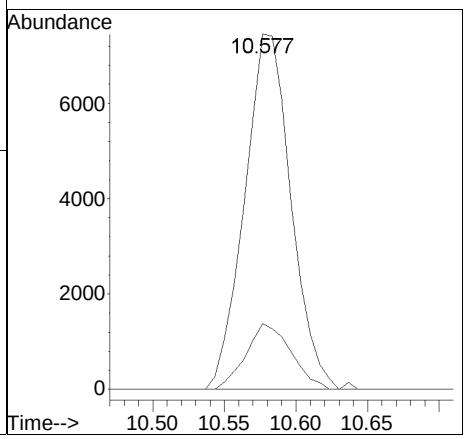


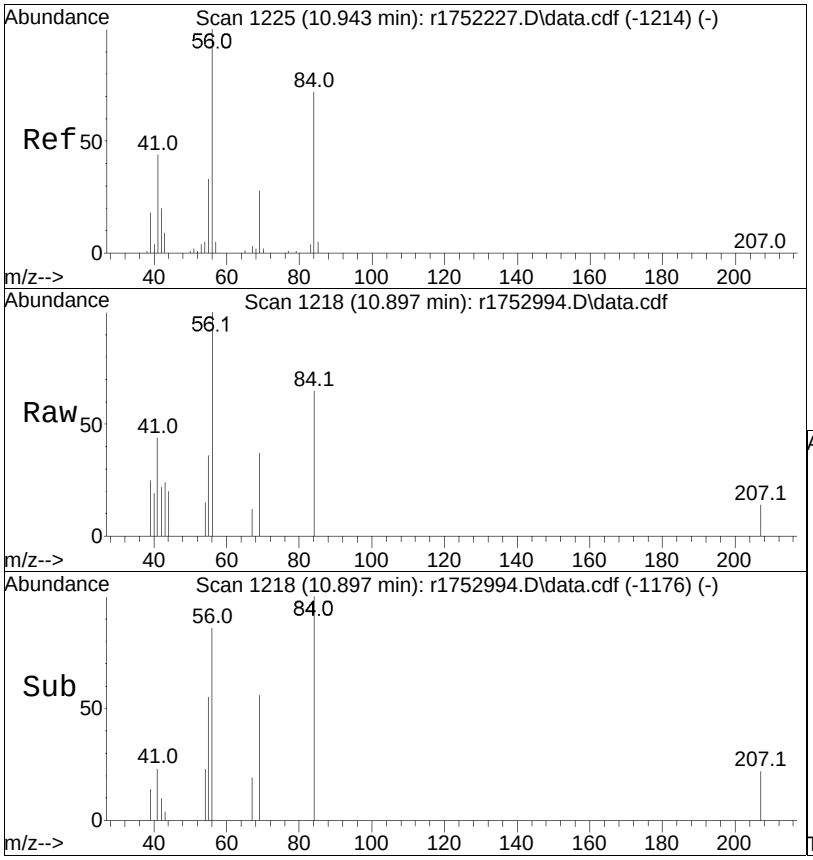


#50
benzene
Concen: 0.28 ppbV
RT: 10.577 min Scan# 1170
Delta R.T. -0.053 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 78 Resp: 16852

Ion	Ratio	Lower	Upper
78	100		
52	18.4	13.8	20.8

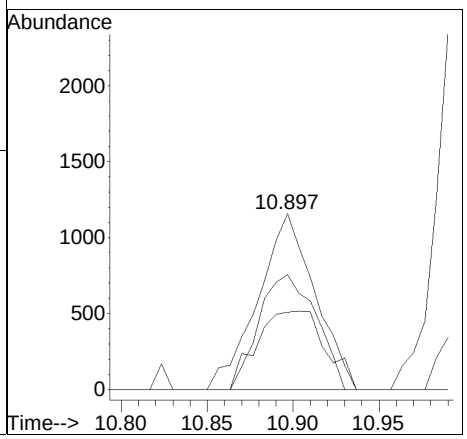


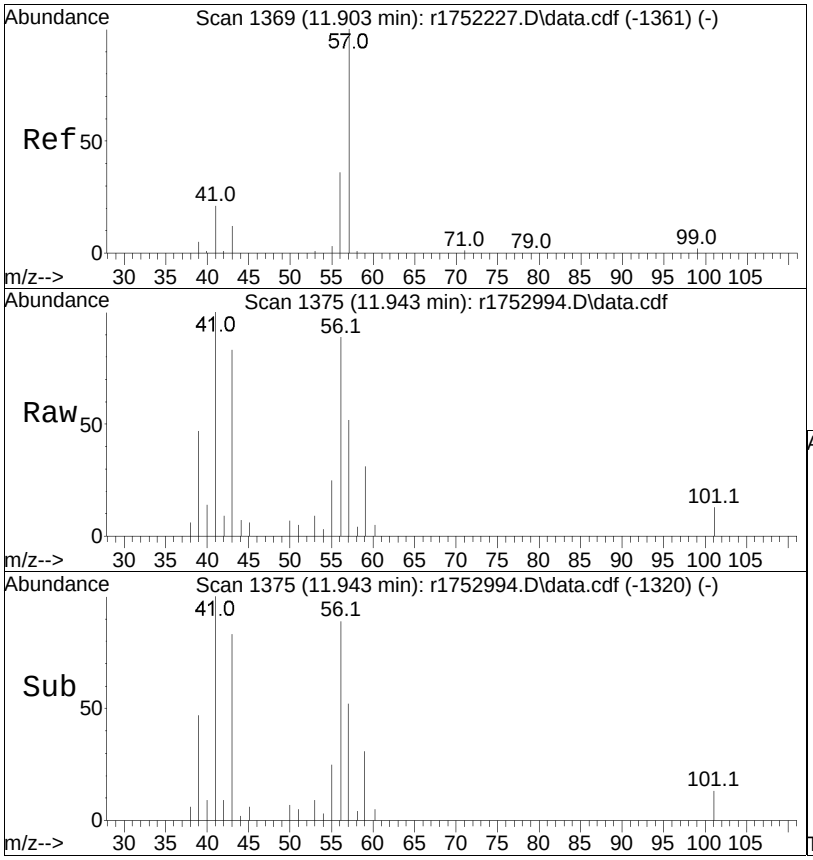


#53
cyclohexane
Concen: 0.07 ppbV
RT: 10.897 min Scan# 1218
Delta R.T. -0.047 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 56 Resp: 2666

Ion	Ratio	Lower	Upper
56	100		
84	65.3	57.8	86.8
41	44.0	35.5	53.3

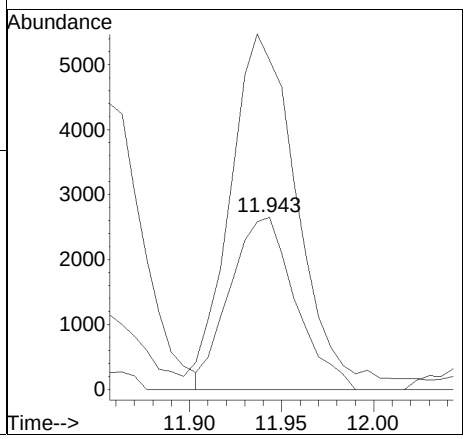


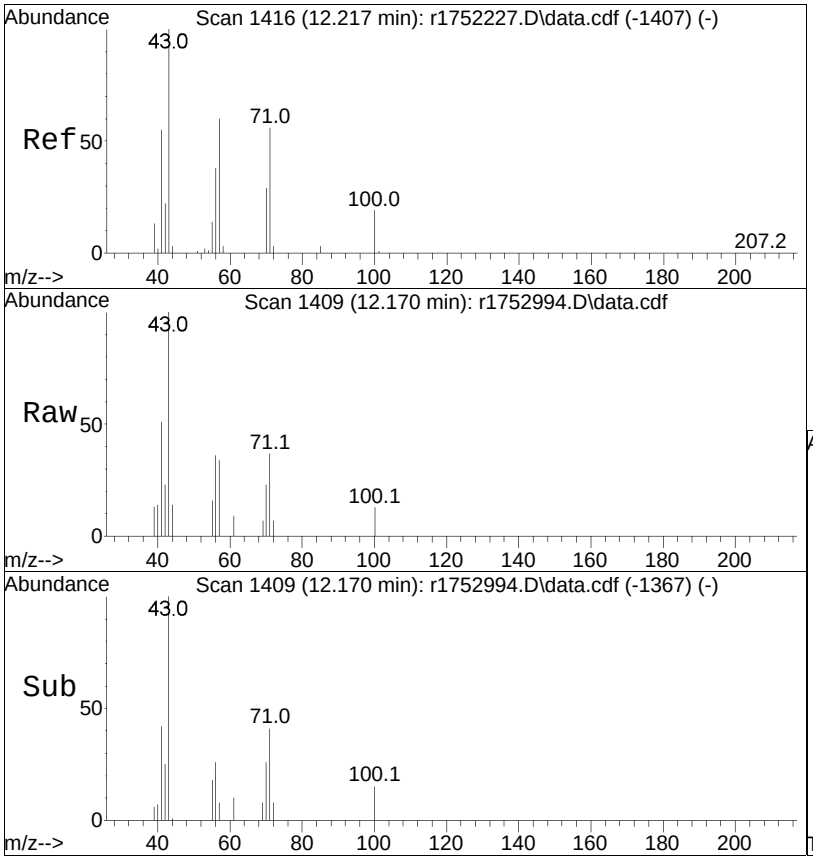


#60
2,2,4-trimethylpentane
Concen: 0.06 ppbV
RT: 11.943 min Scan# 1375
Delta R.T. 0.040 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 57 Resp: 6547

Ion	Ratio	Lower	Upper
57	100		
99	0.0	3.8	5.8#
41	191.4	16.5	24.7#

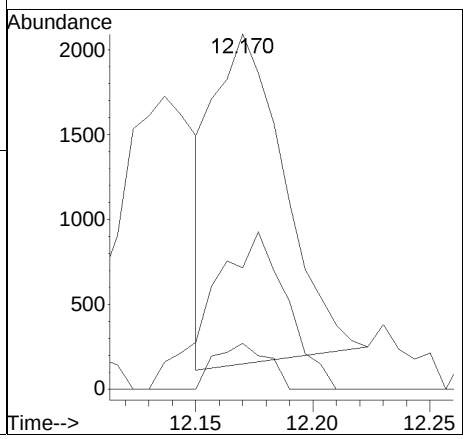


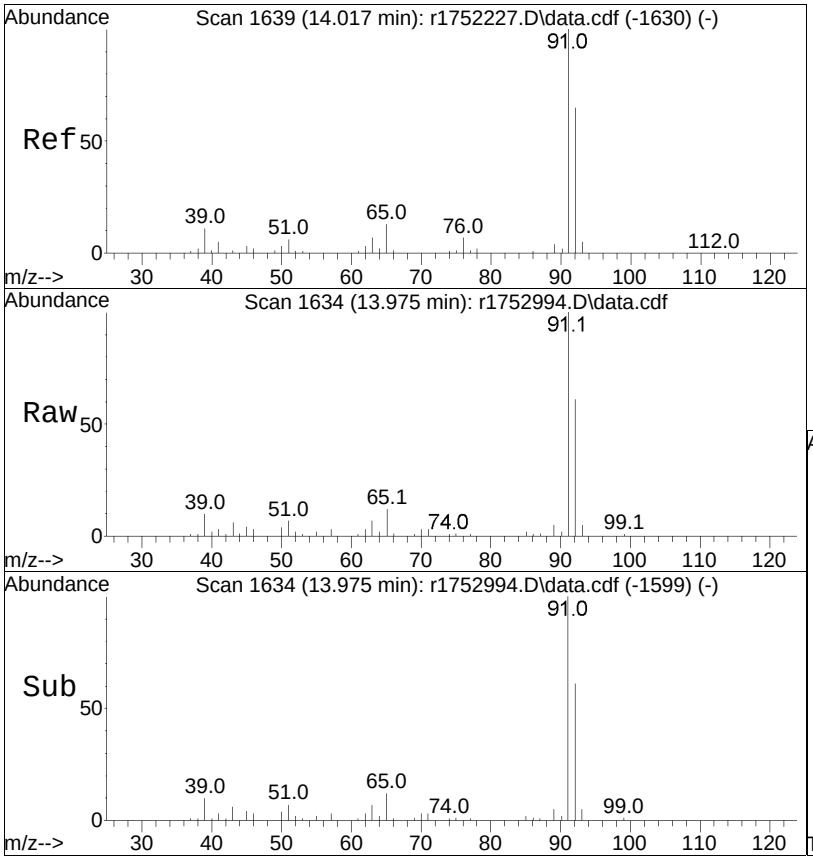


#62
heptane
Concen: 0.11 ppbV
RT: 12.170 min Scan# 1409
Delta R.T. -0.047 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 43 Resp: 4130

Ion	Ratio	Lower	Upper
43	100		
57	34.2	48.3	72.5#
100	13.0	15.4	23.0#

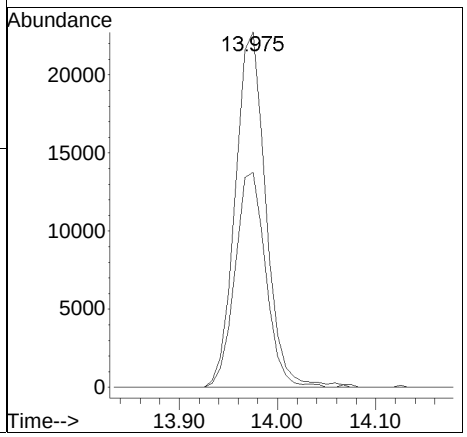


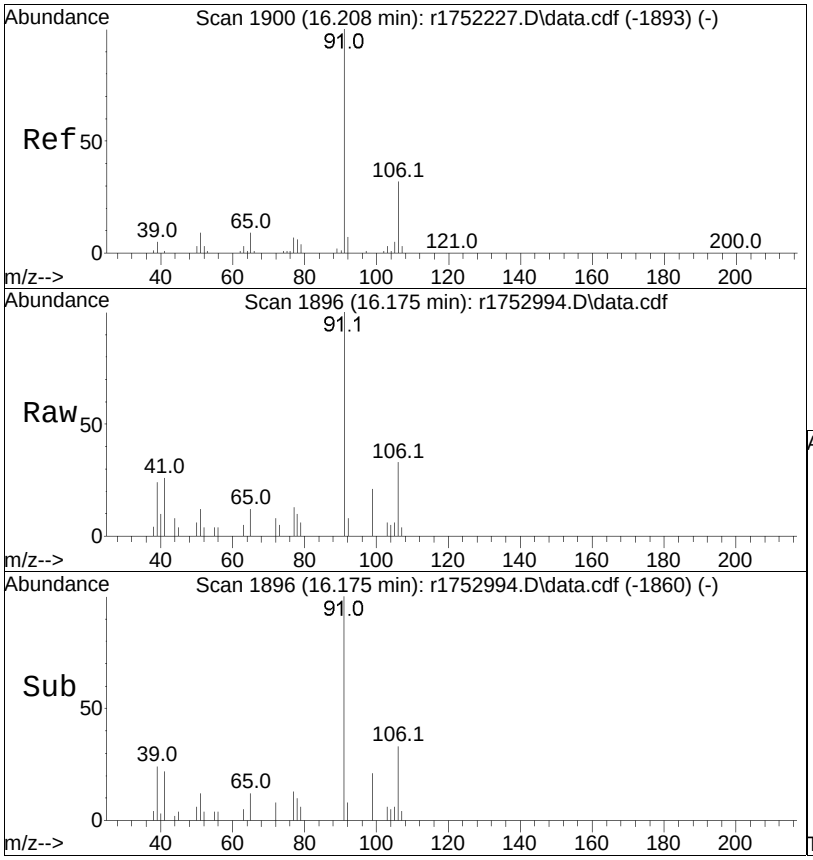


#68
toluene
Concen: 0.60 ppbV
RT: 13.975 min Scan# 1634
Delta R.T. -0.042 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 91 Resp: 49271

Ion	Ratio	Lower	Upper
91	100		
92	60.5	51.9	77.9

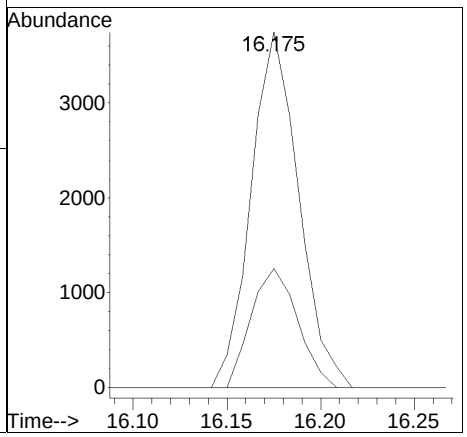


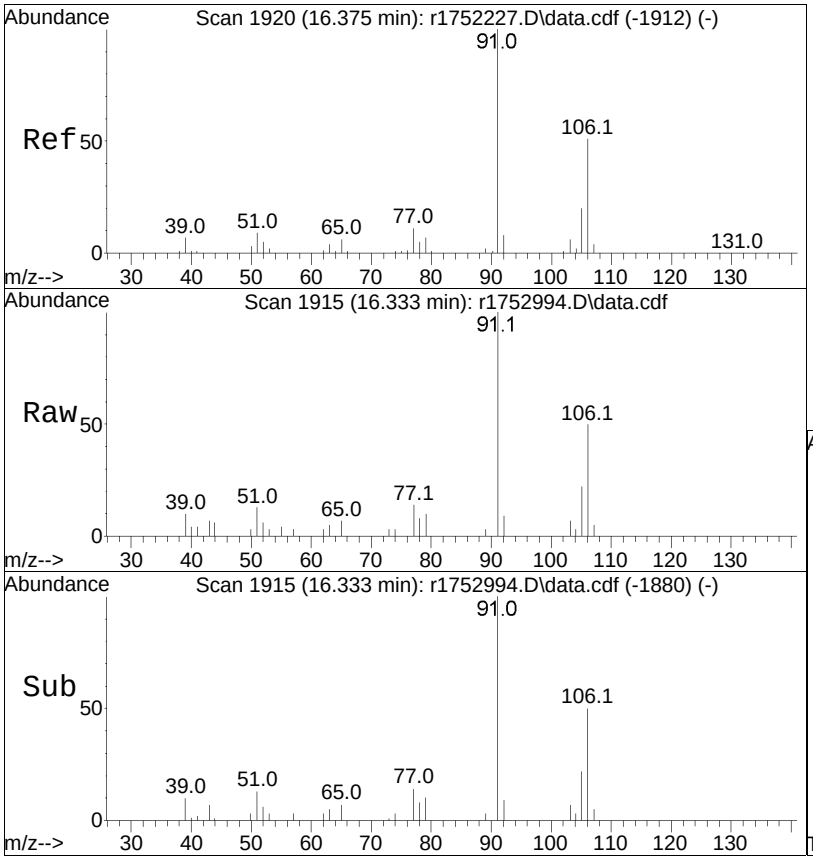


#81
ethylbenzene
Concen: 0.06 ppbV
RT: 16.175 min Scan# 1896
Delta R.T. -0.033 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 91 Resp: 6623

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.7	38.5

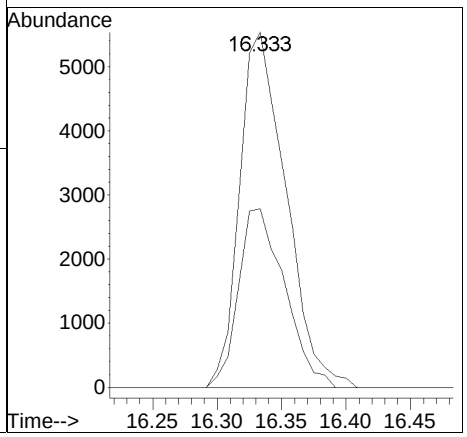


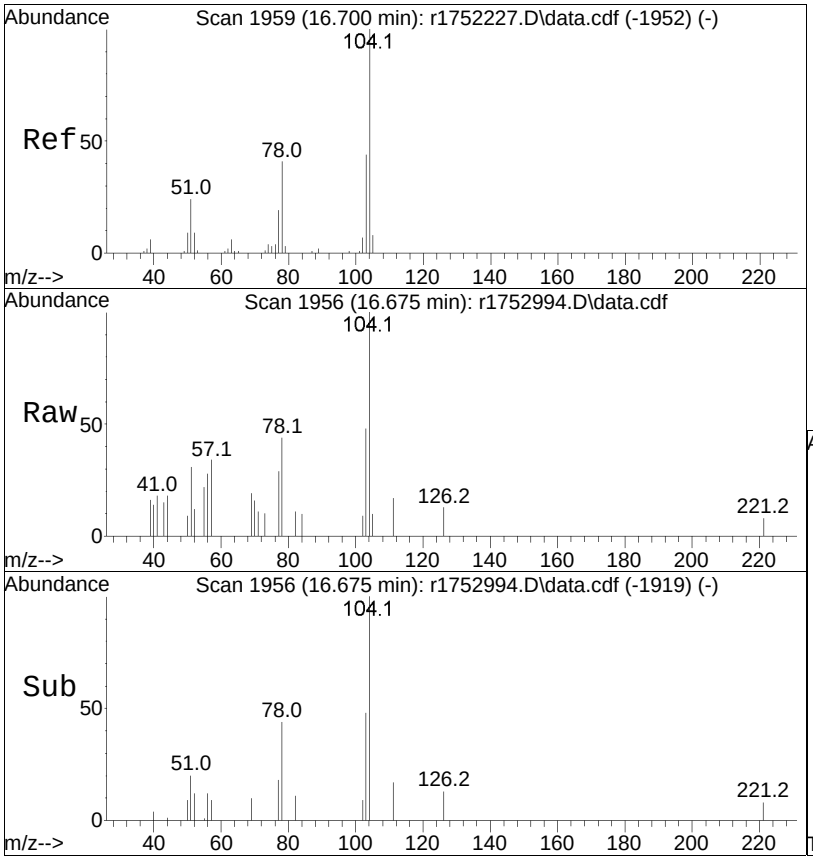


#83
m+p-xylene
Concen: 0.17 ppbV
RT: 16.333 min Scan# 1915
Delta R.T. -0.042 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 91 Resp: 13835

Ion	Ratio	Lower	Upper
91	100		
106	50.3	41.1	61.7

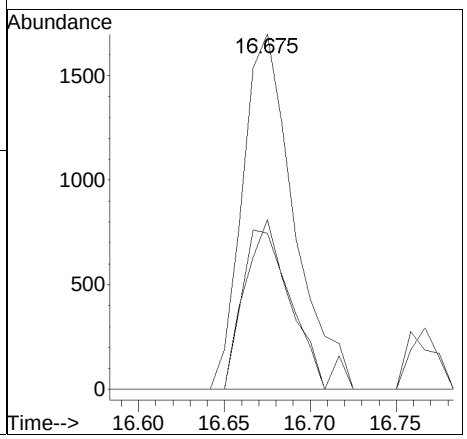


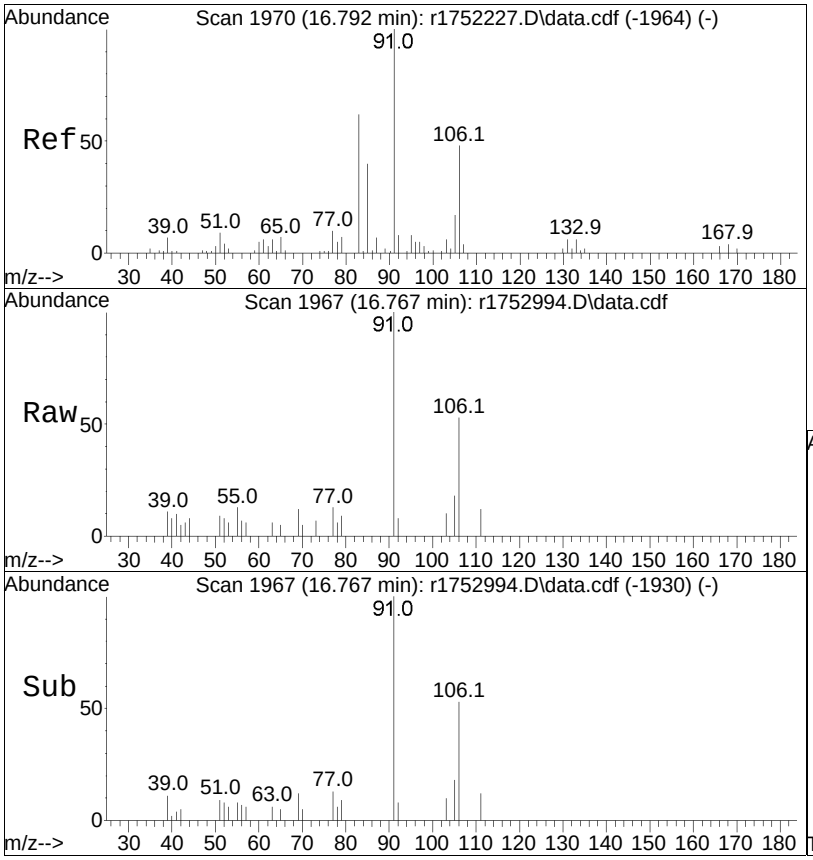


#85
styrene
Concen: 0.06 ppbV
RT: 16.675 min Scan# 1956
Delta R.T. -0.025 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:104 Resp: 3541

Ion	Ratio	Lower	Upper
104	100		
103	47.8	34.9	52.3
78	43.9	33.0	49.4

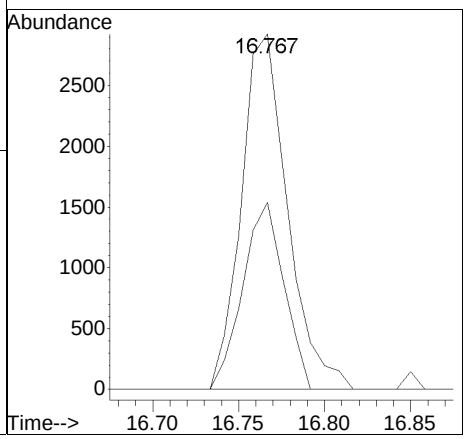


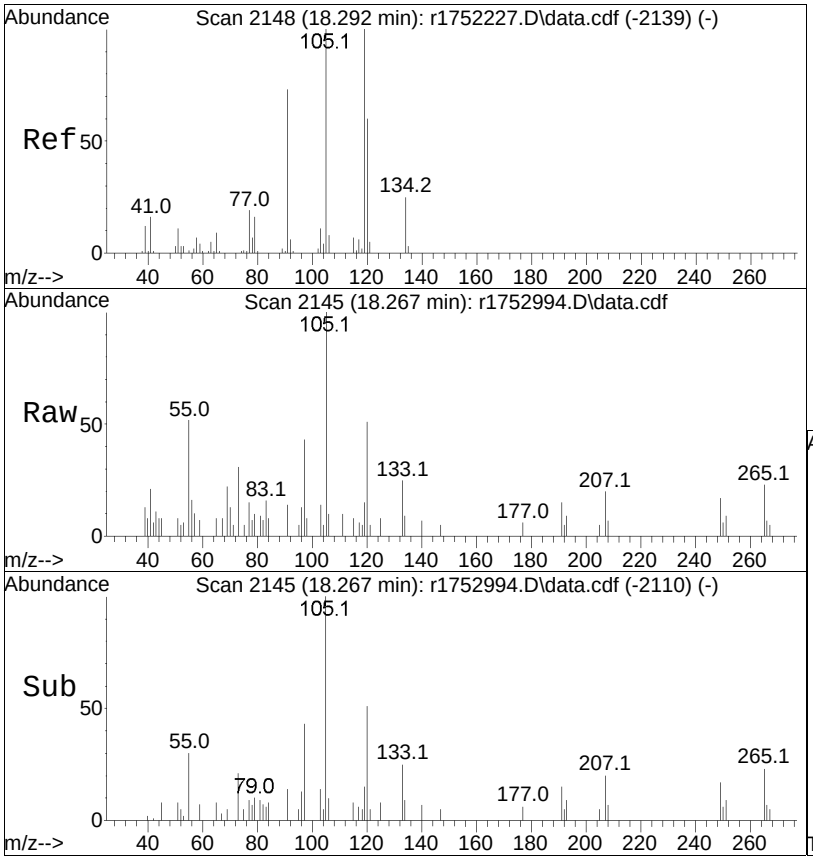


#87
o-xylene
Concen: 0.07 ppbV
RT: 16.767 min Scan# 1967
Delta R.T. -0.025 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion: 91 Resp: 5468

Ion	Ratio	Lower	Upper
91	100		
106	52.6	38.4	57.6

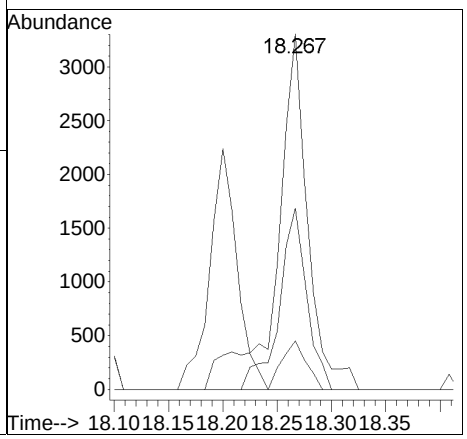




#99
1,2,4-trimethylbenzene
Concen: 0.08 ppbV
RT: 18.267 min Scan# 2145
Delta R.T. -0.025 min
Lab File: r1752994.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:105 Resp: 6538

Ion	Ratio	Lower	Upper
105	100		
120	51.0	48.0	72.0
91	13.7	58.3	87.5#

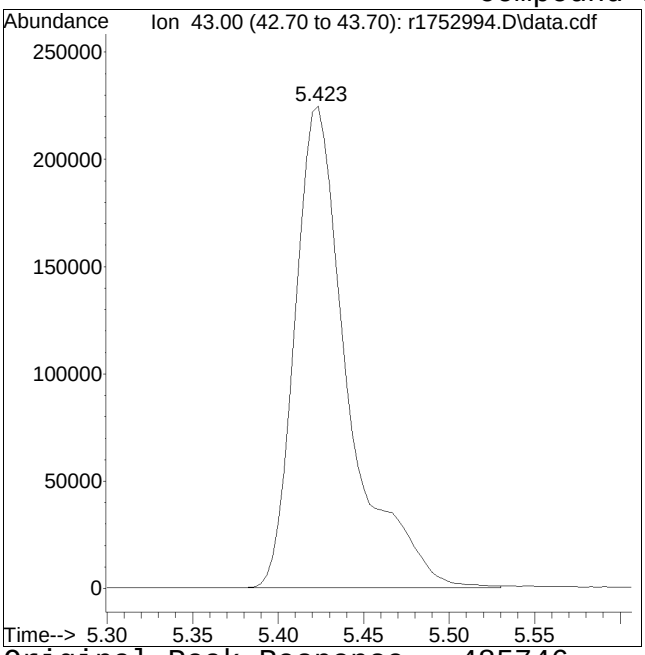


Manual Integration Report

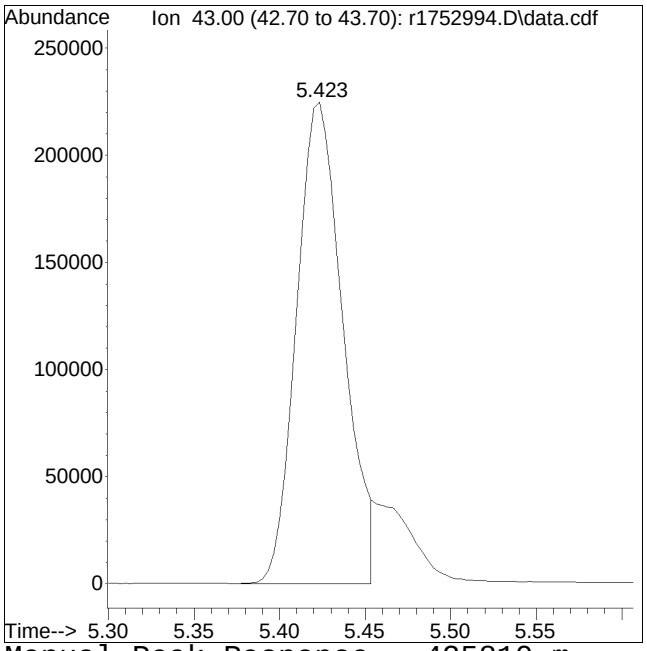
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752994.D
Date Inj'd : 12/18/2025 10:42 PM
Sample : WG2155823-5,3,250,250

Method : TFS17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:20 am

Compound #19: acetone



Original Peak Response = 485746



Manual Peak Response = 425810 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558383.D
Acq On : 20 Dec 2025 8:41 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-5,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 09:18:28 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : TO15_STD+Naph - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	9.167	49	434466	10.000	ppbV	-0.13
Standard Area = 486961			Recovery =		89.22%	
43) 1,4-difluorobenzene	11.423	114	768516	10.000	ppbV	-0.11
Standard Area = 916541			Recovery =		83.85%	
67) chlorobenzene-D5	16.117	54	194557	10.000	ppbV	-0.08
Standard Area = 216453			Recovery =		89.88%	
System Monitoring Compounds						
Target Compounds						Qvalue
3) propylene	3.922	41	3916M6	0.130	ppbV	
5) dichlorodifluoromethane	3.988	85	26624	0.489	ppbV	98
6) chloromethane	4.162	50	1559	0.053	ppbV	96
7) Freon-114	4.264		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	5.164	31	71410	1.997	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	5.693	43	46530	1.081	ppbV #	94
21) trichlorofluoromethane	5.870	101	9564	0.201	ppbV	100
22) isopropyl alcohol	5.970	45	87945	1.604	ppbV #	97
26) 1,1-dichloroethene	0.000		0	N.D.		
28) methylene chloride	6.726	49	1807	0.050	ppbV #	75
29) 3-chloropropene	0.000		0	N.D.		
30) carbon disulfide	7.032	76	15593	0.222	ppbV #	76
31) Freon 113	7.026	101	2847	0.063	ppbV #	85
32) trans-1,2-dichloroethene	0.000		0	N.D.		
33) 1,1-dichloroethane	8.050		0	N.D.		
34) MTBE	0.000		0	N.D.	d	
35) vinyl acetate	0.000		0	N.D.	d	
36) 2-butanone	8.483	43	99281	1.420	ppbV	97
37) cis-1,2-dichloroethene	0.000		0	N.D.		
38) Ethyl Acetate	9.267	61	3903	0.372	ppbV	69
39) chloroform	9.325	83	12883	0.255	ppbV	95
40) Tetrahydrofuran	9.792	42	22391	0.622	ppbV	97
42) 1,2-dichloroethane	0.000		0	N.D.		
44) hexane	9.233	57	3955	0.082	ppbV #	30

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558383.D
Acq On : 20 Dec 2025 8:41 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-5,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 09:18:28 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab15\2025\12\1219T\r1558357.D
Sub List : TO15_STD+Naph - .

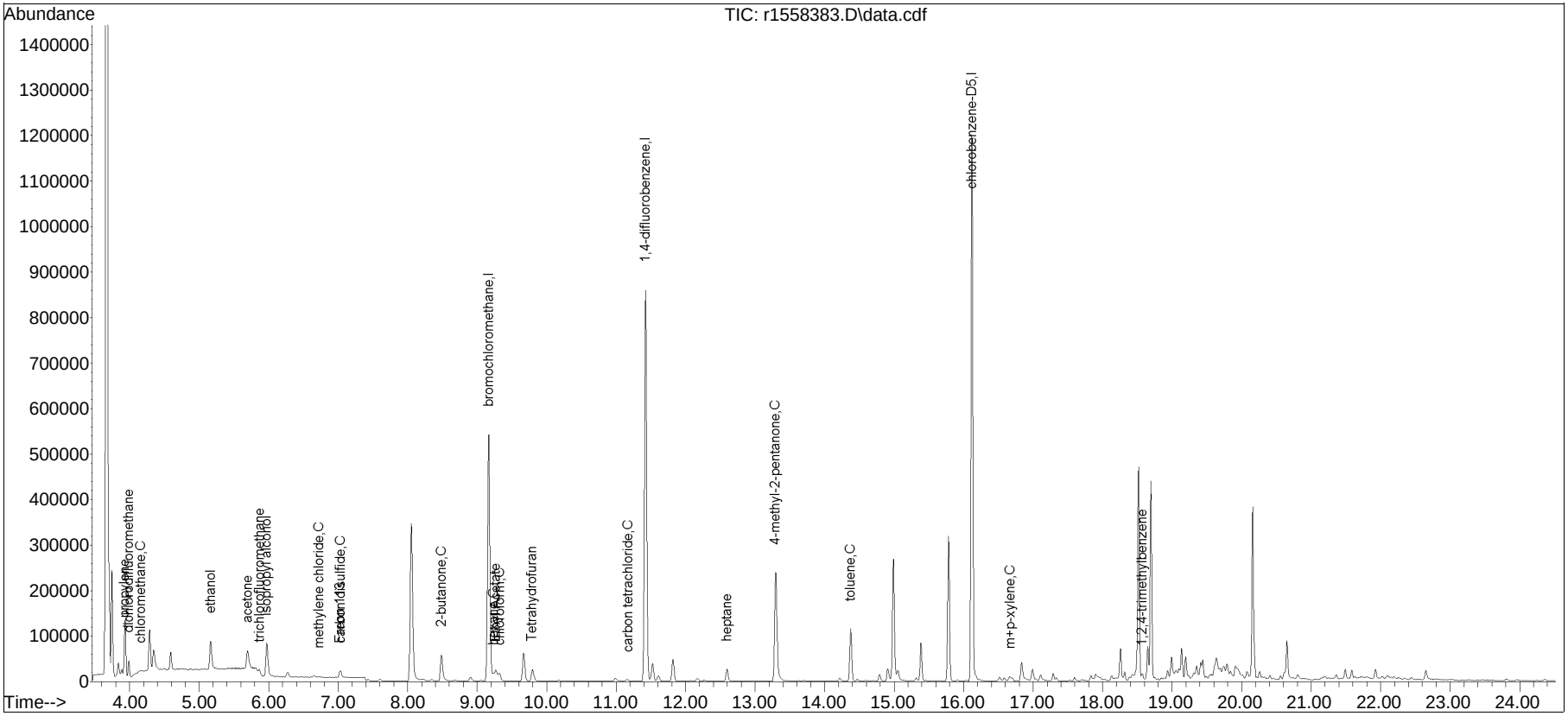
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-trichloroethane	0.000		0	N.D.			
50)	benzene	10.997		0	N.D.			
52)	carbon tetrachloride	11.170	117	2102	0.066	ppbV	#	91
53)	cyclohexane	11.317		0	N.D.			
56)	1,2-dichloropropane	11.950		0	N.D.			
57)	bromodichloromethane	12.183		0	N.D.			
58)	1,4-dioxane	0.000		0	N.D.			
59)	trichloroethene	0.000		0	N.D.			
60)	2,2,4-trimethylpentane	12.277		0	N.D.			
62)	heptane	12.597	43	14914	0.267	ppbV		89
63)	cis-1,3-dichloropropene	13.375		0	N.D.			
64)	4-methyl-2-pentanone	13.292	43	254015	3.740	ppbV		90
65)	trans-1,3-dichloropropene	0.000		0	N.D.			
66)	1,1,2-trichloroethane	0.000		0	N.D.			
68)	toluene	14.375	91	84307	0.844	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.			
78)	tetrachloroethene	15.517		0	N.D.			
80)	chlorobenzene	16.167		0	N.D.			
81)	ethylbenzene	16.508		0	N.D.			
83)	m+p-xylene	16.667	91	7878	0.077	ppbV		99
84)	bromoform	0.000		0	N.D.			
85)	styrene	17.000		0	N.D.			
86)	1,1,2,2-tetrachloroethane	17.125		0	N.D.			
87)	o-xylene	17.100		0	N.D.			
96)	4-ethyl toluene	18.225		0	N.D.			
97)	1,3,5-trimethylbenzene	18.225		0	N.D.			
99)	1,2,4-trimethylbenzene	18.567	105	4231	0.036	ppbV	#	49
101)	Benzyl Chloride	18.775		0	N.D.			
102)	1,3-dichlorobenzene	0.000		0	N.D.			
103)	1,4-dichlorobenzene	0.000		0	N.D.			
107)	1,2-dichlorobenzene	0.000		0	N.D.			
115)	1,2,4-trichlorobenzene	0.000		0	N.D.			
116)	naphthalene	20.742		0	N.D.			
119)	hexachlorobutadiene	0.000		0	N.D.			

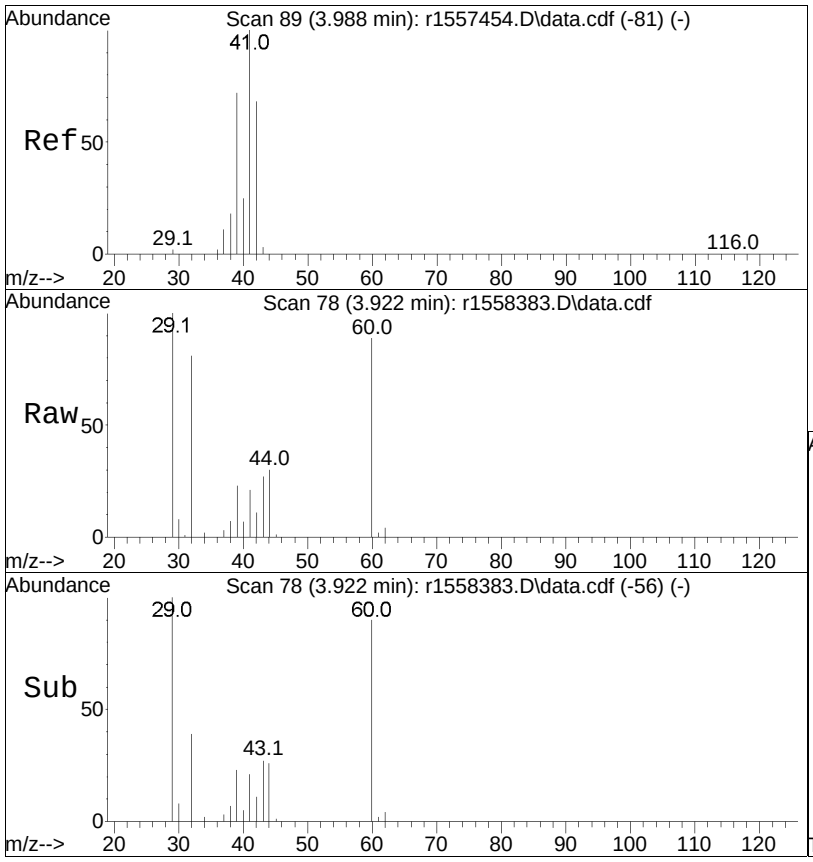
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15_STD+Naph - .rlab15\2025\12\1219T\r1558357.D

Data Path : X:\Airlab\Data\Airlab15\2025\12\1219T\
Data File : r1558383.D
Acq On : 20 Dec 2025 8:41 AM
Operator : AIRLAB15:TPH
Sample : WG2156391-5,3,250,250
Misc : WG2156391,ICAL22781
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 20 09:18:28 2025
Quant Method : X:\Airlab\Data\Airlab15\2025\12\1219T\TFS15_251030.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Mon Nov 03 09:21:47 2025
Response via : Initial Calibration

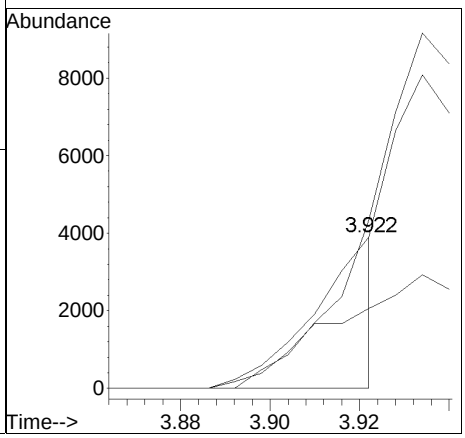


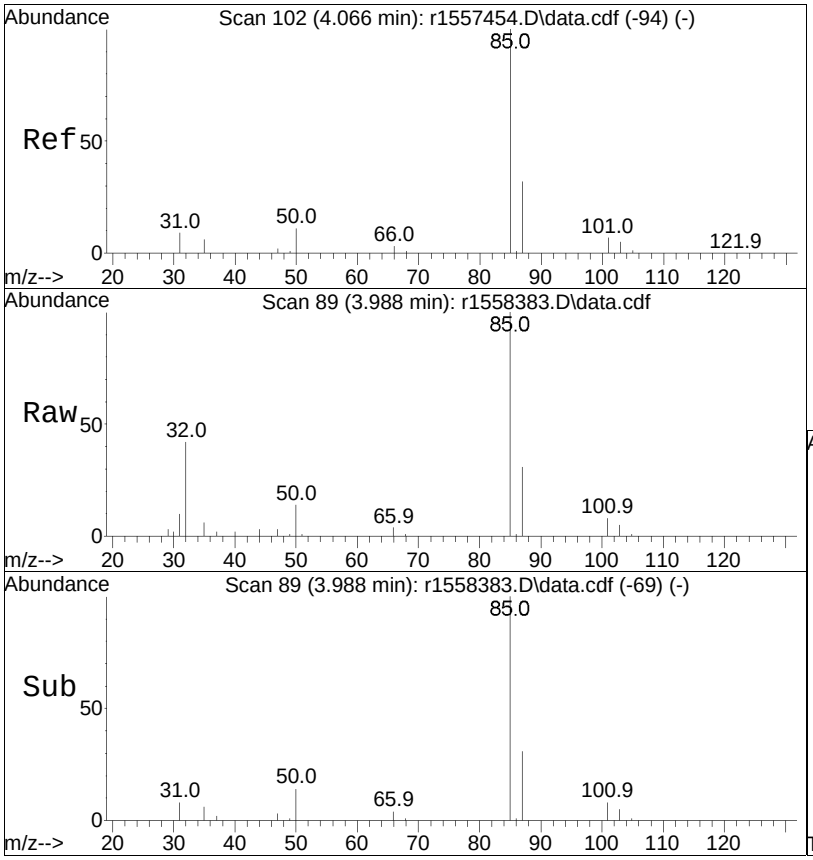


#3
propylene
Concen: 0.13 ppbV m
RT: 3.922 min Scan# 78
Delta R.T. -0.066 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 41 Resp: 3916

Ion	Ratio	Lower	Upper
41	100		
42	52.9	54.5	81.7#
39	111.2	57.4	86.2#

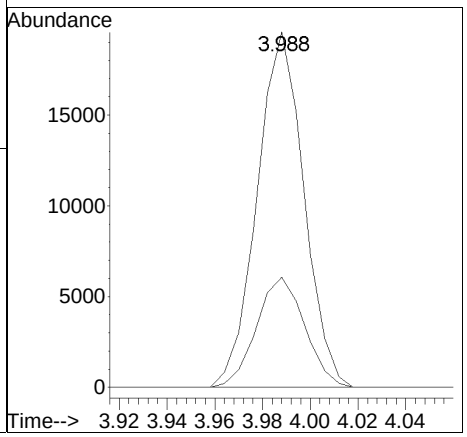


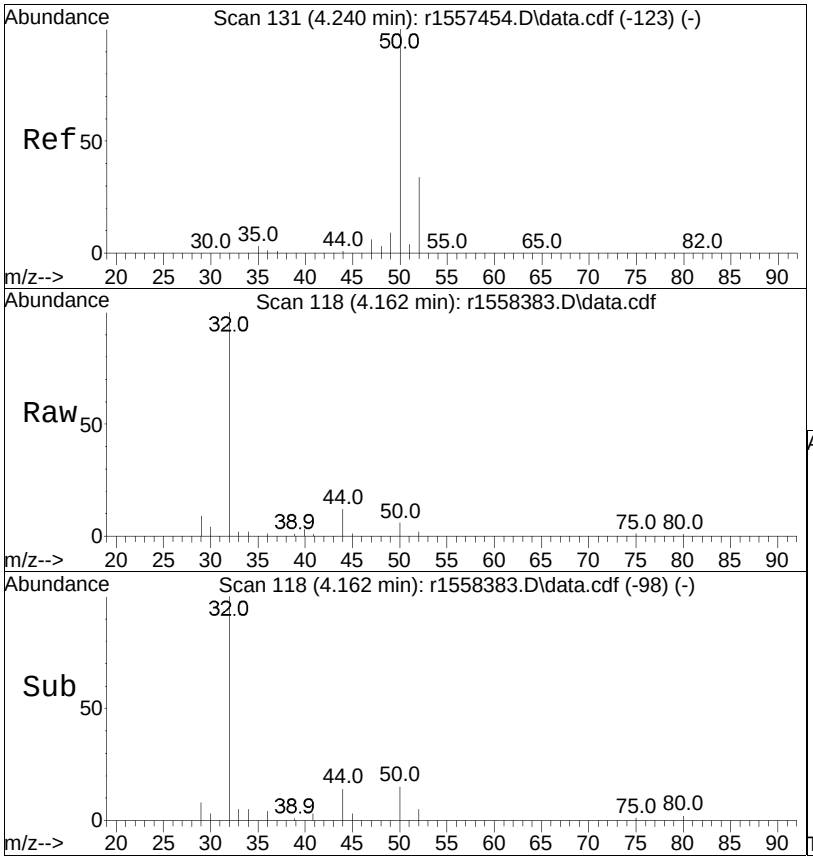


#5
dichlorodifluoromethane
Concen: 0.49 ppbV
RT: 3.988 min Scan# 89
Delta R.T. -0.078 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 85 Resp: 26624

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.7	38.5

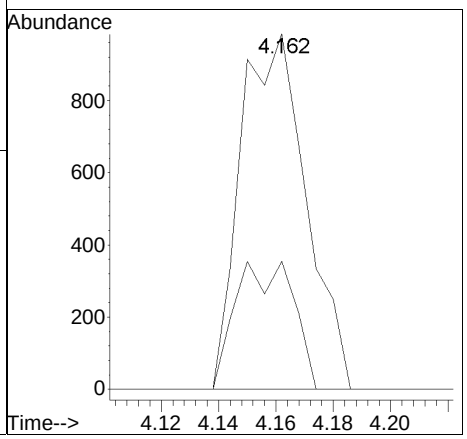


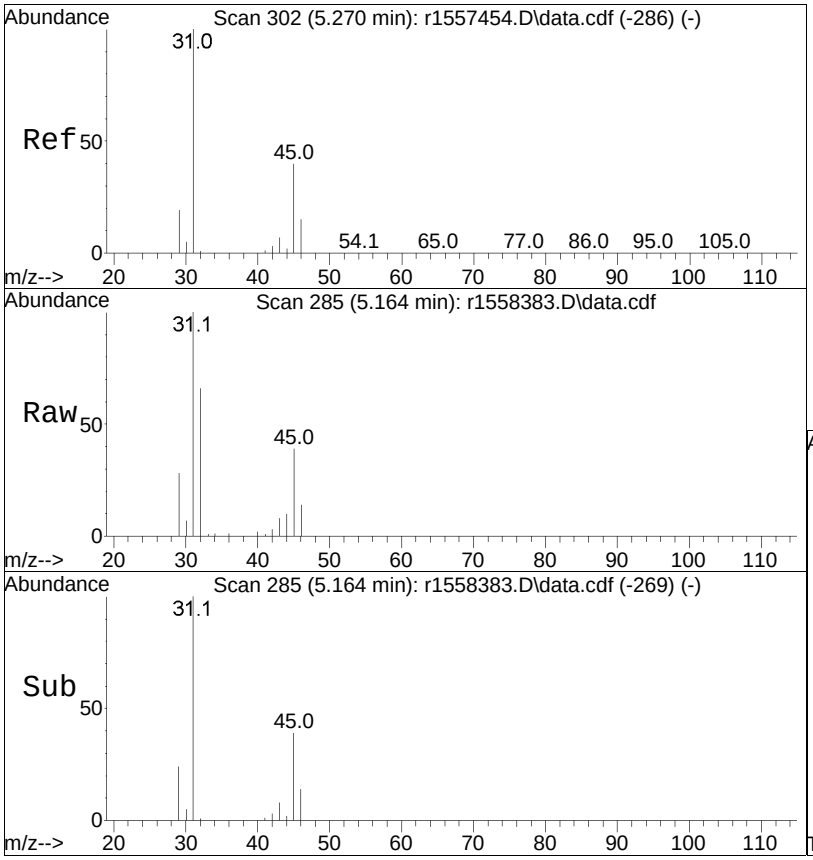


#6
chloromethane
Concen: 0.05 ppbV
RT: 4.162 min Scan# 118
Delta R.T. -0.078 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 50 Resp: 1559

Ion	Ratio	Lower	Upper
50	100		
52	36.0	27.0	40.4

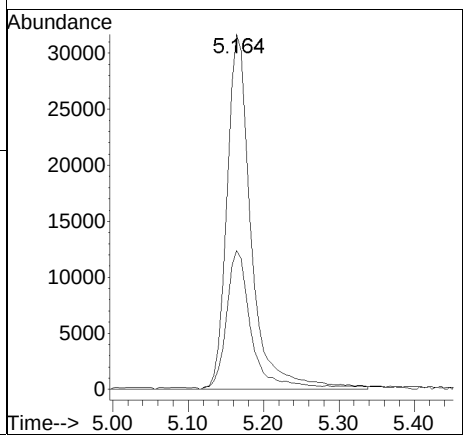


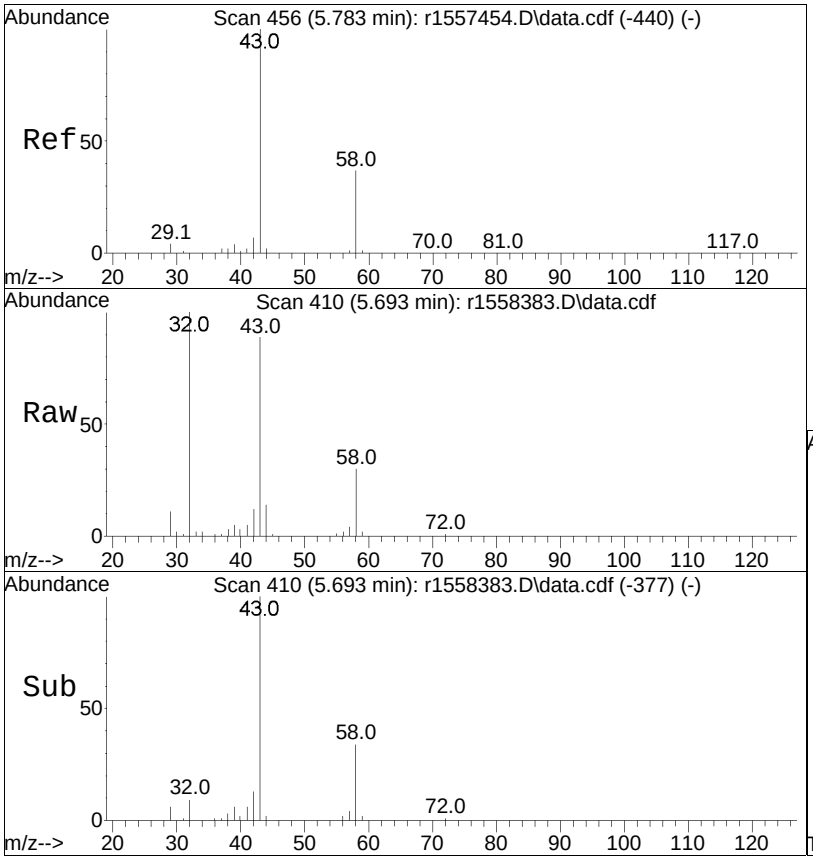


#15
ethanol
Concen: 2.00 ppbV
RT: 5.164 min Scan# 285
Delta R.T. -0.106 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 31 Resp: 71410

Ion	Ratio	Lower	Upper
31	100		
45	39.1	32.1	48.1

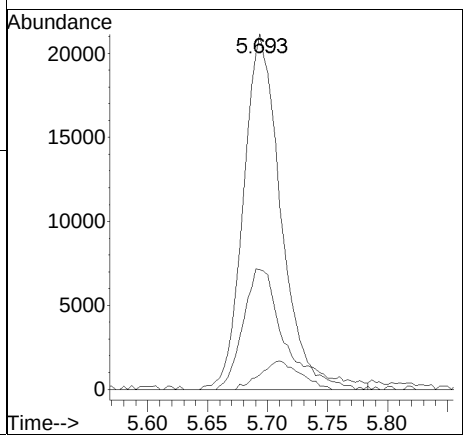


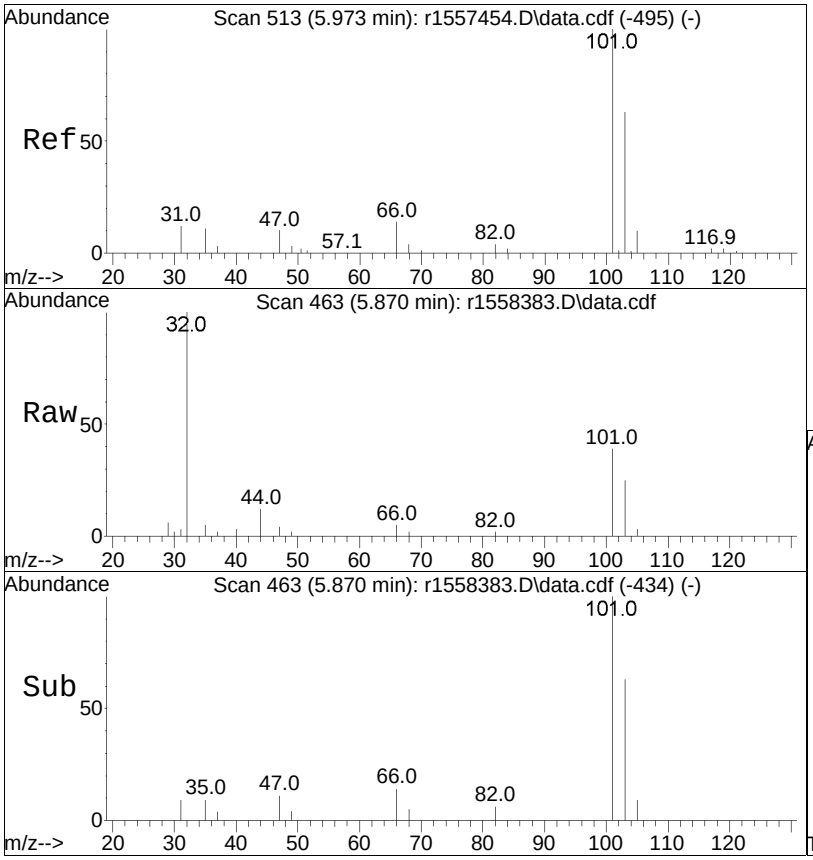


#19
acetone
Concen: 1.08 ppbV
RT: 5.693 min Scan# 410
Delta R.T. -0.090 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 43 Resp: 46530

Ion	Ratio	Lower	Upper
43	100		
58	33.7	29.9	44.9
57	4.1	0.8	1.2#

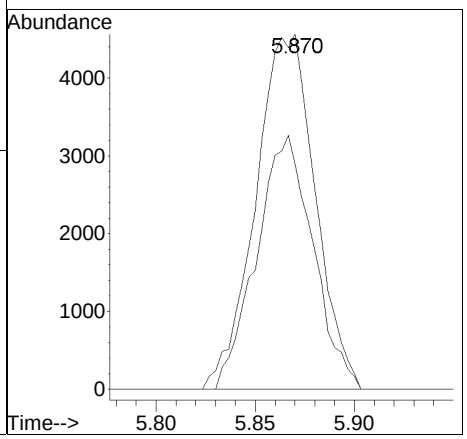


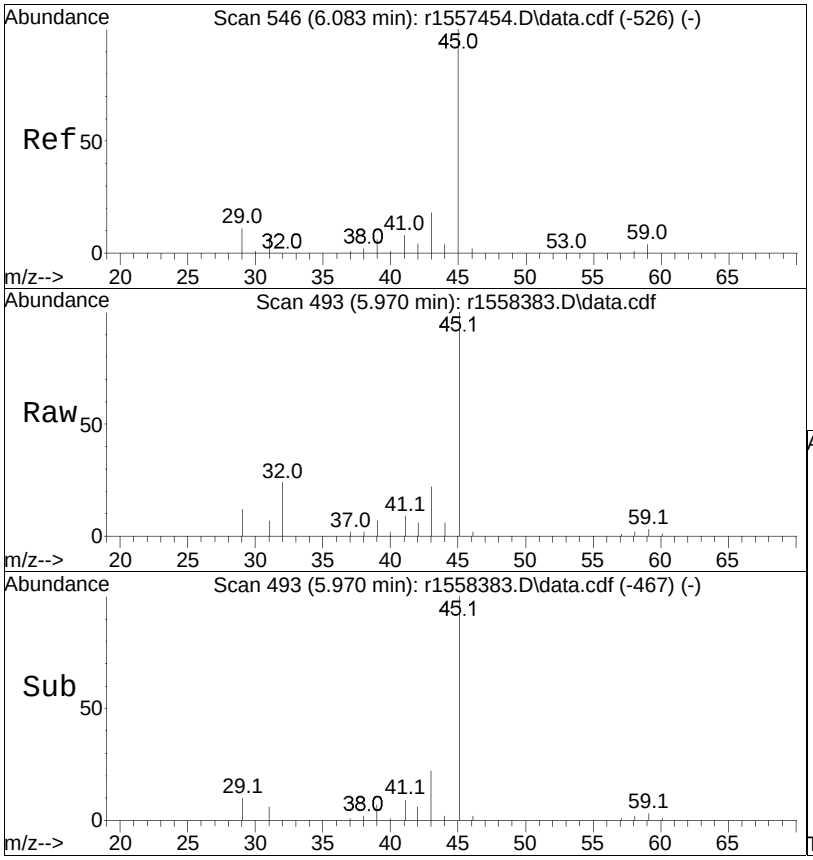


#21
trichlorofluoromethane
Concen: 0.20 ppbV
RT: 5.870 min Scan# 463
Delta R.T. -0.103 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion:101 Resp: 9564

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.6	75.8

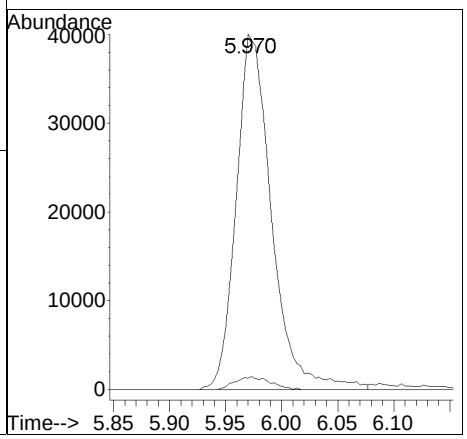


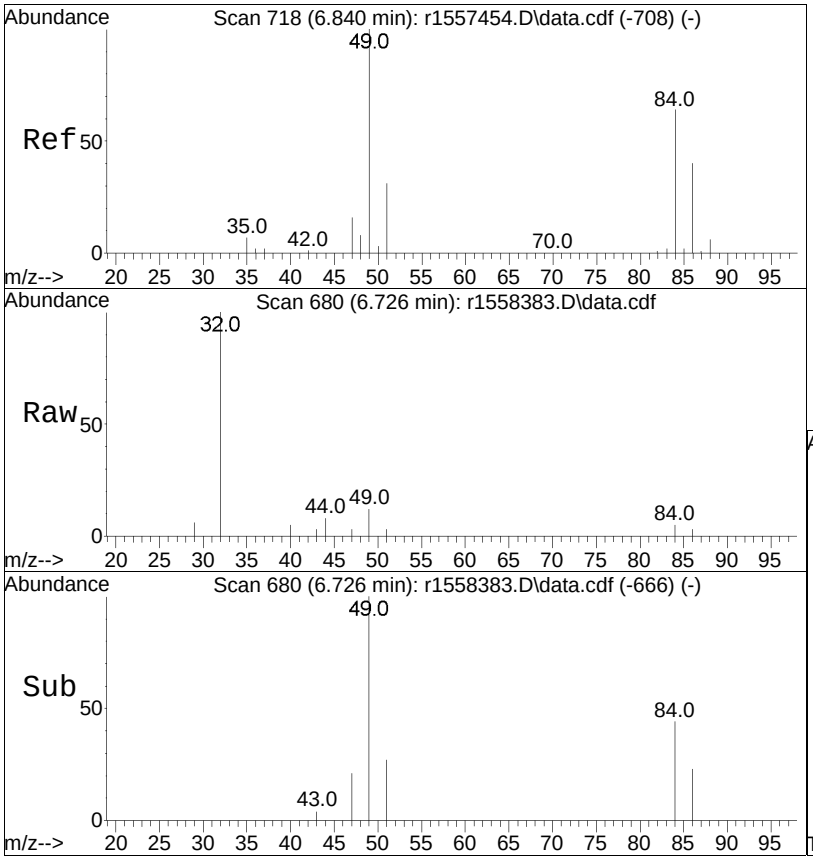


#22
isopropyl alcohol
Concen: 1.60 ppbV
RT: 5.970 min Scan# 493
Delta R.T. -0.113 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 45 Resp: 87945

Ion	Ratio	Lower	Upper
45	100		
59	3.2	3.4	5.0#

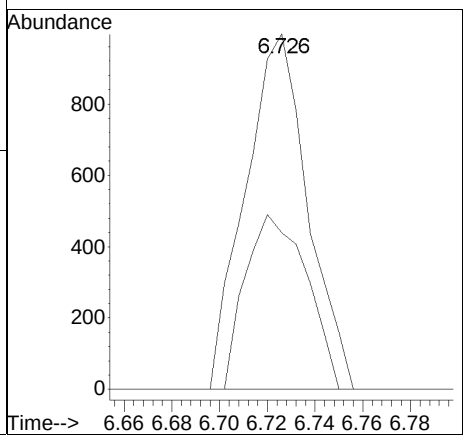


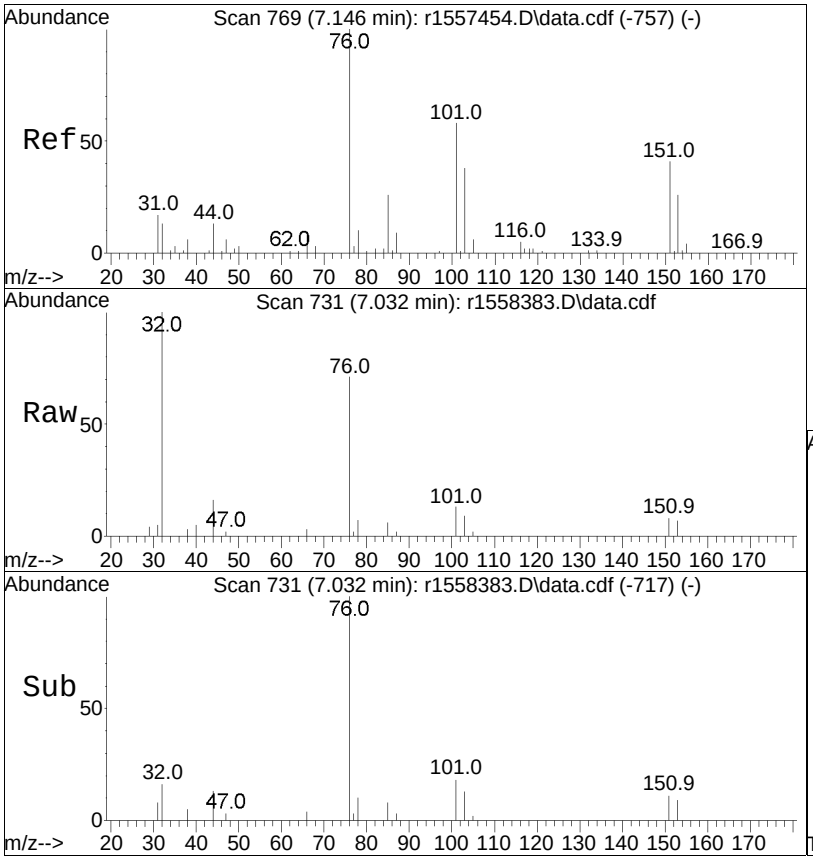


#28
methylene chloride
Concen: 0.05 ppbV
RT: 6.726 min Scan# 680
Delta R.T. -0.114 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 49 Resp: 1807

Ion	Ratio	Lower	Upper
49	100		
84	44.1	51.0	76.4#

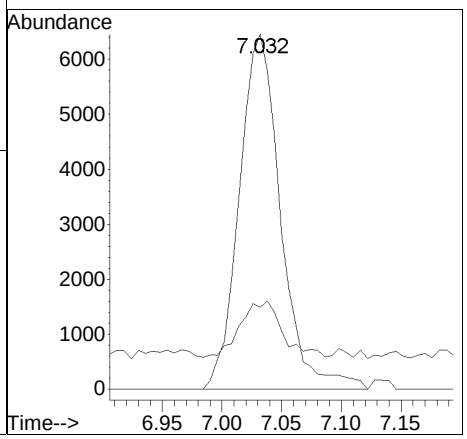


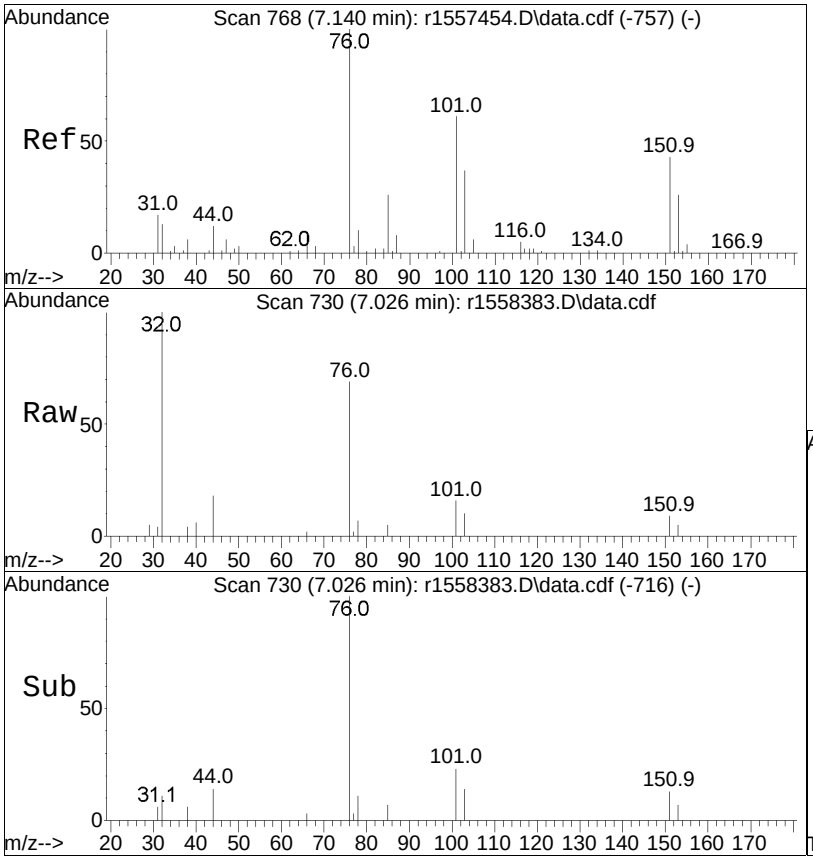


#30
carbon disulfide
Concen: 0.22 ppbV
RT: 7.032 min Scan# 731
Delta R.T. -0.114 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 76 Resp: 15593

Ion	Ratio	Lower	Upper
76	100		
44	23.1	10.7	16.1#

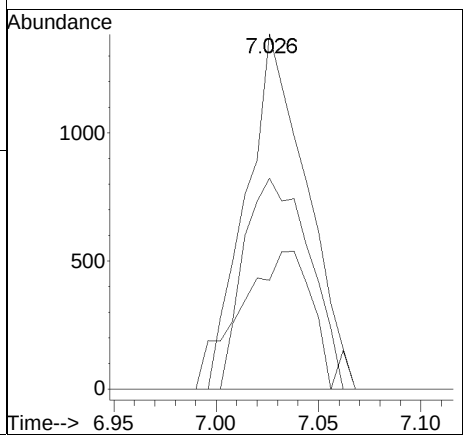


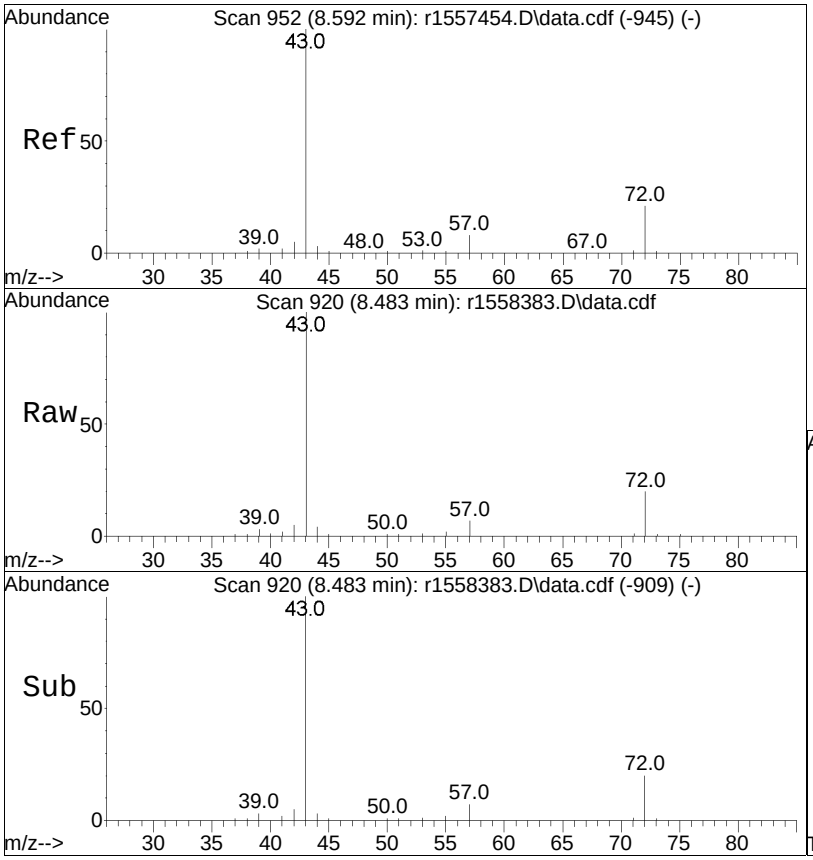


#31
Freon 113
Concen: 0.06 ppbV
RT: 7.026 min Scan# 730
Delta R.T. -0.114 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion:101 Resp: 2847

Ion	Ratio	Lower	Upper
101	100		
85	30.7	34.5	51.7#
151	59.4	55.8	83.6

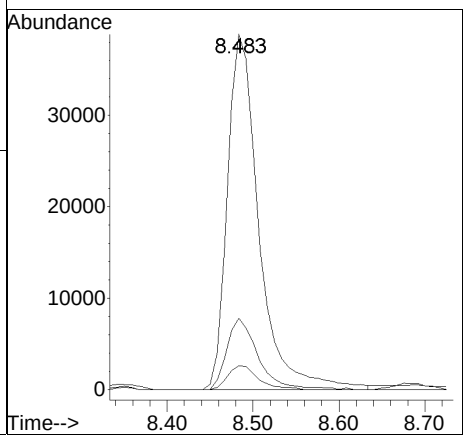


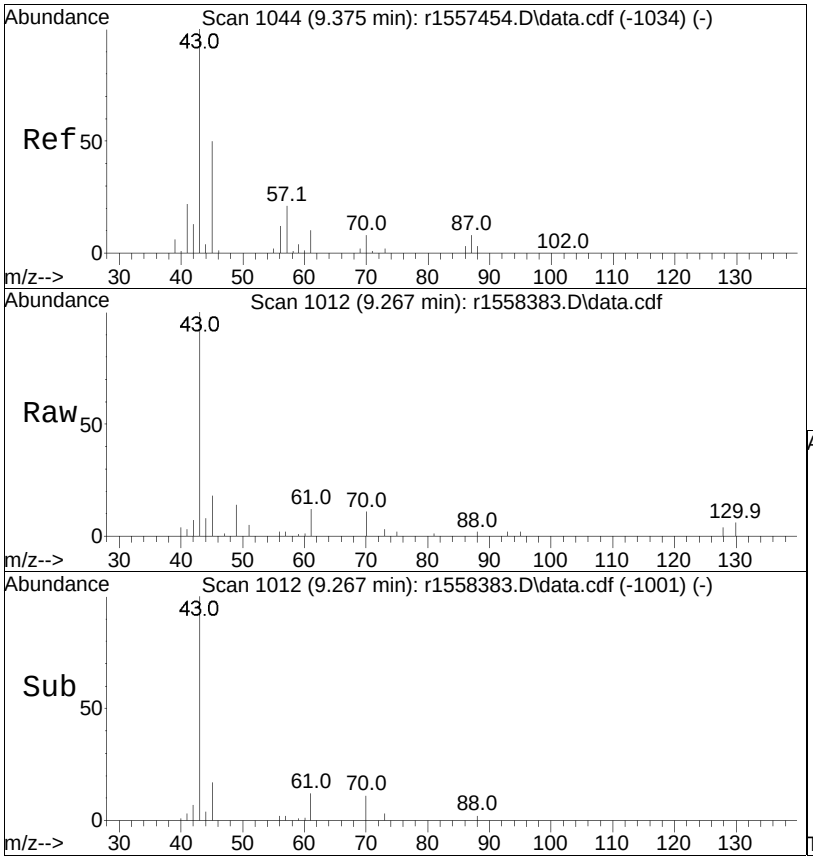


#36
2-butanone
Concen: 1.42 ppbV
RT: 8.483 min Scan# 920
Delta R.T. -0.108 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 43 Resp: 99281

Ion	Ratio	Lower	Upper
43	100		
72	20.1	17.1	25.7
57	6.6	6.3	9.5

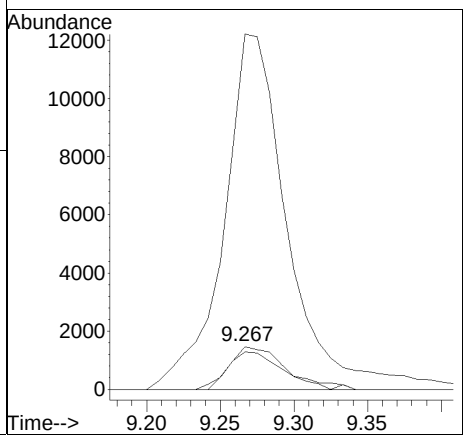


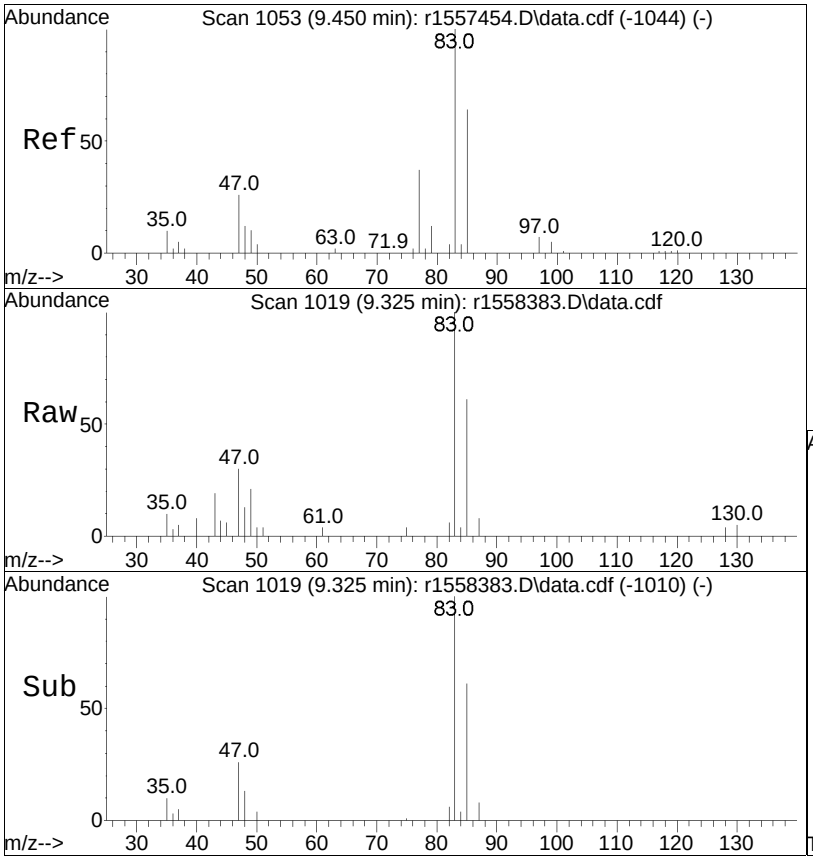


#38
Ethyl Acetate
Concen: 0.37 ppbV
RT: 9.267 min Scan# 1012
Delta R.T. -0.108 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 61 Resp: 3903

Ion	Ratio	Lower	Upper
61	100		
70	87.8	64.9	97.3
43	832.6	783.5	1175.3

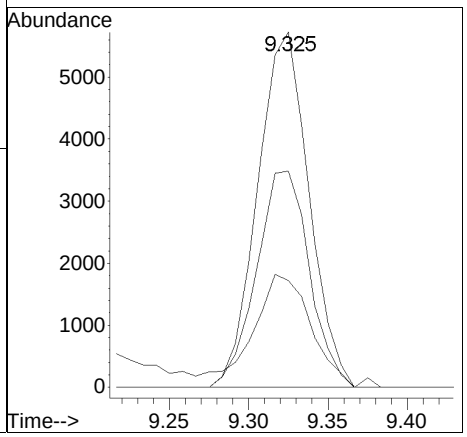


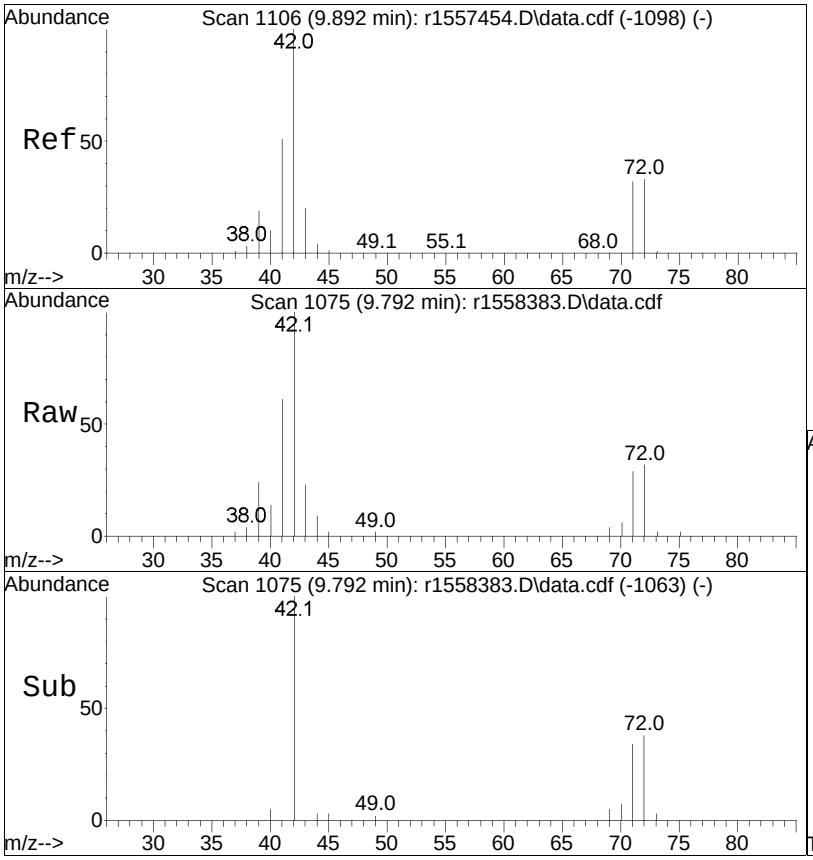


#39
chloroform
Concen: 0.26 ppbV
RT: 9.325 min Scan# 1019
Delta R.T. -0.125 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 83 Resp: 12883

Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.1	76.7
47	30.1	21.2	31.8

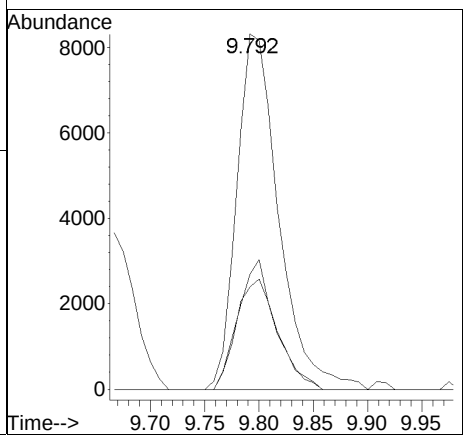


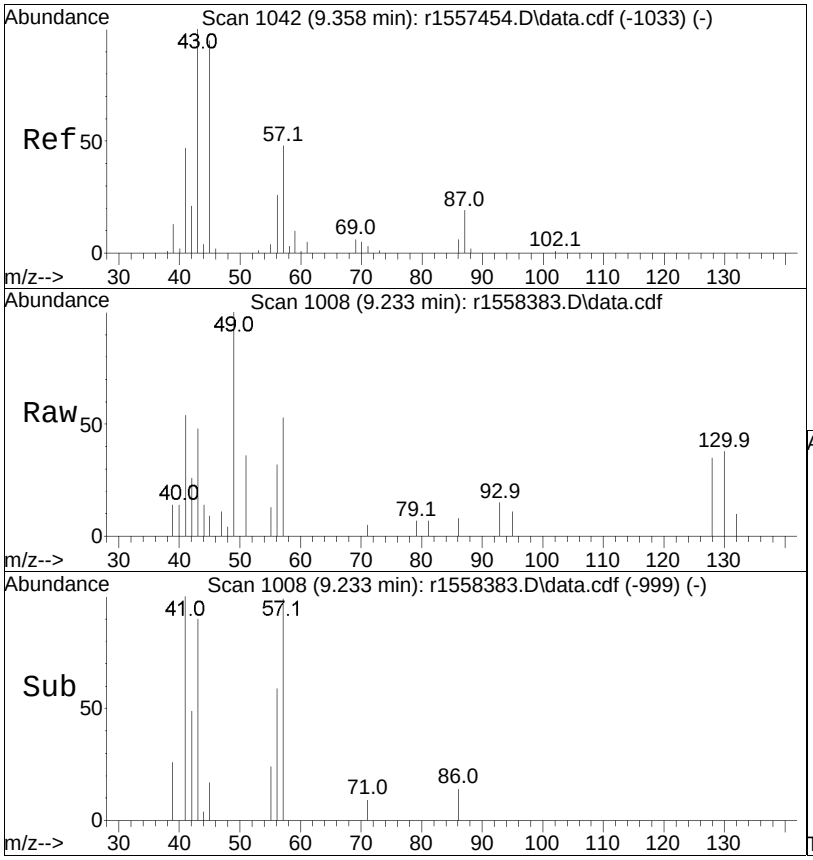


#40
Tetrahydrofuran
Concen: 0.62 ppbV
RT: 9.792 min Scan# 1075
Delta R.T. -0.100 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 42 Resp: 22391

Ion	Ratio	Lower	Upper
42	100		
71	28.9	25.7	38.5
72	32.4	26.2	39.2

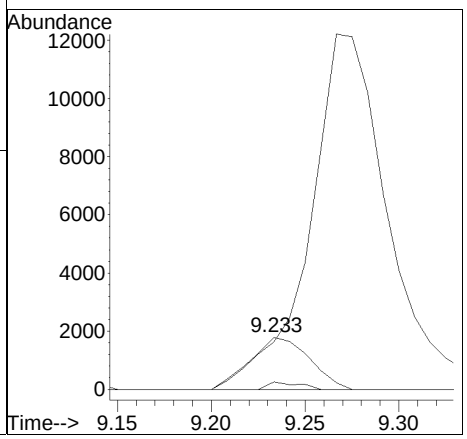


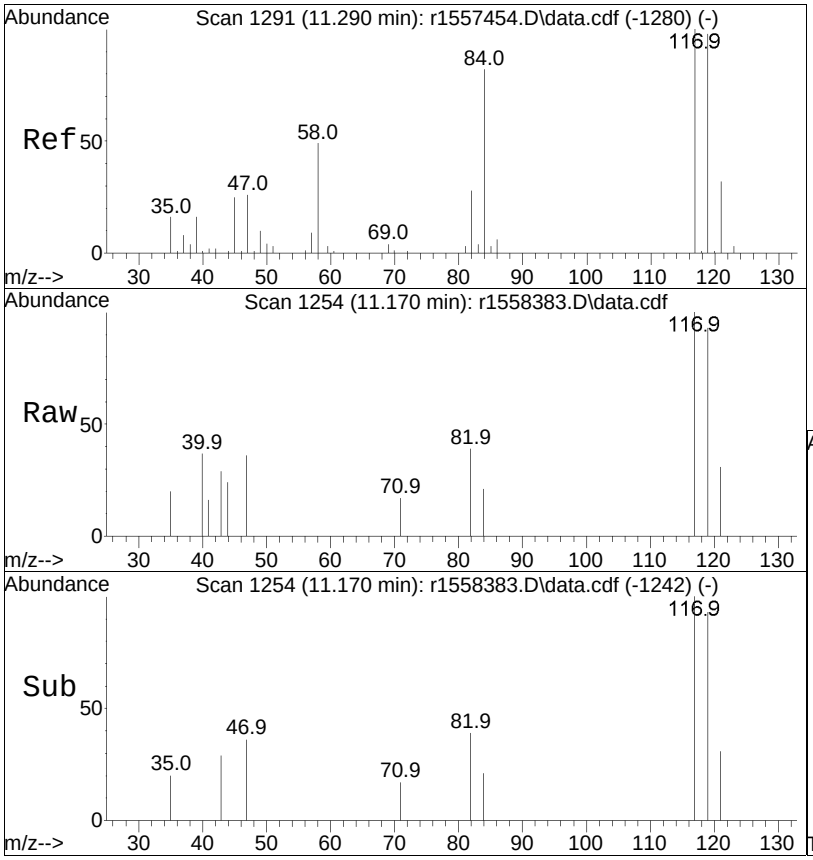


#44
hexane
Concen: 0.08 ppbV
RT: 9.233 min Scan# 1008
Delta R.T. -0.125 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 57 Resp: 3955

Ion	Ratio	Lower	Upper
57	100		
43	91.2	165.2	247.8#
86	14.4	10.5	15.7

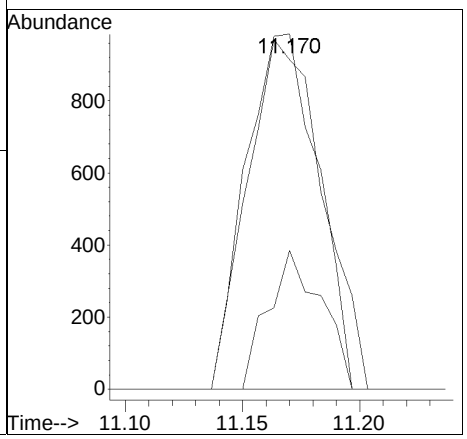


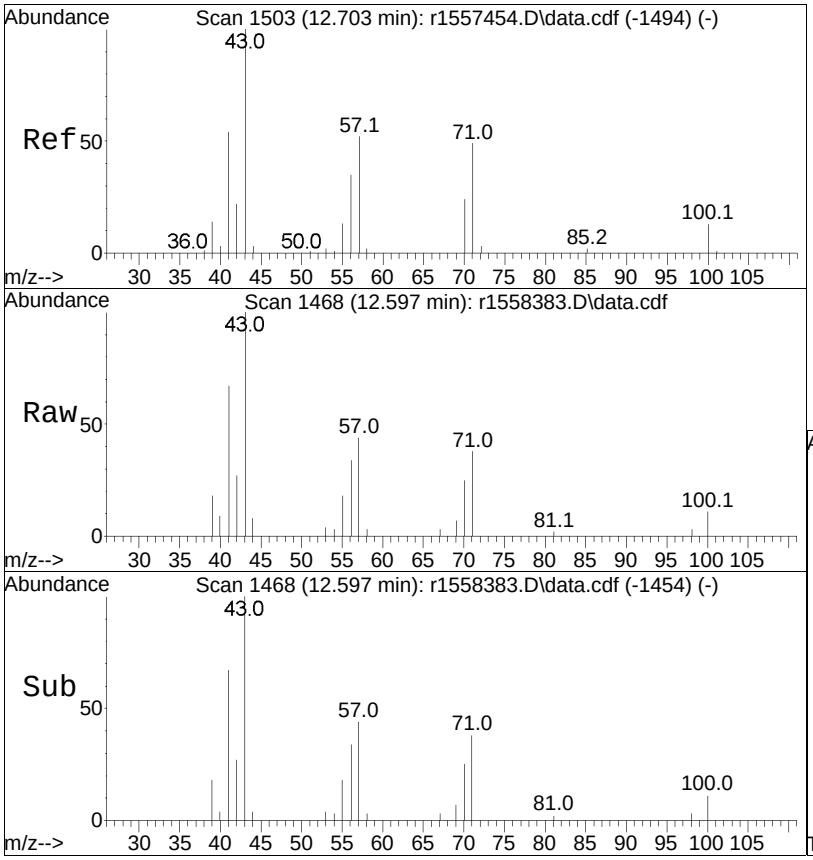


#52
carbon tetrachloride
Concen: 0.07 ppbV
RT: 11.170 min Scan# 1254
Delta R.T. -0.120 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion:117 Resp: 2102

Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.5	117.7
82	39.1	22.2	33.4#

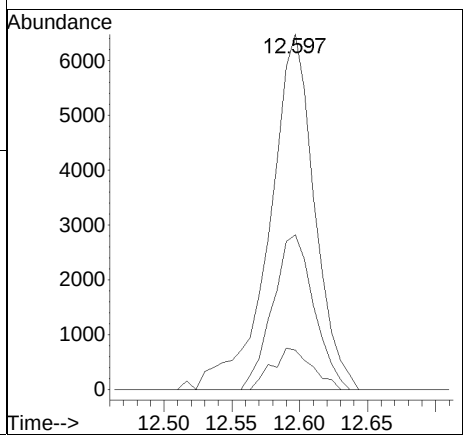


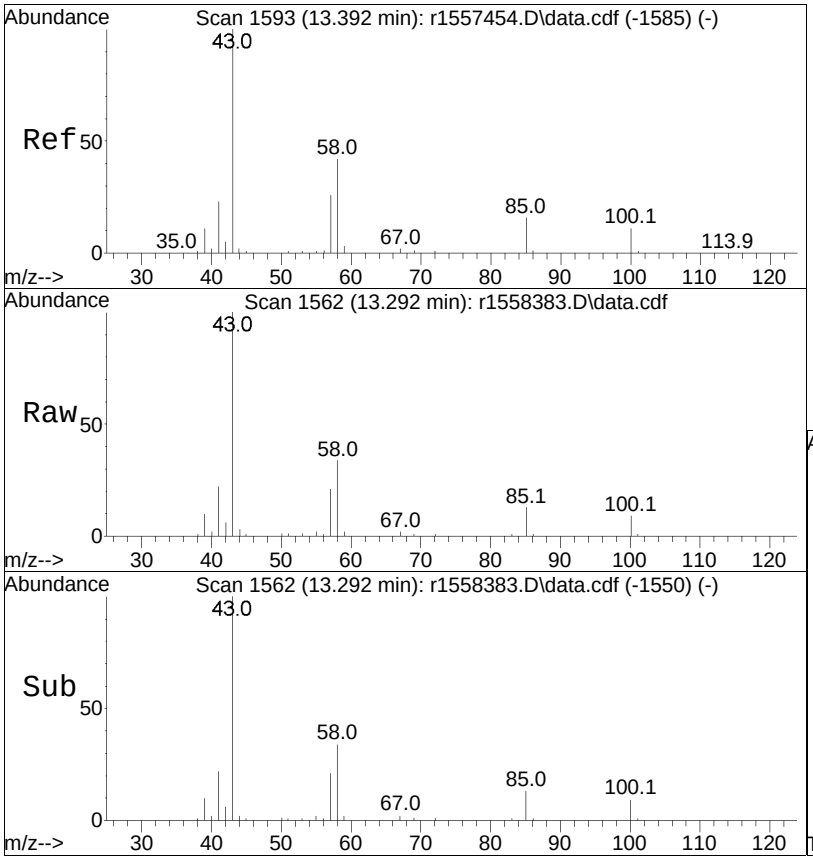


#62
heptane
Concen: 0.27 ppbV
RT: 12.597 min Scan# 1468
Delta R.T. -0.107 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 43 Resp: 14914

Ion	Ratio	Lower	Upper
43	100		
57	43.5	42.0	63.0
100	11.1	10.6	15.8

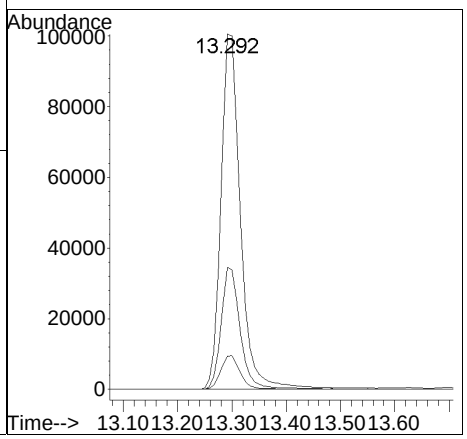


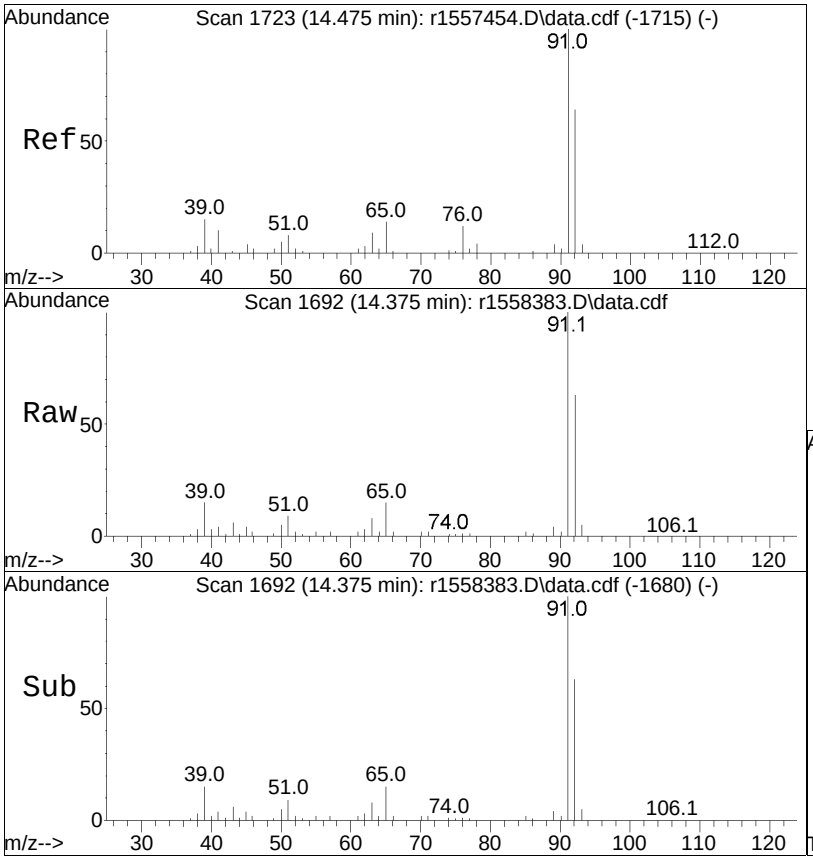


#64
4-methyl-2-pentanone
Concen: 3.74 ppbV
RT: 13.292 min Scan# 1562
Delta R.T. -0.100 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 43 Resp: 254015

Ion	Ratio	Lower	Upper
43	100		
58	34.4	33.5	50.3
100	9.4	9.0	13.6

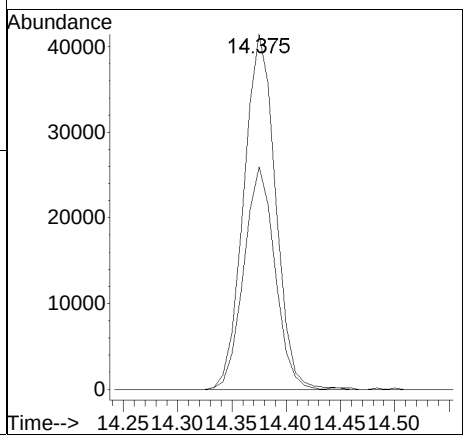


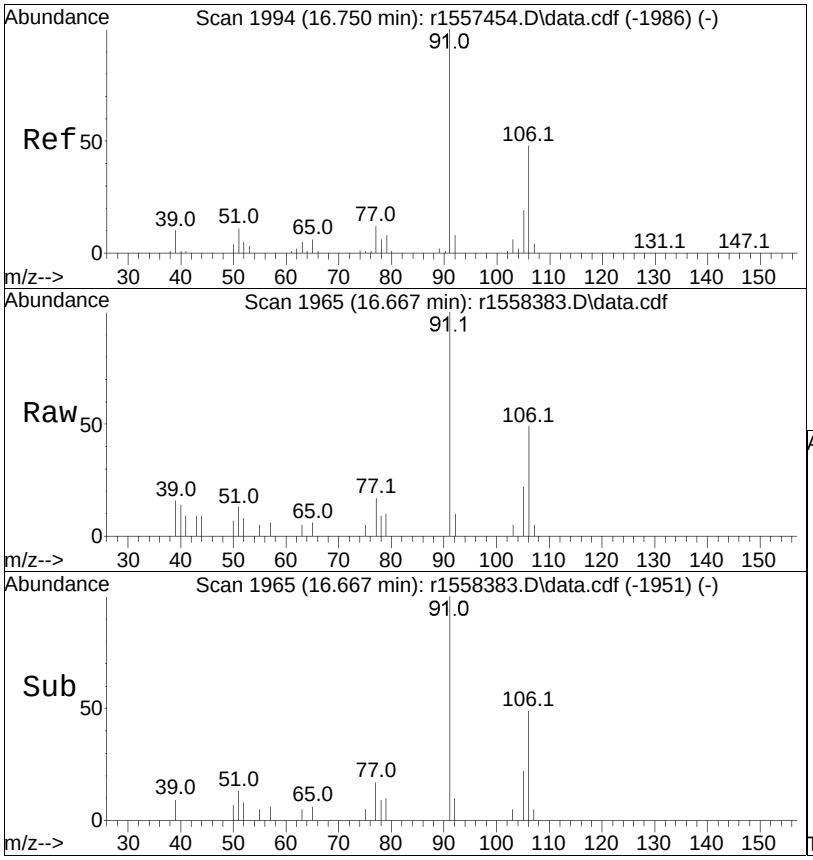


#68
toluene
Concen: 0.84 ppbV
RT: 14.375 min Scan# 1692
Delta R.T. -0.100 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 91 Resp: 84307

Ion	Ratio	Lower	Upper
91	100		
92	62.7	51.0	76.6

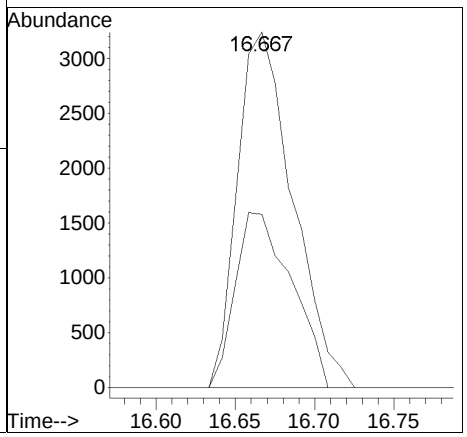


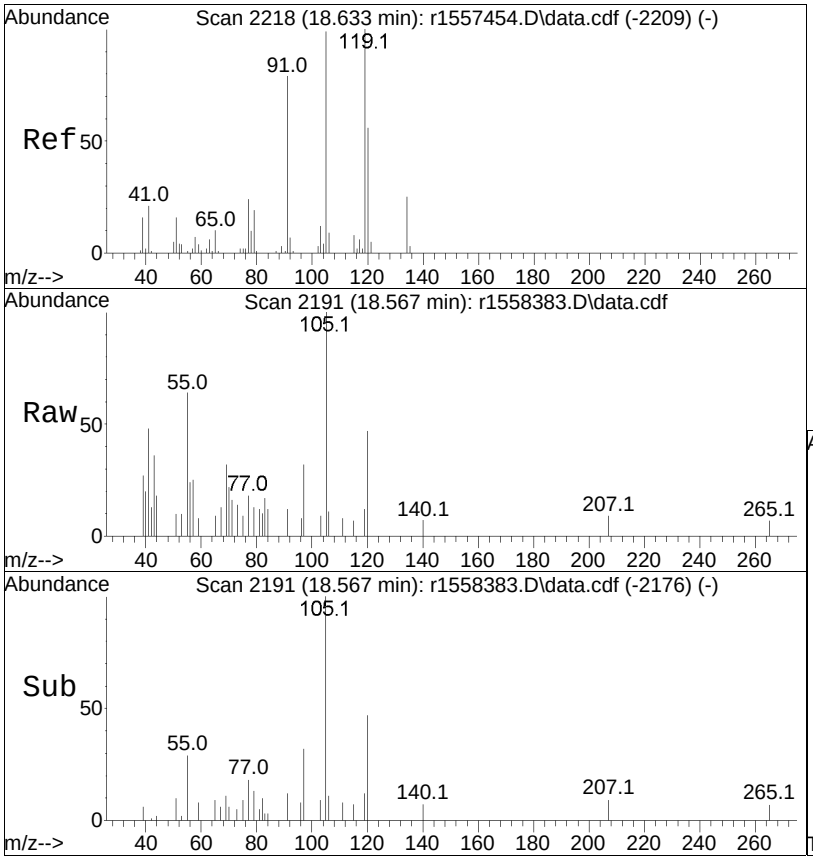


#83
m+p-xylene
Concen: 0.08 ppbV
RT: 16.667 min Scan# 1965
Delta R.T. -0.083 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion: 91 Resp: 7878

Ion	Ratio	Lower	Upper
91	100		
106	48.7	38.2	57.2

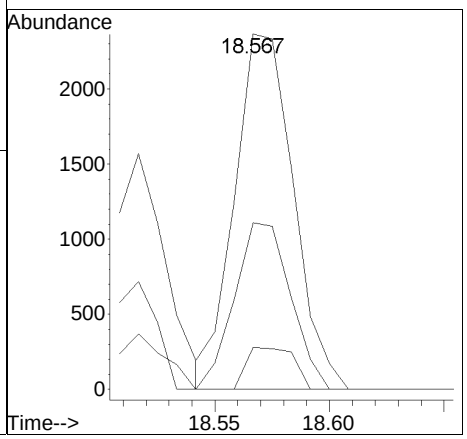




#99
1,2,4-trimethylbenzene
Concen: 0.04 ppbV
RT: 18.567 min Scan# 2191
Delta R.T. -0.067 min
Lab File: r1558383.D
Acq: 20 Dec 2025 8:41 AM

Tgt Ion:105 Resp: 4231

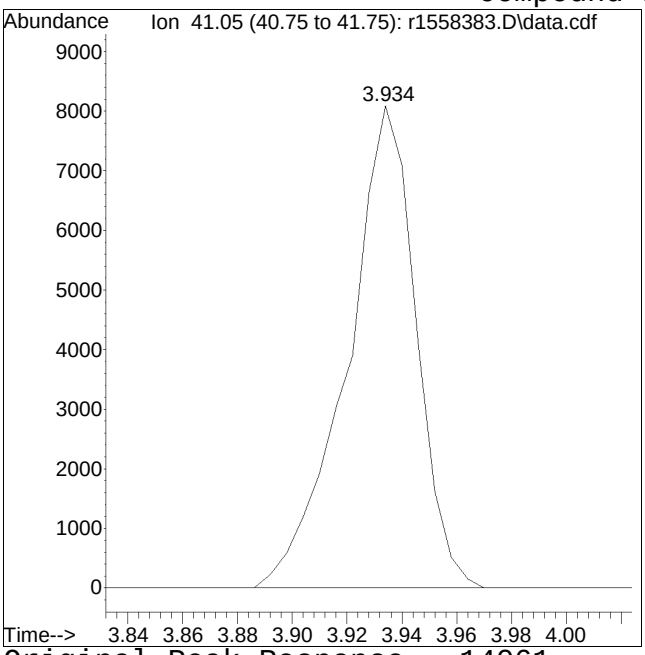
Ion	Ratio	Lower	Upper
105	100		
120	46.9	45.3	67.9
91	11.8	64.2	96.2#



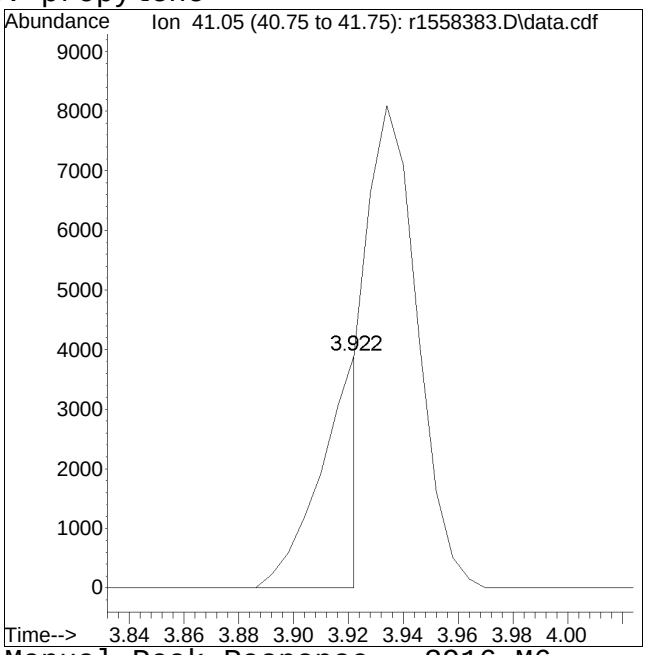
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1558383.D Operator : AIRLAB15:TPH
Date Inj'd : 12/20/2025 8:41 AM Instrument :
Sample : WG2156391-5,3,250,250 Quant Date : 12/20/2025 9:18 am

Compound #3: propylene



Original Peak Response = 14061



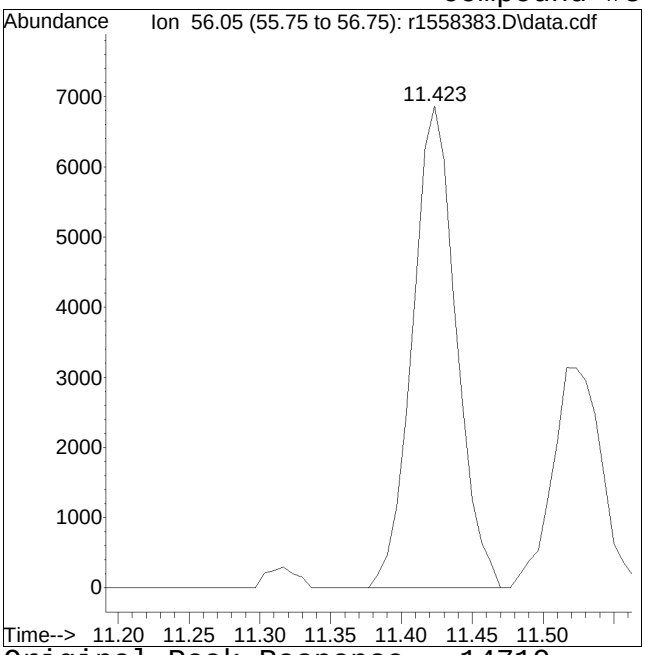
Manual Peak Response = 3916 M6

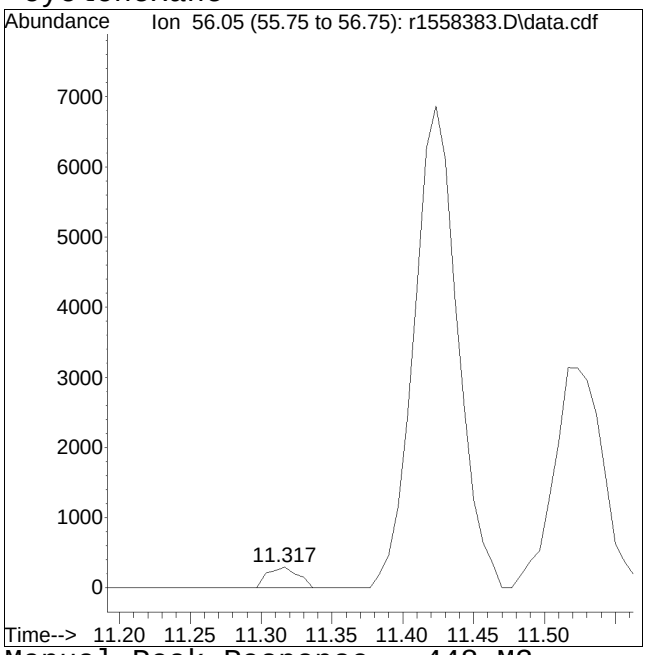
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1558383.D Operator : AIRLAB15:TPH
Date Inj'd : 12/20/2025 8:41 AM Instrument :
Sample : WG2156391-5,3,250,250 Quant Date : 12/20/2025 9:18 am

Compound #53: cyclohexane





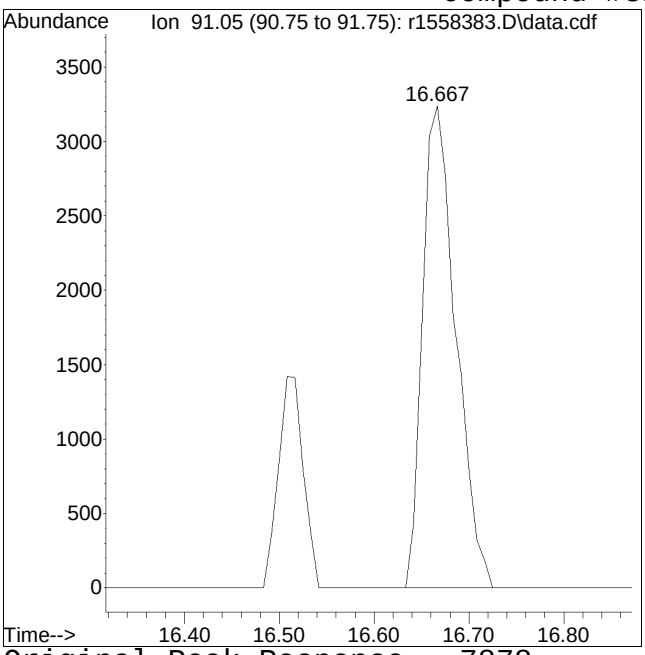
Original Peak Response = 14710 Manual Peak Response = 448 M3

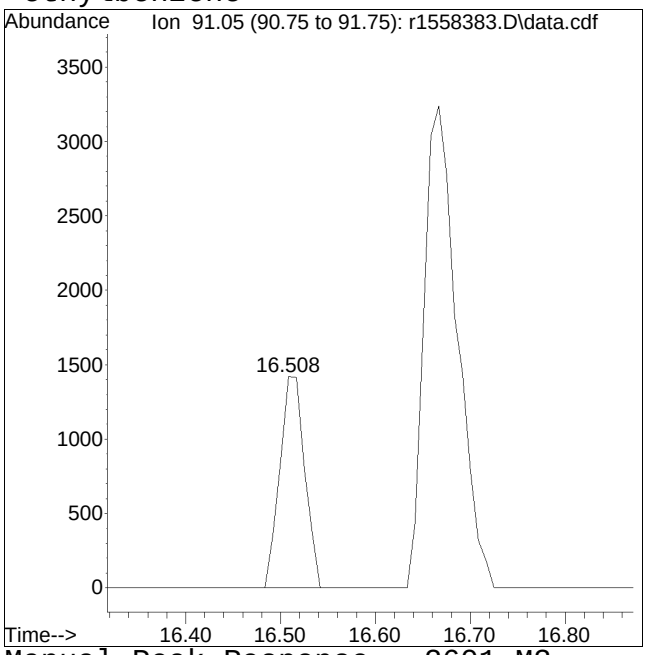
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab15\20QMethod : TFS15_251030.M
Data File : r1558383.D Operator : AIRLAB15:TPH
Date Inj'd : 12/20/2025 8:41 AM Instrument :
Sample : WG2156391-5,3,250,250 Quant Date : 12/20/2025 9:18 am

Compound #81: ethylbenzene





Original Peak Response = 7878 Manual Peak Response = 2601 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.

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.

Result, ppbv = C_s x 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
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * 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).

$V_{ci} = 2.7 * Pl/14.696$

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)

Dec 22 2025, 09:59 am

Work Group: WG2155823 for Department: 3 GC/MS

Created: 18-DEC-25 Due: Operator: DJR

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2577500-01	AMB-1	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-02	IA-7	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-03	IA-11	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-05	IA-9	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-06	IA-203	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-07	IA-202	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-08	IA-201	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-09	IA-206	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-10	IA-205	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-11	IA-209	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-12	IA-207	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-13	IA-208	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2577889-01	EFF-01	S	TO15-LL	SOIL_VAPOR	DONE	U	0104	1222	S0	Can-2.7
WG2155823-1	MS BFB Tune Standard	S	TO15-LL	AIR	DONE	U				
WG2155823-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155823-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155823-2	Continuing Calibrati	S	TO15-LL	AIR	DONE	U				
WG2155823-3	Laboratory Control S	S	TO15-LL	AIR	DONE	U				
WG2155823-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155823-4	Laboratory Method Bl	S	TO15-LL	AIR	DONE	U				
WG2155823-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155823-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155823-5	Duplicate Sample	S	TO15-LL	AIR	DONE	U				

Comments:

WG2155823-5 L2577500-08

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 22 2025, 09:59 am

Work Group: WG2155905 for Department: 3 GC/MS

Created: 18-DEC-25 Due: Operator: BJB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2577500-14	STACK	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-15	SVP-10	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-16	SVP-11	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-17	SVP-103	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-18	SVP-206	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-19	SVP-205	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-20	SVP-209	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-21	SVP-207	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-22	SVP-208	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-23	SVP-202	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2577500-24	SVP-9	S	TO15-LL	SOIL_VAPOR	DONE	U	0102	1222	S0	Can-2.7
L2579709-01	SG-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0111	1219	S0	Can-2.7
L2579709-02	SG-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0111	1219	S0	Can-2.7
L2579770-05	EA01_121225	S	TO15-LL	SOIL_VAPOR	DONE	U	0111	1219	S0	Can-6
L2580592-01	VP_01	S	TO15-LL	SOIL_VAPOR	DONE	U	0116	1219	3B	Can-1
L2580592-02	VP_02	S	TO15-LL	SOIL_VAPOR	DONE	U	0116	1219	3B	Can-1
L2580592-03	VP_03	S	TO15-LL	SOIL_VAPOR	DONE	U	0116	1219	3B	Can-1
WG2155905-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155905-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155905-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155905-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2155905-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG2155905-5 L2580592-03

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Dec 22 2025, 09:59 am

Work Group: WG2156391 for Department: 3 GC/MS

Created: 19-DEC-25 Due: Operator: DJR

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2577500-04	IAQ-1	S	TO15-LL	AIR	DONE	U	0102	1222	S0	Can-6
L2579518-17	L41-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-18	L40-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-19	L40-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-20	L42-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-21	L42-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-22	L43-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-23	L43-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-24	L3-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-25	L5-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-26	L4-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-27	L3-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-28	L4-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-29	L5-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-30	L2-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-31	L2-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-32	L14-MP-2	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-33	L14-MP-2-DUP	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-34	L14-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
L2579518-35	L19-MP-1	S	TO15-LL	SOIL_VAPOR	DONE	U	0107	1222	S0	Can-2.7
WG2156391-1	MS BFB Tune Standard	S	TO15-LL	AIR	DONE	U				
WG2156391-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2156391-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2156391-2	Continuing Calibrati	S	TO15-LL	AIR	DONE	U				
WG2156391-3	Laboratory Control S	S	TO15-LL	AIR	DONE	U				
WG2156391-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2156391-4	Laboratory Method Bl	S	TO15-LL	AIR	DONE	U				
WG2156391-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2156391-5	Duplicate Sample	S	TO15-LL	AIR	DONE	U				
WG2156391-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG2156391-5 L2579518-35

Instrument ID: Airlab 17

Date: 11/05/25

Analyst Initials: APR

Internal Standard/Surrogate IDs: SS22-028/ SS21-026

Internal Standard/Surrogate Volume: 100 ml

Sequence File Name: 251105.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist
1	BA17110501	TO15_SFS.qgm	R1752216.qgd	250 mL		
1	BA17110502	TO15_SFS.qgm	R1752217.qgd	250 mL		
1	BA17110503	TO15_SFS.qgm	R1752218.qgd	250 mL		
1	TA17110501	TO15_SFS.qgm	R1752219.qgd	250 mL	TUNE	
9	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1752220.qgd	50 mL SS25-033D	SIM ONLY	DEF
9	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1752221.qgd	125 mL SS25-033D	SIM ONLY	DEF
9	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1752222.qgd	250 mL SS25-033D	SIM ONLY	DEF
10	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1752223.qgd	50 mL SS25-033C		DEF
10	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1752224.qgd	125 mL SS25-033C		DEF
10	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1752225.qgd	250 mL SS25-033C		DEF
11	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1752226.qgd	125 mL SS25-033B		DEF
11	ITO15-SIMSTD010	TO15_SFS.qgm	R1752227.qgd	250 mL SS25-033B		DEF
12	ITO15-SIMSTD020	TO15_SFS.qgm	R1752228.qgd	50 mL SS25-033A		DEF
12	ITO15-SIMSTD050	TO15_SFS.qgm	R1752229.qgd	125 mL SS25-033A		DEF
12	ITO15-LLSTD100	TO15_SFS.qgm	R1752230.qgd	250 mL SS25-033A	LL ONLY	DEF
1	BA17110501	TO15_SFS.qgm	R1752231.qgd	250 mL		

Check Pass?
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA

1	BA17110502	TO15_SFS.qgm	R1752232.qgd	250 mL		
2	CTO15-LLSTD10.0	TO15_SFS.qgm	R1752233.qgd	250 mL SS25-035A	LL ICV	DEF-ICV
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1752234.qgd	125 mL SS25-035A; propylene out low	DO NOT USE	
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1752235.qgd	125 mL SS25-035A;	SIM ICV	DEF-ICV

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


NA
NA
NA
NA

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB23

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 11/21/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR

Sequence File Name: 251121.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	BA23112101	TO15_SFS.M	R236977.D	250 mL			NA
1	BA23112102	TO15_SFS.M	R236978.D	250 mL			NA
1	BA23112103	TO15_SFS.M	R236979.D	250 mL			NA
1	TA23112101	TO15_SFS.M	R236980.D	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.M	R236981.D	SS25-037D 50 mL	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.M	R236982.D	SS25-037D 125 mL	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.M	R236983.D	SS25-037D 250 mL	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.M	R236984.D	SS25-037C 50 mL		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.M	R236985.D	SS25-037C 125 mL		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.M	R236986.D	SS25-037C 250 mL		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.M	R236987.D	SS25-037B 125 mL		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.M	R236988.D	SS25-037B 250 mL		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.M	R236989.D	SS25-037A 50 mL		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.M	R236990.D	SS25-037A 125 mL		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.M	R236991.D	SS25-037A 250 mL	LL ONLY	DEF	NA
1	BA23112101	TO15_SFS.M	R236992.D	250 mL			NA
1	BA23112102	TO15_SFS.M	R236993.D	250 mL			NA
2	CTO15-LLSTD010	TO15_SFS.M	R236994.D	SS25-035C 250 mL	LL ICV	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.M	R236995.D	SS25-035C 125 mL	SIM ICV	DEF-ICV	NA

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: AIRLAB15

Internal Standard/Surrogate IDs: SS22-029 / SS21-026

Date: 10/30/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: APR

Sequence File Name: 251030.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Check Pass ? Y/N
1	TA15103001	TO15_SFS.qgm	R1557443.qgd	250 mL			NA
1	TA15103002	TO15_SFS.qgm	R1557444.qgd	250 mL			NA
1	TA15103003	TO15_SFS.qgm	R1557445.qgd	250 mL			NA
1	TA15103001	TO15_SFS.qgm	R1557446.qgd	250 mL	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1557447.qgd	50 mL SS25-030D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1557448.qgd	125 mL SS25-030D	SIM ONLY	DEF	NA
5	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1557449.qgd	250 mL SS25-030D	SIM ONLY	DEF	NA
6	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1557450.qgd	50 mL SS25-030C		DEF	NA
6	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1557451.qgd	125 mL SS25-030C		DEF	NA
6	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1557452.qgd	250 mL SS25-030C		DEF	NA
7	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1557453.qgd	125 mL SS25-030B		DEF	NA
7	ITO15-SIMSTD010	TO15_SFS.qgm	R1557454.qgd	250 mL SS25-030B		DEF	NA
8	ITO15-SIMSTD020	TO15_SFS.qgm	R1557455.qgd	50 mL SS25-030A		DEF	NA
8	ITO15-SIMSTD050	TO15_SFS.qgm	R1557456.qgd	125 mL SS25-030A		DEF	NA
8	ITO15-LLSTD100	TO15_SFS.qgm	R1557457.qgd	250 mL SS25-030A	LL ONLY	DEF	NA
1	BA15103001	TO15_SFS.qgm	R1557458.qgd	250 mL			NA
1	BA15103002	TO15_SFS.qgm	R1557459.qgd	250 mL			NA
2	CTO15-LLSTD10.0	TO15_SFS.qgm	R1557460.qgd	250 mL SS25-032C	DO NOT USE		NA

2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1557461.qgd	125 mL SS25-032C	DO NOT USE		NA
2	CTO15-LLSTD10.0	TO15_SFS.qgm	R1557462.qgd	250 mL SS25-032C	LL ICV	DEF-ICV	NA
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1557463.qgd	125 mL SS25-032C	SIM ICV	DEF-ICV	NA

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Instrument ID: Airlab 17

Date: 12/18/25

Analyst Initials: DJR

Internal Standard/Surrogate IDs: SS22-028

Internal Standard/Surrogate Volume: 10

Sequence File Name: 251

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)
1	TA17121201	TO15_SFS.qgm	R1752979.qgd	250 mL	TUNE
2	APH-10 STD	TO15_SFS.qgm	R1752980.qgd	125 mL SS25-029B2	APH CC
3	CA17121201	TO15_SFS.qgm	R1752981.qgd	250mL SS25-033E	LL CC
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1752982.qgd	250 mL SS25-035A	LL LCS
4	TO15-SIM-STD5.0	TO15_SFS.qgm	R1752983.qgd	125 mL SS25-035A	SIM LCS
1	BA17121201	TO15_SFS.qgm	R1752984.qgd	250 mL	LL BLANK
1	BA17121202	TO15_SFS.qgm	R1752985.qgd	250 mL	SIM BLANK
2	L2577500-01,3,250,250	TO15_SFS.qgm	R1752986.qgd	WG2155820,ICAL22799	
3	L2577500-02,3,250,250	TO15_SFS.qgm	R1752987.qgd	WG2155820,ICAL22799	
4	L2577500-03,3,250,250	TO15_SFS.qgm	R1752988.qgd	WG2155820,ICAL22799	ACETONE OCAL
5	L2577500-04,3,250,250	TO15_SFS.qgm	R1752989.qgd	WG2155820,ICAL22799	ETOH,ACE, IPA, EA OCAL
6	L2577500-05,3,250,250	TO15_SFS.qgm	R1752990.qgd	WG2155820,ICAL22799	ETOH OCAL
7	L2577500-06,3,250,250	TO15_SFS.qgm	R1752991.qgd	WG2155820,ICAL22799	
8	L2577500-07,3,250,250	TO15_SFS.qgm	R1752992.qgd	WG2155820,ICAL22799	
9	L2577500-08,3,250,250	TO15_SFS.qgm	R1752993.qgd	WG2155820,ICAL22799	

/ SS21-026

0 ml

218.S

Product/ Sublist	Check Pass ?
	NA
	NA
	NA
NARRATE TBA AND VA OUT LOW (NO NJ). RISKING T13DCP	NA
NARRATE TBA AND VA OUT LOW	NA
	NA
	NA
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

9	L2577500-08DUP,3,250,250	TO15_SFS.qgm	R1752994.qgd	WG2155820,ICAL22799	(DUMMY) LL/SIM DUP
10	L2577500-09,3,250,250	TO15_SFS.qgm	R1752995.qgd	WG2155820,ICAL22799	
11	L2577500-10,3,250,250	TO15_SFS.qgm	R1752996.qgd	WG2155820,ICAL22799	
12	L2577500-11,3,250,250	TO15_SFS.qgm	R1752997.qgd	WG2155820,ICAL22799	
13	L2577500-12,3,250,250	TO15_SFS.qgm	R1752998.qgd	WG2155820,ICAL22799	
14	L2577500-13,3,250,250	TO15_SFS.qgm	R1752999.qgd	WG2155820,ICAL22799	
15	L2577836-01,3,250,250	TO15_SFS.qgm	R1753000.qgd	WG2155816,ICAL22798	
16	L2577836-02,3,250,250	TO15_SFS.qgm	R1753001.qgd	WG2155816,ICAL22798	
1	L2577836-03,3,250,250	TO15_SFS.qgm	R1753002.qgd	WG2155816,ICAL22798	
2	L2577836-04,3,250,250	TO15_SFS.qgm	R1753003.qgd	WG2155816,ICAL22798	
3	L2577836-05,3,250,250	TO15_SFS.qgm	R1753004.qgd	WG2155816,ICAL22798	
4	L2577889-01,3,250,250	TO15_SFS.qgm	R1753005.qgd	WG2155823,ICAL22798	
5	L2577811-01,3,250,250	TO15_SFS.qgm	R1753006.qgd	WG2155816,ICAL22798	TRANSFER
4	L2577500-03D,3,50,250	TO15_SFS.qgm	R1753007.qgd	WG2155820,ICAL22799	
5	L2577500-04D,3,15,250	TO15_SFS.qgm	R1753008.qgd	WG2155820,ICAL22799	ACETONE STILL OCAL
6	L2577500-05D,3,20,250	TO15_SFS.qgm	R1753009.qgd	WG2155820,ICAL22799	
5	L2577500-04D2,3,6.31,250	TO15_SFS.qgm	R1753010.qgd	WG2155820,ICAL22799	STILL OCAL

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 -7SIM	Y
NY + NAPH -7SIM	Y
NY + NAPH -7SIM	Y
MCP	Y
MCP	Y
MCP	Y
MCP	Y
MCP	Y
STD + NAPH	Y
MCP	Y
ACETONE	Y
ETOH,ACE,IPA,EA	Y
ETOH	Y
ACETONE	Y

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB23

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 12/18/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: BJB

Sequence File Name: 251218.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist	Leak Check Pass ? Y/N
1	TA23120601	TO15_SFS.M	R237330.D	250 mL	TUNE		NA
2	APH CC	TO15_SFS.M	R237331.D	SS25-034D 125 mL	APH CC		NA
3	CA23120601	TO15_SFS.M	R237332.D	SS25-033H 250 mL	LL CC		NA
4	CTO15-LLSTD010	TO15_SFS.M	R237333.D	SS25-039E 250 mL	LL LCS	NARRATE VA/ TBA OUT LOW	NA
4	CTO15-SIMSTD05	TO15_SFS.M	R237334.D	SS25-039E 125 mL	SIM LCS	NARRATE VA OUT LOW	NA
	PAUSE	TO15_SFS.M					NA
1	BA23120601	TO15_SFS.M	R237335.D	250 mL	LL BLANK		NA
1	BA23120602	TO15_SFS.M	R237336.D	250 mL	SIM BLANK		NA
2	L2579770-05,3,250,250	TO15_SFS.M	R237337.D	WG2155905,ICAL22840		NY+NAPH	Y
3	L2579709-01,3,250,250	TO15_SFS.M	R237338.D	WG2155905,ICAL22840		NY+NAPH	Y
4	L2579709-02,3,250,250	TO15_SFS.M	R237339.D	WG2155905,ICAL22840		NY+NAPH	Y
5	L2580592-01D,3,100.00,250	TO15_SFS.M	R237340.D	WG2155905,ICAL22840		PA	Y
6	L2580592-02D,3,100.00,250	TO15_SFS.M	R237341.D	WG2155905,ICAL22840		PA	Y
7	L2580592-03D,3,101.69,250	TO15_SFS.M	R237342.D	WG2155905,ICAL22840		PA	Y
7	L2580592-03DUPD,3,101.69,250	TO15_SFS.M	R237343.D	WG2155905,ICAL22840	LL DUP	PA	Y
8	L2577500-14D,3,16.25,250	TO15_SFS.M	R237344.D	WG2155905,ICAL22840	T	NY+NAPH	Y
9	L2577500-15,3,250,250	TO15_SFS.M	R237345.D	WG2155905,ICAL22840		NY+NAPH	Y
10	L2577500-16,3,250,250	TO15_SFS.M	R237346.D	WG2155905,ICAL22840		NY+NAPH	Y
11	L2577500-17D,3,0.22,250	TO15_SFS.M	R237347.D	WG2155905,ICAL22840	T	NY+NAPH	Y
12	L2577500-18D,3,45,250	TO15_SFS.M	R237348.D	WG2155905,ICAL22840	T	NY+NAPH	Y
13	L2577500-19,3,250,250	TO15_SFS.M	R237349.D	WG2155905,ICAL22840		NY+NAPH	Y

Alpha Analytical Air Lab
Instrument Run Log

14	L2577500-20,3,250,250	TO15_SFS.M	R237350.D	WG2155905,ICAL22840		NY+NAPH	Y
15	L2577500-21D,3,10.93,250	TO15_SFS.M	R237351.D	WG2155905,ICAL22840	T	NY+NAPH	Y
16	L2577500-22D,3,12.37,250	TO15_SFS.M	R237352.D	WG2155905,ICAL22840	OVERDILUTED	NY+NAPH	Y
1	L2577500-23,3,250,250	TO15_SFS.M	R237353.D	WG2155905,ICAL22840		NY+NAPH	Y
2	L2577500-24,3,250,250	TO15_SFS.M	R237354.D	WG2155905,ICAL22840		NY+NAPH	Y
16	L2577500-22D,3,19.80,250	TO15_SFS.M	R237355.D	WG2155905,ICAL22840	T	NY+NAPH	Y

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: AIRLAB15

Internal Standard/Surrogate IDs: SS22-029 / SS21-026

Date: 12/19/2025

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR

Sequence File Name: 251219.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ sublist
1	TA15120601	TO15_SFS.qgm	R1558356.qgd	250 mL	TUNE	
3	CA15120601	TO15_SFS.qgm	R1558357.qgd	250 mL SS25-037I 250mL	CC	
4	CTO15-LLSTD10.0	TO15_SFS.qgm	R1558358.qgd	250 mL SS25-039B 250mL	LL LCS	NARRATE VA OUT LOW. RISKING T13DCP
4	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1558359.qgd	125 mL SS25-039B 125mL	SIM LCS	NARRATE VA OUT LOW. RISKING T13DCP
1	BA15120601	TO15_SFS.qgm	R1558360.qgd	250 mL	LL BLANK	
1	BA15120602	TO15_SFS.qgm	R1558361.qgd	250 mL	SIM BLANK	
2	L2577500-04D2,3,0.79,250	TO15_SFS.qgm	R1558362.qgd	WG2156391,ICAL22781		ACETONE
3	L2579518-17,3,250,250	TO15_SFS.qgm	R1558363.qgd	WG2156391,ICAL22781		STD + NAPH
4	L2579518-18,3,250,250	TO15_SFS.qgm	R1558364.qgd	WG2156391,ICAL22781		STD + NAPH
5	L2579518-19,3,250,250	TO15_SFS.qgm	R1558365.qgd	WG2156391,ICAL22781		STD + NAPH
6	L2579518-20,3,250,250	TO15_SFS.qgm	R1558366.qgd	WG2156391,ICAL22781		STD + NAPH
7	L2579518-21,3,250,250	TO15_SFS.qgm	R1558367.qgd	WG2156391,ICAL22781		STD + NAPH
8	L2579518-22,3,250,250	TO15_SFS.qgm	R1558368.qgd	WG2156391,ICAL22781		STD + NAPH
9	L2579518-23,3,250,250	TO15_SFS.qgm	R1558369.qgd	WG2156391,ICAL22781		STD + NAPH
10	L2579518-24,3,250,250	TO15_SFS.qgm	R1558370.qgd	WG2156391,ICAL22781		STD + NAPH
11	L2579518-25,3,250,250	TO15_SFS.qgm	R1558371.qgd	WG2156391,ICAL22781		STD + NAPH
12	L2579518-26,3,250,250	TO15_SFS.qgm	R1558372.qgd	WG2156391,ICAL22781		STD + NAPH
13	L2579518-27,3,250,250	TO15_SFS.qgm	R1558373.qgd	WG2156391,ICAL22781		STD + NAPH

Check Pass? Y/N
NA
NA
NA
NA
NA
NA
Y
Y
Y
Y
Y
Y
Y
Y
Y
Y
Y
Y

14	L2579518-28,3,250,250	TO15_SFS.qgm	R1558374.qgd	WG2156391,ICAL22781		STD + NAPH
15	L2579518-29,3,250,250	TO15_SFS.qgm	R1558375.qgd	WG2156391,ICAL22781		STD + NAPH
16	L2579518-30,3,250,250	TO15_SFS.qgm	R1558376.qgd	WG2156391,ICAL22781		STD + NAPH
1	L2579518-31,3,250,250	TO15_SFS.qgm	R1558377.qgd	WG2156391,ICAL22781		STD + NAPH
2	L2579518-32,3,250,250	TO15_SFS.qgm	R1558378.qgd	WG2156391,ICAL22781		STD + NAPH
3	L2579518-33,3,250,250	TO15_SFS.qgm	R1558379.qgd	WG2156391,ICAL22781		STD + NAPH
4	L2579518-34,3,250,250	TO15_SFS.qgm	R1558380.qgd	WG2156391,ICAL22781		STD + NAPH
5	L2579518-35,3,250,250	TO15_SFS.qgm	R1558381.qgd	WG2156391,ICAL22781		STD + NAPH
5	END INJECTION	TO15_SFS.qgm	R1558382.qgd	WG2156391,ICAL22781		
5	L2579518-35DUP,3,250,250	TO15_SFS.qgm	R1558383.qgd	WG2156391,ICAL22781	LL DUP	STD + NAPH

Sample ID information: L1301234-01,3,250,250 { Lab sample ID, dept #, actual volume analyzed (mL), nominal volume analyzed (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Y
Y
Y
Y
Y
Y
Y
Y
NA
Y

Alpha Analytical, Inc.
Canister Dilution Worksheet

	NJDEP Required Information							Pressurization Dilution				Can Dilution				Instrument Dilution					
Sample ID	Can size, L	$P_{1,}$ in Hg	$P_{1,}$ atm	$V_{1,}$ L	$P_{2,}$ in Hg	$P_{2,}$ atm	$V_{2,}$ L	$P_{1,}$ psia	$P_{2,}$ psia	Dilution factor	Gas Used*	Volume injected, mL	Final Pressure, psia	Volume of Dilution Gas in Can, L	Can dilution factor	Volume of Bag or Can Analyzed, mL	Instrument Dilution Factor	Final Dilution Factor **	Final Volume Injected, mL ***	Analyst Initials	Barcode	SAMPLE ID SCANS
L2577500-14D	2.7	-1.98	0.93	2.52	30.27	2.01	5.43	13.7	29.5	2.15	N2	1000	14.7	1.00	1.00	35	7.14	15.38	16.25	BJB		I2577500-14a
L2577500-17D	2.7	-3.41	0.89	2.39	30.27	2.01	5.43	13.0	29.5	2.27	N2	10	29.4	2.00	200.41	100	2.50	1136.94	0.22	BJB		I2577500-17a
L2577500-21D	2.7	-3.61	0.88	2.37	30.27	2.01	5.43	12.9	29.5	2.29	N2	1000	14.7	1.00	1.00	25	10.00	22.87	10.93	BJB		I2577500-21a
L2577500-22D	2.7	-0.14	1.00	2.69	30.27	2.01	5.43	14.6	29.5	2.02	N2	1000	14.7	1.00	1.00	40	6.25	12.63	19.80	BJB		I2577500-22a
L2577500-04D	2.7	-4.63	0.85	2.28	30.27	2.01	5.43	12.4	29.5	2.38	N2	1000	14.7	1.00	1.00	15	16.67	39.65	6.31	KMH		I2577500-04a
L2577500-04D2	2.7	-4.63	0.85	2.28	30.27	2.01	5.43	12.4	29.5	2.38	N2	75	29.4	2.00	26.72	50	5.00	317.85	0.79	DJR		I2577500-04a

*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:

in Hg = ((psia/14.67)*29.94)-29.94 atm =psia/14.67 psig=psia - 14.67 psia = dilution instrument reading

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Lab Duplicate Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Client Sample ID	: IA-201	**Matrix (Level)**	: AIR (LOW)
Lab Sample ID	: L2577500-08	**Analysis Date**	: 12/18/25 22:04
Lab File ID	: R1752993_EV2	**DUP File ID**	: r1752994_Ev2
Dup Sample ID	: WG2155820-5	**DUP Analysis Date**	: 12/18/25 22:42

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	0.095	0.111	16	25
Trichloroethene	ND	ND	NC	25
Tetrachloroethene	0.215	0.230	7	25

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2155820-3	**Analysis Date** : 12/18/25 14:09	**File ID** : r1752983_Ev2
LCSD Sample ID	:	**Analysis Date** :	**File ID** :

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	5	3.77	75				-	70-130	25
1,1-Dichloroethene	5	3.88	78				-	70-130	25
cis-1,2-Dichloroethene	5	3.83	77				-	70-130	25
1,1,1-Trichloroethane	5	4.03	81				-	70-130	25
Carbon tetrachloride	5	4.77	95				-	70-130	25
Trichloroethene	5	4.22	84				-	70-130	25
Tetrachloroethene	5	4.47	89				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab Sample ID	: WG2155820-4	**Lab File ID**	: r1752985_Ev2
Instrument ID	: AIRLAB17		
Matrix	: AIR	**Analysis Date**	: 12/18/25 17:03

Client Sample No.	Lab Sample ID	Analysis Date
WG2155820-3LCS	WG2155820-3	12/18/25 14:09
AMB-1	L2577500-01	12/18/25 17:41
IA-7	L2577500-02	12/18/25 18:18
IA-11	L2577500-03	12/18/25 18:56
IAQ-1	L2577500-04	12/18/25 19:34
IA-9	L2577500-05	12/18/25 20:11
IA-203	L2577500-06	12/18/25 20:49
IA-202	L2577500-07	12/18/25 21:26
IA-201	L2577500-08	12/18/25 22:04
IA-201DUP	WG2155820-5	12/18/25 22:42
IA-206	L2577500-09	12/18/25 23:20
IA-205	L2577500-10	12/18/25 23:57
IA-209	L2577500-11	12/19/25 00:35
IA-207	L2577500-12	12/19/25 01:13
IA-208	L2577500-13	12/19/25 01:50

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 11/05/25 23:19
Tune Standard	: WG2138292-1	**Tune File ID**	: r1752219_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14
75	30.0 - 66.0% of mass 95	33.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (.7)1
174	50.0 - 120.0% of mass 95	59.4
175	4.0 - 9.0% of mass 174	4.3 (7.2)1
176	93.0 - 101% of mass 174	59 (99.4)1
177	5.0 - 9.0% of mass 176	3.9 (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	R2032940-1	R1752220_EV2	11/05/25 23:54
STD0.05	R2032940-2	R1752221_EV2	11/06/25 00:29
STD0.1	R2032940-3	R1752222_EV2	11/06/25 01:06
STD0.2	R2032940-4	R1752223_EV2	11/06/25 01:43
STD0.5	R2032940-5	R1752224_EV2	11/06/25 02:20
STD1.0	R2032940-6	R1752225_EV2	11/06/25 03:00
STD5.0	R2032940-7	R1752226_EV2	11/06/25 03:39
STD010	R2032940-8	R1752227_EV2	11/06/25 04:19
STD020	R2032940-9	R1752228_EV2	11/06/25 04:56
STD050	R2032940-10	R1752229_EV2	11/06/25 05:34
ICV QUANT	R2032940-11	R1752235_EV2	11/06/25 12:04

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

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 12/18/25 11:33
Tune Standard	: WG2155820-1	**Tune File ID**	: r1752979_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	17.7
75	30.0 - 66.0% of mass 95	41.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.4 (.6)1
174	50.0 - 120.0% of mass 95	64.5
175	4.0 - 9.0% of mass 174	4.4 (6.9)1
176	93.0 - 101% of mass 174	62.8 (97.4)1
177	5.0 - 9.0% of mass 176	4.1 (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
WG2155820-2CCAL	WG2155820-2	R1752983_EV2	12/18/25 14:09
WG2155820-3LCS	WG2155820-3	R1752983_EV2	12/18/25 14:09
WG2155820-4BLANK	WG2155820-4	R1752985_EV2	12/18/25 17:03
AMB-1	L2577500-01	R1752986_EV2	12/18/25 17:41
IA-7	L2577500-02	R1752987_EV2	12/18/25 18:18
IA-11	L2577500-03	R1752988_EV2	12/18/25 18:56
IAQ-1	L2577500-04	R1752989_EV2	12/18/25 19:34
IA-9	L2577500-05	R1752990_EV2	12/18/25 20:11
IA-203	L2577500-06	R1752991_EV2	12/18/25 20:49
IA-202	L2577500-07	R1752992_EV2	12/18/25 21:26
IA-201	L2577500-08	R1752993_EV2	12/18/25 22:04
WG2155820-5DUP	WG2155820-5	R1752994_EV2	12/18/25 22:42
IA-206	L2577500-09	R1752995_EV2	12/18/25 23:20
IA-205	L2577500-10	R1752996_EV2	12/18/25 23:57
IA-209	L2577500-11	R1752997_EV2	12/19/25 00:35
IA-207	L2577500-12	R1752998_EV2	12/19/25 01:13
IA-208	L2577500-13	R1752999_EV2	12/19/25 01:50

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Instrument ID	: AIRLAB17	**Analysis Date**	: 12/18/25 14:09:00
Sample No	: WG2155820-2	**Lab File ID**	: R1752983_EV2

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2155820-2	227226	8.77	688414	10.98	96640	15.75
Upper Limit	318116	9.10	963780	11.31	135296	16.08
Lower Limit	136336	8.44	413048	10.65	57984	15.42
Sample ID						
WG2155820-3 LCS	227226	8.77	688414	10.98	96640	15.75
WG2155820-4 BLANK	213404	8.77	607703	10.98	89681	15.75
AMB-1	213489	8.77	553956	10.98	83538	15.75
IA-7	192281	8.78	481000	10.99	72106	15.76
IA-11	208366	8.78	528003	10.99	76414	15.76
IAQ-1	197328	8.81	570526	11.01	79647	15.76
IA-9	182741	8.78	552670	10.99	85679	15.76
IA-203	208913	8.78	672364	11.00	98713	15.76
IA-202	192475	8.78	541156	11.00	84877	15.76
IA-201	198374	8.78	518335	11.00	77993	15.76
IA-201 DUP	193261	8.78	475078	11.00	72300	15.77
IA-206	200264	8.78	569464	11.00	85040	15.77
IA-205	210433	8.79	571707	11.00	86483	15.77
IA-209	207895	8.79	587128	11.01	91291	15.77
IA-207	207845	8.79	624488	11.01	100147	15.78
IA-208	203824	8.80	499090	11.02	75851	15.78

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

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

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
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Volatile Organics in Air by TO-15 SIM (AIR)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,1-Trichloroethane	71-55-6	0.02	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			
1,2,4-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-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			
2,2,4-Trimethylpentane	540-84-1	0.2	0.037	ppbV	70-130	25		25	25			
2-Hexanone	591-78-6	0.2	0.0354	ppbV	70-130	25		25	25			
3-Chloropropene	107-05-1	0.2	0.0327	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			
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			
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			
Dichlorodifluoromethane	75-71-8	0.2	0.0499	ppbV	70-130	25		25	25			
Ethyl Alcohol	GCDAI06	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			

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

Volatile Organics in Air by TO-15 SIM (AIR)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,1,2-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			
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			
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			
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	1	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			
sec-Butylbenzene	135-98-8	0.2	0.0266	ppbV	70-130	25		25	25			
Isopropylbenzene	98-82-8	0.2	0.0299	ppbV	70-130	25		25	25			
Xylene (Total)	1330-20-7	0.02	0.0087	ppbV				25	25			
p-Isopropyltoluene	99-87-6	0.2	0.0366	ppbV	70-130	25		25	25			
Acetone	67-64-1	1	0.539	ppbV	40-160	25		25	25			
2-Butanone	78-93-3	0.5	0.132	ppbV	70-130	25		25	25			
4-Methyl-2-pentanone	108-10-1	0.5	0.191	ppbV	70-130	25		25	25			
1,2,3-Trichlorobenzene	87-61-6	0.05	0.0223	ppbV	70-130	25		25	25			
Acrolein	107-02-8	0.05	0.0387	ppbV	60-113	25		25	25			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
Bromofluorobenzene	*460-00-4*									*70-130*		

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-01	**Date Collected**	: 12/03/25 16:59
Client ID	: AMB-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 17:41
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752986_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.079	0.020	--	0.497	0.126	--	
79-01-6	Trichloroethene	0.079	0.020	--	0.425	0.107	--	
127-18-4	Tetrachloroethene	1.68	0.020	--	11.4	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-02	**Date Collected**	: 12/03/25 16:16
Client ID	: IA-7	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 18:18
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752987_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.090	0.020	--	0.566	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.058	0.020	--	0.393	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-03	**Date Collected**	: 12/03/25 18:23
Client ID	: IA-11	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 18:56
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752988_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.081	0.020	--	0.510	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.113	0.020	--	0.766	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-04	**Date Collected**	: 12/03/25 18:26
Client ID	: IAQ-1	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 19:34
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752989_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.073	0.020	--	0.459	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.074	0.020	--	0.502	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-05	**Date Collected**	: 12/03/25 18:31
Client ID	: IA-9	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 20:11
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752990_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.068	0.020	--	0.428	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.066	0.020	--	0.448	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-06	**Date Collected**	: 12/03/25 17:34
Client ID	: IA-203	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 20:49
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752991_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.067	0.020	--	0.421	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.129	0.020	--	0.875	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-07	**Date Collected**	: 12/03/25 17:36
Client ID	: IA-202	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 21:26
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752992_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.093	0.020	--	0.585	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.175	0.020	--	1.19	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-08	**Date Collected**	: 12/03/25 17:38
Client ID	: IA-201	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 22:04
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752993_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.095	0.020	--	0.598	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.215	0.020	--	1.46	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-09	**Date Collected**	: 12/03/25 17:40
Client ID	: IA-206	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 23:20
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752995_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.096	0.020	--	0.604	0.126	--	
79-01-6	Trichloroethene	0.035	0.020	--	0.188	0.107	--	
127-18-4	Tetrachloroethene	0.168	0.020	--	1.14	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-10	**Date Collected**	: 12/03/25 17:48
Client ID	: IA-205	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/18/25 23:57
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752996_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.176	0.020	--	1.11	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.144	0.020	--	0.976	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-11	**Date Collected**	: 12/03/25 17:57
Client ID	: IA-209	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 00:35
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752997_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.091	0.020	--	0.572	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.164	0.020	--	1.11	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-12	**Date Collected**	: 12/03/25 18:04
Client ID	: IA-207	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 01:13
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752998_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.077	0.020	--	0.484	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.167	0.020	--	1.13	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: L2577500-13	**Date Collected**	: 12/03/25 18:10
Client ID	: IA-208	**Date Received**	: 12/05/25
Sample Location	: FAR ROCKAWAY, QUEENS, NY	**Date Analyzed**	: 12/19/25 01:50
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752999_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.097	0.020	--	0.610	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.206	0.020	--	1.40	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Stantec	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: WG2155820-4	**Date Collected**	: NA
Client ID	: WG2155820-4BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/18/25 17:03
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752985_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	**Lab Number**	: L2577500
Project Name	: BELLE HARBOR	**Project Number**	: 195601412
Lab ID	: WG2155820-5	**Date Collected**	: 12/03/25 17:38
Client ID	: IA-201DUP	**Date Received**	: 12/05/25
Sample Location	:	**Date Analyzed**	: 12/18/25 22:42
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TPH
Lab File ID	: R1752994_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
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	0.230	0.020	--	1.56	0.136	--	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752986_Ev2.D
Acq On : 18 Dec 2025 5:41 PM
Operator : AIRLAB17:TPH
Sample : L2577500-01,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:20 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

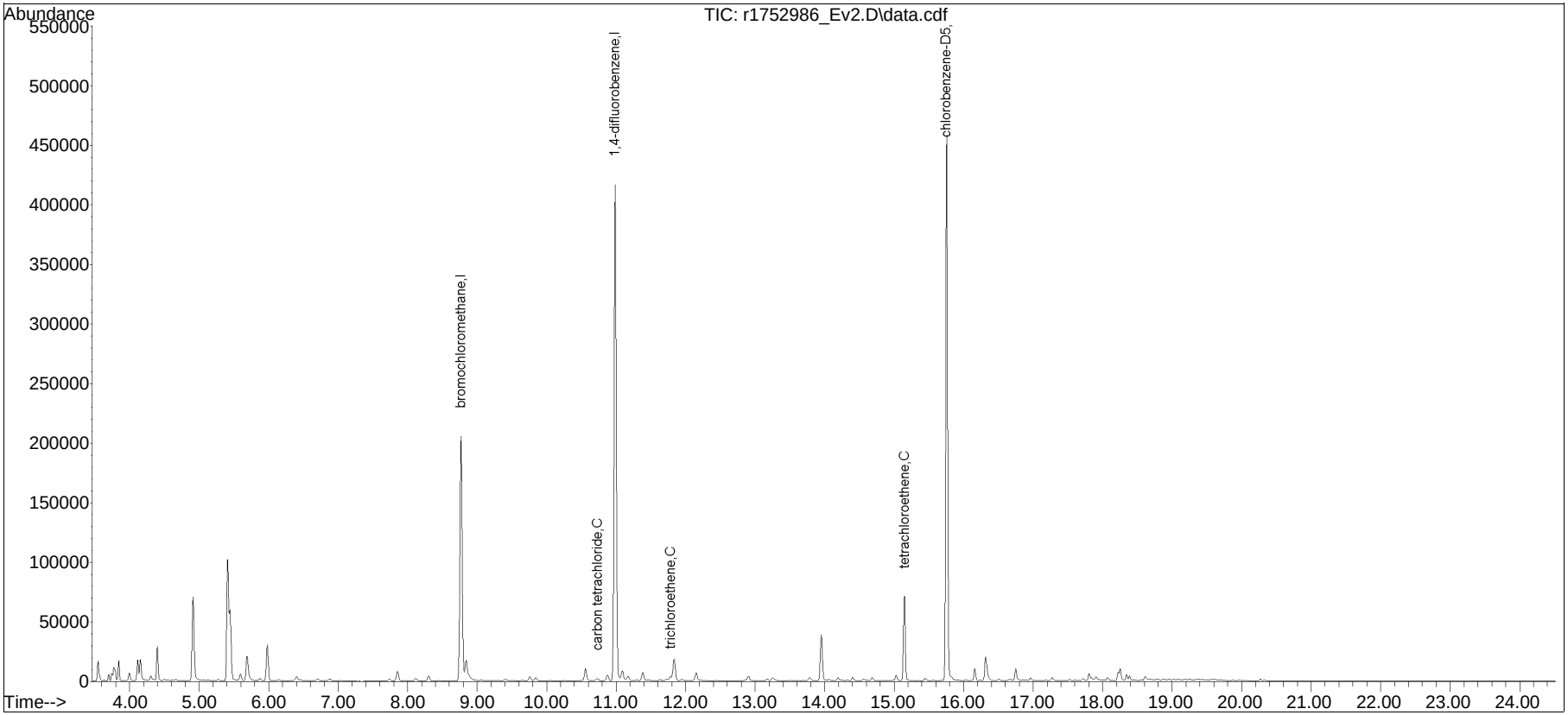
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.767	49	213489	10.000	ppbV	-0.08
Standard Area = 227226			Recovery =		93.95%	
33) 1,4-difluorobenzene	10.983	114	553956	10.000	ppbV	-0.07
Standard Area = 688414			Recovery =		80.47%	
51) chlorobenzene-D5	15.750	54	83538	10.000	ppbV	-0.05
Standard Area = 96640			Recovery =		86.44%	
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	10.730	117	1737	0.079	ppbV #	97
44) trichloroethene	11.783	130	1930	0.079	ppbV	90
57) tetrachloroethene	15.150	166	38756	1.682	ppbV	99

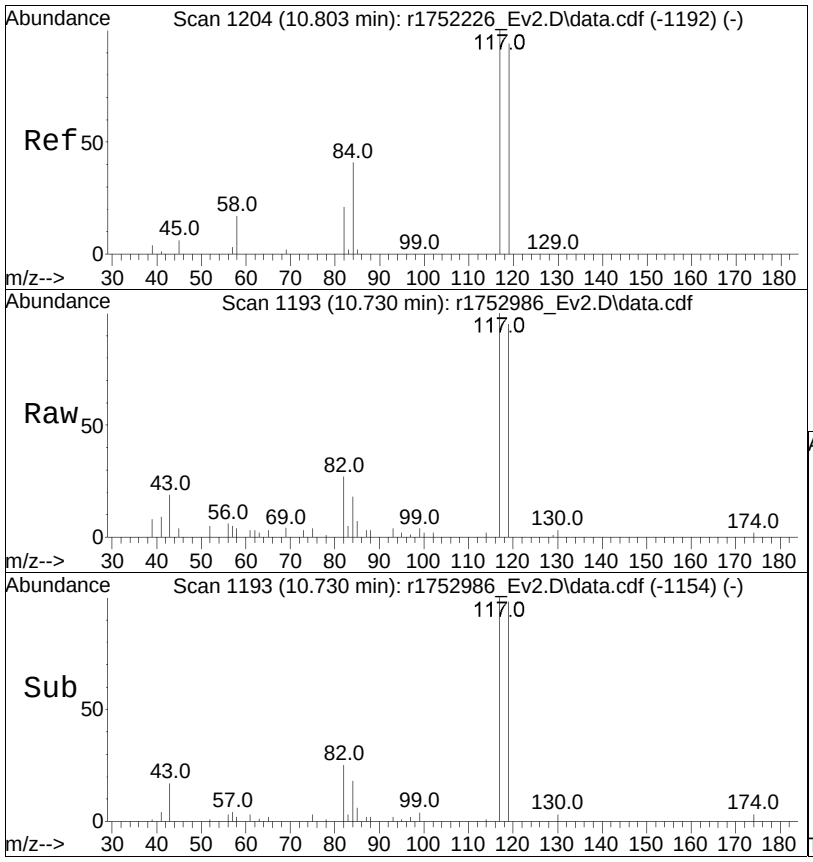
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752986_Ev2.D
Acq On : 18 Dec 2025 5:41 PM
Operator : AIRLAB17:TPH
Sample : L2577500-01,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:20 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

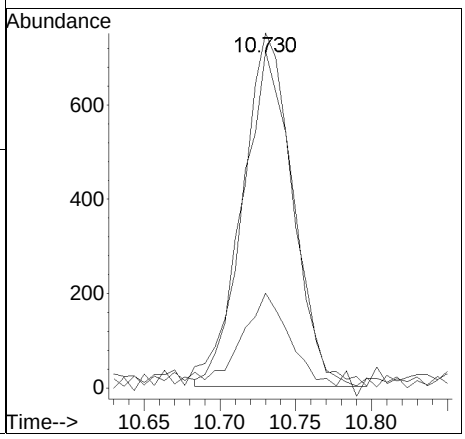


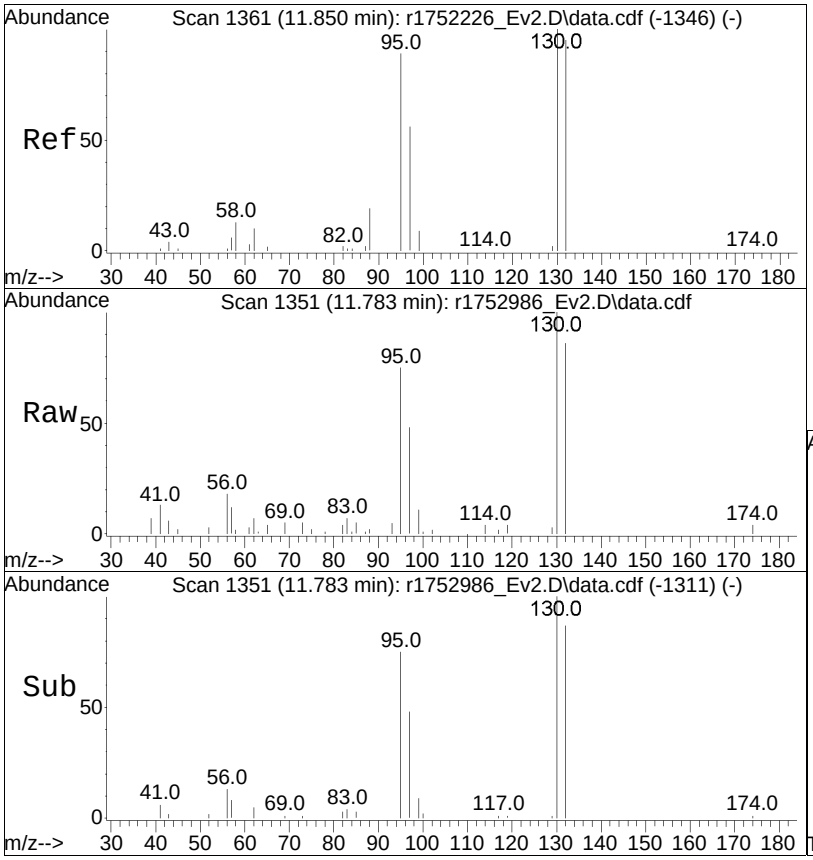


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.730 min Scan# 1193
Delta R.T. -0.073 min
Lab File: r1752986_Ev2.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:117 Resp: 1737

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.2	112.8
82	26.7	16.6	25.0#

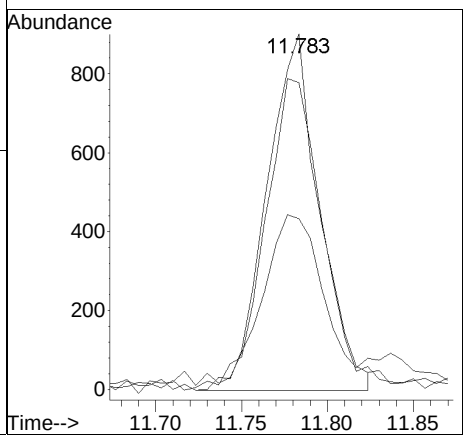


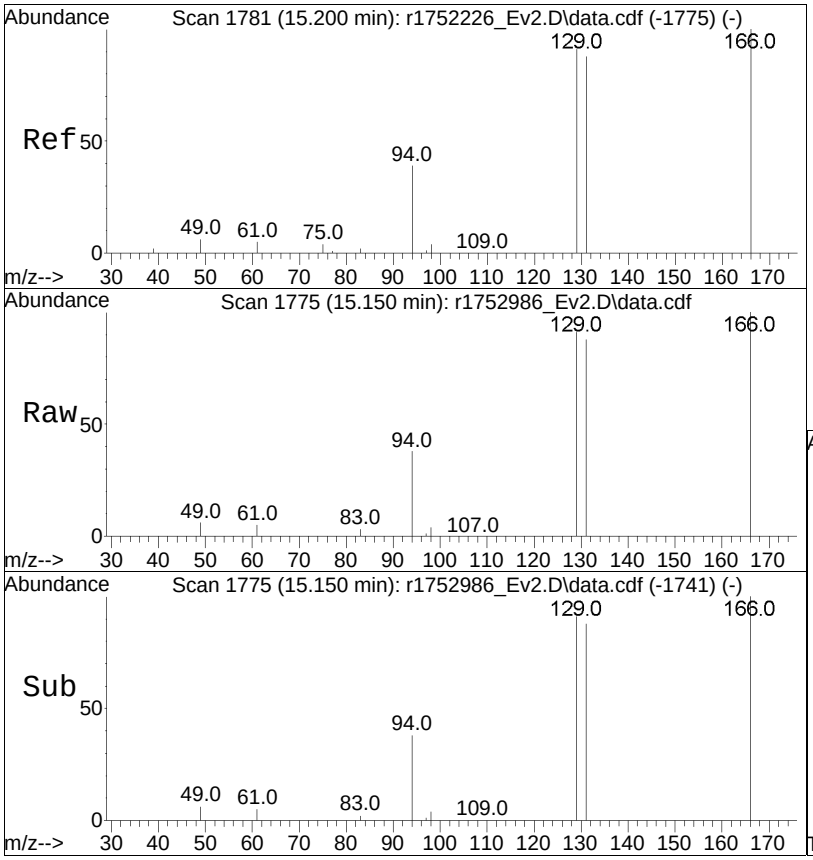


#44
trichloroethene
Concen: 0.08 ppbV
RT: 11.783 min Scan# 1351
Delta R.T. -0.067 min
Lab File: r1752986_Ev2.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:130 Resp: 1930

Ion	Ratio	Lower	Upper
130	100		
132	86.3	76.4	114.6
97	48.1	45.1	67.7

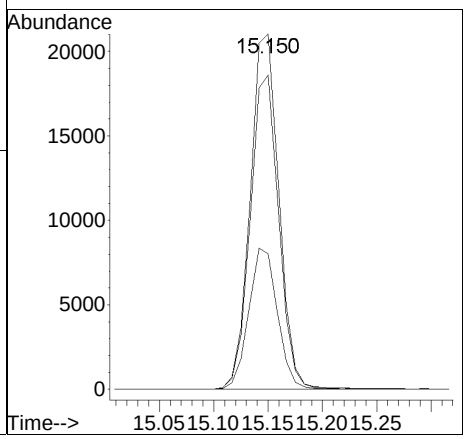




#57
tetrachloroethene
Concen: 1.68 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752986_Ev2.D
Acq: 18 Dec 2025 5:41 PM

Tgt Ion:166 Resp: 38756

Ion	Ratio	Lower	Upper
166	100		
131	88.5	70.6	105.8
94	38.2	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752986_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 5:41 PM	Instrument	:
Sample	: L2577500-01,3,250,250	Quant Date	: 12/19/2025 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752987_Ev2.D
Acq On : 18 Dec 2025 6:18 PM
Operator : AIRLAB17:TPH
Sample : L2577500-02,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

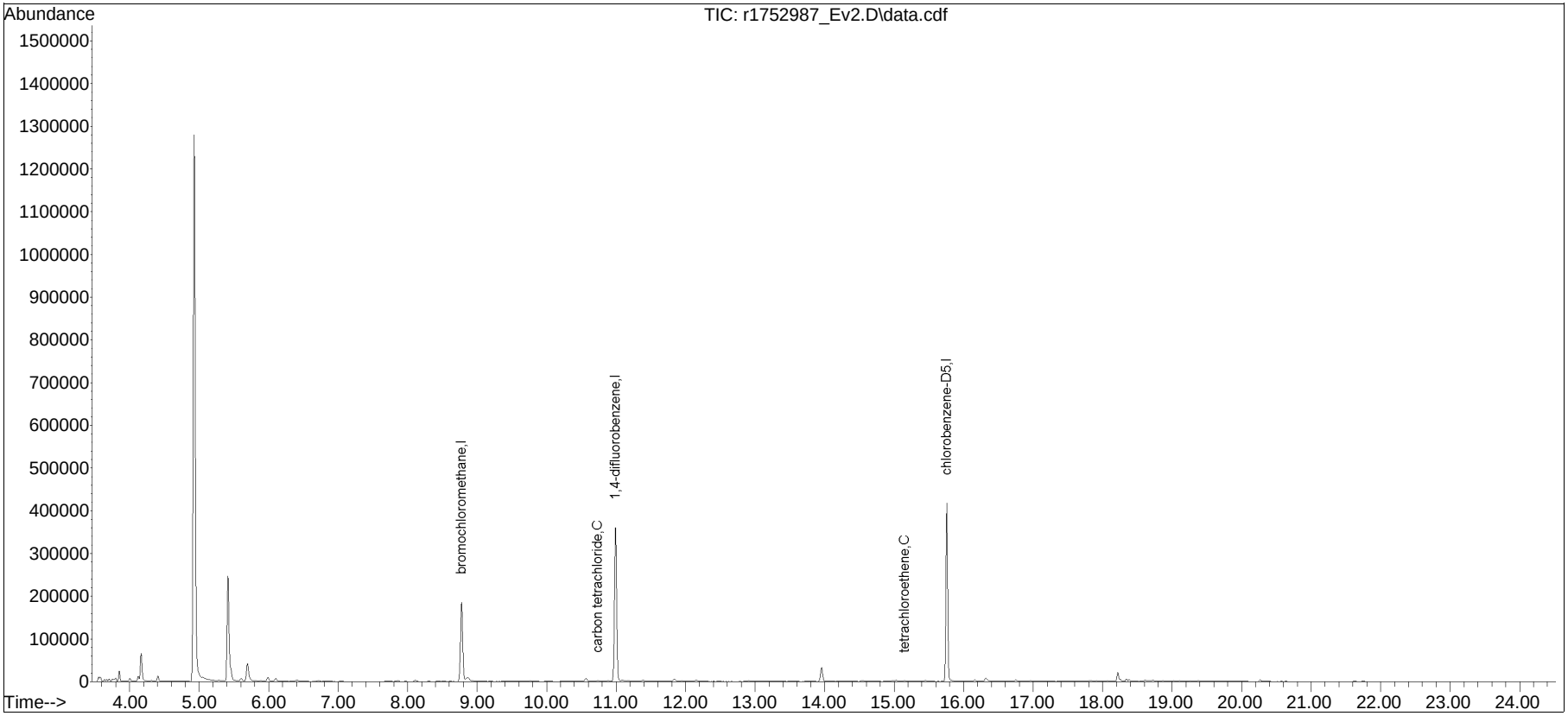
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	192281	10.000	ppbV	-0.07
Standard Area = 227226			Recovery = 84.62%			
33) 1,4-difluorobenzene	10.990	114	481000	10.000	ppbV	-0.06
Standard Area = 688414			Recovery = 69.87%			
51) chlorobenzene-D5	15.758	54	72106	10.000	ppbV	-0.04
Standard Area = 96640			Recovery = 74.61%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.222		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	10.737	117	1717	0.090	ppbV	96
44) trichloroethene	11.730		0	N.D.		
57) tetrachloroethene	15.150	166	1161	0.058	ppbV	96

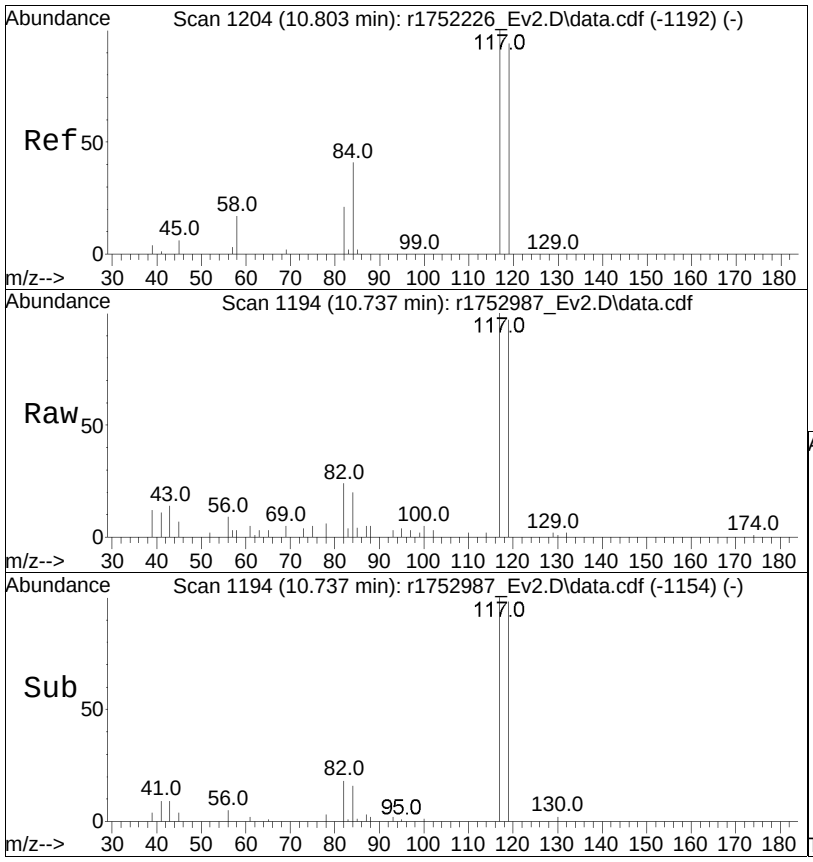
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752987_Ev2.D
Acq On : 18 Dec 2025 6:18 PM
Operator : AIRLAB17:TPH
Sample : L2577500-02,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:29 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

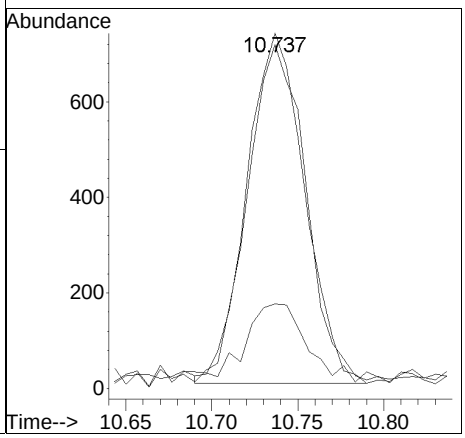


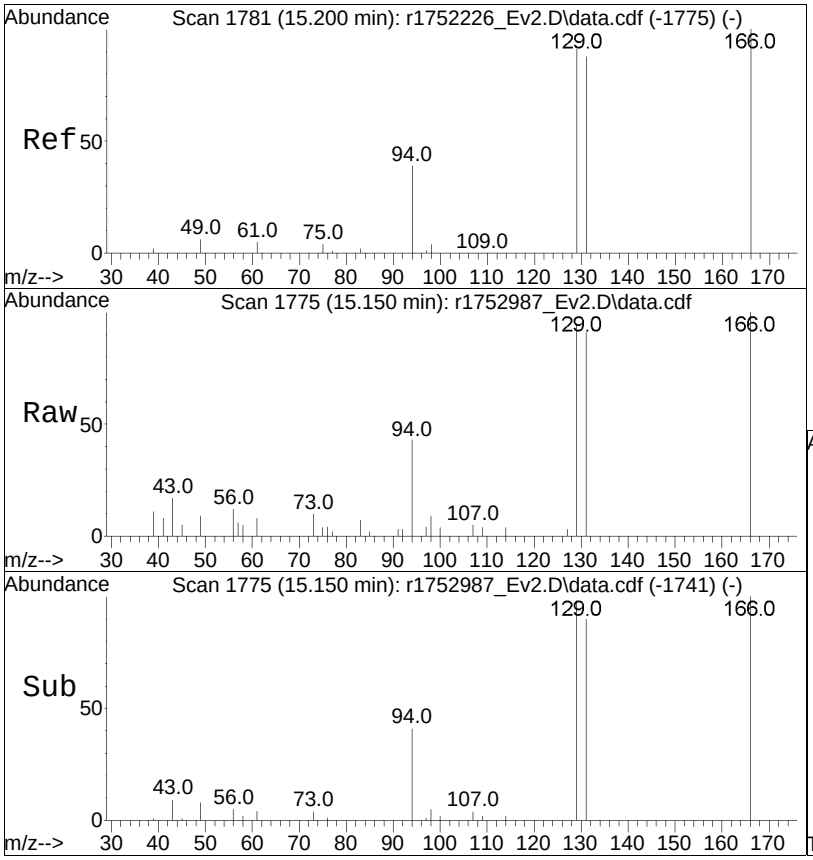


#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 10.737 min Scan# 1194
Delta R.T. -0.067 min
Lab File: r1752987_Ev2.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:117 Resp: 1717

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.2	112.8
82	23.8	16.6	25.0

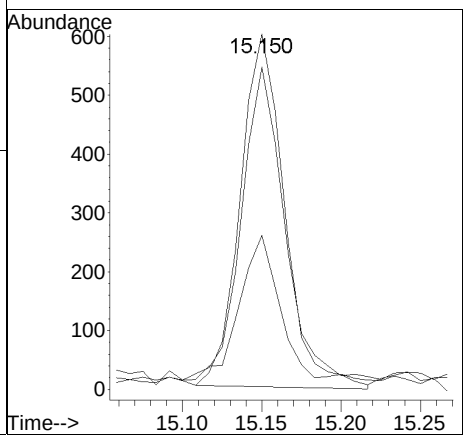




#57
tetrachloroethene
Concen: 0.06 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752987_Ev2.D
Acq: 18 Dec 2025 6:18 PM

Tgt Ion:166 Resp: 1161

Ion	Ratio	Lower	Upper
166	100		
131	90.7	70.6	105.8
94	43.4	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752987_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 6:18 PM	Instrument	:
Sample	: L2577500-02,3,250,250	Quant Date	: 12/19/2025 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752988_Ev2.D
Acq On : 18 Dec 2025 6:56 PM
Operator : AIRLAB17:TPH
Sample : L2577500-03,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

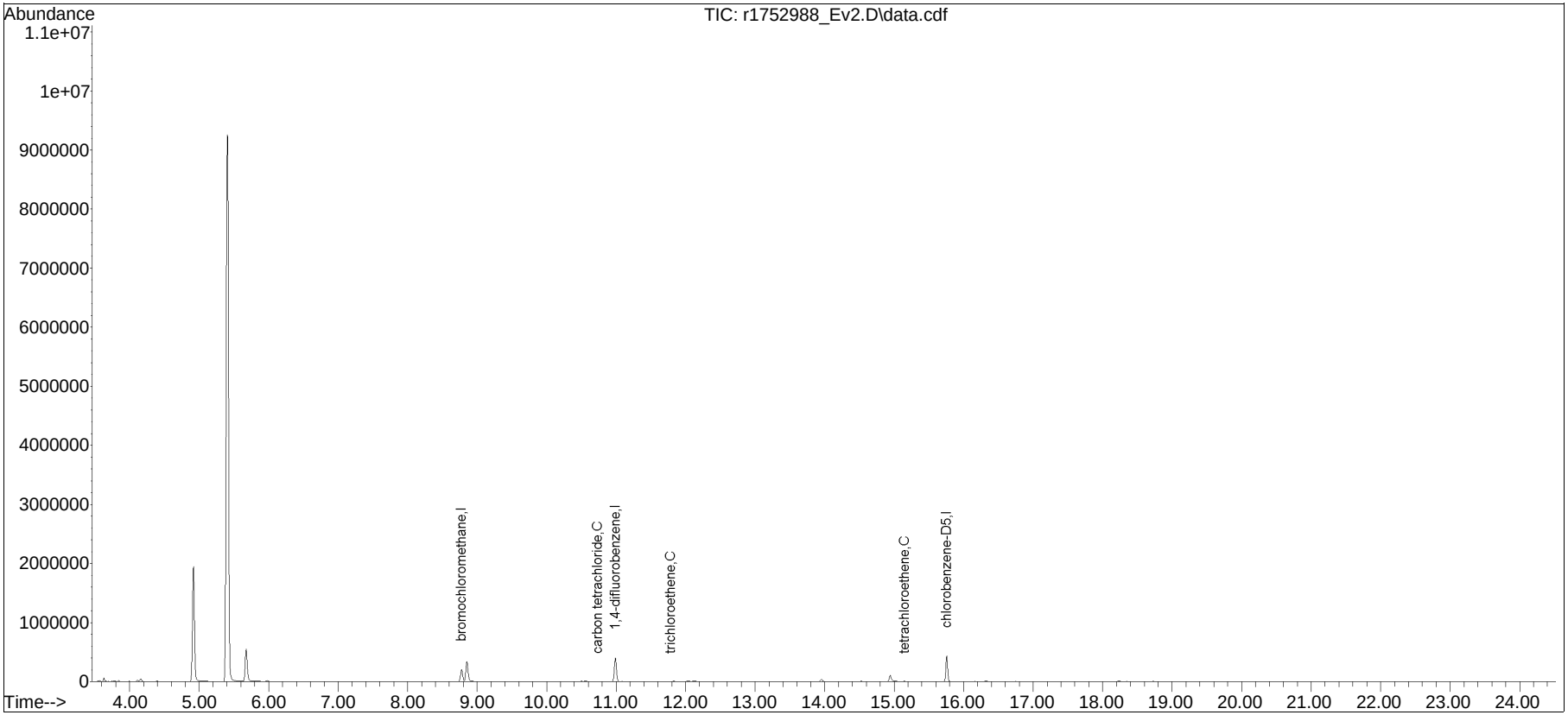
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	208366	10.000	ppbV	-0.07
Standard Area = 227226			Recovery =		91.70%	
33) 1,4-difluorobenzene	10.990	114	528003	10.000	ppbV	-0.06
Standard Area = 688414			Recovery =		76.70%	
51) chlorobenzene-D5	15.758	54	76414	10.000	ppbV	-0.04
Standard Area = 96640			Recovery =		79.07%	
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	10.108		0	N.D.		
38) carbon tetrachloride	10.737	117	1692	0.081	ppbV	95
44) trichloroethene	11.783	130	309	0.013	ppbV	89
57) tetrachloroethene	15.150	166	2383	0.113	ppbV	98

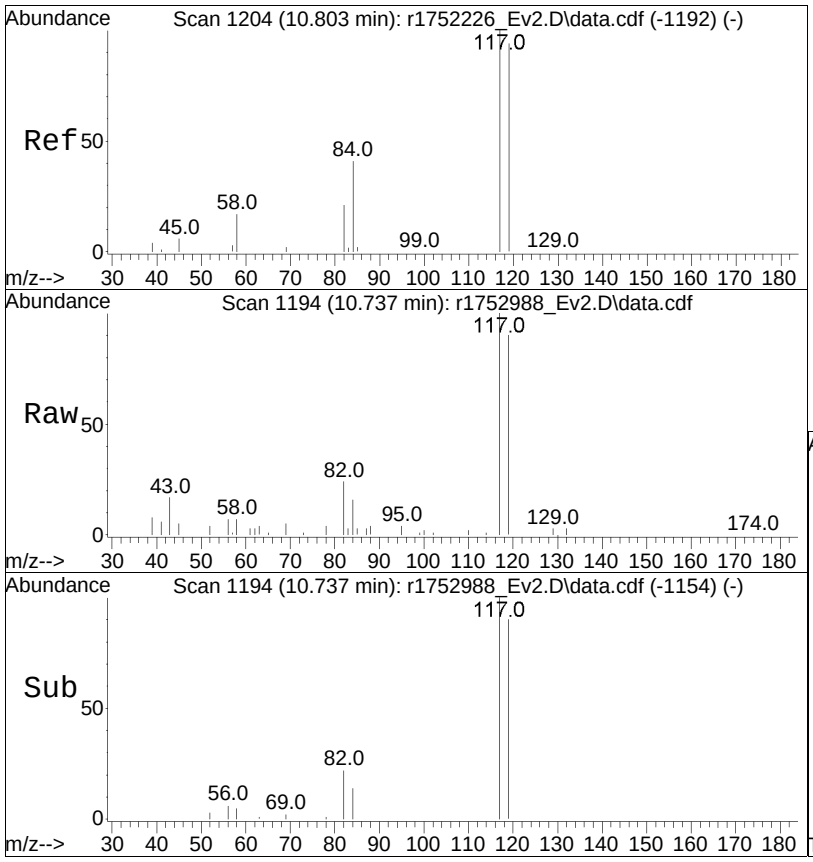
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752988_Ev2.D
Acq On : 18 Dec 2025 6:56 PM
Operator : AIRLAB17:TPH
Sample : L2577500-03,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:39 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

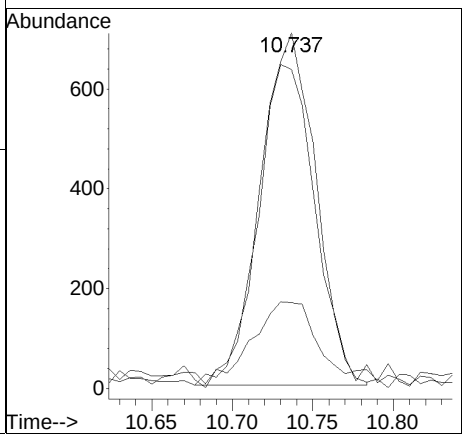


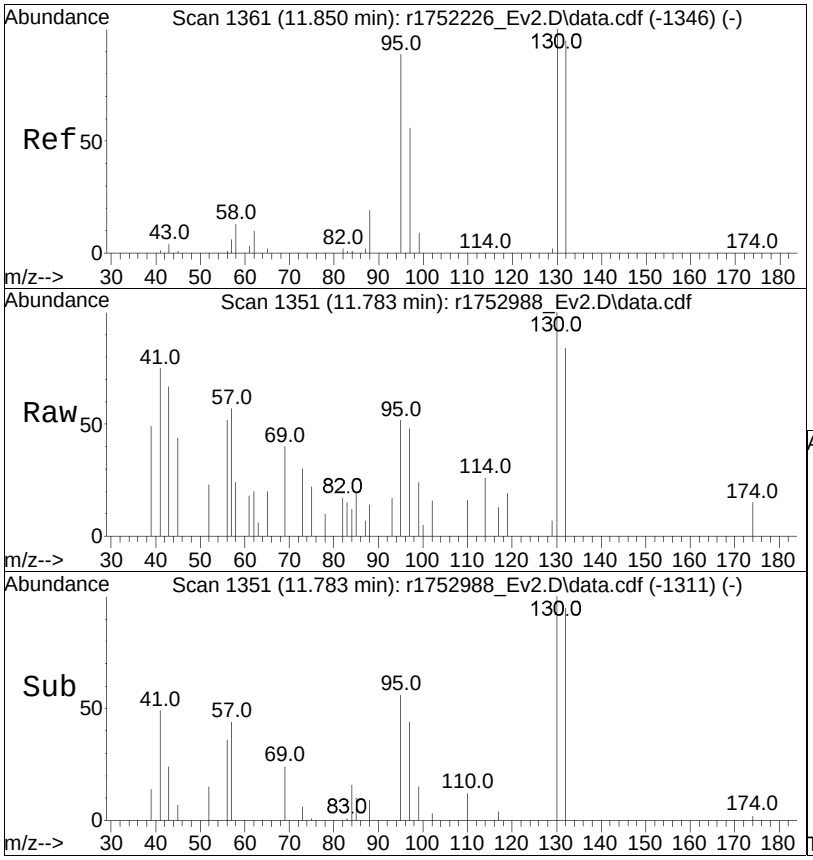


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.737 min Scan# 1194
Delta R.T. -0.067 min
Lab File: r1752988_Ev2.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:117 Resp: 1692

Ion	Ratio	Lower	Upper
117	100		
119	89.7	75.2	112.8
82	24.2	16.6	25.0

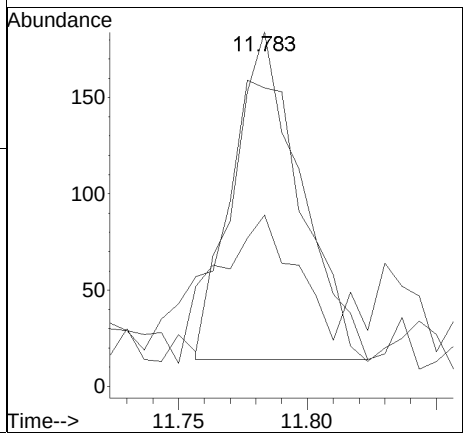


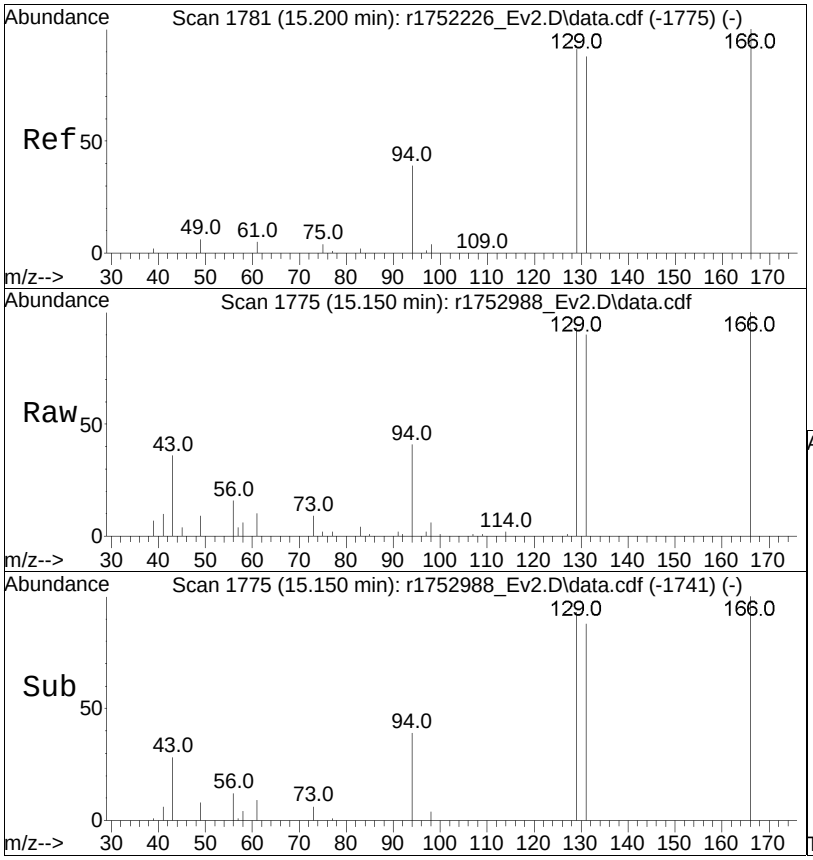


#44
trichloroethene
Concen: 0.01 ppbV
RT: 11.783 min Scan# 1351
Delta R.T. -0.067 min
Lab File: r1752988_Ev2.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:130 Resp: 309

Ion	Ratio	Lower	Upper
130	100		
132	84.2	76.4	114.6
97	48.4	45.1	67.7

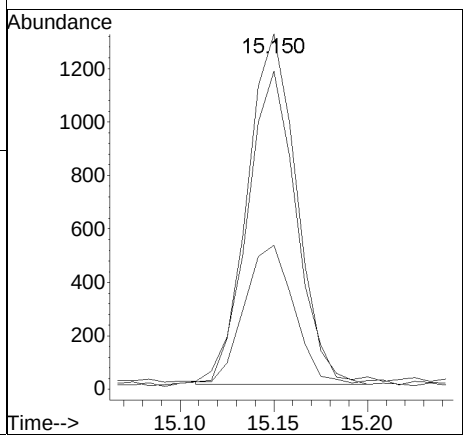




#57
tetrachloroethene
Concen: 0.11 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752988_Ev2.D
Acq: 18 Dec 2025 6:56 PM

Tgt Ion:166 Resp: 2383

Ion	Ratio	Lower	Upper
166	100		
131	89.5	70.6	105.8
94	40.6	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752988_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 6:56 PM	Instrument	:
Sample	: L2577500-03,3,250,250	Quant Date	: 12/19/2025 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752989_Ev2.D
Acq On : 18 Dec 2025 7:34 PM
Operator : AIRLAB17:TPH
Sample : L2577500-04,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

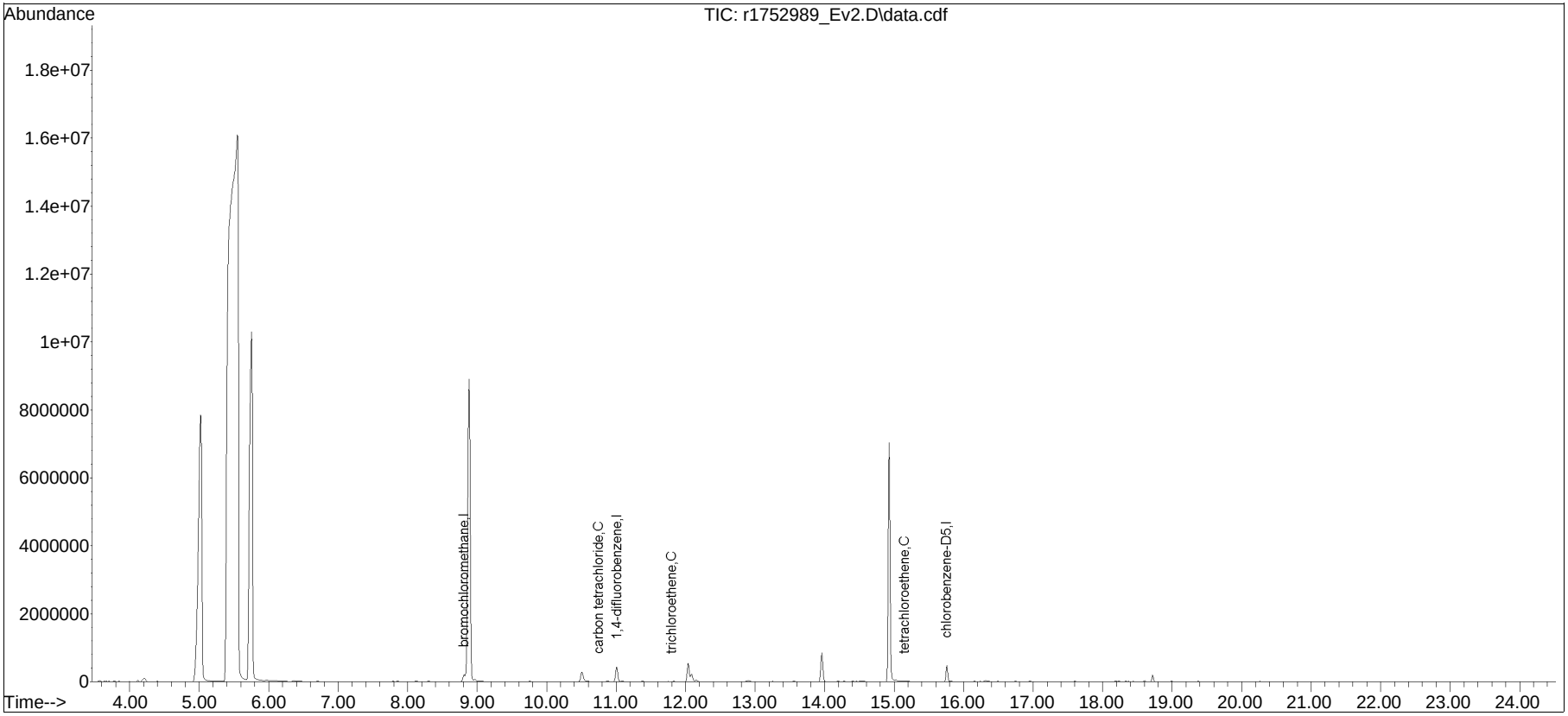
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	197328	10.000	ppbV	-0.03
Standard Area = 227226			Recovery =		86.84%	
33) 1,4-difluorobenzene	11.010	114	570526	10.000	ppbV	-0.04
Standard Area = 688414			Recovery =		82.88%	
51) chlorobenzene-D5	15.758	54	79647	10.000	ppbV	-0.04
Standard Area = 96640			Recovery =		82.42%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.366		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	10.750	117	1637	0.073	ppbV #	89
44) trichloroethene	11.797	130	260	0.010	ppbV #	87
57) tetrachloroethene	15.150	166	1624	0.074	ppbV	95

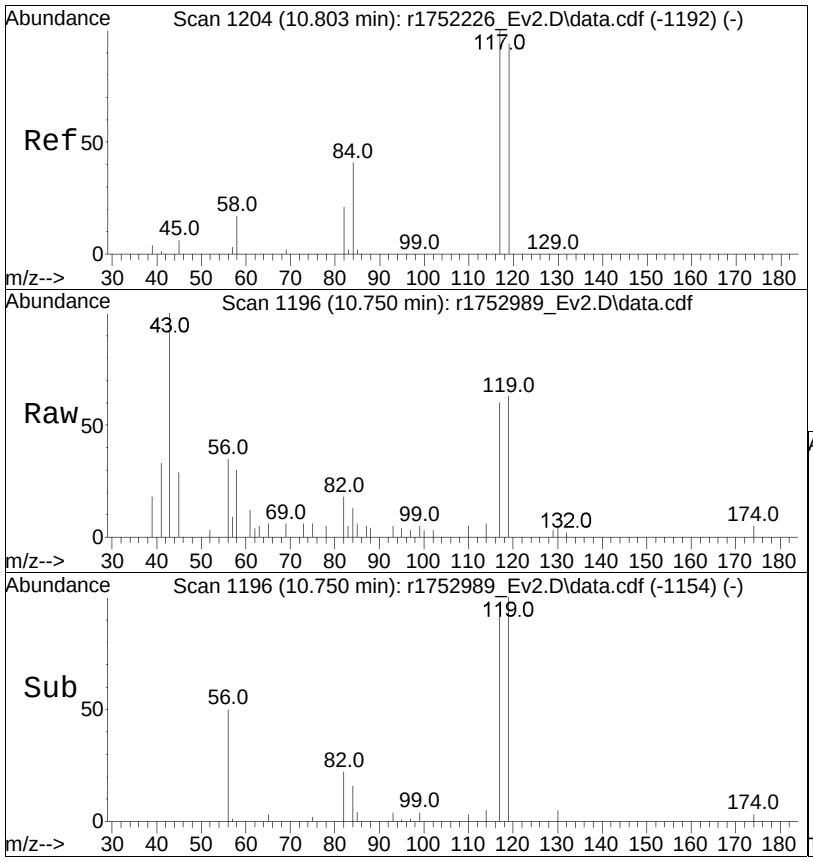
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752989_Ev2.D
Acq On : 18 Dec 2025 7:34 PM
Operator : AIRLAB17:TPH
Sample : L2577500-04,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

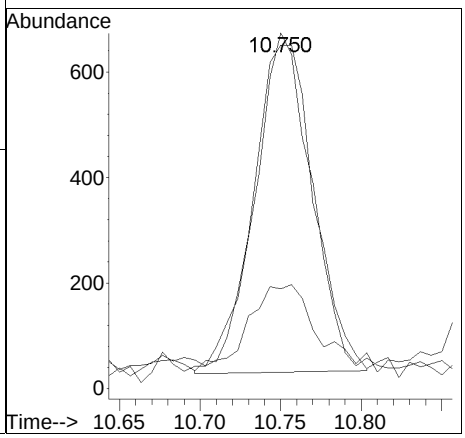


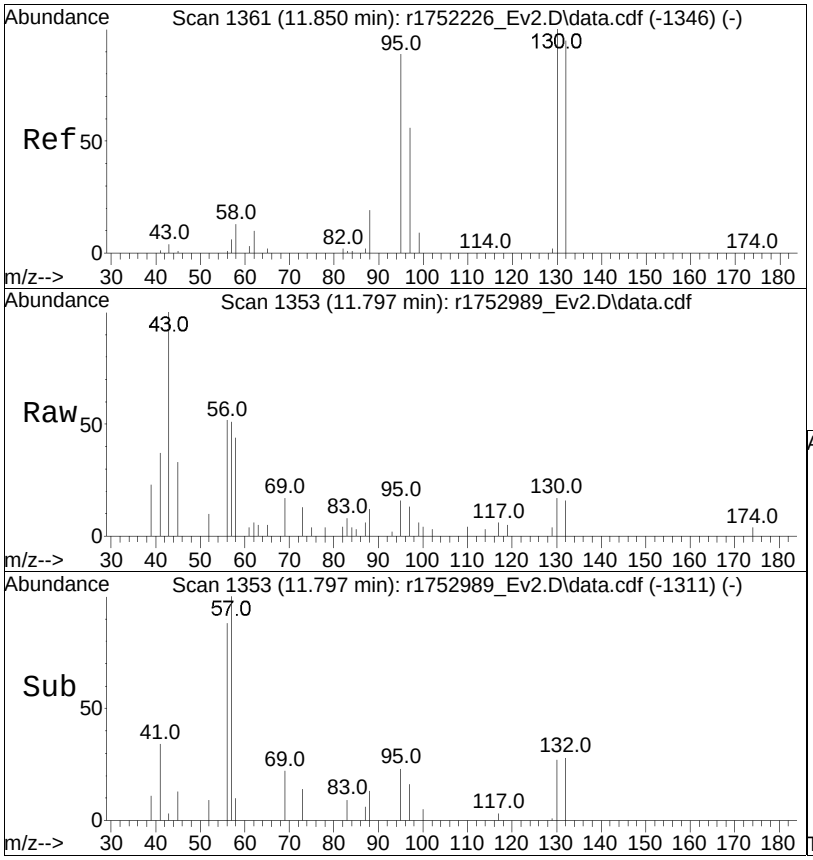


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 10.750 min Scan# 1196
Delta R.T. -0.053 min
Lab File: r1752989_Ev2.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:117 Resp: 1637

Ion	Ratio	Lower	Upper
117	100		
119	103.5	75.2	112.8
82	29.0	16.6	25.0#

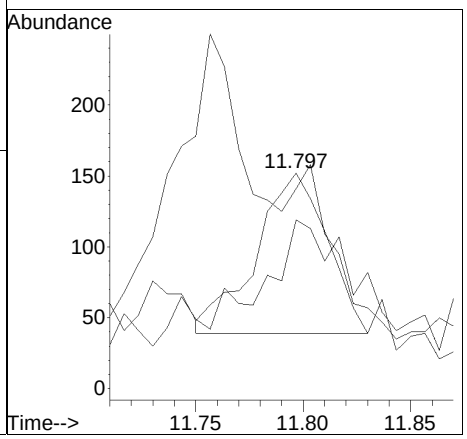


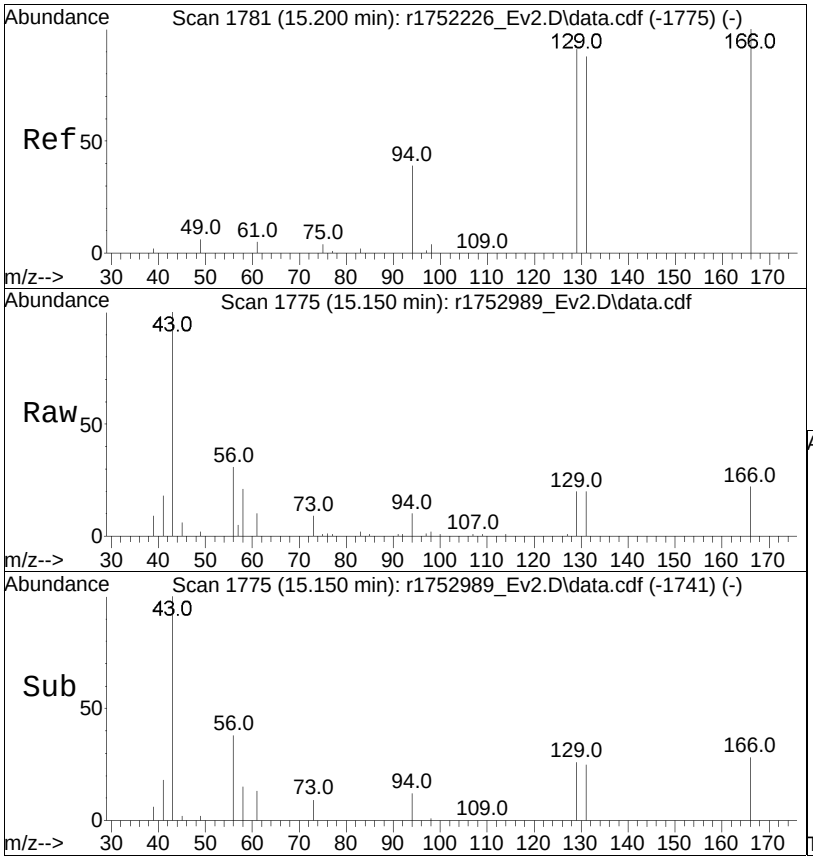


#44
trichloroethene
Concen: 0.01 ppbV
RT: 11.797 min Scan# 1353
Delta R.T. -0.053 min
Lab File: r1752989_Ev2.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:130 Resp: 260

Ion	Ratio	Lower	Upper
130	100		
132	92.8	76.4	114.6
97	78.3	45.1	67.7#

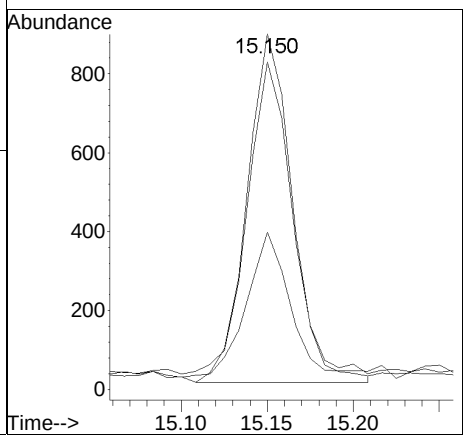




#57
tetrachloroethene
Concen: 0.07 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752989_Ev2.D
Acq: 18 Dec 2025 7:34 PM

Tgt Ion:166 Resp: 1624

Ion	Ratio	Lower	Upper
166	100		
131	92.1	70.6	105.8
94	44.3	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752989_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 7:34 PM	Instrument	:
Sample	: L2577500-04,3,250,250	Quant Date	: 12/19/2025 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752990_Ev2.D
Acq On : 18 Dec 2025 8:11 PM
Operator : AIRLAB17:TPH
Sample : L2577500-05,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

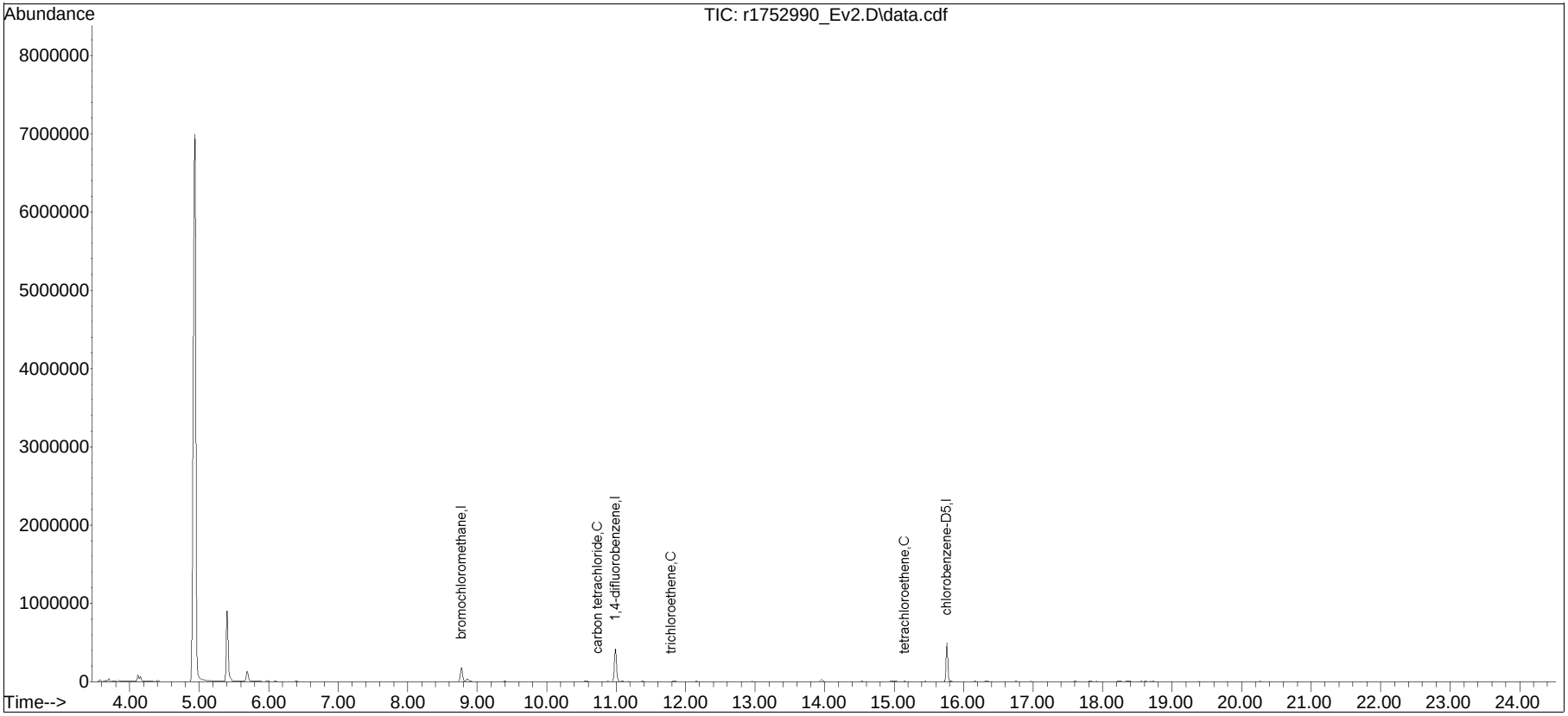
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	182741	10.000	ppbV	-0.07
Standard Area = 227226			Recovery =	80.42%		
33) 1,4-difluorobenzene	10.990	114	552670	10.000	ppbV	-0.06
Standard Area = 688414			Recovery =	80.28%		
51) chlorobenzene-D5	15.758	54	85679	10.000	ppbV	-0.04
Standard Area = 96640			Recovery =	88.66%		
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.216		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	10.737	117	1492	0.068	ppbV	91
44) trichloroethene	11.790	130	412	0.017	ppbV	91
57) tetrachloroethene	15.150	166	1560	0.066	ppbV	96

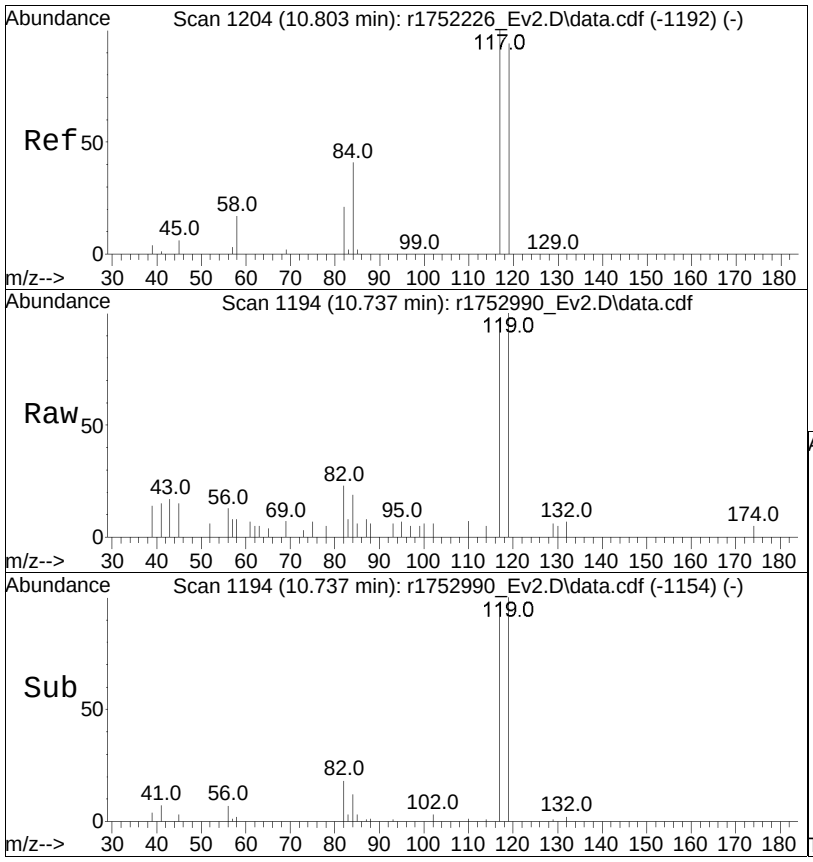
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752990_Ev2.D
Acq On : 18 Dec 2025 8:11 PM
Operator : AIRLAB17:TPH
Sample : L2577500-05,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:46:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

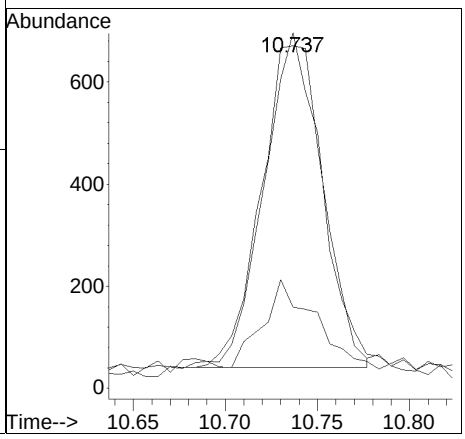


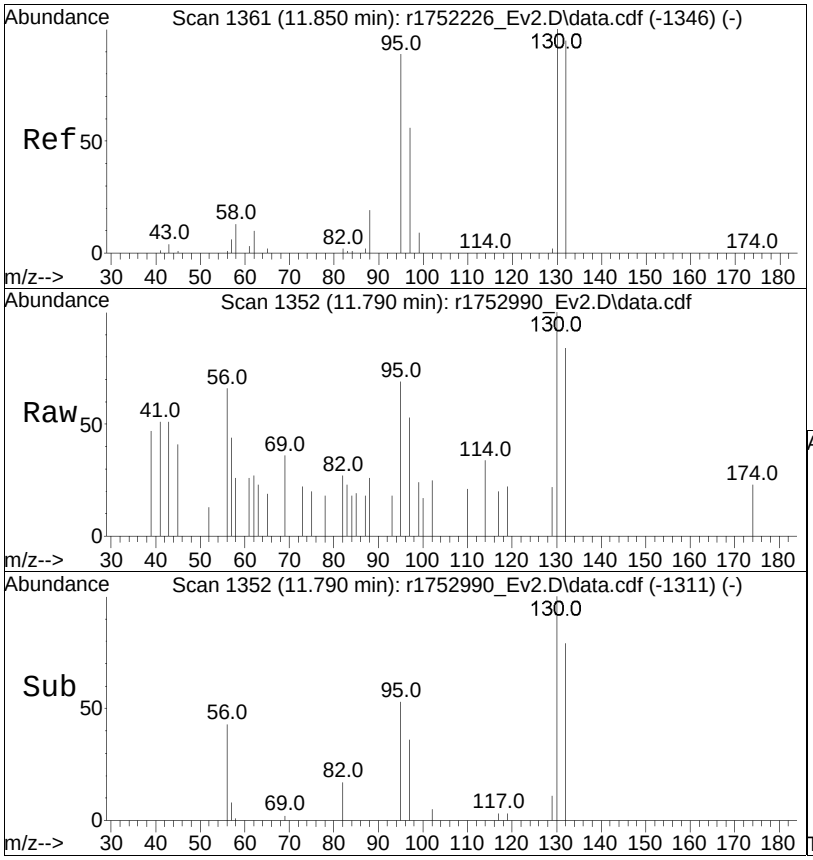


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 10.737 min Scan# 1194
Delta R.T. -0.067 min
Lab File: r1752990_Ev2.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:117 Resp: 1492

Ion	Ratio	Lower	Upper
117	100		
119	103.7	75.2	112.8
82	23.7	16.6	25.0

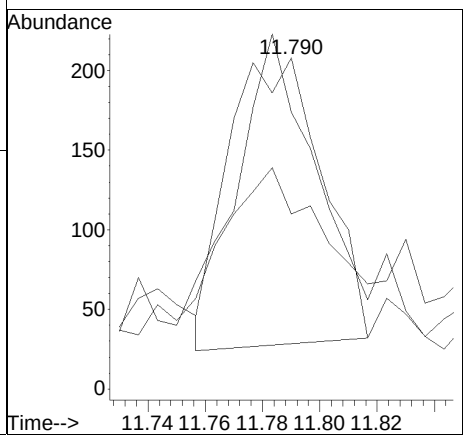


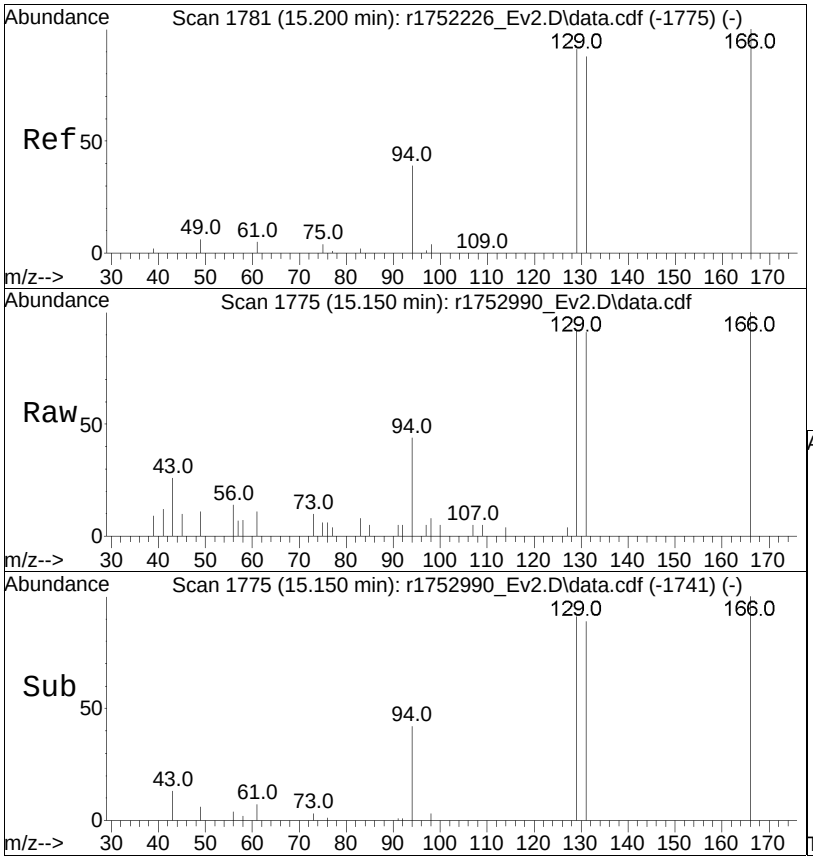


#44
trichloroethene
Concen: 0.02 ppbV
RT: 11.790 min Scan# 1352
Delta R.T. -0.060 min
Lab File: r1752990_Ev2.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:130 Resp: 412

Ion	Ratio	Lower	Upper
130	100		
132	83.7	76.4	114.6
97	52.9	45.1	67.7

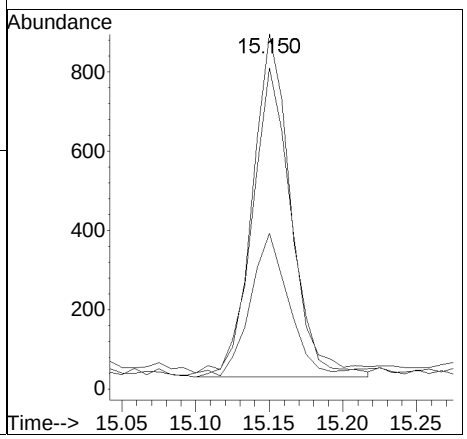




#57
tetrachloroethene
Concen: 0.07 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752990_Ev2.D
Acq: 18 Dec 2025 8:11 PM

Tgt Ion:166 Resp: 1560

Ion	Ratio	Lower	Upper
166	100		
131	90.5	70.6	105.8
94	43.9	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752990_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 8:11 PM	Instrument	:
Sample	: L2577500-05,3,250,250	Quant Date	: 12/19/2025 8:46 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752991_Ev2.D
Acq On : 18 Dec 2025 8:49 PM
Operator : AIRLAB17:TPH
Sample : L2577500-06,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

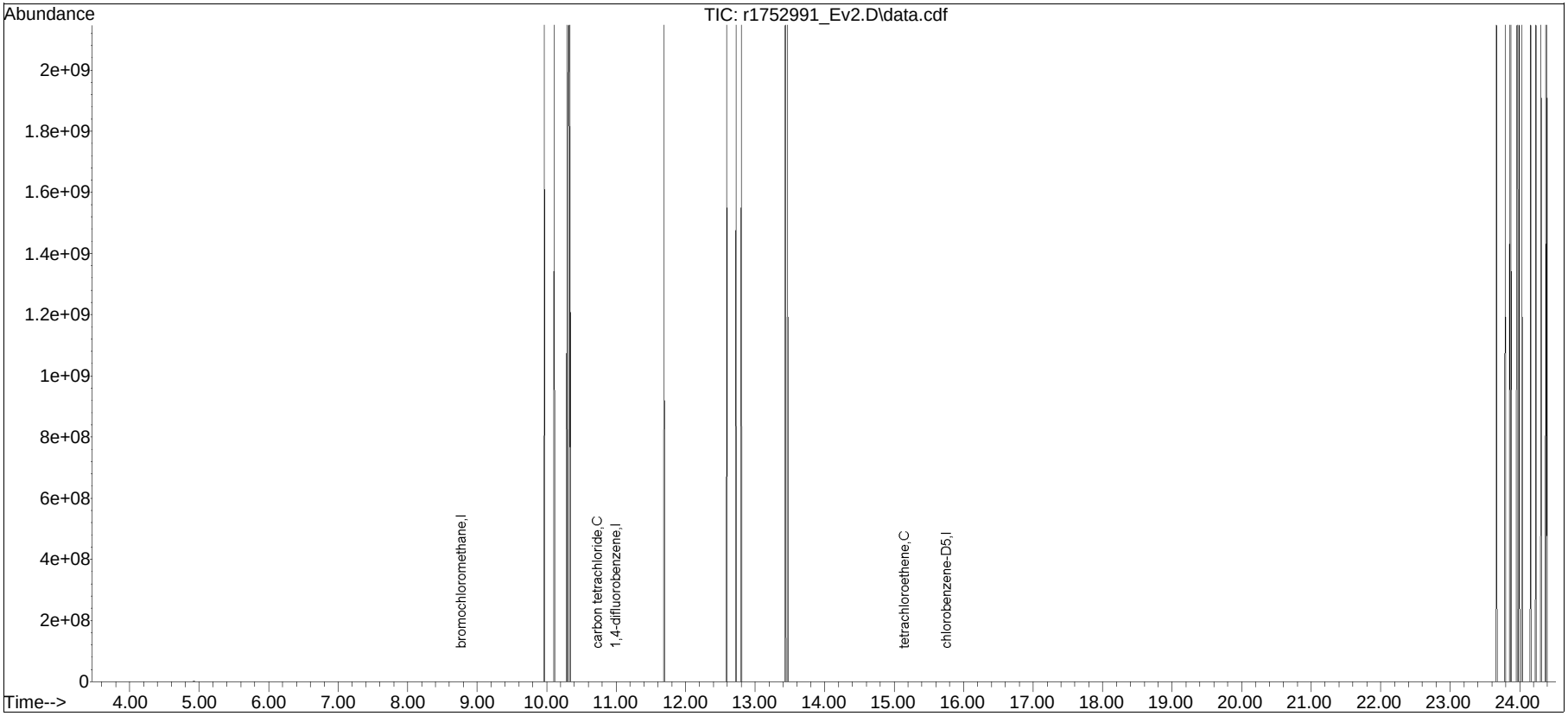
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	208913	10.000	ppbV	-0.07
Standard Area = 227226			Recovery = 91.94%			
33) 1,4-difluorobenzene	10.997	114	672364	10.000	ppbV	-0.05
Standard Area = 688414			Recovery = 97.67%			
51) chlorobenzene-D5	15.758	54	98713	10.000	ppbV	-0.04
Standard Area = 96640			Recovery = 102.15%			
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	10.737	117	1766	0.067	ppbV	91
44) trichloroethene	11.790		0	N.D.		
57) tetrachloroethene	15.150	166	3512	0.129	ppbV	98

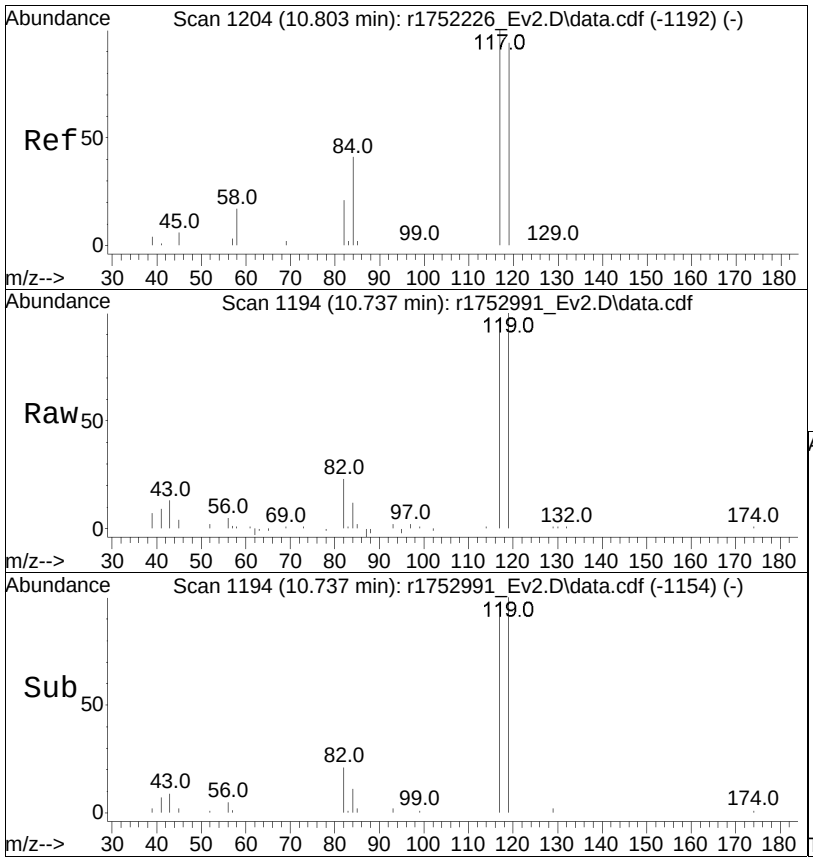
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752991_Ev2.D
Acq On : 18 Dec 2025 8:49 PM
Operator : AIRLAB17:TPH
Sample : L2577500-06,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

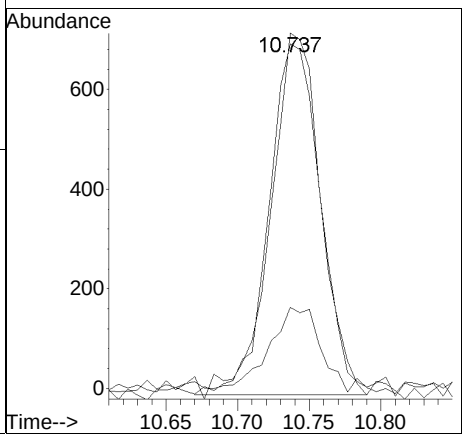


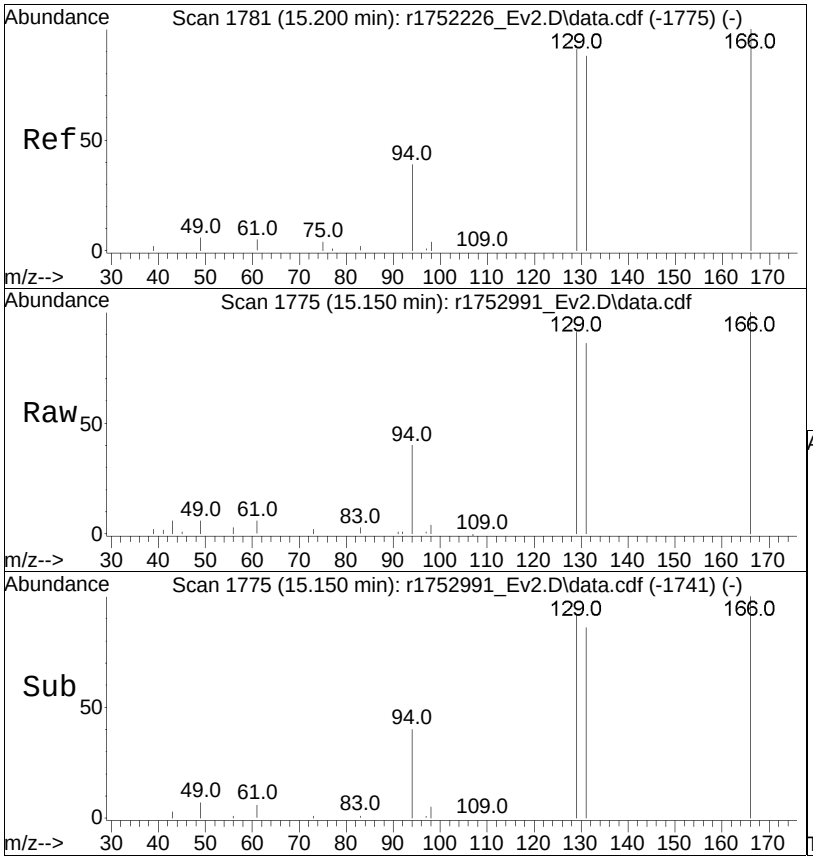


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 10.737 min Scan# 1194
Delta R.T. -0.067 min
Lab File: r1752991_Ev2.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion:117 Resp: 1766

Ion	Ratio	Lower	Upper
117	100		
119	103.2	75.2	112.8
82	23.6	16.6	25.0

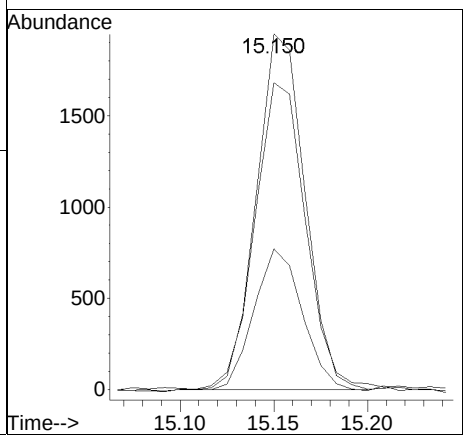




#57
tetrachloroethene
Concen: 0.13 ppbV
RT: 15.150 min Scan# 1775
Delta R.T. -0.050 min
Lab File: r1752991_Ev2.D
Acq: 18 Dec 2025 8:49 PM

Tgt Ion:166 Resp: 3512

Ion	Ratio	Lower	Upper
166	100		
131	86.3	70.6	105.8
94	39.6	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752991_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 8:49 PM	Instrument	:
Sample	: L2577500-06,3,250,250	Quant Date	: 12/19/2025 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752992_Ev2.D
Acq On : 18 Dec 2025 9:26 PM
Operator : AIRLAB17:TPH
Sample : L2577500-07,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:19 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

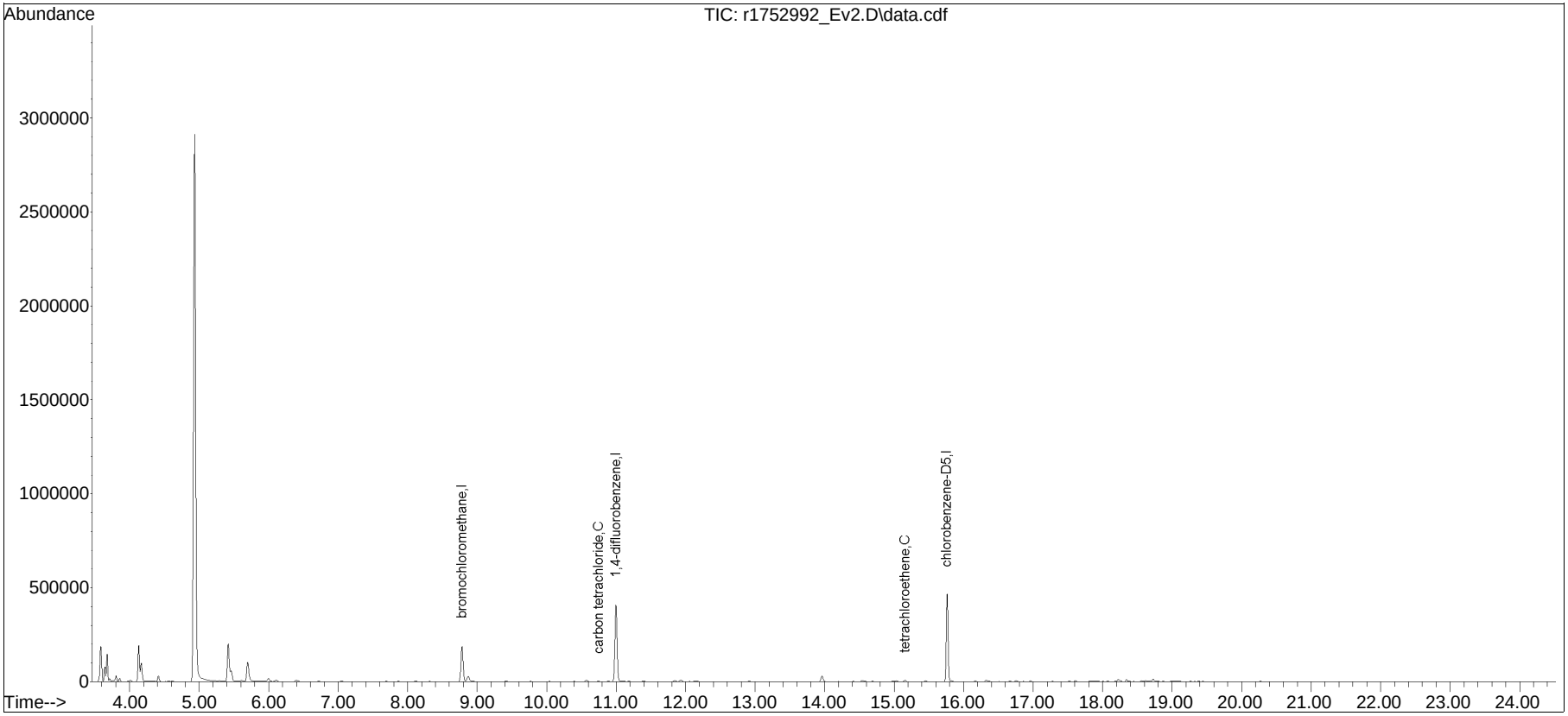
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	192475	10.000	ppbV	-0.06
Standard Area = 227226			Recovery =		84.71%	
33) 1,4-difluorobenzene	10.997	114	541156	10.000	ppbV	-0.05
Standard Area = 688414			Recovery =		78.61%	
51) chlorobenzene-D5	15.758	54	84877	10.000	ppbV	-0.04
Standard Area = 96640			Recovery =		87.83%	
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	10.750	117	1989	0.093	ppbV #	95
44) trichloroethene	11.790		0	N.D.		
57) tetrachloroethene	15.158	166	4100	0.175	ppbV	99

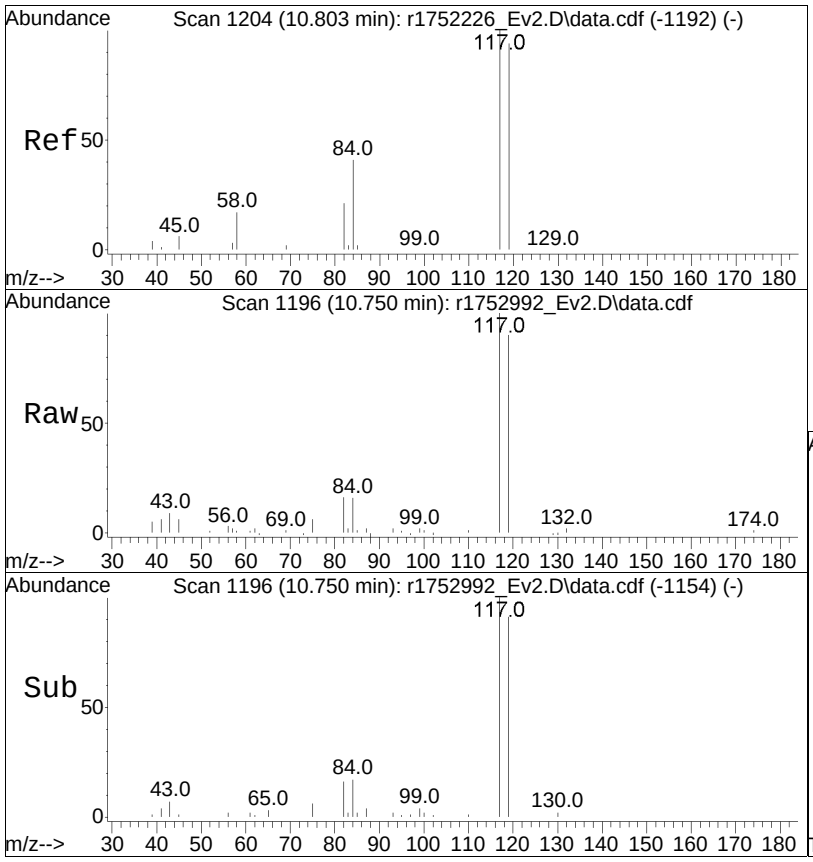
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752992_Ev2.D
Acq On : 18 Dec 2025 9:26 PM
Operator : AIRLAB17:TPH
Sample : L2577500-07,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:19 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

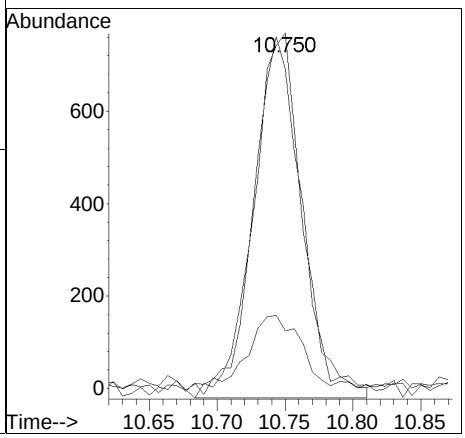


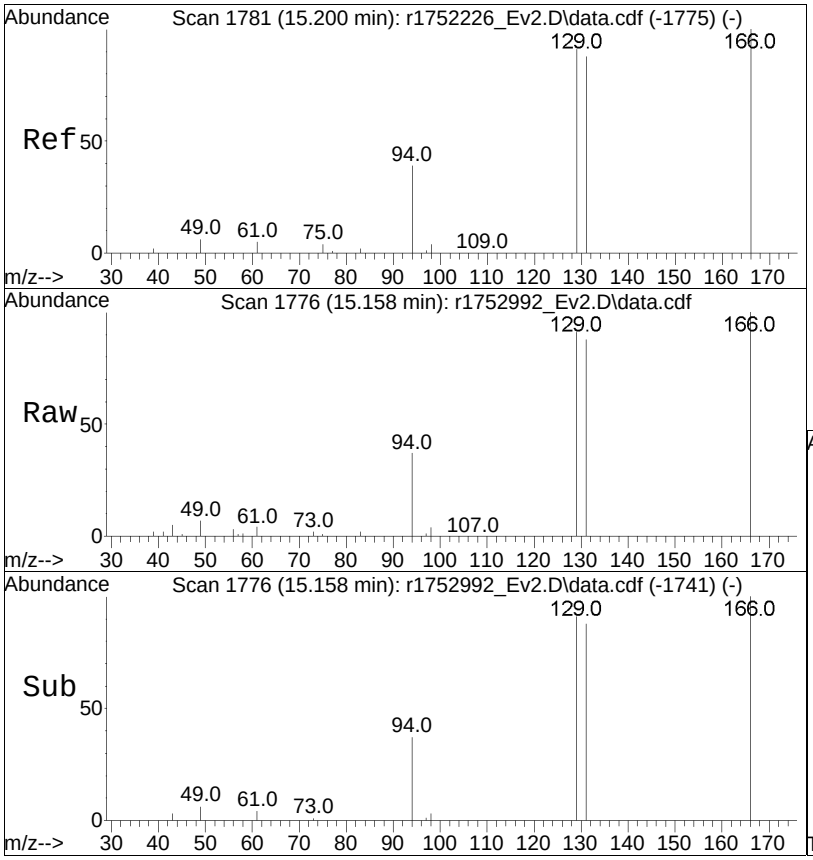


#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 10.750 min Scan# 1196
Delta R.T. -0.053 min
Lab File: r1752992_Ev2.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:117 Resp: 1989

Ion	Ratio	Lower	Upper
117	100		
119	89.9	75.2	112.8
82	16.3	16.6	25.0#

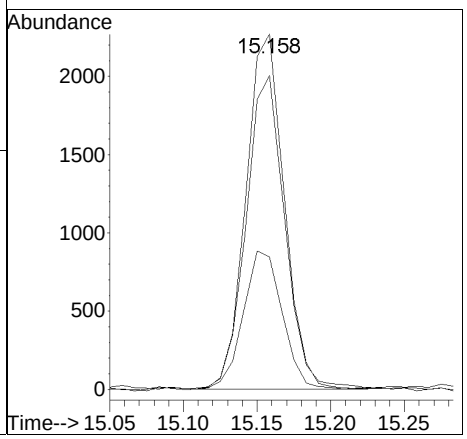




#57
tetrachloroethene
Concen: 0.18 ppbV
RT: 15.158 min Scan# 1776
Delta R.T. -0.042 min
Lab File: r1752992_Ev2.D
Acq: 18 Dec 2025 9:26 PM

Tgt Ion:166 Resp: 4100

Ion	Ratio	Lower	Upper
166	100		
131	88.4	70.6	105.8
94	37.3	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752992_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 9:26 PM	Instrument	:
Sample	: L2577500-07,3,250,250	Quant Date	: 12/19/2025 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752993_Ev2.D
Acq On : 18 Dec 2025 10:04 PM
Operator : AIRLAB17:TPH
Sample : L2577500-08,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:28 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

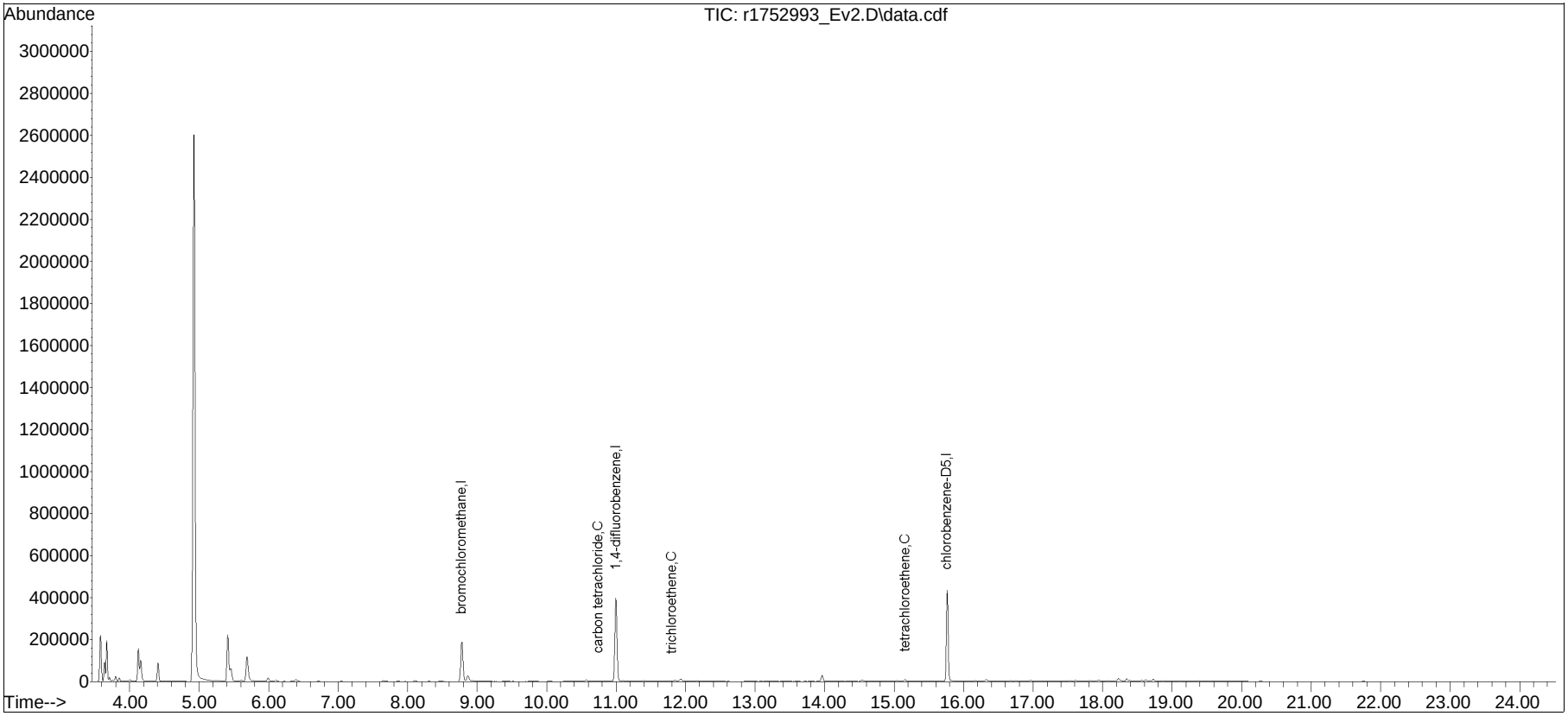
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.775	49	198374	10.000	ppbV	-0.07
Standard Area = 227226			Recovery =		87.30%	
33) 1,4-difluorobenzene	10.997	114	518335	10.000	ppbV	-0.05
Standard Area = 688414			Recovery =		75.29%	
51) chlorobenzene-D5	15.758	54	77993	10.000	ppbV	-0.04
Standard Area = 96640			Recovery =		80.70%	
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	10.225		0	N.D.		
38) carbon tetrachloride	10.743	117	1938	0.095	ppbV #	96
44) trichloroethene	11.797	130	241	0.011	ppbV	94
57) tetrachloroethene	15.158	166	4629	0.215	ppbV	99

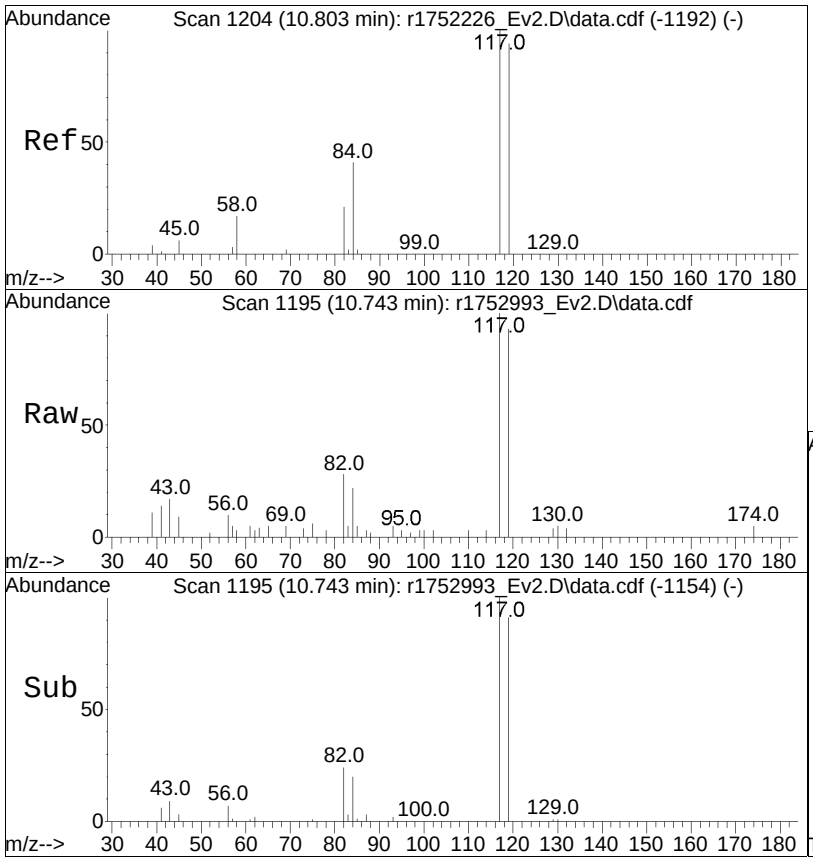
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752993_Ev2.D
Acq On : 18 Dec 2025 10:04 PM
Operator : AIRLAB17:TPH
Sample : L2577500-08,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:28 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

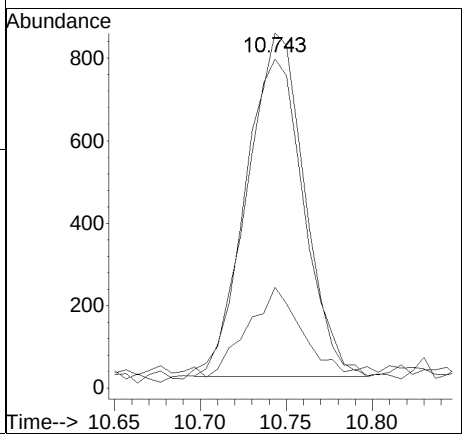


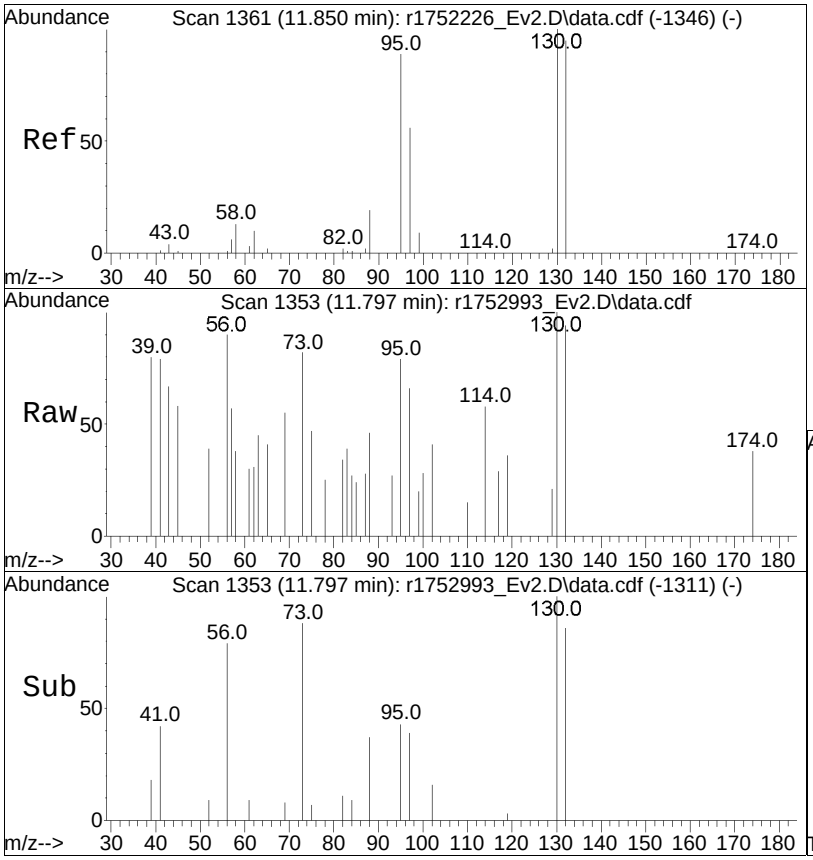


#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 10.743 min Scan# 1195
Delta R.T. -0.060 min
Lab File: r1752993_Ev2.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:117 Resp: 1938

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.2	112.8
82	28.5	16.6	25.0#

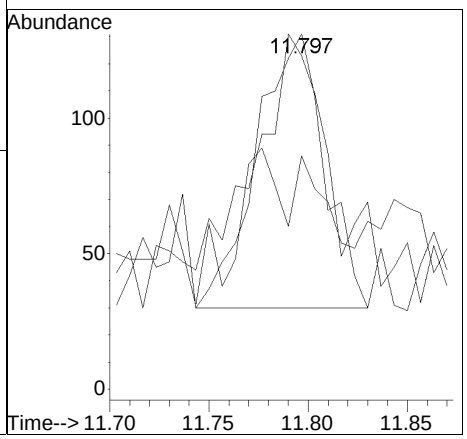


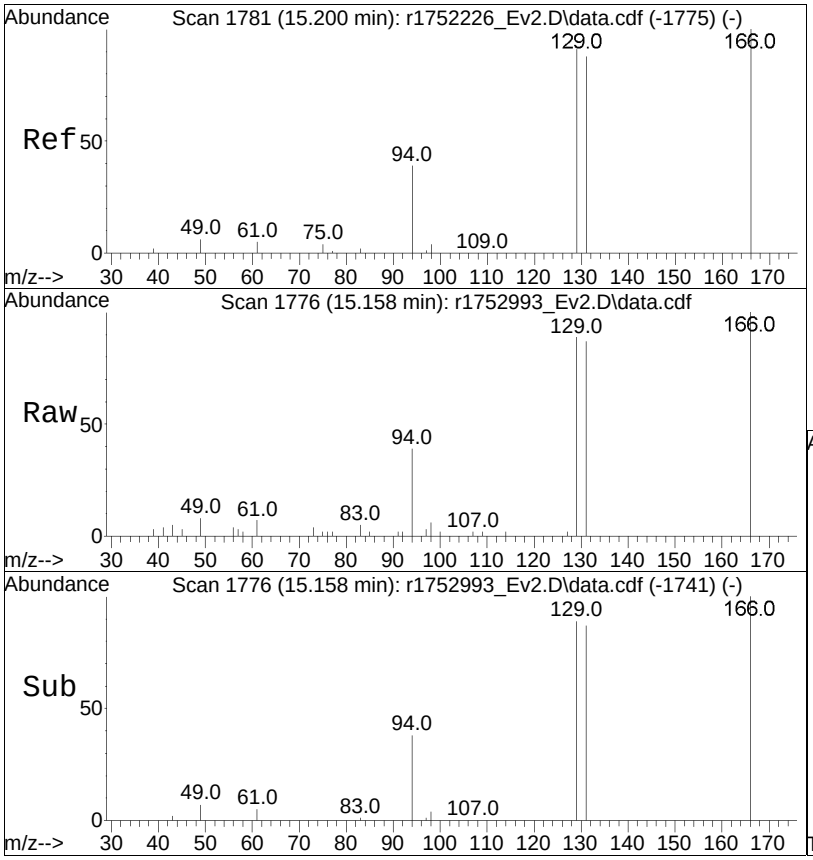


#44
trichloroethene
Concen: 0.01 ppbV
RT: 11.797 min Scan# 1353
Delta R.T. -0.053 min
Lab File: r1752993_Ev2.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:130 Resp: 241

Ion	Ratio	Lower	Upper
130	100		
132	93.9	76.4	114.6
97	65.6	45.1	67.7

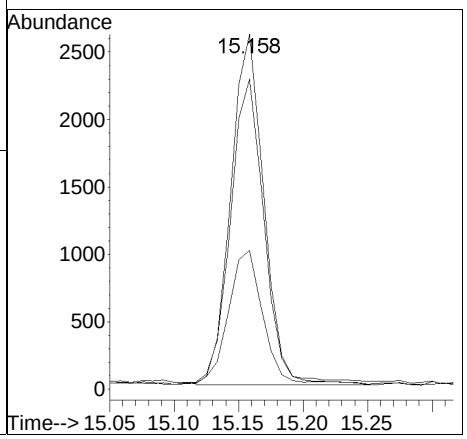




#57
tetrachloroethene
Concen: 0.22 ppbV
RT: 15.158 min Scan# 1776
Delta R.T. -0.042 min
Lab File: r1752993_Ev2.D
Acq: 18 Dec 2025 10:04 PM

Tgt Ion:166 Resp: 4629

Ion	Ratio	Lower	Upper
166	100		
131	87.3	70.6	105.8
94	39.1	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752993_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 10:04 PM	Instrument	:
Sample	: L2577500-08,3,250,250	Quant Date	: 12/19/2025 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752995_Ev2.D
Acq On : 18 Dec 2025 11:20 PM
Operator : AIRLAB17:TPH
Sample : L2577500-09,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:47 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

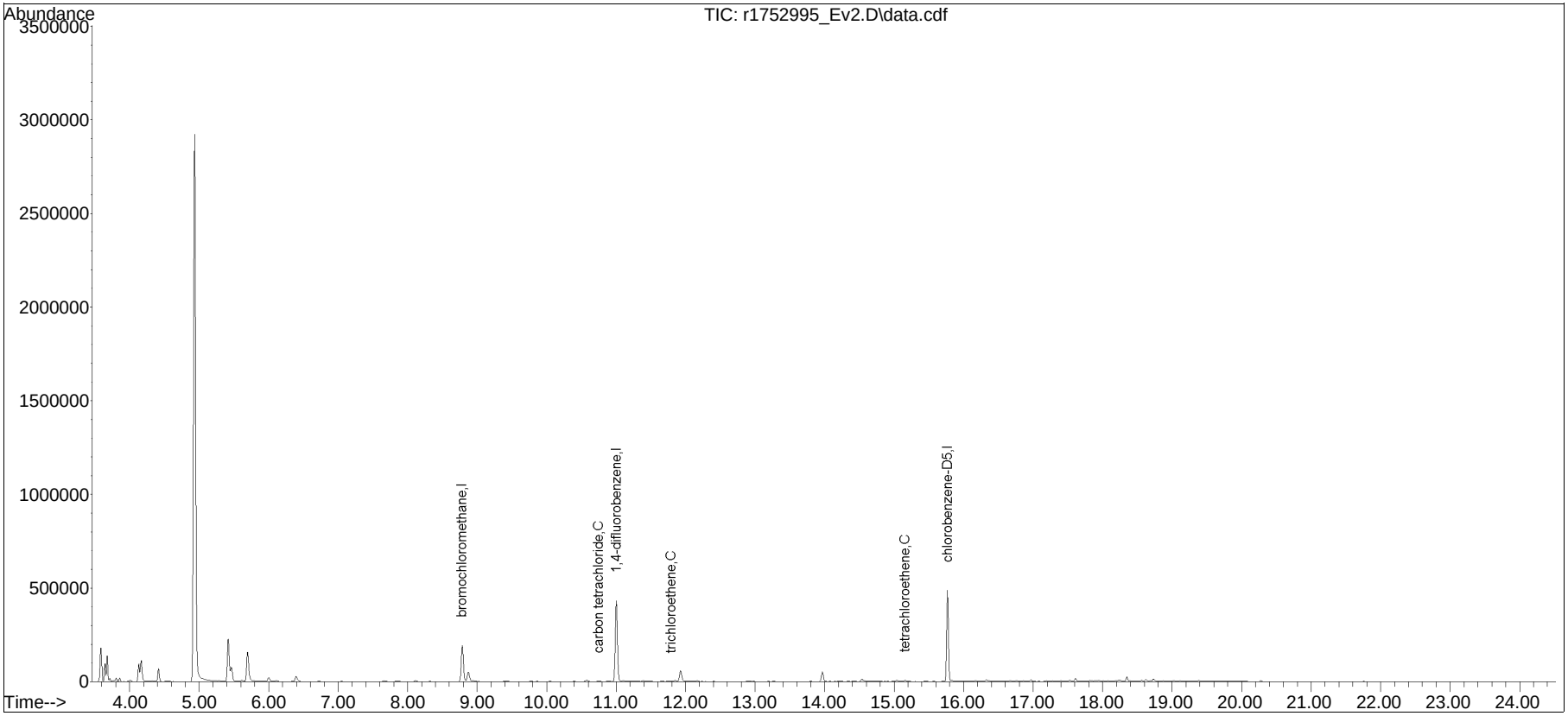
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	200264	10.000	ppbV	-0.06
Standard Area = 227226			Recovery =		88.13%	
33) 1,4-difluorobenzene	11.003	114	569464	10.000	ppbV	-0.05
Standard Area = 688414			Recovery =		82.72%	
51) chlorobenzene-D5	15.767	54	85040	10.000	ppbV	-0.03
Standard Area = 96640			Recovery =		88.00%	
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	10.050		0	N.D.		
38) carbon tetrachloride	10.750	117	2164	0.096	ppbV	96
44) trichloroethene	11.790	130	870	0.035	ppbV	88
57) tetrachloroethene	15.158	166	3930	0.168	ppbV	100

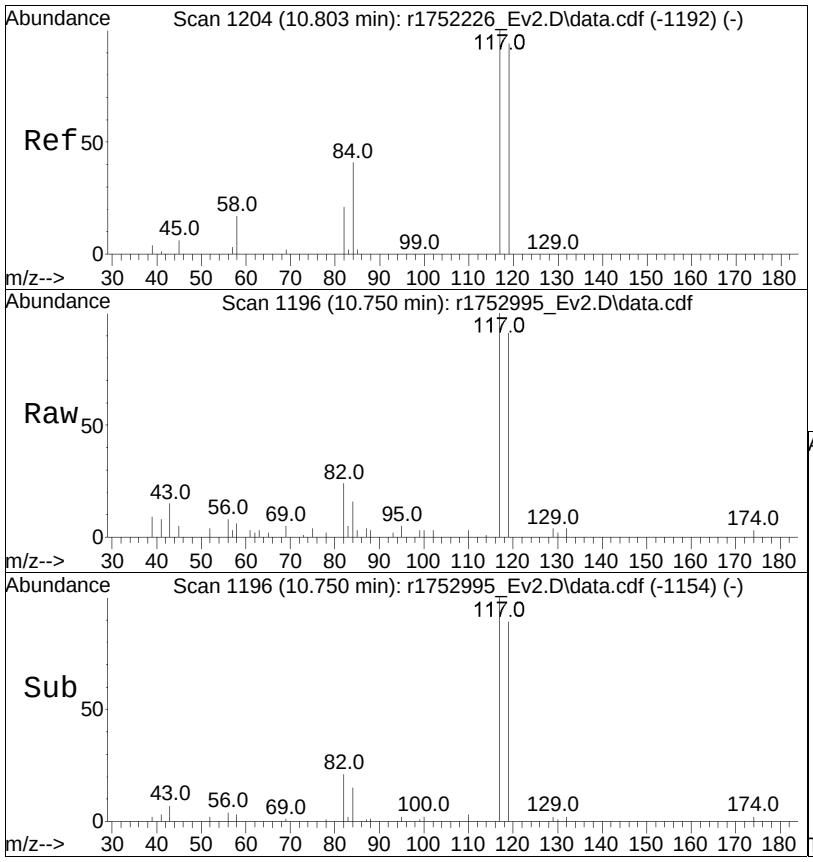
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752995_Ev2.D
Acq On : 18 Dec 2025 11:20 PM
Operator : AIRLAB17:TPH
Sample : L2577500-09,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:47 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

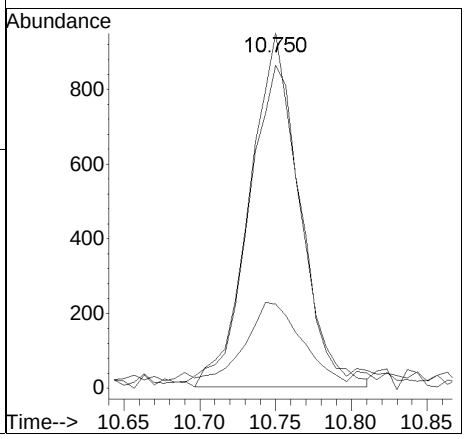


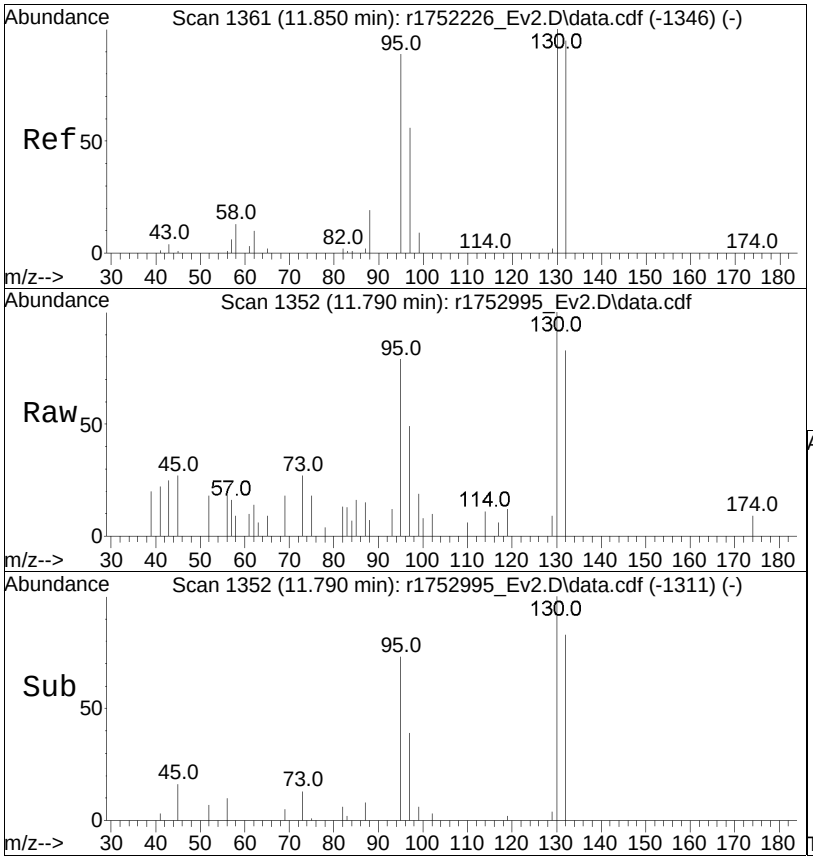


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 10.750 min Scan# 1196
Delta R.T. -0.053 min
Lab File: r1752995_Ev2.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:117 Resp: 2164

Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.2	112.8
82	23.7	16.6	25.0

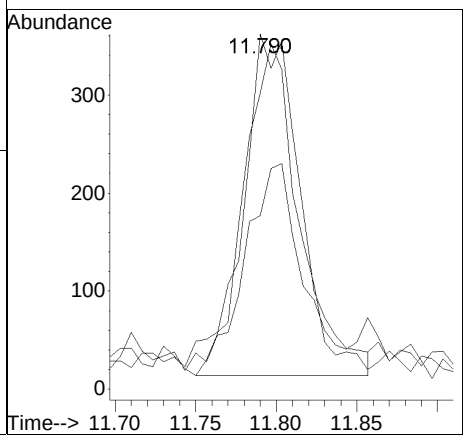


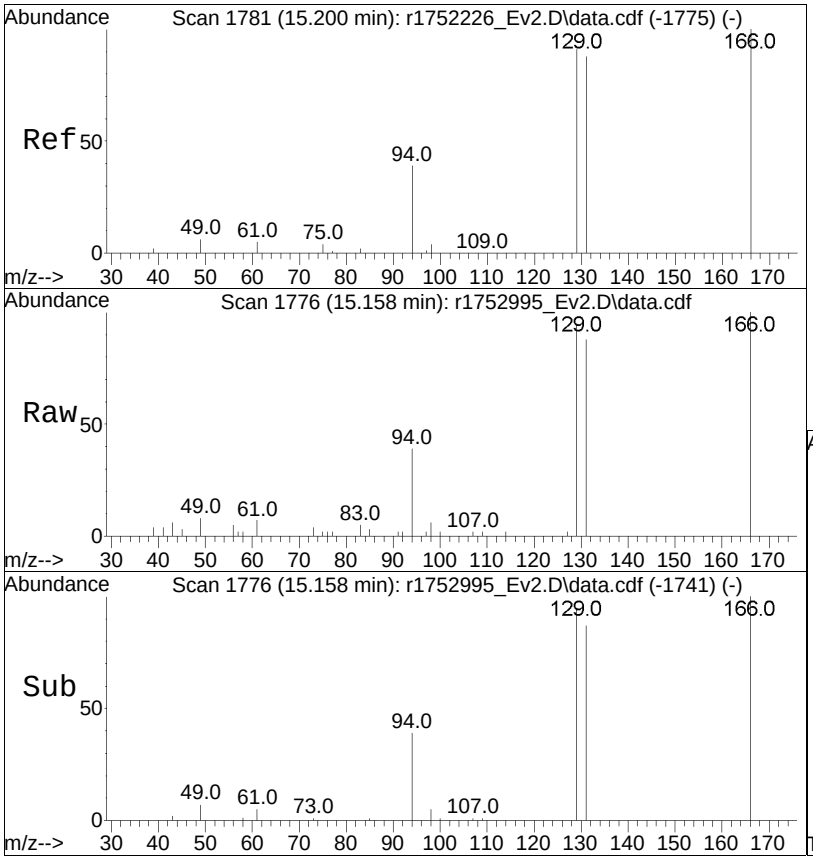


#44
trichloroethene
Concen: 0.03 ppbV
RT: 11.790 min Scan# 1352
Delta R.T. -0.060 min
Lab File: r1752995_Ev2.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:130 Resp: 870

Ion	Ratio	Lower	Upper
130	100		
132	83.4	76.4	114.6
97	48.9	45.1	67.7

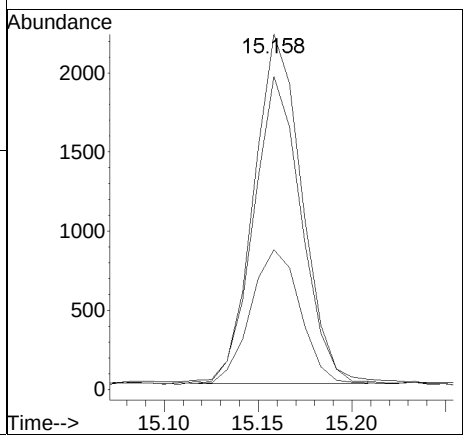




#57
tetrachloroethene
Concen: 0.17 ppbV
RT: 15.158 min Scan# 1776
Delta R.T. -0.042 min
Lab File: r1752995_Ev2.D
Acq: 18 Dec 2025 11:20 PM

Tgt Ion:166 Resp: 3930

Ion	Ratio	Lower	Upper
166	100		
131	88.1	70.6	105.8
94	39.3	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752995_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 11:20 PM	Instrument	:
Sample	: L2577500-09,3,250,250	Quant Date	: 12/19/2025 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752996_Ev2.D
Acq On : 18 Dec 2025 11:57 PM
Operator : AIRLAB17:TPH
Sample : L2577500-10,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:57 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

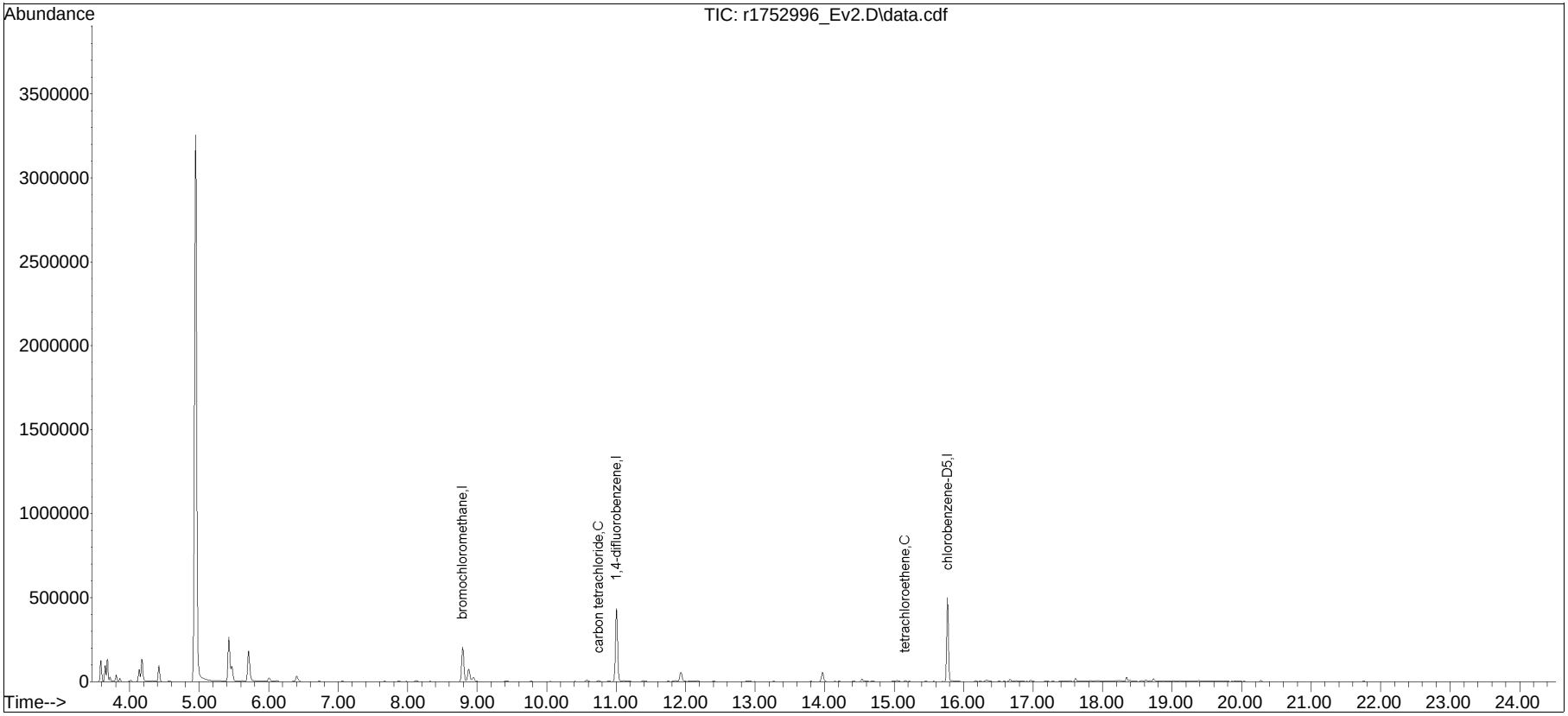
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	210433	10.000	ppbV	-0.05
Standard Area = 227226			Recovery =		92.61%	
33) 1,4-difluorobenzene	11.003	114	571707	10.000	ppbV	-0.05
Standard Area = 688414			Recovery =		83.05%	
51) chlorobenzene-D5	15.767	54	86483	10.000	ppbV	-0.03
Standard Area = 96640			Recovery =		89.49%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.		
17) 1,1-dichloroethene	6.288		0	N.D.		
28) cis-1,2-dichloroethene	8.567		0	N.D.		
36) 1,1,1-trichloroethane	10.058		0	N.D.		
38) carbon tetrachloride	10.750	117	3981	0.176	ppbV	94
44) trichloroethene	11.777		0	N.D.		
57) tetrachloroethene	15.158	166	3427	0.144	ppbV	98

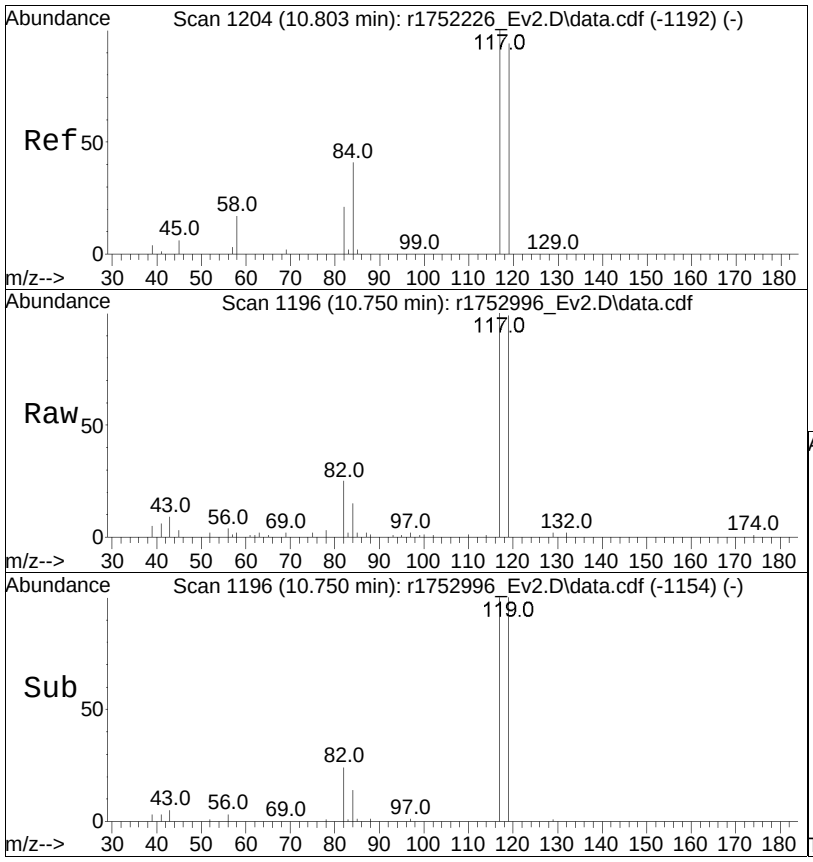
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752996_Ev2.D
Acq On : 18 Dec 2025 11:57 PM
Operator : AIRLAB17:TPH
Sample : L2577500-10,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:57 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

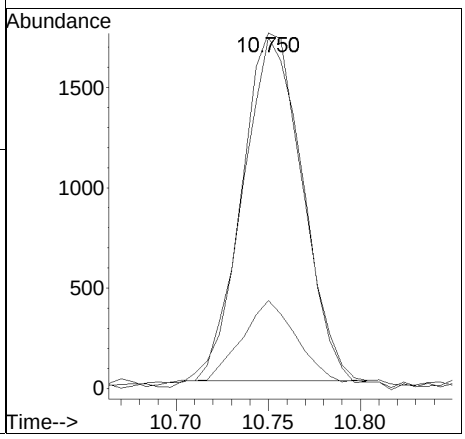


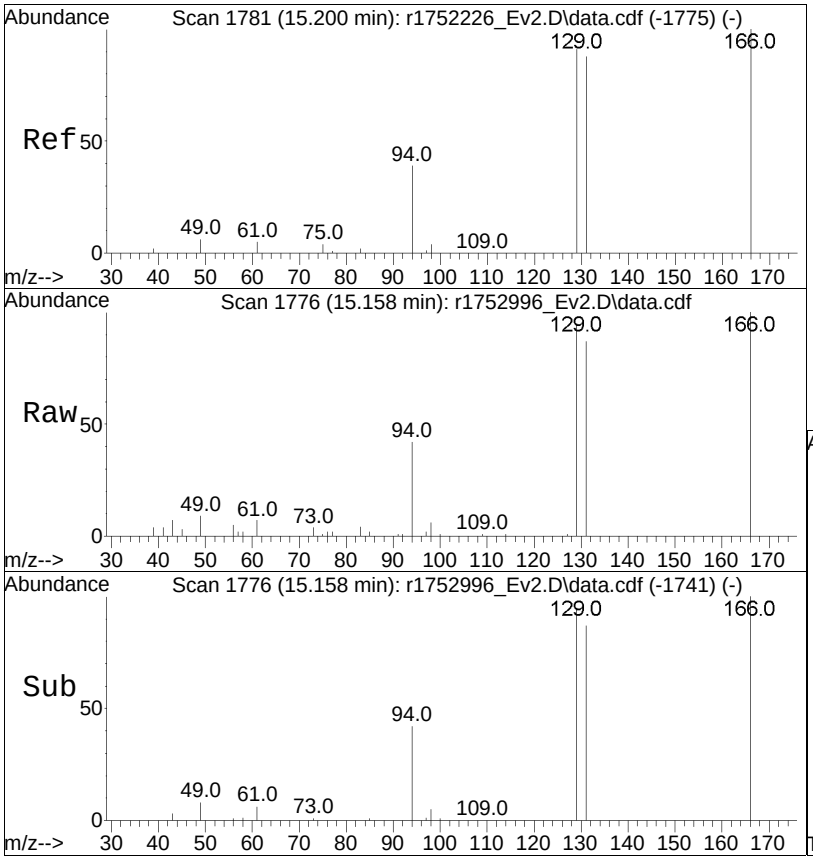


#38
carbon tetrachloride
Concen: 0.18 ppbV
RT: 10.750 min Scan# 1196
Delta R.T. -0.053 min
Lab File: r1752996_Ev2.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:117 Resp: 3981

Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.2	112.8
82	24.7	16.6	25.0

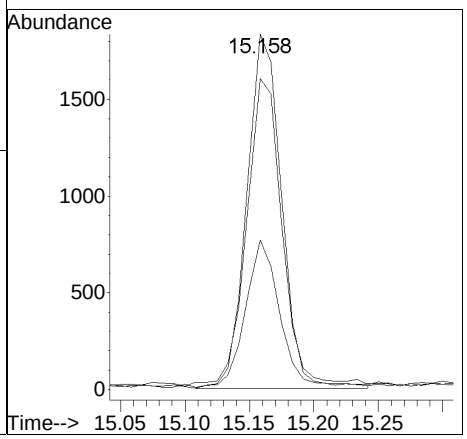




#57
tetrachloroethene
Concen: 0.14 ppbV
RT: 15.158 min Scan# 1776
Delta R.T. -0.042 min
Lab File: r1752996_Ev2.D
Acq: 18 Dec 2025 11:57 PM

Tgt Ion:166 Resp: 3427

Ion	Ratio	Lower	Upper
166	100		
131	87.5	70.6	105.8
94	42.1	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752996_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 11:57 PM	Instrument	:
Sample	: L2577500-10,3,250,250	Quant Date	: 12/19/2025 8:47 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752997_Ev2.D
Acq On : 19 Dec 2025 12:35 AM
Operator : AIRLAB17:TPH
Sample : L2577500-11,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:07 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

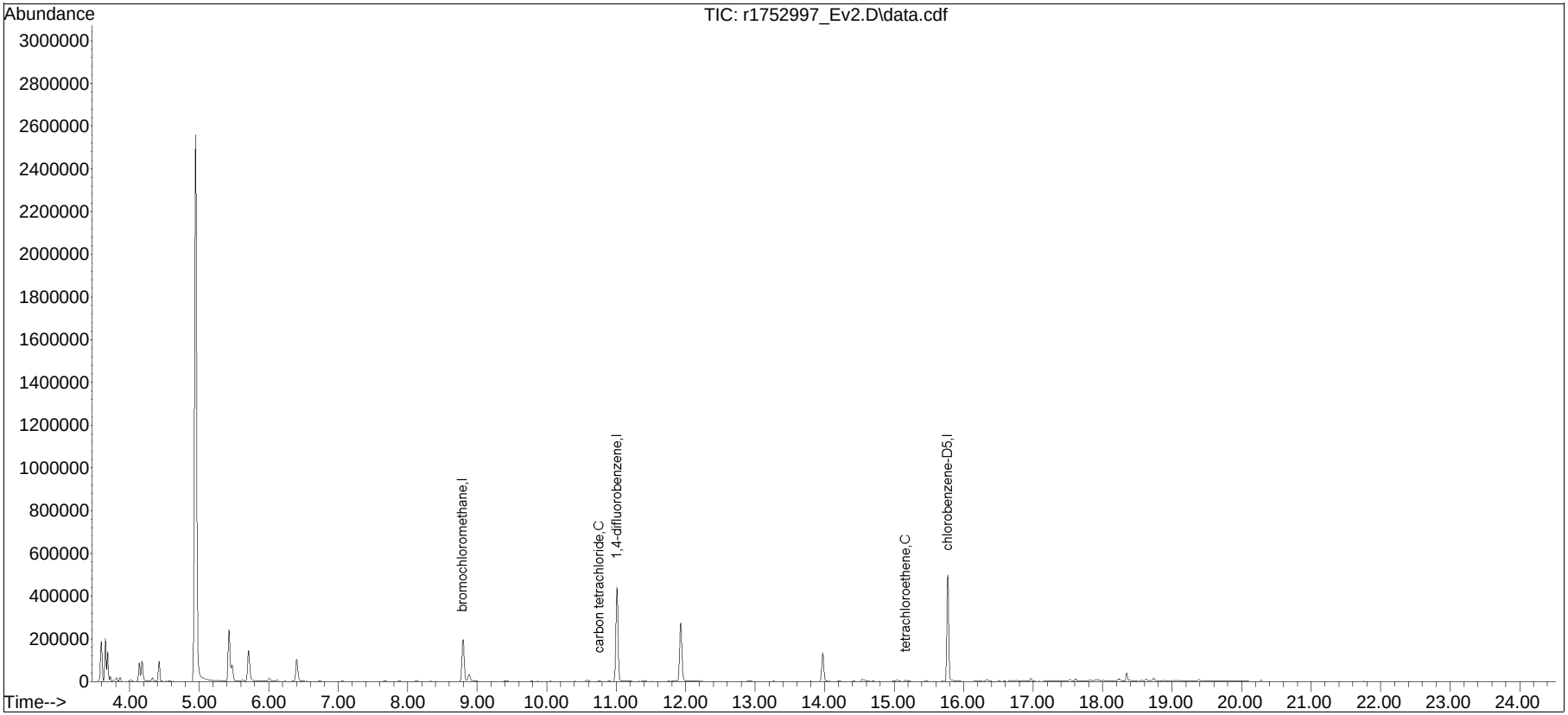
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	207895	10.000	ppbV	-0.05
Standard Area = 227226			Recovery =		91.49%	
33) 1,4-difluorobenzene	11.010	114	587128	10.000	ppbV	-0.04
Standard Area = 688414			Recovery =		85.29%	
51) chlorobenzene-D5	15.767	54	91291	10.000	ppbV	-0.03
Standard Area = 96640			Recovery =		94.47%	
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	10.757	117	2098	0.091	ppbV	98
44) trichloroethene	11.803		0	N.D.		
57) tetrachloroethene	15.167	166	4134	0.164	ppbV	99

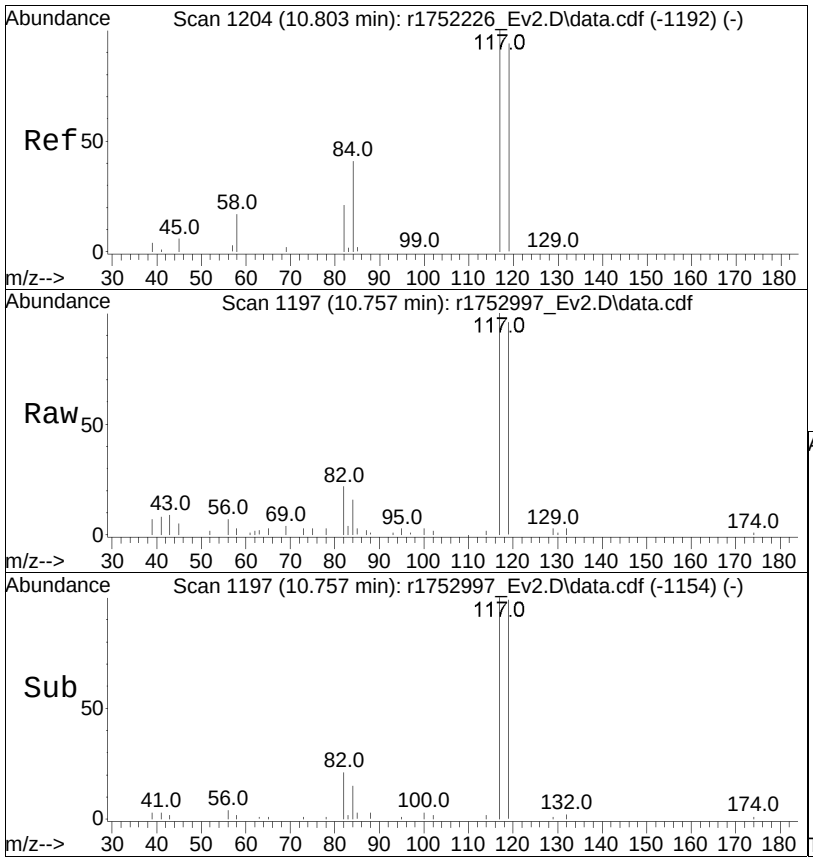
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752997_Ev2.D
Acq On : 19 Dec 2025 12:35 AM
Operator : AIRLAB17:TPH
Sample : L2577500-11,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:07 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

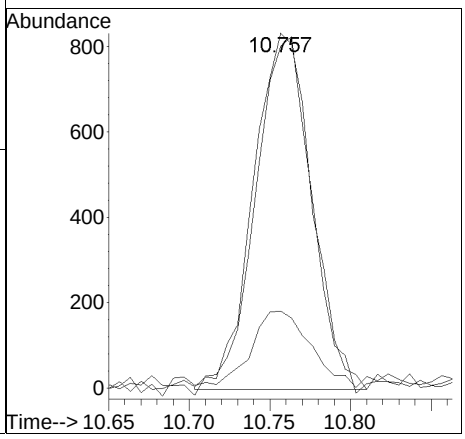


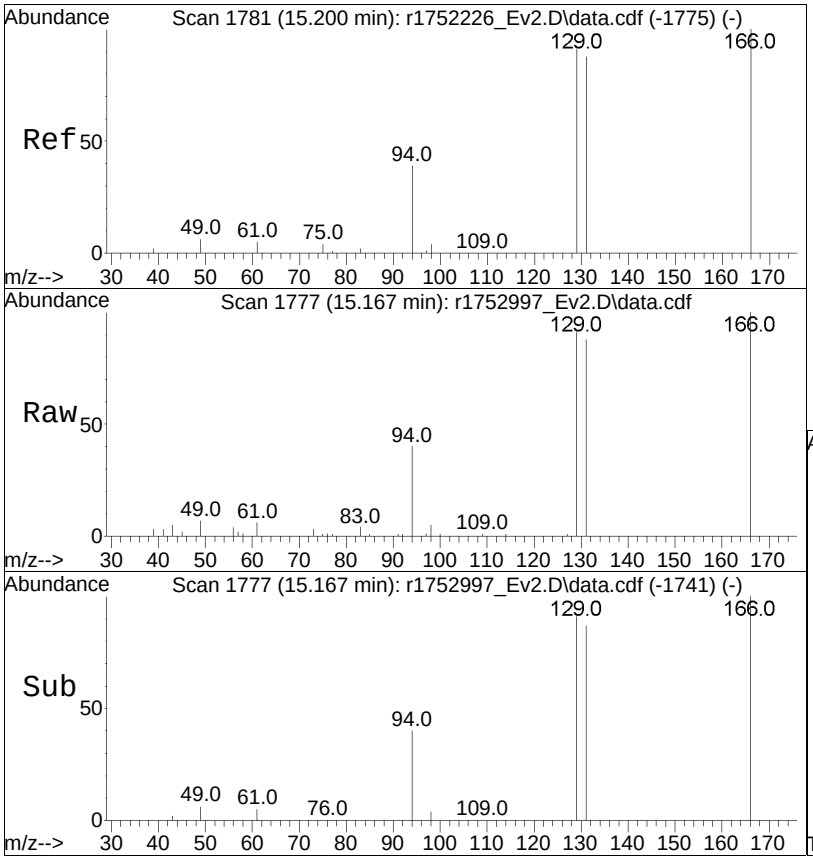


#38
carbon tetrachloride
Concen: 0.09 ppbV
RT: 10.757 min Scan# 1197
Delta R.T. -0.047 min
Lab File: r1752997_Ev2.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:117 Resp: 2098

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.2	112.8
82	21.8	16.6	25.0

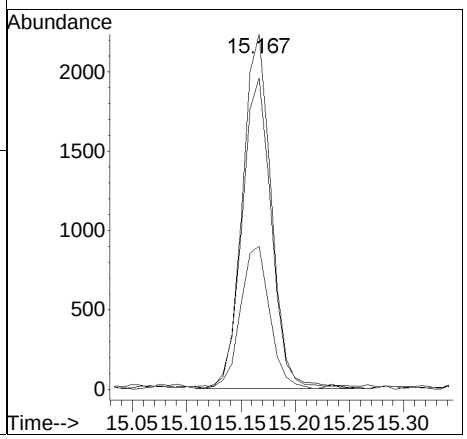




#57
tetrachloroethene
Concen: 0.16 ppbV
RT: 15.167 min Scan# 1777
Delta R.T. -0.033 min
Lab File: r1752997_Ev2.D
Acq: 19 Dec 2025 12:35 AM

Tgt Ion:166 Resp: 4134

Ion	Ratio	Lower	Upper
166	100		
131	87.7	70.6	105.8
94	40.3	31.4	47.0

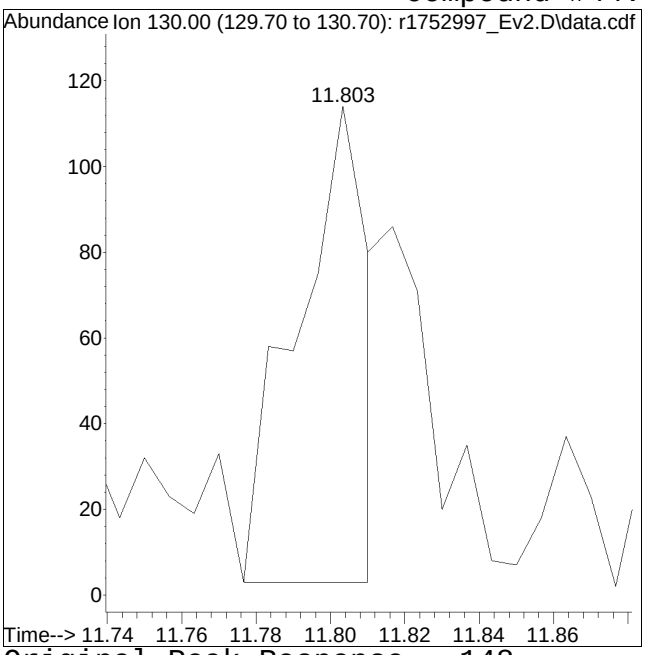


Manual Integration Report

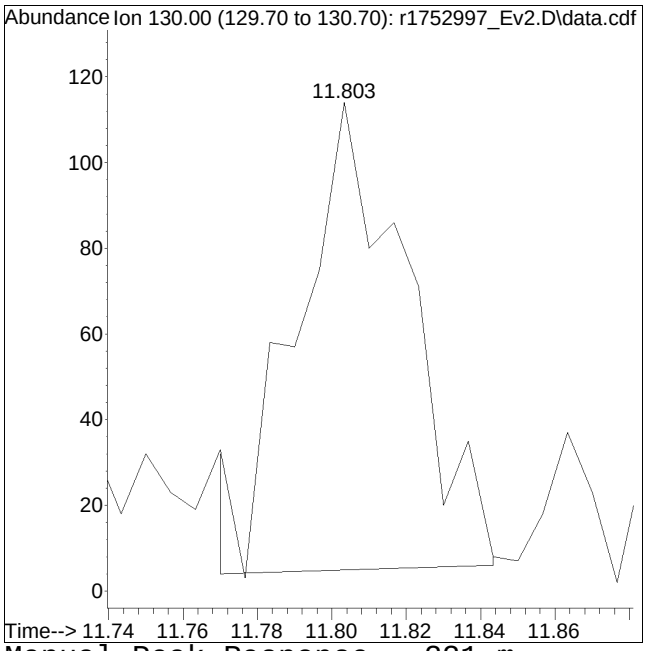
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752997_Ev2.D
Date Inj'd : 12/19/2025 12:35 AM
Sample : L2577500-11,3,250,250

Method : TSIM17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/19/2025 8:48 am

Compound #44: trichloroethene



Original Peak Response = 148



Manual Peak Response = 221 m

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752998_Ev2.D
Acq On : 19 Dec 2025 1:13 AM
Operator : AIRLAB17:TPH
Sample : L2577500-12,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

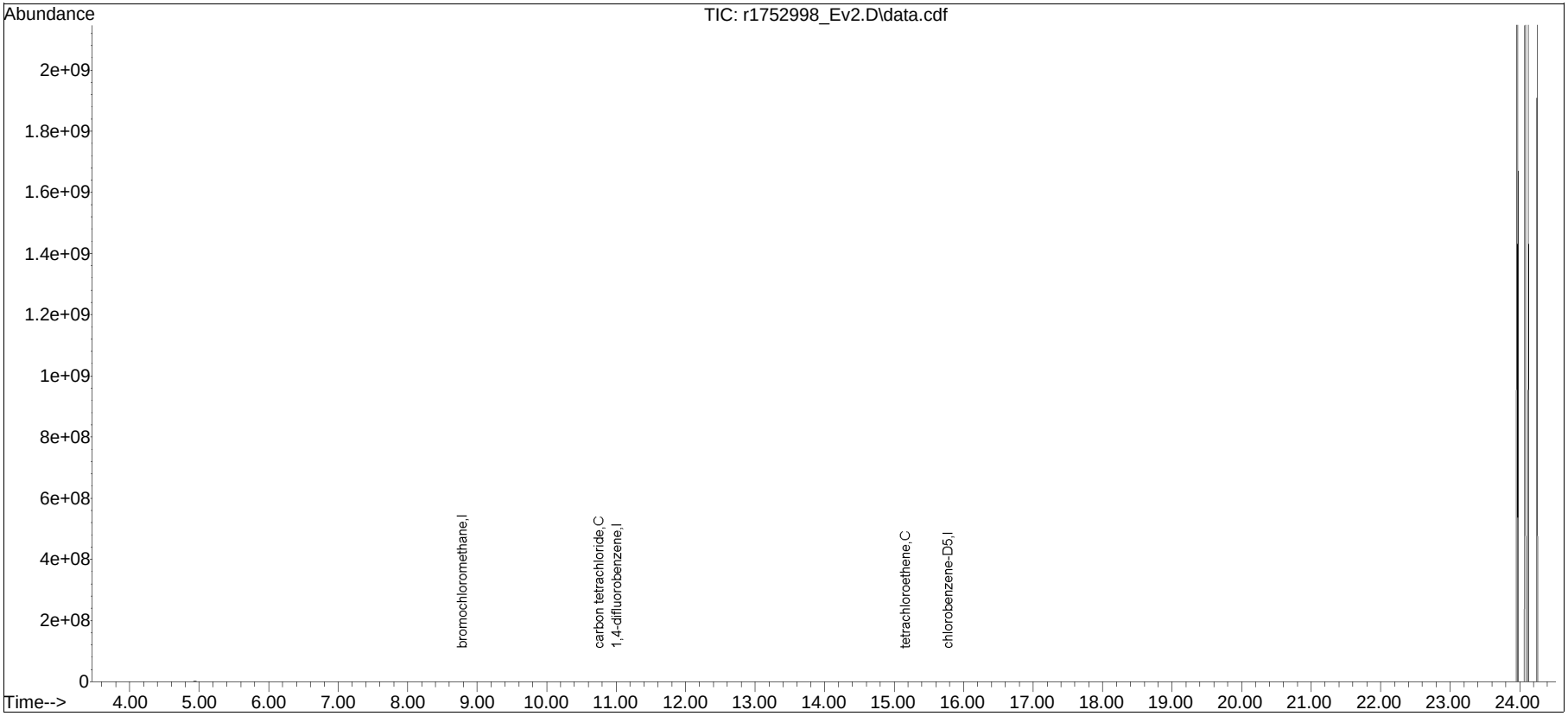
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.792	49	207845	10.000	ppbV	-0.05
Standard Area = 227226			Recovery = 91.47%			
33) 1,4-difluorobenzene	11.010	114	624488	10.000	ppbV	-0.04
Standard Area = 688414			Recovery = 90.71%			
51) chlorobenzene-D5	15.775	54	100147	10.000	ppbV	-0.03
Standard Area = 96640			Recovery = 103.63%			
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	10.757	117	1888	0.077	ppbV	97
44) trichloroethene	11.810		0	N.D.		
57) tetrachloroethene	15.167	166	4600	0.167	ppbV	99

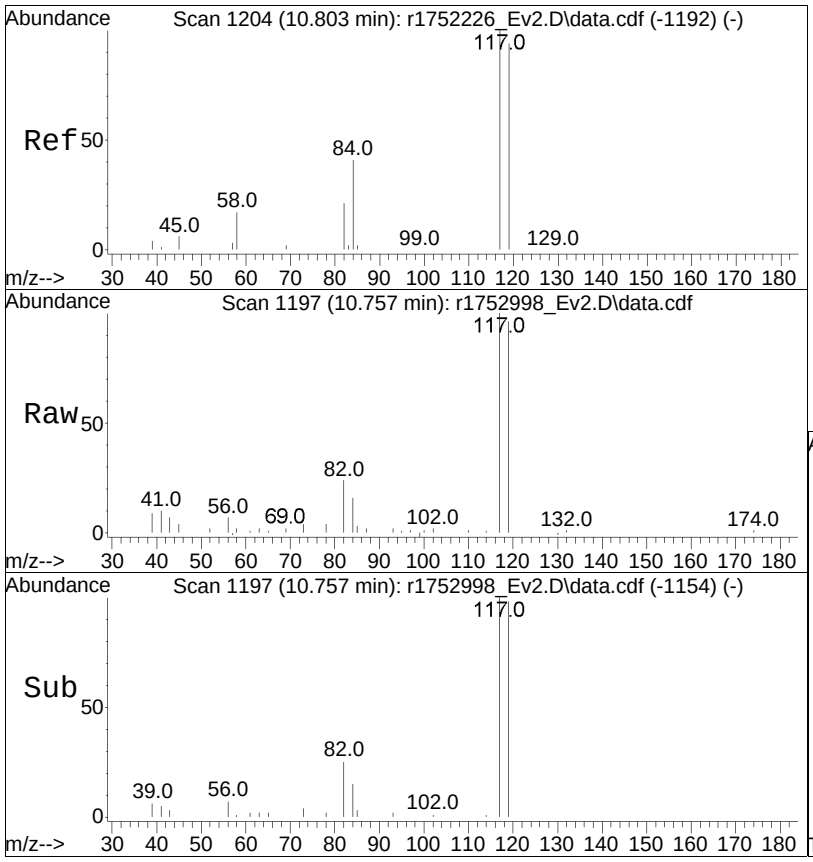
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752998_Ev2.D
Acq On : 19 Dec 2025 1:13 AM
Operator : AIRLAB17:TPH
Sample : L2577500-12,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:17 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

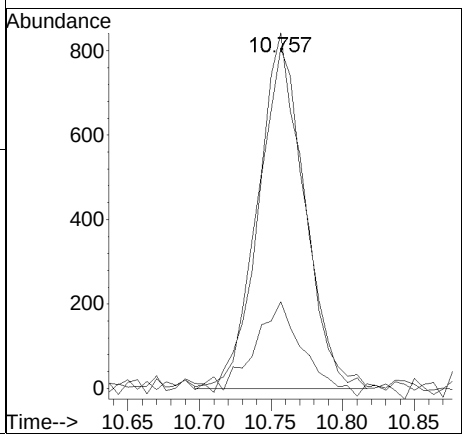


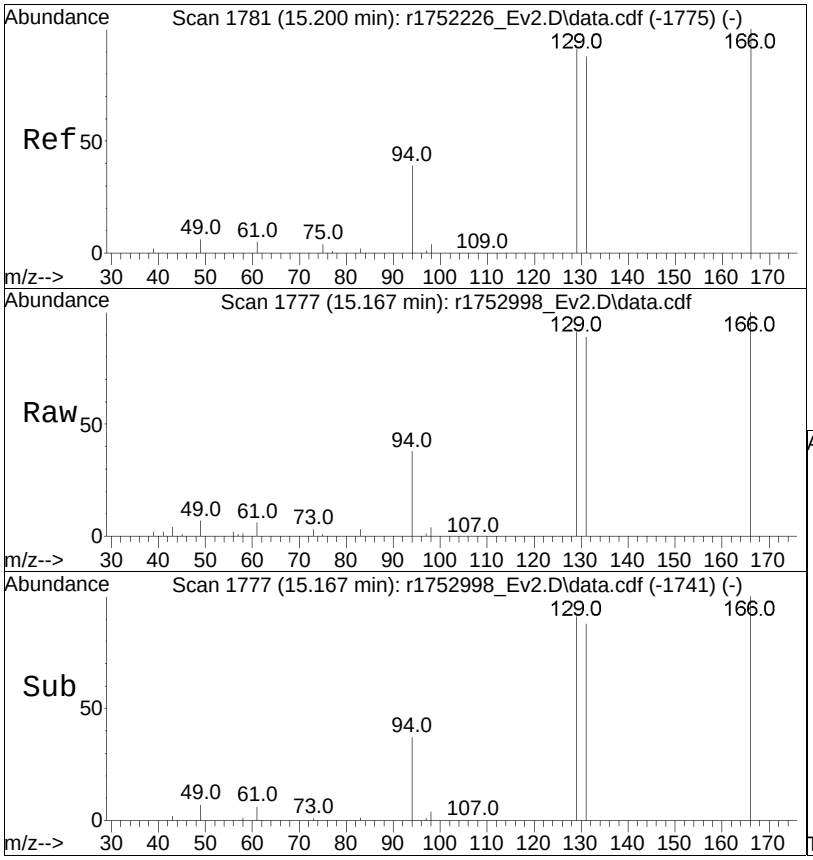


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 10.757 min Scan# 1197
Delta R.T. -0.047 min
Lab File: r1752998_Ev2.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:117 Resp: 1888

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.2	112.8
82	24.5	16.6	25.0

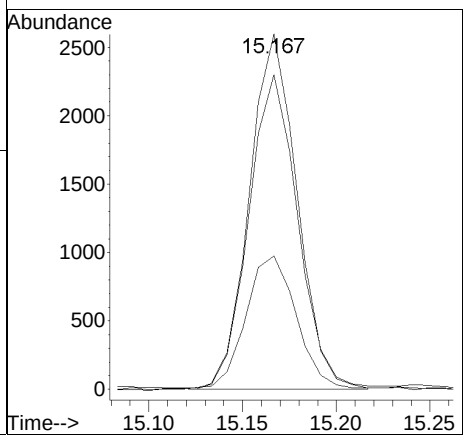




#57
tetrachloroethene
Concen: 0.17 ppbV
RT: 15.167 min Scan# 1777
Delta R.T. -0.033 min
Lab File: r1752998_Ev2.D
Acq: 19 Dec 2025 1:13 AM

Tgt Ion:166 Resp: 4600

Ion	Ratio	Lower	Upper
166	100		
131	88.6	70.6	105.8
94	37.5	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752998_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/19/2025 1:13 AM	Instrument	:
Sample	: L2577500-12,3,250,250	Quant Date	: 12/19/2025 8:48 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752999_Ev2.D
Acq On : 19 Dec 2025 1:50 AM
Operator : AIRLAB17:TPH
Sample : L2577500-13,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

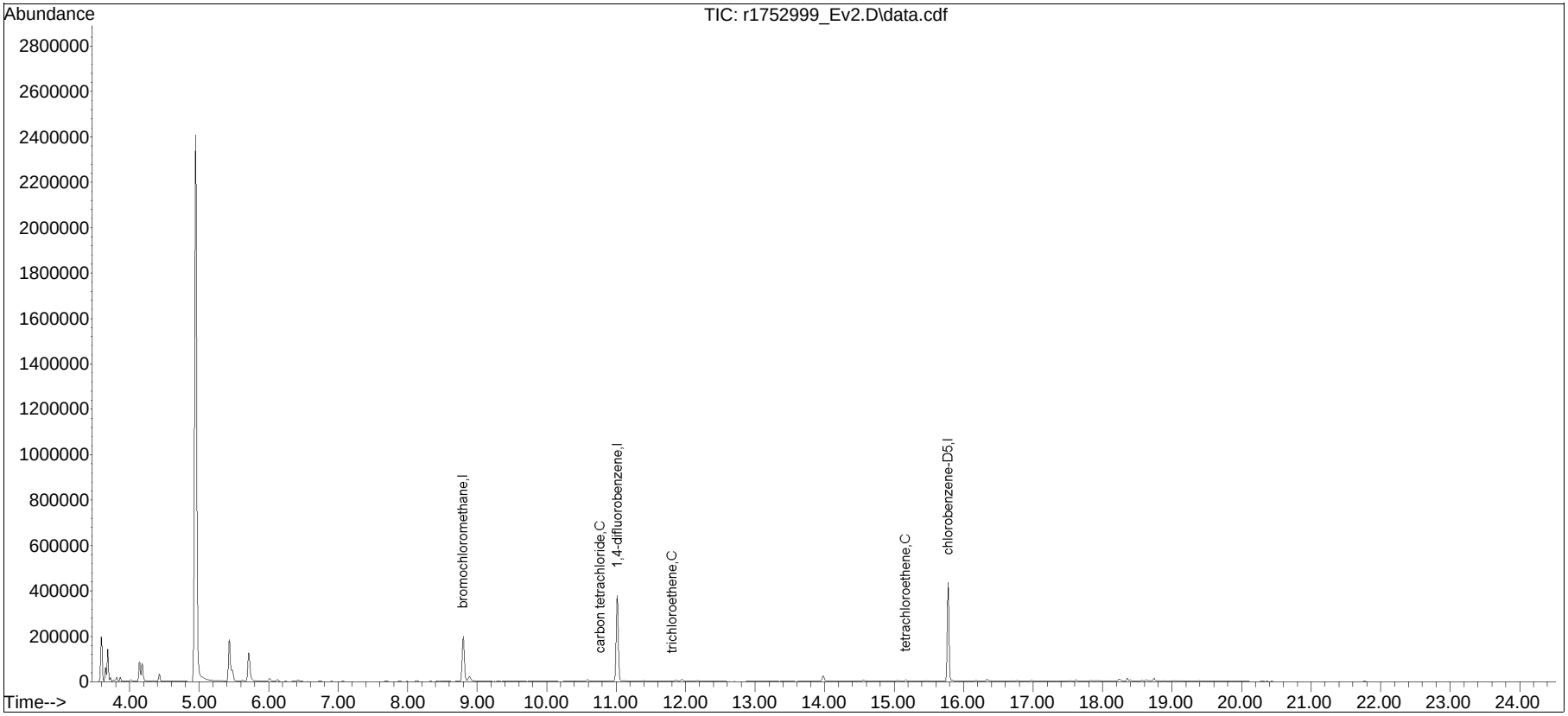
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.800	49	203824	10.000	ppbV	-0.04
Standard Area = 227226			Recovery =		89.70%	
33) 1,4-difluorobenzene	11.017	114	499090	10.000	ppbV	-0.03
Standard Area = 688414			Recovery =		72.50%	
51) chlorobenzene-D5	15.775	54	75851	10.000	ppbV	-0.03
Standard Area = 96640			Recovery =		78.49%	
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	10.770	117	1916	0.097	ppbV	97
44) trichloroethene	11.810	130	310	0.014	ppbV	95
57) tetrachloroethene	15.167	166	4315	0.206	ppbV	98

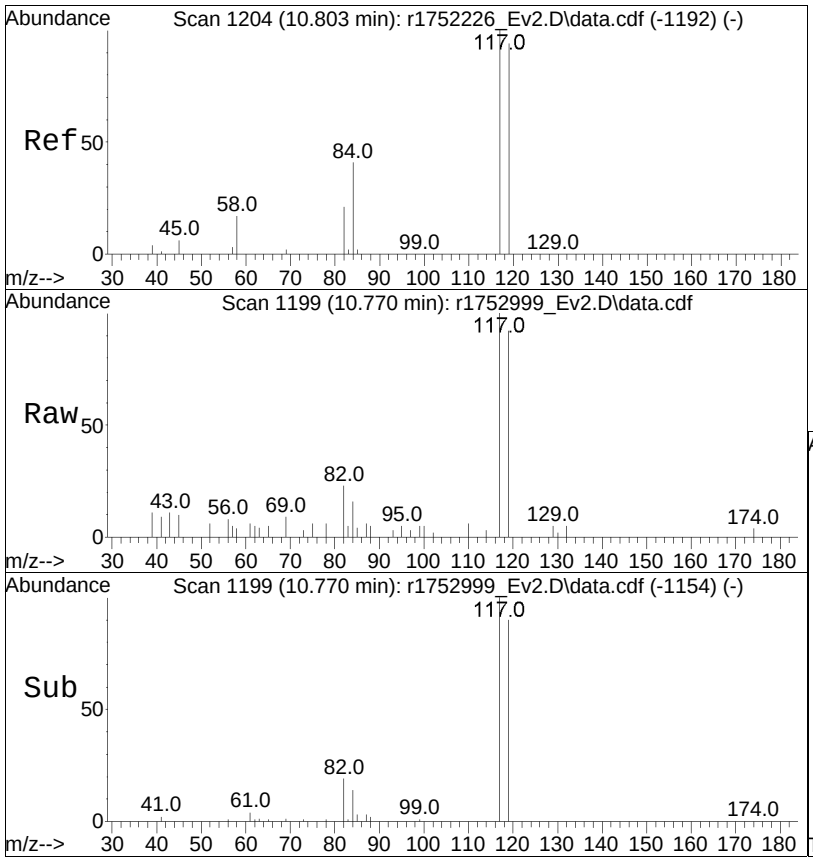
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752999_Ev2.D
Acq On : 19 Dec 2025 1:50 AM
Operator : AIRLAB17:TPH
Sample : L2577500-13,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:48:27 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

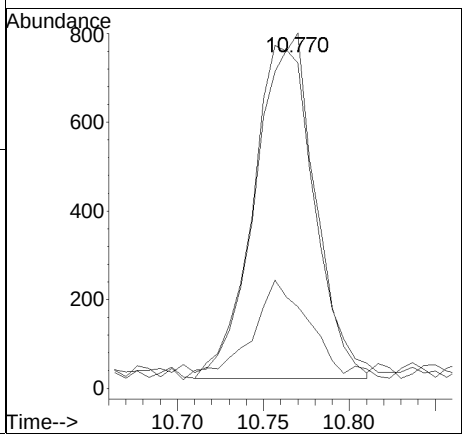


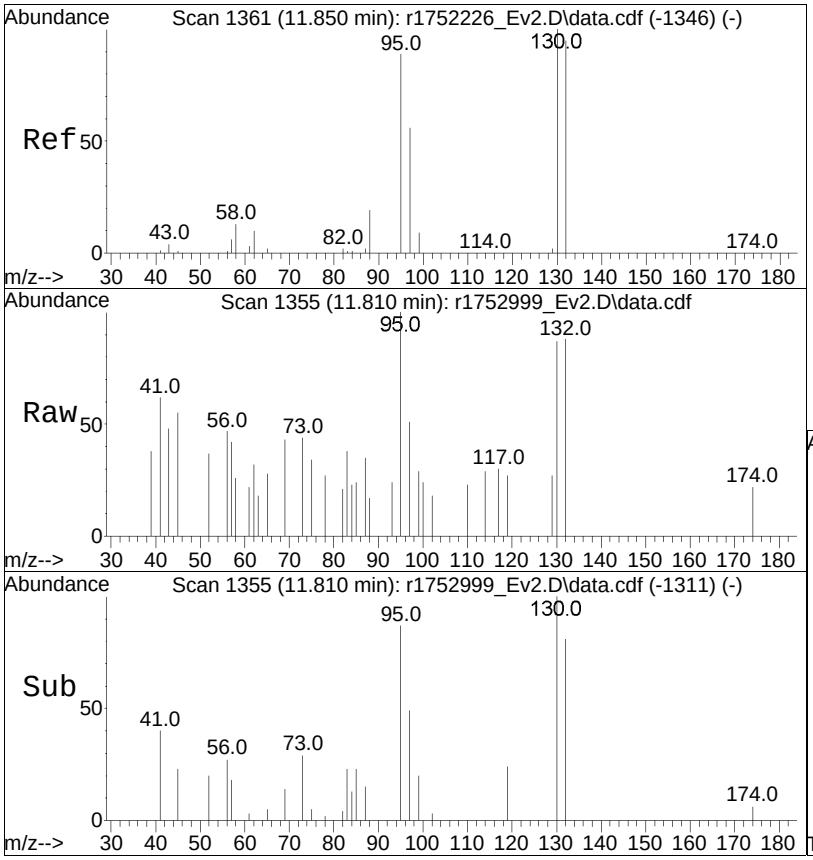


#38
carbon tetrachloride
Concen: 0.10 ppbV
RT: 10.770 min Scan# 1199
Delta R.T. -0.033 min
Lab File: r1752999_Ev2.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:117 Resp: 1916

Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.2	112.8
82	23.0	16.6	25.0

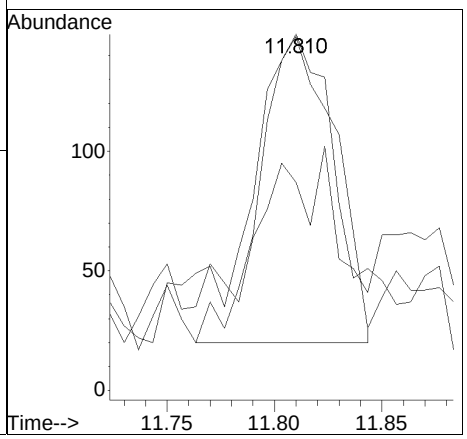


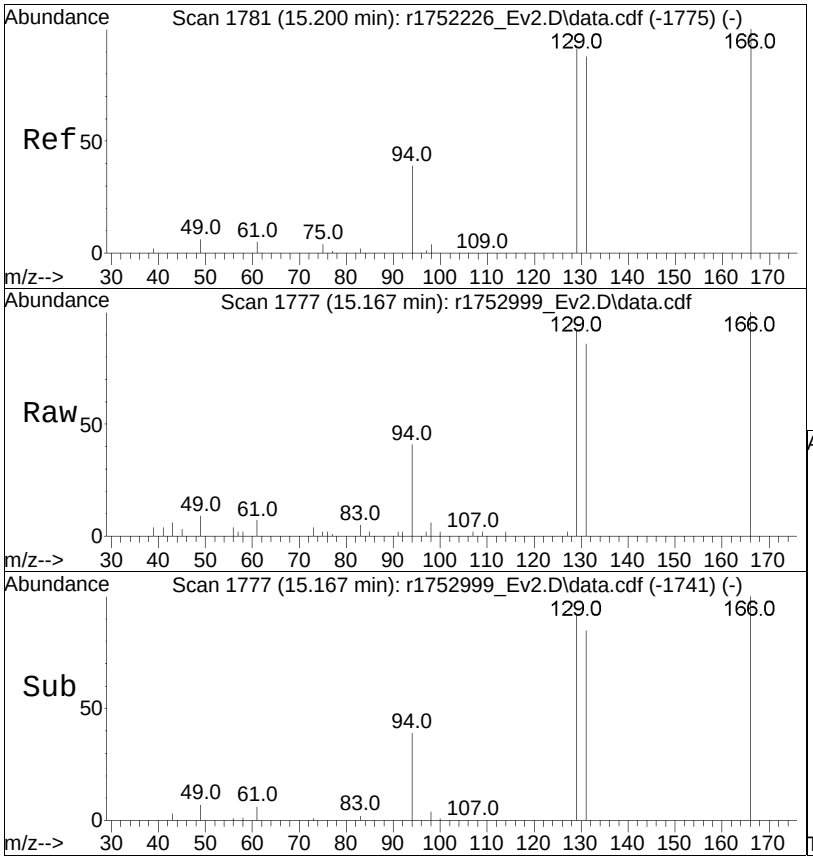


#44
trichloroethene
Concen: 0.01 ppbV
RT: 11.810 min Scan# 1355
Delta R.T. -0.040 min
Lab File: r1752999_Ev2.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:130 Resp: 310

Ion	Ratio	Lower	Upper
130	100		
132	100.7	76.4	114.6
97	58.8	45.1	67.7

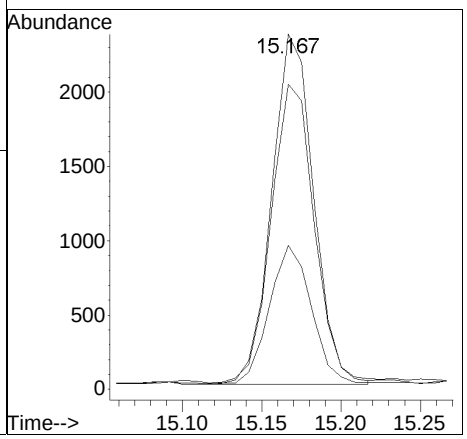




#57
tetrachloroethene
Concen: 0.21 ppbV
RT: 15.167 min Scan# 1777
Delta R.T. -0.033 min
Lab File: r1752999_Ev2.D
Acq: 19 Dec 2025 1:50 AM

Tgt Ion:166 Resp: 4315

Ion	Ratio	Lower	Upper
166	100		
131	85.9	70.6	105.8
94	40.5	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752999_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/19/2025 1:50 AM	Instrument	:
Sample	: L2577500-13,3,250,250	Quant Date	: 12/19/2025 8:48 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**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22799**
Calibration dates	**: 11/05/25 23:54 11/06/25 05:34**		

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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						0.710	0.651	0.595	0.692	0.721	0.688	0.676	6.83
3)		dichlorodifluoromethane					1.468	1.553	1.534	1.525	1.591	1.476	1.352	1.500	5.19
4)	C	chloromethane					0.614	0.623	0.623	0.658	0.656	0.614	0.586	0.625	4.07
5)		Freon-114			1.947	1.969	1.633	1.719	1.717	1.764	1.763	1.633	1.539	1.743	8.14
6)	C	vinyl chloride	1.102	1.010	1.015	0.842	0.880	0.882	0.916	0.900	0.803	0.757	0.911		11.54
7)	C	1,3-butadiene	0.684	0.692	0.636	0.549	0.578	0.576	0.567	0.573	0.543	0.516	0.591		10.08
8)	C	bromomethane	0.777	0.795	0.791	0.621	0.670	0.667	0.662	0.688	0.619	0.582	0.687		11.03
9)	C	chloroethane			0.483	0.556	0.406	0.431	0.426	0.430	0.451	0.401	0.376	0.440	12.08
10)		ethanol							0.634	0.585	0.668	0.602	0.456	0.589	13.70
11)	C	vinyl bromide			0.738	0.779	0.619	0.660	0.634	0.623	0.689	0.743	0.727	0.690	8.57
12)	C	acrolein			0.517	0.523	0.357	0.380	0.377	0.391	0.448	0.452	0.431	0.431	14.00
13)		acetone					0.883	0.919	0.913	0.863	0.936	0.958	0.896	0.910	3.55
14)		trichlorofluoromethane			1.733	1.758	1.437	1.476	1.455	1.460	1.588	1.542	1.429	1.542	8.18
15)		isopropyl alcohol					0.946	1.049	1.012	0.967	1.061	1.168	1.123	1.047	7.65
16)	C	acrylonitrile					0.585	0.621	0.660	0.666	0.759	0.744	0.702	0.677	9.31
17)	C	1,1-dichloroethene	1.431	1.382	1.369	1.108	1.177	1.159	1.164	1.283	1.274	1.201	1.255		8.78
18)		tertiary butyl alcohol						1.373	1.382	1.491	1.632	1.726	1.652	1.543	9.65
19)	C	methylene chloride						0.850	0.829	0.808	0.875	0.850	0.796	0.835	3.54
20)	C	3-chloropropene			1.057	1.122	0.900	0.937	0.941	0.929	1.034	1.096	1.077	1.010	8.27
21)	C	carbon disulfide					1.741	1.899	1.871	1.830	2.025	2.132	2.048	1.935	7.11
22)		Freon 113			1.704	1.729	1.426	1.501	1.481	1.479	1.635	1.667	1.608	1.581	7.04
23)		trans-1,2-dichloroethene	1.206	1.216	1.270	1.046	1.103	1.108	1.062	1.174	1.241	1.189	1.162		6.65
24)	C	1,1-dichloroethane	1.764	1.674	1.641	1.329	1.402	1.400	1.408	1.553	1.591	1.548	1.531		9.26
25)	C	MTBE	1.809	1.824	1.804	1.517	1.610	1.618	1.579	1.753	1.843	1.793	1.715		7.03
26)	C	vinyl acetate						1.265	1.277	1.279	1.578	1.716	1.774	1.482	15.97
27)	C	2-butanone						1.276	1.287	1.311	1.465	1.548	1.510	1.400	8.71
28)		cis-1,2-dichloroethene	1.260	1.263	1.240	1.038	1.111	1.104	1.107	1.221	1.243	1.189	1.178		6.85
29)		Ethyl Acetate						0.229	0.242	0.257	0.294	0.326	0.318	0.278	14.66
30)	C	chloroform	1.725	1.645	1.626	1.339	1.389	1.400	1.377	1.481	1.431	1.326	1.474		9.58
31)		Tetrahydrofuran						0.684	0.698	0.702	0.795	0.849	0.837	0.761	9.86
32)	C	1,2-dichloroethane	1.105	1.109	1.082	0.853	0.892	0.900	0.884	0.964	0.943	0.877	0.961		10.45
33)	I	1,4-difluorobenzene	ISTD											
34)	C	hexane					0.452	0.478	0.460	0.411	0.479	0.507	0.435	0.460	6.84
35)	s	1,2-dichloroethane-D4					0.253	0.251	0.236	0.224	0.256	0.260	0.236	0.245	5.36
36)	C	1,1,1-trichloroethane	0.527	0.491	0.463	0.397	0.425	0.412	0.392	0.454	0.501	0.435	0.450		10.19

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22799**
Calibration dates	**: 11/05/25 23:54 11/06/25 05:34**		

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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		0.914	0.913	0.785	0.812	0.792	0.748	0.867	0.897	0.798	0.836	7.44
38)	C	carbon tetrachloride	0.394	0.392	0.417	0.360	0.395	0.385	0.366	0.424	0.430	0.382	0.395	5.88
39)		cyclohexane				0.479	0.490	0.478	0.436	0.508	0.539	0.476	0.487	6.53
40)		Dibromomethane		0.340	0.365	0.299	0.299	0.287	0.279	0.327	0.331	0.291	0.313	9.16
41)	C	1,2-dichloropropane	0.323	0.389	0.362	0.310	0.321	0.308	0.296	0.351	0.378	0.349	0.339	9.38
42)		bromodichloromethane	0.460	0.492	0.484	0.415	0.441	0.432	0.401	0.467	0.492	0.432	0.452	7.13
43)	C	1,4-dioxane			0.195	0.183	0.185	0.178	0.172	0.206	0.227	0.205	0.194	9.33
44)	C	trichloroethene	0.596	0.426	0.452	0.391	0.404	0.407	0.397	0.456	0.467	0.415	0.441	13.70
45)	C	2,2,4-trimethylpentane				1.445	1.533	1.491	1.332	1.548	1.641	1.428	1.488	6.67
46)		heptane				0.436	0.463	0.445	0.414	0.484	0.521	0.471	0.462	7.52
47)	C	cis-1,3-dichloropropene	0.338	0.353	0.361	0.323	0.354	0.343	0.333	0.395	0.425	0.391	0.362	8.92
48)	C	4-methyl-2-pentanone					0.488	0.499	0.486	0.579	0.631	0.576	0.543	11.14
49)		trans-1,3-dichloropropene	0.295	0.233	0.230	0.212	0.249	0.249	0.237	0.282	0.308	0.283	0.258	12.44
50)	C	1,1,2-trichloroethane	0.440	0.349	0.390	0.317	0.336	0.334	0.317	0.377	0.400	0.364	0.362	10.97
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.746	6.822	6.982	6.788	6.816	7.420	7.990	7.417	7.248	6.40
53)	s	toluene-D8				6.113	5.863	5.740	6.143	5.801	6.598	6.911	6.167	7.10
54)		2-hexanone				2.079	2.580	2.775	3.063	3.428	3.906	3.812	3.092	21.63
55)		dibromochloromethane	3.171	3.059	3.195	2.841	2.957	2.959	3.014	3.346	3.805	3.589	3.194	9.56
56)	C	1,2-dibromoethane	3.041	3.095	3.138	2.774	2.936	2.860	2.866	3.185	3.603	3.505	3.100	8.83
57)	C	tetrachloroethene	3.426	2.834	2.882	2.453	2.556	2.462	2.457	2.711	2.967	2.833	2.758	11.01
58)		1,1,1,2-tetrachloroethane	3.196	2.834	2.848	2.351	2.462	2.470	2.623	2.907	3.076	2.873	2.764	10.06
59)	C	chlorobenzene	6.007	5.689	5.737	4.962	5.156	5.039	5.070	5.591	6.188	5.954	5.539	8.13
60)	C	ethylbenzene	0.997	0.955	0.951	0.813	0.857	0.851	0.864	0.961	1.037	0.958	0.924	7.90
61)	C	m+p-xylene	8.375	7.174	7.502	6.454	6.839	6.753	6.892	7.660	8.172	7.501	7.332	8.53
62)	C	bromoform	2.104	2.219	2.157	1.945	2.038	2.030	2.073	2.441	2.822	2.762	2.259	13.79
63)	C	styrene	5.083	4.641	4.796	4.437	4.762	4.802	5.041	5.752	6.457	6.302	5.207	13.65
64)	C	1,1,2,2-tetrachloroethane	5.629	5.012	5.217	4.405	4.624	4.492	4.416	4.933	5.447	5.131	4.931	8.84
65)	C	o-xylene	8.167	7.848	7.673	6.575	6.913	6.853	6.978	7.712	8.161	7.349	7.423	7.69
66)		1,2,3-Trichloropropane	3.544	3.229	3.352	2.922	3.120	3.101	3.230	3.566	3.762	3.613	3.344	8.04
67)	s	bromofluorobenzene				3.747	3.696	3.802	3.990	3.915	4.113	4.467	3.961	6.70
68)	C	isopropylbenzene				0.818	0.861	0.849	0.900	0.993	1.046	0.998	0.924	9.53
69)		Bromobenzene	4.108	4.062	4.242	3.976	4.261	4.240	4.352	4.850	5.010	4.784	4.388	8.22
70)		4-ethyl toluene	0.866	0.806	0.836	0.724	0.791	0.803	0.811	0.895	1.009	0.973	0.851	10.21
71)		1,3,5-trimethylbenzene	8.874	7.597	7.571	6.696	7.127	7.090	7.218	7.941	8.608	8.287	7.701	9.26
72)		tert-butylbenzene				7.454	8.125	8.056	8.336	9.040	9.317	8.654	8.426	7.51

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Stantec**	**Lab Number**	**: L2577500**
Project Name	**: BELLE HARBOR**	**Project Number**	**: 195601412**
Instrument ID	**: AIRLAB17**	**Ical Ref**	**: ICAL22799**
Calibration dates	**: 11/05/25 23:54 11/06/25 05:34**		

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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	8.843	7.475	7.593	6.469	7.125	7.132	7.296	8.142	8.906	8.410	7.739	10.41
74)	C	Benzyl Chloride			3.541	3.256	4.137	4.380	5.024	6.039	7.302	7.131	5.101	30.67
75)		1,3-dichlorobenzene	3.643	3.870	4.056	3.722	4.176	4.220	4.544	5.072	5.718	5.657	4.468	17.11
76)	C	1,4-dichlorobenzene	4.071	3.904	4.204	3.673	4.186	4.201	4.406	5.051	5.644	5.565	4.491	15.31
77)		sec-butylbenzene				0.975	1.066	1.072	1.125	1.241	1.289	1.228	1.142	9.95
78)		p-isopropyltoluene				0.937	1.021	1.009	1.035	1.122	1.133	1.037	1.042	6.50
79)		1,2-dichlorobenzene	5.219	4.619	4.297	4.112	4.394	4.678	5.012	5.343	5.484	5.277	4.843	10.04
80)		n-butylbenzene				7.061	8.167	8.306	8.998	9.787	9.952	9.247	8.788	11.58
81)		1,2-dibromo-3-chloropr...	1.589	1.498	1.597	1.267	1.605	1.634	1.736	1.925	2.054	2.038	1.694	14.67
82)	C	1,2,4-trichlorobenzene		2.063	2.010	1.559	2.333	2.481	2.700	3.284	3.522	3.690	2.627	27.97
83)		naphthalene		0.959	0.876	0.796	0.932	0.967	1.024	1.188	1.143	1.148	1.004	13.28
84)		1,2,3-trichlorobenzene		2.377	2.419	1.655	2.519	2.659	2.774	3.373	3.217	3.422	2.713	20.84
85)	C	hexachlorobutadiene		2.661	2.531	1.841	2.485	2.477	2.277	2.581	2.592	2.664	2.457	10.54

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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						0.710	0.651	0.595	0.692	0.721	0.688	0.676	6.83
3)		dichlorodifluo...					1.468	1.553	1.534	1.525	1.591	1.476	1.352	1.500	5.19
4)	C	chloromethane					0.614	0.623	0.623	0.658	0.656	0.614	0.586	0.625	4.07
5)		Freon-114			1.947	1.969	1.633	1.719	1.717	1.764	1.763	1.633	1.539	1.743	8.14
6)	C	vinyl chloride	1.102	1.010	1.015	0.842	0.880	0.882	0.916	0.900	0.803	0.757	0.911		11.54
7)	C	1,3-butadiene	0.684	0.692	0.636	0.549	0.578	0.576	0.567	0.573	0.543	0.516	0.591		10.08
8)	C	bromomethane	0.777	0.795	0.791	0.621	0.670	0.667	0.662	0.688	0.619	0.582	0.687		11.03
9)	C	chloroethane			0.483	0.556	0.406	0.431	0.426	0.430	0.451	0.401	0.376	0.440	12.08
10)		ethanol							0.634	0.585	0.668	0.602	0.456	0.589	13.70
11)	C	vinyl bromide			0.738	0.779	0.619	0.660	0.634	0.623	0.689	0.743	0.727	0.690	8.57
12)	C	acrolein			0.517	0.523	0.357	0.380	0.377	0.391	0.448	0.452	0.431	0.431	14.00
13)		acetone					0.883	0.919	0.913	0.863	0.936	0.958	0.896	0.910	3.55
14)		trichlorofluor...			1.733	1.758	1.437	1.476	1.455	1.460	1.588	1.542	1.429	1.542	8.18
15)		isopropyl alcohol					0.946	1.049	1.012	0.967	1.061	1.168	1.123	1.047	7.65
16)	C	acrylonitrile					0.585	0.621	0.660	0.666	0.759	0.744	0.702	0.677	9.31

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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...	1.431	1.382	1.369	1.108	1.177	1.159	1.164	1.283	1.274	1.201	1.255	8.78
18)		tertiary butyl...					1.373	1.382	1.491	1.632	1.726	1.652	1.543	9.65
19)	C	methylene chlo...					0.850	0.829	0.808	0.875	0.850	0.796	0.835	3.54
20)	C	3-chloropropene		1.057	1.122	0.900	0.937	0.941	0.929	1.034	1.096	1.077	1.010	8.27
21)	C	carbon disulfide				1.741	1.899	1.871	1.830	2.025	2.132	2.048	1.935	7.11
22)		Freon 113		1.704	1.729	1.426	1.501	1.481	1.479	1.635	1.667	1.608	1.581	7.04
23)		trans-1,2-dich...	1.206	1.216	1.270	1.046	1.103	1.108	1.062	1.174	1.241	1.189	1.162	6.65
24)	C	1,1-dichloroet...	1.764	1.674	1.641	1.329	1.402	1.400	1.408	1.553	1.591	1.548	1.531	9.26
25)	C	MTBE	1.809	1.824	1.804	1.517	1.610	1.618	1.579	1.753	1.843	1.793	1.715	7.03
26)	C	vinyl acetate					1.265	1.277	1.279	1.578	1.716	1.774	1.482	15.97
27)	C	2-butanone					1.276	1.287	1.311	1.465	1.548	1.510	1.400	8.71
28)		cis-1,2-dichlo...	1.260	1.263	1.240	1.038	1.111	1.104	1.107	1.221	1.243	1.189	1.178	6.85
29)		Ethyl Acetate					0.229	0.242	0.257	0.294	0.326	0.318	0.278	14.66
30)	C	chloroform	1.725	1.645	1.626	1.339	1.389	1.400	1.377	1.481	1.431	1.326	1.474	9.58
31)		Tetrahydrofuran					0.684	0.698	0.702	0.795	0.849	0.837	0.761	9.86
32)	C	1,2-dichloroet...	1.105	1.109	1.082	0.853	0.892	0.900	0.884	0.964	0.943	0.877	0.961	10.45

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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				0.452	0.478	0.460	0.411	0.479	0.507	0.435	0.460	6.84
35)	s	1,2-dichloroet...				0.253	0.251	0.236	0.224	0.256	0.260	0.236	0.245	5.36
36)	C	1,1,1-trichlor...	0.527	0.491	0.463	0.397	0.425	0.412	0.392	0.454	0.501	0.435	0.450	10.19
37)	C	benzene		0.914	0.913	0.785	0.812	0.792	0.748	0.867	0.897	0.798	0.836	7.44
38)	C	carbon tetrach...	0.394	0.392	0.417	0.360	0.395	0.385	0.366	0.424	0.430	0.382	0.395	5.88
39)		cyclohexane				0.479	0.490	0.478	0.436	0.508	0.539	0.476	0.487	6.53
40)		Dibromomethane		0.340	0.365	0.299	0.299	0.287	0.279	0.327	0.331	0.291	0.313	9.16
41)	C	1,2-dichloropr...	0.323	0.389	0.362	0.310	0.321	0.308	0.296	0.351	0.378	0.349	0.339	9.38
42)		bromodichlorom...	0.460	0.492	0.484	0.415	0.441	0.432	0.401	0.467	0.492	0.432	0.452	7.13
43)	C	1,4-dioxane			0.195	0.183	0.185	0.178	0.172	0.206	0.227	0.205	0.194	9.33
44)	C	trichloroethene	0.596	0.426	0.452	0.391	0.404	0.407	0.397	0.456	0.467	0.415	0.441	13.70
45)	C	2,2,4-trimethy...				1.445	1.533	1.491	1.332	1.548	1.641	1.428	1.488	6.67
46)		heptane				0.436	0.463	0.445	0.414	0.484	0.521	0.471	0.462	7.52
47)	C	cis-1,3-dichlo...	0.338	0.353	0.361	0.323	0.354	0.343	0.333	0.395	0.425	0.391	0.362	8.92
48)	C	4-methyl-2-pen...					0.488	0.499	0.486	0.579	0.631	0.576	0.543	11.14

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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...	0.295	0.233	0.230	0.212	0.249	0.249	0.237	0.282	0.308	0.283	0.258	12.44
50)	C	1,1,2-trichlor...	0.440	0.349	0.390	0.317	0.336	0.334	0.317	0.377	0.400	0.364	0.362	10.97
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			7.746	6.822	6.982	6.788	6.816	7.420	7.990	7.417	7.248	6.40
53)	s	toluene-D8				6.113	5.863	5.740	6.143	5.801	6.598	6.911	6.167	7.10
54)		2-hexanone				2.079	2.580	2.775	3.063	3.428	3.906	3.812	3.092	21.63
55)		dibromochlorom...	3.171	3.059	3.195	2.841	2.957	2.959	3.014	3.346	3.805	3.589	3.194	9.56
56)	C	1,2-dibromoethane	3.041	3.095	3.138	2.774	2.936	2.860	2.866	3.185	3.603	3.505	3.100	8.83
57)	C	tetrachloroethene	3.426	2.834	2.882	2.453	2.556	2.462	2.457	2.711	2.967	2.833	2.758	11.01
58)		1,1,1,2-tetrac...	3.196	2.834	2.848	2.351	2.462	2.470	2.623	2.907	3.076	2.873	2.764	10.06
59)	C	chlorobenzene	6.007	5.689	5.737	4.962	5.156	5.039	5.070	5.591	6.188	5.954	5.539	8.13
60)	C	ethylbenzene	0.997	0.955	0.951	0.813	0.857	0.851	0.864	0.961	1.037	0.958	0.924	7.90
61)	C	m+p-xylene	8.375	7.174	7.502	6.454	6.839	6.753	6.892	7.660	8.172	7.501	7.332	8.53
62)	C	bromoform	2.104	2.219	2.157	1.945	2.038	2.030	2.073	2.441	2.822	2.762	2.259	13.79
63)	C	styrene	5.083	4.641	4.796	4.437	4.762	4.802	5.041	5.752	6.457	6.302	5.207	13.65
64)	C	1,1,2,2-tetrac...	5.629	5.012	5.217	4.405	4.624	4.492	4.416	4.933	5.447	5.131	4.931	8.84

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_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	8.167	7.848	7.673	6.575	6.913	6.853	6.978	7.712	8.161	7.349	7.423	7.69
66)		1,2,3-Trichlor...	3.544	3.229	3.352	2.922	3.120	3.101	3.230	3.566	3.762	3.613	3.344	8.04
67)	s	bromofluoroben...				3.747	3.696	3.802	3.990	3.915	4.113	4.467	3.961	6.70
68)	C	isopropylbenzene				0.818	0.861	0.849	0.900	0.993	1.046	0.998	0.924	9.53
69)		Bromobenzene	4.108	4.062	4.242	3.976	4.261	4.240	4.352	4.850	5.010	4.784	4.388	8.22
70)		4-ethyl toluene	0.866	0.806	0.836	0.724	0.791	0.803	0.811	0.895	1.009	0.973	0.851	10.21
71)		1,3,5-trimethy...	8.874	7.597	7.571	6.696	7.127	7.090	7.218	7.941	8.608	8.287	7.701	9.26
72)		tert-butylbenzene				7.454	8.125	8.056	8.336	9.040	9.317	8.654	8.426	7.51
73)		1,2,4-trimethy...	8.843	7.475	7.593	6.469	7.125	7.132	7.296	8.142	8.906	8.410	7.739	10.41
74)	C	Benzyl Chloride			3.541	3.256	4.137	4.380	5.024	6.039	7.302	7.131	5.101	30.67
#														
75)		1,3-dichlorobe...	3.643	3.870	4.056	3.722	4.176	4.220	4.544	5.072	5.718	5.657	4.468	17.11
76)	C	1,4-dichlorobe...	4.071	3.904	4.204	3.673	4.186	4.201	4.406	5.051	5.644	5.565	4.491	15.31
77)		sec-butylbenzene				0.975	1.066	1.072	1.125	1.241	1.289	1.228	1.142	9.95
78)		p-isopropyltol...				0.937	1.021	1.009	1.035	1.122	1.133	1.037	1.042	6.50
79)		1,2-dichlorobe...	5.219	4.619	4.297	4.112	4.394	4.678	5.012	5.343	5.484	5.277	4.843	10.04
80)		n-butylbenzene				7.061	8.167	8.306	8.998	9.787	9.952	9.247	8.788	11.58

Response Factor Report

Method Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Method File : TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025
Response Via : Initial Calibration

Calibration Files
0.02=r1752220_Ev2.D 0.05=r1752221_Ev2.D 0.1 =r1752222_Ev2.D 0.2 =r1752223_Ev2.D 0.5 =r1752224_Ev2.D
1.0 =r1752225_Ev2.D 5.0 =r1752226_Ev2.D 10.0=r1752227_Ev2.D 20.0=r1752228_Ev2.D 50.0=r1752229_Ev2.D

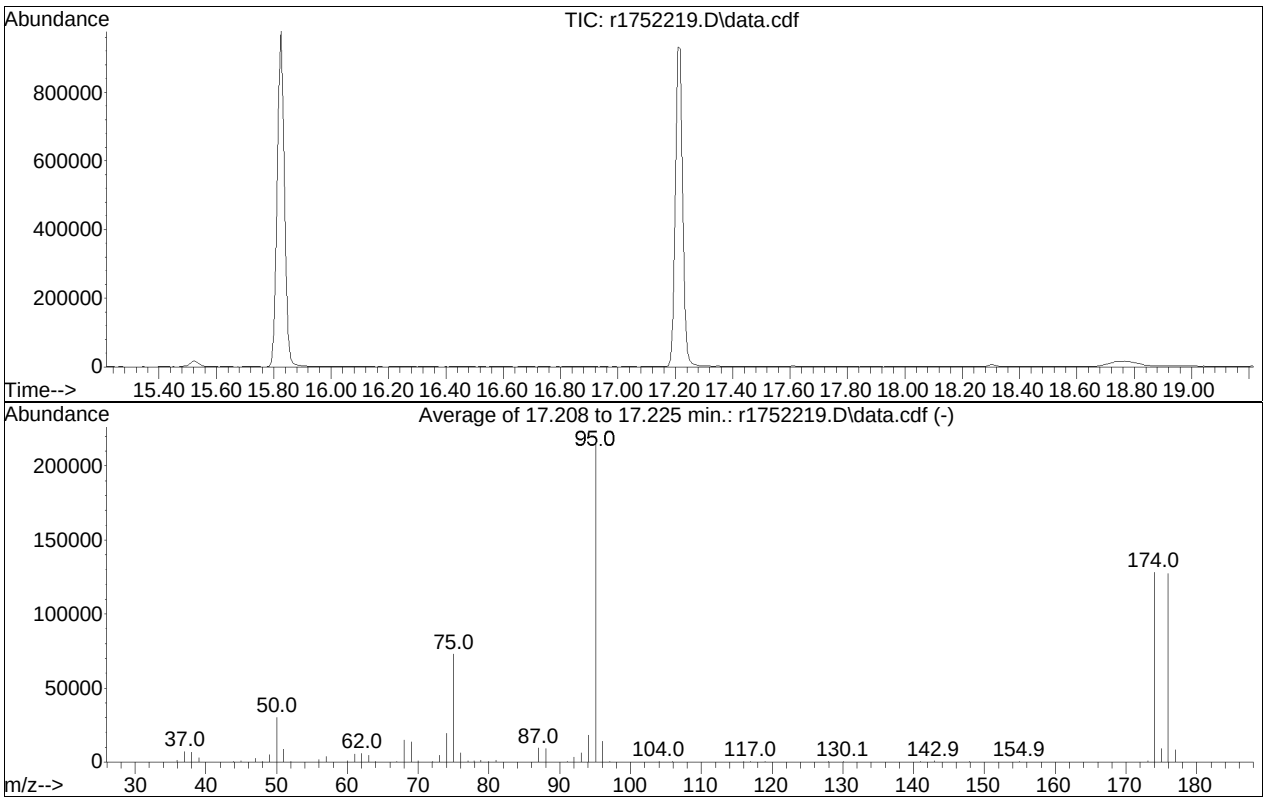
		Compound	0.02	0.05	0.1	0.2	0.5	1.0	5.0	10.0	20.0	50.0	Avg	%RSD
81)		1,2-dibromo-3-...	1.589	1.498	1.597	1.267	1.605	1.634	1.736	1.925	2.054	2.038	1.694	14.67
82)	C	1,2,4-trichlor...		2.063	2.010	1.559	2.333	2.481	2.700	3.284	3.522	3.690	2.627	27.97
83)		naphthalene		0.959	0.876	0.796	0.932	0.967	1.024	1.188	1.143	1.148	1.004	13.28
84)		1,2,3-trichlor...		2.377	2.419	1.655	2.519	2.659	2.774	3.373	3.217	3.422	2.713	20.84
85)	C	hexachlorobuta...		2.661	2.531	1.841	2.485	2.477	2.277	2.581	2.592	2.664	2.457	10.54

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752219.D
Acq On : 5 Nov 2025 11:19 PM
Operator : AIRLAB17:BJB
Sample : WG2138292-1,3,250,250
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\11\1105T_I\TFS17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:01:34 2025



Spectrum Information: Average of 17.208 to 17.225 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.0	30110	PASS
75	95	30	66	33.8	72915	PASS
95	95	100	100	100.0	215760	PASS
96	95	5	9	6.5	14037	PASS
173	174	0.00	2	0.7	890	PASS
174	95	50	120	59.4	128138	PASS
175	174	4	9	7.2	9227	PASS
176	174	93	101	99.4	127312	PASS
177	176	5	9	6.5	8325	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752220_Ev2.D
Acq On : 5 Nov 2025 11:54 PM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:06:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	178245	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 97.39%			
33) 1,4-difluorobenzene	11.070	114	545072	10.000	ppbV	0.02
Standard Area = 596044			Recovery = 91.45%			
51) chlorobenzene-D5	15.817	54	80570	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 91.87%			
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	13.925	98	214	0.004	ppbV	0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.04%#			
67) bromofluorobenzene	17.225	95	604	0.019	ppbV	0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.19%#			
Target Compounds						Qvalue
2) propylene	3.832	41	740M6	0.070	ppbV	
3) dichlorodifluoromethane	3.898	85	636	0.023	ppbV	97
4) chloromethane	4.060	50	342M3	0.029	ppbV	
5) Freon-114	4.156	85	796	0.025	ppbV	96
6) vinyl chloride	4.276	62	393	0.024	ppbV #	77
7) 1,3-butadiene	4.408	54	244	0.024	ppbV #	1
8) bromomethane	4.684	94	277	0.023	ppbV	90
9) chloroethane	4.858	64	212	0.028	ppbV #	83
10) ethanol	4.996	31	1832	0.176	ppbV	90
11) vinyl bromide	5.227	106	292M4	0.026	ppbV	
12) acrolein	5.367	56	243M4	0.035	ppbV	
13) acetone	5.513	43	2918	0.190	ppbV #	90
14) trichlorofluoromethane	5.673	101	626M4	0.024	ppbV	
15) isopropyl alcohol	5.780	45	1583	0.092	ppbV #	95
16) acrylonitrile	6.000	53	232M4	0.020	ppbV	
17) 1,1-dichloroethene	6.354	61	510	0.025	ppbV #	86
18) tertiary butyl alcohol	6.438	59	880	0.033	ppbV #	92
19) methylene chloride	6.486	49	712	0.049	ppbV	99
20) 3-chloropropene	6.618	41	401	0.024	ppbV #	81
21) carbon disulfide	6.792	76	781	0.024	ppbV #	1
22) Freon 113	6.792	101	669	0.025	ppbV	94
23) trans-1,2-dichloroethene	7.517	61	430	0.023	ppbV	89
24) 1,1-dichloroethane	7.733	63	629	0.025	ppbV	92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752220_Ev2.D
Acq On : 5 Nov 2025 11:54 PM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:06:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.850	73	645	0.023	ppbV	#	81
26) vinyl acetate	7.942	43	547M3	0.024	ppbV		
27) 2-butanone	8.225	43	546	0.023	ppbV	#	94
28) cis-1,2-dichloroethene	8.675	61	449	0.023	ppbV		87
29) Ethyl Acetate	9.025	61	161M3	0.035	ppbV		
30) chloroform	9.008	83	615	0.025	ppbV	#	87
31) Tetrahydrofuran	9.508	42	359	0.029	ppbV	#	91
32) 1,2-dichloroethane	9.833	62	394	0.025	ppbV	#	86
34) hexane	8.933	57	678	0.030	ppbV	#	25
36) 1,1,1-trichloroethane	10.125	97	575	0.027	ppbV	#	97
37) benzene	10.643	78	1186	0.029	ppbV		93
38) carbon tetrachloride	10.810	117	429	0.021	ppbV	#	85
39) cyclohexane	10.963	56	716	0.030	ppbV	#	87
40) Dibromomethane	11.557	93	543M4	0.036	ppbV		
41) 1,2-dichloropropane	11.583	63	352	0.022	ppbV	#	64
42) bromodichloromethane	11.810	83	502	0.023	ppbV	#	86
43) 1,4-dioxane	11.897	88	258M4	0.028	ppbV		
44) trichloroethene	11.863	130	650	0.030	ppbV		95
45) 2,2,4-trimethylpentane	11.923	57	1885	0.026	ppbV	#	90
46) heptane	12.237	43	590M4	0.026	ppbV		
47) cis-1,3-dichloropropene	12.883	75	369	0.020	ppbV	#	63
48) 4-methyl-2-pentanone	12.992	43	340	0.013	ppbV	#	88
49) trans-1,3-dichloropropene	13.517	75	322	0.025	ppbV	#	45
50) 1,1,2-trichloroethane	13.708	97	480	0.028	ppbV		95
52) toluene	14.033	91	1467	0.027	ppbV		90
54) 2-hexanone	0.000		0	N.D.			
55) dibromochloromethane	14.492	129	511M4	0.021	ppbV		
56) 1,2-dibromoethane	14.750	107	490M4	0.021	ppbV		
57) tetrachloroethene	15.217	166	552	0.028	ppbV		94
58) 1,1,1,2-tetrachloroethane	15.850	131	515	0.024	ppbV		94
59) chlorobenzene	15.858	112	968	0.024	ppbV		91
60) ethylbenzene	16.225	91	1607	0.023	ppbV		98
61) m+p-xylene	16.392	91	2699	0.049	ppbV		99
62) bromoform	16.458	173	339	0.020	ppbV		99
63) styrene	16.725	104	819	0.020	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.808	83	907	0.025	ppbV		97
65) o-xylene	16.808	91	1316	0.023	ppbV		92
66) 1,2,3-Trichloropropane	16.933	75	571	0.022	ppbV		95
68) isopropylbenzene	17.333	105	1674	0.023	ppbV		95
69) Bromobenzene	17.408	77	662M4	0.019	ppbV		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752220_Ev2.D
Acq On : 5 Nov 2025 11:54 PM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:06:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

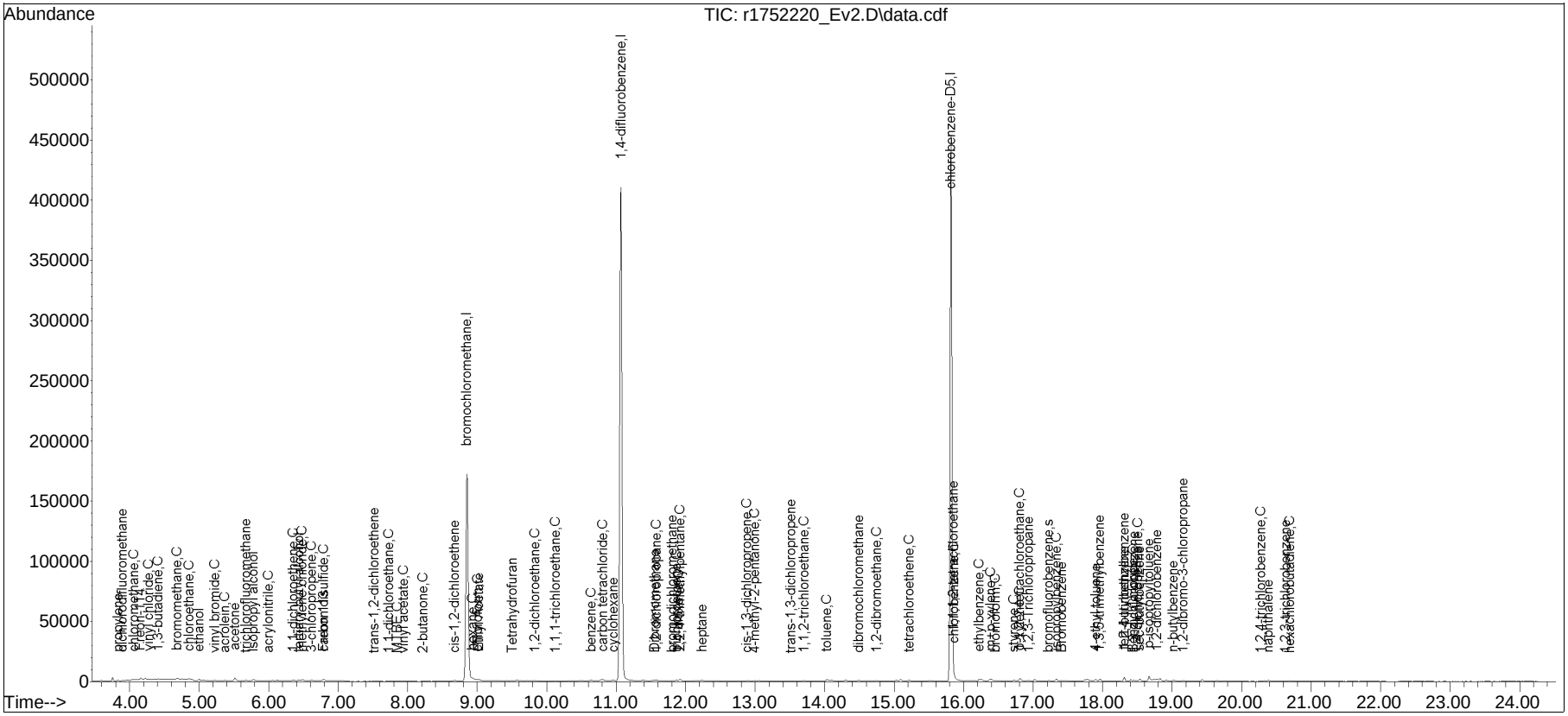
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.900	105	1396	0.021	ppbV #	92
71) 1,3,5-trimethylbenzene	17.958	105	1430	0.025	ppbV #	96
72) tert-butylbenzene	18.308	119	1546	0.023	ppbV	94
73) 1,2,4-trimethylbenzene	18.308	105	1425	0.024	ppbV	93
74) Benzyl Chloride	18.442	91	475	0.012	ppbV	95
75) 1,3-dichlorobenzene	18.450	146	587M3	0.016	ppbV	
76) 1,4-dichlorobenzene	18.508	146	656M4	0.018	ppbV	
77) sec-butylbenzene	18.533	105	1953	0.022	ppbV	96
78) p-isopropyltoluene	18.667	119	1948	0.023	ppbV	99
79) 1,2-dichlorobenzene	18.783	146	841	0.021	ppbV #	87
80) n-butylbenzene	19.017	91	1283	0.018	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.158	75	256	0.018	ppbV #	72
82) 1,2,4-trichlorobenzene	20.275	180	264	0.012	ppbV #	86
83) naphthalene	20.383	128	2507	0.030	ppbV #	96
84) 1,2,3-trichlorobenzene	20.633	180	439	0.020	ppbV	96
85) hexachlorobutadiene	20.692	225	491	0.027	ppbV #	89

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752220_Ev2.D
Acq On : 5 Nov 2025 11:54 PM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.02
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

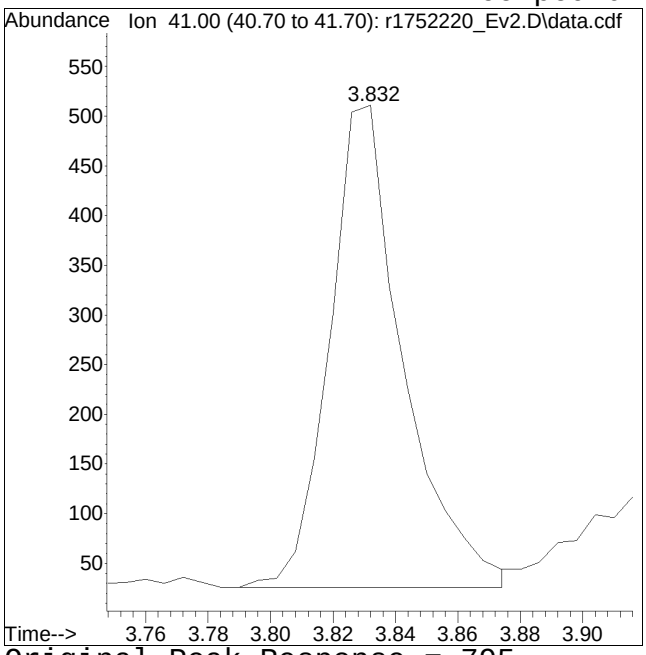
Quant Time: Nov 06 05:06:59 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



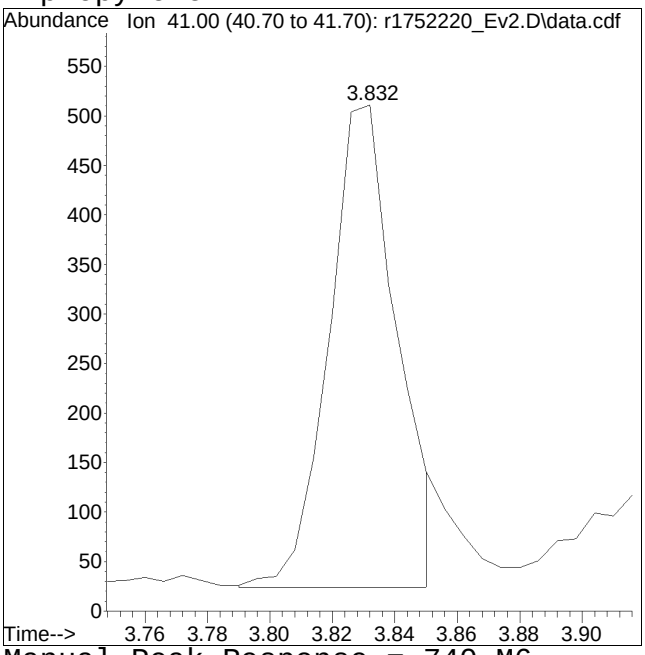
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #2: propylene



Original Peak Response = 795



Manual Peak Response = 740 M6

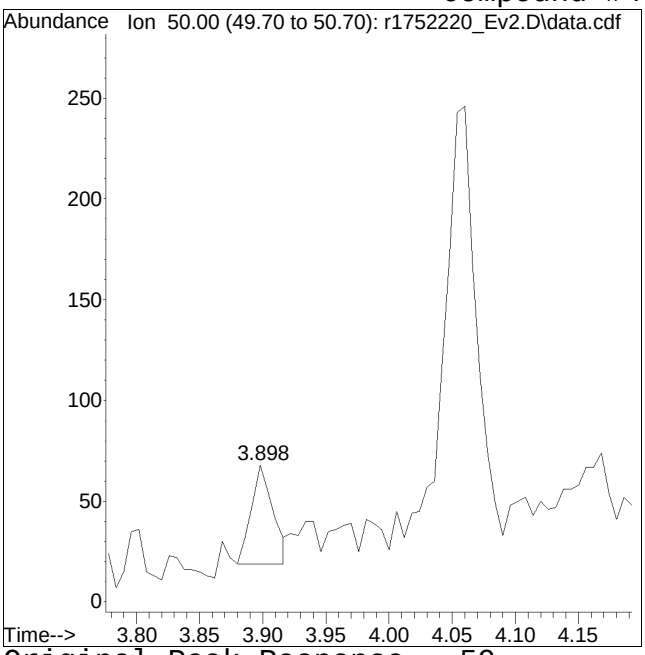
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

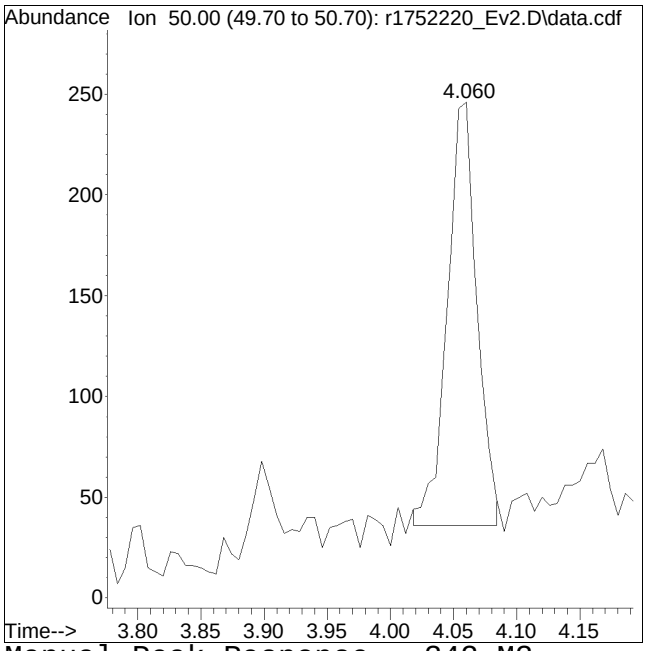
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752220_Ev2.D
Date Inj'd : 11/5/2025 11:54 PM
Sample : ITO15-SIMSTD0.02

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:06 am

Compound #4: chloromethane



Original Peak Response = 59



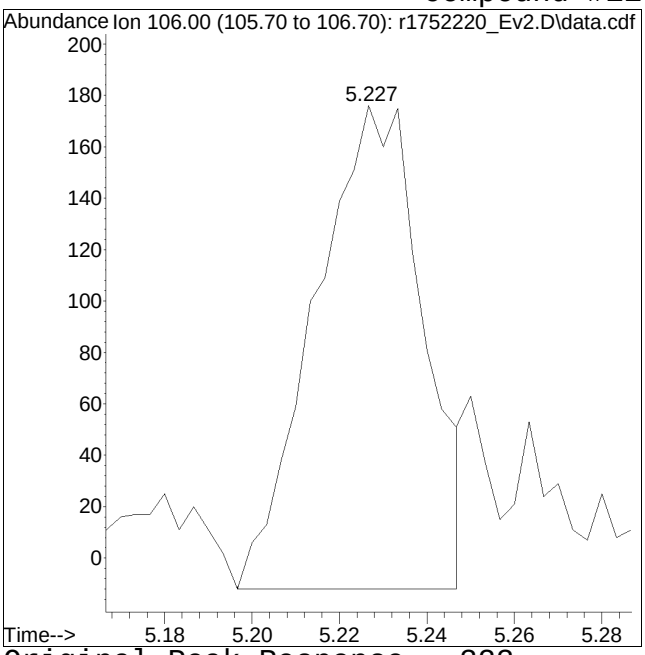
Manual Peak Response = 342 M3

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.

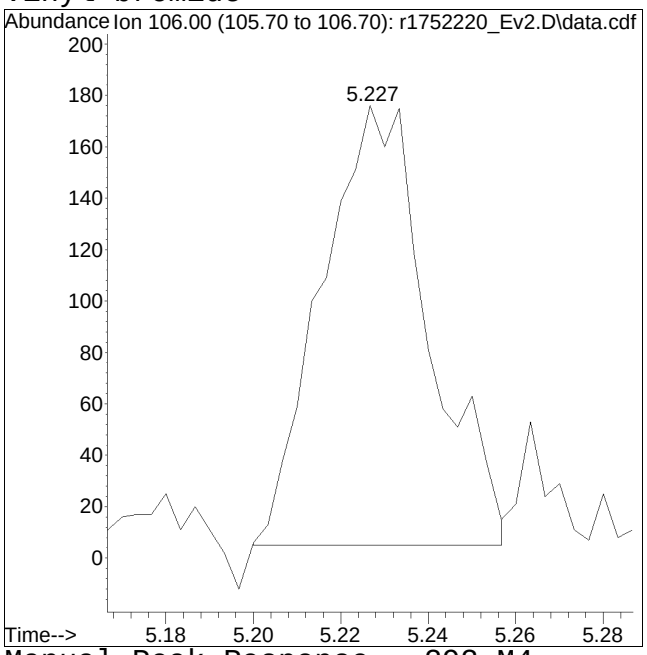
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #11: vinyl bromide



Original Peak Response = 323



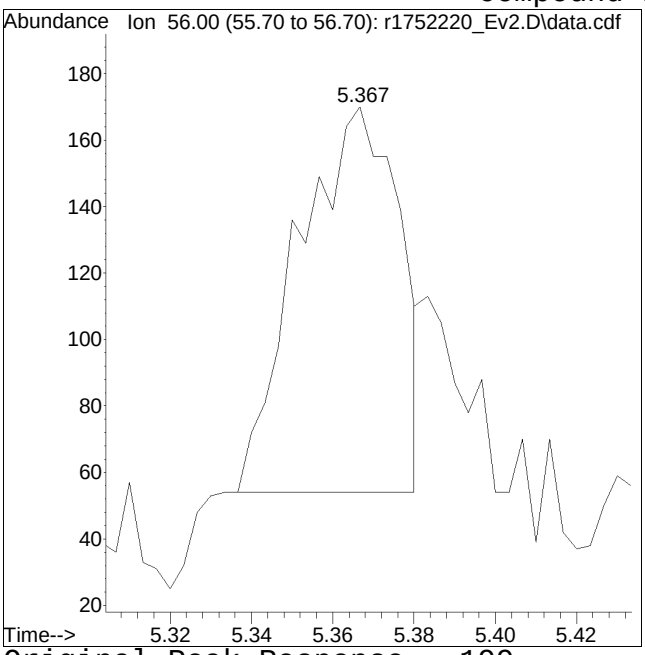
Manual Peak Response = 292 M4

M4 = Poor automated baseline construction.

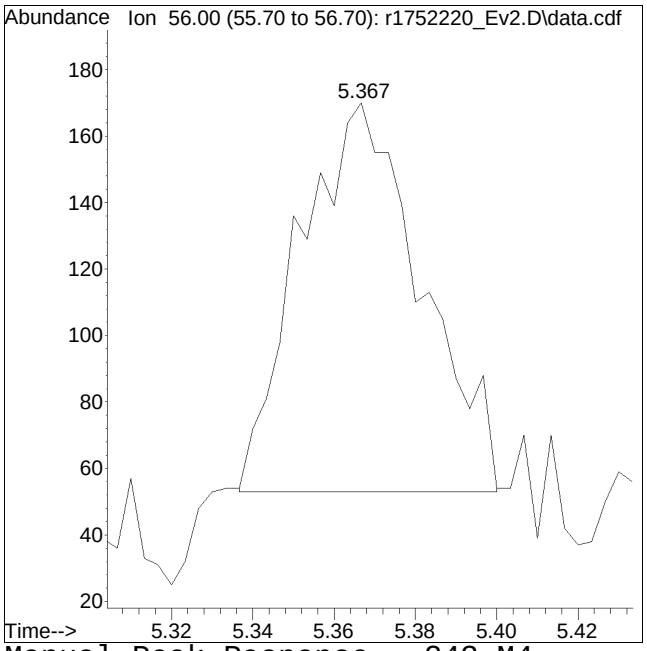
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #12: acrolein



Original Peak Response = 199



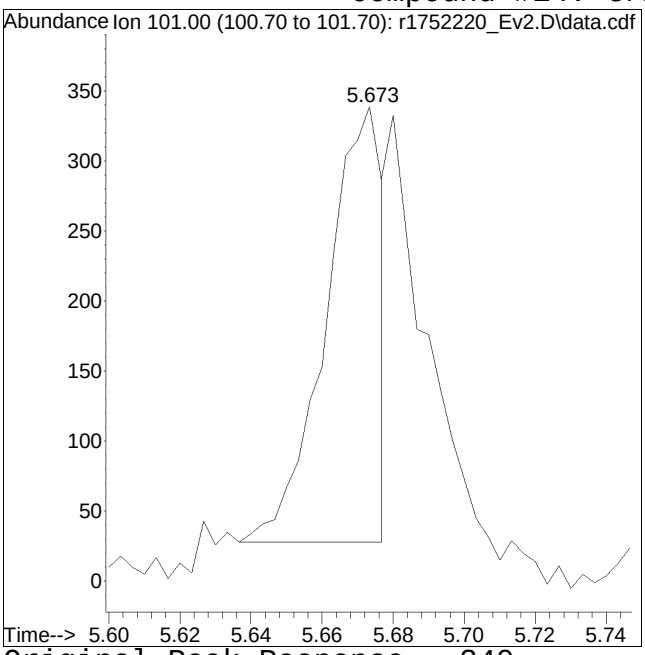
Manual Peak Response = 243 M4

M4 = Poor automated baseline construction.

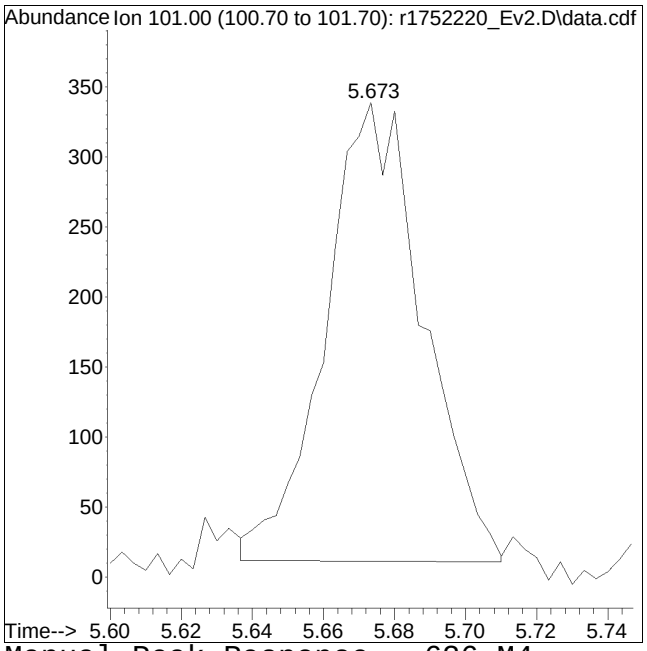
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #14: trichlorofluoromethane



Original Peak Response = 340



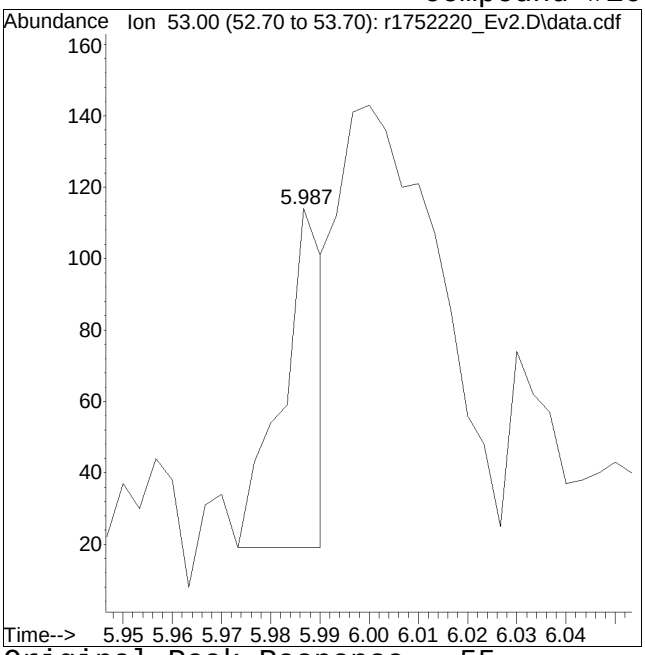
Manual Peak Response = 626 M4

M4 = Poor automated baseline construction.

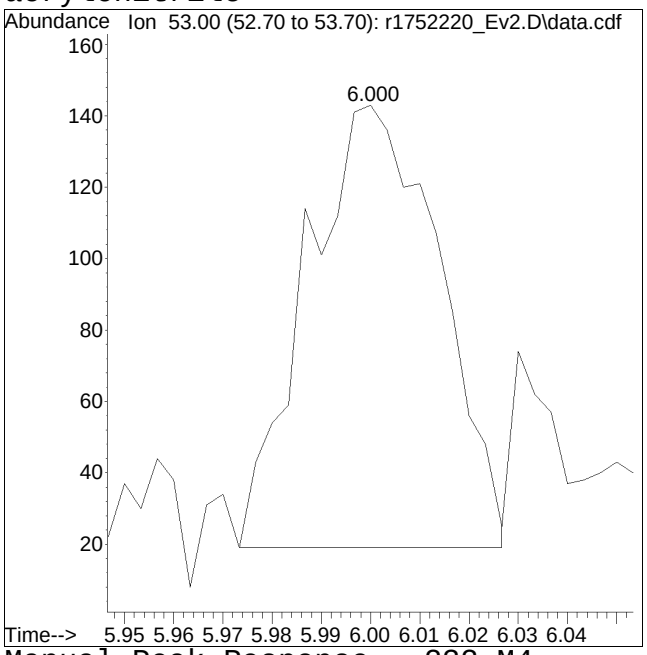
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #16: acrylonitrile



Original Peak Response = 55



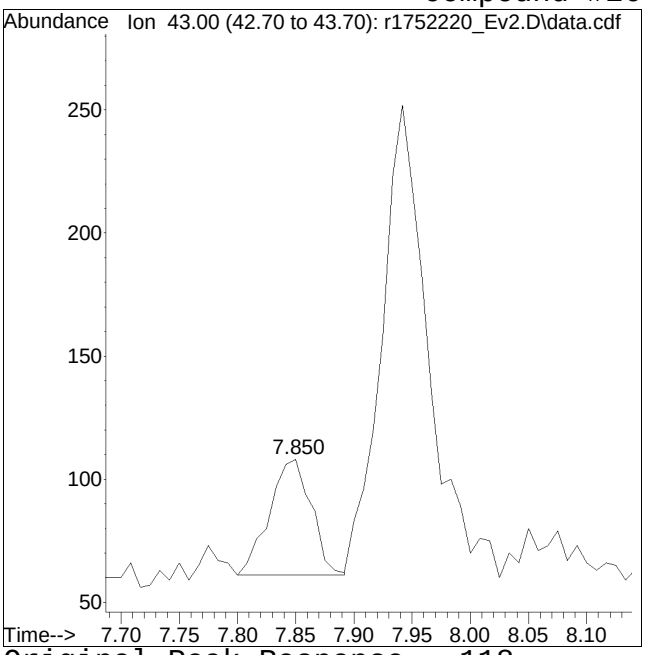
Manual Peak Response = 232 M4

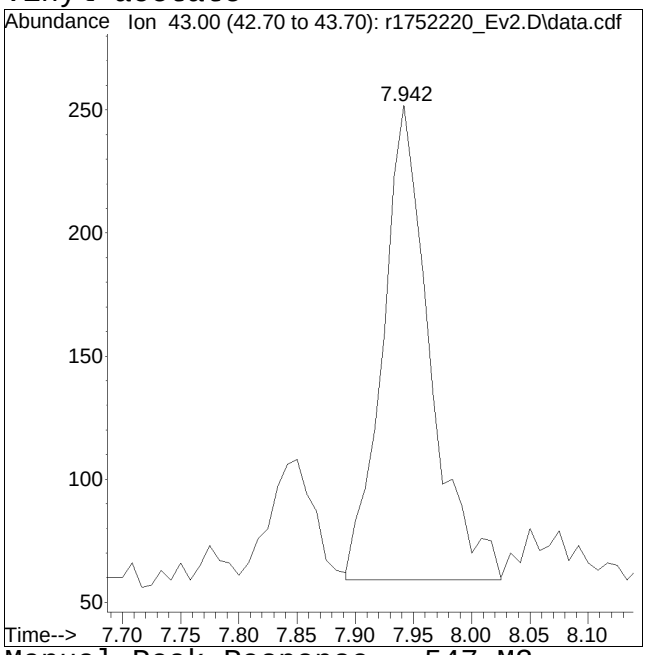
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #26: vinyl acetate





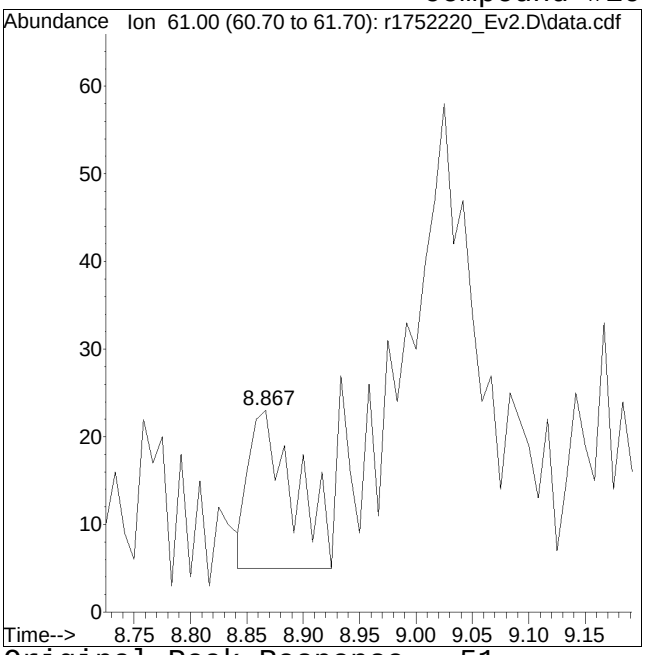
Original Peak Response = 118 Manual Peak Response = 547 M3

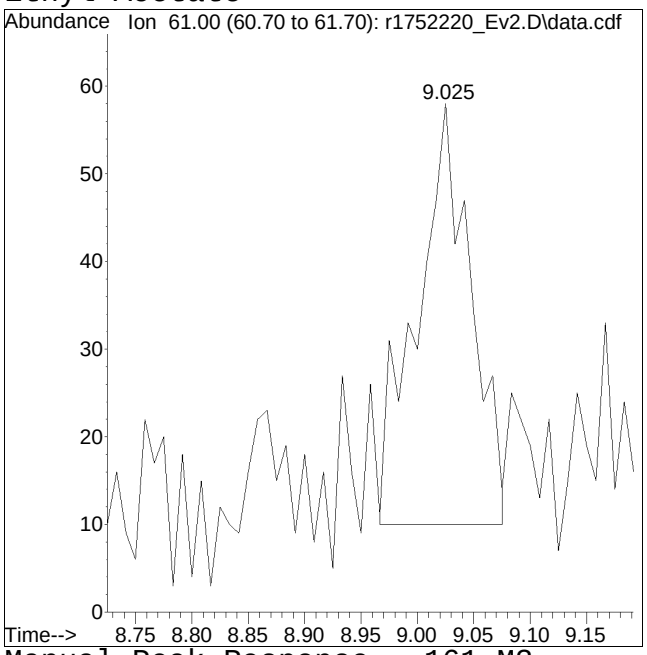
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #29: Ethyl Acetate





Original Peak Response = 51 Manual Peak Response = 161 M3

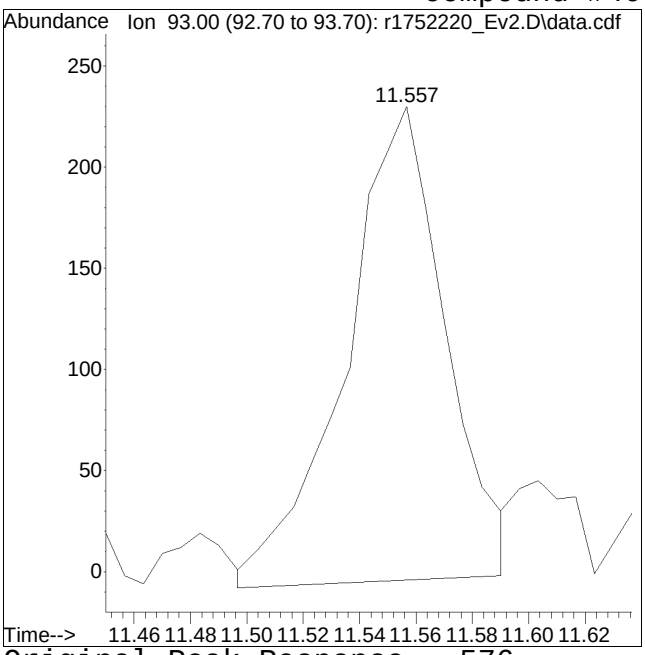
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

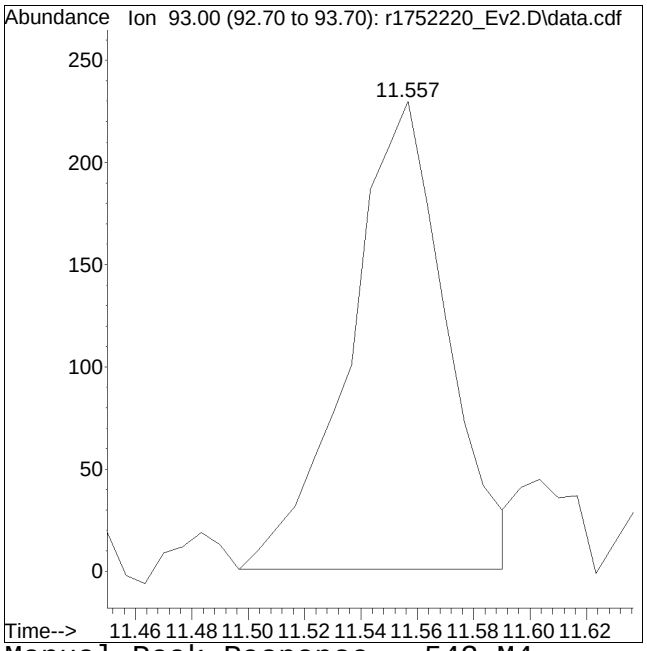
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752220_Ev2.D
Date Inj'd : 11/5/2025 11:54 PM
Sample : ITO15-SIMSTD0.02

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:06 am

Compound #40: Dibromomethane



Original Peak Response = 576



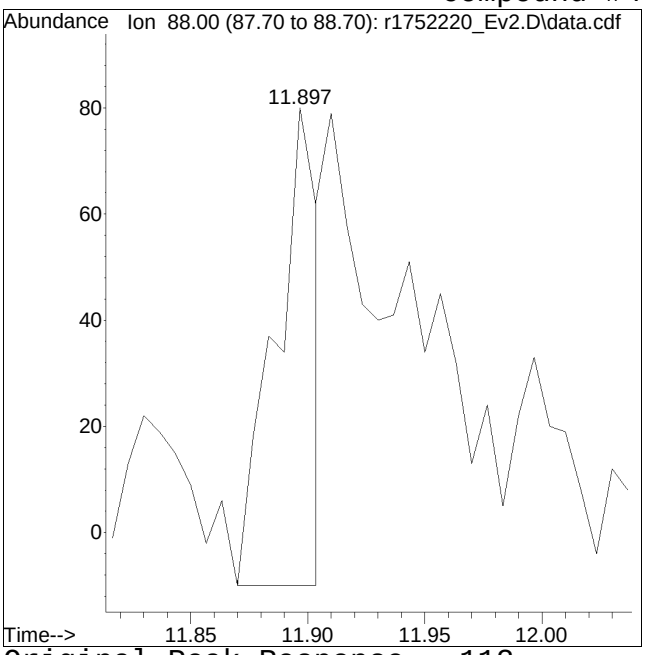
Manual Peak Response = 543 M4

M4 = Poor automated baseline construction.

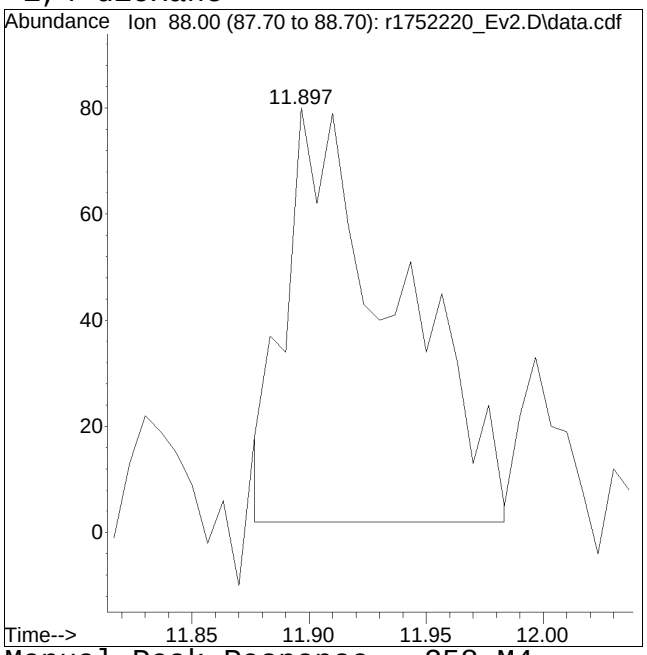
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #43: 1,4-dioxane



Original Peak Response = 112



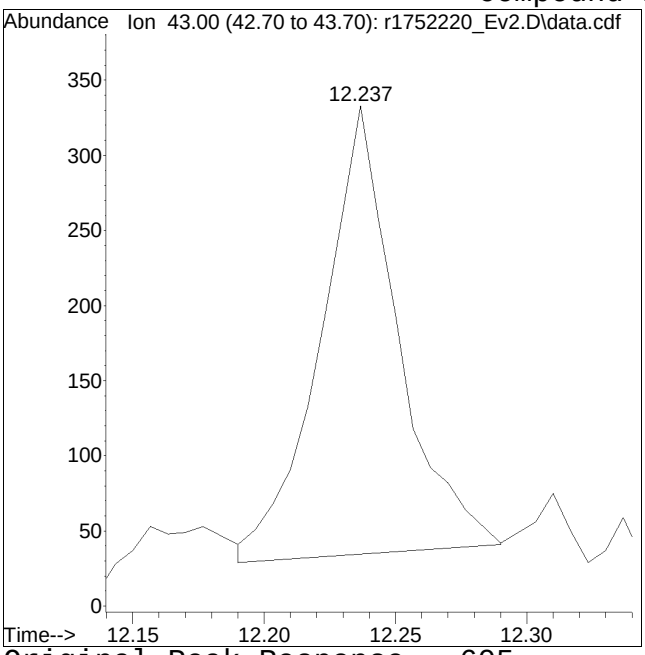
Manual Peak Response = 258 M4

M4 = Poor automated baseline construction.

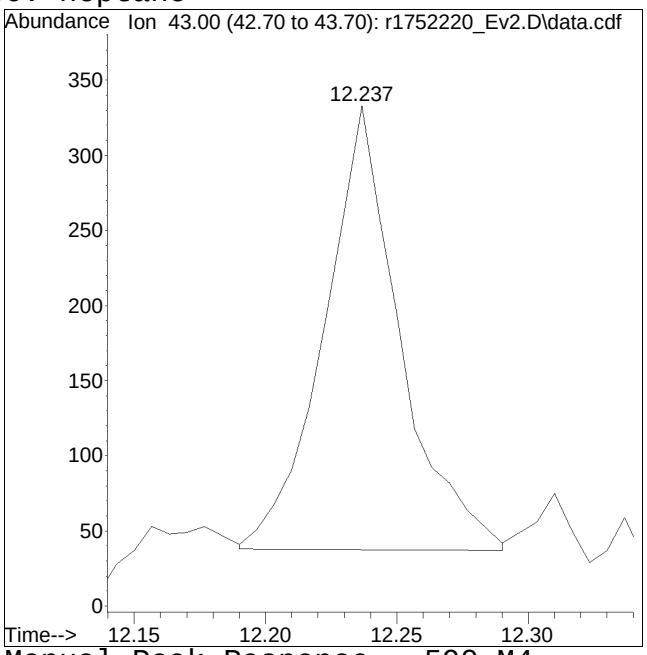
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #46: heptane



Original Peak Response = 605



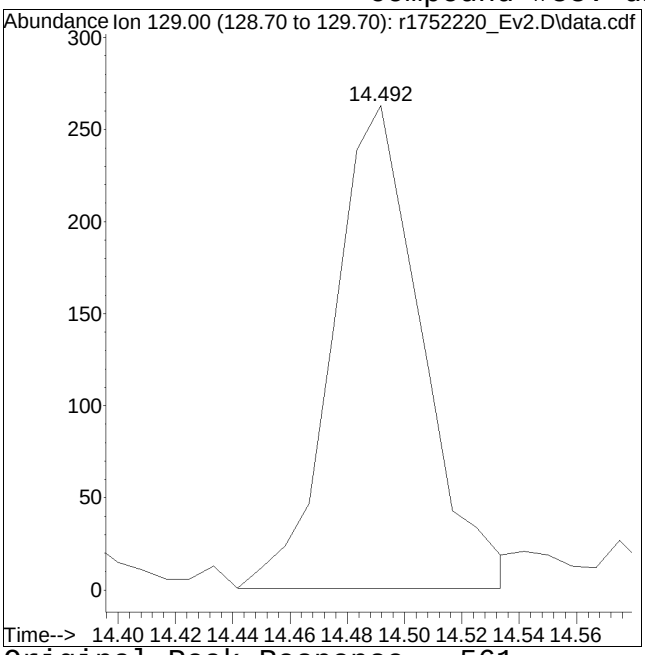
Manual Peak Response = 590 M4

M4 = Poor automated baseline construction.

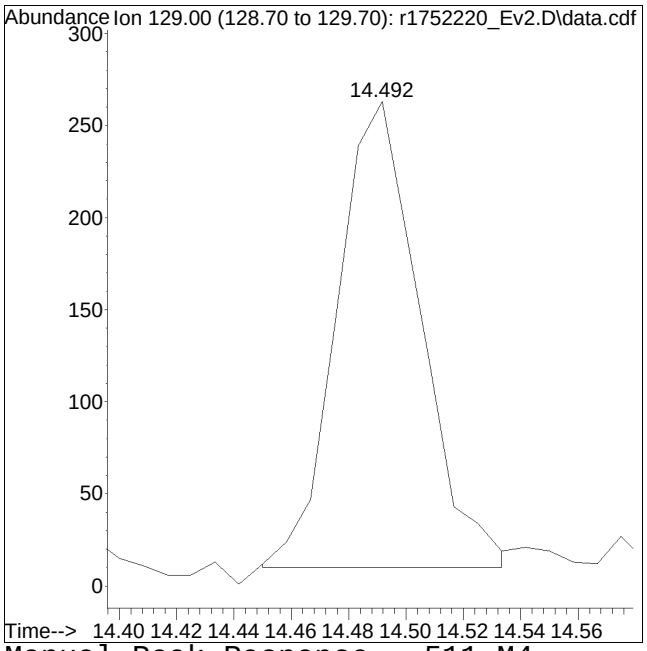
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #55: dibromochloromethane



Original Peak Response = 561



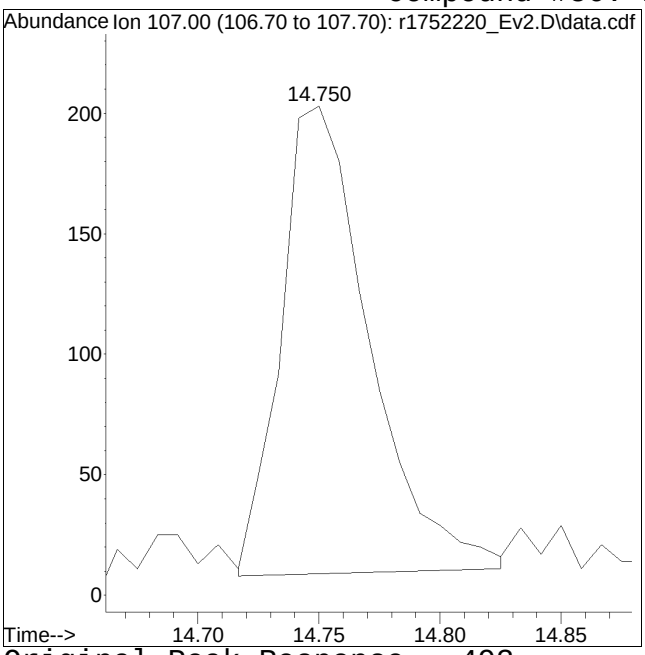
Manual Peak Response = 511 M4

M4 = Poor automated baseline construction.

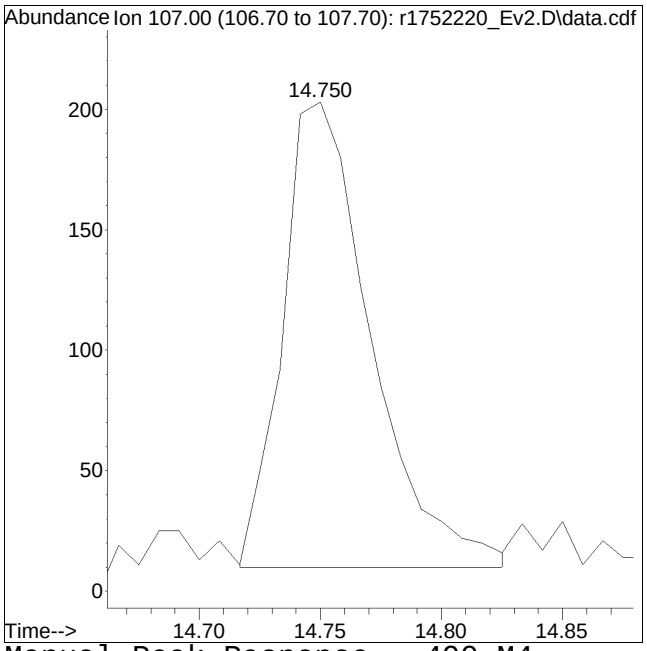
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #56: 1,2-dibromoethane



Original Peak Response = 493



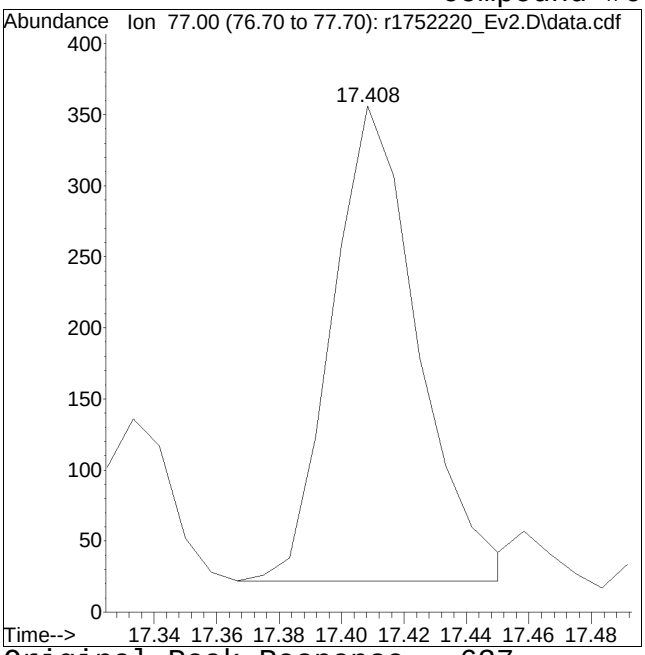
Manual Peak Response = 490 M4

M4 = Poor automated baseline construction.

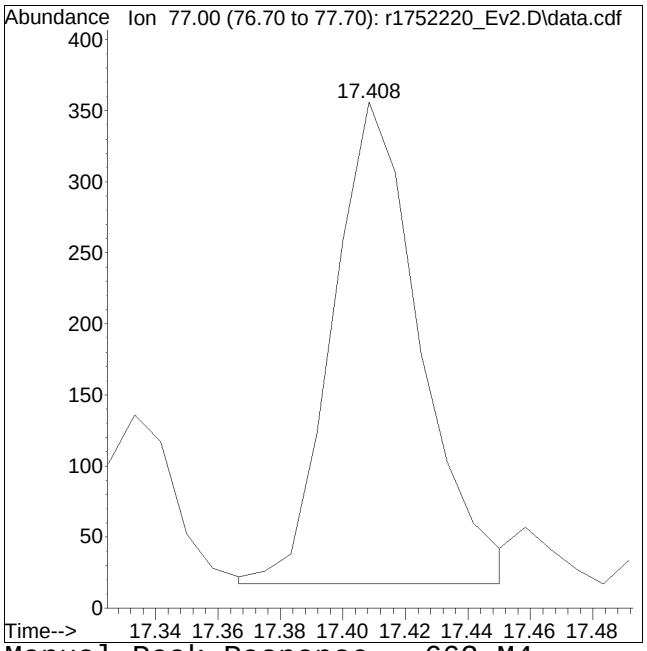
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #69: Bromobenzene



Original Peak Response = 637



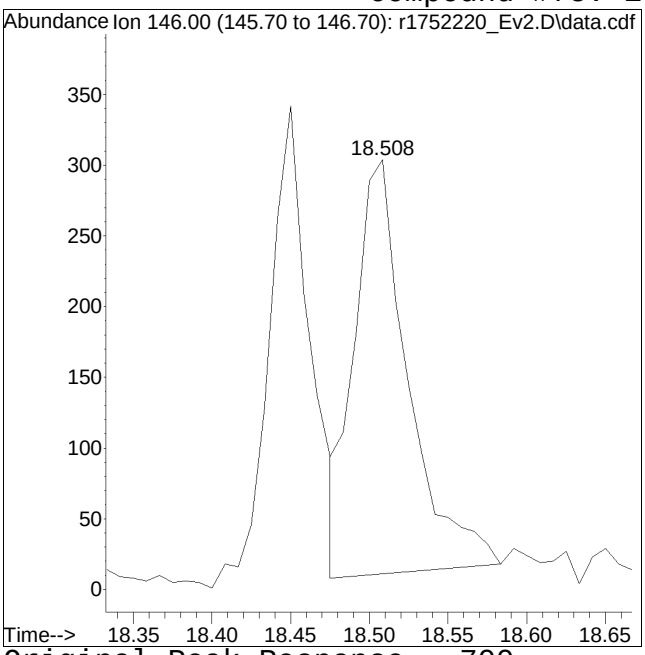
Manual Peak Response = 662 M4

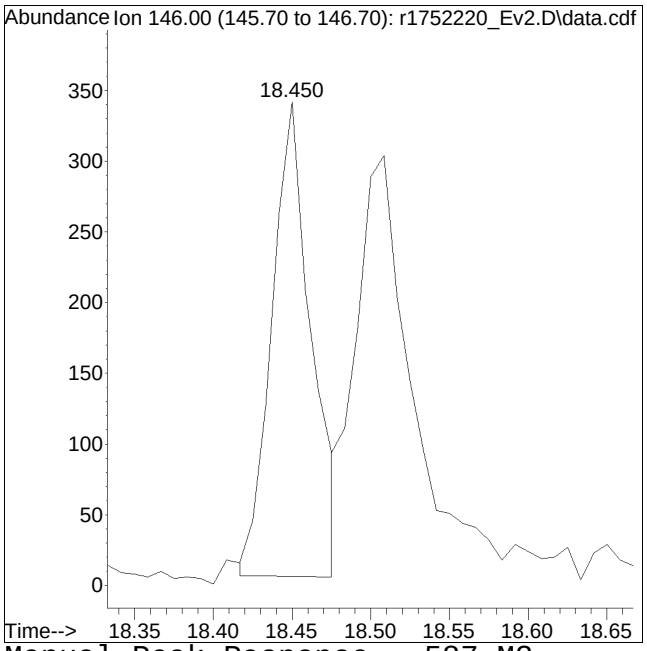
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752220_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/5/2025 11:54 PM Instrument :
Sample : ITO15-SIMSTD0.02 Quant Date : 11/6/2025 5:06 am

Compound #75: 1,3-dichlorobenzene





Original Peak Response = 700 Manual Peak Response = 587 M3

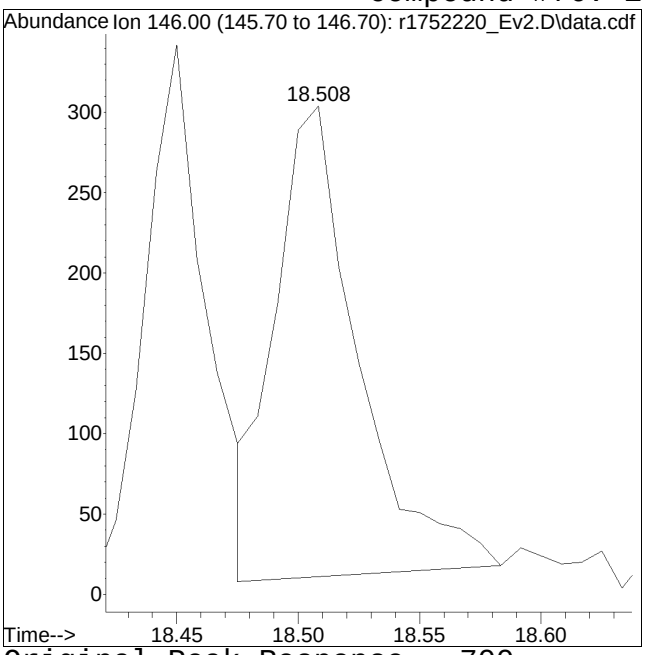
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

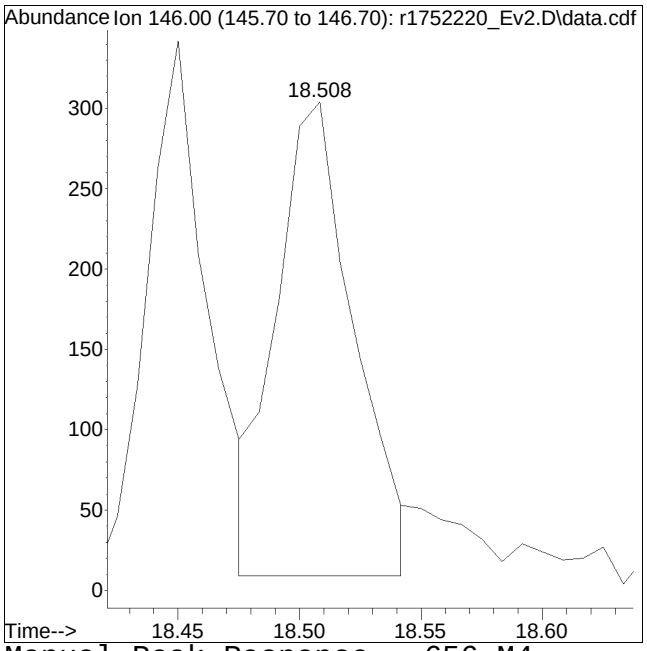
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752220_Ev2.D
Date Inj'd : 11/5/2025 11:54 PM
Sample : ITO15-SIMSTD0.02

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:06 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 700



Manual Peak Response = 656 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752221_Ev2.D
Acq On : 6 Nov 2025 12:29 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	176947	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 96.68%			
33) 1,4-difluorobenzene	11.063	114	566351	10.000	ppbV	0.01
Standard Area = 596044			Recovery = 95.02%			
51) chlorobenzene-D5	15.817	54	83562	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 95.28%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.708	65	62	0.005	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.05%#			
53) toluene-D8	13.917	98	174	0.003	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.03%#			
67) bromofluorobenzene	17.217	95	307	0.009	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.09%#			
Target Compounds						Qvalue
2) propylene	3.826	41	1014M6	0.096	ppbV	
3) dichlorodifluoromethane	3.898	85	1565	0.058	ppbV	95
4) chloromethane	4.054	50	706M4	0.061	ppbV	
5) Freon-114	4.156	85	1723	0.055	ppbV	100
6) vinyl chloride	4.270	62	894	0.055	ppbV	94
7) 1,3-butadiene	4.408	54	612	0.061	ppbV #	32
8) bromomethane	4.678	94	703	0.060	ppbV	98
9) chloroethane	4.858	64	427	0.056	ppbV #	74
10) ethanol	4.990	31	3970	0.384	ppbV #	62
11) vinyl bromide	5.223	106	653	0.059	ppbV	88
12) acrolein	5.360	56	457M4	0.066	ppbV	
13) acetone	5.503	43	6176	0.404	ppbV #	96
14) trichlorofluoromethane	5.670	101	1533	0.059	ppbV	94
15) isopropyl alcohol	5.777	45	3819	0.223	ppbV #	95
16) acrylonitrile	5.993	53	565M4	0.048	ppbV	
17) 1,1-dichloroethene	6.354	61	1223	0.059	ppbV	97
18) tertiary butyl alcohol	6.426	59	2203	0.083	ppbV	96
19) methylene chloride	6.486	49	1157	0.081	ppbV	96
20) 3-chloropropene	6.612	41	935	0.057	ppbV #	88
21) carbon disulfide	6.786	76	1880	0.058	ppbV #	1
22) Freon 113	6.792	101	1508	0.058	ppbV	97
23) trans-1,2-dichloroethene	7.517	61	1076	0.057	ppbV	93
24) 1,1-dichloroethane	7.733	63	1481	0.059	ppbV	94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752221_Ev2.D
Acq On : 6 Nov 2025 12:29 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) MTBE	7.833	73	1614	0.058	ppbV #	86
26) vinyl acetate	7.933	43	1231	0.054	ppbV #	93
27) 2-butanone	8.208	43	1279	0.055	ppbV #	94
28) cis-1,2-dichloroethene	8.667	61	1117	0.057	ppbV	94
29) Ethyl Acetate	8.975	61	204	0.045	ppbV #	44
30) chloroform	9.008	83	1455	0.060	ppbV	94
31) Tetrahydrofuran	9.483	42	676	0.054	ppbV	93
32) 1,2-dichloroethane	9.833	62	981	0.063	ppbV #	89
34) hexane	8.925	57	1530	0.066	ppbV #	28
36) 1,1,1-trichloroethane	10.125	97	1391	0.063	ppbV #	93
37) benzene	10.643	78	2589	0.061	ppbV #	89
38) carbon tetrachloride	10.810	117	1111	0.054	ppbV #	96
39) cyclohexane	10.957	56	1488	0.060	ppbV	95
40) Dibromomethane	11.550	93	964	0.061	ppbV #	95
41) 1,2-dichloropropane	11.583	63	1101	0.066	ppbV #	90
42) bromodichloromethane	11.803	83	1393	0.061	ppbV	99
43) 1,4-dioxane	11.890	88	542M3	0.056	ppbV	
44) trichloroethene	11.863	130	1207M4	0.054	ppbV	
45) 2,2,4-trimethylpentane	11.917	57	4649	0.062	ppbV #	95
46) heptane	12.230	43	1445	0.062	ppbV #	90
47) cis-1,3-dichloropropene	12.883	75	999	0.053	ppbV #	84
48) 4-methyl-2-pentanone	12.983	43	1116	0.041	ppbV #	93
49) trans-1,3-dichloropropene	13.517	75	661	0.049	ppbV #	81
50) 1,1,2-trichloroethane	13.700	97	987M4	0.055	ppbV	
52) toluene	14.033	91	3415	0.060	ppbV	98
54) 2-hexanone	14.417	43	673M4	0.026	ppbV	
55) dibromochloromethane	14.483	129	1278	0.051	ppbV #	95
56) 1,2-dibromoethane	14.742	107	1293	0.054	ppbV	99
57) tetrachloroethene	15.208	166	1184	0.058	ppbV	90
58) 1,1,1,2-tetrachloroethane	15.850	131	1184	0.054	ppbV	97
59) chlorobenzene	15.858	112	2377	0.056	ppbV	95
60) ethylbenzene	16.217	91	3988	0.055	ppbV	98
61) m+p-xylene	16.383	91	5995	0.104	ppbV	98
62) bromoform	16.450	173	927	0.054	ppbV	97
63) styrene	16.717	104	1939	0.046	ppbV	97
64) 1,1,2,2-tetrachloroethane	16.808	83	2094	0.057	ppbV	96
65) o-xylene	16.808	91	3279	0.056	ppbV	99
66) 1,2,3-Trichloropropane	16.925	75	1349	0.050	ppbV #	91
68) isopropylbenzene	17.333	105	3833	0.051	ppbV	98
69) Bromobenzene	17.400	77	1697	0.047	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752221_Ev2.D
Acq On : 6 Nov 2025 12:29 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

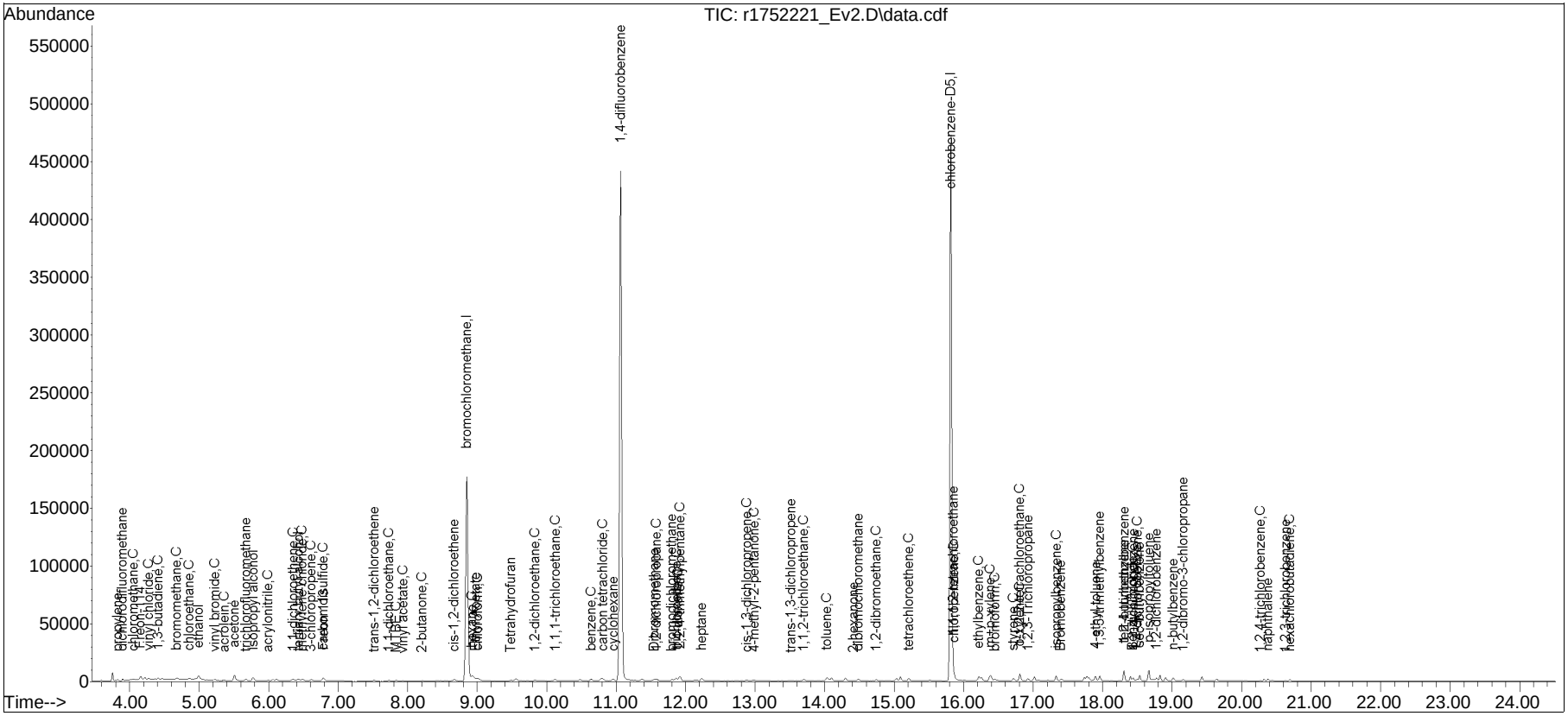
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.900	105	3367	0.050	ppbV #	93
71) 1,3,5-trimethylbenzene	17.958	105	3174	0.053	ppbV #	99
72) tert-butylbenzene	18.308	119	3737	0.054	ppbV	96
73) 1,2,4-trimethylbenzene	18.308	105	3123	0.051	ppbV	97
74) Benzyl Chloride	18.433	91	1380	0.033	ppbV	97
75) 1,3-dichlorobenzene	18.442	146	1617	0.043	ppbV	96
76) 1,4-dichlorobenzene	18.500	146	1631M4	0.044	ppbV	
77) sec-butylbenzene	18.533	105	4711	0.050	ppbV	98
78) p-isopropyltoluene	18.667	119	4615	0.053	ppbV	100
79) 1,2-dichlorobenzene	18.775	146	1930	0.046	ppbV #	94
80) n-butylbenzene	19.017	91	3329	0.044	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.158	75	626	0.043	ppbV	92
82) 1,2,4-trichlorobenzene	20.267	180	862	0.038	ppbV #	93
83) naphthalene	20.375	128	4007	0.047	ppbV	96
84) 1,2,3-trichlorobenzene	20.633	180	993	0.043	ppbV	97
85) hexachlorobutadiene	20.692	225	1112	0.058	ppbV	95

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752221_Ev2.D
Acq On : 6 Nov 2025 12:29 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.05
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

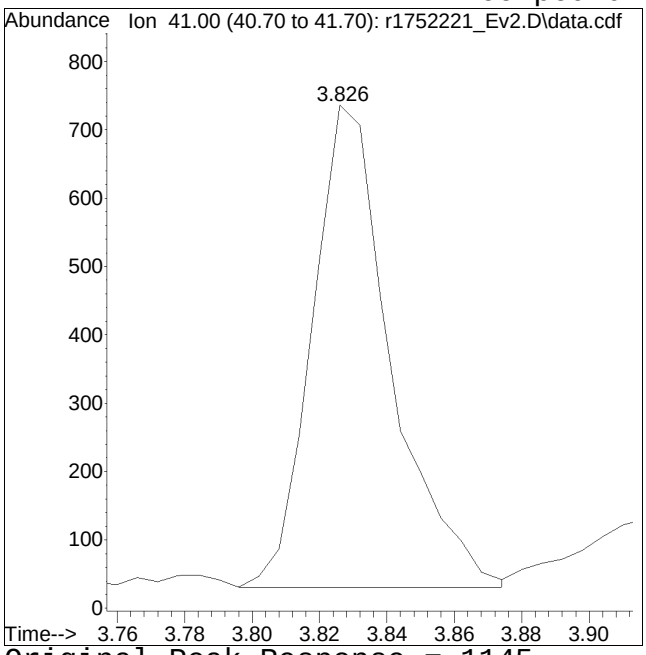
Quant Time: Nov 06 05:07:09 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



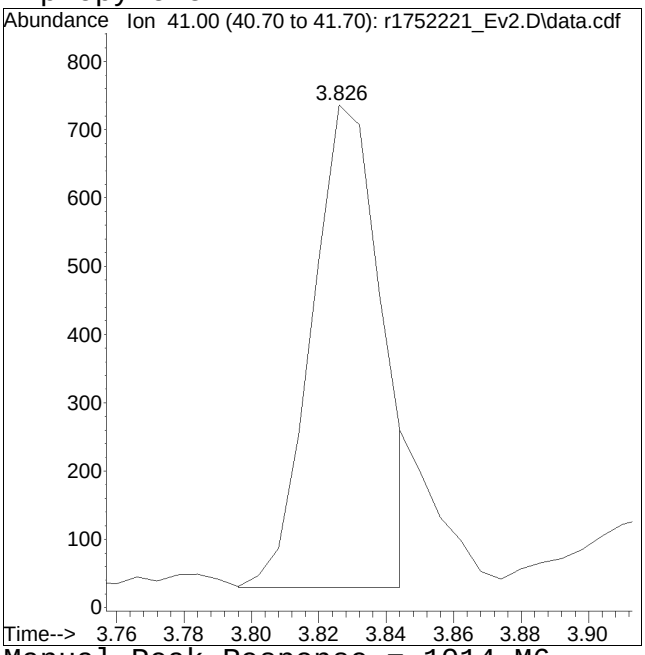
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752221_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 1145



Manual Peak Response = 1014 M6

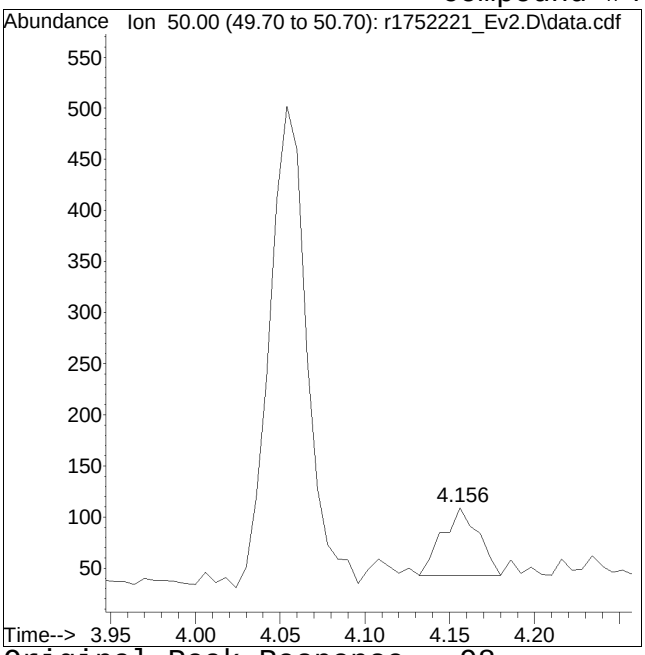
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

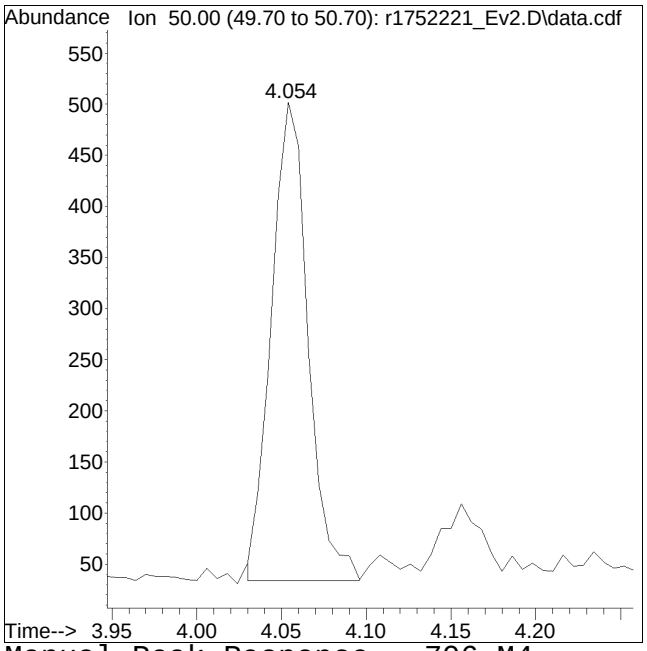
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752221_Ev2.D
Date Inj'd : 11/6/2025 12:29 AM
Sample : ITO15-SIMSTD0.05

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:07 am

Compound #4: chloromethane



Original Peak Response = 98



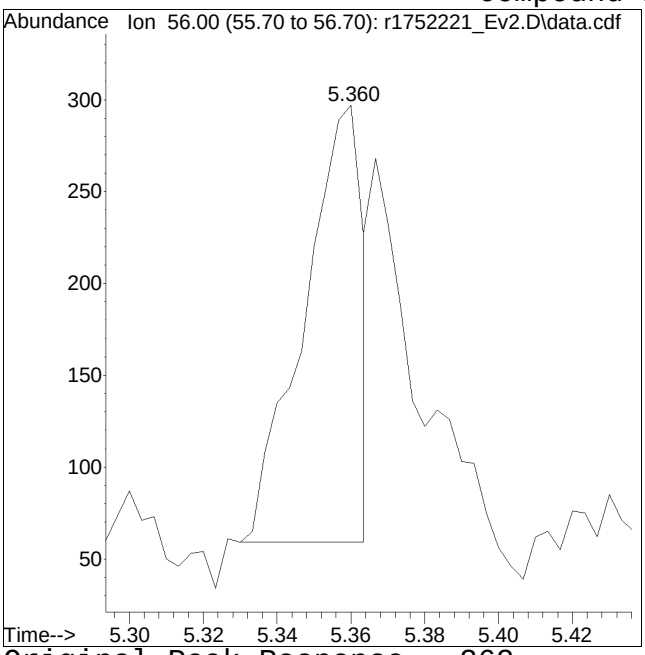
Manual Peak Response = 706 M4

M4 = Poor automated baseline construction.

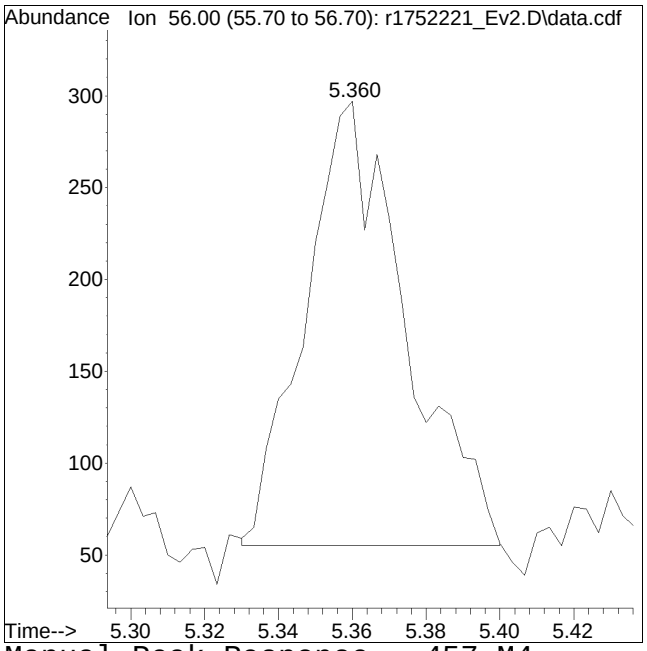
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752221_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 11/6/2025 5:07 am

Compound #12: acrolein



Original Peak Response = 262



Manual Peak Response = 457 M4

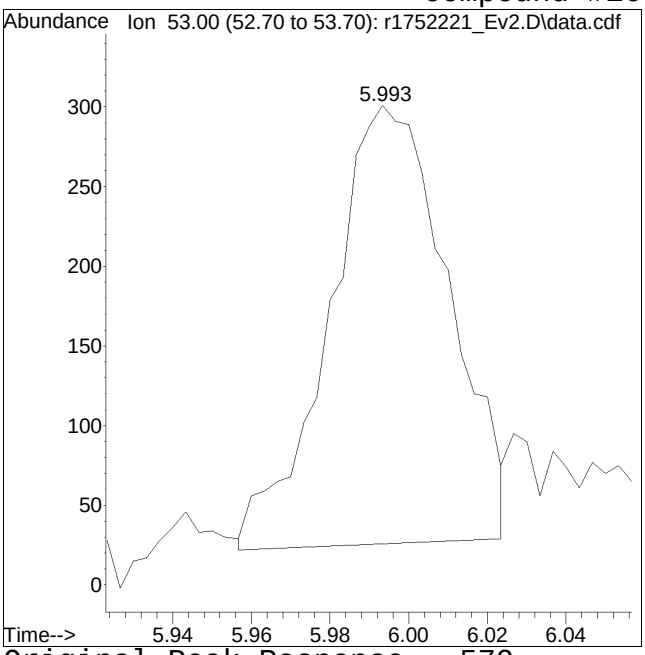
M4 = Poor automated baseline construction.

Manual Integration Report

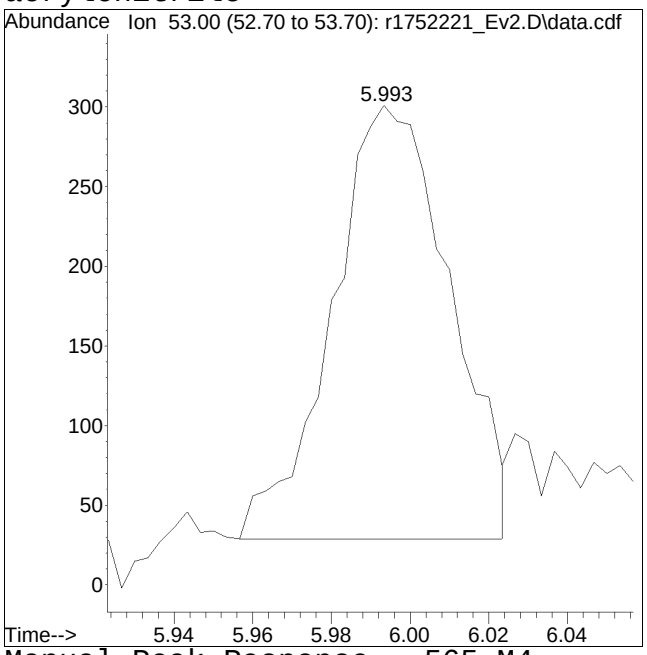
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752221_Ev2.D
Date Inj'd : 11/6/2025 12:29 AM
Sample : ITO15-SIMSTD0.05

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:07 am

Compound #16: acrylonitrile



Original Peak Response = 579



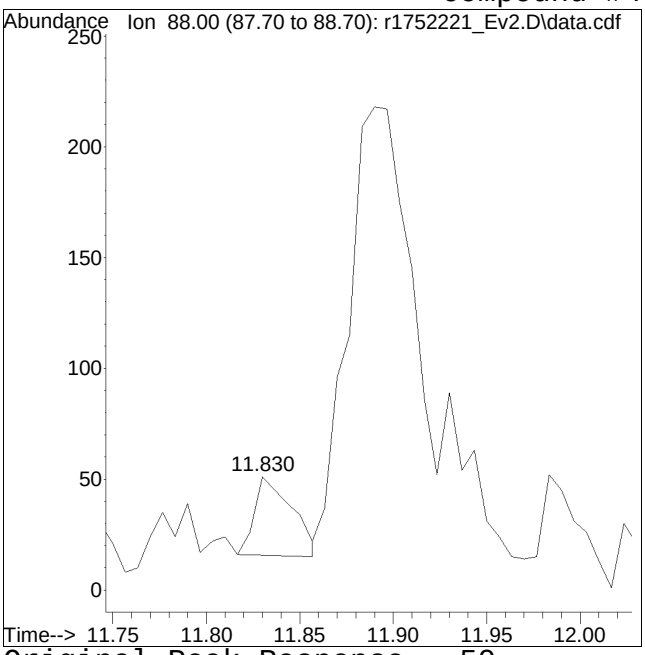
Manual Peak Response = 565 M4

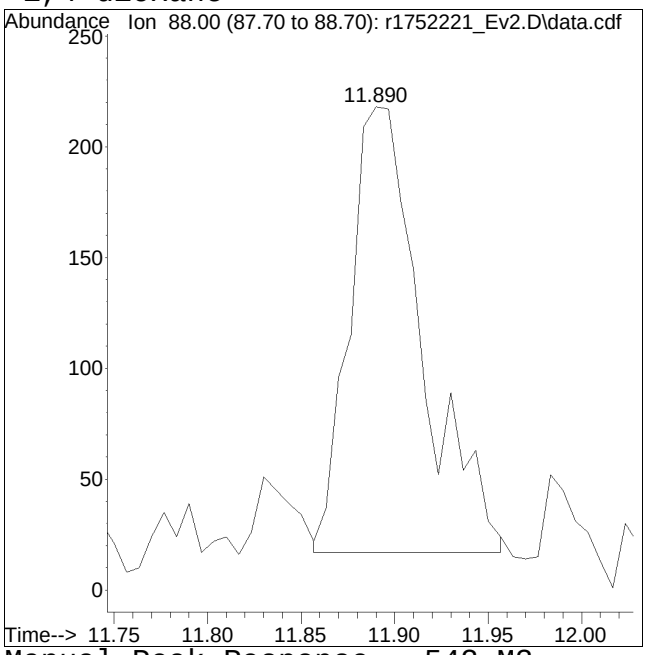
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752221_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 11/6/2025 5:07 am

Compound #43: 1,4-dioxane





Original Peak Response = 50 Manual Peak Response = 542 M3

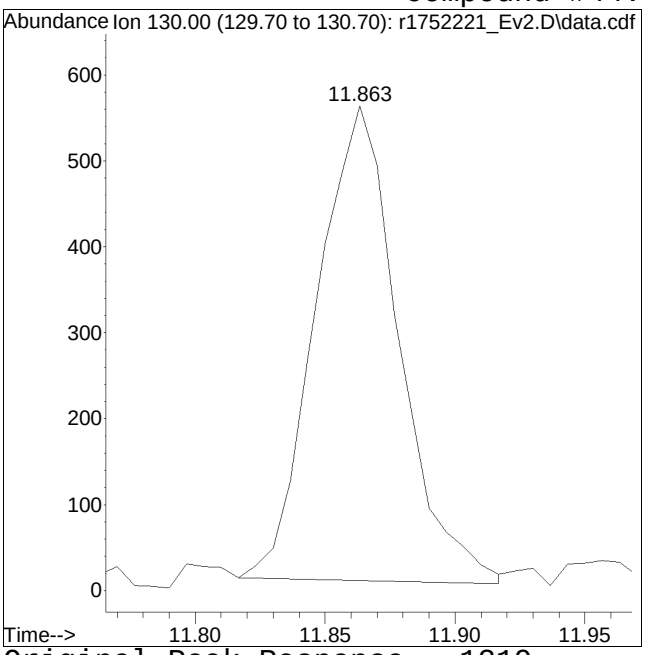
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

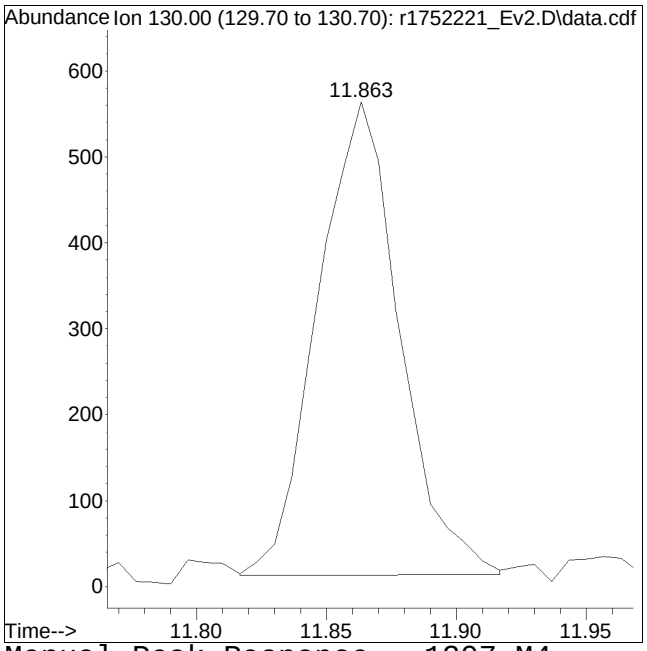
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752221_Ev2.D
Date Inj'd : 11/6/2025 12:29 AM
Sample : ITO15-SIMSTD0.05

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:07 am

Compound #44: trichloroethene



Original Peak Response = 1219



Manual Peak Response = 1207 M4

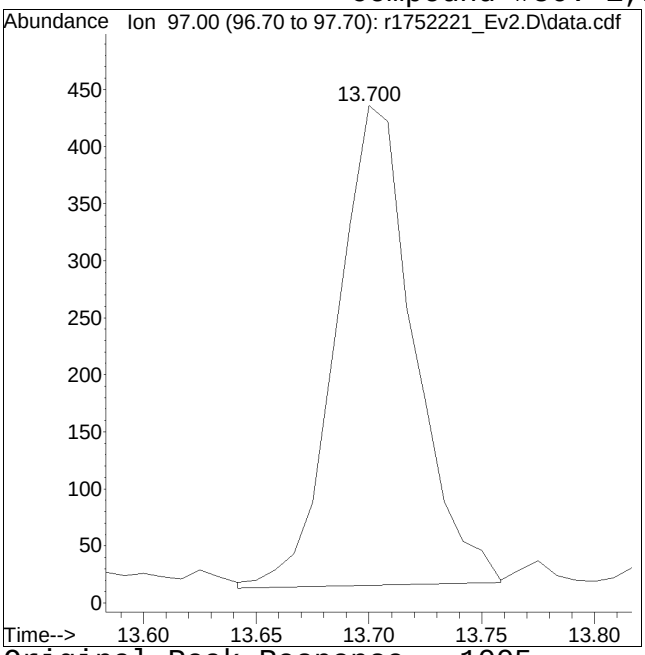
M4 = Poor automated baseline construction.

Manual Integration Report

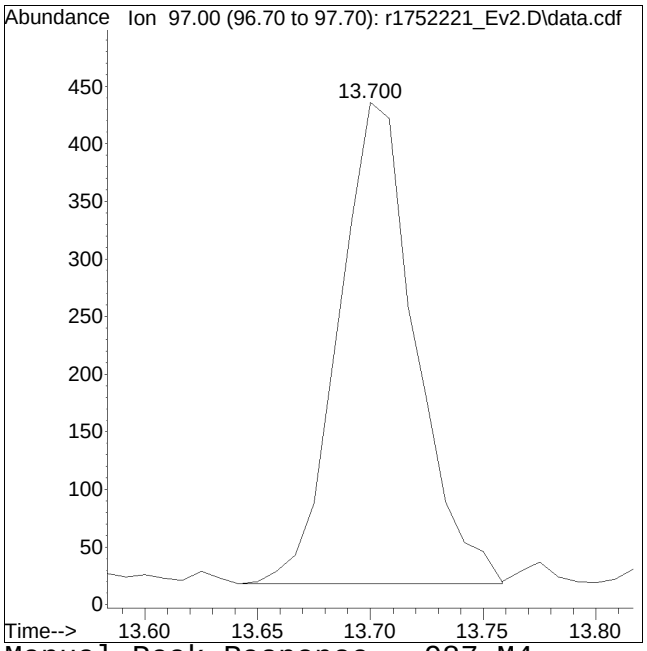
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752221_Ev2.D
Date Inj'd : 11/6/2025 12:29 AM
Sample : ITO15-SIMSTD0.05

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:07 am

Compound #50: 1,1,2-trichloroethane



Original Peak Response = 1005



Manual Peak Response = 987 M4

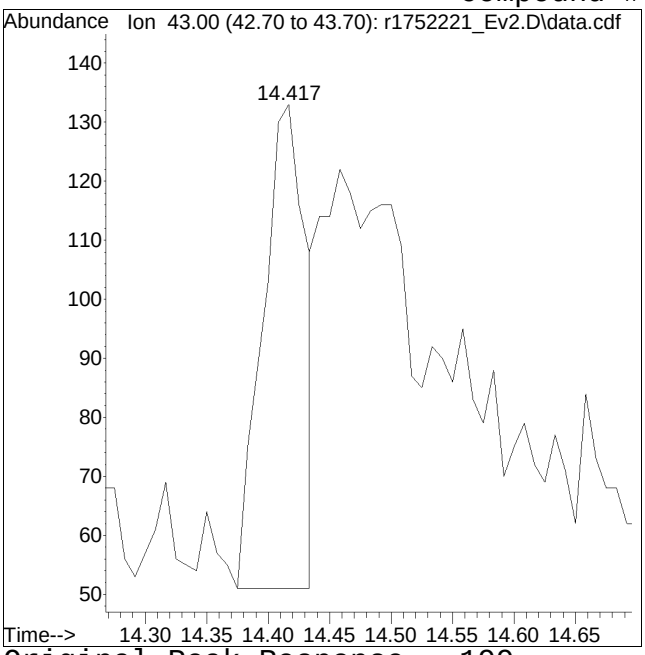
M4 = Poor automated baseline construction.

Manual Integration Report

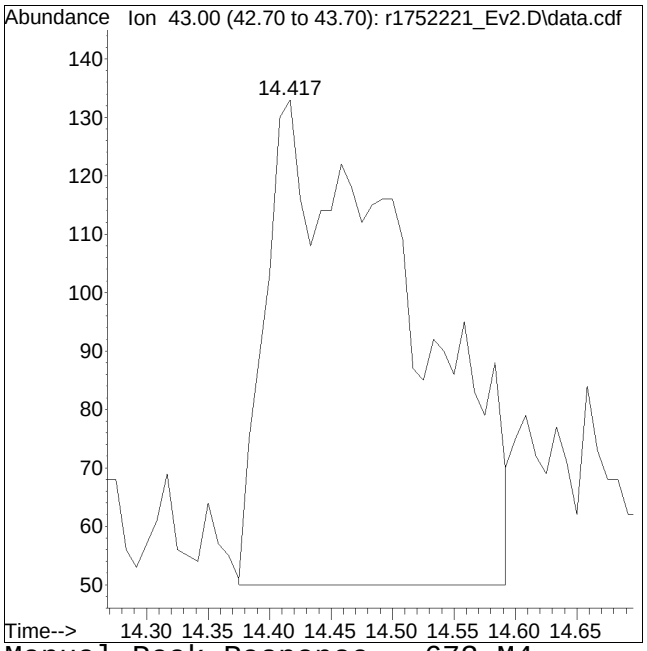
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752221_Ev2.D
Date Inj'd : 11/6/2025 12:29 AM
Sample : ITO15-SIMSTD0.05

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:07 am

Compound #54: 2-hexanone



Original Peak Response = 199



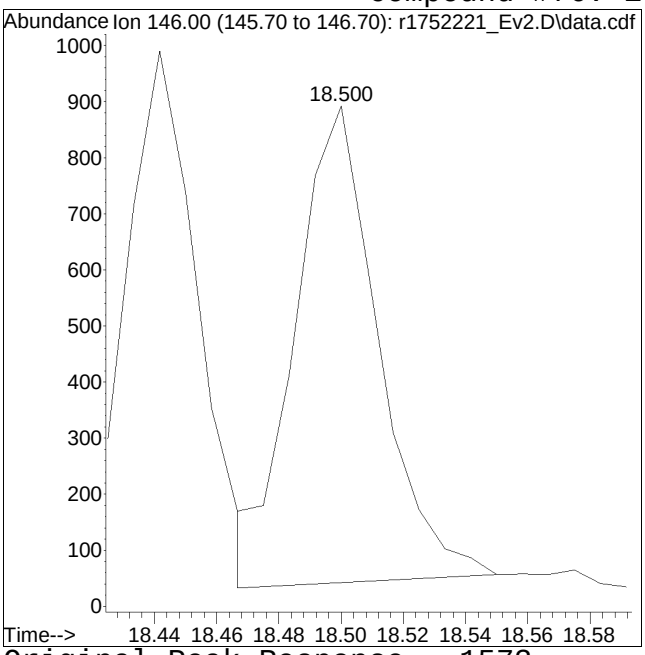
Manual Peak Response = 673 M4

M4 = Poor automated baseline construction.

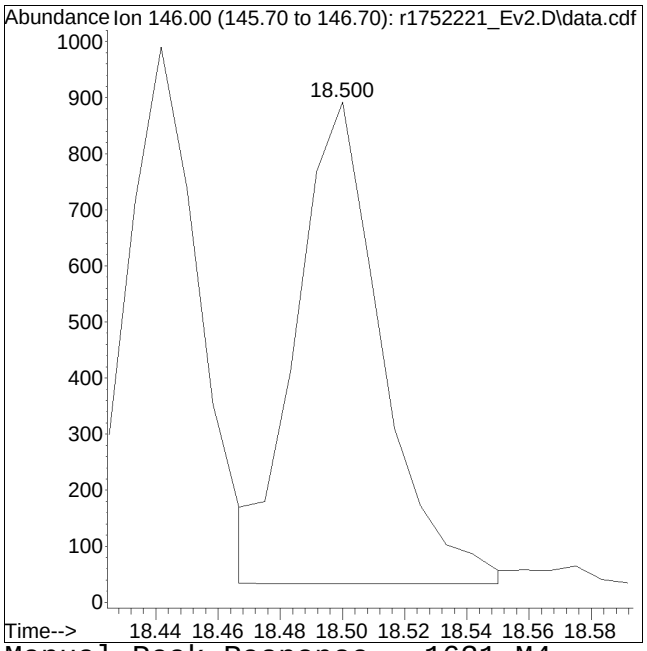
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752221_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 12:29 AM Instrument :
Sample : ITO15-SIMSTD0.05 Quant Date : 11/6/2025 5:07 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 1573



Manual Peak Response = 1631 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752222_Ev2.D
Acq On : 6 Nov 2025 1:06 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:18 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	169386	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 92.54%			
33) 1,4-difluorobenzene	11.063	114	526745	10.000	ppbV	0.01
Standard Area = 596044			Recovery = 88.37%			
51) chlorobenzene-D5	15.817	54	80664	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 91.97%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.833	65	124	0.011	ppbV	0.13
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.11%#			
53) toluene-D8	0.000	98	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	17.217	95	298	0.009	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.09%#			
Target Compounds						Qvalue
2) propylene	3.826	41	1589M6	0.158	ppbV	
3) dichlorodifluoromethane	3.898	85	3054	0.118	ppbV	99
4) chloromethane	4.054	50	1313	0.118	ppbV	94
5) Freon-114	4.156	85	3336	0.112	ppbV	98
6) vinyl chloride	4.270	62	1719	0.111	ppbV	95
7) 1,3-butadiene	4.408	54	1077	0.112	ppbV #	61
8) bromomethane	4.678	94	1340	0.119	ppbV	99
9) chloroethane	4.858	64	942	0.129	ppbV #	83
10) ethanol	4.990	31	7411	0.748	ppbV	93
11) vinyl bromide	5.223	106	1319	0.125	ppbV	94
12) acrolein	5.357	56	886	0.134	ppbV #	77
13) acetone	5.500	43	11733	0.803	ppbV #	99
14) trichlorofluoromethane	5.673	101	2977	0.120	ppbV	91
15) isopropyl alcohol	5.770	45	7146	0.436	ppbV #	96
16) acrylonitrile	5.990	53	1049	0.093	ppbV #	94
17) 1,1-dichloroethene	6.348	61	2319	0.118	ppbV	96
18) tertiary butyl alcohol	6.420	59	4134	0.164	ppbV	99
19) methylene chloride	6.486	49	1903	0.139	ppbV	95
20) 3-chloropropene	6.612	41	1900	0.121	ppbV	94
21) carbon disulfide	6.786	76	3620	0.117	ppbV #	9
22) Freon 113	6.786	101	2929	0.117	ppbV	98
23) trans-1,2-dichloroethene	7.517	61	2152	0.120	ppbV	92
24) 1,1-dichloroethane	7.733	63	2779	0.117	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752222_Ev2.D
Acq On : 6 Nov 2025 1:06 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:18 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.833	73	3056	0.114	ppbV	#	91
26) vinyl acetate	7.933	43	2432M3	0.112	ppbV		
27) 2-butanone	8.200	43	2322	0.105	ppbV	#	94
28) cis-1,2-dichloroethene	8.667	61	2101	0.112	ppbV		98
29) Ethyl Acetate	8.967	61	400	0.092	ppbV	#	59
30) chloroform	9.008	83	2754	0.118	ppbV	#	97
31) Tetrahydrofuran	9.483	42	1321	0.111	ppbV		94
32) 1,2-dichloroethane	9.833	62	1833	0.122	ppbV		97
34) hexane	8.925	57	2955	0.136	ppbV	#	32
36) 1,1,1-trichloroethane	10.125	97	2438	0.118	ppbV		95
37) benzene	10.643	78	4807	0.122	ppbV	#	91
38) carbon tetrachloride	10.817	117	2194	0.114	ppbV		97
39) cyclohexane	10.957	56	2865	0.125	ppbV		89
40) Dibromomethane	11.550	93	1921	0.131	ppbV	#	97
41) 1,2-dichloropropane	11.583	63	1909	0.123	ppbV	#	87
42) bromodichloromethane	11.810	83	2549	0.121	ppbV	#	98
43) 1,4-dioxane	11.890	88	1026	0.113	ppbV		98
44) trichloroethene	11.863	130	2380	0.114	ppbV		94
45) 2,2,4-trimethylpentane	11.917	57	8924	0.127	ppbV		99
46) heptane	12.230	43	2544	0.117	ppbV		98
47) cis-1,3-dichloropropene	12.875	75	1903	0.108	ppbV	#	88
48) 4-methyl-2-pentanone	12.967	43	2160	0.084	ppbV	#	94
49) trans-1,3-dichloropropene	13.508	75	1213	0.097	ppbV	#	82
50) 1,1,2-trichloroethane	13.700	97	2052	0.123	ppbV		99
52) toluene	14.033	91	6248	0.114	ppbV		99
54) 2-hexanone	14.383	43	1474M3	0.060	ppbV		
55) dibromochloromethane	14.483	129	2577	0.106	ppbV		97
56) 1,2-dibromoethane	14.742	107	2531	0.109	ppbV		100
57) tetrachloroethene	15.208	166	2325	0.117	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.850	131	2297	0.109	ppbV		98
59) chlorobenzene	15.858	112	4628	0.113	ppbV		92
60) ethylbenzene	16.217	91	7669	0.110	ppbV		97
61) m+p-xylene	16.383	91	12103	0.218	ppbV		99
62) bromoform	16.450	173	1740	0.104	ppbV		95
63) styrene	16.717	104	3869	0.095	ppbV		97
64) 1,1,2,2-tetrachloroethane	16.808	83	4208	0.118	ppbV		97
65) o-xylene	16.808	91	6189	0.110	ppbV		100
66) 1,2,3-Trichloropropane	16.925	75	2704	0.104	ppbV		98
68) isopropylbenzene	17.325	105	7354	0.101	ppbV		98
69) Bromobenzene	17.400	77	3422	0.097	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752222_Ev2.D
Acq On : 6 Nov 2025 1:06 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:18 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

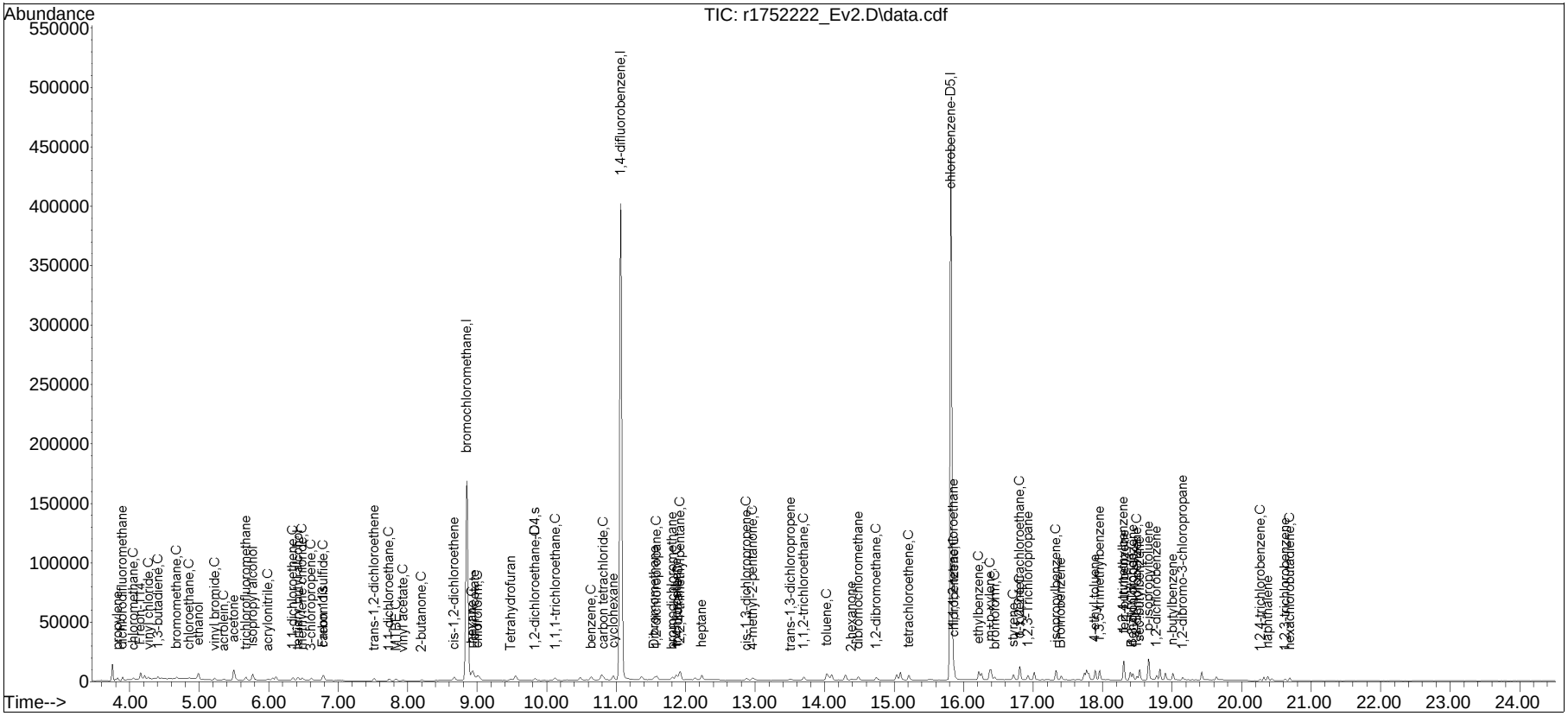
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.892	105	6742	0.103	ppbV #	95
71) 1,3,5-trimethylbenzene	17.958	105	6107	0.105	ppbV #	98
72) tert-butylbenzene	18.308	119	7103	0.106	ppbV	95
73) 1,2,4-trimethylbenzene	18.300	105	6125	0.104	ppbV	98
74) Benzyl Chloride	18.425	91	2856	0.070	ppbV	98
75) 1,3-dichlorobenzene	18.433	146	3272	0.089	ppbV	94
76) 1,4-dichlorobenzene	18.492	146	3391M4	0.095	ppbV	
77) sec-butylbenzene	18.533	105	9110	0.100	ppbV	96
78) p-isopropyltoluene	18.658	119	8647	0.104	ppbV	97
79) 1,2-dichlorobenzene	18.775	146	3466	0.086	ppbV #	89
80) n-butylbenzene	19.008	91	6635	0.091	ppbV	93
81) 1,2-dibromo-3-chloropr...	19.150	75	1288	0.092	ppbV	95
82) 1,2,4-trichlorobenzene	20.267	180	1621	0.074	ppbV	94
83) naphthalene	20.375	128	7068	0.086	ppbV	98
84) 1,2,3-trichlorobenzene	20.625	180	1951	0.087	ppbV	95
85) hexachlorobutadiene	20.692	225	2042	0.111	ppbV	96

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752222_Ev2.D
Acq On : 6 Nov 2025 1:06 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.1
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

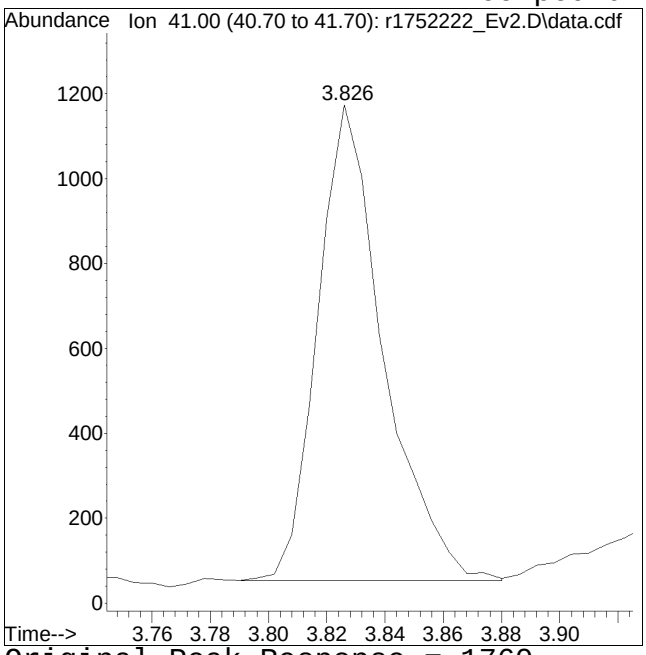
Quant Time: Nov 06 05:07:18 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



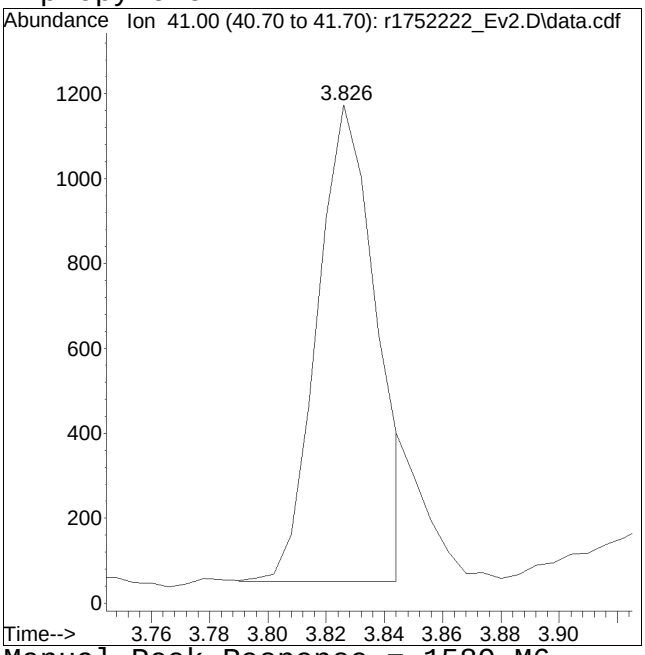
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752222_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:06 AM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 1760



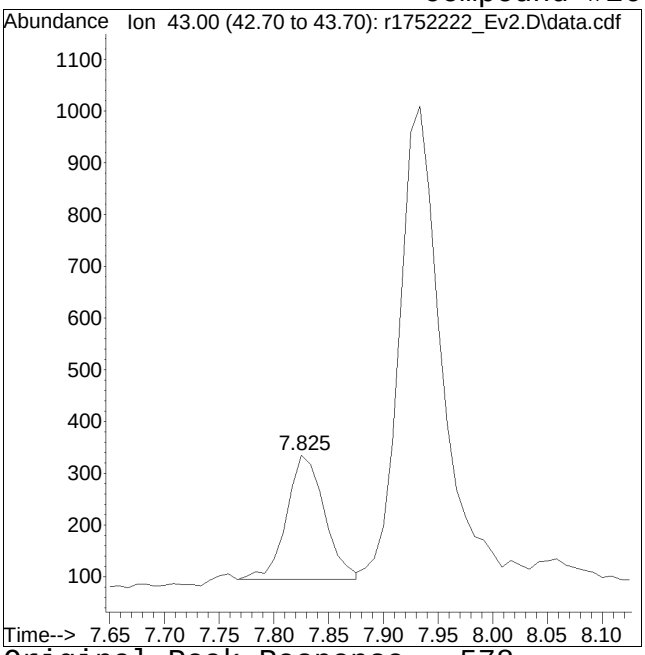
Manual Peak Response = 1589 M6

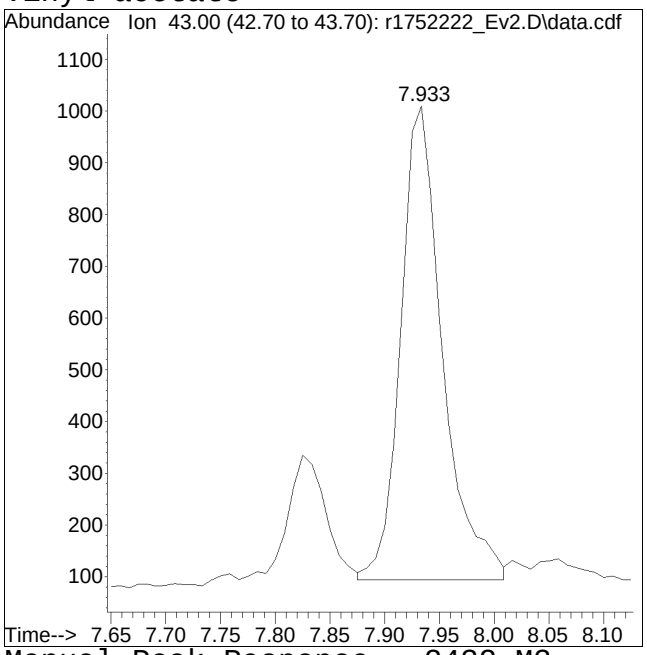
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752222_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:06 AM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 11/6/2025 5:07 am

Compound #26: vinyl acetate





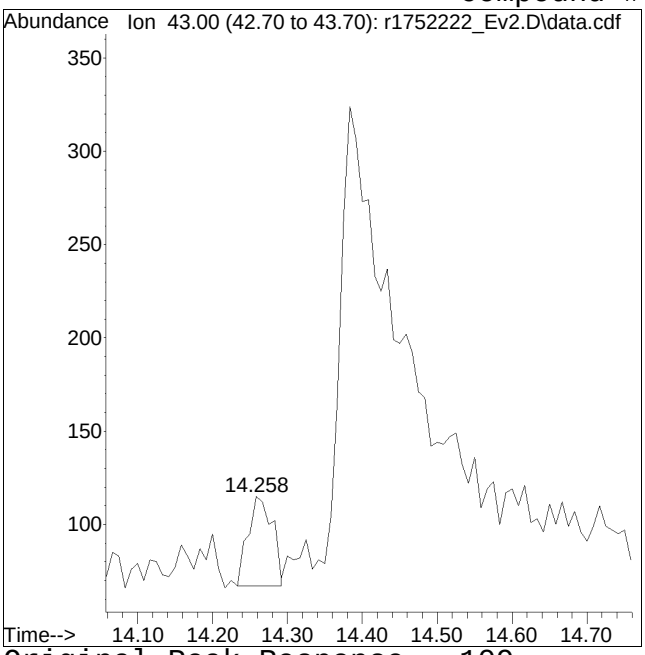
Original Peak Response = 578 Manual Peak Response = 2432 M3

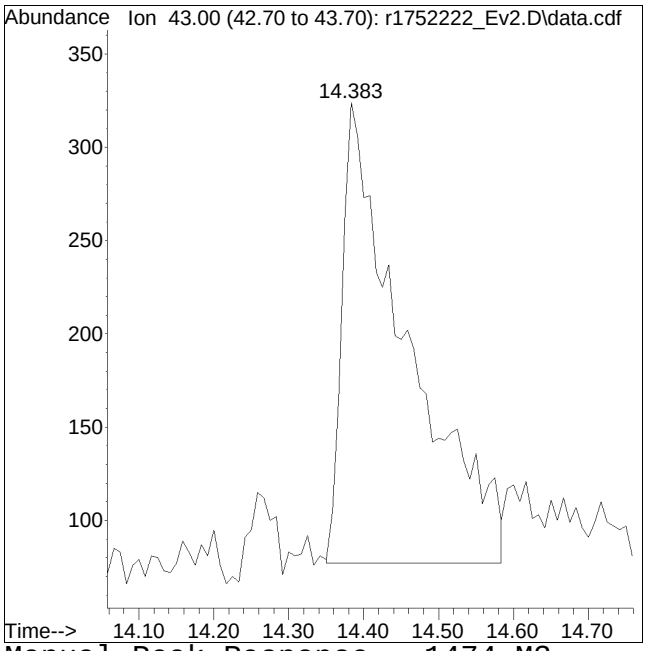
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752222_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:06 AM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 11/6/2025 5:07 am

Compound #54: 2-hexanone





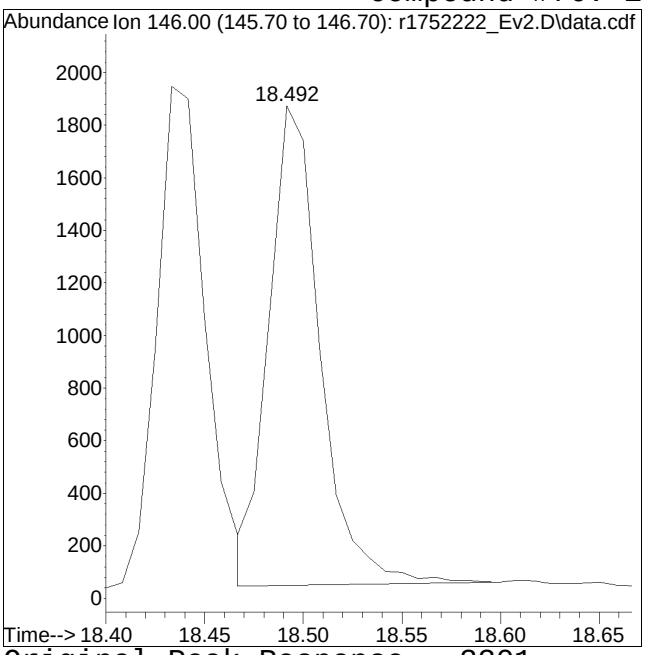
Original Peak Response = 109 Manual Peak Response = 1474 M3

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.

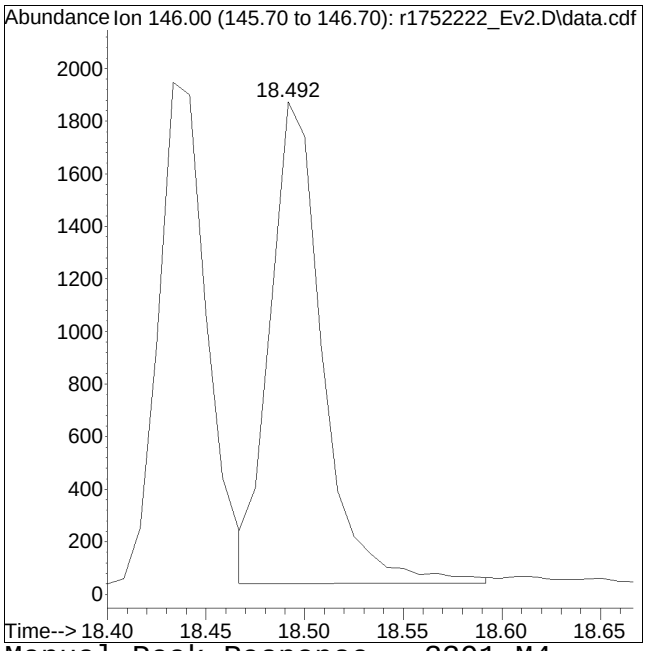
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752222_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:06 AM Instrument :
Sample : ITO15-SIMSTD0.1 Quant Date : 11/6/2025 5:07 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 3301



Manual Peak Response = 3391 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752223_Ev2.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	171775	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 93.85%			
33) 1,4-difluorobenzene	11.063	114	508543	10.000	ppbV	0.01
Standard Area = 596044			Recovery = 85.32%			
51) chlorobenzene-D5	15.817	54	77693	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 88.59%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.708	65	128578	11.283	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.83%			
53) toluene-D8	13.908	98	474939	9.951	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
67) bromofluorobenzene	17.208	95	291112	9.390	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.90%			
Target Compounds						Qvalue
2) propylene	3.826	41	2487M6	0.243	ppbV	
3) dichlorodifluoromethane	3.898	85	5043	0.192	ppbV	100
4) chloromethane	4.054	50	2108	0.186	ppbV	93
5) Freon-114	4.156	85	5609	0.185	ppbV	97
6) vinyl chloride	4.270	62	2893	0.184	ppbV	94
7) 1,3-butadiene	4.408	54	1885	0.193	ppbV #	75
8) bromomethane	4.678	94	2135	0.188	ppbV	94
9) chloroethane	4.858	64	1396	0.189	ppbV	99
10) ethanol	4.984	31	11161	1.111	ppbV #	81
11) vinyl bromide	5.220	106	2126	0.199	ppbV	95
12) acrolein	5.353	56	1227	0.183	ppbV #	90
13) acetone	5.493	43	15161	1.023	ppbV #	97
14) trichlorofluoromethane	5.670	101	4937	0.197	ppbV	99
15) isopropyl alcohol	5.767	45	8129	0.489	ppbV #	96
16) acrylonitrile	5.987	53	2011	0.176	ppbV	97
17) 1,1-dichloroethene	6.348	61	3807	0.190	ppbV	98
18) tertiary butyl alcohol	6.414	59	4371	0.171	ppbV	98
19) methylene chloride	6.486	49	2936	0.212	ppbV	100
20) 3-chloropropene	6.612	41	3091	0.194	ppbV	97
21) carbon disulfide	6.786	76	5982	0.190	ppbV #	46
22) Freon 113	6.786	101	4900	0.193	ppbV	99
23) trans-1,2-dichloroethene	7.517	61	3594	0.197	ppbV	94
24) 1,1-dichloroethane	7.733	63	4567	0.189	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752223_Ev2.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.817	73	5213	0.192	ppbV		95
26) vinyl acetate	7.925	43	3750	0.171	ppbV		99
27) 2-butanone	8.200	43	3897	0.173	ppbV		96
28) cis-1,2-dichloroethene	8.667	61	3565	0.188	ppbV		98
29) Ethyl Acetate	8.967	61	660	0.150	ppbV	#	41
30) chloroform	9.000	83	4599	0.194	ppbV		97
31) Tetrahydrofuran	9.475	42	2218	0.184	ppbV		94
32) 1,2-dichloroethane	9.833	62	2932	0.193	ppbV		100
34) hexane	8.925	57	4601	0.220	ppbV	#	45
36) 1,1,1-trichloroethane	10.117	97	4041	0.203	ppbV		96
37) benzene	10.637	78	7989	0.210	ppbV		99
38) carbon tetrachloride	10.817	117	3665	0.197	ppbV		100
39) cyclohexane	10.957	56	4874	0.220	ppbV		99
40) Dibromomethane	11.543	93	3044	0.214	ppbV	#	94
41) 1,2-dichloropropane	11.583	63	3152	0.210	ppbV		96
42) bromodichloromethane	11.810	83	4223	0.207	ppbV		99
43) 1,4-dioxane	11.877	88	1865	0.213	ppbV		100
44) trichloroethene	11.863	130	3979	0.197	ppbV		97
45) 2,2,4-trimethylpentane	11.910	57	14695	0.217	ppbV		98
46) heptane	12.230	43	4439	0.211	ppbV		99
47) cis-1,3-dichloropropene	12.875	75	3287	0.194	ppbV		94
48) 4-methyl-2-pentanone	12.950	43	4039	0.163	ppbV		97
49) trans-1,3-dichloropropene	13.500	75	2158	0.179	ppbV		89
50) 1,1,2-trichloroethane	13.700	97	3225	0.200	ppbV		96
52) toluene	14.025	91	10601	0.200	ppbV		99
54) 2-hexanone	14.367	43	3231M3	0.136	ppbV		
55) dibromochloromethane	14.483	129	4414	0.188	ppbV		99
56) 1,2-dibromoethane	14.742	107	4311	0.194	ppbV		98
57) tetrachloroethene	15.208	166	3812	0.200	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.842	131	3653	0.179	ppbV		96
59) chlorobenzene	15.858	112	7711	0.196	ppbV		97
60) ethylbenzene	16.217	91	12640	0.188	ppbV		98
61) m+p-xylene	16.383	91	20058	0.375	ppbV		100
62) bromoform	16.442	173	3022	0.188	ppbV		99
63) styrene	16.708	104	6894	0.176	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.808	83	6844	0.199	ppbV		100
65) o-xylene	16.800	91	10216	0.188	ppbV		95
66) 1,2,3-Trichloropropane	16.925	75	4540	0.181	ppbV		97
68) isopropylbenzene	17.325	105	12714	0.182	ppbV		100
69) Bromobenzene	17.400	77	6178	0.183	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752223_Ev2.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

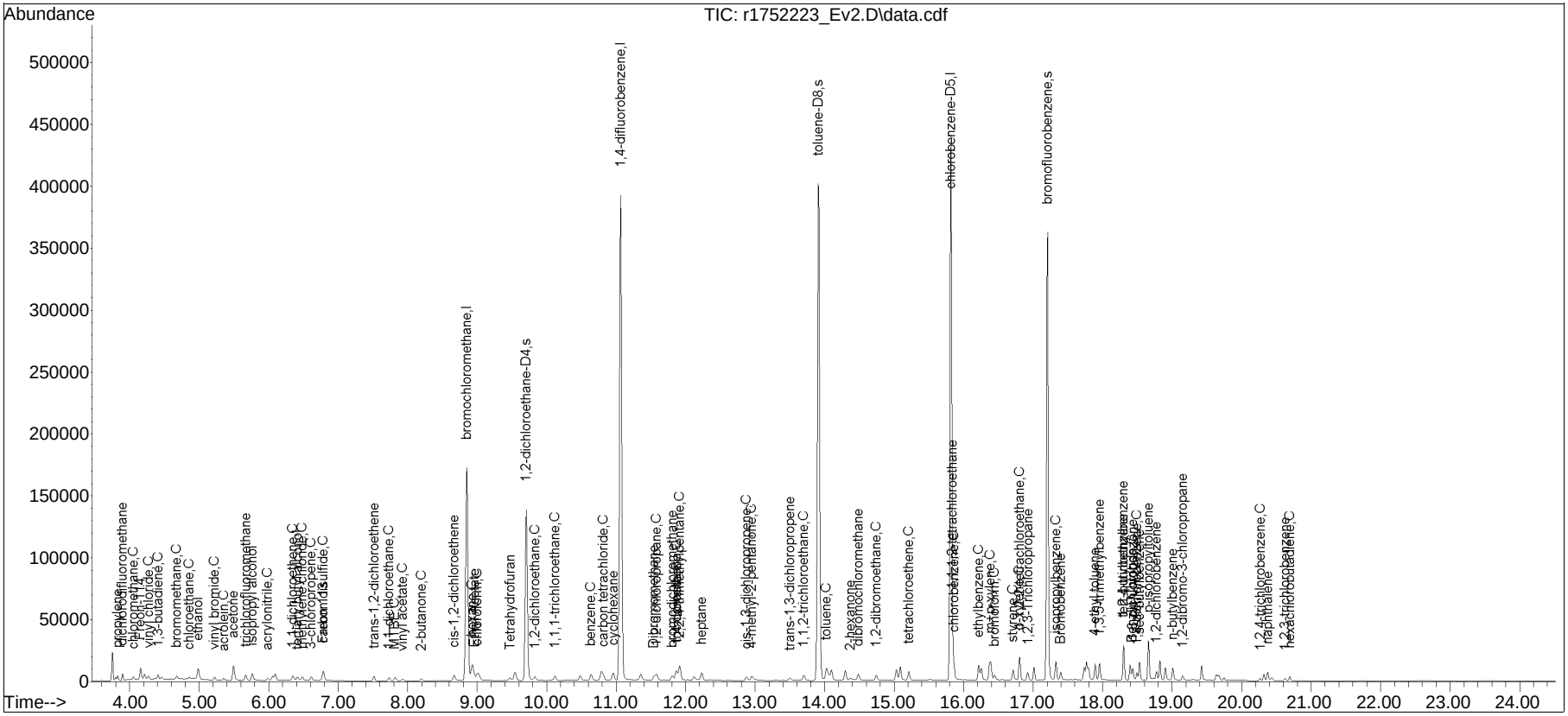
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.892	105	11249	0.179	ppbV	98
71) 1,3,5-trimethylbenzene	17.958	105	10404	0.186	ppbV	99
72) tert-butylbenzene	18.300	119	11582	0.179	ppbV	98
73) 1,2,4-trimethylbenzene	18.300	105	10052	0.177	ppbV	97
74) Benzyl Chloride	18.425	91	5060	0.130	ppbV	96
75) 1,3-dichlorobenzene	18.433	146	5784	0.164	ppbV	96
76) 1,4-dichlorobenzene	18.492	146	5708	0.167	ppbV	96
77) sec-butylbenzene	18.533	105	15155	0.173	ppbV	95
78) p-isopropyltoluene	18.658	119	14553	0.181	ppbV	98
79) 1,2-dichlorobenzene	18.775	146	6389	0.164	ppbV	96
80) n-butylbenzene	19.008	91	10972	0.157	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.150	75	1969	0.146	ppbV	95
82) 1,2,4-trichlorobenzene	20.267	180	2422	0.115	ppbV	96
83) naphthalene	20.375	128	12373	0.156	ppbV	98
84) 1,2,3-trichlorobenzene	20.625	180	2571	0.119	ppbV	99
85) hexachlorobutadiene	20.692	225	2861	0.162	ppbV	95

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752223_Ev2.D
Acq On : 6 Nov 2025 1:43 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.2
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

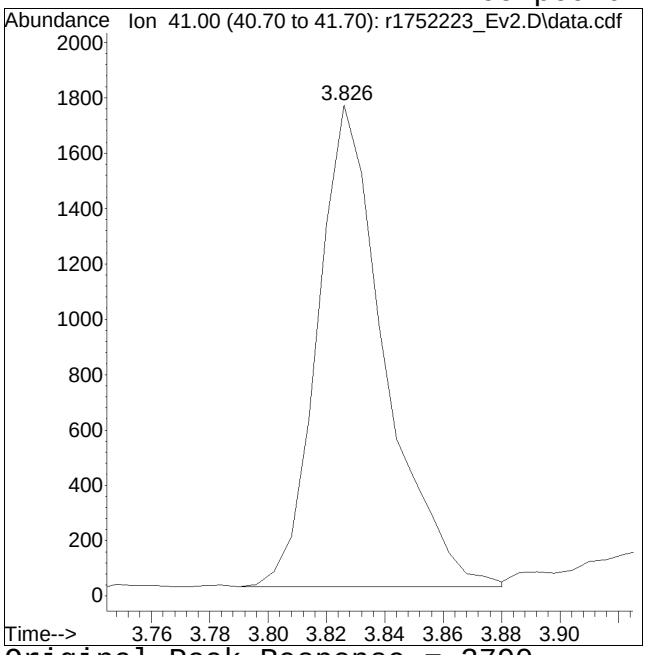
Quant Time: Nov 06 05:07:26 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



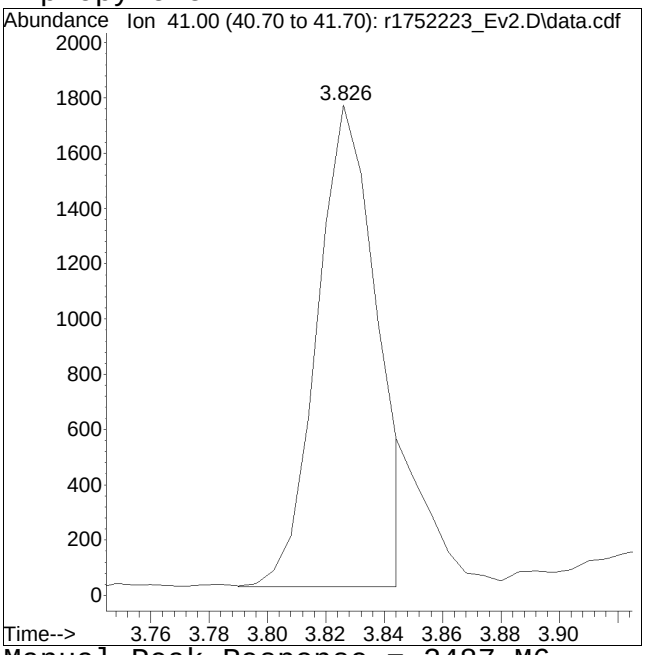
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752223_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 2790



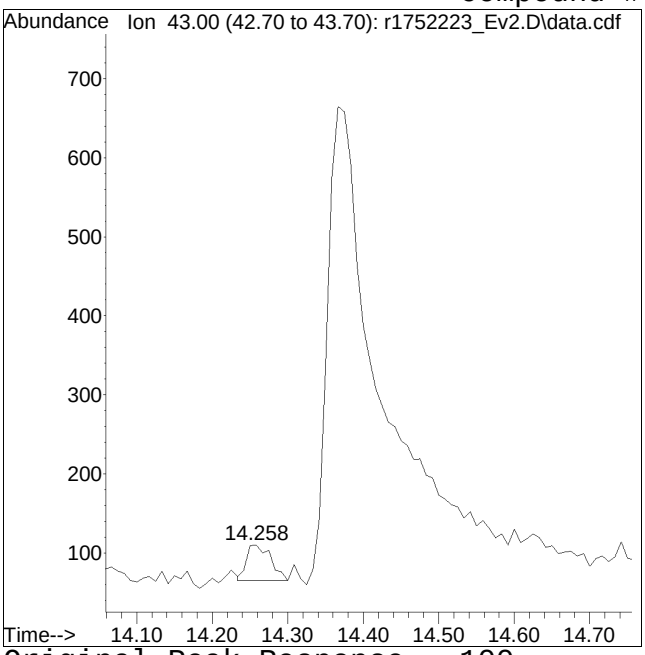
Manual Peak Response = 2487 M6

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

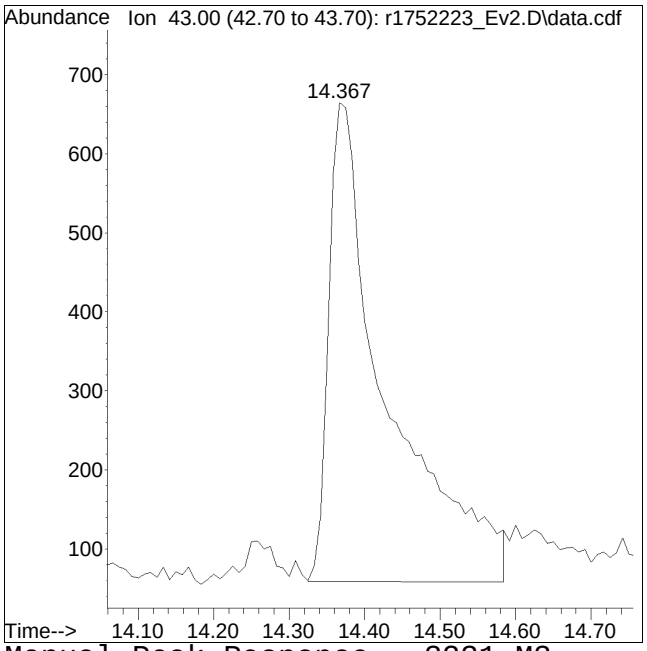
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752223_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 1:43 AM Instrument :
Sample : ITO15-SIMSTD0.2 Quant Date : 11/6/2025 5:07 am

Compound #54: 2-hexanone



Original Peak Response = 100



Manual Peak Response = 3231 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\11\1105SIM_I\
Data File : r1752224_Ev2.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:35 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.850	49	172751	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 94.38%			
33) 1,4-difluorobenzene	11.063	114	512640	10.000	ppbV	0.01
Standard Area = 596044			Recovery = 86.01%			
51) chlorobenzene-D5	15.817	54	80210	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 91.46%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.700	65	128548	11.190	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.90%			
53) toluene-D8	13.908	98	470272	9.544	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.44%			
67) bromofluorobenzene	17.200	95	296431	9.261	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.61%			
Target Compounds						Qvalue
2) propylene	3.826	41	6130M6	0.596	ppbV	
3) dichlorodifluoromethane	3.898	85	13418	0.509	ppbV	99
4) chloromethane	4.048	50	5381	0.473	ppbV	100
5) Freon-114	4.156	85	14845	0.487	ppbV	98
6) vinyl chloride	4.270	62	7602	0.480	ppbV	99
7) 1,3-butadiene	4.402	54	4989	0.509	ppbV	83
8) bromomethane	4.672	94	5786	0.506	ppbV	97
9) chloroethane	4.852	64	3719	0.500	ppbV	98
10) ethanol	4.978	31	30338	3.004	ppbV #	83
11) vinyl bromide	5.220	106	5697	0.530	ppbV	99
12) acrolein	5.347	56	3282	0.486	ppbV	95
13) acetone	5.483	43	39670	2.661	ppbV #	98
14) trichlorofluoromethane	5.667	101	12745	0.505	ppbV	99
15) isopropyl alcohol	5.750	45	22642	1.355	ppbV	98
16) acrylonitrile	5.980	53	5367	0.467	ppbV	99
17) 1,1-dichloroethene	6.348	61	10165	0.505	ppbV	98
18) tertiary butyl alcohol	6.396	59	11858	0.460	ppbV	97
19) methylene chloride	6.480	49	7345	0.526	ppbV	100
20) 3-chloropropene	6.612	41	8091	0.504	ppbV	99
21) carbon disulfide	6.780	76	16399	0.519	ppbV #	80
22) Freon 113	6.786	101	12961	0.507	ppbV	99
23) trans-1,2-dichloroethene	7.508	61	9528	0.519	ppbV	99
24) 1,1-dichloroethane	7.733	63	12111	0.498	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752224_Ev2.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:35 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.808	73	13904	0.510	ppbV		99
26) vinyl acetate	7.917	43	10930	0.495	ppbV		99
27) 2-butanone	8.183	43	11022	0.487	ppbV		98
28) cis-1,2-dichloroethene	8.667	61	9598	0.502	ppbV		99
29) Ethyl Acetate	8.950	61	1982	0.447	ppbV	#	51
30) chloroform	9.000	83	12000	0.504	ppbV		99
31) Tetrahydrofuran	9.450	42	5910	0.488	ppbV		98
32) 1,2-dichloroethane	9.825	62	7703	0.505	ppbV		99
34) hexane	8.925	57	12257	0.582	ppbV	#	61
36) 1,1,1-trichloroethane	10.117	97	10882	0.541	ppbV		98
37) benzene	10.637	78	20807	0.543	ppbV		100
38) carbon tetrachloride	10.810	117	10114	0.539	ppbV		97
39) cyclohexane	10.957	56	12571	0.563	ppbV		98
40) Dibromomethane	11.543	93	7660	0.535	ppbV	#	100
41) 1,2-dichloropropane	11.577	63	8239	0.544	ppbV		98
42) bromodichloromethane	11.803	83	11315	0.550	ppbV		99
43) 1,4-dioxane	11.863	88	4740	0.538	ppbV		91
44) trichloroethene	11.857	130	10366	0.509	ppbV		100
45) 2,2,4-trimethylpentane	11.910	57	39300	0.576	ppbV		99
46) heptane	12.223	43	11856	0.559	ppbV		100
47) cis-1,3-dichloropropene	12.875	75	9070	0.531	ppbV		98
48) 4-methyl-2-pentanone	12.925	43	12496	0.502	ppbV		99
49) trans-1,3-dichloropropene	13.500	75	6391	0.527	ppbV		96
50) 1,1,2-trichloroethane	13.692	97	8609	0.529	ppbV		95
52) toluene	14.025	91	28003	0.512	ppbV		98
54) 2-hexanone	14.342	43	10346	0.421	ppbV		95
55) dibromochloromethane	14.483	129	11859	0.490	ppbV		100
56) 1,2-dibromoethane	14.733	107	11774	0.512	ppbV		99
57) tetrachloroethene	15.208	166	10249	0.520	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.842	131	9874	0.469	ppbV		98
59) chlorobenzene	15.858	112	20677	0.508	ppbV		99
60) ethylbenzene	16.217	91	34352	0.496	ppbV		98
61) m+p-xylene	16.375	91	54854	0.992	ppbV		99
62) bromoform	16.442	173	8173	0.492	ppbV		99
63) styrene	16.708	104	19098	0.472	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.800	83	18545	0.524	ppbV		99
65) o-xylene	16.800	91	27724	0.495	ppbV		98
66) 1,2,3-Trichloropropane	16.917	75	12512	0.483	ppbV		99
68) isopropylbenzene	17.325	105	34530	0.478	ppbV		98
69) Bromobenzene	17.392	77	17087	0.490	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752224_Ev2.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:35 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

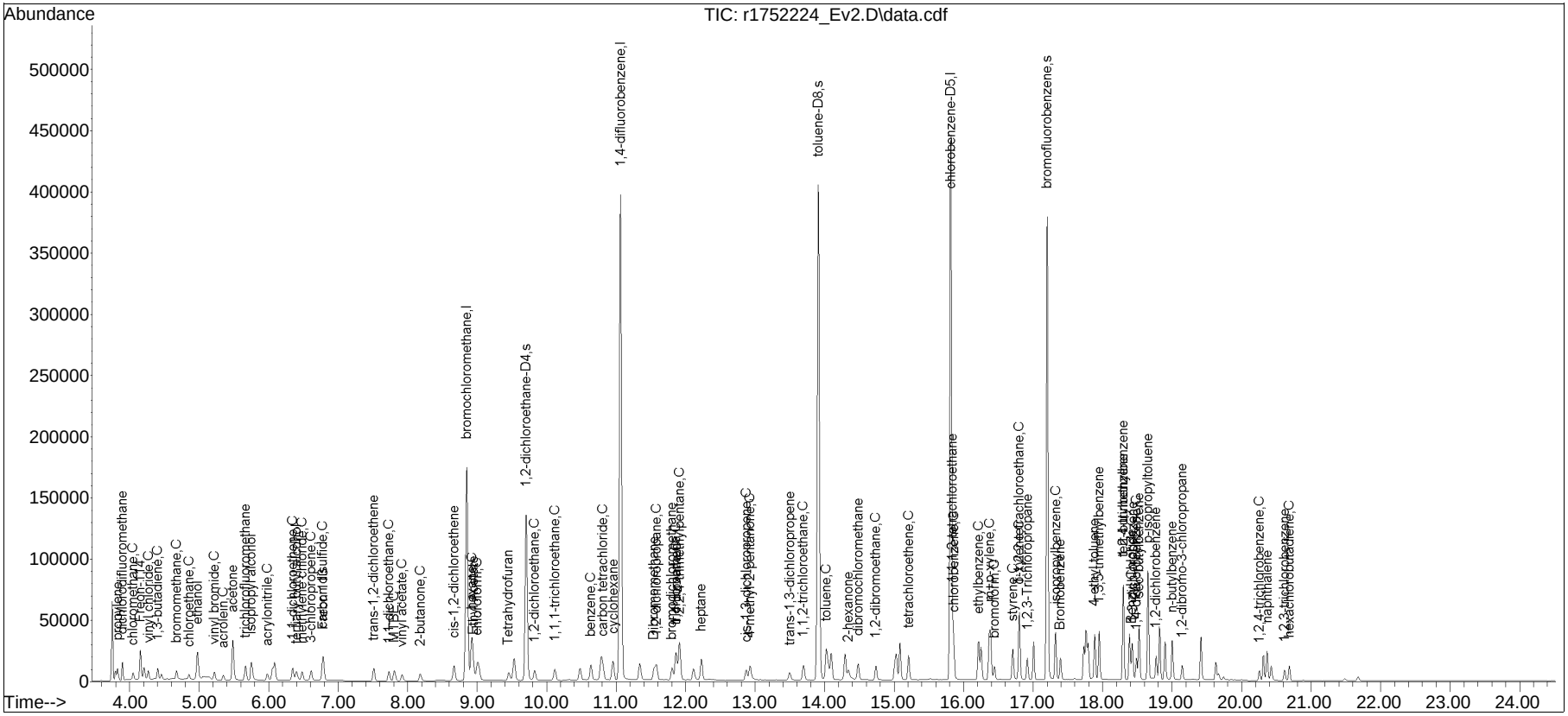
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.883	105	31726	0.488	ppbV		97
71) 1,3,5-trimethylbenzene	17.950	105	28582	0.494	ppbV		97
72) tert-butylbenzene	18.300	119	32587	0.487	ppbV		100
73) 1,2,4-trimethylbenzene	18.300	105	28574	0.488	ppbV		94
74) Benzyl Chloride	18.417	91	16591	0.412	ppbV		96
75) 1,3-dichlorobenzene	18.433	146	16748	0.460	ppbV		95
76) 1,4-dichlorobenzene	18.483	146	16788	0.475	ppbV		95
77) sec-butylbenzene	18.525	105	42769	0.474	ppbV		98
78) p-isopropyltoluene	18.650	119	40932	0.493	ppbV		97
79) 1,2-dichlorobenzene	18.767	146	17623	0.438	ppbV	#	92
80) n-butylbenzene	19.000	91	32752	0.454	ppbV		93
81) 1,2-dibromo-3-chloropr...	19.142	75	6435	0.462	ppbV		97
82) 1,2,4-trichlorobenzene	20.258	180	9356	0.432	ppbV		99
83) naphthalene	20.367	128	37367	0.455	ppbV		100
84) 1,2,3-trichlorobenzene	20.617	180	10101	0.454	ppbV		100
85) hexachlorobutadiene	20.683	225	9966	0.546	ppbV		96

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752224_Ev2.D
Acq On : 6 Nov 2025 2:20 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD0.5
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

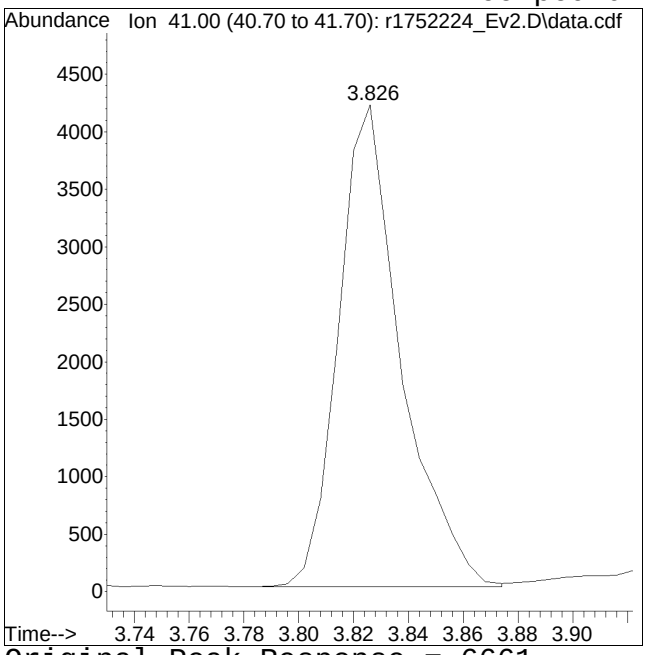
Quant Time: Nov 06 05:07:35 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



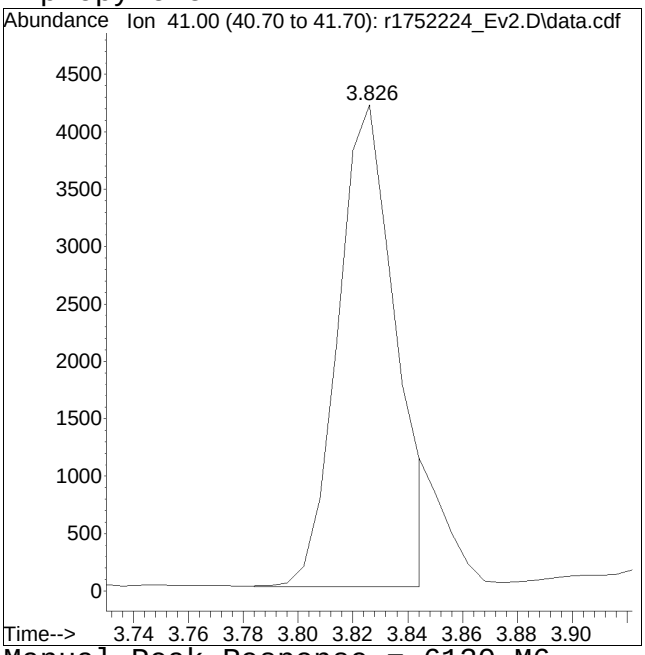
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752224_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 2:20 AM Instrument :
Sample : ITO15-SIMSTD0.5 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 6661



Manual Peak Response = 6130 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752225_Ev2.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:45 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	178267	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 97.40%			
33) 1,4-difluorobenzene	11.057	114	550420	10.000	ppbV	0.00
Standard Area = 596044			Recovery = 92.35%			
51) chlorobenzene-D5	15.808	54	85823	10.000	ppbV	0.00
Standard Area = 87703			Recovery = 97.86%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.700	65	130038	10.543	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.43%			
53) toluene-D8	13.908	98	492612	9.344	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.44%			
67) bromofluorobenzene	17.200	95	326281	9.527	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.27%			
Target Compounds						Qvalue
2) propylene	3.820	41	11601M6	1.093	ppbV	
3) dichlorodifluoromethane	3.892	85	27354	1.006	ppbV	100
4) chloromethane	4.048	50	11114	0.947	ppbV	98
5) Freon-114	4.150	85	30603	0.973	ppbV	97
6) vinyl chloride	4.264	62	15730	0.963	ppbV	98
7) 1,3-butadiene	4.402	54	10277	1.016	ppbV	89
8) bromomethane	4.672	94	11895	1.008	ppbV	97
9) chloroethane	4.852	64	7587	0.989	ppbV	97
10) ethanol	4.972	31	56480	5.419	ppbV #	87
11) vinyl bromide	5.217	106	11309	1.019	ppbV	100
12) acrolein	5.343	56	6728	0.966	ppbV	99
13) acetone	5.477	43	81381	5.290	ppbV	99
14) trichlorofluoromethane	5.663	101	25930	0.996	ppbV	100
15) isopropyl alcohol	5.740	45	45091	2.615	ppbV	99
16) acrylonitrile	5.977	53	11770	0.992	ppbV	100
17) 1,1-dichloroethene	6.342	61	20655	0.995	ppbV	100
18) tertiary butyl alcohol	6.384	59	24638	0.927	ppbV	99
19) methylene chloride	6.480	49	14787	1.027	ppbV	97
20) 3-chloropropene	6.606	41	16772	1.013	ppbV	99
21) carbon disulfide	6.774	76	33354	1.022	ppbV #	91
22) Freon 113	6.780	101	26393	1.001	ppbV	99
23) trans-1,2-dichloroethene	7.508	61	19758	1.044	ppbV	96
24) 1,1-dichloroethane	7.725	63	24954	0.994	ppbV	100

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752225_Ev2.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:45 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.800	73	28848	1.025	ppbV		99
26) vinyl acetate	7.917	43	22763	0.998	ppbV		100
27) 2-butanone	8.167	43	22951	0.982	ppbV		99
28) cis-1,2-dichloroethene	8.667	61	19686	0.998	ppbV		96
29) Ethyl Acetate	8.942	61	4318	0.944	ppbV		71
30) chloroform	9.000	83	24964	1.017	ppbV		100
31) Tetrahydrofuran	9.442	42	12439	0.994	ppbV		98
32) 1,2-dichloroethane	9.825	62	16050	1.019	ppbV		99
34) hexane	8.917	57	25328	1.119	ppbV	#	67
36) 1,1,1-trichloroethane	10.117	97	22660	1.049	ppbV		99
37) benzene	10.637	78	43597	1.060	ppbV		100
38) carbon tetrachloride	10.810	117	21207	1.052	ppbV		98
39) cyclohexane	10.950	56	26296	1.096	ppbV		97
40) Dibromomethane	11.543	93	15798	1.027	ppbV	#	99
41) 1,2-dichloropropane	11.577	63	16933	1.040	ppbV		97
42) bromodichloromethane	11.803	83	23794	1.077	ppbV		98
43) 1,4-dioxane	11.850	88	9802	1.036	ppbV		99
44) trichloroethene	11.857	130	22402	1.025	ppbV		100
45) 2,2,4-trimethylpentane	11.903	57	82094	1.120	ppbV		100
46) heptane	12.223	43	24485	1.074	ppbV		99
47) cis-1,3-dichloropropene	12.867	75	18882	1.030	ppbV		99
48) 4-methyl-2-pentanone	12.917	43	27473	1.027	ppbV		100
49) trans-1,3-dichloropropene	13.492	75	13698	1.052	ppbV		98
50) 1,1,2-trichloroethane	13.692	97	18358	1.051	ppbV		99
52) toluene	14.017	91	58254	0.996	ppbV		100
54) 2-hexanone	14.325	43	23815	0.906	ppbV		97
55) dibromochloromethane	14.475	129	25397	0.982	ppbV		100
56) 1,2-dibromoethane	14.733	107	24548	0.998	ppbV		98
57) tetrachloroethene	15.208	166	21133	1.002	ppbV		100
58) 1,1,1,2-tetrachloroethane	15.842	131	21199	0.942	ppbV		99
59) chlorobenzene	15.850	112	43247	0.994	ppbV		96
60) ethylbenzene	16.208	91	73058	0.985	ppbV		100
61) m+p-xylene	16.375	91	115910	1.960	ppbV		99
62) bromoform	16.442	173	17426	0.980	ppbV		99
63) styrene	16.700	104	41215	0.953	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.792	83	38554	1.017	ppbV		99
65) o-xylene	16.792	91	58818	0.982	ppbV		97
66) 1,2,3-Trichloropropane	16.908	75	26615	0.960	ppbV		100
68) isopropylbenzene	17.317	105	72901	0.944	ppbV		98
69) Bromobenzene	17.392	77	36387	0.974	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752225_Ev2.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:45 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

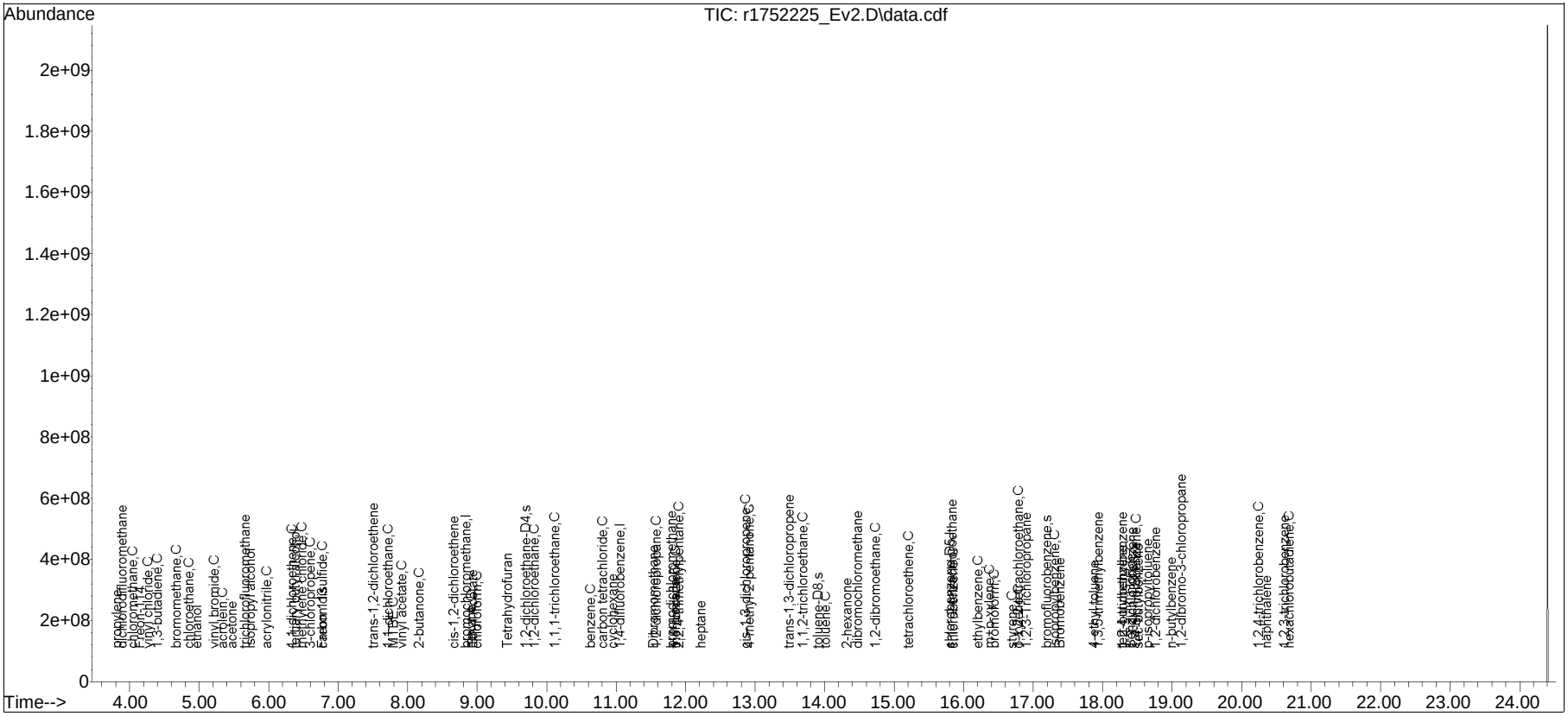
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.883	105	68908	0.990	ppbV	99
71) 1,3,5-trimethylbenzene	17.942	105	60852	0.982	ppbV	97
72) tert-butylbenzene	18.292	119	69142	0.966	ppbV	100
73) 1,2,4-trimethylbenzene	18.292	105	61209	0.978	ppbV	96
74) Benzyl Chloride	18.408	91	37589	0.872	ppbV	95
75) 1,3-dichlorobenzene	18.425	146	36221	0.929	ppbV	98
76) 1,4-dichlorobenzene	18.483	146	36052	0.953	ppbV	98
77) sec-butylbenzene	18.517	105	91969	0.953	ppbV	100
78) p-isopropyltoluene	18.650	119	86589	0.975	ppbV	100
79) 1,2-dichlorobenzene	18.767	146	40146	0.933	ppbV	99
80) n-butylbenzene	18.992	91	71282	0.923	ppbV	90
81) 1,2-dibromo-3-chloropr...	19.133	75	14027	0.941	ppbV	97
82) 1,2,4-trichlorobenzene	20.250	180	21293	0.919	ppbV	99
83) naphthalene	20.358	128	83015	0.945	ppbV	100
84) 1,2,3-trichlorobenzene	20.617	180	22824	0.959	ppbV	97
85) hexachlorobutadiene	20.683	225	21262	1.088	ppbV	98

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752225_Ev2.D
Acq On : 6 Nov 2025 3:00 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD1.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

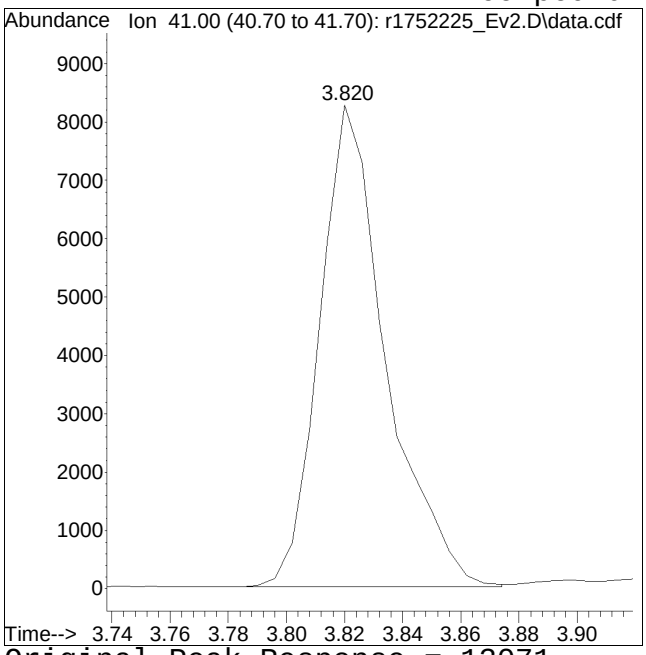
Quant Time: Nov 06 05:07:45 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



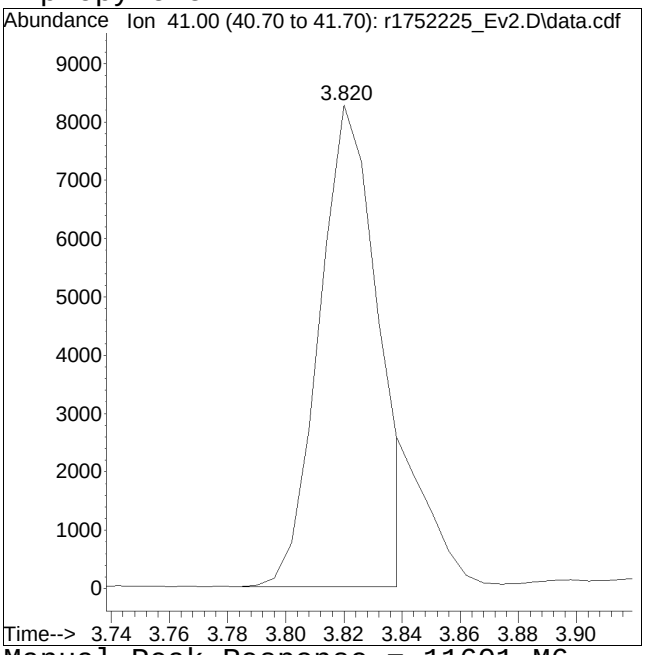
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752225_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 3:00 AM Instrument :
Sample : ITO15-SIMSTD1.0 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 13071



Manual Peak Response = 11601 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752226_Ev2.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:03:21 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 11:09:50 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.842	49	183031	10.000	ppbV	0.05
Standard Area = 183031			Recovery = 100.00%			
33) 1,4-difluorobenzene	11.050	114	596044	10.000	ppbV	0.04
Standard Area = 596044			Recovery = 100.00%			
51) chlorobenzene-D5	15.800	54	87703	10.000	ppbV	0.02
Standard Area = 87703			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.700	65	133564	10.953	ppbV	0.05
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.53%			
53) toluene-D8	13.900	98	538757	10.277	ppbV	0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.77%			
67) bromofluorobenzene	17.192	95	349972	9.668	ppbV	0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.68%			
Target Compounds						Qvalue
2) propylene	3.820	41	54493M6	4.230	ppbV	
3) dichlorodifluoromethane	3.892	85	139602	6.468	ppbV	99
4) chloromethane	4.042	50	60226	5.500	ppbV	97
5) Freon-114	4.150	85	161415	6.030	ppbV	90
6) vinyl chloride	4.264	62	83851	6.366	ppbV	99
7) 1,3-butadiene	4.402	54	51909	6.146	ppbV	97
8) bromomethane	4.666	94	60609	5.488	ppbV	100
9) chloroethane	4.846	64	39376	6.410	ppbV	91
10) ethanol	4.966	31	267542M3	32.330	ppbV	
11) vinyl bromide	5.213	106	56975	5.892	ppbV	96
12) acrolein	5.333	56	35744	6.135	ppbV	95
13) acetone	5.463	43	394859	26.962	ppbV #	86
14) trichlorofluoromethane	5.660	101	133640	6.826	ppbV	98
15) isopropyl alcohol	5.730	45	221287	11.690	ppbV	97
16) acrylonitrile	5.967	53	60908	5.311	ppbV	99
17) 1,1-dichloroethene	6.336	61	106559	5.715	ppbV	98
18) tertiary butyl alcohol	6.372	59	136459	5.981	ppbV	98
19) methylene chloride	6.474	49	73943	4.778	ppbV	95
20) 3-chloropropene	6.600	41	85018	4.573	ppbV	92
21) carbon disulfide	6.774	76	167493	4.603	ppbV	98
22) Freon 113	6.774	101	135316	5.353	ppbV	99
23) trans-1,2-dichloroethene	7.500	61	97182	5.536	ppbV	97
24) 1,1-dichloroethane	7.725	63	128831	5.364	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752226_Ev2.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:03:21 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 11:09:50 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.783	73	144467	5.404	ppbV		98
26) vinyl acetate	7.908	43	117057	3.713	ppbV	#	93
27) 2-butanone	8.150	43	120009	4.646	ppbV	#	97
28) cis-1,2-dichloroethene	8.658	61	101290	5.539	ppbV		99
29) Ethyl Acetate	8.925	61	23482	5.178	ppbV		62
30) chloroform	8.992	83	126059	5.281	ppbV		99
31) Tetrahydrofuran	9.417	42	64222	4.563	ppbV		97
32) 1,2-dichloroethane	9.817	62	80873	6.142	ppbV	#	93
34) hexane	8.917	57	122510	4.900	ppbV		82
36) 1,1,1-trichloroethane	10.108	97	116944	5.442	ppbV		95
37) benzene	10.630	78	222788	3.475	ppbV		97
38) carbon tetrachloride	10.803	117	109139	5.260	ppbV		98
39) cyclohexane	10.943	56	129886	4.577	ppbV		93
40) Dibromomethane	11.537	93	83275	4.692	ppbV	#	99
41) 1,2-dichloropropane	11.570	63	88127	4.086	ppbV		99
42) bromodichloromethane	11.797	83	119604	4.604	ppbV		96
43) 1,4-dioxane	11.830	88	51226	4.934	ppbV		100
44) trichloroethene	11.850	130	118322	4.890	ppbV		99
45) 2,2,4-trimethylpentane	11.897	57	396826	4.925	ppbV		96
46) heptane	12.217	43	123396	4.063	ppbV	#	86
47) cis-1,3-dichloropropene	12.858	75	99264	3.997	ppbV		95
48) 4-methyl-2-pentanone	12.892	43	144837	3.917	ppbV	#	87
49) trans-1,3-dichloropropene	13.483	75	70534	4.123	ppbV		97
50) 1,1,2-trichloroethane	13.683	97	94611	4.334	ppbV		92
52) toluene	14.017	91	298883	4.351	ppbV		97
54) 2-hexanone	14.300	43	134297	4.165	ppbV	#	84
55) dibromochloromethane	14.467	129	132185	4.858	ppbV		99
56) 1,2-dibromoethane	14.725	107	125666	3.901	ppbV		99
57) tetrachloroethene	15.200	166	107722	4.479	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.833	131	115025	5.063	ppbV		100
59) chlorobenzene	15.850	112	222326	4.067	ppbV		96
60) ethylbenzene	16.200	91	379016	4.663	ppbV		94
61) m+p-xylene	16.367	91	604479	9.545	ppbV		95
62) bromoform	16.433	173	90897	4.785	ppbV		99
63) styrene	16.692	104	221076	4.474	ppbV		99
64) 1,1,2,2-tetrachloroethane	16.783	83	193653	3.748	ppbV		98
65) o-xylene	16.792	91	306007	4.748	ppbV		96
66) 1,2,3-Trichloropropane	16.900	75	141640	4.007	ppbV		94
68) isopropylbenzene	17.308	105	394608	4.792	ppbV		98
69) Bromobenzene	17.383	77	190827	4.114	ppbV		91

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752226_Ev2.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:03:21 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 11:09:50 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

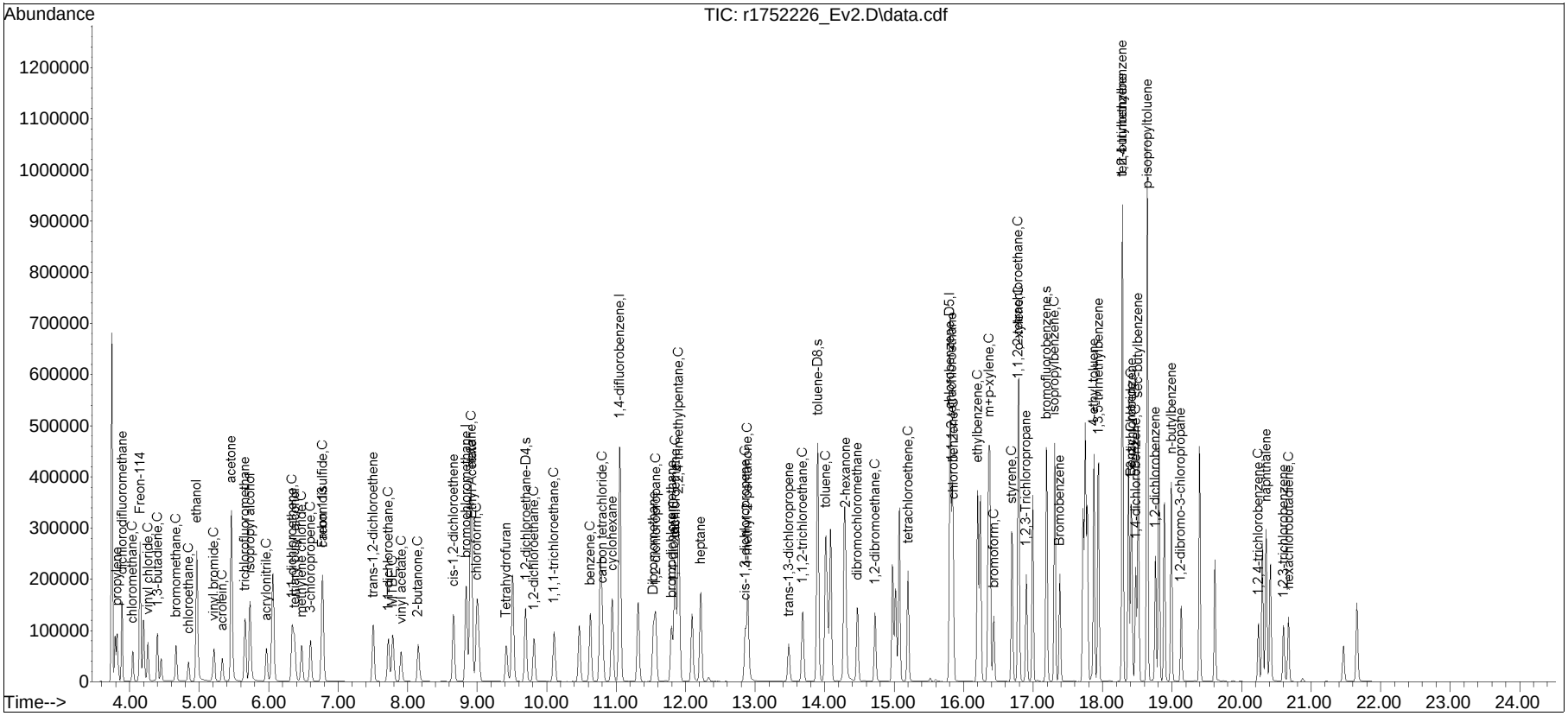
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.875	105	355623	4.609	ppbV	98
71) 1,3,5-trimethylbenzene	17.942	105	316524	4.512	ppbV	92
72) tert-butylbenzene	18.283	119	365539	5.085	ppbV	100
73) 1,2,4-trimethylbenzene	18.283	105	319945	4.510	ppbV	89
74) Benzyl Chloride	18.408	91	220323	5.068	ppbV	99
75) 1,3-dichlorobenzene	18.417	146	199243	4.476	ppbV	96
76) 1,4-dichlorobenzene	18.475	146	193201	4.416	ppbV	96
77) sec-butylbenzene	18.508	105	493203	4.709	ppbV	97
78) p-isopropyltoluene	18.642	119	453878	5.108	ppbV	100
79) 1,2-dichlorobenzene	18.758	146	219778	5.091	ppbV	91
80) n-butylbenzene	18.992	91	394583	4.948	ppbV	99
81) 1,2-dibromo-3-chloropr...	19.125	75	76138	4.619	ppbV	96
82) 1,2,4-trichlorobenzene	20.242	180	118396	4.750	ppbV	94
83) naphthalene	20.350	128	448907	4.967	ppbV	100
84) 1,2,3-trichlorobenzene	20.600	180	121640	4.439	ppbV	97
85) hexachlorobutadiene	20.675	225	99867	4.206	ppbV	96

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752226_Ev2.D
Acq On : 6 Nov 2025 3:39 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

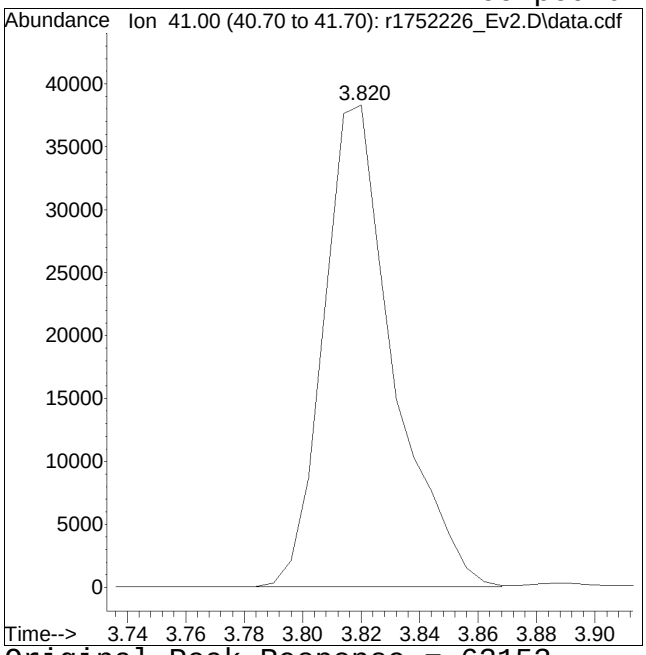
Quant Time: Nov 06 05:03:21 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Wed Jul 02 11:09:50 2025
Response via : Initial Calibration



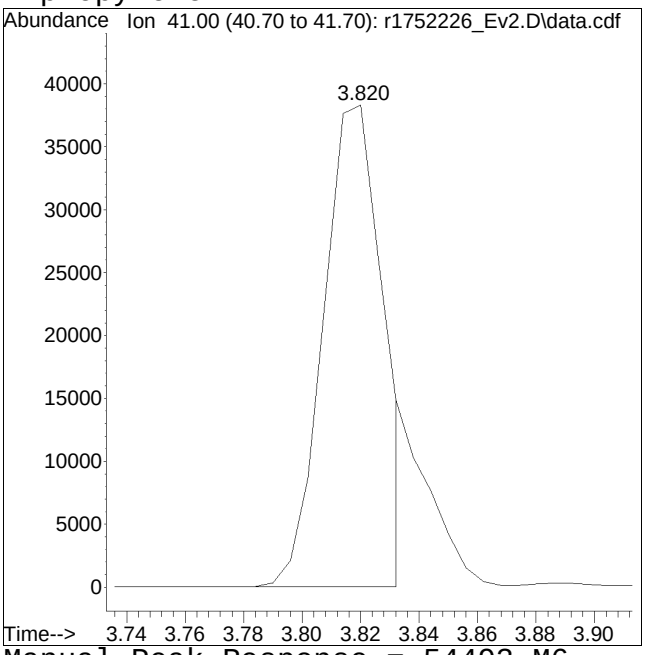
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752226_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 3:39 AM Instrument :
Sample : ITO15-SIMSTD5.0 Quant Date : 11/6/2025 5:03 am

Compound #2: propylene



Original Peak Response = 63153



Manual Peak Response = 54493 M6

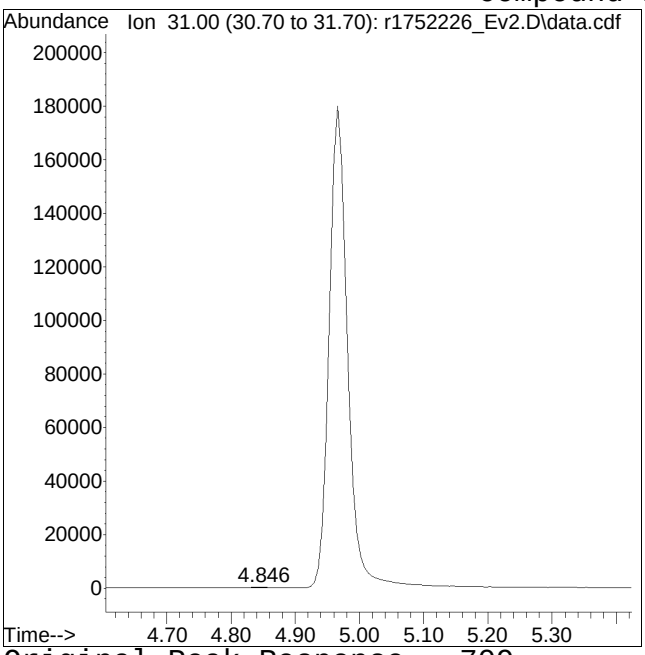
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

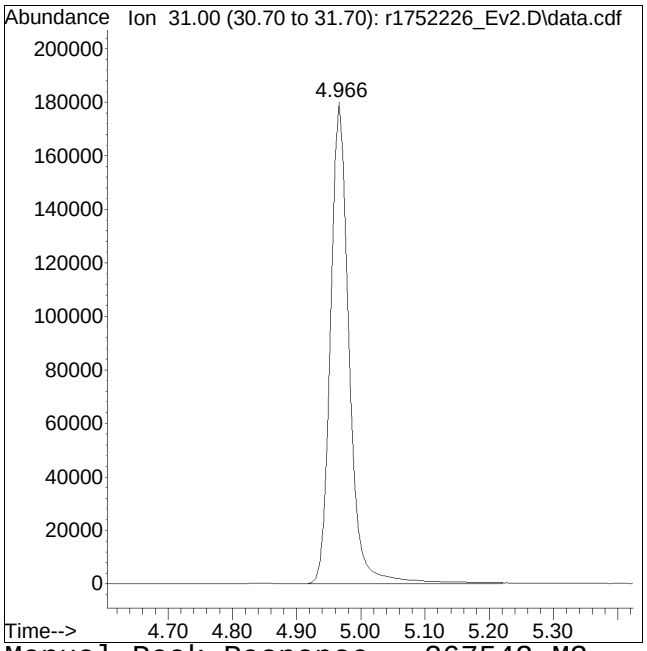
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752226_Ev2.D
Date Inj'd : 11/6/2025 3:39 AM
Sample : ITO15-SIMSTD5.0

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:03 am

Compound #10: ethanol



Original Peak Response = 709



Manual Peak Response = 267542 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\11\1105SIM_I\
Data File : r1752227_Ev2.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.833	49	165220	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 90.27%			
33) 1,4-difluorobenzene	11.050	114	505766	10.000	ppbV	0.00
Standard Area = 596044			Recovery = 84.85%			
51) chlorobenzene-D5	15.800	54	79263	10.000	ppbV	0.00
Standard Area = 87703			Recovery = 90.38%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.692	65	129492	11.426	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.26%			
53) toluene-D8	13.900	98	459829	9.444	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.44%			
67) bromofluorobenzene	17.192	95	310324	9.811	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.11%			
Target Compounds						Qvalue
2) propylene	3.814	41	114316M6	11.620	ppbV	
3) dichlorodifluoromethane	3.886	85	262817	10.428	ppbV	100
4) chloromethane	4.042	50	108466	9.976	ppbV	99
5) Freon-114	4.144	85	291248	9.994	ppbV	97
6) vinyl chloride	4.258	62	148769	9.827	ppbV	99
7) 1,3-butadiene	4.396	54	94697	10.105	ppbV	91
8) bromomethane	4.666	94	113725	10.393	ppbV	98
9) chloroethane	4.840	64	74467	10.475	ppbV	100
10) ethanol	4.966	31	552093	57.151	ppbV #	88
11) vinyl bromide	5.210	106	113909	11.074	ppbV	98
12) acrolein	5.327	56	74030	11.472	ppbV	99
13) acetone	5.460	43	773248	54.235	ppbV	99
14) trichlorofluoromethane	5.657	101	262377	10.875	ppbV	99
15) isopropyl alcohol	5.730	45	438134	27.417	ppbV	100
16) acrylonitrile	5.963	53	125454	11.409	ppbV	100
17) 1,1-dichloroethene	6.336	61	211978	11.019	ppbV	99
18) tertiary butyl alcohol	6.366	59	269574	10.942	ppbV	99
19) methylene chloride	6.474	49	144611	10.833	ppbV	98
20) 3-chloropropene	6.600	41	170877	11.133	ppbV	98
21) carbon disulfide	6.768	76	334570	11.064	ppbV	99
22) Freon 113	6.768	101	270117	11.057	ppbV	99
23) trans-1,2-dichloroethene	7.500	61	194033	11.059	ppbV	96
24) 1,1-dichloroethane	7.717	63	256600	11.032	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752227_Ev2.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.783	73	289582	11.103	ppbV		98
26) vinyl acetate	7.900	43	260775	12.340	ppbV		99
27) 2-butanone	8.142	43	242058	11.172	ppbV		99
28) cis-1,2-dichloroethene	8.658	61	201808	11.036	ppbV		97
29) Ethyl Acetate	8.917	61	48581	11.459	ppbV		89
30) chloroform	8.992	83	244773	10.755	ppbV		99
31) Tetrahydrofuran	9.408	42	131378	11.331	ppbV		100
32) 1,2-dichloroethane	9.817	62	159315	10.912	ppbV		99
34) hexane	8.908	57	242052	11.642	ppbV		99
36) 1,1,1-trichloroethane	10.108	97	229720	11.575	ppbV		98
37) benzene	10.623	78	438516	11.598	ppbV		100
38) carbon tetrachloride	10.797	117	214463	11.579	ppbV		99
39) cyclohexane	10.937	56	257036	11.661	ppbV		98
40) Dibromomethane	11.530	93	165412	11.704	ppbV	#	100
41) 1,2-dichloropropane	11.563	63	177485	11.867	ppbV		99
42) bromodichloromethane	11.790	83	236382	11.646	ppbV		98
43) 1,4-dioxane	11.823	88	104140	11.979	ppbV		99
44) trichloroethene	11.843	130	230650	11.486	ppbV		97
45) 2,2,4-trimethylpentane	11.897	57	782741	11.623	ppbV		100
46) heptane	12.210	43	244607	11.681	ppbV		100
47) cis-1,3-dichloropropene	12.858	75	199774	11.859	ppbV		99
48) 4-methyl-2-pentanone	12.883	43	292645	11.906	ppbV		100
49) trans-1,3-dichloropropene	13.475	75	142847	11.934	ppbV		98
50) 1,1,2-trichloroethane	13.683	97	190566	11.869	ppbV		97
52) toluene	14.008	91	588139	10.887	ppbV		100
54) 2-hexanone	14.300	43	271680	11.192	ppbV		98
55) dibromochloromethane	14.467	129	265218	11.100	ppbV		100
56) 1,2-dibromoethane	14.725	107	252471	11.115	ppbV		100
57) tetrachloroethene	15.200	166	214904	11.037	ppbV		98
58) 1,1,1,2-tetrachloroethane	15.833	131	230387	11.081	ppbV		99
59) chlorobenzene	15.842	112	443154	11.028	ppbV		96
60) ethylbenzene	16.200	91	761437	11.115	ppbV		98
61) m+p-xylene	16.367	91	1214257	22.227	ppbV		100
62) bromoform	16.433	173	193516	11.778	ppbV		99
63) styrene	16.692	104	455882	11.408	ppbV		98
64) 1,1,2,2-tetrachloroethane	16.783	83	391035	11.171	ppbV		100
65) o-xylene	16.792	91	611249	11.051	ppbV		98
66) 1,2,3-Trichloropropane	16.900	75	282627	11.039	ppbV		100
68) isopropylbenzene	17.308	105	787029	11.034	ppbV		100
69) Bromobenzene	17.383	77	384408	11.145	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752227_Ev2.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:07:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

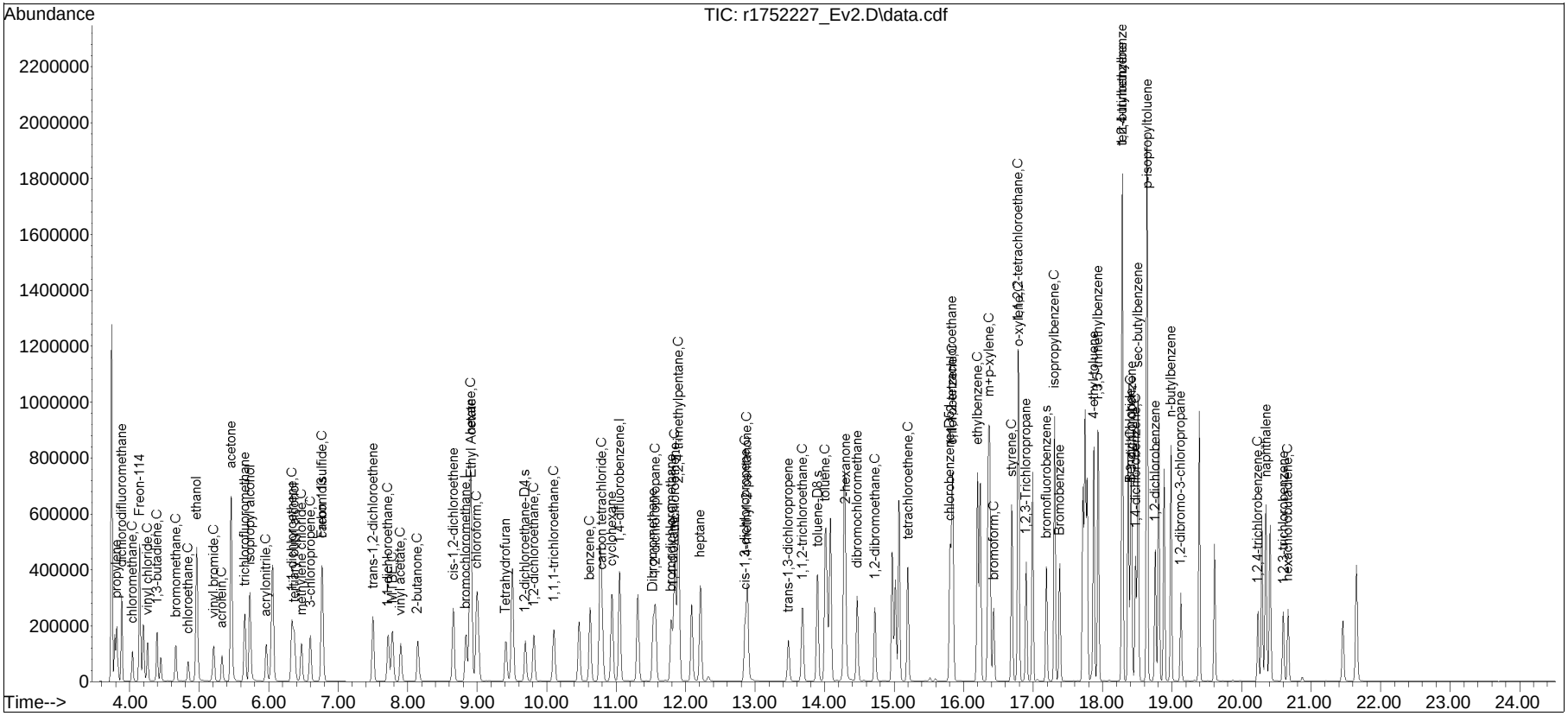
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.875	105	709286	11.034	ppbV	99
71) 1,3,5-trimethylbenzene	17.933	105	629409	11.001	ppbV	96
72) tert-butylbenzene	18.283	119	716503	10.844	ppbV	98
73) 1,2,4-trimethylbenzene	18.283	105	645352	11.159	ppbV	96
74) Benzyl Chloride	18.400	91	478638	12.019	ppbV	97
75) 1,3-dichlorobenzene	18.417	146	402042	11.164	ppbV	96
76) 1,4-dichlorobenzene	18.475	146	400383	11.465	ppbV	96
77) sec-butylbenzene	18.508	105	983267	11.030	ppbV	97
78) p-isopropyltoluene	18.642	119	889571	10.843	ppbV	96
79) 1,2-dichlorobenzene	18.758	146	423495	10.661	ppbV	97
80) n-butylbenzene	18.983	91	775765	10.877	ppbV	97
81) 1,2-dibromo-3-chloropr...	19.125	75	152608	11.089	ppbV	98
82) 1,2,4-trichlorobenzene	20.233	180	260309	12.164	ppbV	98
83) naphthalene	20.350	128	941527	11.604	ppbV	99
84) 1,2,3-trichlorobenzene	20.600	180	267354	12.160	ppbV	98
85) hexachlorobutadiene	20.667	225	204569	11.333	ppbV	99

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752227_Ev2.D
Acq On : 6 Nov 2025 4:19 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD010
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

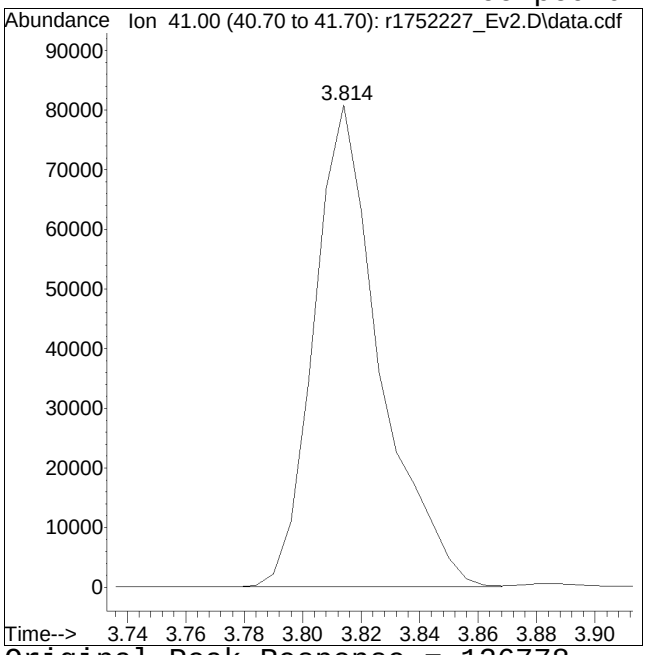
Quant Time: Nov 06 05:07:55 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration



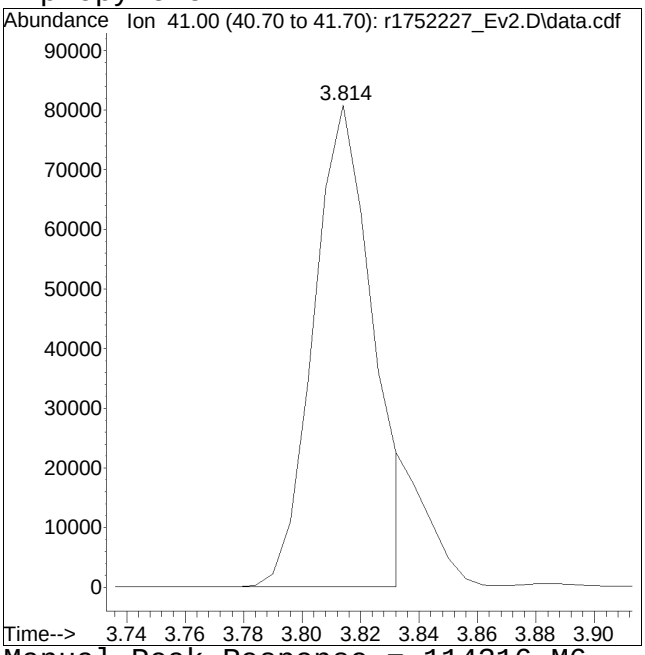
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752227_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 4:19 AM Instrument :
Sample : ITO15-SIMSTD010 Quant Date : 11/6/2025 5:07 am

Compound #2: propylene



Original Peak Response = 126778



Manual Peak Response = 114316 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752228_Ev2.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:08:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.833	49	169379	10.000	ppbV	0.00
Standard Area = 183031			Recovery = 92.54%			
33) 1,4-difluorobenzene	11.043	114	502934	10.000	ppbV	0.00
Standard Area = 596044			Recovery = 84.38%			
51) chlorobenzene-D5	15.800	54	75343	10.000	ppbV	# 0.00
Standard Area = 87703			Recovery = 85.91%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.692	65	130563	11.585	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.85%			
53) toluene-D8	13.892	98	497097	10.740	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.40%			
67) bromofluorobenzene	17.183	95	309854	10.306	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.06%			
Target Compounds						Qvalue
2) propylene	3.814	41	244165M6	24.209	ppbV	
3) dichlorodifluoromethane	3.886	85	499970	19.350	ppbV	100
4) chloromethane	4.036	50	208056	18.665	ppbV	98
5) Freon-114	4.144	85	553342	18.522	ppbV	96
6) vinyl chloride	4.258	62	271860	17.518	ppbV	98
7) 1,3-butadiene	4.390	54	183875	19.139	ppbV	81
8) bromomethane	4.660	94	209577	18.683	ppbV	100
9) chloroethane	4.840	64	135951	18.655	ppbV	99
10) ethanol	4.972	31	1019148	102.908	ppbV	90
11) vinyl bromide	5.207	106	251821	23.880	ppbV	99
12) acrolein	5.327	56	153108	23.144	ppbV	98
13) acetone	5.457	43	1623198	111.054	ppbV	97
14) trichlorofluoromethane	5.653	101	522398	21.120	ppbV	99
15) isopropyl alcohol	5.730	45	989492	60.399	ppbV	99
16) acrylonitrile	5.963	53	252100	22.363	ppbV	99
17) 1,1-dichloroethene	6.330	61	431443	21.876	ppbV	97
18) tertiary butyl alcohol	6.366	59	584740	23.152	ppbV	98
19) methylene chloride	6.468	49	287780	21.028	ppbV	98
20) 3-chloropropene	6.594	41	371159	23.588	ppbV	98
21) carbon disulfide	6.762	76	722133	23.295	ppbV	98
22) Freon 113	6.768	101	564695	22.548	ppbV	98
23) trans-1,2-dichloroethene	7.500	61	420567	23.382	ppbV	92
24) 1,1-dichloroethane	7.717	63	538910	22.601	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752228_Ev2.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:08:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.775	73	624288	23.348	ppbV		98
26) vinyl acetate	7.892	43	581427	26.837	ppbV		97
27) 2-butanone	8.142	43	524471	23.613	ppbV		98
28) cis-1,2-dichloroethene	8.650	61	421185	22.467	ppbV		100
29) Ethyl Acetate	8.908	61	110546	25.436	ppbV		80
30) chloroform	8.992	83	484839	20.781	ppbV		98
31) Tetrahydrofuran	9.408	42	287695	24.204	ppbV		95
32) 1,2-dichloroethane	9.808	62	319335	21.334	ppbV		99
34) hexane	8.900	57	509643	24.651	ppbV		99
36) 1,1,1-trichloroethane	10.100	97	503812	25.529	ppbV		100
37) benzene	10.623	78	901952	23.990	ppbV		99
38) carbon tetrachloride	10.797	117	432928	23.506	ppbV		99
39) cyclohexane	10.937	56	542180	24.735	ppbV		99
40) Dibromomethane	11.530	93	332690	23.673	ppbV	#	99
41) 1,2-dichloropropane	11.563	63	380297	25.571	ppbV		99
42) bromodichloromethane	11.790	83	495086	24.529	ppbV		98
43) 1,4-dioxane	11.817	88	228358	26.416	ppbV		99
44) trichloroethene	11.843	130	469650	23.520	ppbV		100
45) 2,2,4-trimethylpentane	11.890	57	1651054	24.655	ppbV		100
46) heptane	12.210	43	523732	25.150	ppbV		99
47) cis-1,3-dichloropropene	12.850	75	427827	25.540	ppbV		100
48) 4-methyl-2-pentanone	12.883	43	634490	25.959	ppbV		98
49) trans-1,3-dichloropropene	13.475	75	310306	26.069	ppbV		99
50) 1,1,2-trichloroethane	13.675	97	402203	25.191	ppbV		96
52) toluene	14.008	91	1203917	23.444	ppbV		100
54) 2-hexanone	14.292	43	588566	25.508	ppbV		99
55) dibromochloromethane	14.467	129	573372	25.246	ppbV		99
56) 1,2-dibromoethane	14.717	107	542885	25.144	ppbV		99
57) tetrachloroethene	15.192	166	447066	24.155	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.825	131	463512	23.454	ppbV		99
59) chlorobenzene	15.842	112	932396	24.409	ppbV		100
60) ethylbenzene	16.192	91	1563361	24.007	ppbV		99
61) m+p-xylene	16.358	91	2462740	47.425	ppbV		97
62) bromoform	16.425	173	425232	27.228	ppbV		99
63) styrene	16.692	104	972931	25.614	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.783	83	820770	24.668	ppbV		100
65) o-xylene	16.783	91	1229812	23.391	ppbV		97
66) 1,2,3-Trichloropropane	16.892	75	566877	23.294	ppbV		99
68) isopropylbenzene	17.308	105	1576439	23.252	ppbV		98
69) Bromobenzene	17.375	77	754979	23.027	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752228_Ev2.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:08:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

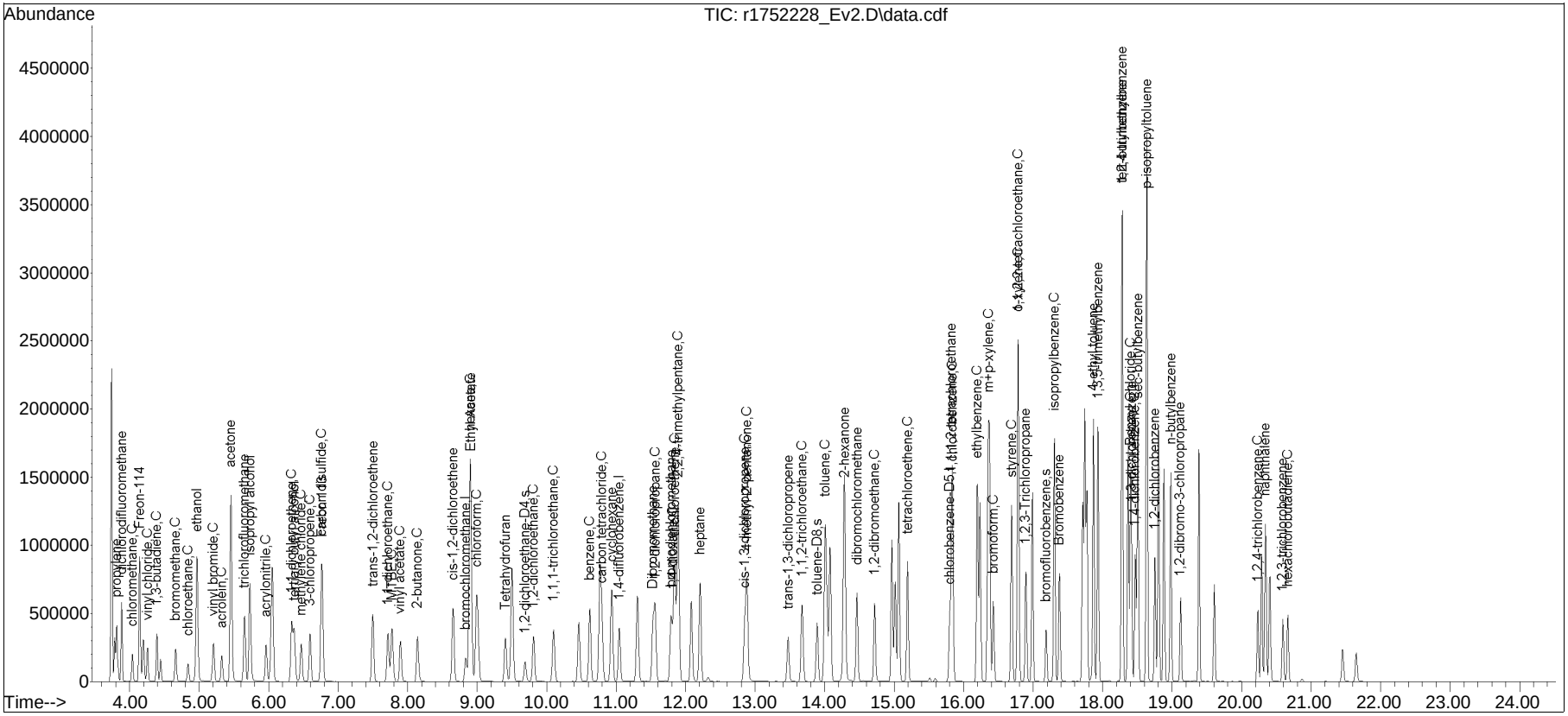
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	17.867	105	1521130	24.895	ppbV	99
71) 1,3,5-trimethylbenzene	17.933	105	1297065	23.850	ppbV	98
72) tert-butylbenzene	18.283	119	1403972	22.355	ppbV	97
73) 1,2,4-trimethylbenzene	18.283	105	1341954	24.412	ppbV	89
74) Benzyl Chloride	18.400	91	1100249	29.065	ppbV	100
75) 1,3-dichlorobenzene	18.417	146	861647	25.170	ppbV	92
76) 1,4-dichlorobenzene	18.467	146	850434	25.620	ppbV	99
77) sec-butylbenzene	18.508	105	1942566	22.924	ppbV	94
78) p-isopropyltoluene	18.633	119	1707673	21.898	ppbV	98
79) 1,2-dichlorobenzene	18.750	146	826331	21.883	ppbV	95
80) n-butylbenzene	18.983	91	1499644	22.120	ppbV	98
81) 1,2-dibromo-3-chloropr...	19.117	75	309536	23.662	ppbV	96
82) 1,2,4-trichlorobenzene	20.233	180	530781	26.093	ppbV	99
83) naphthalene	20.342	128	1721706	22.323	ppbV	99
84) 1,2,3-trichlorobenzene	20.592	180	484738	23.194	ppbV	99
85) hexachlorobutadiene	20.667	225	390598	22.764	ppbV	97

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752228_Ev2.D
Acq On : 6 Nov 2025 4:56 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD020
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:08:04 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:06:32 2025
Response via : Initial Calibration

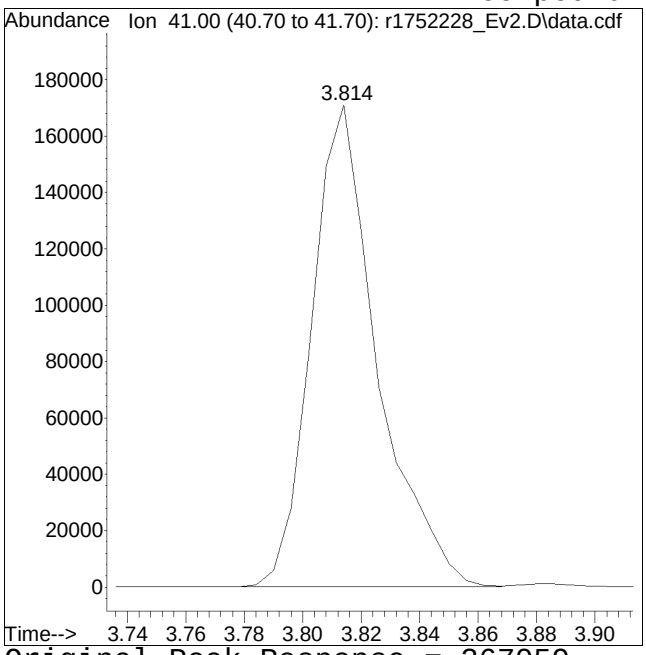


Manual Integration Report

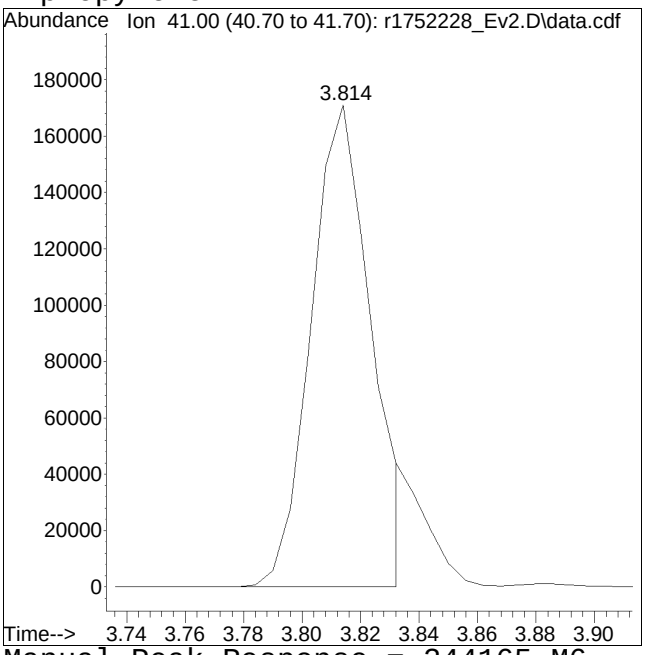
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752228_Ev2.D
Date Inj'd : 11/6/2025 4:56 AM
Sample : ITO15-SIMSTD020

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:08 am

Compound #2: propylene



Original Peak Response = 267059



Manual Peak Response = 244165 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752229_Ev2.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:22:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:12:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	8.833	49	169664	10.000	ppbV		0.00
Standard Area = 183031			Recovery = 92.70%				
33) 1,4-difluorobenzene	11.043	114	537386	10.000	ppbV		0.00
Standard Area = 596044			Recovery = 90.16%				
51) chlorobenzene-D5	15.800	54	76224	10.000	ppbV	#	0.00
Standard Area = 87703			Recovery = 86.91%				
System Monitoring Compounds							
35) 1,2-dichloroethane-D4	9.692	65	126573	9.552	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.52%				
53) toluene-D8	13.892	98	526754	11.436	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.36%				
67) bromofluorobenzene	17.183	95	340472	11.521	ppbV		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.21%				
Target Compounds							Qvalue
2) propylene	3.808	41	583518M6	47.042	ppbV		
3) dichlorodifluoromethane	3.880	85	1147052	44.343	ppbV		99
4) chloromethane	4.036	50	496859	46.376	ppbV		99
5) Freon-114	4.138	85	1305381	43.515	ppbV		94
6) vinyl chloride	4.252	62	642130	40.786	ppbV		99
7) 1,3-butadiene	4.390	54	437354	42.979	ppbV		84
8) bromomethane	4.660	94	494037	41.660	ppbV		100
9) chloroethane	4.840	64	318632	41.925	ppbV		99
10) ethanol	4.972	31	1935979	183.425	ppbV	#	68
11) vinyl bromide	5.203	106	616490	52.998	ppbV		100
12) acrolein	5.323	56	365470	53.445	ppbV		97
13) acetone	5.457	43	3800787	245.659	ppbV		98
14) trichlorofluoromethane	5.650	101	1212595	45.933	ppbV		99
15) isopropyl alcohol	5.733	45	2381733	135.783	ppbV		99
16) acrylonitrile	5.963	53	595522	52.180	ppbV		99
17) 1,1-dichloroethene	6.330	61	1018963	47.637	ppbV		96
18) tertiary butyl alcohol	6.372	59	1401330	54.312	ppbV		98
19) methylene chloride	6.468	49	675004	47.221	ppbV		96
20) 3-chloropropene	6.594	41	913217	53.726	ppbV		96
21) carbon disulfide	6.762	76	1737034	53.427	ppbV		97
22) Freon 113	6.762	101	1364048	50.959	ppbV		96
23) trans-1,2-dichloroethene	7.492	61	1008582	51.304	ppbV		96
24) 1,1-dichloroethane	7.717	63	1313542	50.631	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752229_Ev2.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:22:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:12:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.775	73	1521355	52.550	ppbV		96
26) vinyl acetate	7.892	43	1505302	62.339	ppbV		97
27) 2-butanone	8.142	43	1281215	54.815	ppbV		96
28) cis-1,2-dichloroethene	8.650	61	1008256	50.518	ppbV		98
29) Ethyl Acetate	8.917	61	269787	58.953	ppbV		69
30) chloroform	8.992	83	1124514	44.469	ppbV		100
31) Tetrahydrofuran	9.400	42	710147	56.135	ppbV		96
32) 1,2-dichloroethane	9.808	62	743921	45.190	ppbV		99
34) hexane	8.900	57	1167772	46.782	ppbV		100
36) 1,1,1-trichloroethane	10.100	97	1168280	48.162	ppbV		99
37) benzene	10.623	78	2145239	47.471	ppbV		98
38) carbon tetrachloride	10.790	117	1027573	48.297	ppbV		98
39) cyclohexane	10.930	56	1278961	48.729	ppbV		98
40) Dibromomethane	11.530	93	783193	46.130	ppbV	#	97
41) 1,2-dichloropropane	11.557	63	938544	51.743	ppbV		98
42) bromodichloromethane	11.783	83	1161815	47.619	ppbV		98
43) 1,4-dioxane	11.817	88	550840	53.309	ppbV		100
44) trichloroethene	11.843	130	1116245	46.723	ppbV		99
45) 2,2,4-trimethylpentane	11.890	57	3838024	47.666	ppbV		98
46) heptane	12.203	43	1264302	51.105	ppbV		96
47) cis-1,3-dichloropropene	12.850	75	1051568	54.592	ppbV		99
48) 4-methyl-2-pentanone	12.875	43	1547196	53.674	ppbV		99
49) trans-1,3-dichloropropene	13.475	75	761611	55.529	ppbV		100
50) 1,1,2-trichloroethane	13.675	97	978933	50.209	ppbV		95
52) toluene	14.008	91	2826622	51.338	ppbV		100
54) 2-hexanone	14.292	43	1452840	72.312	ppbV		99
55) dibromochloromethane	14.467	129	1367844	56.357	ppbV		99
56) 1,2-dibromoethane	14.717	107	1335742	57.317	ppbV		99
57) tetrachloroethene	15.192	166	1079877	51.522	ppbV		95
58) 1,1,1,2-tetrachloroethane	15.825	131	1095080	52.208	ppbV		99
59) chlorobenzene	15.842	112	2269322	54.197	ppbV		100
60) ethylbenzene	16.192	91	3652813	52.050	ppbV		95
61) m+p-xylene	16.367	91	5717345	102.561	ppbV		92
62) bromoform	16.425	173	1052578	62.676	ppbV		98
63) styrene	16.692	104	2401945	61.962	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.783	83	1955564	52.270	ppbV		100
65) o-xylene	16.783	91	2800671	49.445	ppbV		90
66) 1,2,3-Trichloropropane	16.892	75	1377089	54.517	ppbV		98
68) isopropylbenzene	17.308	105	3803946	54.764	ppbV		97
69) Bromobenzene	17.375	77	1823164	55.275	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752229_Ev2.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:22:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:12:21 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

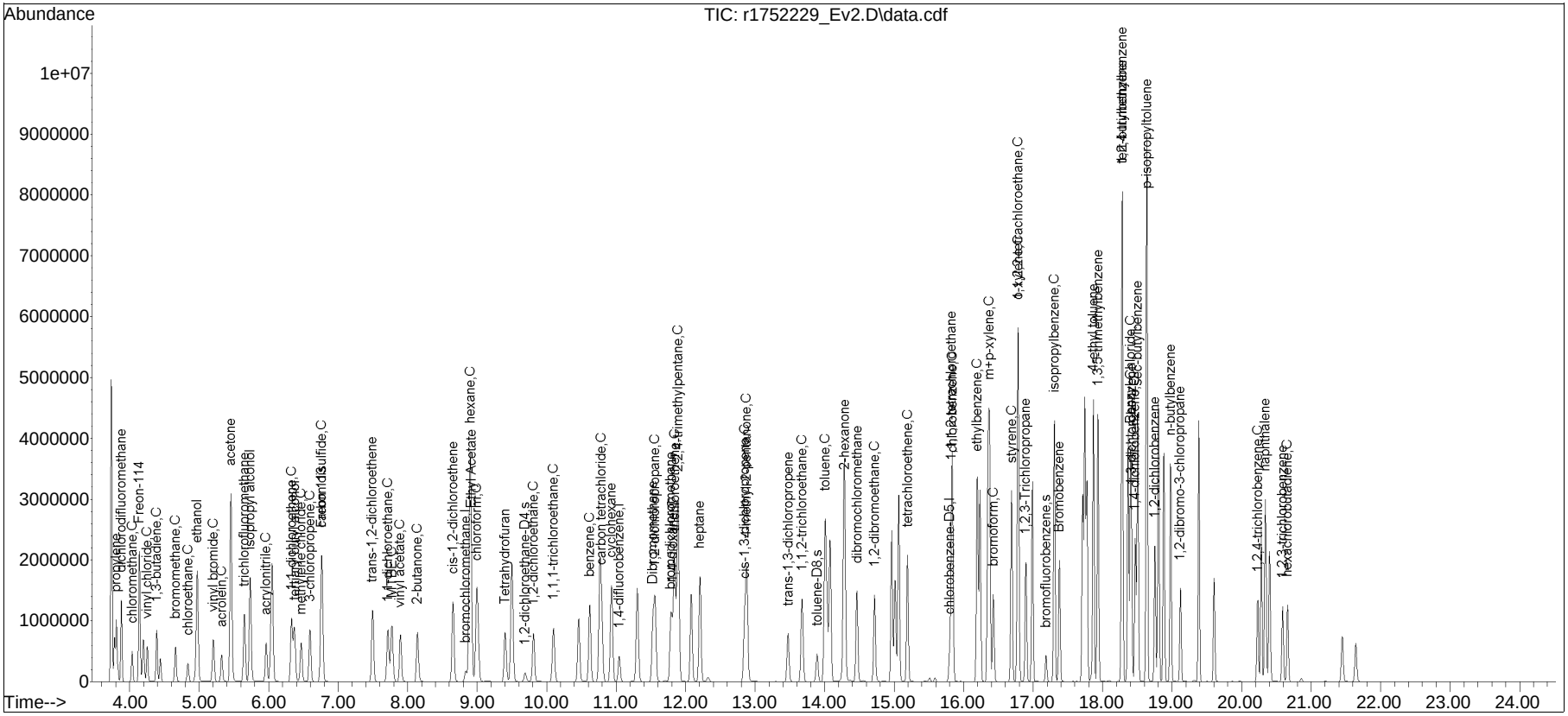
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.867	105	3708036	58.057	ppbV		99
71) 1,3,5-trimethylbenzene	17.933	105	3158301	54.264	ppbV		98
72) tert-butylbenzene	18.283	119	3298201	51.585	ppbV		96
73) 1,2,4-trimethylbenzene	18.283	105	3205338	54.865	ppbV	#	86
74) Benzyl Chloride	18.400	91	2717594	74.104	ppbV		97
75) 1,3-dichlorobenzene	18.417	146	2155930	64.082	ppbV		92
76) 1,4-dichlorobenzene	18.467	146	2121115	63.626	ppbV		98
77) sec-butylbenzene	18.500	105	4679010	54.422	ppbV		100
78) p-isopropyltoluene	18.633	119	3951180	49.710	ppbV		98
79) 1,2-dichlorobenzene	18.750	146	2010981	55.018	ppbV		95
80) n-butylbenzene	18.975	91	3524118	53.070	ppbV		98
81) 1,2-dibromo-3-chloropr...	19.117	75	776634	61.520	ppbV		94
82) 1,2,4-trichlorobenzene	20.233	180	1406430	73.983	ppbV		97
83) naphthalene	20.342	128	4375021	58.236	ppbV		98
84) 1,2,3-trichlorobenzene	20.592	180	1304304	65.212	ppbV		97
85) hexachlorobutadiene	20.658	225	1015321	54.796	ppbV		97

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752229_Ev2.D
Acq On : 6 Nov 2025 5:34 AM
Operator : AIRLAB17:BJB
Sample : ITO15-SIMSTD050
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 05:22:49 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 05:12:21 2025
Response via : Initial Calibration

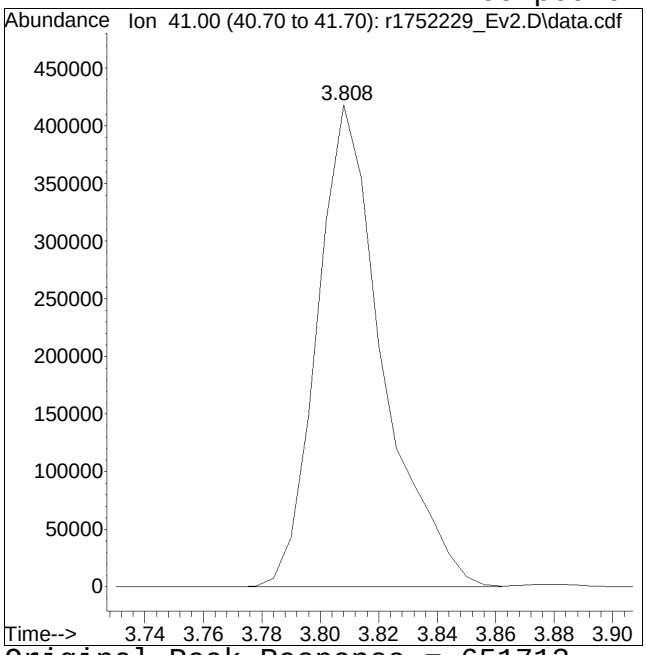


Manual Integration Report

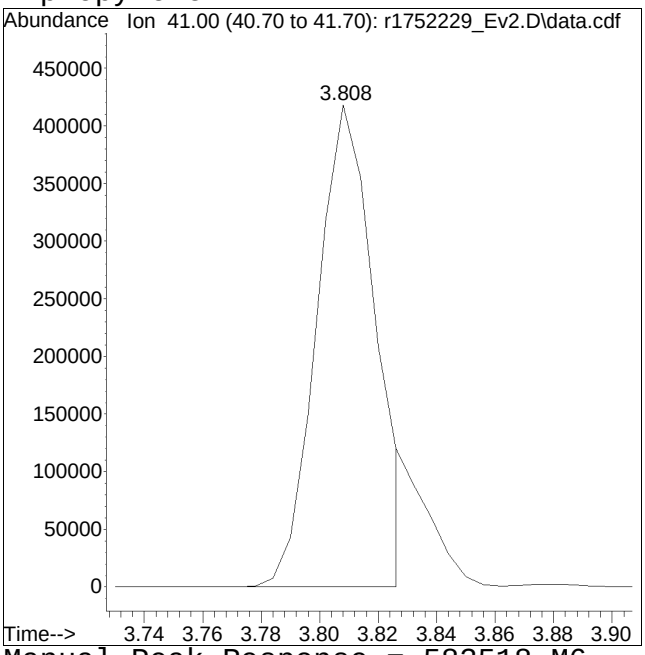
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752229_Ev2.D
Date Inj'd : 11/6/2025 5:34 AM
Sample : ITO15-SIMSTD050

Method : TSIM17_251105.M
Operator : AIRLAB17:BJB
Instrument :
Quant Date : 11/6/2025 5:22 am

Compound #2: propylene



Original Peak Response = 651713



Manual Peak Response = 583518 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	91	-0.03
2		propylene	0.676	0.734	-8.6	113	-0.02
3		dichlorodifluoromethane	1.500	1.515	-1.0	91	-0.02
4	C	chloromethane	0.625	0.613	1.9	85	-0.02
5		Freon-114	1.743	1.880	-7.9	98	-0.02
6	C	vinyl chloride	0.911	0.837	8.1	84	-0.02
7	C	1,3-butadiene	0.591	0.542	8.3	87	-0.03
8	C	bromomethane	0.687	0.704	-2.5	97	-0.02
9	C	chloroethane	0.440	0.426	3.2	91	-0.03
10		ethanol	0.589	0.614	-4.2	96	-0.02
11	C	vinyl bromide	0.690	0.791	-14.6	116	-0.03
12	C	acrolein	0.431	0.332	23.0	78	-0.03
13		acetone	0.910	0.929	-2.1	98	-0.03
14		trichlorofluoromethane	1.542	1.639	-6.3	103	-0.03
15		isopropyl alcohol	1.047	0.974	7.0	92	-0.03
16	C	acrylonitrile	0.677	0.607	10.3	83	-0.03
17	C	1,1-dichloroethene	1.255	1.399	-11.5	110	-0.03
18		tertiary butyl alcohol	1.543	1.424	7.7	87	-0.03
19	C	methylene chloride	0.835	0.895	-7.2	101	-0.03
20	C	3-chloropropene	1.010	1.183	-17.1	117	-0.03
21	C	carbon disulfide	1.935	2.176	-12.5	109	-0.04
22		Freon 113	1.581	1.868	-18.2	116	-0.03
23		trans-1,2-dichloroethene	1.162	1.262	-8.6	109	-0.03
24	C	1,1-dichloroethane	1.531	1.740	-13.7	113	-0.03
25	C	MTBE	1.715	1.902	-10.9	110	-0.03
26	C	vinyl acetate	1.482	0.988	33.3#	71	-0.03
27	C	2-butanone	1.400	1.502	-7.3	105	-0.03
28		cis-1,2-dichloroethene	1.178	1.326	-12.6	110	-0.03
29		Ethyl Acetate	0.278	0.321	-15.5	115	-0.03
30	C	chloroform	1.474	1.463	0.7	97	-0.03
31		Tetrahydrofuran	0.761	0.951	-25.0	124	-0.03
32	C	1,2-dichloroethane	0.961	0.959	0.2	99	-0.03
33	I	1,4-difluorobenzene	1.000	1.000	0.0	96	-0.03
34	C	hexane	0.460	0.440	4.3	103	-0.03
35	s	1,2-dichloroethane-D4	0.245	0.220	10.2	94	-0.03
36	C	1,1,1-trichloroethane	0.450	0.412	8.4	101	-0.03
37	C	benzene	0.836	0.807	3.5	104	-0.03
38	C	carbon tetrachloride	0.395	0.379	4.1	99	-0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39		cyclohexane	0.487	0.462	5.1	102	-0.03
40		Dibromomethane	0.313	0.271	13.4	93	-0.03
41	C	1,2-dichloropropane	0.339	0.360	-6.2	117	-0.03
42		bromodichloromethane	0.452	0.420	7.1	101	-0.03
43	C	1,4-dioxane	0.194	0.188	3.1	105	-0.03
44	C	trichloroethene	0.441	0.426	3.4	103	-0.03
45	C	2,2,4-trimethylpentane	1.488	1.455	2.2	105	-0.03
46		heptane	0.462	0.477	-3.2	111	-0.03
47	C	cis-1,3-dichloropropene	0.362	0.420	-16.0	121	-0.03
48	C	4-methyl-2-pentanone	0.543	0.555	-2.2	110	-0.03
49		trans-1,3-dichloropropene	0.258	0.328	-27.1	133	-0.03
50	C	1,1,2-trichloroethane	0.362	0.377	-4.1	114	-0.03
51	I	chlorobenzene-D5	1.000	1.000	0.0	89	-0.02
52	C	toluene	7.248	8.130	-12.2	106	-0.03
53	s	toluene-D8	6.167	6.757	-9.6	98	-0.03
54		2-hexanone	3.092	3.595	-16.3	104	-0.03
55		dibromochloromethane	3.194	3.535	-10.7	104	-0.03
56	C	1,2-dibromoethane	3.100	3.890	-25.5	121	-0.03
57	C	tetrachloroethene	2.758	2.983	-8.2	108	-0.02
58		1,1,1,2-tetrachloroethane	2.764	2.664	3.6	90	-0.03
59	C	chlorobenzene	5.539	6.354	-14.7	111	-0.03
60	C	ethylbenzene	9.245	10.456	-13.1	108	-0.02
61	C	m+p-xylene	7.332	8.388	-14.4	108	-0.03
62	C	bromoform	2.259	2.496	-10.5	107	-0.02
63	C	styrene	5.207	6.812	-30.8#	120	-0.02
64	C	1,1,2,2-tetrachloroethane	4.931	5.399	-9.5	109	-0.02
65	C	o-xylene	7.423	8.566	-15.4	109	-0.03
66		1,2,3-Trichloropropane	3.344	3.402	-1.7	94	-0.02
67	s	bromofluorobenzene	3.961	4.439	-12.1	99	-0.02
68	C	isopropylbenzene	9.237	9.993	-8.2	99	-0.02
69		Bromobenzene	4.388	4.500	-2.6	92	-0.02
70		4-ethyl toluene	8.514	10.291	-20.9	113	-0.02
71		1,3,5-trimethylbenzene	7.701	9.652	-25.3	119	-0.02
72		tert-butylbenzene	8.426	8.866	-5.2	95	-0.02
73		1,2,4-trimethylbenzene	7.739	9.697	-25.3	118	-0.02
74	C	Benzyl Chloride	5.101	5.221	-2.4	92	-0.02
75		1,3-dichlorobenzene	4.468	5.928	-32.7#	116	-0.02
76	C	1,4-dichlorobenzene	4.491	5.805	-29.3	117	-0.02

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
77		sec-butylbenzene	11.422	12.244	-7.2	97	0.00
78		p-isopropyltoluene	10.419	10.607	-1.8	91	0.00
79		1,2-dichlorobenzene	4.843	5.939	-22.6	105	0.00
80		n-butylbenzene	8.788	10.095	-14.9	100	0.00
81		1,2-dibromo-3-chloropropane	1.694	1.723	-1.7	88	0.02
82	C	1,2,4-trichlorobenzene	2.627	3.717	-41.5#	122	0.04
83		naphthalene	10.036	10.746	-7.1	93	0.04
84		1,2,3-trichlorobenzene	2.713	3.224	-18.8	103	0.04
85	C	hexachlorobutadiene	2.457	3.087	-25.6	120	0.04

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.808	49	167414	10.000	ppbV	-0.03
Standard Area = 183031			Recovery = 91.47%			
33) 1,4-difluorobenzene	11.023	114	572545	10.000	ppbV	-0.03
Standard Area = 596044			Recovery = 96.06%			
51) chlorobenzene-D5	15.783	54	77941	10.000	ppbV	#-0.02
Standard Area = 87703			Recovery = 88.87%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	9.667	65	126081	8.988	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.88%			
53) toluene-D8	13.867	98	526673	10.957	ppbV	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.57%			
67) bromofluorobenzene	17.175	95	345967	11.205	ppbV	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.05%			
Target Compounds						Qvalue
2) propylene	3.796	41	61464M6	5.430	ppbV	
3) dichlorodifluoromethane	3.868	85	126823	5.050	ppbV	99
4) chloromethane	4.024	50	51350	4.908	ppbV	98
5) Freon-114	4.126	85	157391	5.395	ppbV	94
6) vinyl chloride	4.240	62	70047	4.594	ppbV	98
7) 1,3-butadiene	4.372	54	45341	4.580	ppbV	80
8) bromomethane	4.642	94	58970	5.125	ppbV	99
9) chloroethane	4.816	64	35659	4.842	ppbV	97
10) ethanol	4.942	31	257030	26.068	ppbV	89
11) vinyl bromide	5.183	106	66253	5.734	ppbV	99
12) acrolein	5.303	56	27758	3.850	ppbV	97
13) acetone	5.433	43	388892	25.537	ppbV	98
14) trichlorofluoromethane	5.630	101	137184	5.314	ppbV	100
15) isopropyl alcohol	5.703	45	203811	11.632	ppbV	100
16) acrylonitrile	5.937	53	50844	4.487	ppbV	99
17) 1,1-dichloroethene	6.306	61	117071	5.573	ppbV	97
18) tertiary butyl alcohol	6.342	59	119181	4.615	ppbV	100
19) methylene chloride	6.444	49	74886	5.359	ppbV	96
20) 3-chloropropene	6.570	41	99063	5.858	ppbV	97
21) carbon disulfide	6.738	76	182132	5.622	ppbV	98
22) Freon 113	6.744	101	156332	5.906	ppbV	96
23) trans-1,2-dichloroethene	7.475	61	105637	5.432	ppbV	91
24) 1,1-dichloroethane	7.692	63	145679	5.684	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	7.750	73	159178	5.544	ppbV		97
26) vinyl acetate	7.875	43	82730	3.335	ppbV		98
27) 2-butanone	8.117	43	125712	5.365	ppbV		99
28) cis-1,2-dichloroethene	8.625	61	110995	5.630	ppbV		99
29) Ethyl Acetate	8.892	61	26897	5.784	ppbV		95
30) chloroform	8.958	83	122461	4.963	ppbV		100
31) Tetrahydrofuran	9.383	42	79610	6.250	ppbV		99
32) 1,2-dichloroethane	9.783	62	80247	4.988	ppbV		99
34) hexane	8.883	57	125906	4.778	ppbV		98
36) 1,1,1-trichloroethane	10.075	97	118048	4.585	ppbV		99
37) benzene	10.597	78	231157	4.828	ppbV		98
38) carbon tetrachloride	10.770	117	108479	4.802	ppbV		99
39) cyclohexane	10.910	56	132201	4.745	ppbV		97
40) Dibromomethane	11.503	93	77719	4.334	ppbV	#	98
41) 1,2-dichloropropane	11.537	63	102934	5.308	ppbV		98
42) bromodichloromethane	11.763	83	120348	4.652	ppbV		97
43) 1,4-dioxane	11.803	88	53730	4.841	ppbV		97
44) trichloroethene	11.817	130	122041	4.831	ppbV		98
45) 2,2,4-trimethylpentane	11.870	57	416578	4.889	ppbV		99
46) heptane	12.183	43	136452	5.161	ppbV		95
47) cis-1,3-dichloropropene	12.825	75	120322	5.810	ppbV		99
48) 4-methyl-2-pentanone	12.867	43	158781	5.107	ppbV		98
49) trans-1,3-dichloropropene	13.450	75	93991	6.362	ppbV		97
50) 1,1,2-trichloroethane	13.650	97	107967	5.204	ppbV		94
52) toluene	13.983	91	316816	5.609	ppbV		99
54) 2-hexanone	14.275	43	140082	5.813	ppbV		95
55) dibromochloromethane	14.442	129	137778	5.535	ppbV		99
56) 1,2-dibromoethane	14.700	107	151578	6.273	ppbV		98
57) tetrachloroethene	15.175	166	116238	5.407	ppbV		97
58) 1,1,1,2-tetrachloroethane	15.808	131	103806	4.819	ppbV		99
59) chlorobenzene	15.825	112	247600	5.735	ppbV		100
60) ethylbenzene	16.183	91	407463	5.655	ppbV		95
61) m+p-xylene	16.342	91	653738	11.439	ppbV		95
62) bromoform	16.408	173	97253	5.523	ppbV		99
63) styrene	16.675	104	265468	6.541	ppbV		95
64) 1,1,2,2-tetrachloroethane	16.767	83	210391	5.475	ppbV		99
65) o-xylene	16.767	91	333810	5.770	ppbV		98
66) 1,2,3-Trichloropropane	16.883	75	132597	5.088	ppbV		99
68) isopropylbenzene	17.292	105	389443	5.410	ppbV		97
69) Bromobenzene	17.367	77	175364	5.127	ppbV		95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\r1752226_Ev2.D
Sub List : Default - All compounds listed

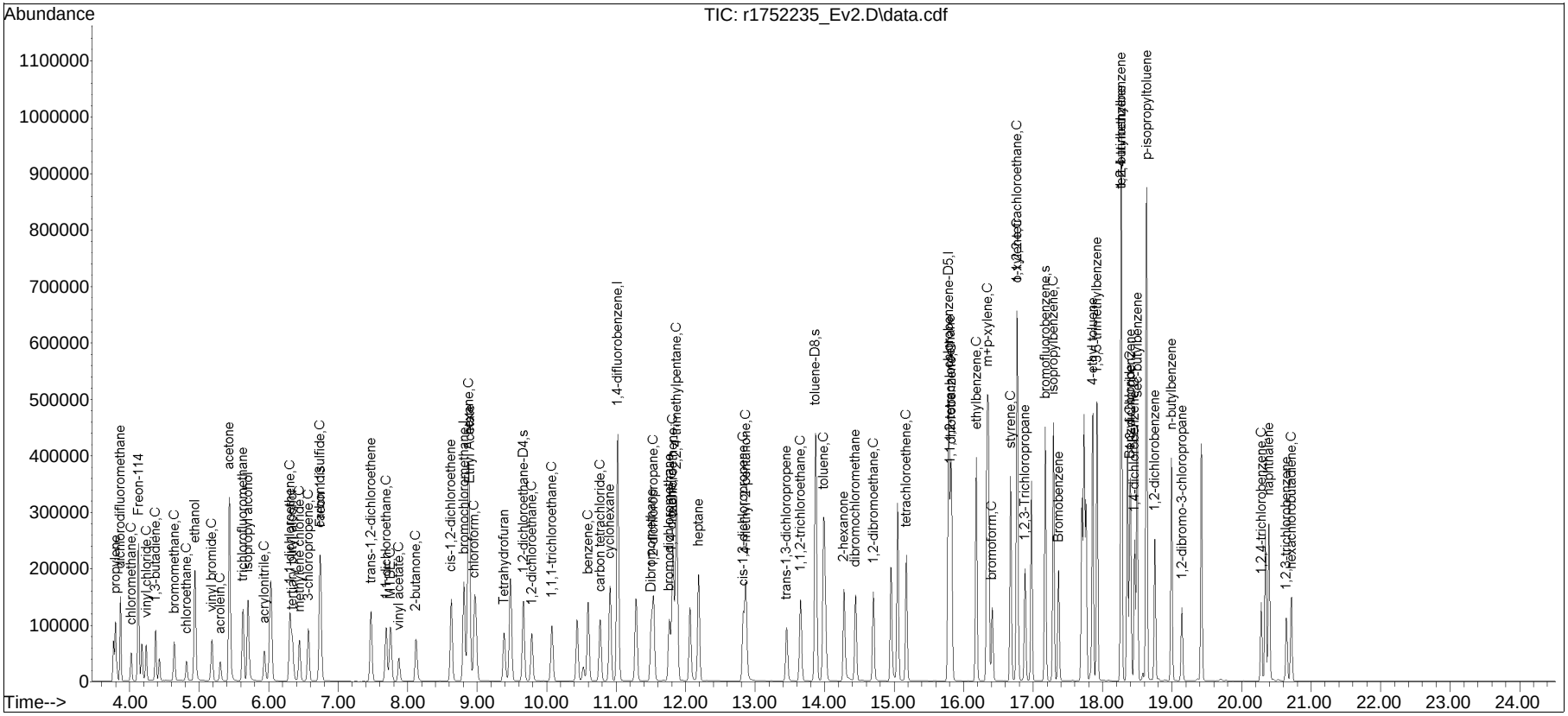
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	17.858	105	401047	6.043	ppbV		97
71) 1,3,5-trimethylbenzene	17.917	105	376138	6.267	ppbV		93
72) tert-butylbenzene	18.267	119	345531	5.261	ppbV		100
73) 1,2,4-trimethylbenzene	18.267	105	377903	6.265	ppbV	#	87
74) Benzyl Chloride	18.392	91	203448	5.117	ppbV		99
75) 1,3-dichlorobenzene	18.400	146	231022	6.634	ppbV		98
76) 1,4-dichlorobenzene	18.458	146	226224	6.464	ppbV		98
77) sec-butylbenzene	18.500	105	477146	5.360	ppbV		96
78) p-isopropyltoluene	18.633	119	413353	5.090	ppbV		97
79) 1,2-dichlorobenzene	18.750	146	231446	6.131	ppbV		98
80) n-butylbenzene	18.992	91	393400	5.743	ppbV		98
81) 1,2-dibromo-3-chloropr...	19.142	75	67148	5.085	ppbV		96
82) 1,2,4-trichlorobenzene	20.283	180	144866	7.076	ppbV		99
83) naphthalene	20.392	128	418784	5.354	ppbV		100
84) 1,2,3-trichlorobenzene	20.642	180	125649	5.943	ppbV		99
85) hexachlorobutadiene	20.717	225	120301	6.283	ppbV		98

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

Sub List : Default - All compounds listed1\1105SIM_I\r1752226_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\
Data File : r1752235_Ev2.D
Acq On : 6 Nov 2025 12:04 PM
Operator : AIRLAB17:BJB
Sample : CTO15-SIMSTD5.0
Misc : WG2138292
ALS Vial : 0 Sample Multiplier: 1

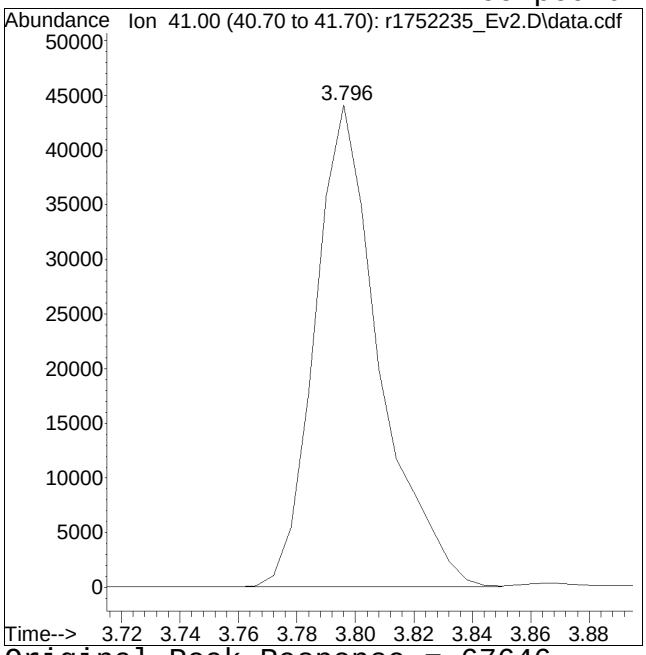
Quant Time: Nov 06 18:55:25 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\11\1105SIM_I\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration



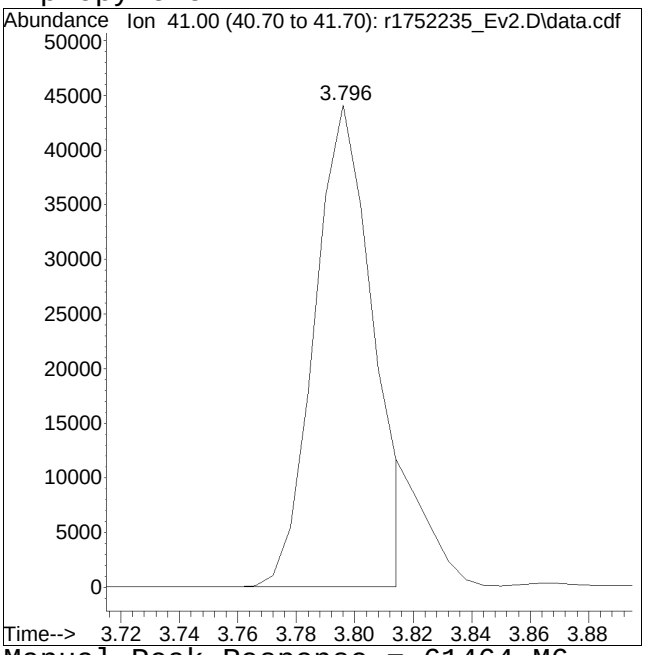
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752235_Ev2.D Operator : AIRLAB17:BJB
Date Inj'd : 11/6/2025 12:04 PM Instrument :
Sample : CTO15-SIMSTD5.0 Quant Date : 11/6/2025 6:55 pm

Compound #2: propylene



Original Peak Response = 67646



Manual Peak Response = 61464 M6

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB17		**Calibration Date**	: 12/18/25 14:09	
Lab File ID	: R1752983_EV2		**Init. Calib. Date(s)**	: 11/05/25	11/06/25
Sample No	: WG2155820-2		**Init. Calib. Times**	: 23:54	05:34
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	124	-.08
propylene	0.676	0.482	-	28.7	30	101	-.05
dichlorodifluoromethane	1.5	1.318	-	12.1	30	107	-.05
chloromethane	0.625	0.539	-	13.8	30	102	-.04
Freon-114	1.743	1.594	-	8.5	30	112	-.05
vinyl chloride	0.911	0.687	-	24.6	30	93	-.05
1,3-butadiene	0.591	0.51	-	13.7	30	112	-.05
bromomethane	0.687	0.627	-	8.7	30	118	-.05
chloroethane	0.44	0.324	-	26.4	30	94	-.05
ethanol	0.589	0.463	-	21.4	30	98	-.05
vinyl bromide	0.69	0.546	-	20.9	30	109	-.06
acrolein	0.431	0.255	-	40.8*	30	81	-.06
acetone	0.91	0.707	-	22.3	30	102	-.06
trichlorofluoromethane	1.542	1.26	-	18.3	30	107	-.06
isopropyl alcohol	1.047	0.794	-	24.2	30	102	-.06
acrylonitrile	0.677	0.499	-	26.3	30	93	-.06
1,1-dichloroethene	1.255	0.974	-	22.4	30	104	-.07
tertiary butyl alcohol	1.543	1.004	-	34.9*	30	84	-.07
methylene chloride	0.835	0.808	-	3.2	30	124	-.07
3-chloropropene	1.01	0.782	-	22.6	30	104	-.07
carbon disulfide	1.935	1.741	-	10	30	118	-.07
Freon 113	1.581	1.29	-	18.4	30	108	-.07
trans-1,2-dichloroethene	1.162	0.852	-	26.7	30	100	-.07
1,1-dichloroethane	1.531	1.148	-	25	30	101	-.07
MTBE	1.715	1.355	-	21	30	107	-.07
vinyl acetate	1.482	0.613	-	58.6*	30	59	-.08
2-butanone	1.4	1.092	-	22	30	103	-.07
cis-1,2-dichloroethene	1.178	0.903	-	23.3	30	101	-.07
Ethyl Acetate	0.278	0.202	-	27.3	30	98	-.08
chloroform	1.474	1.328	-	9.9	30	120	-.07
Tetrahydrofuran	0.761	0.638	-	16.2	30	113	-.07
1,2-dichloroethane	0.961	0.74	-	23	30	104	-.07
1,4-difluorobenzene	1	1	-	0	30	115	-.07
hexane	0.46	0.358	-	22.2	30	101	-.07
1,1,1-trichloroethane	0.45	0.363	-	19.3	30	107	-.07
benzene	0.836	0.751	-	10.2	30	116	-.07
carbon tetrachloride	0.395	0.376	-	4.8	30	119	-.07
cyclohexane	0.487	0.385	-	20.9	30	102	-.07
Dibromomethane	0.313	0.241	-	23	30	100	-.07
1,2-dichloropropane	0.339	0.261	-	23	30	102	-.07
bromodichloromethane	0.452	0.423	-	6.4	30	122	-.07
1,4-dioxane	0.194	0.148	-	23.7	30	100	-.07
trichloroethene	0.441	0.372	-	15.6	30	108	-.07

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Stantec		**Lab Number**	: L2577500	
Project Name	: BELLE HARBOR		**Project Number**	: 195601412	
Instrument ID	: AIRLAB17		**Calibration Date**	: 12/18/25 14:09	
Lab File ID	: R1752983_EV2		**Init. Calib. Date(s)**	: 11/05/25	11/06/25
Sample No	: WG2155820-2		**Init. Calib. Times**	: 23:54	05:34
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.488	1.177	-	20.9	30	102	-.07
heptane	0.462	0.398	-	13.9	30	111	-.07
cis-1,3-dichloropropene	0.362	0.365	-	-0.8	30	127	-.07
4-methyl-2-pentanone	0.543	0.46	-	15.3	30	109	-.07
trans-1,3-dichloropropene	0.258	0.288	-	-11.6	30	141	-.07
1,1,2-trichloroethane	0.362	0.302	-	16.6	30	110	-.07
chlorobenzene-D5	1	1	-	0	30	110	-.05
toluene	7.248	6.454	-	11	30	104	-.07
2-hexanone	3.092	2.759	-	10.8	30	99	-.05
dibromochloromethane	3.194	3.167	-	0.8	30	116	-.06
1,2-dibromoethane	3.1	3.236	-	-4.4	30	124	-.06
tetrachloroethene	2.758	2.467	-	10.6	30	111	-.06
1,1,1,2-tetrachloroethane	2.764	2.286	-	17.3	30	96	-.05
chlorobenzene	5.539	5.42	-	2.1	30	118	-.06
ethylbenzene	9.245	8.119	-	12.2	30	104	-.05
m+p-xylene	7.332	6.678	-	8.9	30	107	-.05
bromoform	2.259	2.125	-	5.9	30	113	-.05
styrene	5.207	4.967	-	4.6	30	109	-.05
1,1,2,2-tetrachloroethane	4.931	5	-	-1.4	30	125	-.05
o-xylene	7.423	6.815	-	8.2	30	108	-.05
1,2,3-Trichloropropane	3.344	3.112	-	6.9	30	106	-.05
isopropylbenzene	9.237	7.708	-	16.6	30	94	-.05
Bromobenzene	4.388	4.19	-	4.5	30	106	-.05
4-ethyl toluene	8.514	7.775	-	8.7	30	106	-.05
1,3,5-trimethylbenzene	7.701	7.52	-	2.4	30	115	-.05
tert-butylbenzene	8.426	7.327	-	13	30	97	-.05
1,2,4-trimethylbenzene	7.739	7.457	-	3.6	30	113	-.04
Benzyl Chloride	5.101	3.457	-	32.2*	30	76	-.05
1,3-dichlorobenzene	4.468	4.572	-	-2.3	30	111	-.04
1,4-dichlorobenzene	4.491	4.506	-	-0.3	30	113	-.04
sec-butylbenzene	11.422	9.368	-	18	30	92	-.04
p-isopropyltoluene	10.419	8.688	-	16.6	30	92	-.04
1,2-dichlorobenzene	4.843	4.024	-	16.9	30	88	-.03
n-butylbenzene	8.788	7.385	-	16	30	90	-.03
1,2-dibromo-3-chloropropan	1.694	1.464	-	13.6	30	93	-.02
1,2,4-trichlorobenzene	2.627	2.173	-	17.3	30	89	0
naphthalene	10.036	6.709	-	33.2*	30	72	.02
1,2,3-trichlorobenzene	2.713	1.925	-	29	30	76	.02
hexachlorobutadiene	2.457	2.312	-	5.9	30	112	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	124	-0.08
2		propylene	0.676	0.482	28.7	101	-0.05
3		dichlorodifluoromethane	1.500	1.318	12.1	107	-0.05
4	C	chloromethane	0.625	0.539	13.8	102	-0.04
5		Freon-114	1.743	1.594	8.5	112	-0.05
6	C	vinyl chloride	0.911	0.687	24.6	93	-0.05
7	C	1,3-butadiene	0.591	0.510	13.7	112	-0.05
8	C	bromomethane	0.687	0.627	8.7	118	-0.05
9	C	chloroethane	0.440	0.324	26.4	94	-0.05
10		ethanol	0.589	0.463	21.4	98	-0.05
11	C	vinyl bromide	0.690	0.546	20.9	109	-0.06
12	C	acrolein	0.431	0.255	40.8#	81	-0.06
13		acetone	0.910	0.707	22.3	102	-0.06
14		trichlorofluoromethane	1.542	1.260	18.3	107	-0.06
15		isopropyl alcohol	1.047	0.794	24.2	102	-0.06
16	C	acrylonitrile	0.677	0.499	26.3	93	-0.06
17	C	1,1-dichloroethene	1.255	0.974	22.4	104	-0.07
18		tertiary butyl alcohol	1.543	1.004	34.9#	84	-0.07
19	C	methylene chloride	0.835	0.808	3.2	124	-0.07
20	C	3-chloropropene	1.010	0.782	22.6	104	-0.07
21	C	carbon disulfide	1.935	1.741	10.0	118	-0.07
22		Freon 113	1.581	1.290	18.4	108	-0.07
23		trans-1,2-dichloroethene	1.162	0.852	26.7	100	-0.07
24	C	1,1-dichloroethane	1.531	1.148	25.0	101	-0.07
25	C	MTBE	1.715	1.355	21.0	107	-0.07
26	C	vinyl acetate	1.482	0.613	58.6#	59#	-0.08
27	C	2-butanone	1.400	1.092	22.0	103	-0.07
28		cis-1,2-dichloroethene	1.178	0.903	23.3	101	-0.07
29		Ethyl Acetate	0.278	0.202	27.3	98	-0.08
30	C	chloroform	1.474	1.328	9.9	120	-0.07
31		Tetrahydrofuran	0.761	0.638	16.2	113	-0.07
32	C	1,2-dichloroethane	0.961	0.740	23.0	104	-0.07
33	I	1,4-difluorobenzene	1.000	1.000	0.0	115	-0.07
34	C	hexane	0.460	0.358	22.2	101	-0.07
36	C	1,1,1-trichloroethane	0.450	0.363	19.3	107	-0.07
37	C	benzene	0.836	0.751	10.2	116	-0.07
38	C	carbon tetrachloride	0.395	0.376	4.8	119	-0.07
39		cyclohexane	0.487	0.385	20.9	102	-0.07

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40		Dibromomethane	0.313	0.241	23.0	100	-0.07
41	C	1,2-dichloropropane	0.339	0.261	23.0	102	-0.07
42		bromodichloromethane	0.452	0.423	6.4	122	-0.07
43	C	1,4-dioxane	0.194	0.148	23.7	100	-0.07
44	C	trichloroethene	0.441	0.372	15.6	108	-0.07
45	C	2,2,4-trimethylpentane	1.488	1.177	20.9	102	-0.07
46		heptane	0.462	0.398	13.9	111	-0.07
47	C	cis-1,3-dichloropropene	0.362	0.365	-0.8	127	-0.07
48	C	4-methyl-2-pentanone	0.543	0.460	15.3	109	-0.07
49		trans-1,3-dichloropropene	0.258	0.288	-11.6	141#	-0.07
50	C	1,1,2-trichloroethane	0.362	0.302	16.6	110	-0.07
51	I	chlorobenzene-D5	1.000	1.000	0.0	110	-0.05
52	C	toluene	7.248	6.454	11.0	104	-0.07
54		2-hexanone	3.092	2.759	10.8	99	-0.05
55		dibromochloromethane	3.194	3.167	0.8	116	-0.06
56	C	1,2-dibromoethane	3.100	3.236	-4.4	124	-0.06
57	C	tetrachloroethene	2.758	2.467	10.6	111	-0.06
58		1,1,1,2-tetrachloroethane	2.764	2.286	17.3	96	-0.05
59	C	chlorobenzene	5.539	5.420	2.1	118	-0.06
60	C	ethylbenzene	9.245	8.119	12.2	104	-0.05
61	C	m+p-xylene	7.332	6.678	8.9	107	-0.05
62	C	bromoform	2.259	2.125	5.9	113	-0.05
63	C	styrene	5.207	4.967	4.6	109	-0.05
64	C	1,1,2,2-tetrachloroethane	4.931	5.000	-1.4	125	-0.05
65	C	o-xylene	7.423	6.815	8.2	108	-0.05
66		1,2,3-Trichloropropane	3.344	3.112	6.9	106	-0.05
68	C	isopropylbenzene	9.237	7.708	16.6	94	-0.05
69		Bromobenzene	4.388	4.190	4.5	106	-0.05
70		4-ethyl toluene	8.514	7.775	8.7	106	-0.05
71		1,3,5-trimethylbenzene	7.701	7.520	2.4	115	-0.05
72		tert-butylbenzene	8.426	7.327	13.0	97	-0.05
73		1,2,4-trimethylbenzene	7.739	7.457	3.6	113	-0.04
74	C	Benzyl Chloride	5.101	3.457	32.2#	76	-0.05
75		1,3-dichlorobenzene	4.468	4.572	-2.3	111	-0.04
76	C	1,4-dichlorobenzene	4.491	4.506	-0.3	113	-0.04
77		sec-butylbenzene	11.422	9.368	18.0	92	-0.04
78		p-isopropyltoluene	10.419	8.688	16.6	92	-0.04
79		1,2-dichlorobenzene	4.843	4.024	16.9	88	-0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	n-butylbenzene	8.788	7.385	16.0	90	-0.03
81	1,2-dibromo-3-chloropropane	1.694	1.464	13.6	93	-0.02
82 C	1,2,4-trichlorobenzene	2.627	2.173	17.3	89	0.00
83	naphthalene	10.036	6.709	33.2#	72	0.02
84	1,2,3-trichlorobenzene	2.713	1.925	29.0	76	0.02
85 C	hexachlorobutadiene	2.457	2.312	5.9	112	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.767	49	227226	10.000	ppbV	-0.08
Standard Area = 227226			Recovery = 100.00%			
33) 1,4-difluorobenzene	10.983	114	688414	10.000	ppbV	-0.07
Standard Area = 688414			Recovery = 100.00%			
51) chlorobenzene-D5	15.750	54	96640	10.000	ppbV	-0.05
Standard Area = 96640			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) propylene	3.772	41	54813M6	3.568	ppbV	
3) dichlorodifluoromethane	3.844	85	149776	4.394	ppbV	99
4) chloromethane	4.000	50	61189	4.309	ppbV	98
5) Freon-114	4.102	85	181080	4.573	ppbV	95
6) vinyl chloride	4.210	62	78076	3.772	ppbV	96
7) 1,3-butadiene	4.348	54	57889	4.308	ppbV #	78
8) bromomethane	4.612	94	71288	4.565	ppbV	99
9) chloroethane	4.792	64	36837	3.685	ppbV	93
10) ethanol	4.912	31	263060M2	19.657	ppbV	
11) vinyl bromide	5.153	106	62079	3.958	ppbV	93
12) acrolein	5.273	56	29022	2.966	ppbV	97
13) acetone	5.400	43	401707	19.435	ppbV	93
14) trichlorofluoromethane	5.597	101	143186	4.087	ppbV	99
15) isopropyl alcohol	5.670	45	225581	9.486	ppbV	97
16) acrylonitrile	5.903	53	56664	3.684	ppbV	98
17) 1,1-dichloroethene	6.270	61	110649	3.881	ppbV	98
18) tertiary butyl alcohol	6.306	59	114104	3.255	ppbV	97
19) methylene chloride	6.408	49	91751	4.837	ppbV	97
20) 3-chloropropene	6.534	41	88823	3.870	ppbV	93
21) carbon disulfide	6.702	76	197851	4.500	ppbV	99
22) Freon 113	6.708	101	146529	4.079	ppbV	96
23) trans-1,2-dichloroethene	7.433	61	96750	3.665	ppbV	93
24) 1,1-dichloroethane	7.650	63	130374	3.748	ppbV	99
25) MTBE	7.717	73	153941	3.950	ppbV	96
26) vinyl acetate	7.833	43	69588	2.067	ppbV	97
27) 2-butanone	8.083	43	124018	3.899	ppbV	99
28) cis-1,2-dichloroethene	8.583	61	102567	3.833	ppbV	98
29) Ethyl Acetate	8.850	61	22981	3.641	ppbV #	45
30) chloroform	8.925	83	150883	4.505	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	9.350	42	72464	4.191	ppbV		97
32) 1,2-dichloroethane	9.750	62	84085	3.851	ppbV		96
34) hexane	8.842	57	123135	3.886	ppbV		95
36) 1,1,1-trichloroethane	10.042	97	124785	4.030	ppbV		98
37) benzene	10.557	78	258457	4.490	ppbV		100
38) carbon tetrachloride	10.730	117	129450	4.766	ppbV		100
39) cyclohexane	10.870	56	132471	3.954	ppbV		98
40) Dibromomethane	11.470	93	83108M2	3.854	ppbV		
41) 1,2-dichloropropane	11.497	63	89748	3.849	ppbV		100
42) bromodichloromethane	11.723	83	145649	4.682	ppbV		96
43) 1,4-dioxane	11.763	88	51019	3.823	ppbV		96
44) trichloroethene	11.777	130	128189	4.220	ppbV		96
45) 2,2,4-trimethylpentane	11.830	57	405154	3.954	ppbV		99
46) heptane	12.143	43	137064	4.311	ppbV		93
47) cis-1,3-dichloropropene	12.792	75	125630	5.045	ppbV		91
48) 4-methyl-2-pentanone	12.825	43	158216	4.233	ppbV		92
49) trans-1,3-dichloropropene	13.417	75	99195	5.584	ppbV		91
50) 1,1,2-trichloroethane	13.617	97	103946	4.167	ppbV		94
52) toluene	13.950	91	311837	4.452	ppbV		98
54) 2-hexanone	14.250	43	133320	4.462	ppbV		89
55) dibromochloromethane	14.408	129	153053	4.959	ppbV		99
56) 1,2-dibromoethane	14.667	107	156340	5.218	ppbV		99
57) tetrachloroethene	15.142	166	119183	4.471	ppbV		99
58) 1,1,1,2-tetrachloroethane	15.783	131	110456	4.135	ppbV		99
59) chlorobenzene	15.792	112	261887	4.892	ppbV		95
60) ethylbenzene	16.150	91	392292	4.391	ppbV		97
61) m+p-xylene	16.317	91	645398	9.108	ppbV		97
62) bromoform	16.383	173	102686	4.704	ppbV		99
63) styrene	16.642	104	239990	4.769	ppbV		96
64) 1,1,2,2-tetrachloroethane	16.733	83	241615	5.071	ppbV		97
65) o-xylene	16.742	91	329300	4.591	ppbV		97
66) 1,2,3-Trichloropropane	16.850	75	150369	4.653	ppbV		96
68) isopropylbenzene	17.258	105	372457	4.173	ppbV		100
69) Bromobenzene	17.333	77	202451	4.774	ppbV		98
70) 4-ethyl toluene	17.825	105	375699	4.566	ppbV		100
71) 1,3,5-trimethylbenzene	17.892	105	363346	4.882	ppbV		99
72) tert-butylbenzene	18.233	119	354043	4.348	ppbV		96
73) 1,2,4-trimethylbenzene	18.242	105	360335	4.818	ppbV	#	87
74) Benzyl Chloride	18.358	91	167052	3.389	ppbV		99
75) 1,3-dichlorobenzene	18.375	146	220933M3	5.117	ppbV		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

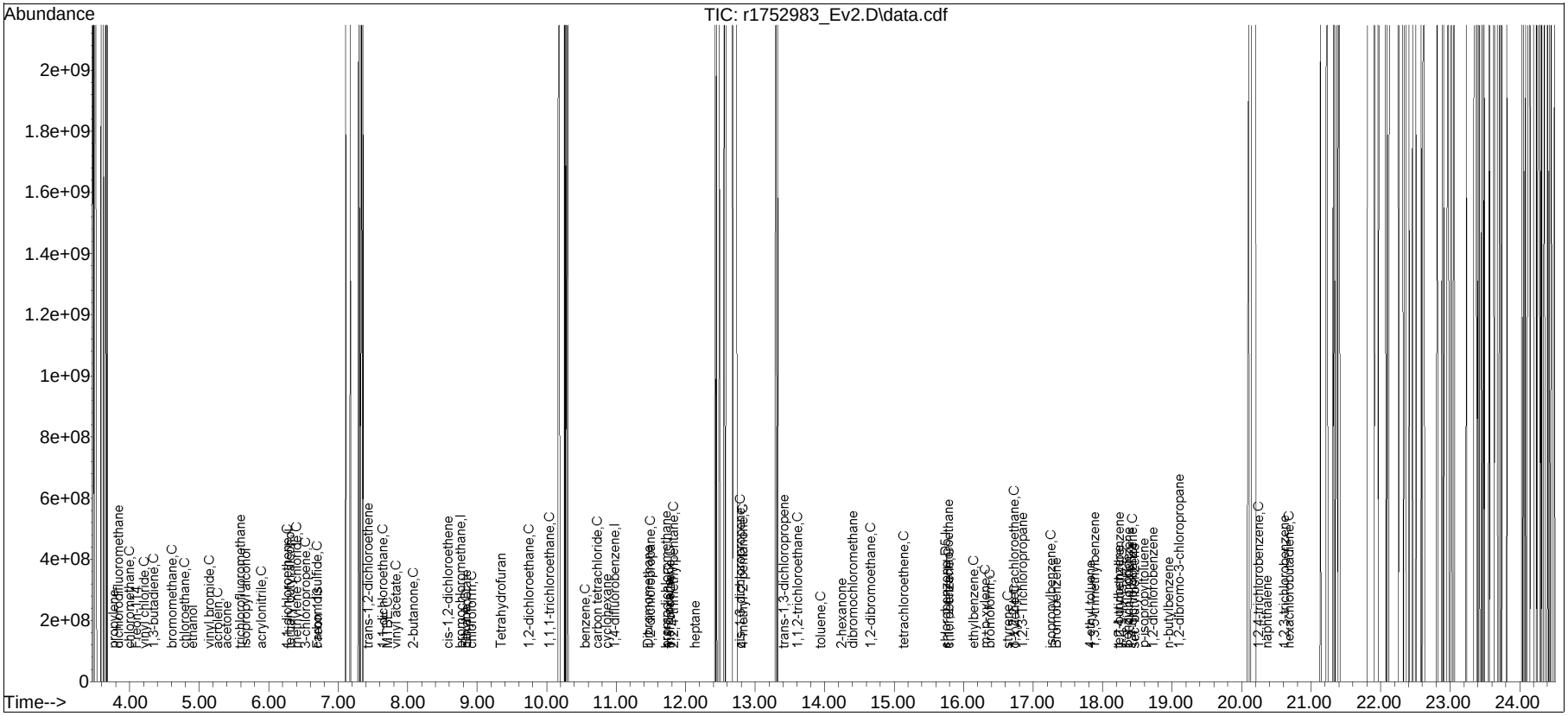
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	18.433	146	217707	5.017	ppbV	99
77) sec-butylbenzene	18.467	105	452675	4.101	ppbV	99
78) p-isopropyltoluene	18.600	119	419807	4.169	ppbV	97
79) 1,2-dichlorobenzene	18.725	146	194437	4.154	ppbV	96
80) n-butylbenzene	18.958	91	356821	4.201	ppbV	94
81) 1,2-dibromo-3-chloropr...	19.108	75	70745	4.321	ppbV	91
82) 1,2,4-trichlorobenzene	20.250	180	105020	4.137	ppbV #	92
83) naphthalene	20.367	128	324185	3.342	ppbV	99
84) 1,2,3-trichlorobenzene	20.617	180	93014	3.548	ppbV	96
85) hexachlorobutadiene	20.683	225	111731	4.706	ppbV	94

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

Sub List : Default-LCS-AP2 - All compounds listedM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-2,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

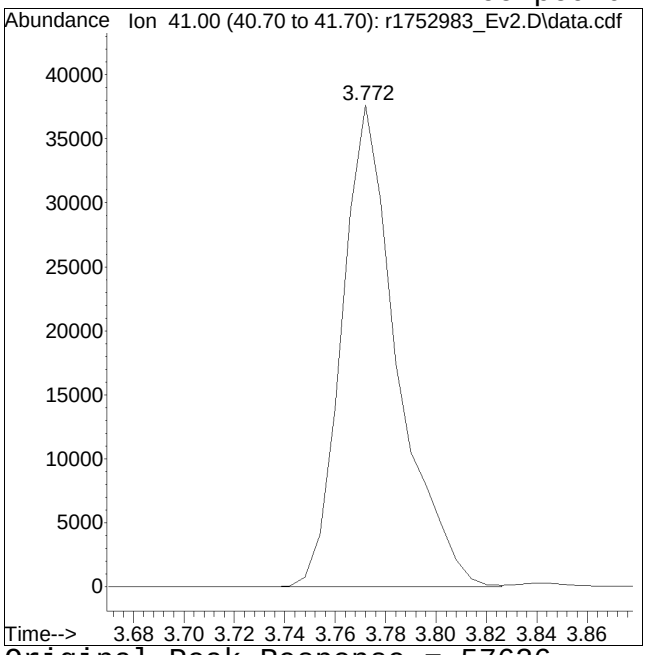
Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration



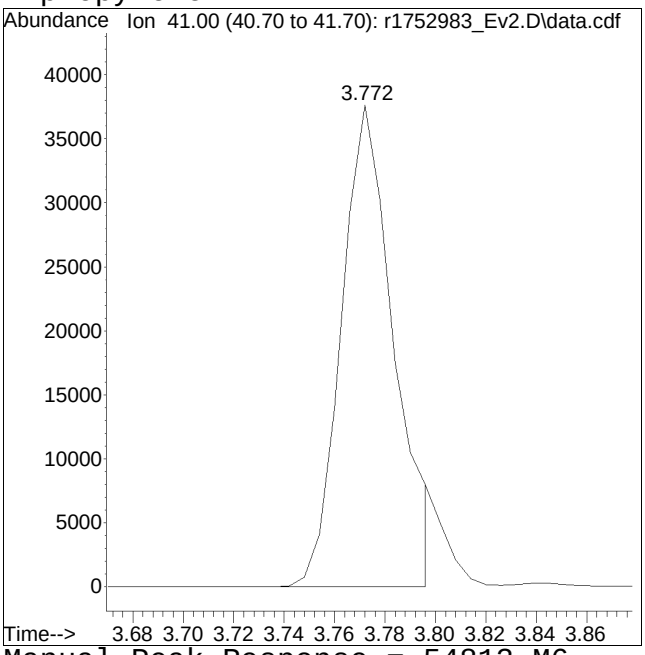
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752983_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 12/18/2025 2:09 PM Instrument :
Sample : WG2155820-2,3,250,250 Quant Date : 12/18/2025 1:54 pm

Compound #2: propylene



Original Peak Response = 57626



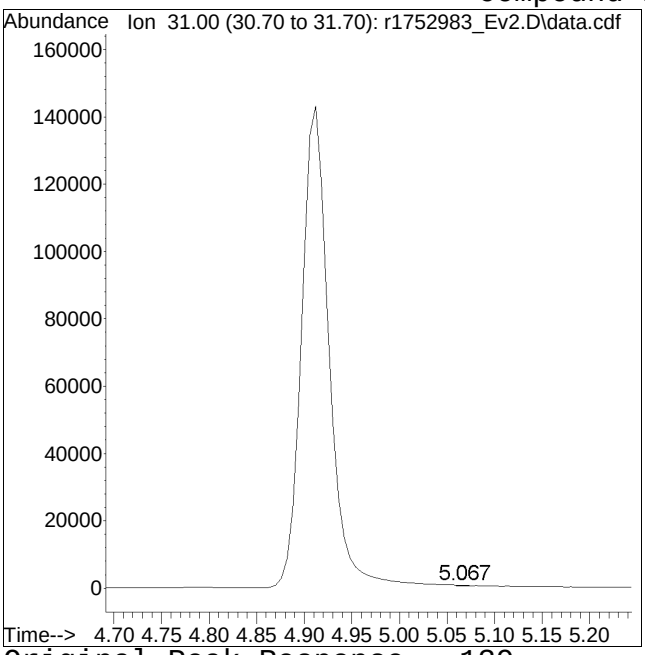
Manual Peak Response = 54813 M6

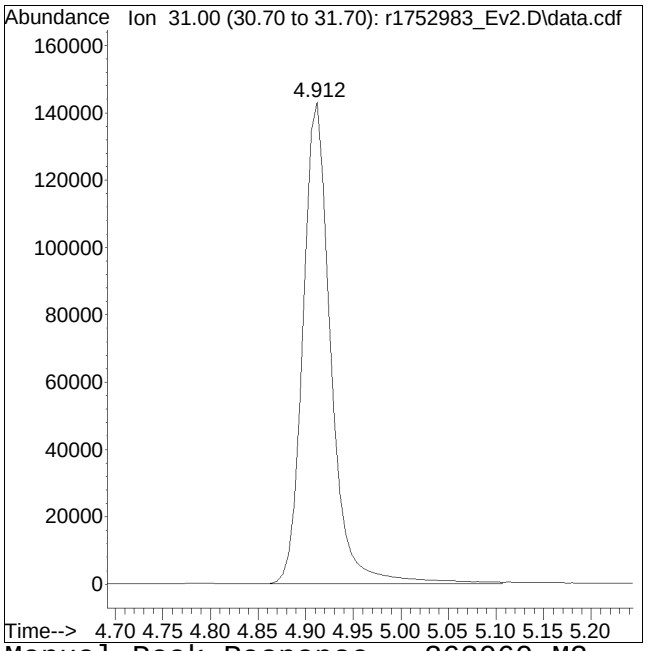
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752983_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 12/18/2025 2:09 PM Instrument :
Sample : WG2155820-2,3,250,250 Quant Date : 12/18/2025 1:54 pm

Compound #10: ethanol





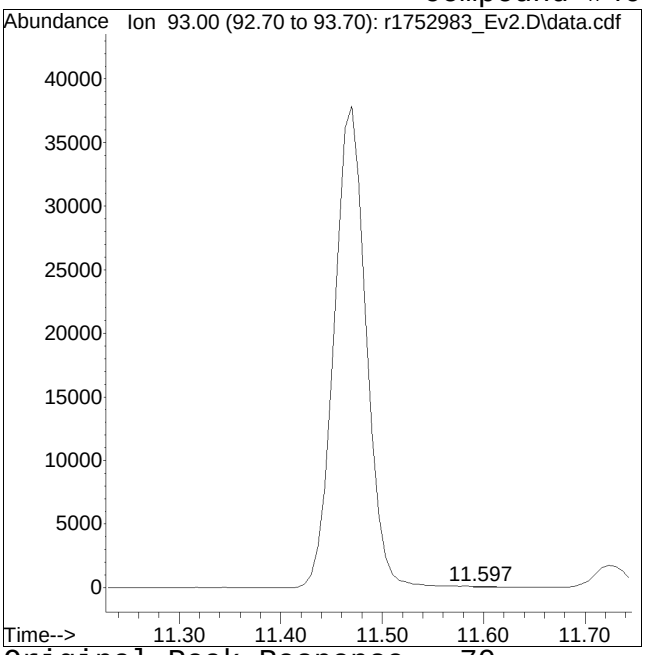
Original Peak Response = 139 Manual Peak Response = 263060 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

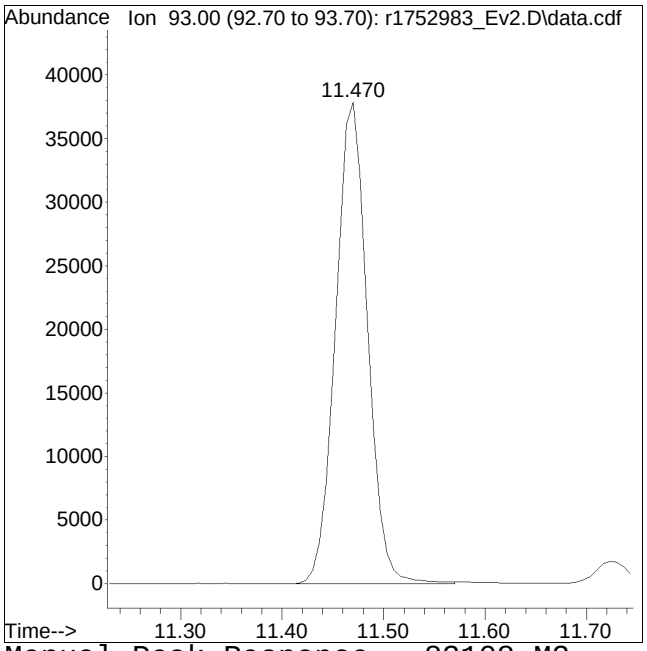
Data Path : X:\Airlab\Data\Airlab17\20Q
Data File : r1752983_Ev2.D
Date Inj'd : 12/18/2025 2:09 PM
Sample : WG2155820-2,3,250,250

Method : TSIM17_251105.M
Operator : AIRLAB17:TPH
Instrument :
Quant Date : 12/18/2025 1:54 pm

Compound #40: Dibromomethane



Original Peak Response = 70



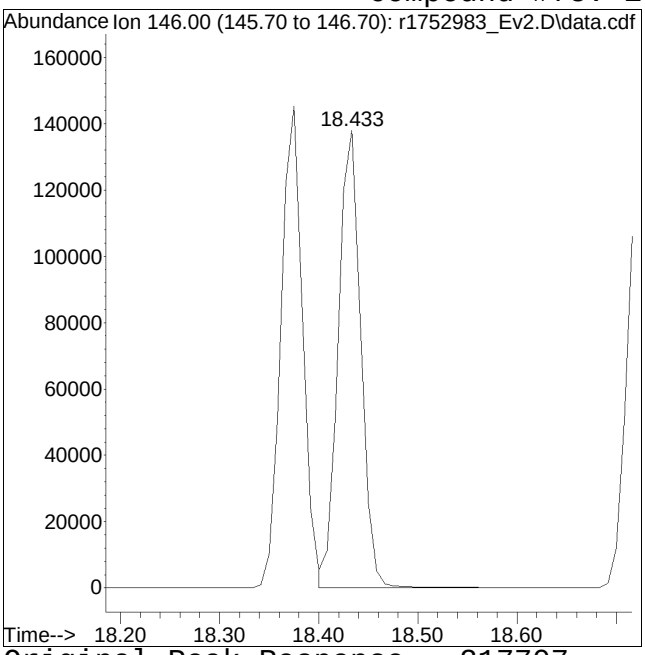
Manual Peak Response = 83108 M2

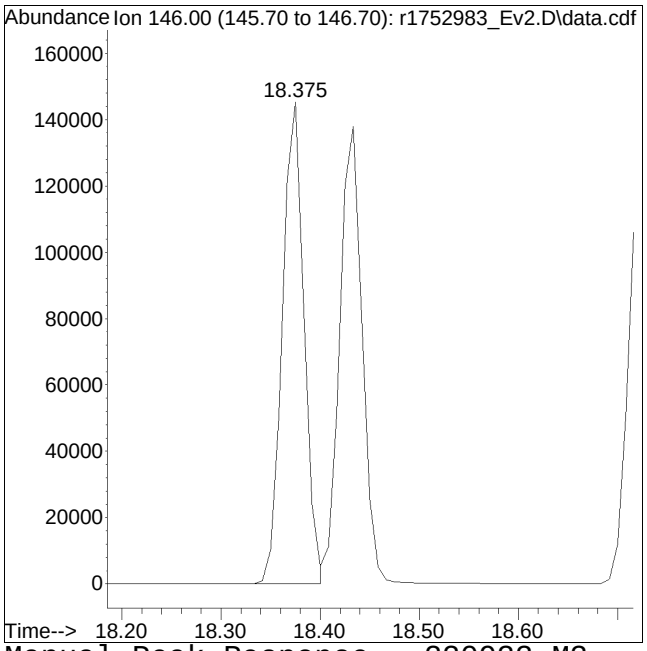
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab17\20QMethod : TSIM17_251105.M
Data File : r1752983_Ev2.D Operator : AIRLAB17:TPH
Date Inj'd : 12/18/2025 2:09 PM Instrument :
Sample : WG2155820-2,3,250,250 Quant Date : 12/18/2025 1:54 pm

Compound #75: 1,3-dichlorobenzene





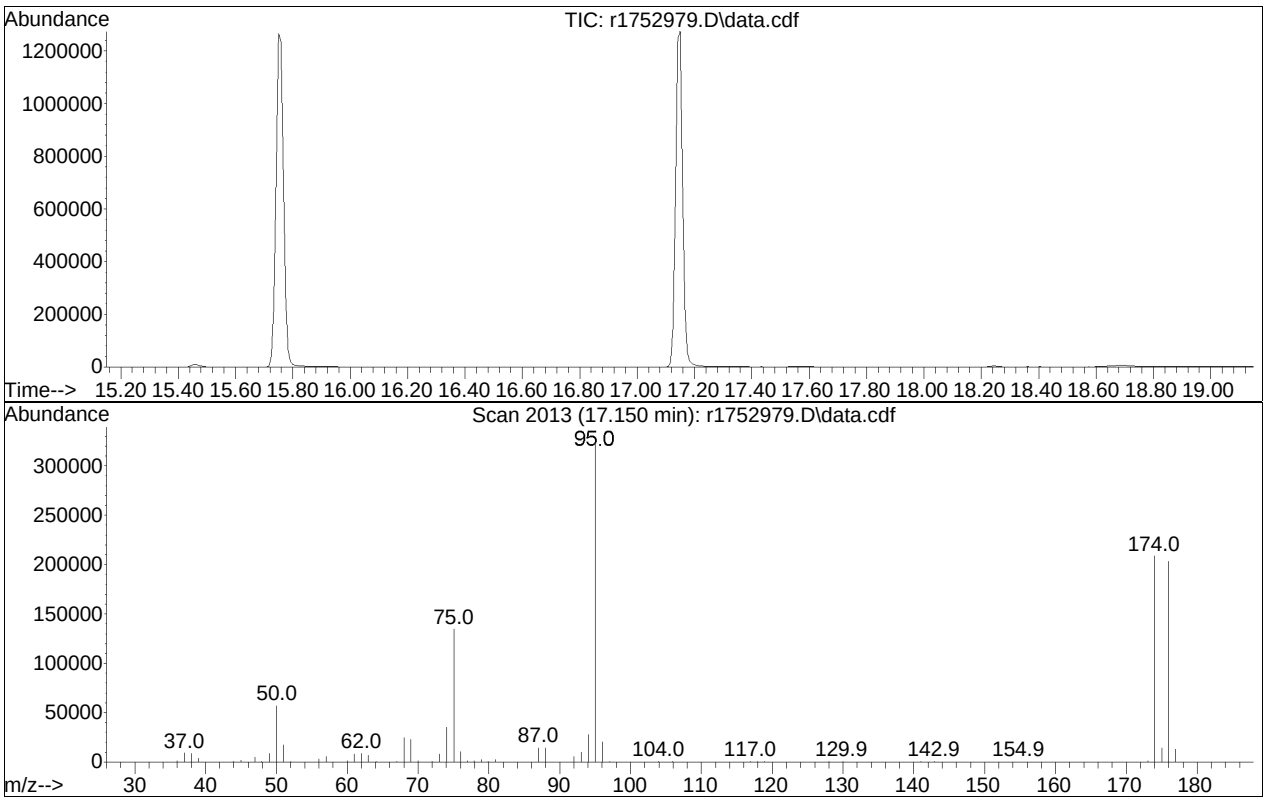
Original Peak Response = 217707 Manual Peak Response = 220933 M3

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.

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752979.D
Acq On : 18 Dec 2025 11:33 AM
Operator : AIRLAB17:TPH
Sample : WG2155820-1,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Nov 06 18:54:49 2025



Spectrum Information: Scan 2013

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	57252	PASS
75	95	30	66	41.6	134610	PASS
95	95	100	100	100.0	323570	PASS
96	95	5	9	6.2	20198	PASS
173	174	0.00	2	0.6	1268	PASS
174	95	50	120	64.5	208692	PASS
175	174	4	9	6.9	14369	PASS
176	174	93	101	97.4	203325	PASS
177	176	5	9	6.6	13342	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752985_Ev2.D
Acq On : 18 Dec 2025 5:03 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-4,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:10:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

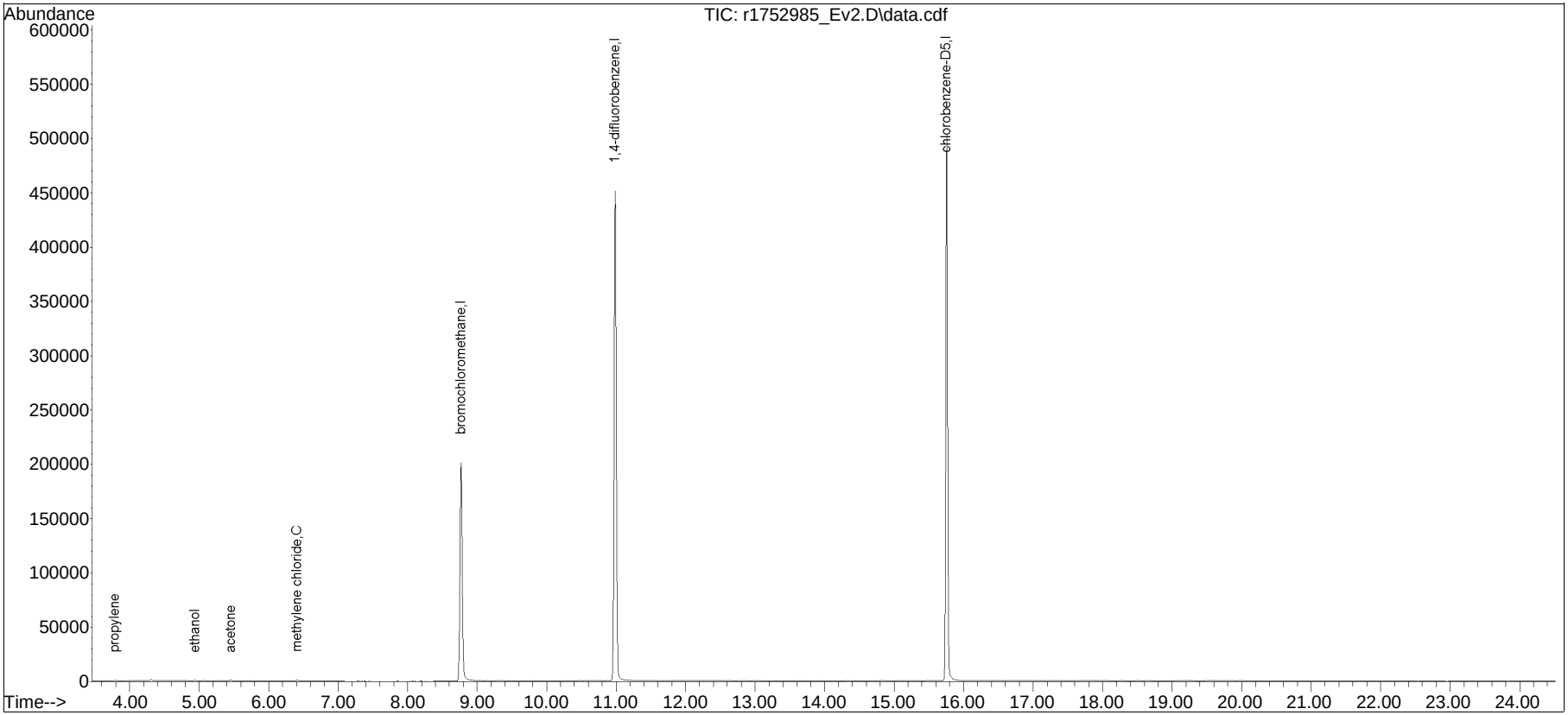
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.767	49	213404	10.000	ppbV	-0.08
Standard Area = 227226			Recovery = 93.92%			
33) 1,4-difluorobenzene	10.983	114	607703	10.000	ppbV	-0.07
Standard Area = 688414			Recovery = 88.28%			
51) chlorobenzene-D5	15.750	54	89681	10.000	ppbV	-0.05
Standard Area = 96640			Recovery = 92.80%			
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	0.000		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\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752985_Ev2.D
Acq On : 18 Dec 2025 5:03 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-4,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 20:10:02 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-3,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	124	-0.08
2		propylene	5.000	3.568	28.6	101	-0.05
3		dichlorodifluoromethane	5.000	4.394	12.1	107	-0.05
4	C	chloromethane	5.000	4.309	13.8	102	-0.04
5		Freon-114	5.000	4.573	8.5	112	-0.05
6	C	vinyl chloride	5.000	3.772	24.6	93	-0.05
7	C	1,3-butadiene	5.000	4.308	13.8	112	-0.05
8	C	bromomethane	5.000	4.565	8.7	118	-0.05
9	C	chloroethane	5.000	3.685	26.3	94	-0.05
10		ethanol	25.000	19.657	21.4	98	-0.05
11	C	vinyl bromide	5.000	3.958	20.8	109	-0.06
12	C	acrolein	5.000	2.966	40.7#	81	-0.06
13		acetone	25.000	19.435	22.3	102	-0.06
14		trichlorofluoromethane	5.000	4.087	18.3	107	-0.06
15		isopropyl alcohol	12.500	9.486	24.1	102	-0.06
16	C	acrylonitrile	5.000	3.684	26.3	93	-0.06
17	C	1,1-dichloroethene	5.000	3.881	22.4	104	-0.07
18		tertiary butyl alcohol	5.000	3.255	34.9#	84	-0.07
19	C	methylene chloride	5.000	4.837	3.3	124	-0.07
20	C	3-chloropropene	5.000	3.870	22.6	104	-0.07
21	C	carbon disulfide	5.000	4.500	10.0	118	-0.07
22		Freon 113	5.000	4.079	18.4	108	-0.07
23		trans-1,2-dichloroethene	5.000	3.665	26.7	100	-0.07
24	C	1,1-dichloroethane	5.000	3.748	25.0	101	-0.07
25	C	MTBE	5.000	3.950	21.0	107	-0.07
26	C	vinyl acetate	5.000	2.067	58.7#	59	-0.08
27	C	2-butanone	5.000	3.899	22.0	103	-0.07
28		cis-1,2-dichloroethene	5.000	3.833	23.3	101	-0.07
29		Ethyl Acetate	5.000	3.641	27.2	98	-0.08
30	C	chloroform	5.000	4.505	9.9	120	-0.07
31		Tetrahydrofuran	5.000	4.191	16.2	113	-0.07
32	C	1,2-dichloroethane	5.000	3.851	23.0	104	-0.07
33	I	1,4-difluorobenzene	10.000	10.000	0.0	115	-0.07
34	C	hexane	5.000	3.886	22.3	101	-0.07
36	C	1,1,1-trichloroethane	5.000	4.030	19.4	107	-0.07
37	C	benzene	5.000	4.490	10.2	116	-0.07
38	C	carbon tetrachloride	5.000	4.766	4.7	119	-0.07
39		cyclohexane	5.000	3.954	20.9	102	-0.07

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-3,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
40		Dibromomethane	5.000	3.854	22.9	100	-0.07
41	C	1,2-dichloropropane	5.000	3.849	23.0	102	-0.07
42		bromodichloromethane	5.000	4.682	6.4	122	-0.07
43	C	1,4-dioxane	5.000	3.823	23.5	100	-0.07
44	C	trichloroethene	5.000	4.220	15.6	108	-0.07
45	C	2,2,4-trimethylpentane	5.000	3.954	20.9	102	-0.07
46		heptane	5.000	4.311	13.8	111	-0.07
47	C	cis-1,3-dichloropropene	5.000	5.045	-0.9	127	-0.07
48	C	4-methyl-2-pentanone	5.000	4.233	15.3	109	-0.07
49		trans-1,3-dichloropropene	5.000	5.584	-11.7	141	-0.07
50	C	1,1,2-trichloroethane	5.000	4.167	16.7	110	-0.07
51	I	chlorobenzene-D5	10.000	10.000	0.0	110	-0.05
52	C	toluene	5.000	4.452	11.0	104	-0.07
54		2-hexanone	5.000	4.462	10.8	99	-0.05
55		dibromochloromethane	5.000	4.959	0.8	116	-0.06
56	C	1,2-dibromoethane	5.000	5.218	-4.4	124	-0.06
57	C	tetrachloroethene	5.000	4.471	10.6	111	-0.06
58		1,1,1,2-tetrachloroethane	5.000	4.135	17.3	96	-0.05
59	C	chlorobenzene	5.000	4.892	2.2	118	-0.06
60	C	ethylbenzene	5.000	4.391	12.2	104	-0.05
61	C	m+p-xylene	10.000	9.108	8.9	107	-0.05
62	C	bromoform	5.000	4.704	5.9	113	-0.05
63	C	styrene	5.000	4.769	4.6	109	-0.05
64	C	1,1,2,2-tetrachloroethane	5.000	5.071	-1.4	125	-0.05
65	C	o-xylene	5.000	4.591	8.2	108	-0.05
66		1,2,3-Trichloropropane	5.000	4.653	6.9	106	-0.05
68	C	isopropylbenzene	5.000	4.173	16.5	94	-0.05
69		Bromobenzene	5.000	4.774	4.5	106	-0.05
70		4-ethyl toluene	5.000	4.566	8.7	106	-0.05
71		1,3,5-trimethylbenzene	5.000	4.882	2.4	115	-0.05
72		tert-butylbenzene	5.000	4.348	13.0	97	-0.05
73		1,2,4-trimethylbenzene	5.000	4.818	3.6	113	-0.04
74	C	Benzyl Chloride	5.000	3.389	32.2#	76	-0.05
75		1,3-dichlorobenzene	5.000	5.117	-2.3	111	-0.04
76	C	1,4-dichlorobenzene	5.000	5.017	-0.3	113	-0.04
77		sec-butylbenzene	5.000	4.101	18.0	92	-0.04
78		p-isopropyltoluene	5.000	4.169	16.6	92	-0.04
79		1,2-dichlorobenzene	5.000	4.154	16.9	88	-0.03

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-3,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
80	n-butylbenzene	5.000	4.201	16.0	90	-0.03
81	1,2-dibromo-3-chloropropane	5.000	4.321	13.6	93	-0.02
82 C	1,2,4-trichlorobenzene	5.000	4.137	17.3	89	0.00
83	naphthalene	5.000	3.342	33.2#	72	0.02
84	1,2,3-trichlorobenzene	5.000	3.548	29.0	76	0.02
85 C	hexachlorobutadiene	5.000	4.706	5.9	112	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 3

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-3,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : Default-LCS-AP2 - All compounds listed

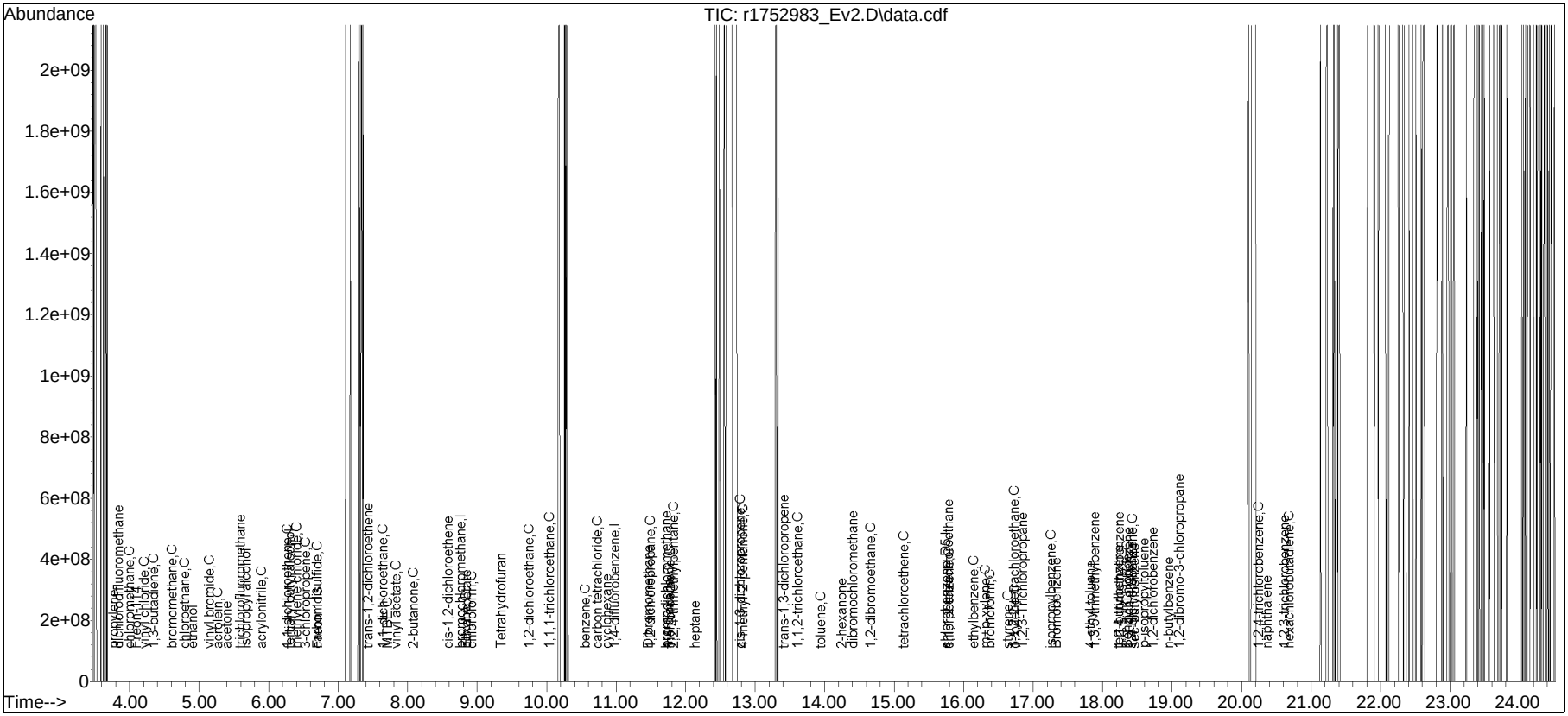
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.767	49	227226	10.000	ppbV	-0.08
Standard Area = 227226			Recovery = 100.00%			
33) 1,4-difluorobenzene	10.983	114	688414	10.000	ppbV	-0.07
Standard Area = 688414			Recovery = 100.00%			
51) chlorobenzene-D5	15.750	54	96640	10.000	ppbV	-0.05
Standard Area = 96640			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	4.210	62	78076	3.772	ppbV	96
17) 1,1-dichloroethene	6.270	61	110649	3.881	ppbV	98
28) cis-1,2-dichloroethene	8.583	61	102567	3.833	ppbV	98
36) 1,1,1-trichloroethane	10.042	97	124785	4.030	ppbV	98
38) carbon tetrachloride	10.730	117	129450	4.766	ppbV	100
44) trichloroethene	11.777	130	128189	4.220	ppbV	96
57) tetrachloroethene	15.142	166	119183	4.471	ppbV	99

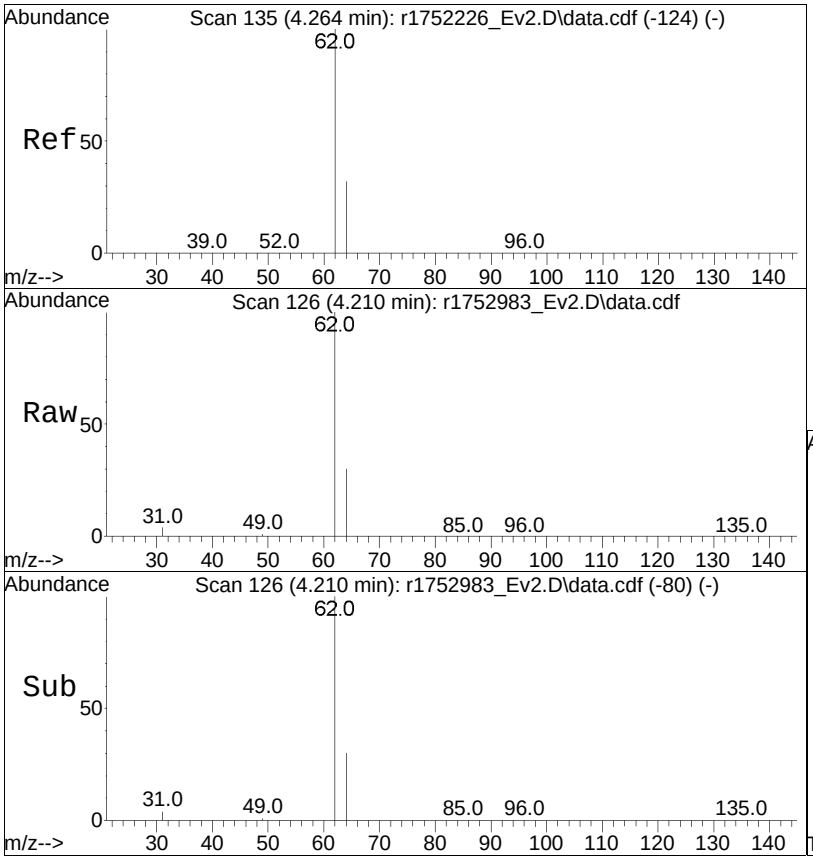
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752983_Ev2.D
Acq On : 18 Dec 2025 2:09 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-3,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 18 13:54:50 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

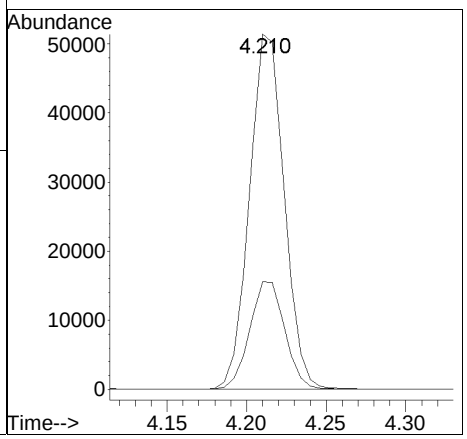


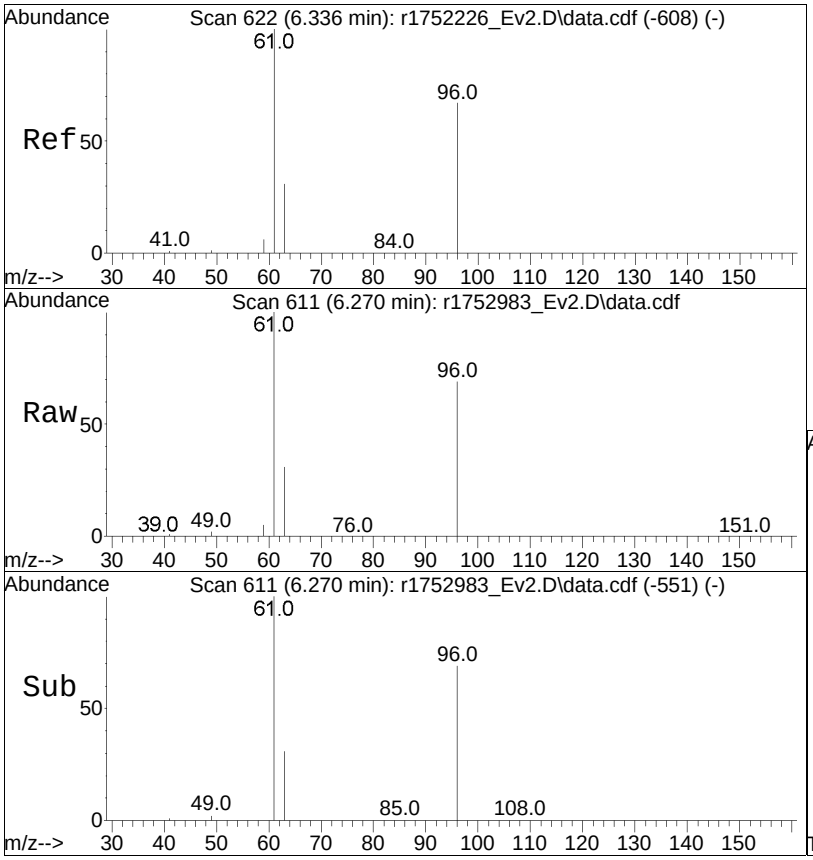


#6
vinyl chloride
Concen: 3.77 ppbV
RT: 4.210 min Scan# 126
Delta R.T. -0.054 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion: 62 Resp: 78076

Ion	Ratio	Lower	Upper
62	100		
64	30.3	25.8	38.8

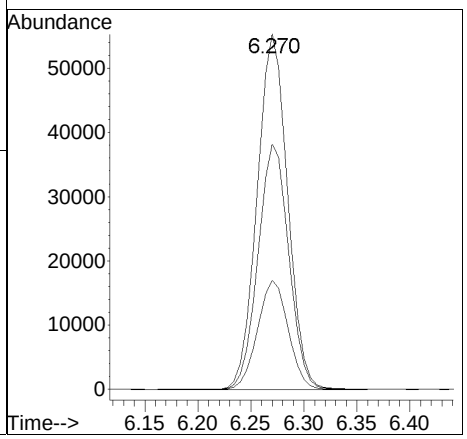


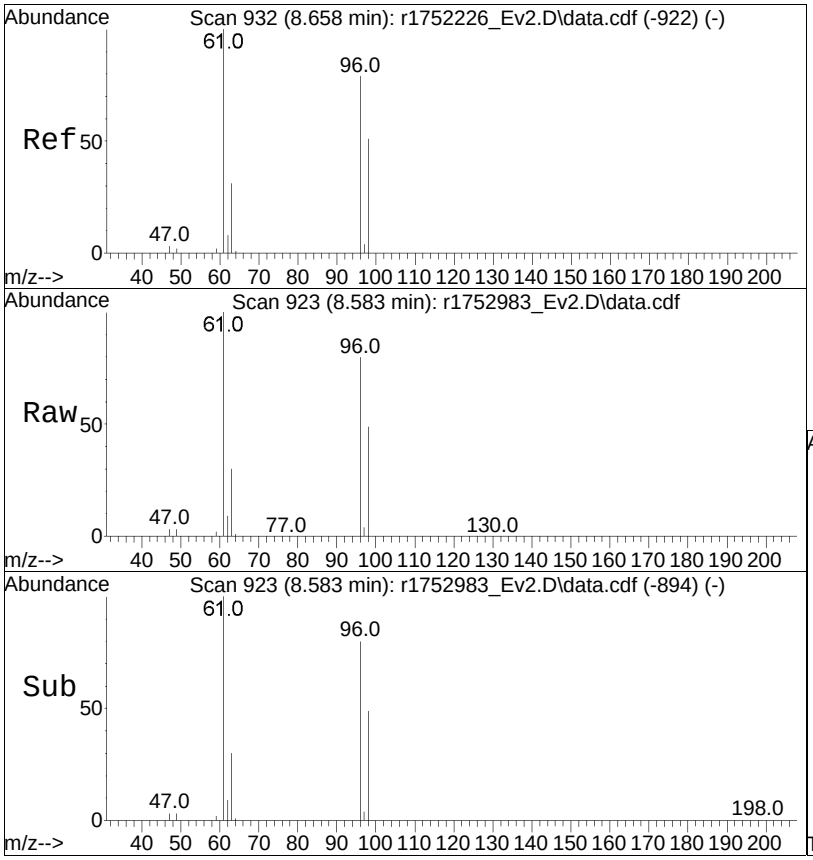


#17
1,1-dichloroethene
Concen: 3.88 ppbV
RT: 6.270 min Scan# 611
Delta R.T. -0.066 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion: 61 Resp: 110649

Ion	Ratio	Lower	Upper
61	100		
96	69.0	53.4	80.0
63	30.8	24.6	37.0

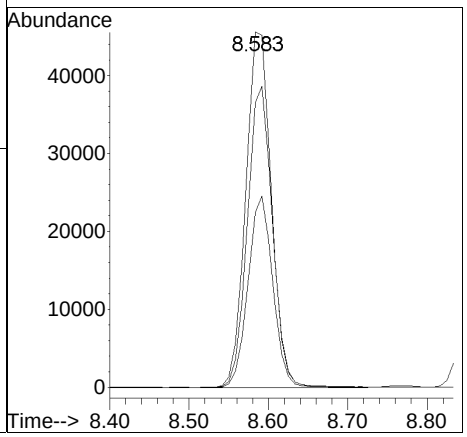


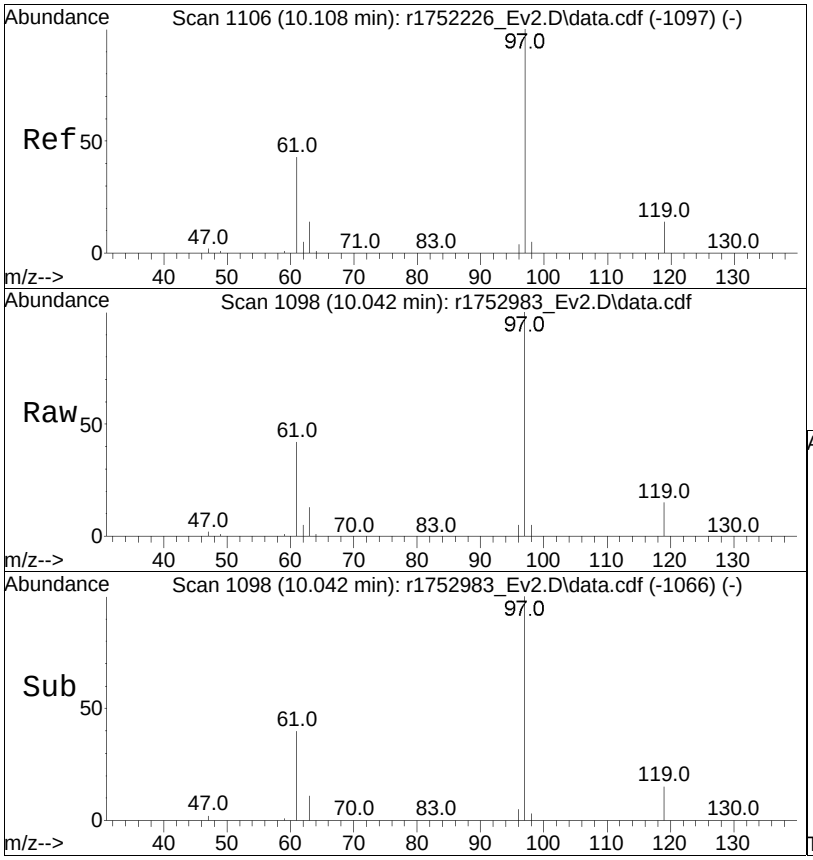


#28
cis-1,2-dichloroethene
Concen: 3.83 ppbV
RT: 8.583 min Scan# 923
Delta R.T. -0.075 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion: 61 Resp: 102567

Ion	Ratio	Lower	Upper
61	100		
96	80.1	63.2	94.8
98	49.2	40.6	60.8

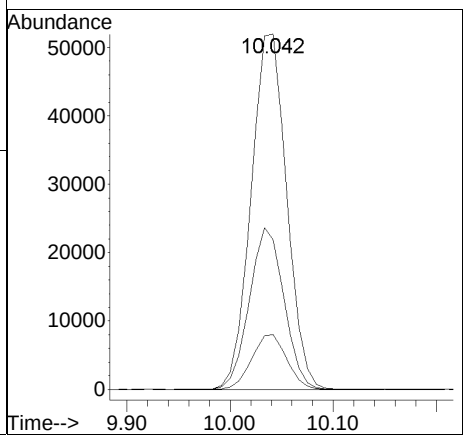


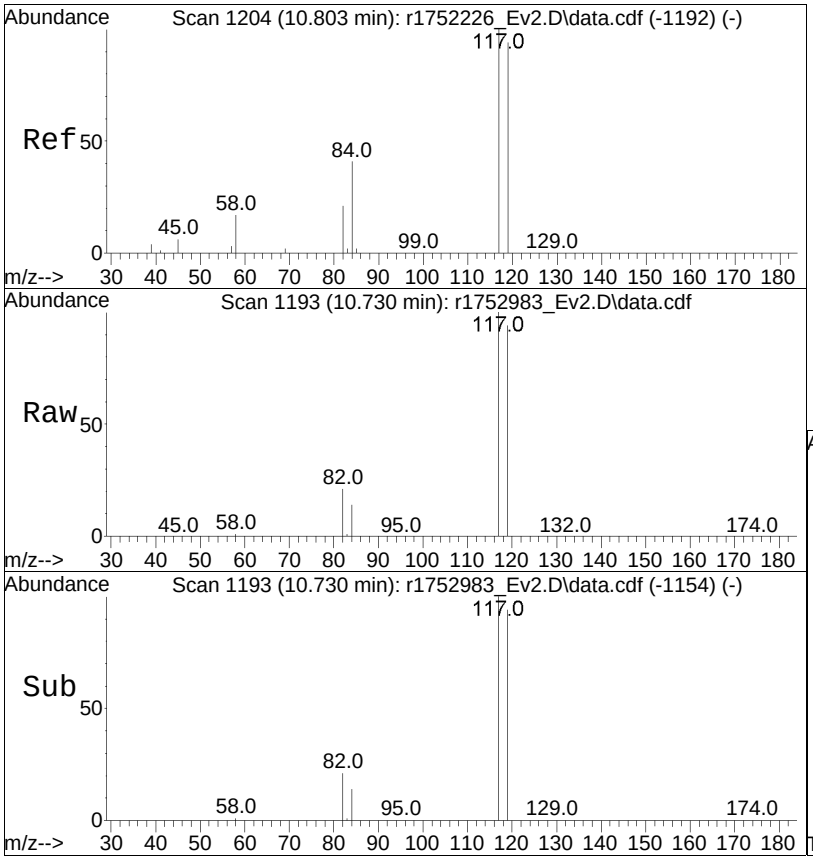


#36
1,1,1-trichloroethane
Concen: 4.03 ppbV
RT: 10.042 min Scan# 1098
Delta R.T. -0.067 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion: 97 Resp: 124785

Ion	Ratio	Lower	Upper
97	100		
61	42.1	34.5	51.7
119	15.4	11.2	16.8

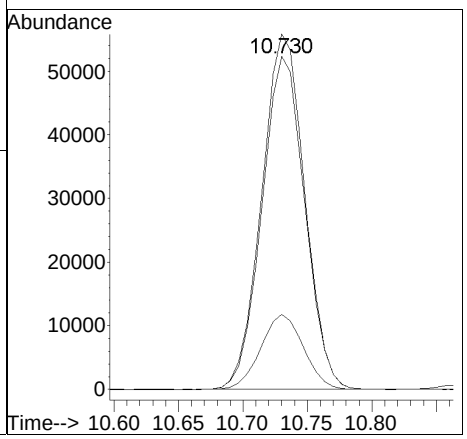


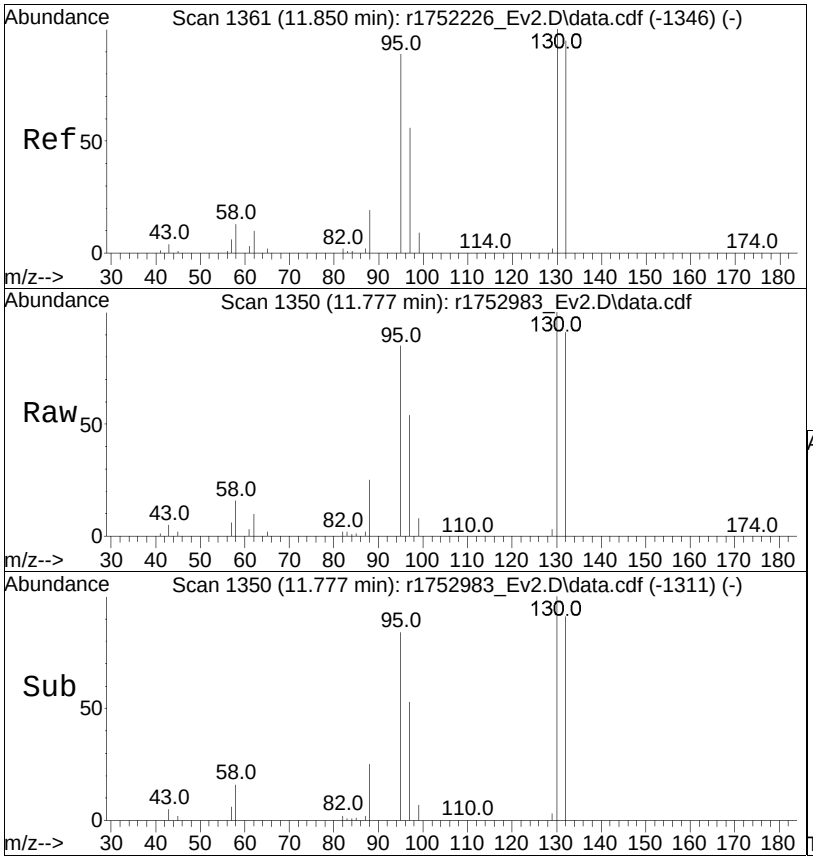


#38
carbon tetrachloride
Concen: 4.77 ppbV
RT: 10.730 min Scan# 1193
Delta R.T. -0.073 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion:117 Resp: 129450

Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.2	112.8
82	21.1	16.6	25.0

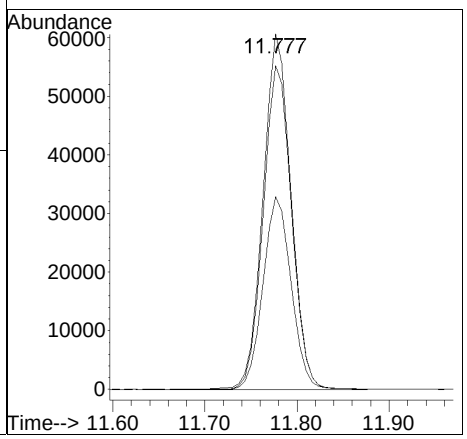


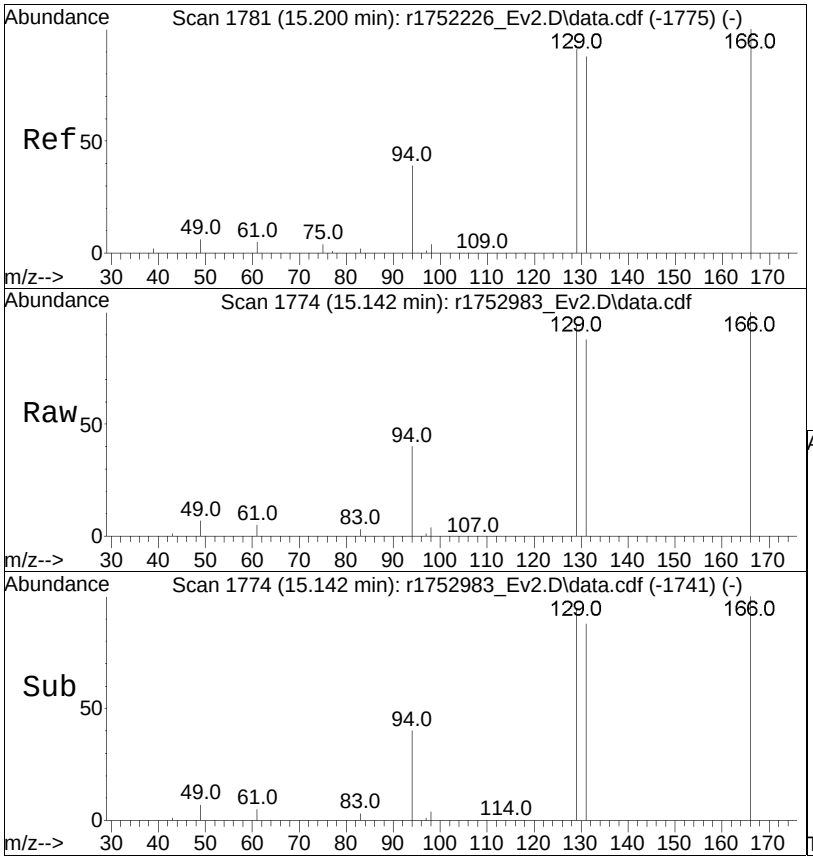


#44
trichloroethene
Concen: 4.22 ppbV
RT: 11.777 min Scan# 1350
Delta R.T. -0.073 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion:130 Resp: 128189

Ion	Ratio	Lower	Upper
130	100		
132	91.1	76.4	114.6
97	54.2	45.1	67.7

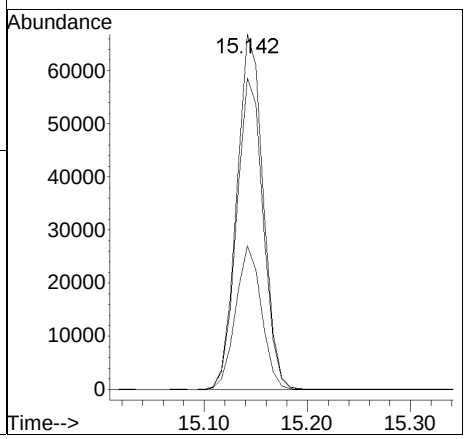




#57
tetrachloroethene
Concen: 4.47 ppbV
RT: 15.142 min Scan# 1774
Delta R.T. -0.058 min
Lab File: r1752983_Ev2.D
Acq: 18 Dec 2025 2:09 PM

Tgt Ion:166 Resp: 119183

Ion	Ratio	Lower	Upper
166	100		
131	87.6	70.6	105.8
94	40.4	31.4	47.0



Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752994_Ev2.D
Acq On : 18 Dec 2025 10:42 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-5,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:37 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab17\2025\12\1218SIM\r1752983_Ev2.D
Sub List : 7-NY-SIM - .

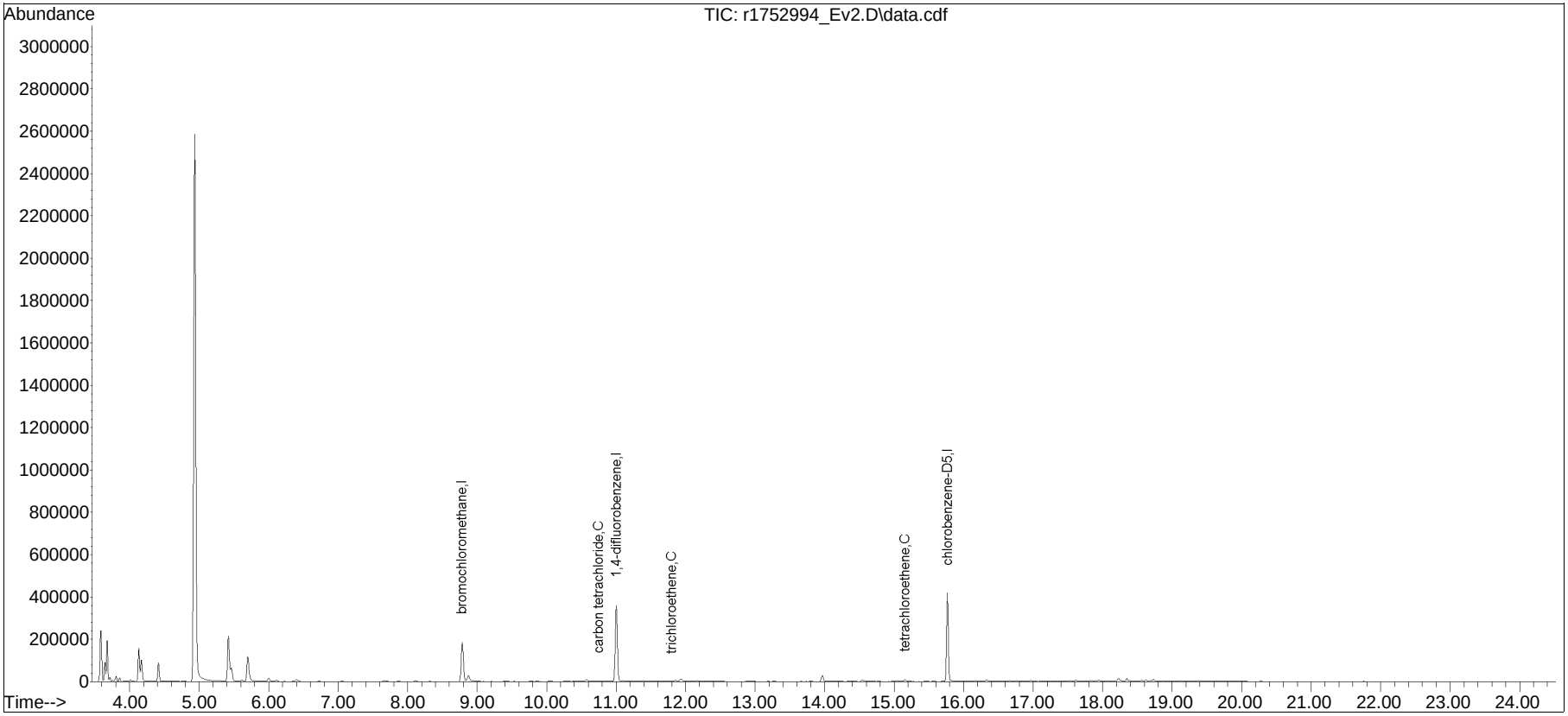
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	8.783	49	193261	10.000	ppbV	-0.06
Standard Area = 227226			Recovery =		85.05%	
33) 1,4-difluorobenzene	11.003	114	475078	10.000	ppbV	-0.05
Standard Area = 688414			Recovery =		69.01%	
51) chlorobenzene-D5	15.767	54	72300	10.000	ppbV	-0.03
Standard Area = 96640			Recovery =		74.81%	
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	10.750	117	2084	0.111	ppbV #	95
44) trichloroethene	11.797	130	266	0.013	ppbV #	79
57) tetrachloroethene	15.158	166	4588	0.230	ppbV	98

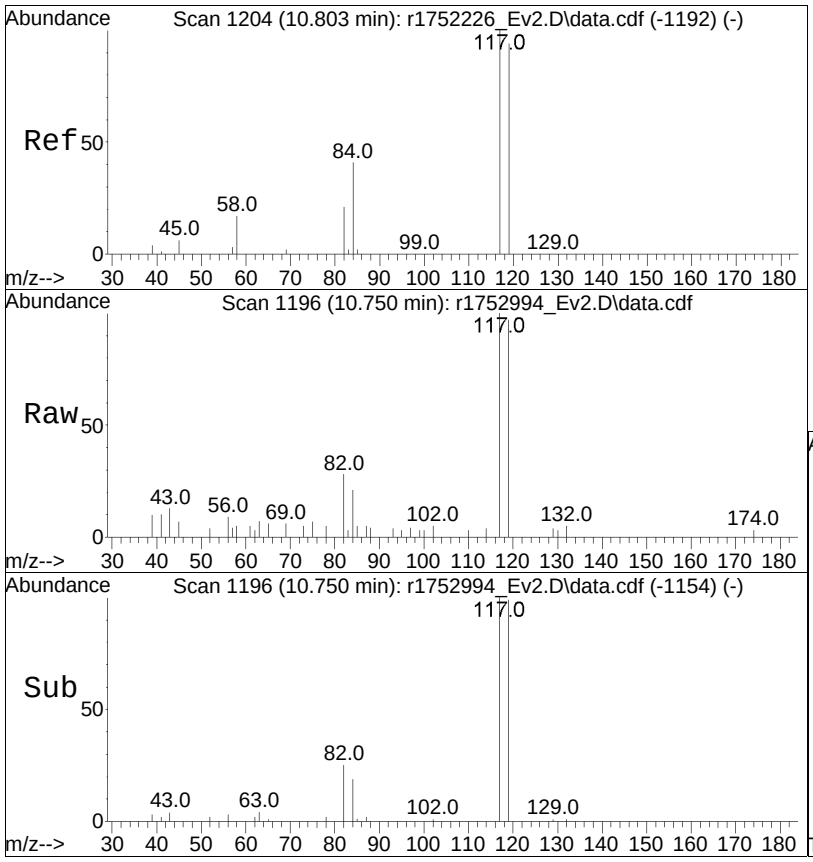
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab17\2025\12\1218SIM\r1752983_Ev2.D

Data Path : X:\Airlab\Data\Airlab17\2025\12\1218SIM\
Data File : r1752994_Ev2.D
Acq On : 18 Dec 2025 10:42 PM
Operator : AIRLAB17:TPH
Sample : WG2155820-5,3,250,250
Misc : WG2155820,ICAL22799
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Dec 19 08:47:37 2025
Quant Method : X:\Airlab\Data\Airlab17\2025\12\1218SIM\TSIM17_251105.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Nov 06 18:54:49 2025
Response via : Initial Calibration

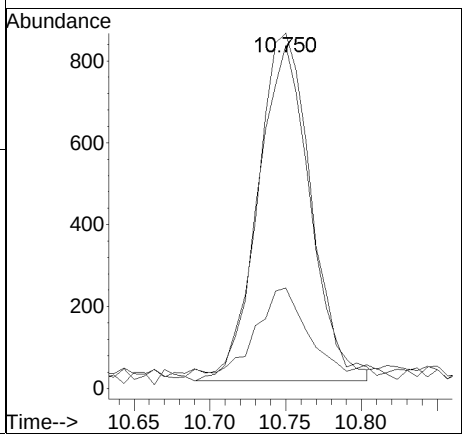


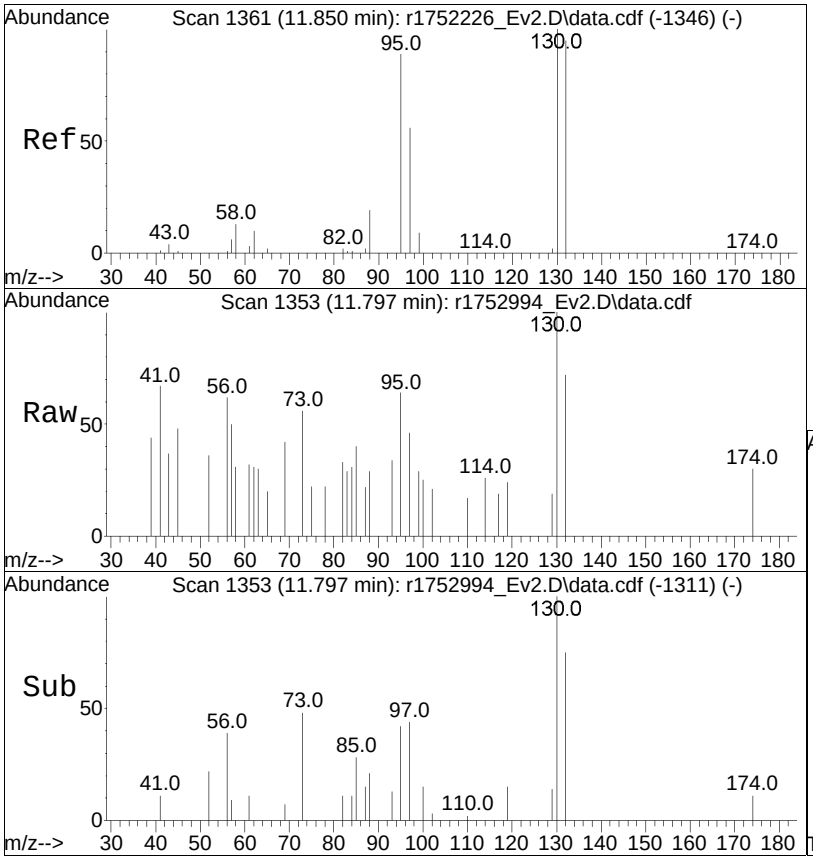


#38
carbon tetrachloride
Concen: 0.11 ppbV
RT: 10.750 min Scan# 1196
Delta R.T. -0.053 min
Lab File: r1752994_Ev2.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:117 Resp: 2084

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.2	112.8
82	28.2	16.6	25.0#

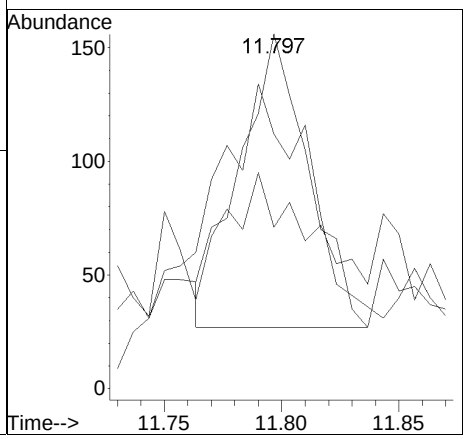


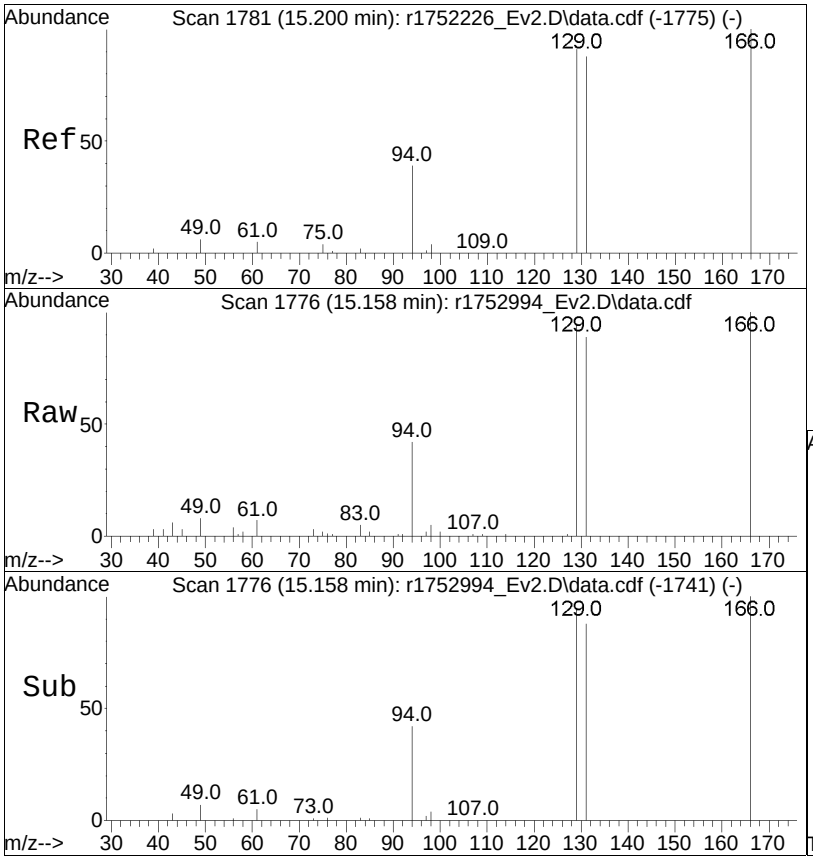


#44
trichloroethene
Concen: 0.01 ppbV
RT: 11.797 min Scan# 1353
Delta R.T. -0.053 min
Lab File: r1752994_Ev2.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:130 Resp: 266

Ion	Ratio	Lower	Upper
130	100		
132	71.8	76.4	114.6#
97	45.5	45.1	67.7

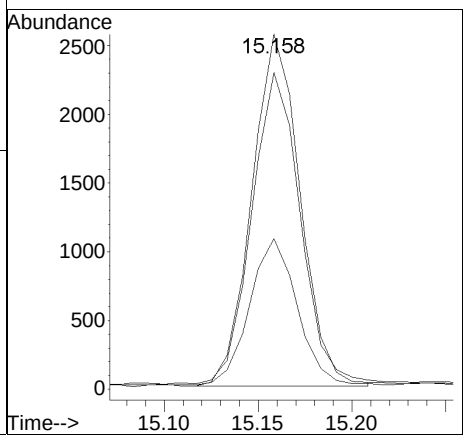




#57
tetrachloroethene
Concen: 0.23 ppbV
RT: 15.158 min Scan# 1776
Delta R.T. -0.042 min
Lab File: r1752994_Ev2.D
Acq: 18 Dec 2025 10:42 PM

Tgt Ion:166 Resp: 4588

Ion	Ratio	Lower	Upper
166	100		
131	89.2	70.6	105.8
94	42.5	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab17\20	QMethod	: TSIM17_251105.M
Data File	: r1752994_Ev2.D	Operator	: AIRLAB17:TPH
Date Inj'd	: 12/18/2025 10:42 PM	Instrument	:
Sample	: WG2155820-5,3,250,250	Quant Date	: 12/19/2025 8:47 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.

Result, ppbv = C_s x 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
$DF = V_{cf} / V_{ci}$
Where:
V_{ci} = volume of air in canister prior to pressurization, L
P =

Conversion of ppbv to ug/m^3
ug/m^3 = (ppbv) * 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).

$V_{ci} = 2.7 * Pl/14.696$

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)

Dec 22 2025, 10:05 am

Work Group: WG2155820 for Department: 3 GC/MS

Created: 18-DEC-25 Due: Operator: DJR

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2577500-01	AMB-1	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-02	IA-7	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-03	IA-11	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-04	IAQ-1	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-05	IA-9	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-06	IA-203	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-07	IA-202	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-08	IA-201	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-09	IA-206	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-10	IA-205	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-11	IA-209	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-12	IA-207	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
L2577500-13	IA-208	S	TO15-SIM	AIR	DONE	U	0102	1222	S0	Can-6
WG2155820-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2155820-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2155820-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG2155820-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG2155820-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				

Comments:

WG2155820-5 L2577500-08

Instrument ID: Airlab 17

Date: 11/05/25

Analyst Initials: APR

Internal Standard/Surrogate IDs: SS22-028/ SS21-026

Internal Standard/Surrogate Volume: 100 ml

Sequence File Name: 251105.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist
1	BA17110501	TO15_SFS.qgm	R1752216.qgd	250 mL		
1	BA17110502	TO15_SFS.qgm	R1752217.qgd	250 mL		
1	BA17110503	TO15_SFS.qgm	R1752218.qgd	250 mL		
1	TA17110501	TO15_SFS.qgm	R1752219.qgd	250 mL	TUNE	
9	ITO15-SIMSTD0.02	TO15_SFS.qgm	R1752220.qgd	50 mL SS25-033D	SIM ONLY	DEF
9	ITO15-SIMSTD0.05	TO15_SFS.qgm	R1752221.qgd	125 mL SS25-033D	SIM ONLY	DEF
9	ITO15-SIMSTD0.1	TO15_SFS.qgm	R1752222.qgd	250 mL SS25-033D	SIM ONLY	DEF
10	ITO15-SIMSTD0.2	TO15_SFS.qgm	R1752223.qgd	50 mL SS25-033C		DEF
10	ITO15-SIMSTD0.5	TO15_SFS.qgm	R1752224.qgd	125 mL SS25-033C		DEF
10	ITO15-SIMSTD1.0	TO15_SFS.qgm	R1752225.qgd	250 mL SS25-033C		DEF
11	ITO15-SIMSTD5.0	TO15_SFS.qgm	R1752226.qgd	125 mL SS25-033B		DEF
11	ITO15-SIMSTD010	TO15_SFS.qgm	R1752227.qgd	250 mL SS25-033B		DEF
12	ITO15-SIMSTD020	TO15_SFS.qgm	R1752228.qgd	50 mL SS25-033A		DEF
12	ITO15-SIMSTD050	TO15_SFS.qgm	R1752229.qgd	125 mL SS25-033A		DEF
12	ITO15-LLSTD100	TO15_SFS.qgm	R1752230.qgd	250 mL SS25-033A	LL ONLY	DEF
1	BA17110501	TO15_SFS.qgm	R1752231.qgd	250 mL		

Check Pass?
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA
NA

1	BA17110502	TO15_SFS.qgm	R1752232.qgd	250 mL		
2	CTO15-LLSTD10.0	TO15_SFS.qgm	R1752233.qgd	250 mL SS25-035A	LL ICV	DEF-ICV
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1752234.qgd	125 mL SS25-035A; propylene out low	DO NOT USE	
2	CTO15-SIMSTD5.0	TO15_SFS.qgm	R1752235.qgd	125 mL SS25-035A;	SIM ICV	DEF-ICV

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


NA
NA
NA
NA

Instrument ID: Airlab 17

Internal Standard/Surrogate IDs: SS22-028/ SS21-026

Date: 12/18/25

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR

Sequence File Name: 251218.S

AS Position #	Sample ID	Acquisition Method	Data File ID	Standard ID or Batch ID #, ICAL Ref #	Comment (s)	Product/ Sublist	Check Pass ?
1	TA17121201	TO15_SFS.qgm	R1752979.qgd	250 mL	TUNE		NA
2	APH-10 STD	TO15_SFS.qgm	R1752980.qgd	125 mL SS25-029B2	APH CC		NA
3	CA17121201	TO15_SFS.qgm	R1752981.qgd	250mL SS25-033E	LL CC		NA
4	TO15-LL-STD10.0	TO15_SFS.qgm	R1752982.qgd	250 mL SS25-035A	LL LCS	NARRATE TBA AND VA OUT LOW (NO NJ). RISKING T13DCP	NA
4	TO15-SIM-STD5.0	TO15_SFS.qgm	R1752983.qgd	125 mL SS25-035A	SIM LCS	NARRATE TBA AND VA OUT LOW	NA
1	BA17121201	TO15_SFS.qgm	R1752984.qgd	250 mL	LL BLANK		NA
1	BA17121202	TO15_SFS.qgm	R1752985.qgd	250 mL	SIM BLANK		NA
2	L2577500-01,3,250,250	TO15_SFS.qgm	R1752986.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
3	L2577500-02,3,250,250	TO15_SFS.qgm	R1752987.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
4	L2577500-03,3,250,250	TO15_SFS.qgm	R1752988.qgd	WG2155820,ICAL22799	ACETONE OCAL	NY + NAPH -7SIM	Y
5	L2577500-04,3,250,250	TO15_SFS.qgm	R1752989.qgd	WG2155820,ICAL22799	ETOH,ACE, IPA, EA OCAL	NY + NAPH -7SIM	Y
6	L2577500-05,3,250,250	TO15_SFS.qgm	R1752990.qgd	WG2155820,ICAL22799	ETOH OCAL	NY + NAPH -7SIM	Y
7	L2577500-06,3,250,250	TO15_SFS.qgm	R1752991.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
8	L2577500-07,3,250,250	TO15_SFS.qgm	R1752992.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
9	L2577500-08,3,250,250	TO15_SFS.qgm	R1752993.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
9	L2577500-08DUP,3,250,250	TO15_SFS.qgm	R1752994.qgd	WG2155820,ICAL22799	(DUMMY) LL/SIM DUP	NY + NAPH -7SIM	Y
10	L2577500-09,3,250,250	TO15_SFS.qgm	R1752995.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y

11	L2577500-10,3,250,250	TO15_SFS.qgm	R1752996.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
12	L2577500-11,3,250,250	TO15_SFS.qgm	R1752997.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
13	L2577500-12,3,250,250	TO15_SFS.qgm	R1752998.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
14	L2577500-13,3,250,250	TO15_SFS.qgm	R1752999.qgd	WG2155820,ICAL22799		NY + NAPH -7SIM	Y
15	L2577836-01,3,250,250	TO15_SFS.qgm	R1753000.qgd	WG2155816,ICAL22798		MCP	Y
16	L2577836-02,3,250,250	TO15_SFS.qgm	R1753001.qgd	WG2155816,ICAL22798		MCP	Y
1	L2577836-03,3,250,250	TO15_SFS.qgm	R1753002.qgd	WG2155816,ICAL22798		MCP	Y
2	L2577836-04,3,250,250	TO15_SFS.qgm	R1753003.qgd	WG2155816,ICAL22798		MCP	Y
3	L2577836-05,3,250,250	TO15_SFS.qgm	R1753004.qgd	WG2155816,ICAL22798		MCP	Y
4	L2577889-01,3,250,250	TO15_SFS.qgm	R1753005.qgd	WG2155823,ICAL22798		STD + NAPH	Y
5	L2577811-01,3,250,250	TO15_SFS.qgm	R1753006.qgd	WG2155816,ICAL22798	TRANSFER	MCP	Y
4	L2577500-03D,3,50,250	TO15_SFS.qgm	R1753007.qgd	WG2155820,ICAL22799		ACETONE	Y
5	L2577500-04D,3,15,250	TO15_SFS.qgm	R1753008.qgd	WG2155820,ICAL22799	ACETONE STILL OCAL	ETOH,ACE,IPA,EA	Y
6	L2577500-05D,3,20,250	TO15_SFS.qgm	R1753009.qgd	WG2155820,ICAL22799		ETOH	Y
5	L2577500-04D2,3,6.31,250	TO15_SFS.qgm	R1753010.qgd	WG2155820,ICAL22799	STILL OCAL	ACETONE	Y

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

Alpha Analytical, Inc.
Canister Dilution Worksheet

	NJDEP Required Information							Pressurization Dilution				Can Dilution				Instrument Dilution					
Sample ID	Can size, L	$P_{1,}$ in Hg	$P_{1,}$ atm	$V_{1,}$ L	$P_{2,}$ in Hg	$P_{2,}$ atm	$V_{2,}$ L	$P_{1,}$ psia	$P_{2,}$ psia	Dilution factor	Gas Used*	Volume injected, mL	Final Pressure, psia	Volume of Dilution Gas in Can, L	Can dilution factor	Volume of Bag or Can Analyzed, mL	Instrument Dilution Factor	Final Dilution Factor **	Final Volume Injected, mL ***	Analyst Initials	Barcode	SAMPLE ID SCANS
L2577500-14D	2.7	-1.98	0.93	2.52	30.27	2.01	5.43	13.7	29.5	2.15	N2	1000	14.7	1.00	1.00	35	7.14	15.38	16.25	BJB		I2577500-14a
L2577500-17D	2.7	-3.41	0.89	2.39	30.27	2.01	5.43	13.0	29.5	2.27	N2	10	29.4	2.00	200.41	100	2.50	1136.94	0.22	BJB		I2577500-17a
L2577500-21D	2.7	-3.61	0.88	2.37	30.27	2.01	5.43	12.9	29.5	2.29	N2	1000	14.7	1.00	1.00	25	10.00	22.87	10.93	BJB		I2577500-21a
L2577500-22D	2.7	-0.14	1.00	2.69	30.27	2.01	5.43	14.6	29.5	2.02	N2	1000	14.7	1.00	1.00	40	6.25	12.63	19.80	BJB		I2577500-22a
L2577500-04D	2.7	-4.63	0.85	2.28	30.27	2.01	5.43	12.4	29.5	2.38	N2	1000	14.7	1.00	1.00	15	16.67	39.65	6.31	KMH		I2577500-04a
L2577500-04D2	2.7	-4.63	0.85	2.28	30.27	2.01	5.43	12.4	29.5	2.38	N2	75	29.4	2.00	26.72	50	5.00	317.85	0.79	DJR		I2577500-04a

*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:

in Hg = ((psia/14.67)*29.94)-29.94 atm =psia/14.67 psig=psia - 14.67 psia = dilution instrument reading

Form# 117-05
12/22/2025 10:01 AM

ATTACHMENT 5

Data Usability Summary Report: December 2025 Sampling Event

Stantec Analytical Validation DUSR **Report No. 021126-EC-01**

Project Name: Belle Harbor	Project Number: 195601412
Stantec Validator: Steven Elliott	Laboratory: Alpha/Pace Analytical – Mansfield, MA
Date Validation Completed: 02/11/2026	Laboratory Project Number: L2577500
Sample End Date: 12/03/2025	Laboratory Report Date: 12/22/2025
Parameters Validated: Volatile Organic Compounds (VOC) by EPA TO-15 and TO-15 SIM	
Associated Chain(s) of Custody – no numbers. Samples Validated – 13 indoor air and 11 soil vapor 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.

	Yes	No
1. Were all the analyses requested for the samples submitted with each COC completed by the lab?	X	
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?	Yes NA	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	No X
Comments: batch WG2155905-3 LCS recovery was low for tert-butyl alcohol (68%). All associated detected sample results flagged "J-". Reason Code – LCS WG2155823-3 LCS recovery was low for tert-butyl alcohol (66%). All associated detected sample results flagged "J-". Reason Code – LCS LCS recoveries for WG2155823-3 and WG2156391-3 were high for trans-1,3-dichloropropene. Associated sample results were not detected and since bias high, no qualification necessary.		
12. Were matrix spike recoveries within control limits?	Yes NA	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 "R" and are not reportable. Reason Code EC,DNR		
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. Duplicate Sample No. Primary Sample No.		Yes	No X
Comments:			
20. Were at least 10 percent of the hard copy results compared to the Electronic Data Deliverable Results?	Yes X	No	Initials SE
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 1,3-butadiene and freon-113 and ethyl acetate for sample AMB-1 however results were reported not detected so no qualification necessary. Sample IA-11 reported questionable chromatogram and/or ion ratios are out of limits for hexane. Associated sample results flagged "J". Reason Code – ID B).Validation level – All samples validated Tier 2B for all samples and Tier 3 for minimum ten percent of the client submitted samples. AMB-1, IA-7, IA-11 (L2577500-1 thru 3) validated Tier 3.			

PRECISION, ACCURACY, METHOD COMPLIANCE AND COMPLETENESS ASSESSMENT

Precision:	Acceptable X	Unacceptable	Initials SE
Comments: Data usable as flagged.			
Accuracy:	Acceptable X	Unacceptable	Initials SE
Comments: Data usable as flagged.			
Method Compliance:	Acceptable X	Unacceptable	Initials SE
Comments: Data usable as flagged.			
Completeness:	Acceptable X	Unacceptable	Initials SE
Comments: Greater than 90%.			