HALEY ALDRICH

www.haleyaldrich.com

INDOOR AIR MONITORING REPORT – MARCH 2026

340 MYRTLE AVENUE REDEVELOPMENT
340 MYRTLE AVENUE
BROOKLYN, NEW YORK
NYSDEC BCP SITE NO. C224340

by
H & A of New York Engineering and Geology, LLP
New York, New York

for
New York State Department of Environmental Conservation
Albany, New York

File No. 0210873
April 2026

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

April 23, 2026
File No. 0210873

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Attention: Mr. Christopher Allan

Subject: Indoor Air Monitoring Evaluation – March 2026
340 Myrtle Avenue
Brooklyn, New York
NYSDEC BCP Site No. C224340

Dear Mr. Allan:

On behalf of 340 Myrtle Development LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is pleased to submit this letter detailing the March 2026 Indoor Air Monitoring activities at the above-referenced subject site ("Site"). A project locus is provided as Figure 1.

Indoor Air Monitoring Evaluation

In accordance with the Site Management Plan (SMP) dated February 25, 2025, and as documented in the approved Remedial Action Work Plan dated April 30, 2024, and Decision Document dated May 7, 2024, the Track 2 remedy requires post-remedial indoor air sampling in accordance with New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation (DER)-10 ("Technical Guidance for Site Investigation and Remediation") and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006; last updated February 2024). In accordance with the February 2025 SMP, indoor air sampling is required following remedial excavation activities prior to activation of the sub-slab depressurization system (SSDS), three months after SSDS startup and before occupancy, and then annually during the heating season thereafter to measure the effectiveness of the SSDS and to determine if the system needs to remain active or can be made passive. Additionally, pressure field extension testing is required to be conducted during each indoor air sampling event.

In March 2026, Haley & Aldrich of New York completed an indoor air sampling event, which included sample collection in the cellar and first floor of the building, from the SSDS riser, and ambient air. Samples were collected annually during the heating season. The building is currently occupied, with commercial storage, a fitness center, and mechanical rooms on the cellar level, a grocery store (not yet occupied) and residential lobby on the first floor, and residential units on floors two through eight. Sample location maps

are provided as Figures 2 and 3. Analytical results are provided in Attachment 1 and are summarized in Table I.

Building Survey and Chemical Inventory

Prior to collecting the indoor air samples, Haley & Aldrich of New York conducted a building survey to identify materials present in the building that may contain volatile organic compounds (VOCs) and potentially influence indoor air quality. Materials observed during the survey included one 6-pound bucket of Hercules brand Pro Dope Pipe Joint Compound, one 1-gallon bucket of Hercules brand Clear Cutting Oil with Sulphur Base, 10 15-ounce cans of Victoria Bay brand Stainless Steel Polish, eight 15-ounce cans of Sprayway Stainless Steel Cleaner, 22 19-ounce cans of Zep brand Foaming Glass Cleaner, 21 19-ounce cans of Sprayway Glass Cleaner, three 1-gallon buckets of W.M. Barr brand Goof Off, 14 32-ounce bottles of S.C. Johnson brand Windex, eight 1-gallon bottles of JACO Mars brand 101 Regular Bleach, three 5-gallon buckets of Benjamin Moore brand paint thinner, two 15-fluid ounce bottles of Mistolin brand Mistolin disinfectant cleaner, one 24-fluid ounce bottle of Advanced Sterilization Products brand XTRA detergent. These materials were documented to contain undisclosed VOC concentrations ranging up to 50 percent per product labeling and publicly available safety data. These materials are common construction-related sources of VOCs and are known to off-gas under indoor conditions, particularly when stored in enclosed areas.

Although the building's heating, ventilation, and air conditioning (HVAC) system was operating during the sampling event, localized storage of these materials likely contributed to the presence of VOCs in indoor air, which are commonly found in adhesives, cleaners, and building materials. A chemical inventory for potential VOC-containing materials observed stored at the Site during this sampling event is provided as Table II, Safety Data Sheets (SDS) are included as Attachment 2, and an NYSDOH Air Quality Questionnaire is included as Attachment 3. A photo log is included as Attachment 4.

Indoor Air Samples

On March 9 and 10, 2026, Haley & Aldrich of New York personnel mobilized to the Site to conduct the third indoor air sampling event during SSDS operation. In accordance with the NYSDEC-approved SMP, five 24-hour duration indoor air samples were collected: three within the cellar level (IA-01 through IA-03) and two on the first floor (IA-04 and IA-05). Additionally, one 24-hour duration outdoor ambient air sample (AA-01) was collected. Samples were collected into 6-liter Summa® canisters, and the flow rate for sampling did not exceed 0.2 liters per minute (L/min). Indoor air samples and the outdoor air ambient air sample were collected at breathing height, approximately 3 to 5 feet (ft) above the floor.

During this sampling event, one air sample was collected from the SSDS sample port into a 5-liter Tedlar® bag.

Samples were collected in laboratory-supplied individually certified-clean 6-liter Summa® canisters with 24-hour flow controllers, or a 5-liter Tedlar® bag, and transported under standard chain of custody to Pace Analytical Services, LLC. (Pace) of Mansfield, Massachusetts, an NYSDOH Environmental Laboratory

Approval Program (ELAP)-certified laboratory (ELAP No. 12191). Samples were analyzed for VOCs via United States Environmental Protection Agency Method TO-15. A photo log is included as Attachment 4.

Pressure Field Extension Testing

Pressure field extension testing was conducted during the indoor air sampling event by collecting negative pressure (vacuum) readings via a digital manometer from the SSDS sub-slab monitoring points and sample port. Vacuum readings ranged from -0.005 to 0.000 inches of water column (iwc) and indicated that there were deficiencies at all monitoring points. Haley & Aldrich of New York personnel remobilized to the Site on April 8, 2026, to abandon and reinstall each SSDS monitoring point. Pressure field extension testing was conducted following the reinstallation event by collecting negative pressure (vacuum) readings via a digital manometer from the SSDS sub-slab monitoring points and sample port. Vacuum readings ranged from 0.018 to 0.034 iwc. Pressure field extension testing results from these events are presented in Table III. A photo log is included as Attachment 4.

Analytical Results

INDOOR AND AMBIENT AIR SAMPLES

Analytical results are provided in Table I. A data usability summary report (DUSR) is provided in Attachment 5.

A summary of the analytical results is presented below:

- Carbon tetrachloride was detected in each of the five indoor air samples at concentrations ranging from 0.434 micrograms per cubic meter (µg/m³) in IA-04_20260309 to 0.465 µg/m^3 in IA-02_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 0.516 µg/m^3.
  - Detections of carbon tetrachloride in indoor air were consistent with, and below, the ambient air sample, and it was not detected in any of the endpoint samples post-remedy; it is not a soil vapor intrusion (SVI) concern for this Site.
- 1,2,4-trimethylbenzene was detected in each of the five indoor air samples at concentrations ranging from 5.06 µg/m³ in IA-02_20260309 to 14 µg/m^3 in IA-04_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - 1,2,4-trimethylbenzene was not detected above in any of the endpoint samples post-remedy, and it was not detected above Ambient Water Quality Standards (AWQS) during the Phase II Environmental Site Investigation (ESI) or Remedial Investigation completed in 2021 and 2023, respectively.
  - Concentrations of 1,2,4-trimethylbenze in indoor air are likely due to the storage of construction materials and ongoing construction of the grocery store in the cellar and first floor.
  - Because there is no on-site source of 1,2,4-trimethylbenzene in soil or in Site groundwater, it is not an SVI concern for this Site.

- 1,3,5-trimethylbenzene was detected in each of the five indoor air samples at concentrations ranging from 2.09 µg/m³ in IA-02_20260309 to 5.9 µg/m³ in IA-04_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - 1,3,5-trimethylbenzene was not detected above the Unrestricted Use Soil Cleanup Objective (UUSCO) in any of the endpoint samples post-remedy, and it was not detected above AWQS during the Phase II ESI or Remedial Investigation completed in 2021 and 2023, respectively.
  - Concentrations of 1,3,5-trimethylbenzene in indoor air are likely due to the storage of construction materials and ongoing construction of the grocery store in the cellar and first floor.
  - Because there is no on-site source of 1,3,5-trimethylbenzene in soil or in Site groundwater, it is not an SVI concern for this Site.
- 2,2,4-trimethylpentane was detected in three of the five indoor air samples at concentrations ranging from 0.972 µg/m³ in IA-01_20260309 to 2.62 µg/m³ in IA-02_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 1.38 µg/m³.
  - 2,2,4-trimethylpentane was not detected in soil vapor samples collected during the Phase II ESI and Remedial Investigation, completed in 2021 and 2023, respectively. 2,2,4-trimethylpentane can be found in several industrial products, such as adhesives, paint thinners, and gasoline.
  - Because there was no historical on-site source of 2,2,4-trimethylpentane, and soil has been removed as part of the remedy, 2,2,4-trimethylpentane is not an SVI concern for this Site.
- Benzene was detected in each of the five indoor air samples at concentrations ranging from 1.08 µg/m³ in IA-04_20260309 to 1.59 µg/m³ in IA-02_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 1.54 µg/m³.
  - Benzene was not detected above the UUSCO in any of the endpoint samples post-remedy, and it was not detected above AWQS during the Phase II ESI or Remedial Investigation completed in 2021 and 2023, respectively.
  - In addition, detections of benzene in indoor air were consistent with or below the ambient air sample.
  - Because there is no on-site source of benzene in soil or in Site groundwater, it is not an SVI concern for this Site.
- Cyclohexane was detected in two of the five indoor air samples at concentrations ranging from 0.812 µg/m³ in IA-05_20260309 to 0.96 µg/m³ in IA-02_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - Cyclohexane was not detected in soil vapor samples collected during the Phase II ESI and Remedial Investigation, completed in 2021 and 2023, respectively. Cyclohexane can be found in several industrial products, such as adhesives, paint thinners, and gasoline.
  - Because there was no historical on-site source of cyclohexane, and soil has been removed as part of the remedy, cyclohexane is not an SVI concern for this Site.

- Ethylbenzene was detected in each of the five indoor air samples at concentrations ranging from 1.32 µg/m³ in IA-04_20260309 to 1.86 µg/m³ in IA-02_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - Ethylbenzene was not detected above the UUSCO in any of the endpoint samples post-remedy, and it was not detected above AWQS during the Phase II ESI or Remedial Investigation completed in 2021 and 2023, respectively.
  - Because there is no on-site source of ethylbenzene in soil or in Site groundwater, it is not an SVI concern for this Site.
- N-heptane was detected in each of the five indoor air samples at concentrations ranging from 0.963 µg/m³ in IA-04_20260309 to 2.14 µg/m³ in IA-02_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - N-heptane was detected in one soil vapor sample during the Remedial Investigation completed in 2023. This sampling location was completed off Site, west of the western Site boundary. No other detections of n-heptane were present on the Site. N-heptane can be found in rubber products, paints, adhesives, and coatings.
  - Because there was no historical on-site source of n-heptane, it is not an SVI concern for this Site.
- Hexane was detected in each of the five indoor air samples at concentrations ranging from 0.948 µg/m³ in IA-04_20260309 to 3.49 µg/m³ in IA-01_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 1.89 µg/m³.
  - Hexane was detected in three soil vapor samples and one indoor air sample during the Remedial Investigation completed in 2023. These sampling locations were completed off Site, either in the adjacent sidewalks to the west and north or the off-site property to the east. Hexane can be found in quick-drying adhesives and coatings as well as in cleaning agents.
  - In addition, detections of hexane in indoor air were consistent with or below the ambient air sample.
  - Because there was no historical on-site source of hexane, it is not an SVI concern for this Site.
- O-xylene was detected in each of the five indoor air samples at concentrations ranging from 2.83 µg/m³ in IA-04_20260309 to 3.92 µg/m³ in IA-02_20260309. This compound was not detected in the ambient air sample, AA-01_20260309.
  - O-xylene was not detected above the UUSCO in any of the endpoint samples post-remedy, and it was not detected above AWQS during the Phase II ESI or Remedial Investigation completed in 2021 and 2023, respectively.
  - Because there is no on-site source of o-xylene in soil or in Site groundwater, it is not an SVI concern for this Site.
- M,p-xylenes were detected in each of the five indoor air samples at concentrations ranging from 6.73 µg/m³ in IA-04_20260309 to 8.34 µg/m³ in IA-02_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 1.78 µg/m³.

  - M,p-xylenes were detected at low, estimated levels in one endpoint sample and one sidewall sample post-remedy (i.e., between the laboratory detection and method detection limits, and below UUSCOs), and were not detected above AWQS during the Phase II ESI or Remedial Investigation completed in 2021 and 2023, respectively.
  - Because there is no on-site source of m,p-xylenes in soil or in Site groundwater, they are not an SVI concern for this Site.

- Tetrachloroethene (PCE) was detected in each of the five indoor air samples at concentrations ranging from 0.271 µg/m^3 in IA-04_20260309 to 3.09 µg/m^3 in IA-02_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 0.264 µg/m^3.
  - These concentrations have generally decreased since the July 2025 sampling event, when PCE was detected in each of the five indoor air samples at concentrations from 1.5 to 2.2 µg/m^3.
  - PCE was not detected above the UUSCO in any of the endpoint samples post-remedy; however, PCE was detected above its AWQS in Site groundwater during the 2025 groundwater sampling events.
  - While PCE concentrations for all five indoor air locations, when compared to its NYSDOH Matrix, fall into the "No Further Action" category, PCE will continue to be monitored during future sampling events, both in indoor air and in groundwater. In addition, SSDS operation will continue to mitigate any potential sources from SVI.
- Toluene was detected in each of the five indoor air samples at concentrations ranging from 34.9 µg/m^3 in IA-04_20260309 to 61 µg/m^3 in IA-05_20260309. This compound was detected in the ambient air sample, AA-01_20260309, at a concentration of 3.16 µg/m^3.
  - Toluene was not detected above in any of the endpoint samples post-remedy, and it was detected in one off-site monitoring well above AWQS during the Remedial Investigation in 2023.
  - Because there was no historical on-site source of toluene, it is not an SVI concern for this Site.

Other VOCs detected in indoor air were 2-butanone (methyl ethyl ketone), 4-ethyltoluene (1-ethyl-4-methylbenzene), acetone, carbon disulfide, chloroform (trichloromethane), chloromethane (methylene chloride), dichlorofluoromethane (CFC-12), ethanol, ethyl acetate, styrene, isopropanol, tert butyl alcohol, tetrahydrofuran, trans-1,2-dichloroethene, and trichlorofluoromethane (CFC-11).

EMISSIONS TESTING

Concurrent with the March 2026 indoor air sampling event, a sample from the SSDS riser pipe was collected during normal operation of the active system to evaluate if air emissions treatment of the SSDS would be required. As a conservative estimate, the maximum air flow rate of 500 cubic feet per minute (cfm) for the Obar GBR89 fan was used. The air sample was collected from the riser into a laboratory-supplied 5-liter Tedlar® bag.

The flow rate and analytical results were used to calculate emissions rates and compare the high toxicity air contaminants (HTACs) and non-HTACs to the allowable emission rates presented in Title 6 of the New

York Codes, Rules and Regulations (NYCRR) Subpart 212-2.2 Table 2, current through February 15, 2022. The SSDS emission rates were below their respective allowable emission rates. As per 6 NYCRR Subpart 212-2, the SSDS emissions do not require treatment.

Analytical results are provided in Table I. The emission rate calculations are provided in Table IV. The analytical laboratory package is provided in Attachment 1.

Conclusions

The March 2026 indoor air analytical results were compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices. Although sub-slab soil vapor samples were not collected, the indoor air samples were collected while the SSDS was operating. Therefore, the sub-slab soil vapor concentrations are assumed to be within the lowest concentration range for each compound. When compared to the NYSDOH matrices, all compounds with matrices qualify for the "No Further Action" category for all samples, except for 1,2,4-trimethylbenzene and toluene.

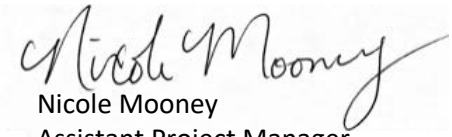
1,2,4-trimethylbenzene concentrations in four out of five samples (IA-01, IA-03, IA-04, and IA-05) were such that NYSDOH recommends "identify source(s) or resample or mitigate," while the 1,2,4-trimethylbenzene concentration in IA-02 indicates that "no further action" is necessary.

Toluene concentrations in four out of the five samples (IA-01 through IA-04) indicate that "no further action" is necessary; however, the toluene concentration at IA-05 indicates that NYSDOH recommends "identify source(s) or resample or mitigate."

These compounds were not detected above UUSCOs in any post-remediation endpoint samples, nor were they detected above AWQS in groundwater samples collected prior to remediation. Detections of these compounds in indoor air indicate residual concentrations, likely resulting from the storage and use of construction materials, including the active construction of the grocery store within the commercial space. Additionally, the building has Engineering Controls (ECs), including an active SSDS and cover system consisting of a 20-mil vapor barrier and concrete slab. In consideration of the existing ECs and post-remediation soil concentrations below UUSCOs, and groundwater concentrations below AWQS pre-remediation, Haley & Aldrich of New York concludes that SVI is not a concern for these compounds. However, due to PCE concentrations in groundwater above its AWQS, the SSDS will continue to operate without carbon treatment as an EC and will be monitored and inspected in accordance with the NYSDEC-approved SMP dated February 2025.

Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP



Nicole Mooney
Assistant Project Manager

Matthew Levy
Senior Project Manager

Suzanne M. Bell, P.E.
Senior Associate

Enclosures:

- Table I: Summary of Air Quality Data
- Table II: Chemical Inventory List with Potential for VOCs during March 2026 Indoor Air Sampling
- Table III: Pressure Field Extension Test Readings
- Table IV: SSDS Riser VOC Emission Rates
- Figure 1: Project Locus
- Figure 2: Indoor Air Sample Locations - Cellar
- Figure 3: Indoor Air Sample Locations – First Floor
- Attachment 1: Laboratory Analytical Report
- Attachment 2: Safety Data Sheets
- Attachment 3: NYSDOH Air Quality Questionnaire
- Attachment 4: Photo Logs
- Attachment 5: Data Usability Summary Report

TABLES

TABLE I
SUMMARY OF AIR QUALITY DATA
340 MYRTLE AVENUE
BROOKLYN, NEW YORK
FILE NO. 0210873

Location Name	Action Level						IA-01	IA-02	IA-03	IA-04	IA-05	AA-01	RISER-01
Sample Name	New York DOH Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion			New York DOH Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion			IA-01_20260309	IA-02_20260309	IA-03_20260309	IA-04_20260309	IA-05_20260309	AA-01_20260309	RISER_20260310
Sample Date							03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/10/2026
Lab Sample ID							L2612752-02	L2612752-03	L2612752-04	L2612752-05	L2612752-06	L2612752-07	L2612752-01
Soil Disposal Classification	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Ambient Air*	SSDS Riser*
Matrix A													
1,1-Dichloroethene	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	-	-	-	-	-	-	ND (0.793)
1,1-Dichloroethene (SIM)	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	-
Carbon tetrachloride	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	-	-	-	-	-	-	ND (1.26)
Carbon tetrachloride (SIM)	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	0.44	0.465	0.447	0.434	0.447	0.516	-
cis-1,2-Dichloroethene	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	-	-	-	-	-	-	ND (0.793)
cis-1,2-Dichloroethene (SIM)	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	ND (0.079)	-
Trichloroethene	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	-	-	-	-	-	-	ND (1.07)
Trichloroethene (SIM)	< 0.2	0.2 - 1	> 1	< 6	6 - 60	> 60	ND (0.107)	ND (0.107)	ND (0.107)	ND (0.107)	ND (0.107)	ND (0.107)	-
Matrix B													
1,1,1-Trichloroethane	< 3	3 - 10	> 10	< 100	100 - 1000	> 1000	-	-	-	-	-	-	ND (1.09)
1,1,1-Trichloroethane (SIM)	< 3	3 - 10	> 10	< 100	100 - 1000	> 1000	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	ND (0.109)	-
Tetrachloroethene	< 3	3 - 10	> 10	< 100	100 - 1000	> 1000	-	-	-	-	-	-	54.5
Tetrachloroethene (SIM)	< 3	3 - 10	> 10	< 100	100 - 1000	> 1000	0.366	3.09	0.434	0.271	0.278	0.264	-
Methylene chloride (Dichloromethane)	< 3	3 - 10	> 10	< 100	100 - 1000	> 1000	2.36	5.59	2.38	ND (1.74)	1.87	ND (1.74)	4.59
Matrix C													
Vinyl chloride	< 0.2	NA	> 0.2	< 6	6 - 60	> 60	-	-	-	-	-	-	ND (0.511)
Vinyl chloride (SIM)	< 0.2	NA	> 0.2	< 6	6 - 60	> 60	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.051)	ND (0.051)	-
Matrix D													
Benzene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	1.33	1.59	1.4	1.08	1.16	1.54	0.898
Ethylbenzene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	1.55	1.86	1.65	1.32	1.63	ND (0.869)	0.947
Naphthalene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	ND (0.996)	ND (0.996)	ND (0.996)	ND (0.996)	ND (0.996)	ND (0.996)	ND (0.996)
Cyclohexane	< 2	2 - 10	> 10	< 60	60 - 600	> 600	ND (0.688)	0.96	ND (0.688)	ND (0.688)	0.812	ND (0.688)	ND (0.688)
1,2,4-Trimethylbenzene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	12	5.06	12.1	14	13	ND (0.983)	5.7
1,3,5-Trimethylbenzene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	5.01	2.09	4.64	5.9	5.21	ND (0.983)	2.54
o-Xylene	< 2	2 - 10	> 10	< 60	60 - 600	> 600	3.39	3.92	3.7	2.83	3.15	ND (0.869)	1.55
Matrix E													
m,p-Xylenes	< 6	6 - 20	> 20	< 200	200 - 2000	> 2000	7.99	8.34	8.21	6.73	8.12	1.78	4.27
N-Heptane	< 6	6 - 20	> 20	< 200	200 - 2000	> 2000	1.5	2.14	1.67	0.963	1.27	ND (0.82)	1.59
Hexane	< 6	6 - 20	> 20	< 200	200 - 2000	> 2000	3.49	1.83	1.43	0.948	1.87	1.89	2.02
Matrix F													
Toluene	< 10	10 - 50	> 50	< 300	300 - 3000	> 3000	47.5	47.1	49	34.9	61	3.16	19.9

TABLE I
SUMMARY OF AIR QUALITY DATA
340 MYRTLE AVENUE
BROOKLYN, NEW YORK
FILE NO. 0210873

Location Name	Action Level												
Sample Name	New York DOH Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion			New York DOH Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion			IA-01	IA-02	IA-03	IA-04	IA-05	AA-01	RISER-01
Sample Date							IA-01_20260309	IA-02_20260309	IA-03_20260309	IA-04_20260309	IA-05_20260309	AA-01_20260309	RISER_20260310
Lab Sample ID							03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/09/2026	03/10/2026
Soil Disposal Classification	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	L2612752-02	L2612752-03	L2612752-04	L2612752-05	L2612752-06	L2612752-07	L2612752-01
							Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Ambient Air*	SSDS Riser*
Volatile Organic Compounds (µg/m3)													
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)	ND (1.37)
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)	ND (1.09)
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)	ND (1.48)
1,2-Dibromoethane (Ethylene Dibromide)	NA	NA	NA	NA	NA	NA	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)	ND (1.54)
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)	ND (0.809)
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)	ND (0.924)
1,2-Dichlorotetrafluoroethane (CFC 114)	NA	NA	NA	NA	NA	NA	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)	ND (1.4)
1,3-Butadiene	NA	NA	NA	NA	NA	NA	ND (0.442)	ND (0.442)	ND (0.442)	ND (0.442)	ND (0.442)	ND (0.442)	ND (0.442)
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)
1,4-Dioxane	NA	NA	NA	NA	NA	NA	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)
2,2,4-Trimethylpentane (Isooctane)	NA	NA	NA	NA	NA	NA	0.972	2.62	1.09	ND (0.934)	ND (0.934)	1.38	ND (0.934)
2-Butanone (Methyl Ethyl Ketone)	NA	NA	NA	NA	NA	NA	64.9	94.1	68.7	33.6	34.5	ND (1.47)	27.3
2-Hexanone (Methyl Butyl Ketone)	NA	NA	NA	NA	NA	NA	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)	ND (0.82)
4-Ethyltoluene (1-Ethyl-4-Methylbenzene)	NA	NA	NA	NA	NA	NA	2.8	1.36	2.87	3.4	3.02	ND (0.983)	ND (0.983)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	NA	NA	NA	NA	NA	ND (2.05)	ND (2.05)	ND (2.05)	ND (2.05)	ND (2.05)	ND (2.05)	ND (2.05)
Acetone	NA	NA	NA	NA	NA	NA	130	212	142	136	156	11.6	94.8
Allyl chloride	NA	NA	NA	NA	NA	NA	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)	ND (0.626)
Benzyl Chloride (alpha-Chlorotoluene)	NA	NA	NA	NA	NA	NA	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)	ND (1.04)
Bromodichloromethane	NA	NA	NA	NA	NA	NA	ND (1.34)	ND (1.34)	ND (1.34)	ND (1.34)	ND (1.34)	ND (1.34)	ND (1.34)
Bromoform	NA	NA	NA	NA	NA	NA	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)	ND (2.07)
Bromomethane (Methyl Bromide)	NA	NA	NA	NA	NA	NA	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)	ND (0.777)
Carbon disulfide	NA	NA	NA	NA	NA	NA	ND (0.623)	2.43	ND (0.623)	ND (0.623)	ND (0.623)	ND (0.623)	ND (0.623)
Chlorobenzene	NA	NA	NA	NA	NA	NA	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)	ND (0.921)
Chloroethane	NA	NA	NA	NA	NA	NA	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)	ND (0.528)
Chloroform (Trichloromethane)	NA	NA	NA	NA	NA	NA	1.36	2.42	1.25	ND (0.977)	ND (0.977)	ND (0.977)	1.37
Chloromethane (Methyl Chloride)	NA	NA	NA	NA	NA	NA	1.06	1.21	1.06	1.07	1.06	1.03	0.809
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)
Dibromochloromethane	NA	NA	NA	NA	NA	NA	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)	ND (1.7)
Dichlorodifluoromethane (CFC-12)	NA	NA	NA	NA	NA	NA	2.08	2.51	2.35	2.34	2.3	2.31	2.1
Ethanol	NA	NA	NA	NA	NA	NA	46.2	102	48.6	41.3	43.3	43	56
Ethyl acetate	NA	NA	NA	NA	NA	NA	2.93	6.67	4.07	ND (1.8)	ND (1.8)	ND (1.8)	ND (1.8)
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)	ND (2.13)
Isopropyl Alcohol (2-Propanol)	NA	NA	NA	NA	NA	NA	85.5	17.5	16.5	18	31.5	15.7	14.2
Methyl Tert Butyl Ether (MTBE)	NA	NA	NA	NA	NA	NA	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)	ND (0.721)
Styrene	NA	NA	NA	NA	NA	NA	1.63	2.17	1.89	1.7	1.78	ND (0.852)	ND (0.852)
Tert-Butyl Alcohol (tert-Butanol)	NA	NA	NA	NA	NA	NA	1.82	2.58	2.33	ND (1.52)	ND (1.52)	ND (1.52)	ND (1.52)
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	40.4	62.8	38.9	23.2	23.1	ND (1.47)	17.7
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	40.4	34.2	45.6	41.6	44.8	ND (0.793)	29.5
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)	ND (0.908)
Trichlorofluoromethane (CFC-11)	NA	NA	NA	NA	NA	NA	1.26	1.34	1.42	1.48	1.35	1.49	1.2
Trifluorotrichloroethane (Freon 113)	NA	NA	NA	NA	NA	NA	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)	ND (1.53)
Vinyl Bromide (Bromoethene)	NA	NA	NA	NA	NA	NA	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)	ND (0.874)

Notes and Abbreviations:

** The Ambient Air and SSDS Riser samples are not compared to the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion.*

µg/m ^{3} : micrograms per cubic meter

NA: Not Applicable

ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.

*- **Bold Green** text indicates no further action is recommended.*

- Blue highlighted text indicates additional monitoring recommended.

- Orange highlighted text indicates actions to identify the source(s), resampling, and/or mitigation is recommended.

TABLE II

CHEMICAL INVENTORY LIST WITH POTENTIAL FOR VOCS DURING MARCH 2026 INDOOR AIR SAMPLING

340 MYRTLE AVENUE
BROOKLYN, NEW YORK
FILE NO. 0210873

Construction Material	Quantity	Location	Notes
Pro Dope Pipe Joint Compound, HCC Holdings Inc.	(1) 6-lbs bucket	First Floor	Up to 11g/L of undisclosed VOCs
Clear Cutting Oil with Sulphur Base, HCC Holdings Inc.	(1) 1-gal bucket	First Floor	Less than 10 g/L or 1% by weight of undisclosed VOCs
Stainless Steel Polish, Victoria Bay	(10) 15-oz cans	Cellar Trash Compactor Room	Up to 50% by volume of distillates, propane, 2-propanone, acetic acid, and methanol
Stainless Steel, Sprayway	(8) 15-oz cans	Cellar Trash Compactor Room	Up to 50% by volume of distillates, acetone, propane, d-Limonene, and citral
Foaming Glass Cleaner, Zep	(22) 19-oz cans	Cellar Trash Compactor Room	Up to 20% of ethanol, butane, propan-2-ol, and propane
Glass Cleaner, Sprayway	(21) 19-oz cans	Cellar Trash Compactor Room	Up to 25% of ethanol, 2-butoxyethanol, propane, and butane
Goof Off	(3) 1-gal buckets	Cellar Trash Compactor Room	Up to 20% by weight of acetone, xylene, ethylbenzene, and methanol
Windex, S.C. Johnson	(14) 32-oz bottles	Cellar Trash Compactor Room	Undisclosed amount of VOCs
101 Regular Bleach, JACO Mars	(8) 1-gal bottles	Cellar Trash Compactor Room	Undisclosed amount of VOCs
Waterborne Acrylic Eurothane, Benjamin Moore	(3) 5-gal buckets	Stair A Storage Closet	Undisclosed amount of VOCs
Mistolin, Mistolin Caribe Inc.	(2) 15-fl oz bottles	Cellar of Supermarket	Undisclosed amount of VOCs
Xtra Dishwashing Soap	(1) 24-fl oz bottle	Cellar of Supermarket	Undisclosed amount of VOCs

Notes:

g/L - grams per Liter

VOCs - volatile organic compounds

TABLE III

PRESSURE FIELD EXTENSION TEST READINGS

340 MYRTLE AVENUE

BROOKLYN, NEW YORK

FILE NO. 0210873

Monitoring Point	Date	Vacuum (IWC)
Riser	3/24/2026	0.044
	4/8/2026	3.49
MP-1	3/24/2026	-
	4/8/2026	0.032
MP-2	3/24/2026	-
	4/8/2026	0.034
MP-3	3/24/2026	-0.005
	4/8/2026	0.018
MP-4	3/24/2026	-
	4/8/2026	0.022

Notes:

IWC - inches of water column

"-" indicates no vacuum observed

Negative value indicates pressure

Monitoring points were reinstalled on April 8, 2026

TABLE IV
SSDS RISER VOC EMISSION RATES
340 MYRTLE AVENUE
BROOKLY, NEW YORK
FILE NO. 0210873

Sample Date	Sample Location	High Toxicity Air Contaminant (HTAC)	Concentration (µg/m^3)	Flow Rate (cfm)	Emission Rate (lb/year)	Allowable Emission Rate (lb/year)
3/10/2026	SSDS Riser	Benzene	0.898	500	0.015	100
		Tetrachloroethene	54.5		0.894	1,000

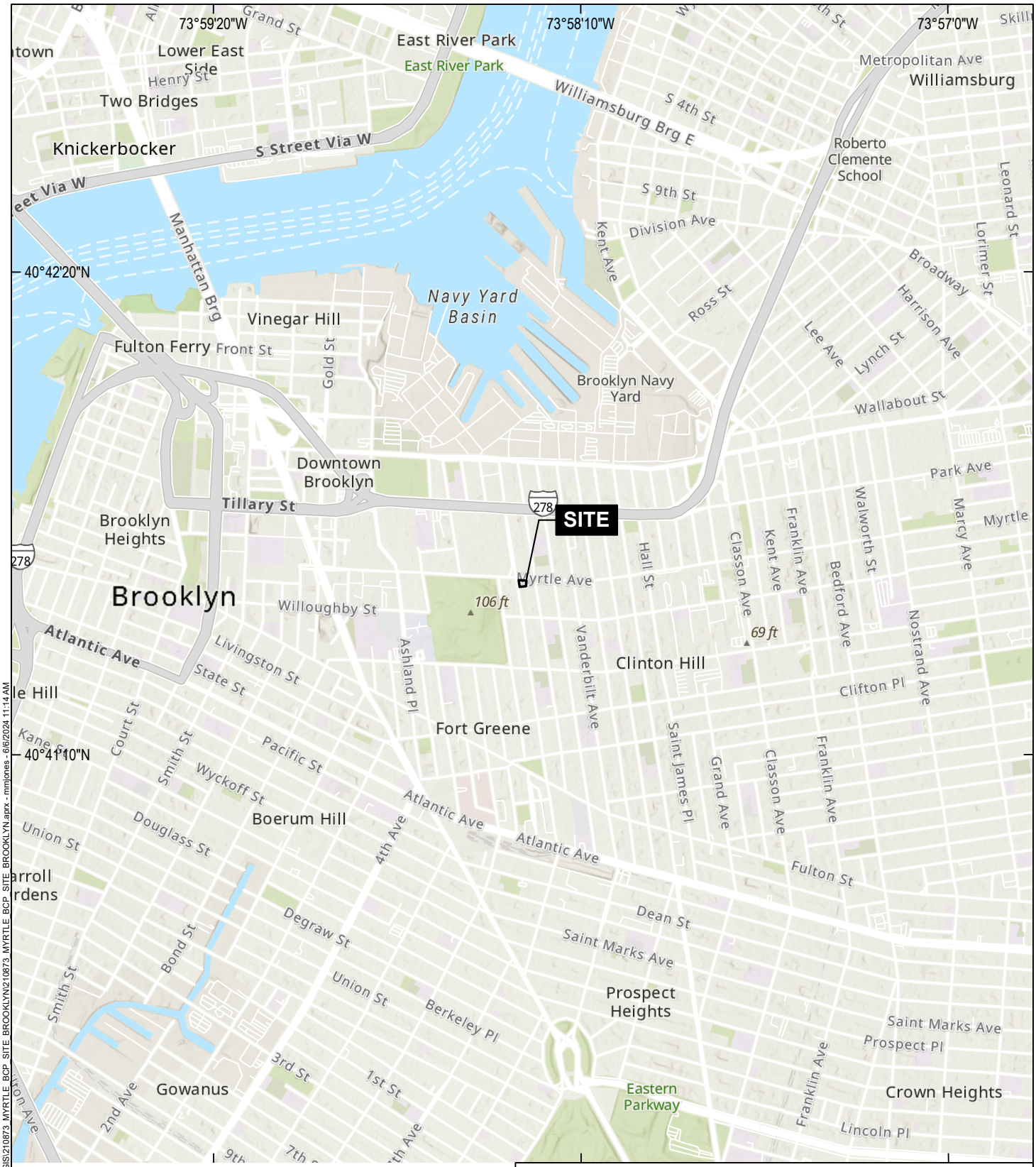
Sample Date	Sample Location	Non-HTACs	Concentration (µg/m^3)	Flow Rate (cfm)	Emission Rate (lb/hour)	Allowable Emission Rate (lb/hour)
3/10/2026	SSDS Riser	1,2,4-Trimethylbenzene	5.7	500	-	-
		1,3,5-Trimethylbenzene	2.54			
		2-Butanone	27.3			
		Acetone	94.8			
		Chloroform	1.37			
		Chloromethane	0.809			
		Dichlorodifluoromethane	2.1			
		Ethanol	56			
		Ethylbenzene	0.947			
		Hexane	2.02			
		Isopropyl Alcohol	14.2			
		m,p-Xylenes	4.27			
		Methylene chloride	4.59			
		N-Heptane	1.59			
		o-Xylene	1.55			
		Tetrahydrofuran	17.7			
		Toluene	19.9			
		trans-1,2-Dichloroethene	29.5			
		Trichlorofluoromethane	1.2			
		Total Non-HTAC VOCs	**288.09**		0.0005	0.5

Definitions

µg/m^3 - micrograms per cubic meter
cfm - cubic feet per minute
lb - pound
U - non-detect
VOC - volatile organic compound

1. Only contaminants with detectable concentrations are shown
2. Allowable Emission Rates are from the New York Codes, Rules and Regulations Part 212-2.1 Table 2 dated February 15, 2022
3. If Allowable Emission Rates are exceeded, then treatment of the emission is required.

FIGURES



MAP SOURCE: ESRI
SITE COORDINATES: 40°41'35"N, 73°58'21"W

HALEY ALDRICH

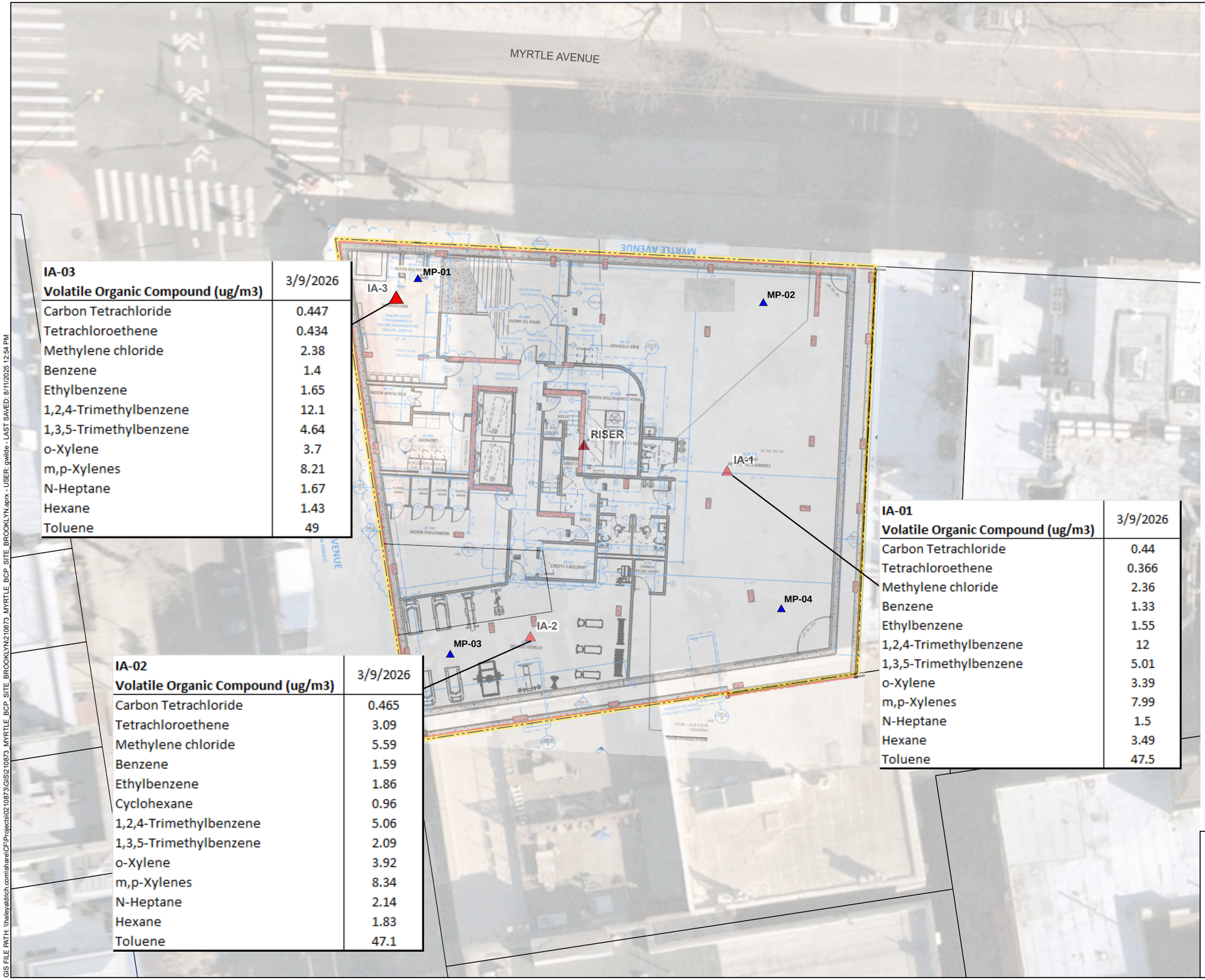
340 MYRTLE AVENUE
BROOKLYN, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
JUNE 2024

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\02\10873\GIS\210873_MYRTLE_BCP_SITE_BROOKLYN\210873_MYRTLE_BCP_SITE_BROOKLYN.aprx - mmiones - 6/6/2024 11:14 AM



IA-03 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.447
Tetrachloroethene	0.434
Methylene chloride	2.38
Benzene	1.4
Ethylbenzene	1.65
1,2,4-Trimethylbenzene	12.1
1,3,5-Trimethylbenzene	4.64
o-Xylene	3.7
m,p-Xylenes	8.21
N-Heptane	1.67
Hexane	1.43
Toluene	49

IA-01 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.44
Tetrachloroethene	0.366
Methylene chloride	2.36
Benzene	1.33
Ethylbenzene	1.55
1,2,4-Trimethylbenzene	12
1,3,5-Trimethylbenzene	5.01
o-Xylene	3.39
m,p-Xylenes	7.99
N-Heptane	1.5
Hexane	3.49
Toluene	47.5

IA-02 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.465
Tetrachloroethene	3.09
Methylene chloride	5.59
Benzene	1.59
Ethylbenzene	1.86
Cyclohexane	0.96
1,2,4-Trimethylbenzene	5.06
1,3,5-Trimethylbenzene	2.09
o-Xylene	3.92
m,p-Xylenes	8.34
N-Heptane	2.14
Hexane	1.83
Toluene	47.1

LEGEND

- AMBIENT AIR SAMPLE LOCATION
- CELLAR INDOOR AIR SAMPLE LOCATION
- SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) RISER SAMPLE PORT
- SITE BOUNDARY
- PARCEL BOUNDARY
- SUB-SLAB MONITORING POINT

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. INDOOR AIR SAMPLES IA-1, IA-2, AND IA-3 LOCATED ON THE CELLAR LEVEL; IA-4 AND IA-5 LOCATED ON THE FIRST FLOOR.
3. PARCEL DATA SOURCE: KINGS COUNTY
4. AERIAL IMAGERY SOURCE: NEARMAP, MARCH 8, 2024
5. RESULTS ARE SHOWN IN MICROGRAMS PER CUBIC METER (ug/m3)
6. RESULTS DEPICTED ONLY INCLUDE DETECTED COMPOUNDS FROM THE NEW YORK STATE DEPARTMENT OF HEALTH SOIL VAPOR/INDOOR AIR MATRICES.
7. CELLAR PLAN SHOWN IS FROM THE ARCHITECTURAL SET DATED AUGUST 14, 2025 PREPARED BY S. WIEDER ARCHITECT PC.

N

0 20 40
SCALE IN FEET

HALEY ALDRICH

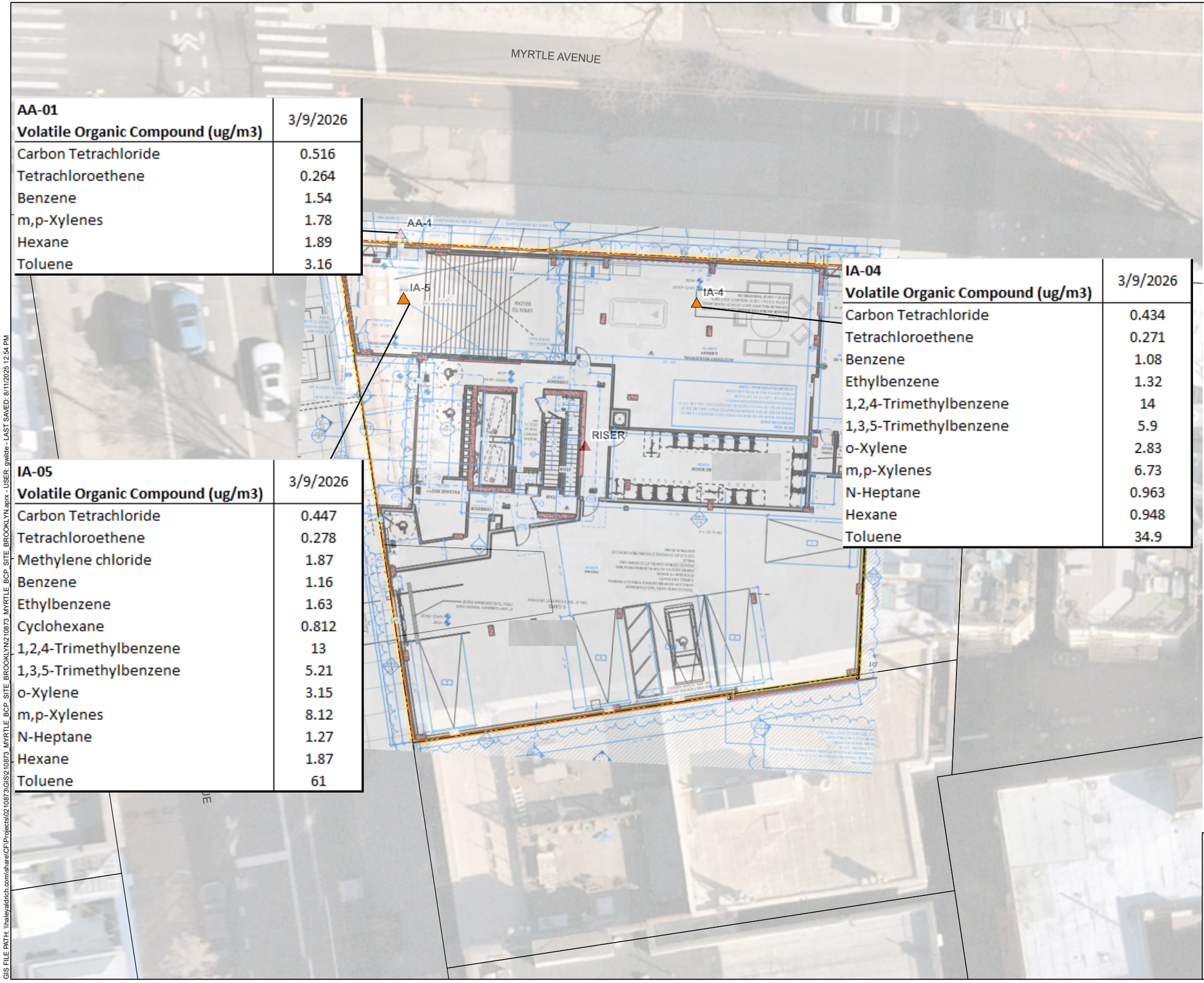
340 MYRTLE AVENUE
BROOKLYN, NEW YORK

INDOOR AIR SAMPLE LOCATIONS - CELLAR

APRIL 2026

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0210873\GIS\210873_MYRTLE_BCP_SITE_BROOKLYN.aprx - USER: gwilde - LAST SAVED: 8/11/2025 12:54 PM



AA-01 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.516
Tetrachloroethene	0.264
Benzene	1.54
m,p-Xylenes	1.78
Hexane	1.89
Toluene	3.16

IA-04 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.434
Tetrachloroethene	0.271
Benzene	1.08
Ethylbenzene	1.32
1,2,4-Trimethylbenzene	14
1,3,5-Trimethylbenzene	5.9
o-Xylene	2.83
m,p-Xylenes	6.73
N-Heptane	0.963
Hexane	0.948
Toluene	34.9

IA-05 Volatile Organic Compound (ug/m3)	3/9/2026
Carbon Tetrachloride	0.447
Tetrachloroethene	0.278
Methylene chloride	1.87
Benzene	1.16
Ethylbenzene	1.63
Cyclohexane	0.812
1,2,4-Trimethylbenzene	13
1,3,5-Trimethylbenzene	5.21
o-Xylene	3.15
m,p-Xylenes	8.12
N-Heptane	1.27
Hexane	1.87
Toluene	61

LEGEND

- AMBIENT AIR SAMPLE LOCATION
- FIRST FLOOR INDOOR AIR SAMPLE LOCATION
- SUB-SLAB DEPRESSURIZATION SYSTEM (SSDS) RISER SAMPLE PORT
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. INDOOR AIR SAMPLES IA-1, IA-2, AND IA-3 LOCATED ON THE CELLAR LEVEL; IA-4 AND IA-5 LOCATED ON THE FIRST FLOOR.
3. PARCEL DATA SOURCE: KINGS COUNTY
4. AERIAL IMAGERY SOURCE: NEARMAP, MARCH 8, 2024
5. RESULTS ARE SHOWN IN MICROGRAMS PER CUBIC METER (ug/m3)
6. RESULTS DEPICTED ONLY INCLUDE DETECTED COMPOUNDS FROM THE NEW YORK STATE DEPARTMENT OF HEALTH SOIL VAPOR/INDOOR AIR MATRICES.
7. FIRST FLOOR PLAN SHOWN IS FROM THE ARCHITECTURAL SET DATED AUGUST 14, 2025 PREPARED BY S. WIEDER ARCHITECT PC.

N

0 20 40
SCALE IN FEET

HALEY ALDRICH

340 MYRTLE AVENUE
BROOKLYN, NEW YORK

INDOOR AIR SAMPLE LOCATIONS - FIRST FLOOR

APRIL 2026

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CFLProjects\0210873\GIS\210873_MYRTLE_BCP_SITE_BROOKLYN\210873_MYRTLE_BCP_SITE_BROOKLYN.aprx - USER: gwilde - LAST SAVED: 8/11/2025 12:54 PM

ATTACHMENT 1
Laboratory Analytical Report

Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2612752

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

Table of Contents

New York ASP Category B Data Deliverable Package 1
- Table of Contents 2
- Sample ID Cross Reference 5
- SDG Narrative 6
- Data Qualifier Definitions 8
- Instrument Information 11
- Sample Log-in Sheet 14
- Lims COC (LN01) 15
- External Chain of Custody 17
- Supporting Documentation 18
  - Air Canister Report 19
  - Air Canister Certification Results 21
- Organics Analysis 85
  - Volatile Organics in Air TO-15 Low Level 86
    - Volatiles QC Summary 87
      - Form 3 - Organics 88
      - Form 4 - Organics 91
      - Form 5 - Organics 92
      - Form 8 - Organics 94
      - MDL Study - Volatile Organics in Air: TO-15 95
    - Volatiles Sample Data 98
      - Form 1 - Organics 99
      - AA-01_20260309 (L2612752-07) Analyzed: 03/11/26 20:01 123
      - IA-01_20260309 (L2612752-02) Analyzed: 03/11/26 21:07 158
      - IA-02_20260309 (L2612752-03) Analyzed: 03/11/26 21:39 192
      - IA-03_20260309 (L2612752-04) Analyzed: 03/11/26 22:10 228
      - IA-04_20260309 (L2612752-05) Analyzed: 03/11/26 22:42 264
      - IA-05_20260309 (L2612752-06) Analyzed: 03/11/26 23:14 298
      - RISER_20260310 (L2612752-01) Analyzed: 03/12/26 02:57 333
    - Volatile Standards Data 369
      - Initial Calibration 370
        - Form 6 - Organics 371
        - ICAL for AIRLAB26 on 01/08/26 ICAL22939 375
        - Initial Calibration Summary - Cal Date: 01/08/26 00:00 375
        - BFB Tune Std Injected on: 01/07/26 20:31 379
        - STD0.2 Injected on: 01/07/26 22:38 380
        - STD0.5 Injected on: 01/07/26 23:13 392
        - STD1.0 Injected on: 01/07/26 23:50 400
        - STD5.0 Injected on: 01/08/26 00:23 408
        - STD010 Injected on: 01/08/26 00:59 416
        - STD020 Injected on: 01/08/26 01:32 423
        - STD050 Injected on: 01/08/26 02:05 430
        - STD100 Injected on: 01/08/26 02:40 437
        - ICV Summary Form Injected on: 01/08/26 11:09 448
        - ICV Quant Report Injected on: 01/08/26 11:09 451
      - Continuing Calibration 458
        - Form 7 - Organics 459
        - CC Summary - AIRLAB26 Run: 03/11/26 12:00 462
        - CC Quant - WG2184098-2 AIRLAB26 Run: 03/11/26 12:00 465
        - bfb tune - Inst. AIRLAB26 03/11/26 10:23 470

Table of Contents

Volatiles Raw QC Data 471
Laboratory Method Bl (WG2184098-4) Analyzed: 03/11/26 14:26 472
LCS Summary for WG2184098-3 481
Laboratory Control S (WG2184098-3) Analyzed: 03/11/26 12:00 484
Duplicate Sample (WG2184098-5) Analyzed: 03/12/26 01:21 553
Air Calculations 586
QC Batch WG2184098 588
ICAL Sequence for AIRLAB26 on 08-JAN-2026 00:00 ICAL22939 589
Instrument AIRLAB26 Run Date 03/11/26 Run ID R2076229 590
GCMS SIM Air Analysis 592
Volatiles QC Summary 593
Form 3 - Organics 594
Form 4 - Organics 595
Form 5 - Organics 596
Form 8 - Organics 598
MDL Study - Volatile Organics in Air: TO-15 SIM 599
Volatiles Sample Data 601
Form 1 - Organics 602
AA-01_20260309 (L2612752-07) Analyzed: 03/11/26 20:01 609
IA-01_20260309 (L2612752-02) Analyzed: 03/11/26 21:07 614
IA-02_20260309 (L2612752-03) Analyzed: 03/11/26 21:39 619
IA-03_20260309 (L2612752-04) Analyzed: 03/11/26 22:10 625
IA-04_20260309 (L2612752-05) Analyzed: 03/11/26 22:42 630
IA-05_20260309 (L2612752-06) Analyzed: 03/11/26 23:14 635
Volatile Standards Data 640
Initial Calibration 641
Form 6 - Organics 642
ICAL for AIRLAB26 on 01/08/26 ICAL22940 645
Initial Calibration Summary - Cal Date: 01/08/26 00:00 645
BFB Tune Injected on: 01/07/26 20:31 651
STD0.02 Injected on: 01/07/26 21:01 652
STD0.05 Injected on: 01/07/26 21:31 701
STD0.1 Injected on: 01/07/26 22:04 742
STD0.2 Injected on: 01/07/26 22:38 778
STD0.5 Injected on: 01/07/26 23:13 803
STD1.0 Injected on: 01/07/26 23:50 822
STD5.0 Injected on: 01/08/26 00:23 837
STD010 Injected on: 01/08/26 00:59 874
STD020 Injected on: 01/08/26 01:32 887
STD050 Injected on: 01/08/26 02:05 901
ICV Summary Injected on: 01/08/26 11:44 914
ICV Quant Injected on: 01/08/26 11:44 917
Continuing Calibration 932
Form 7 - Organics 933
CC Summary - AIRLAB26 Run: 03/11/26 12:35 935
CC Quant - WG2184097-2 AIRLAB26 Run: 03/11/26 12:35 938
bfb tune - Inst. AIRLAB26 03/11/26 10:23 956
Volatiles Raw QC Data 957
Laboratory Method Bl (WG2184097-4) Analyzed: 03/11/26 15:01 958
LCS Summary for WG2184097-3 961

Table of Contents

Laboratory Control S (WG2184097-3) Analyzed: 03/11/26 12:35 964
Duplicate Sample (WG2184097-5) Analyzed: 03/12/26 01:21 974
Air Calculations 979
QC Batch WG2184097 981
ICAL Sequence for AIRLAB26 on 08-JAN-2026 00:00 ICAL22940 982
Instrument AIRLAB26 Run Date 03/11/26 Run ID R2076251 983

Project Name: 340 MYRTLE AVE
Project Number: 0210873-001-001-04

Lab Number: L2612752
Report Date: 03/12/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2612752-01	RISER_20260310	SOIL_VAPOR	BROOKLYN, NY	03/10/26 08:30	03/10/26
L2612752-02	IA-01_20260309	AIR	BROOKLYN, NY	03/09/26 10:15	03/10/26
L2612752-03	IA-02_20260309	AIR	BROOKLYN, NY	03/09/26 13:50	03/10/26
L2612752-04	IA-03_20260309	AIR	BROOKLYN, NY	03/09/26 14:00	03/10/26
L2612752-05	IA-04_20260309	AIR	BROOKLYN, NY	03/09/26 09:30	03/10/26
L2612752-06	IA-05_20260309	AIR	BROOKLYN, NY	03/09/26 09:35	03/10/26
L2612752-07	AA-01_20260309	AIR	BROOKLYN, NY	03/09/26 09:40	03/10/26
L2612752-08	UNUSED CAN #2064	AIR	BROOKLYN, NY		03/10/26
L2612752-09	UNUSED CAN #3961	AIR	BROOKLYN, NY		03/10/26

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 February 5, 2026. The canister certification data is provided as an addendum.

L2612752-01: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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: Christopher J Anderson Report Date: 03/12/26

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.

Report Format: Data Usability Report

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 : L2612752

Account Name : Haley & Aldrich
Project Number : 0210873-001-001-04
Project Name : 340 MYRTLE AVE

Received : 10-MAR-2026
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? **NO**
Following samples were not received:

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? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NO**
Following equipment was not returned with the samples:

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NA**

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2026, 05:05 pm

Login Number: L2612752
Account: HALEY-NYC Haley & AldrichProject: 0210873-001-001-04
Received: 10MAR26 Due Date: 12MAR26

Sample #	Client ID	Mat	PR	Collected
L2612752-01	RISER_20260310	11	1B	10MAR26 08:30
	TO15 SIM for 7 NYS DMCs ASP-B Package Due Date: 03/12/26			
	ASP-B,TEDLAR-POLY5,TO15-LL			
L2612752-02	IA-01_20260309	10	1B	09MAR26 10:15
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			
	CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM			
L2612752-03	IA-02_20260309	10	1B	09MAR26 13:50
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			
	CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM			
L2612752-04	IA-03_20260309	10	1B	09MAR26 14:00
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			
	CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM			
L2612752-05	IA-04_20260309	10	1B	09MAR26 09:30
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			
	CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM			
L2612752-06	IA-05_20260309	10	1B	09MAR26 09:35
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			
	CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM			
L2612752-07	AA-01_20260309	10	1B	09MAR26 09:40
	TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26			

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 12 2026, 05:05 pm

Login Number: L2612752
Account: HALEY-NYC Haley & AldrichProject: 0210873-001-001-04
Received: 10MAR26 Due Date: 12MAR26

Sample #	Client ID	Mat	PR	Collected
CAN-CERT-SIM,CAN-RENT,FLOW-RENT,TO15-LL,TO15-SIM				
L2612752-08	UNUSED CAN #2064		10	1B
TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26				
CAN-CERT-SIM,CAN-RENT,CLEAN-FEE,FLOW-RENT				
L2612752-09	UNUSED CAN #3961		10	1B
TO15 SIM for 7 NYS DMCs Package Due Date: 03/12/26				
CAN-CERT-SIM,CAN-RENT,CLEAN-FEE,FLOW-RENT				

Logged By: Holly Carroll

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/10/26

Pace® Job #: L2612752

Client Information

Client: Haley & Aldrich of New York
Address: 213 W 35th St, FL 7
New York, NY 10001
Phone: MLevy@haleyaldrich.com
Fax: NMooney@haleyaldrich.com
Email: JBellew@haleyaldrich.com
☐ These samples have been previously analyzed by Pace

Project Information

Project Name: 340 Myrtle Ave
Project Location: Brooklyn, NY
Project #: 0210873-001-001-04
Project Manager: M. Levy
Pace® Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
48 Hour TAT
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 #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Canister ID: 2064 and 3961
Flow Controller ID: 02689 and 0327 } not used

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)
12752-01	RISER_20260310	03/10/26	8:30	—	—	—	SV	TOR	—	—	—	X					1-L Tedlar Bag
-02	IA-01_20260309	03/09/26	10:15	10:15	-28.89	-7.45	AA		6-L	2963	01642	X					
-03	IA-02_20260309		11:05	13:50	-30.40	-9.88				1902	03195	X					
-04	IA-03_20260309		10:20	14:00	-30.14	-9.92				4264	02423	X					
-05	IA-04_20260309		9:30	9:30	-29.76	-10.49				3091	02622	X					
-06	IA-05_20260309		9:35	9:35	-29.85	-8.91				627	02247	X					
-07	AA-01_20260309	↓	10:05	9:40	-30.56	-9	↓	↓	↓	3566	01118	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:
Talia Ritania	03/10/26 14:02	Paul Mazzella	3/10/26 14:10
Paul Mazzella	3-10-26 1620		3/10/26 1650
	3/10/26		3/10/26 2100
	3/10/26 2345		3/10/26 2345

Form No: 101-02 Rev: (25-Sep-15)

Supporting Documentation

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
L2612752-02	IA-01_20260309	01642	Flow 5	03/05/26	557616		-	-	-	Pass	3.0	3.0	0
L2612752-02	IA-01_20260309	2963	6.0L Can	03/05/26	557616	L2608325-08	Pass	-29.1	-7.3	-	-	-	-
L2612752-03	IA-02_20260309	03195	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	2.8	7
L2612752-03	IA-02_20260309	1902	6.0L Can	03/05/26	557616	L2610105-01	Pass	-30.3	-9.4	-	-	-	-
L2612752-04	IA-03_20260309	02123	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	2.7	11
L2612752-04	IA-03_20260309	4264	6.0L Can	03/05/26	557616	L2610105-02	Pass	-30.1	-9.0	-	-	-	-
L2612752-05	IA-04_20260309	02622	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	3.2	6
L2612752-05	IA-04_20260309	3091	6.0L Can	03/05/26	557616	L2608267-01	Pass	-30.3	-10.0	-	-	-	-
L2612752-06	IA-05_20260309	02247	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	3.0	0
L2612752-06	IA-05_20260309	627	6.0L Can	03/05/26	557616	L2609407-02	Pass	-29.1	-8.2	-	-	-	-
L2612752-07	AA-01_20260309	01118	Flow 5	03/05/26	557616		-	-	-	Pass	3.0	3.1	3
L2612752-07	AA-01_20260309	3566	6.0L Can	03/05/26	557616	L2608096-01	Pass	-29.7	-6.7	-	-	-	-
L2612752-08	UNUSED CAN #2064	02689	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	2.0	40
L2612752-08	UNUSED CAN #2064	2064	6.0L Can	03/05/26	557616	L2608325-03	Pass	-30.3	-29.3	-	-	-	-
L2612752-09	UNUSED CAN #3961	0327	Flow 4	03/05/26	557616		-	-	-	Pass	3.0	3.0	0

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
L2612752-09	UNUSED CAN #3961	3951	6.0L Can	03/05/26	557616	L2610105-07	Pass	-29.1	-28.2	-	-	-	-

Air Canister Certification Results

Lab ID: L2608096-01
Client ID: CAN 3566 SHELF 122
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/14/26 00:05
Analyst: KJD

Date Collected: 02/12/26 16:00
Date Received: 02/13/26
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: L2608096-01
Client ID: CAN 3566 SHELF 122
Sample Location:

Date Collected: 02/12/26 16:00
Date Received: 02/13/26
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: L2608096-01
Client ID: CAN 3566 SHELF 122
Sample Location:

Date Collected: 02/12/26 16:00
Date Received: 02/13/26
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: L2608096-01 Date Collected: 02/12/26 16:00
Client ID: CAN 3566 SHELF 122 Date Received: 02/13/26
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					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2608096
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2608096-01	Date Collected:	02/12/26 16:00
Client ID:	CAN 3566 SHELF 122	Date Received:	02/13/26
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	95		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2608096-01
Client ID: CAN 3566 SHELF 122
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/14/26 00:05
Analyst: KJD

Date Collected: 02/12/26 16:00
Date Received: 02/13/26
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: L2608096-01 Date Collected: 02/12/26 16:00
Client ID: CAN 3566 SHELF 122 Date Received: 02/13/26
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: L2608096-01 Date Collected: 02/12/26 16:00
Client ID: CAN 3566 SHELF 122 Date Received: 02/13/26
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								
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	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Air Canister Certification Results

Lab ID: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/26 06:20
Analyst: KJD

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2608267
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2608267-01	Date Collected:	02/13/26 14:00
Client ID:	CAN 3091 SHELF 87	Date Received:	02/13/26
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	103		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	103		60-140

Air Canister Certification Results

Lab ID: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/26 06:20
Analyst: KJD

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
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: L2608267-01
Client ID: CAN 3091 SHELF 87
Sample Location:

Date Collected: 02/13/26 14:00
Date Received: 02/13/26
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**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	111		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	109		60-140

Air Canister Certification Results

Lab ID: L2608325-03
Client ID: CAN 2064 SHELF 116
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/26 01:05
Analyst: KJD

Date Collected: 02/13/26 17:00
Date Received: 02/14/26
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Air Canister Certification Results

Lab ID: L2608325-03
Client ID: CAN 2064 SHELF 116
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/26 01:05
Analyst: KJD

Date Collected: 02/13/26 17:00
Date Received: 02/14/26
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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: L2608325-03 Date Collected: 02/13/26 17:00
Client ID: CAN 2064 SHELF 116 Date Received: 02/14/26
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	103		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	104		60-140

Air Canister Certification Results

Lab ID: L2608325-08
Client ID: CAN 2963 SHELF 84
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/15/26 04:22
Analyst: KJD

Date Collected: 02/14/26 10:22
Date Received: 02/14/26
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: L2608325-08
Client ID: CAN 2963 SHELF 84
Sample Location:

Date Collected: 02/14/26 10:22
Date Received: 02/14/26
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: L2608325-08 Date Collected: 02/14/26 10:22
Client ID: CAN 2963 SHELF 84 Date Received: 02/14/26
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: L2608325-08 Date Collected: 02/14/26 10:22
Client ID: CAN 2963 SHELF 84 Date Received: 02/14/26
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					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2608325
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2608325-08	Date Collected:	02/14/26 10:22
Client ID:	CAN 2963 SHELF 84	Date Received:	02/14/26
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	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Air Canister Certification Results

Lab ID: L2608325-08
Client ID: CAN 2963 SHELF 84
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/15/26 04:22
Analyst: KJD

Date Collected: 02/14/26 10:22
Date Received: 02/14/26
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: L2608325-08 Date Collected: 02/14/26 10:22
Client ID: CAN 2963 SHELF 84 Date Received: 02/14/26
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: L2608325-08
Client ID: CAN 2963 SHELF 84
Sample Location:

Date Collected: 02/14/26 10:22
Date Received: 02/14/26
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**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	104		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	104		60-140

Air Canister Certification Results

Lab ID: L2609407-02
Client ID: CAN 627 SHELF 108
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/21/26 00:28
Analyst: KMH

Date Collected: 02/19/26 18:00
Date Received: 02/20/26
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: L2609407-02
Client ID: CAN 627 SHELF 108
Sample Location:

Date Collected: 02/19/26 18:00
Date Received: 02/20/26
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: L2609407-02
Client ID: CAN 627 SHELF 108
Sample Location:

Date Collected: 02/19/26 18:00
Date Received: 02/20/26
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: L2609407-02
Client ID: CAN 627 SHELF 108
Sample Location:

Date Collected: 02/19/26 18:00
Date Received: 02/20/26
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					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2609407
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2609407-02	Date Collected:	02/19/26 18:00
Client ID:	CAN 627 SHELF 108	Date Received:	02/20/26
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	102		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	100		60-140

Air Canister Certification Results

Lab ID: L2609407-02
Client ID: CAN 627 SHELF 108
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/21/26 00:28
Analyst: KMH

Date Collected: 02/19/26 18:00
Date Received: 02/20/26
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: L2609407-02 Date Collected: 02/19/26 18:00
Client ID: CAN 627 SHELF 108 Date Received: 02/20/26
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: L2609407-02 Date Collected: 02/19/26 18:00
Client ID: CAN 627 SHELF 108 Date Received: 02/20/26
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	110		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	114		60-140

Air Canister Certification Results

Lab ID: L2610105-01
Client ID: CAN 1902 SHELF 104
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/26/26 17:37
Analyst: KMH

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-01
Client ID: CAN 1902 SHELF 104
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-01 Date Collected: 02/25/26 16:59
Client ID: CAN 1902 SHELF 104 Date Received: 02/26/26
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: L2610105-01
Client ID: CAN 1902 SHELF 104
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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					

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2610105
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2610105-01	Date Collected:	02/25/26 16:59
Client ID:	CAN 1902 SHELF 104	Date Received:	02/26/26
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	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Air Canister Certification Results

Lab ID: L2610105-01
Client ID: CAN 1902 SHELF 104
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/26/26 17:37
Analyst: KMH

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-01 Date Collected: 02/25/26 16:59
Client ID: CAN 1902 SHELF 104 Date Received: 02/26/26
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: L2610105-01 Date Collected: 02/25/26 16:59
Client ID: CAN 1902 SHELF 104 Date Received: 02/26/26
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	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name:	BATCH CANISTER CERTIFICATION	***Lab Number:***	L2610105
Project Number:	CANISTER QC BAT	***Report Date:***	03/12/26

Air Canister Certification Results

Lab ID:	L2610105-02	Date Collected:	02/25/26 16:59
Client ID:	CAN 4264 SHELF 105	Date Received:	02/26/26
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	02/26/26 18:17		
Analyst:	KMH		

	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: L2610105-02
Client ID: CAN 4264 SHELF 105
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-02
Client ID: CAN 4264 SHELF 105
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-02
Client ID: CAN 4264 SHELF 105
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-02 Date Collected: 02/25/26 16:59
Client ID: CAN 4264 SHELF 105 Date Received: 02/26/26
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	84		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140

Air Canister Certification Results

Lab ID: L2610105-02
Client ID: CAN 4264 SHELF 105
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/26/26 18:17
Analyst: KMH

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-02
Client ID: CAN 4264 SHELF 105
Sample Location:

Date Collected: 02/25/26 16:59
Date Received: 02/26/26
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: L2610105-02 Date Collected: 02/25/26 16:59
Client ID: CAN 4264 SHELF 105 Date Received: 02/26/26
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	89		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Air Canister Certification Results

Lab ID: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/26/26 21:34
Analyst: KMH

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07 Date Collected: 02/26/26 10:48
Client ID: CAN 3951 SHELF 111 Date Received: 02/26/26
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	80		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	82		60-140

Air Canister Certification Results

Lab ID: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/26/26 21:34
Analyst: KMH

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07
Client ID: CAN 3951 SHELF 111
Sample Location:

Date Collected: 02/26/26 10:48
Date Received: 02/26/26
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: L2610105-07 Date Collected: 02/26/26 10:48
Client ID: CAN 3951 SHELF 111 Date Received: 02/26/26
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	86		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	86		60-140

Organics

Volatile Organics in Air
TO-15 Low Level

Volatiles QC Summary

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2184098-3	**Analysis Date** : 03/11/26 12:00	**File ID** : R268997
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	10.3	103				-	70-130	-
Chloromethane	10	8.73	87				-	70-130	-
Freon-114	10	10.0	100				-	70-130	-
Vinyl chloride	10	9.92	99				-	70-130	-
1,3-Butadiene	10	10.2	102				-	70-130	-
Bromomethane	10	12.0	120				-	70-130	-
Chloroethane	10	11.0	110				-	70-130	-
Ethanol	50	48.1	96				-	40-160	-
Vinyl bromide	10	11.2	112				-	70-130	-
Acetone	50	59.0	118				-	40-160	-
Trichlorofluoromethane	10	11.3	113				-	70-130	-
Isopropanol	25	25.7	103				-	40-160	-
1,1-Dichloroethene	10	10.5	105				-	70-130	-
Tertiary butyl Alcohol	10	8.90	89				-	70-130	-
Methylene chloride	10	10.4	104				-	70-130	-
3-Chloropropene	10	9.78	98				-	70-130	-
Carbon disulfide	10	11.4	114				-	70-130	-
Freon-113	10	10.7	107				-	70-130	-
trans-1,2-Dichloroethene	10	10.2	102				-	70-130	-
1,1-Dichloroethane	10	9.84	98				-	70-130	-
Methyl tert butyl ether	10	9.67	97				-	70-130	-
2-Butanone	10	7.77	78				-	70-130	-
cis-1,2-Dichloroethene	10	8.70	87				-	70-130	-
Ethyl Acetate	10	8.12	81				-	70-130	-
Chloroform	10	9.48	95				-	70-130	-
Tetrahydrofuran	10	10.0	100				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2184098-3	**Analysis Date** : 03/11/26 12:00	**File ID** : R268997
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	9.12	91				-	70-130	-
n-Hexane	10	8.67	87				-	70-130	-
1,1,1-Trichloroethane	10	9.08	91				-	70-130	-
Benzene	10	9.19	92				-	70-130	-
Carbon tetrachloride	10	9.96	100				-	70-130	-
Cyclohexane	10	9.11	91				-	70-130	-
1,2-Dichloropropane	10	9.14	91				-	70-130	-
Bromodichloromethane	10	10.2	102				-	70-130	-
1,4-Dioxane	10	9.45	94				-	70-130	-
Trichloroethene	10	9.02	90				-	70-130	-
2,2,4-Trimethylpentane	10	9.44	94				-	70-130	-
Heptane	10	8.93	89				-	70-130	-
cis-1,3-Dichloropropene	10	10.7	107				-	70-130	-
4-Methyl-2-pentanone	10	9.01	90				-	70-130	-
trans-1,3-Dichloropropene	10	10.3	103				-	70-130	-
1,1,2-Trichloroethane	10	9.37	94				-	70-130	-
Toluene	10	9.66	97				-	70-130	-
2-Hexanone	10	9.50	95				-	70-130	-
Dibromochloromethane	10	11.1	111				-	70-130	-
1,2-Dibromoethane	10	10.4	104				-	70-130	-
Tetrachloroethene	10	10.1	101				-	70-130	-
Chlorobenzene	10	9.62	96				-	70-130	-
Ethylbenzene	10	9.42	94				-	70-130	-
p/m-Xylene	20	19.6	98				-	70-130	-
Bromoform	10	11.9	119				-	70-130	-
Styrene	10	9.73	97				-	70-130	-

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2184098-3	**Analysis Date** : 03/11/26 12:00	**File ID** : R268997
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	9.76	98				-	70-130	-
o-Xylene	10	9.40	94				-	70-130	-
4-Ethyltoluene	10	10.7	107				-	70-130	-
1,3,5-Trimethylbenzene	10	10.0	100				-	70-130	-
1,2,4-Trimethylbenzene	10	10.4	104				-	70-130	-
Benzyl chloride	10	7.89	79				-	70-130	-
1,3-Dichlorobenzene	10	9.85	98				-	70-130	-
1,4-Dichlorobenzene	10	9.83	98				-	70-130	-
1,2-Dichlorobenzene	10	9.85	98				-	70-130	-
1,2,4-Trichlorobenzene	10	8.91	89				-	70-130	-
Naphthalene	10	7.64	76				-	70-130	-
Hexachlorobutadiene	10	9.98	100				-	70-130	-

Method Blank Summary
Form 4
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Lab Sample ID	: WG2184098-4	**Lab File ID**	: R268999
Instrument ID	: AIRLAB26		
Matrix	: AIR	**Analysis Date**	: 03/11/26 14:26

Client Sample No.	Lab Sample ID	Analysis Date
WG2184098-3LCS	WG2184098-3	03/11/26 12:00
AA-01_20260309	L2612752-07	03/11/26 20:01
IA-01_20260309	L2612752-02	03/11/26 21:07
IA-02_20260309	L2612752-03	03/11/26 21:39
IA-03_20260309	L2612752-04	03/11/26 22:10
IA-04_20260309	L2612752-05	03/11/26 22:42
IA-05_20260309	L2612752-06	03/11/26 23:14
HA-IA-13_20260309DUP	WG2184098-5	03/12/26 01:21
RISER_20260310	L2612752-01	03/12/26 02:57

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

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 01/07/26 20:31
Tune Standard	: WG2163114-1	**Tune File ID**	: R267623_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	41.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	80.9
175	4.0 - 9.0% of mass 174	6.1 (7.5)1
176	93.0 - 101% of mass 174	77 (95.3)1
177	5.0 - 9.0% of mass 176	5 (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	R2056548-1	R267627	01/07/26 22:38
STD0.5	R2056548-2	R267628	01/07/26 23:13
STD1.0	R2056548-3	R267629	01/07/26 23:50
STD5.0	R2056548-4	R267630	01/08/26 00:23
STD010	R2056548-5	R267631	01/08/26 00:59
STD020	R2056548-6	R267632	01/08/26 01:32
STD050	R2056548-7	R267633	01/08/26 02:05
STD100	R2056548-8	R267634	01/08/26 02:40
ICV Quant Report	R2056548-9	R267637	01/08/26 11:09

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

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 03/11/26 10:23
Tune Standard	: WG2184098-1	**Tune File ID**	: R268995_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	43.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (.3)1
174	50.0 - 120.0% of mass 95	85.6
175	4.0 - 9.0% of mass 174	6 (7)1
176	93.0 - 101% of mass 174	82.2 (96)1
177	5.0 - 9.0% of mass 176	5.2 (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
WG2184098-2CCAL	WG2184098-2	R268997	03/11/26 12:00
WG2184098-3LCS	WG2184098-3	R268997	03/11/26 12:00
WG2184098-4BLANK	WG2184098-4	R268999	03/11/26 14:26
AA-01_20260309	L2612752-07	R269001	03/11/26 20:01
IA-01_20260309	L2612752-02	R269003	03/11/26 21:07
IA-02_20260309	L2612752-03	R269004	03/11/26 21:39
IA-03_20260309	L2612752-04	R269005	03/11/26 22:10
IA-04_20260309	L2612752-05	R269006	03/11/26 22:42
IA-05_20260309	L2612752-06	R269007	03/11/26 23:14
WG2184098-5DUP	WG2184098-5	R269011	03/12/26 01:21
RISER_20260310	L2612752-01	R269014	03/12/26 02:57

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 03/11/26 12:00:00
Sample No	: WG2184098-2	**Lab File ID**	: R268997

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2184098-2	155717	3.44	520424	4.32	71975	6.44
Upper Limit	218004	3.77	728594	4.65	100765	6.77
Lower Limit	93430	3.11	312254	3.99	43185	6.11
Sample ID						
WG2184098-3 LCS	155717	3.44	520424	4.32	71975	6.44
WG2184098-4 BLANK	149193	3.43	486189	4.32	66758	6.44
AA-01_20260309	148598	3.43	434984	4.32	62402	6.44
IA-01_20260309	166914	3.44	485791	4.32	69329	6.44
IA-02_20260309	151043	3.44	501069	4.32	70894	6.44
IA-03_20260309	155688	3.44	514327	4.32	73105	6.44
IA-04_20260309	154723	3.44	509396	4.32	71341	6.44
IA-05_20260309	154735	3.44	514799	4.32	70766	6.44
HA-IA-13_20260309 DUP	156931	3.44	512337	4.33	69661	6.44
RISER_20260310	166507	3.44	505412	4.32	71700	6.44

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.

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

Volatile Organics in Air: TO-15 (AIR)

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

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

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

Volatile Organics in Air: TO-15 (AIR)

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

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

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

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-01	Date Collected	: 03/10/26 08:30
Client ID	: RISER_20260310	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/12/26 02:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269014	Instrument ID	: AIRLAB26
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	0.424	0.200	--	2.10	0.989	--	
74-87-3	Chloromethane	0.392	0.200	--	0.809	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	29.7	5.00	--	56.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	39.9	1.00	--	94.8	2.38	--	
75-69-4	Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--	
67-63-0	Isopropanol	5.77	1.00	--	14.2	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	1.32	0.500	--	4.59	1.74	--	
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	7.44	0.200	--	29.5	0.793	--	
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	9.24	0.500	--	27.3	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.280	0.200	--	1.37	0.977	--	
109-99-9	Tetrahydrofuran	6.01	0.500	--	17.7	1.47	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-01	Date Collected	: 03/10/26 08:30
Client ID	: RISER_20260310	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/12/26 02:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269014	Instrument ID	: AIRLAB26
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	0.574	0.200	--	2.02	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	0.281	0.200	--	0.898	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	0.389	0.200	--	1.59	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	5.28	0.200	--	19.9	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	8.04	0.200	--	54.5	1.36	--	
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.218	0.200	--	0.947	0.869	--	
179601-23-1	p/m-Xylene	0.982	0.400	--	4.27	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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-01	Date Collected	: 03/10/26 08:30
Client ID	: RISER_20260310	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/12/26 02:57
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269014	Instrument ID	: AIRLAB26
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	0.358	0.200	--	1.55	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	0.517	0.200	--	2.54	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.16	0.200	--	5.70	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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-02	Date Collected	: 03/09/26 10:15
Client ID	: IA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269003	Instrument ID	: AIRLAB26
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	0.421	0.200	--	2.08	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	24.5	5.00	--	46.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	54.8	1.00	--	130	2.38	--	
75-69-4	Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--	
67-63-0	Isopropanol	34.8	1.00	--	85.5	2.46	--	
75-65-0	Tertiary butyl Alcohol	0.601	0.500	--	1.82	1.52	--	
75-09-2	Methylene chloride	0.679	0.500	--	2.36	1.74	--	
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	10.2	0.200	--	40.4	0.793	--	
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	22.0	0.500	--	64.9	1.47	--	
141-78-6	Ethyl Acetate	0.814	0.500	--	2.93	1.80	--	
67-66-3	Chloroform	0.278	0.200	--	1.36	0.977	--	
109-99-9	Tetrahydrofuran	13.7	0.500	--	40.4	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.990	0.200	--	3.49	0.705	--	
71-43-2	Benzene	0.417	0.200	--	1.33	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-02	Date Collected	: 03/09/26 10:15
Client ID	: IA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269003	Instrument ID	: AIRLAB26
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	0.208	0.200	--	0.972	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	12.6	0.200	--	47.5	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	0.357	0.200	--	1.55	0.869	--	
179601-23-1	p/m-Xylene	1.84	0.400	--	7.99	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.383	0.200	--	1.63	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.780	0.200	--	3.39	0.869	--	
622-96-8	4-Ethyltoluene	0.570	0.200	--	2.80	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.02	0.200	--	5.01	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.45	0.200	--	12.0	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-02	Date Collected	: 03/09/26 10:15
Client ID	: IA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269003	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-03	Date Collected	: 03/09/26 13:50
Client ID	: IA-02_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:39
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269004	Instrument ID	: AIRLAB26
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	0.508	0.200	--	2.51	0.989	--	
74-87-3	Chloromethane	0.584	0.200	--	1.21	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	54.1	5.00	--	102	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	89.2	1.00	--	212	2.38	--	
75-69-4	Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--	
67-63-0	Isopropanol	7.13	1.00	--	17.5	2.46	--	
75-65-0	Tertiary butyl Alcohol	0.852	0.500	--	2.58	1.52	--	
75-09-2	Methylene chloride	1.61	0.500	--	5.59	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.781	0.200	--	2.43	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	8.62	0.200	--	34.2	0.793	--	
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	31.9	0.500	--	94.1	1.47	--	
141-78-6	Ethyl Acetate	1.85	0.500	--	6.67	1.80	--	
67-66-3	Chloroform	0.495	0.200	--	2.42	0.977	--	
109-99-9	Tetrahydrofuran	21.3	0.500	--	62.8	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.520	0.200	--	1.83	0.705	--	
71-43-2	Benzene	0.497	0.200	--	1.59	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-03	Date Collected	: 03/09/26 13:50
Client ID	: IA-02_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:39
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269004	Instrument ID	: AIRLAB26
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	0.279	0.200	--	0.960	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	0.560	0.200	--	2.62	0.934	--	
142-82-5	Heptane	0.522	0.200	--	2.14	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	12.5	0.200	--	47.1	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.429	0.200	--	1.86	0.869	--	
179601-23-1	p/m-Xylene	1.92	0.400	--	8.34	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.510	0.200	--	2.17	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.903	0.200	--	3.92	0.869	--	
622-96-8	4-Ethyltoluene	0.276	0.200	--	1.36	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.425	0.200	--	2.09	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.03	0.200	--	5.06	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-03	Date Collected	: 03/09/26 13:50
Client ID	: IA-02_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:39
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269004	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-04	Date Collected	: 03/09/26 14:00
Client ID	: IA-03_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269005	Instrument ID	: AIRLAB26
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	0.476	0.200	--	2.35	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	25.8	5.00	--	48.6	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	59.7	1.00	--	142	2.38	--	
75-69-4	Trichlorofluoromethane	0.252	0.200	--	1.42	1.12	--	
67-63-0	Isopropanol	6.73	1.00	--	16.5	2.46	--	
75-65-0	Tertiary butyl Alcohol	0.769	0.500	--	2.33	1.52	--	
75-09-2	Methylene chloride	0.686	0.500	--	2.38	1.74	--	
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	11.5	0.200	--	45.6	0.793	--	
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	23.3	0.500	--	68.7	1.47	--	
141-78-6	Ethyl Acetate	1.13	0.500	--	4.07	1.80	--	
67-66-3	Chloroform	0.255	0.200	--	1.25	0.977	--	
109-99-9	Tetrahydrofuran	13.2	0.500	--	38.9	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.405	0.200	--	1.43	0.705	--	
71-43-2	Benzene	0.438	0.200	--	1.40	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-04	Date Collected	: 03/09/26 14:00
Client ID	: IA-03_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269005	Instrument ID	: AIRLAB26
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	0.233	0.200	--	1.09	0.934	--	
142-82-5	Heptane	0.408	0.200	--	1.67	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	13.0	0.200	--	49.0	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	0.381	0.200	--	1.65	0.869	--	
179601-23-1	p/m-Xylene	1.89	0.400	--	8.21	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.445	0.200	--	1.89	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.852	0.200	--	3.70	0.869	--	
622-96-8	4-Ethyltoluene	0.584	0.200	--	2.87	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.944	0.200	--	4.64	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.46	0.200	--	12.1	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Lab ID	: L2612752-04	**Date Collected**	: 03/09/26 14:00
Client ID	: IA-03_20260309	**Date Received**	: 03/10/26
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 03/11/26 22:10
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R269005	**Instrument ID**	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-05	Date Collected	: 03/09/26 09:30
Client ID	: IA-04_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269006	Instrument ID	: AIRLAB26
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	0.473	0.200	--	2.34	0.989	--	
74-87-3	Chloromethane	0.516	0.200	--	1.07	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	21.9	5.00	--	41.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	57.4	1.00	--	136	2.38	--	
75-69-4	Trichlorofluoromethane	0.263	0.200	--	1.48	1.12	--	
67-63-0	Isopropanol	7.34	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	10.5	0.200	--	41.6	0.793	--	
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	11.4	0.500	--	33.6	1.47	--	
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	7.85	0.500	--	23.2	1.47	--	
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	--	
71-43-2	Benzene	0.337	0.200	--	1.08	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-05	Date Collected	: 03/09/26 09:30
Client ID	: IA-04_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269006	Instrument ID	: AIRLAB26
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	0.235	0.200	--	0.963	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	9.27	0.200	--	34.9	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.305	0.200	--	1.32	0.869	--	
179601-23-1	p/m-Xylene	1.55	0.400	--	6.73	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.399	0.200	--	1.70	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.651	0.200	--	2.83	0.869	--	
622-96-8	4-Ethyltoluene	0.691	0.200	--	3.40	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.20	0.200	--	5.90	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.84	0.200	--	14.0	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-05	Date Collected	: 03/09/26 09:30
Client ID	: IA-04_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269006	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-06	Date Collected	: 03/09/26 09:35
Client ID	: IA-05_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269007	Instrument ID	: AIRLAB26
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	0.465	0.200	--	2.30	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	23.0	5.00	--	43.3	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	65.7	1.00	--	156	2.38	--	
75-69-4	Trichlorofluoromethane	0.241	0.200	--	1.35	1.12	--	
67-63-0	Isopropanol	12.8	1.00	--	31.5	2.46	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	0.539	0.500	--	1.87	1.74	--	
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	11.3	0.200	--	44.8	0.793	--	
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	11.7	0.500	--	34.5	1.47	--	
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	7.82	0.500	--	23.1	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.532	0.200	--	1.87	0.705	--	
71-43-2	Benzene	0.363	0.200	--	1.16	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-06	Date Collected	: 03/09/26 09:35
Client ID	: IA-05_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269007	Instrument ID	: AIRLAB26
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	0.236	0.200	--	0.812	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	0.309	0.200	--	1.27	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	16.2	0.200	--	61.0	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	0.376	0.200	--	1.63	0.869	--	
179601-23-1	p/m-Xylene	1.87	0.400	--	8.12	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	0.418	0.200	--	1.78	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	0.725	0.200	--	3.15	0.869	--	
622-96-8	4-Ethyltoluene	0.614	0.200	--	3.02	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	1.06	0.200	--	5.21	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	2.65	0.200	--	13.0	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

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-06	Date Collected	: 03/09/26 09:35
Client ID	: IA-05_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269007	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-07	Date Collected	: 03/09/26 09:40
Client ID	: AA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 20:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269001	Instrument ID	: AIRLAB26
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	0.468	0.200	--	2.31	0.989	--	
74-87-3	Chloromethane	0.501	0.200	--	1.03	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	22.8	5.00	--	43.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	4.90	1.00	--	11.6	2.38	--	
75-69-4	Trichlorofluoromethane	0.266	0.200	--	1.49	1.12	--	
67-63-0	Isopropanol	6.40	1.00	--	15.7	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	0.535	0.200	--	1.89	0.705	--	
71-43-2	Benzene	0.483	0.200	--	1.54	0.639	--	

Results Summary
Form 1
Volatile Organics in Air

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-07	Date Collected	: 03/09/26 09:40
Client ID	: AA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 20:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R269001	Instrument ID	: AIRLAB26
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	0.295	0.200	--	1.38	0.934	--	
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	0.838	0.200	--	3.16	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
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	0.409	0.400	--	1.78	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
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	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Lab ID	: L2612752-07	**Date Collected**	: 03/09/26 09:40
Client ID	: AA-01_20260309	**Date Received**	: 03/10/26
Sample Location	: BROOKLYN, NY	**Date Analyzed**	: 03/11/26 20:01
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15	**Analyst**	: TPH
Lab File ID	: R269001	**Instrument ID**	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: WG2184098-4	Date Collected	: NA
Client ID	: WG2184098-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/11/26 14:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R268999	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: WG2184098-4	Date Collected	: NA
Client ID	: WG2184098-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/11/26 14:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R268999	Instrument ID	: AIRLAB26
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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: WG2184098-4	Date Collected	: NA
Client ID	: WG2184098-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/11/26 14:26
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15	Analyst	: TPH
Lab File ID	: R268999	Instrument ID	: AIRLAB26
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\Airlab26\2026\03\0311T\
Data File : R269001.D
Acq On : 11 Mar 2026 08:01 pm
Operator : AIRLAB26:TPH
Sample : L2612752-07,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:01:10 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	148598	10.000	ppbV	0.00
Standard Area = 155717			Recovery =		95.43%	
43) 1,4-difluorobenzene	4.321	114	434984	10.000	ppbV	0.00
Standard Area = 520424			Recovery =		83.58%	
67) chlorobenzene-D5	6.442	54	62402	10.000	ppbV	0.00
Standard Area = 71975			Recovery =		86.70%	
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.958	85	13686	0.468	ppbV	98
6) chloromethane	2.002	50	5353	0.501	ppbV	95
7) Freon-114	2.030		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	2.178	94	387	0.033	ppbV	94
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.260	31	127002	22.839	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.407	43	63916M6	4.903	ppbV	
21) trichlorofluoromethane	2.452	101	7178	0.266	ppbV	95
22) isopropyl alcohol	2.475	45	103778	6.405	ppbV	99
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	2.665	49	4388	0.400	ppbV	97
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.751		0	N.D.		
31) Freon 113	2.756	101	2130	0.088	ppbV #	82
32) trans-1,2-dichloroethene	2.973	61	975	0.064	ppbV #	68
33) 1,1-dichloroethane	2.973		0	N.D.		
34) MTBE	3.080		0	N.D.		
36) 2-butanone	3.212	43	11043	0.466	ppbV #	94
38) Ethyl Acetate	3.499	61	321	0.067	ppbV #	1
39) chloroform	3.491	83	2349	0.095	ppbV #	94
40) Tetrahydrofuran	3.692	42	1484	0.144	ppbV	90
42) 1,2-dichloroethane	3.806		0	N.D.		
44) hexane	3.476	57	9511	0.535	ppbV #	8
50) benzene	4.132	78	17799	0.483	ppbV	97
53) cyclohexane	4.255	56	1576	0.093	ppbV #	73
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269001.D
Acq On : 11 Mar 2026 08:01 pm
Operator : AIRLAB26:TPH
Sample : L2612752-07,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:01:10 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

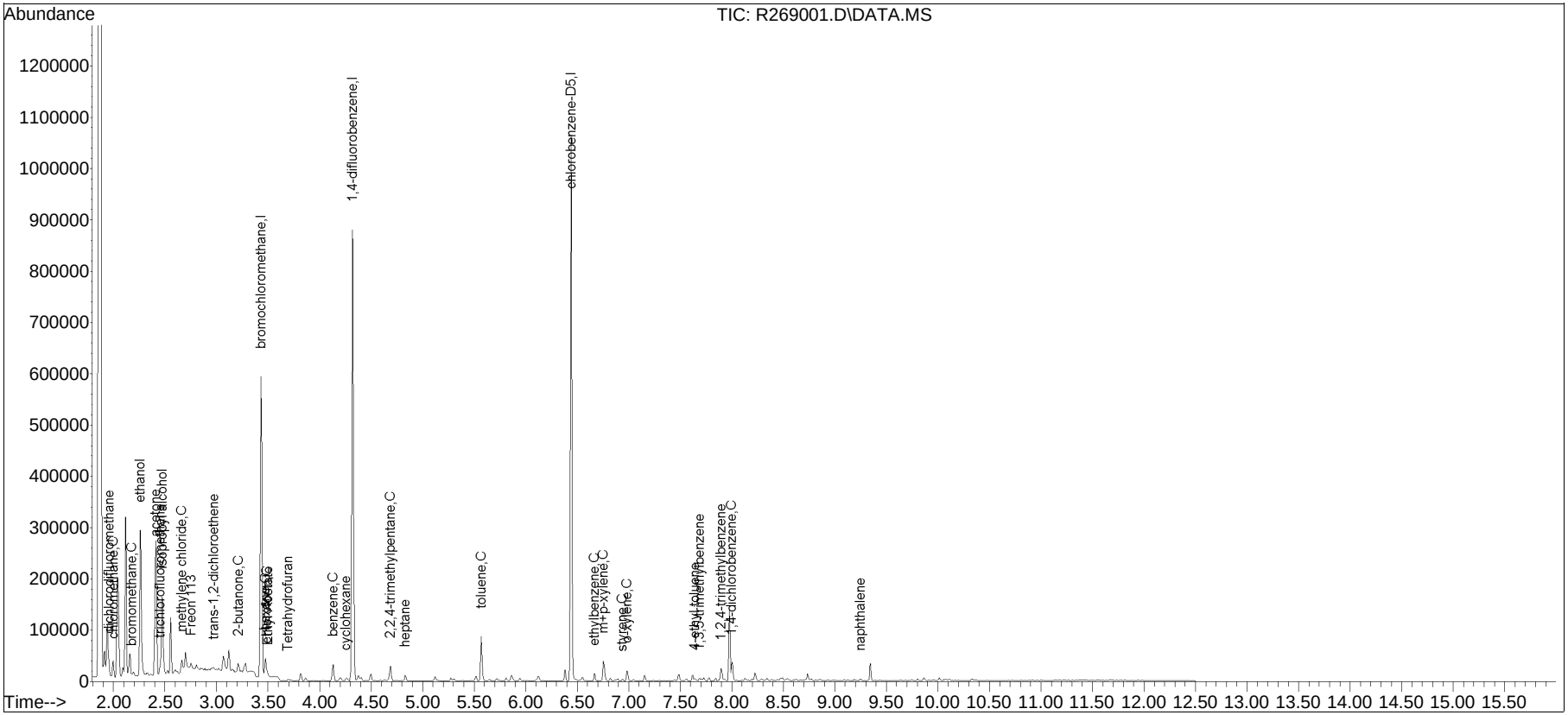
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	4.623		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	15127	0.295	ppbV #	88
62) heptane	4.830	43	2622	0.152	ppbV	97
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	5.568	91	37094	0.838	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.		
80) chlorobenzene	0.000		0	N.D.		
81) ethylbenzene	6.666	91	6833	0.123	ppbV #	79
83) m+p-xylene	6.753	91	17482M3	0.409	ppbV	
84) bromoform	0.000		0	N.D.		
85) styrene	6.937	104	1066	0.032	ppbV #	65
86) 1,1,2,2-tetrachloroethane	7.030		0	N.D.		
87) o-xylene	6.984	91	6389	0.148	ppbV	97
96) 4-ethyl toluene	7.640	105	1862M6	0.032	ppbV	
97) 1,3,5-trimethylbenzene	7.688	105	2194	0.045	ppbV #	84
99) 1,2,4-trimethylbenzene	7.895	105	6843	0.139	ppbV #	67
101) Benzyl Chloride	7.935		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D. d		
103) 1,4-dichlorobenzene	7.999	146	2808	0.078	ppbV	97
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.247	128	2821	0.035	ppbV	97
119) hexachlorobutadiene	0.000		0	N.D.		

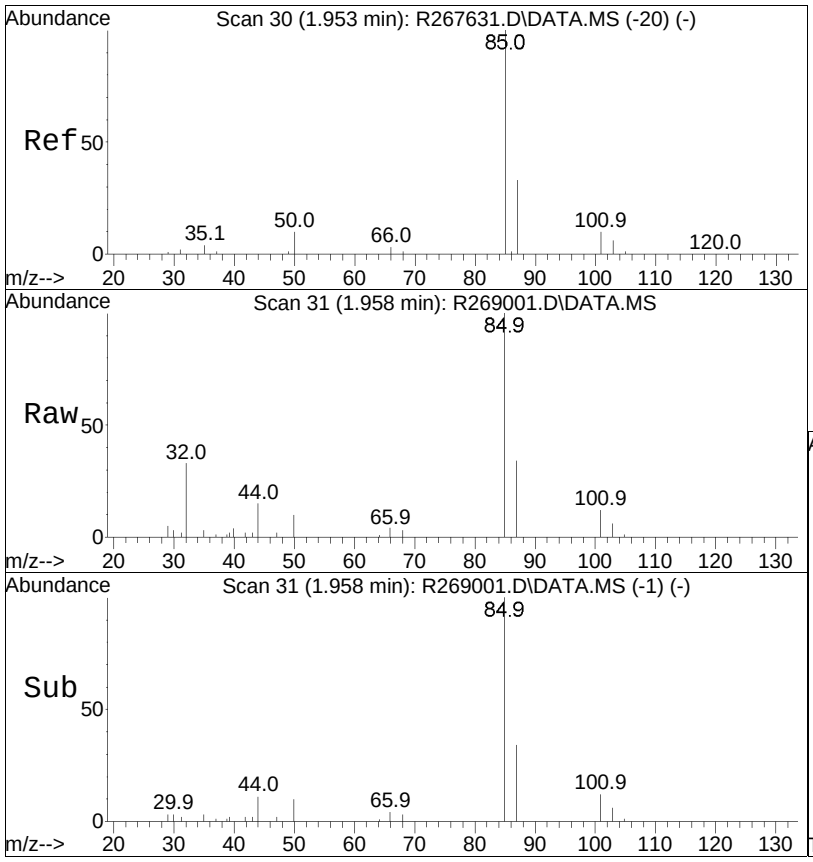
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269001.D
Acq On : 11 Mar 2026 08:01 pm
Operator : AIRLAB26:TPH
Sample : L2612752-07,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:01:10 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

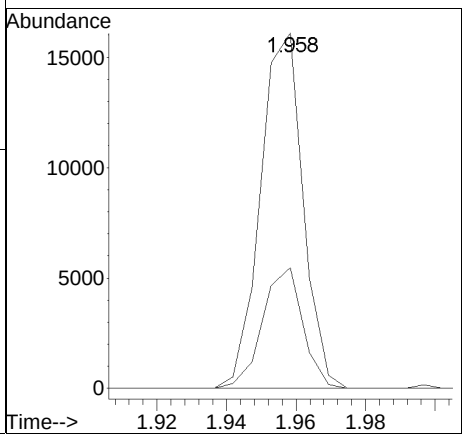


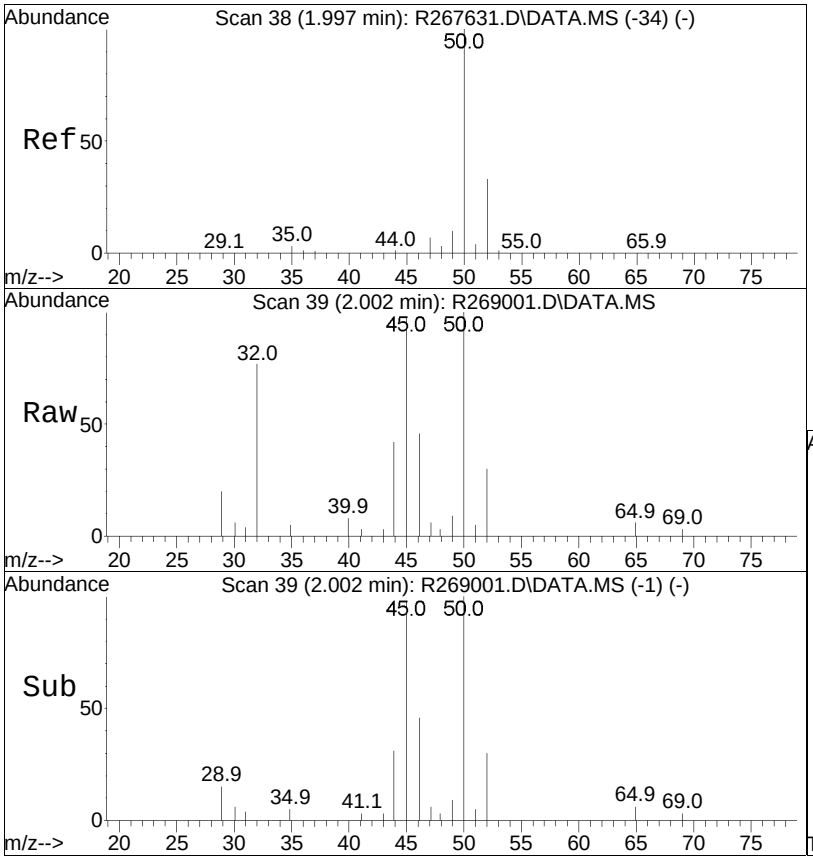


#5
dichlorodifluoromethane
Concen: 0.47 ppbV
RT: 1.958 min Scan# 31
Delta R.T. 0.005 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 85 Resp: 13686

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.2	39.2

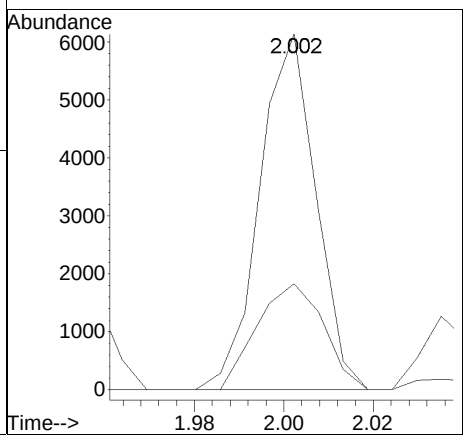


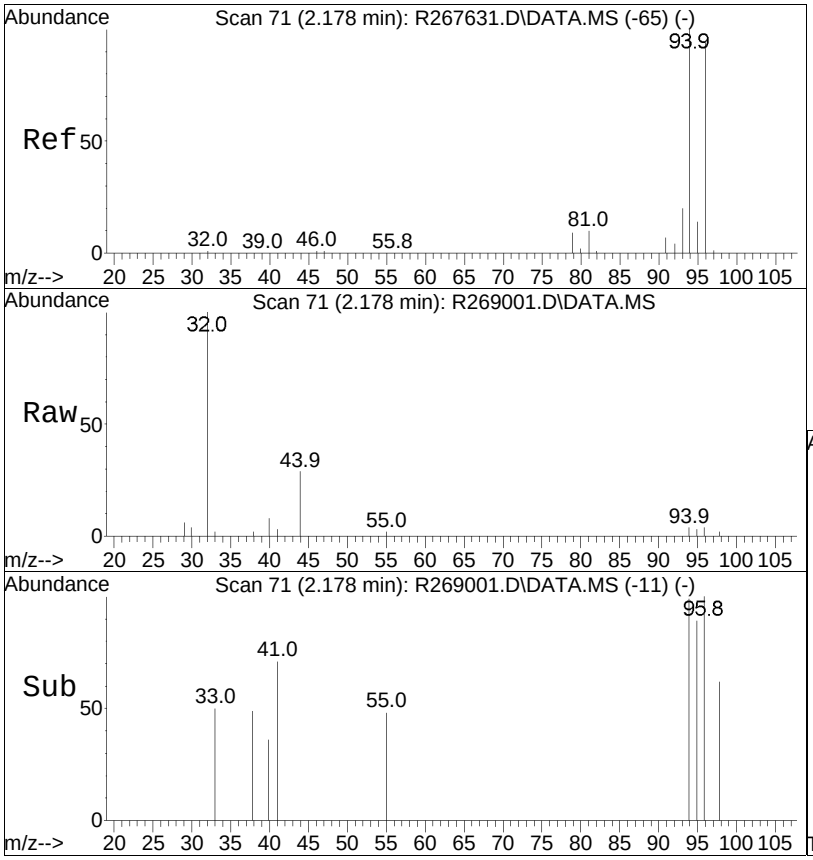


#6
chloromethane
Concen: 0.50 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 50 Resp: 5353

Ion	Ratio	Lower	Upper
50	100		
52	29.7	26.2	39.4

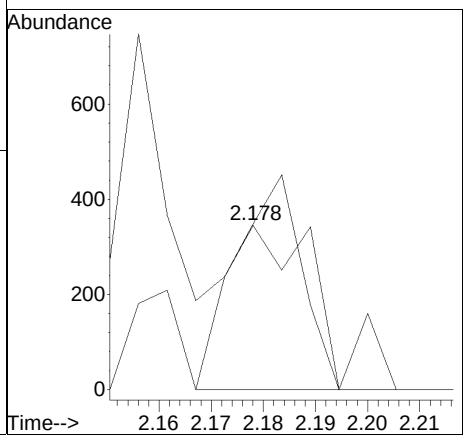


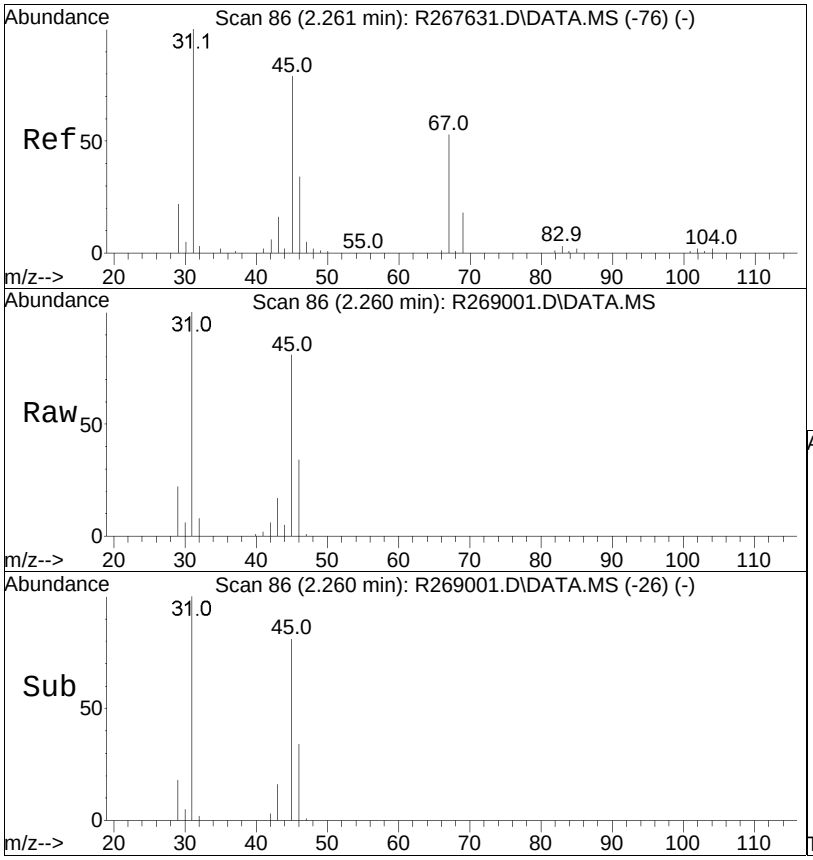


#13
bromomethane
Concen: 0.03 ppbV
RT: 2.178 min Scan# 71
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 94 Resp: 387

Ion	Ratio	Lower	Upper
94	100		
96	100.9	76.1	114.1

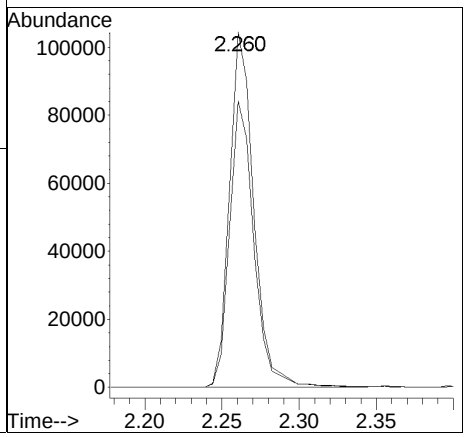


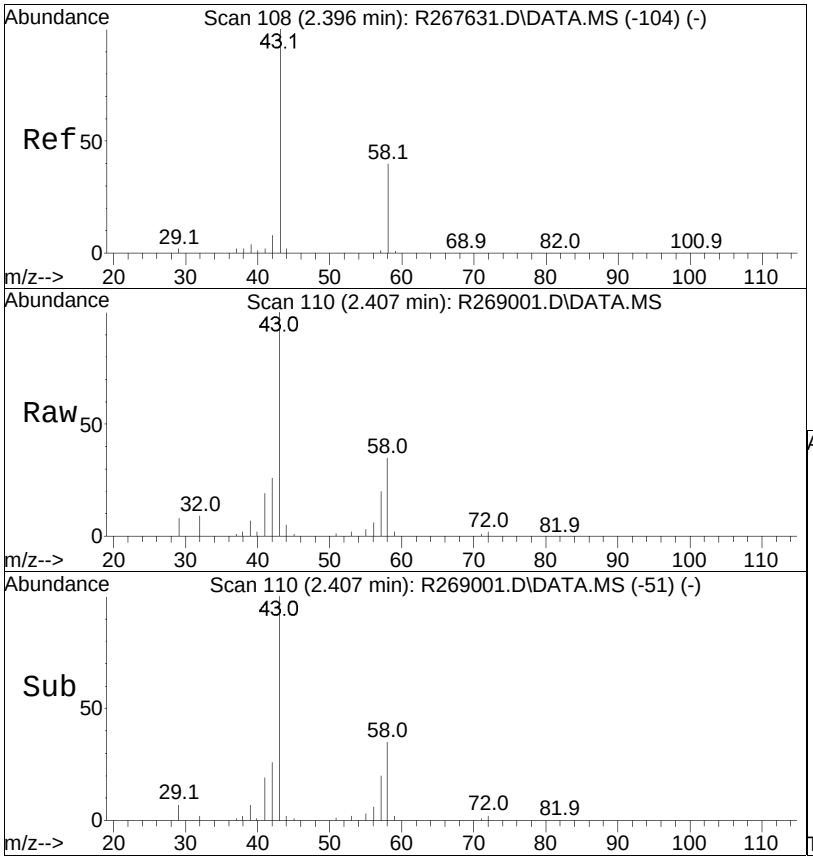


#15
ethanol
Concen: 22.84 ppbV
RT: 2.260 min Scan# 86
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 31 Resp: 127002

Ion	Ratio	Lower	Upper
31	100		
45	80.6	63.4	95.0

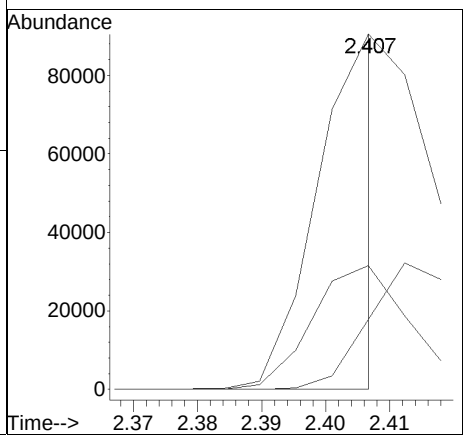


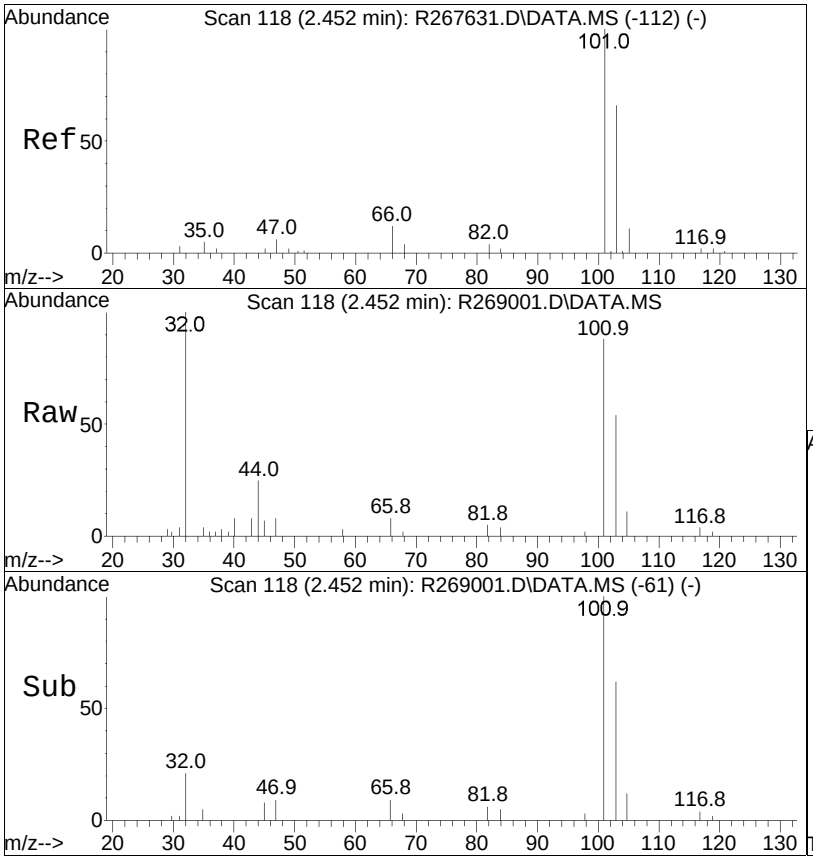


#19
acetone
Concen: 4.90 ppbV m
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 43 Resp: 63916

Ion	Ratio	Lower	Upper
43	100		
58	34.8	32.2	48.2
57	19.7	1.0	1.4#

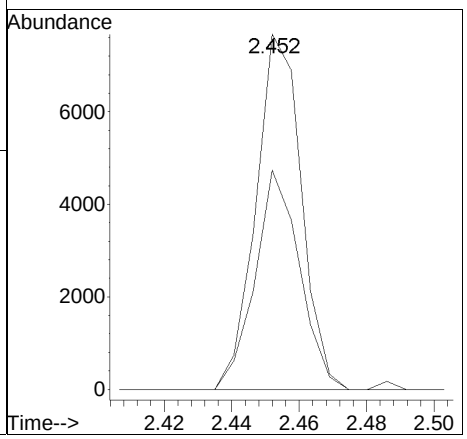


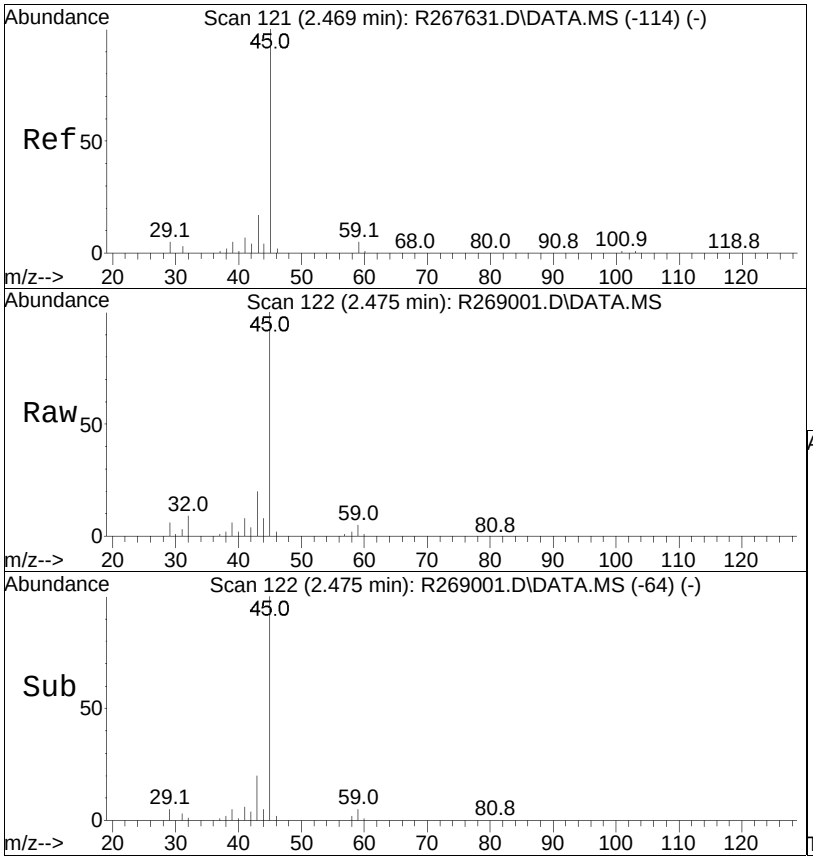


#21
trichlorofluoromethane
Concen: 0.27 ppbV
RT: 2.452 min Scan# 118
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:101 Resp: 7178

Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.6	78.8

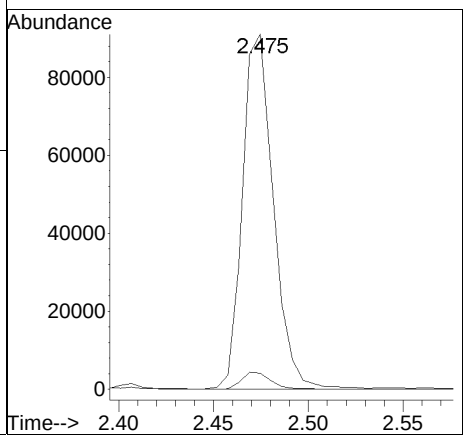


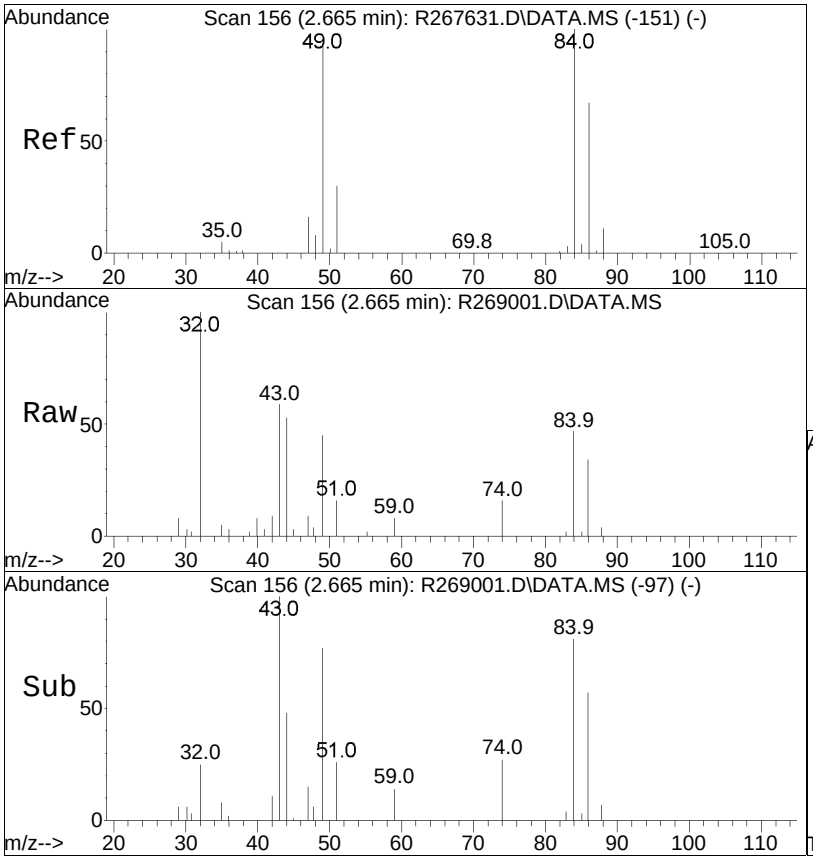


#22
isopropyl alcohol
Concen: 6.40 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.005 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 45 Resp: 103778

Ion	Ratio	Lower	Upper
45	100		
59	4.6	4.0	6.0

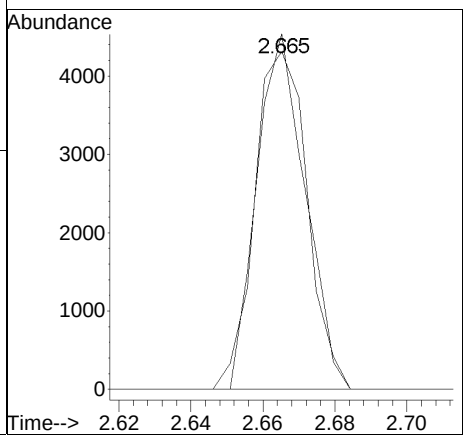


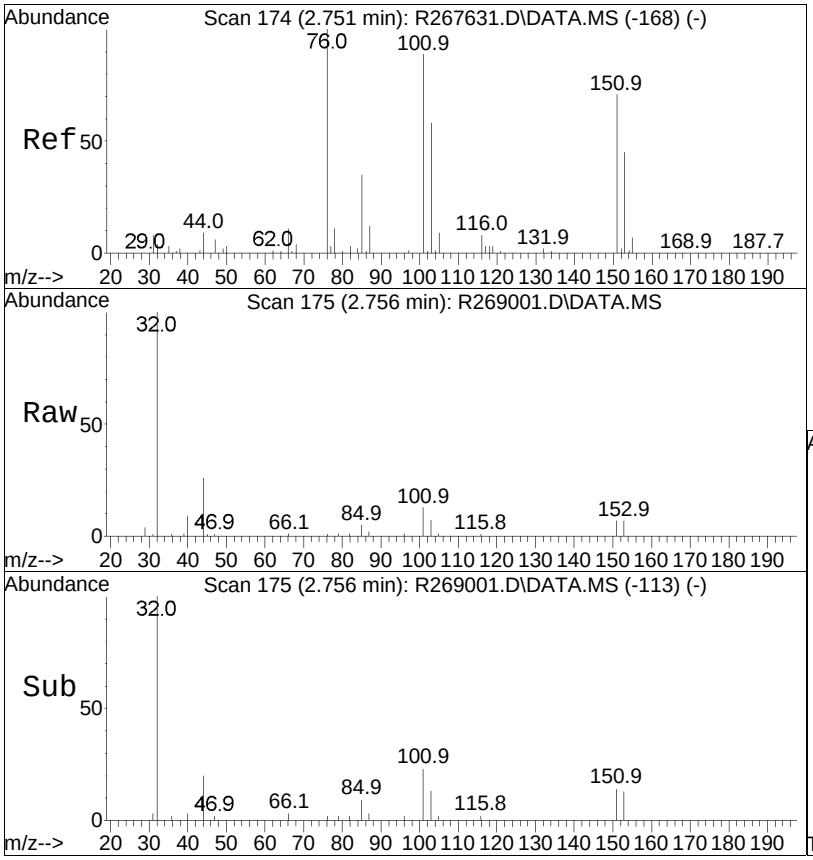


#28
methylene chloride
Concen: 0.40 ppbV
RT: 2.665 min Scan# 156
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 49 Resp: 4388

Ion	Ratio	Lower	Upper
49	100		
84	105.1	82.0	123.0

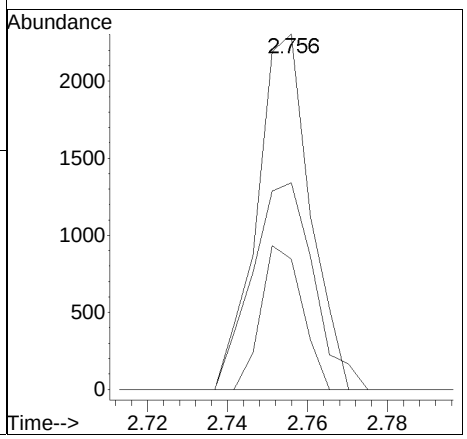


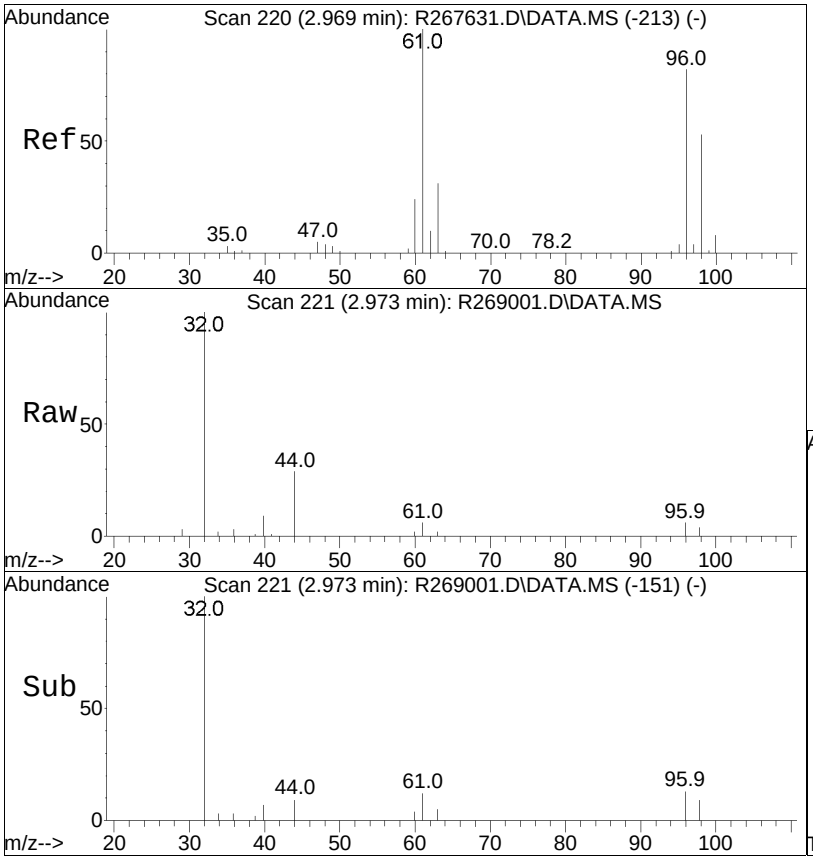


#31
Freon 113
Concen: 0.09 ppbV
RT: 2.756 min Scan# 175
Delta R.T. 0.005 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:101 Resp: 2130

Ion	Ratio	Lower	Upper
101	100		
85	36.7	32.0	48.0
151	58.2	64.0	96.0#

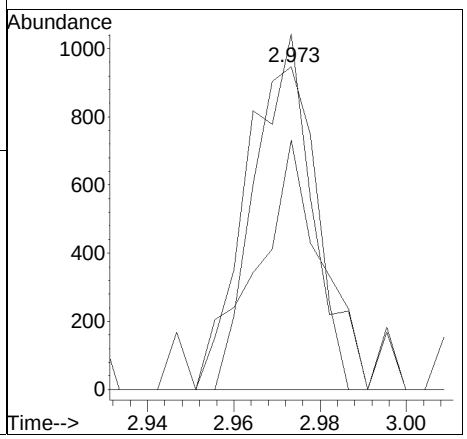


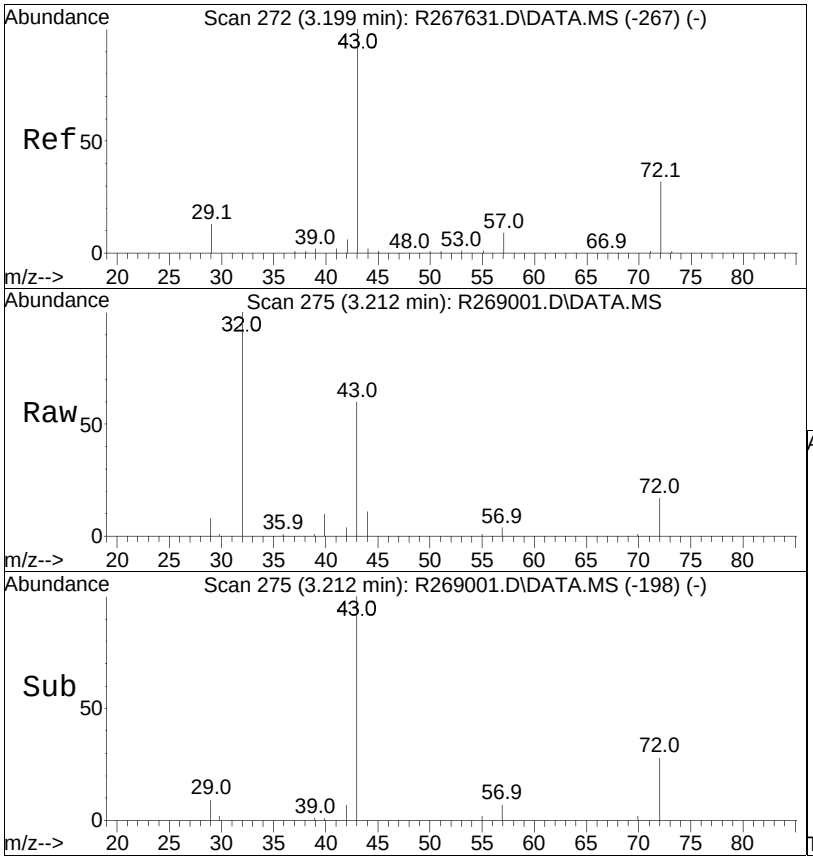


#32
trans-1,2-dichloroethene
Concen: 0.06 ppbV
RT: 2.973 min Scan# 221
Delta R.T. 0.004 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 61 Resp: 975

Ion	Ratio	Lower	Upper
61	100		
96	110.1	65.8	98.6#
98	77.3	42.4	63.6#

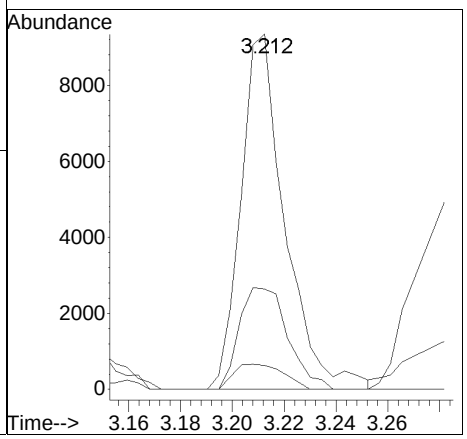


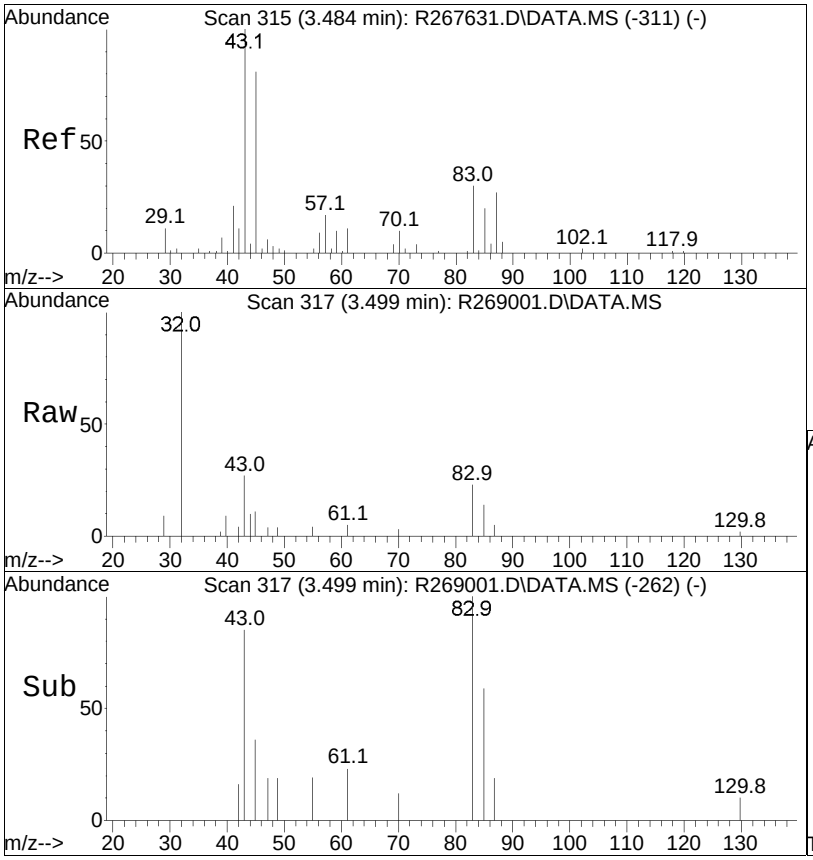


#36
2-butanone
Concen: 0.47 ppbV
RT: 3.212 min Scan# 275
Delta R.T. 0.013 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 43 Resp: 11043

Ion	Ratio	Lower	Upper
43	100		
72	28.3	25.1	37.7
57	6.7	7.4	11.2#

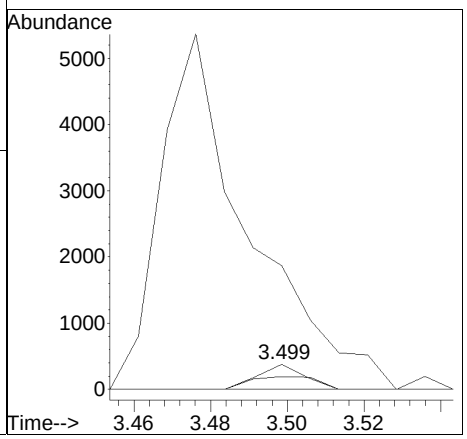


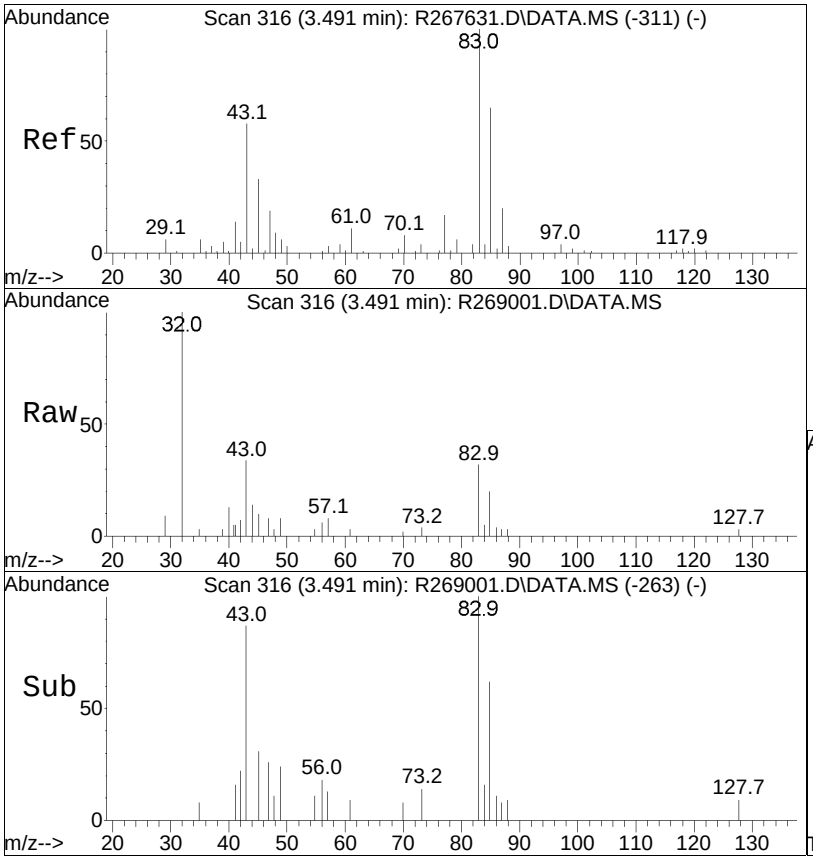


#38
Ethyl Acetate
Concen: 0.07 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.015 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 61 Resp: 321

Ion	Ratio	Lower	Upper
61	100		
70	50.9	73.9	110.9#
43	493.1	752.6	1128.8#

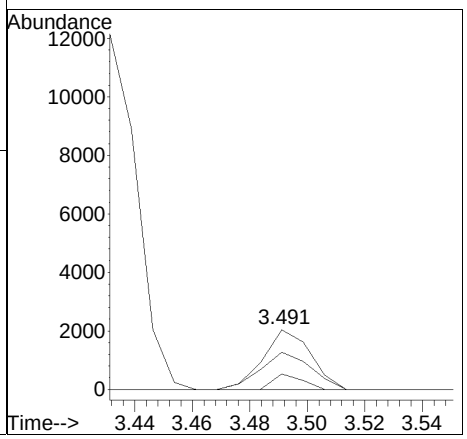


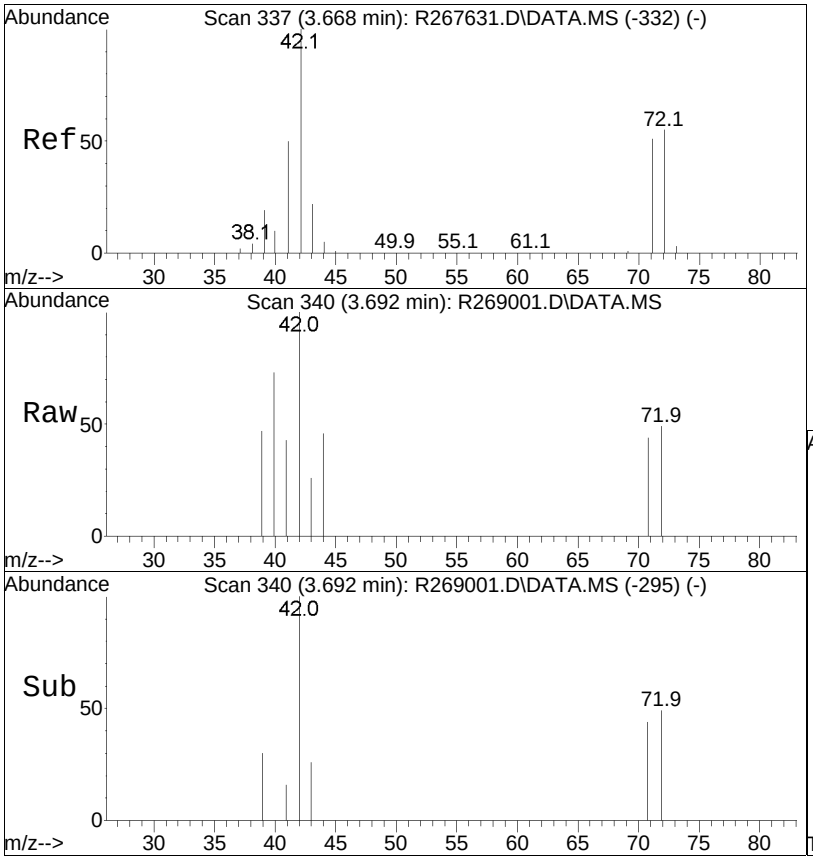


#39
chloroform
Concen: 0.09 ppbV
RT: 3.491 min Scan# 316
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 83 Resp: 2349

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.9	77.9
47	26.0	15.4	23.2#

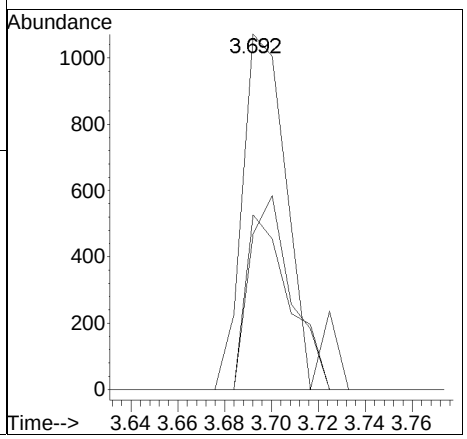


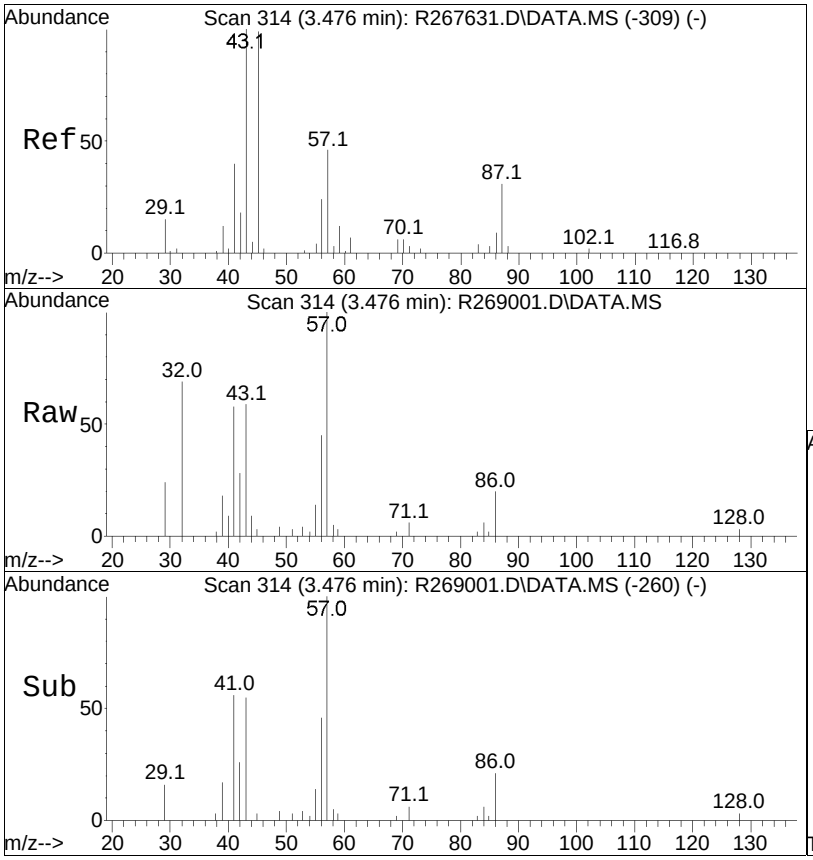


#40
Tetrahydrofuran
Concen: 0.14 ppbV
RT: 3.692 min Scan# 340
Delta R.T. 0.024 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 42 Resp: 1484

Ion	Ratio	Lower	Upper
42	100		
71	43.8	41.0	61.6
72	49.2	44.2	66.2

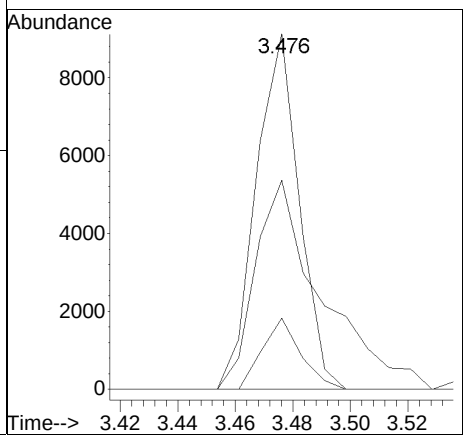


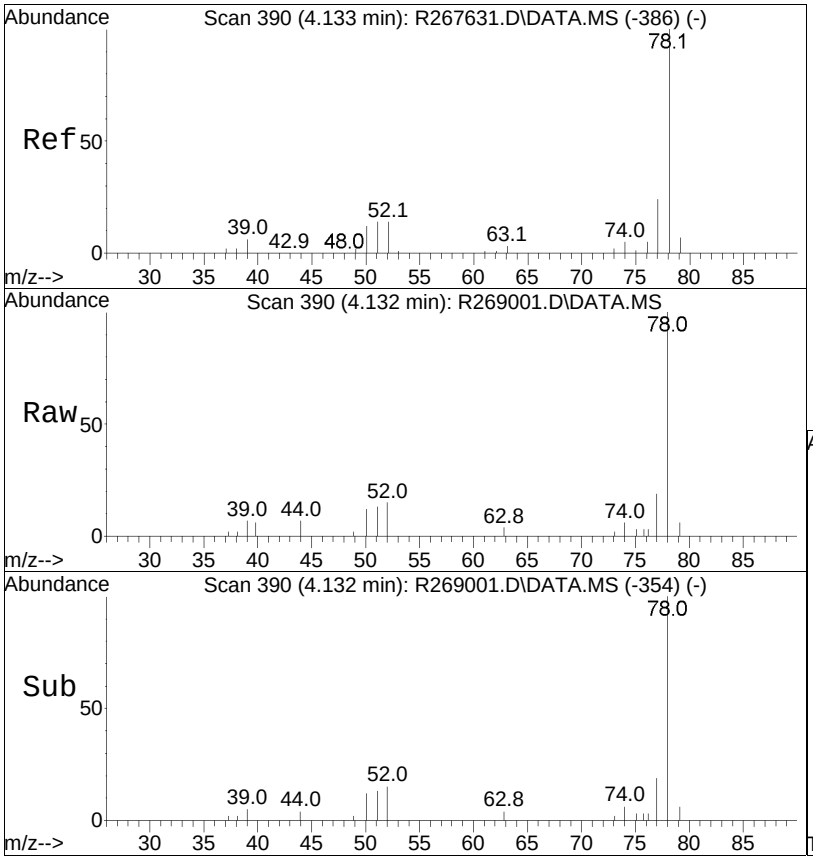


#44
hexane
Concen: 0.54 ppbV
RT: 3.476 min Scan# 314
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 57 Resp: 9511

Ion	Ratio	Lower	Upper
57	100		
43	58.8	175.4	263.0#
86	20.1	16.1	24.1

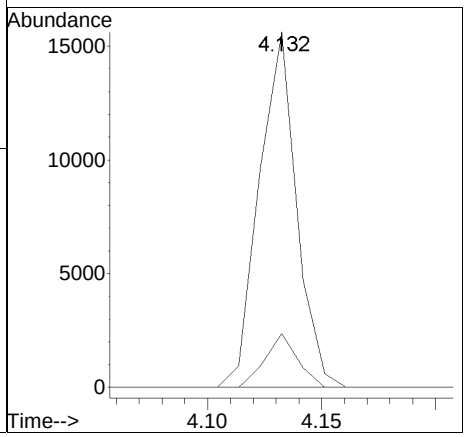


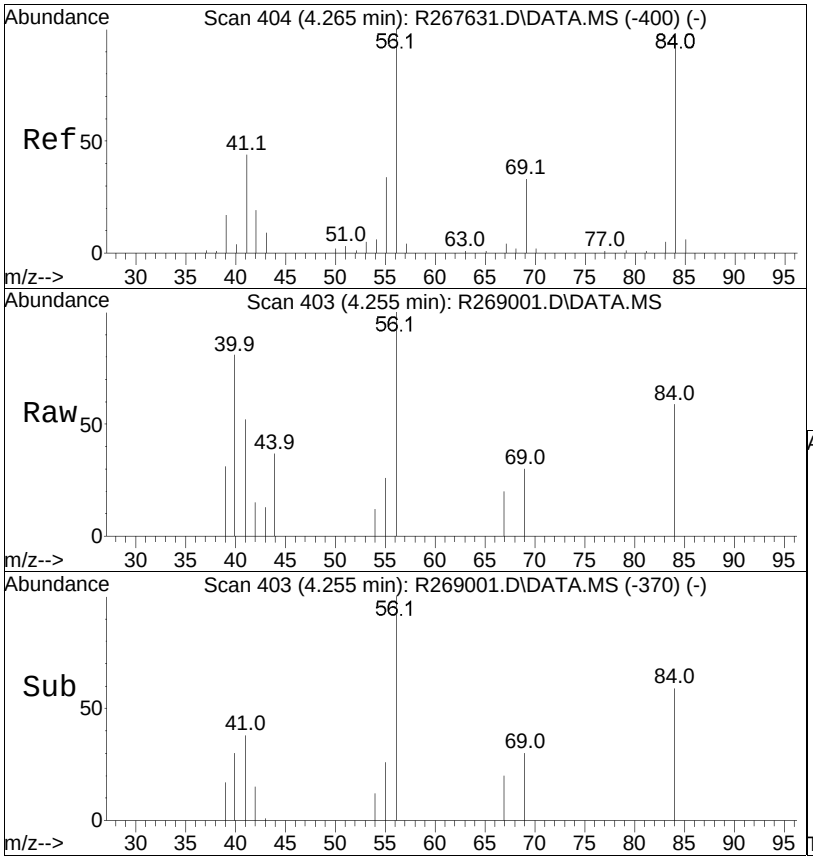


#50
benzene
Concen: 0.48 ppbV
RT: 4.132 min Scan# 390
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 78 Resp: 17799

Ion	Ratio	Lower	Upper
78	100		
52	15.2	11.3	16.9

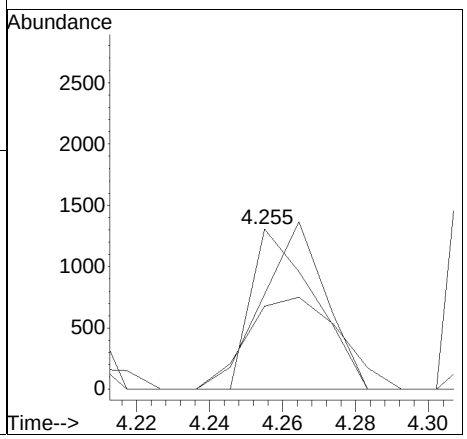


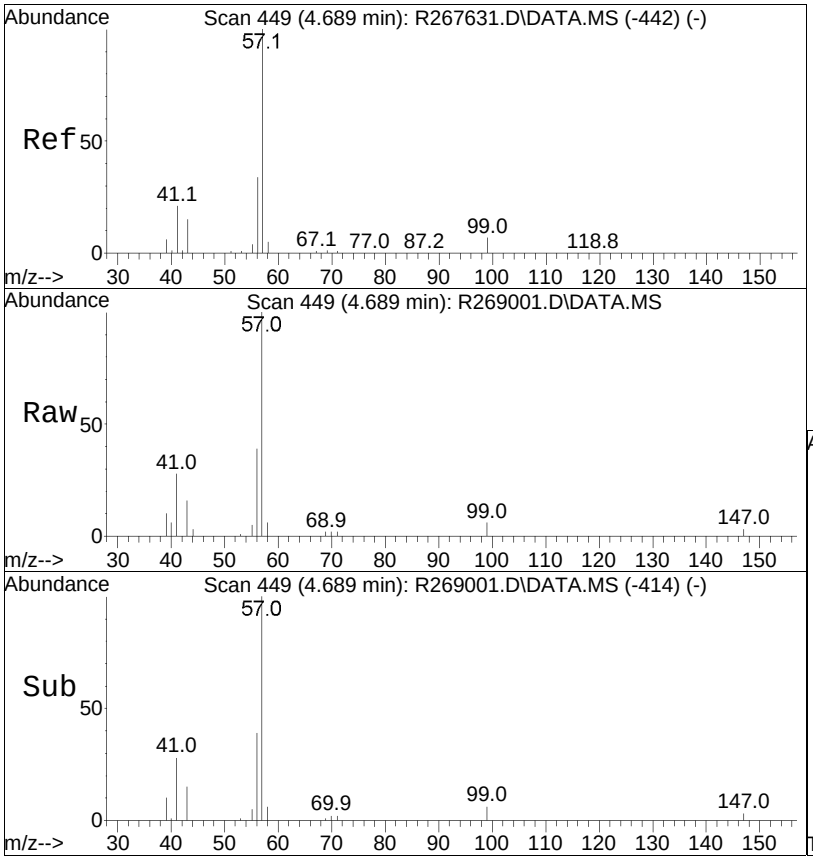


#53
cyclohexane
Concen: 0.09 ppbV
RT: 4.255 min Scan# 403
Delta R.T. -0.010 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 56 Resp: 1576

Ion	Ratio	Lower	Upper
56	100		
84	59.3	73.7	110.5#
41	51.9	35.0	52.4

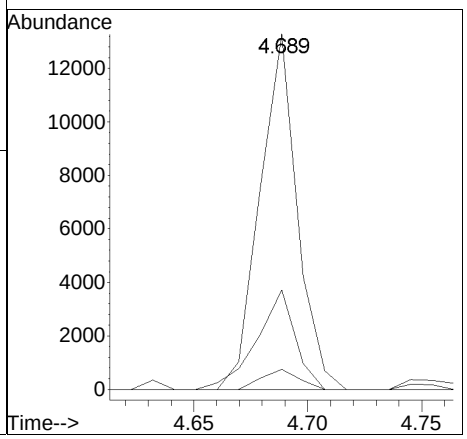


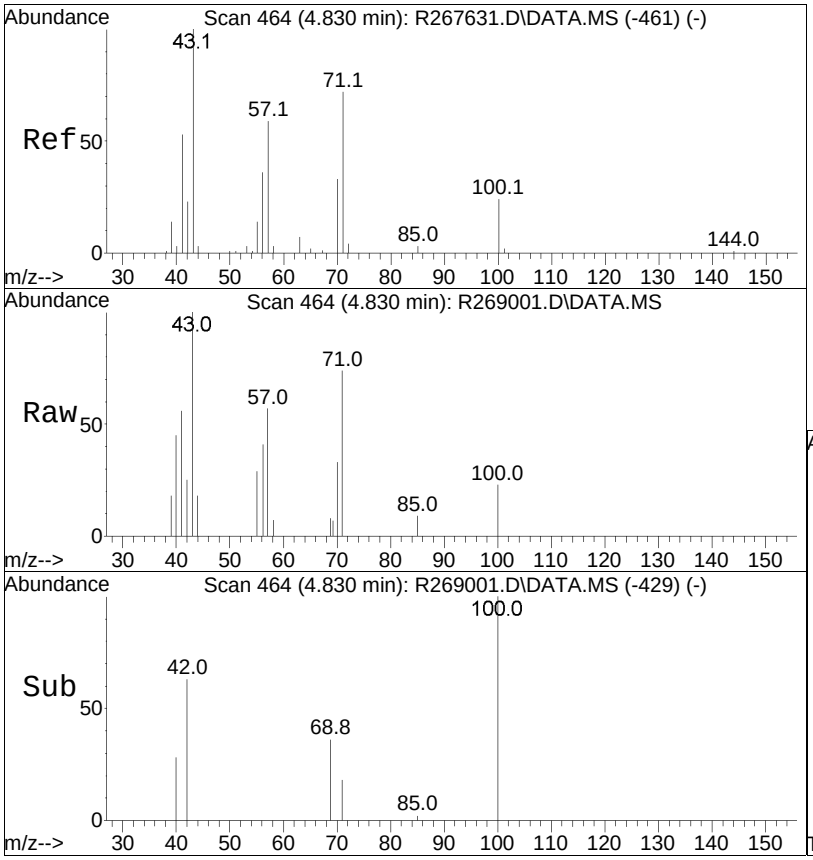


#60
2,2,4-trimethylpentane
Concen: 0.30 ppbV
RT: 4.689 min Scan# 449
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 57 Resp: 15127

Ion	Ratio	Lower	Upper
57	100		
99	5.6	5.4	8.2
41	28.0	16.7	25.1#

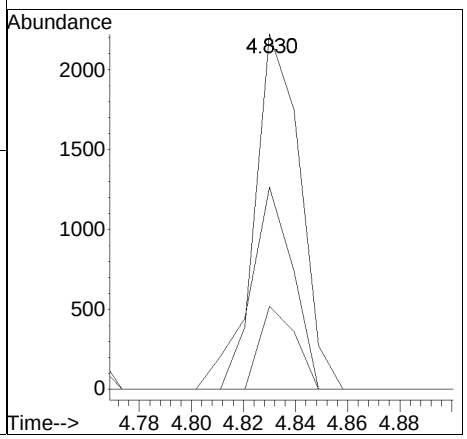


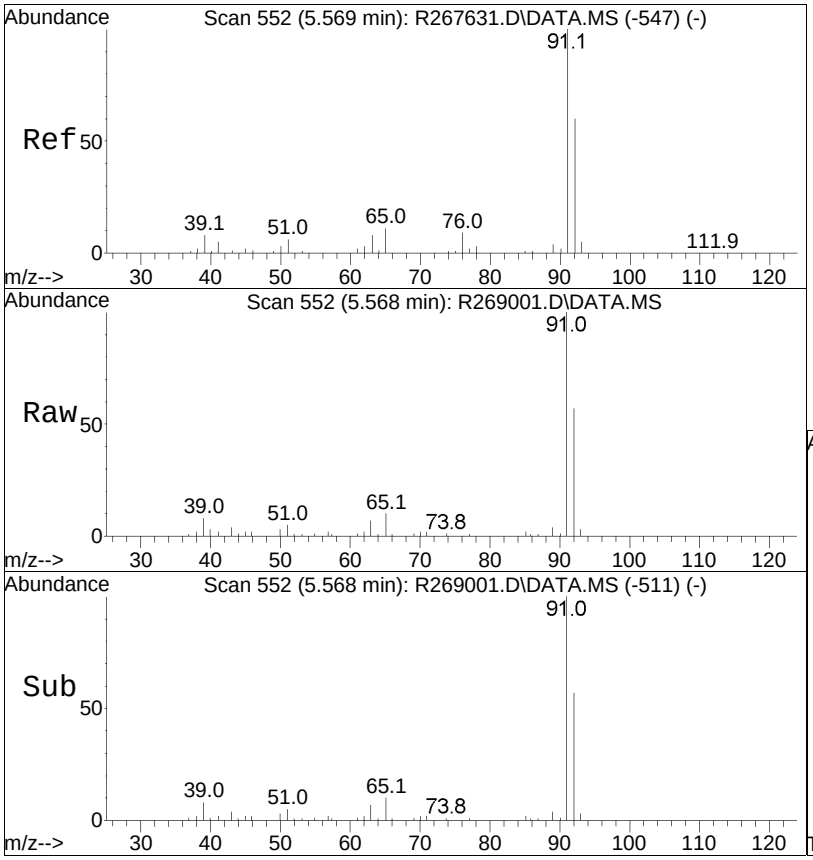


#62
heptane
Concen: 0.15 ppbV
RT: 4.830 min Scan# 464
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 43 Resp: 2622

Ion	Ratio	Lower	Upper
43	100		
57	57.0	47.2	70.8
100	23.3	19.8	29.8

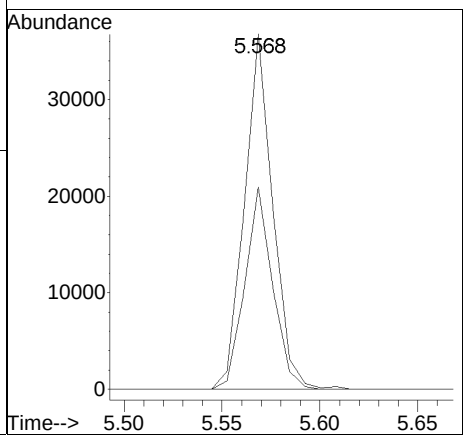


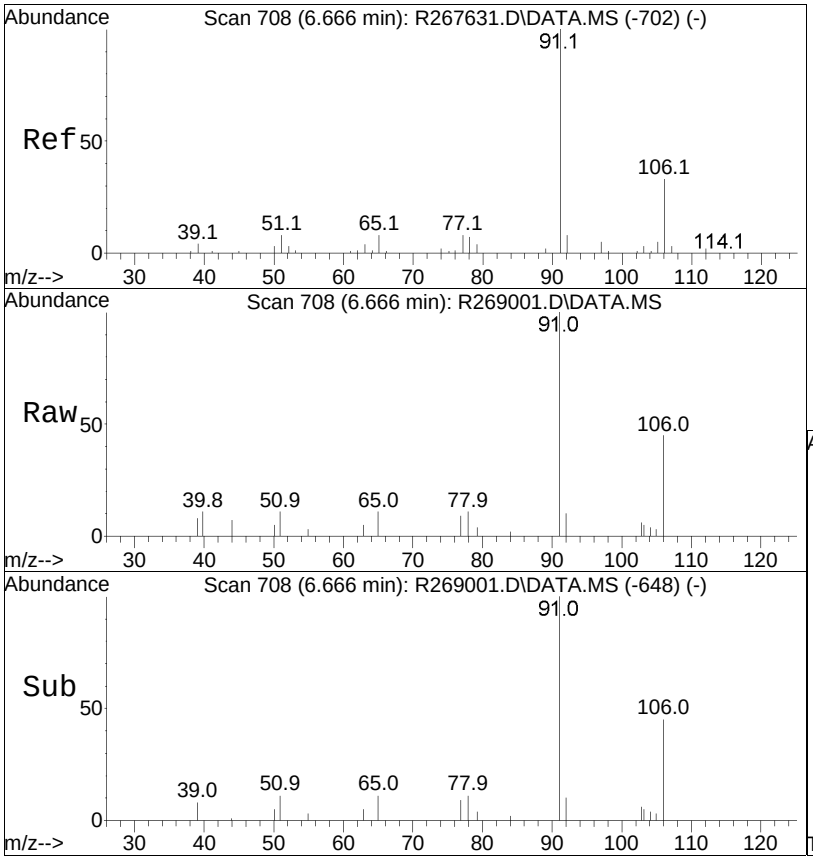


#68
toluene
Concen: 0.84 ppbV
RT: 5.568 min Scan# 552
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 91 Resp: 37094

Ion	Ratio	Lower	Upper
91	100		
92	57.0	48.3	72.5

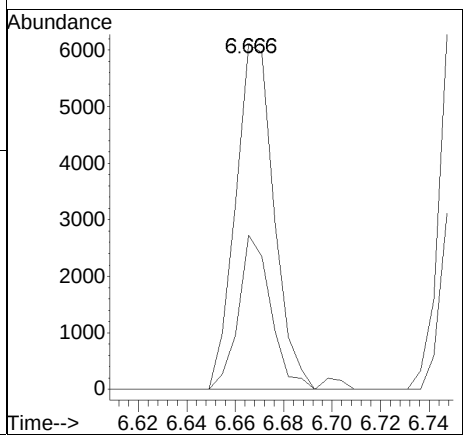


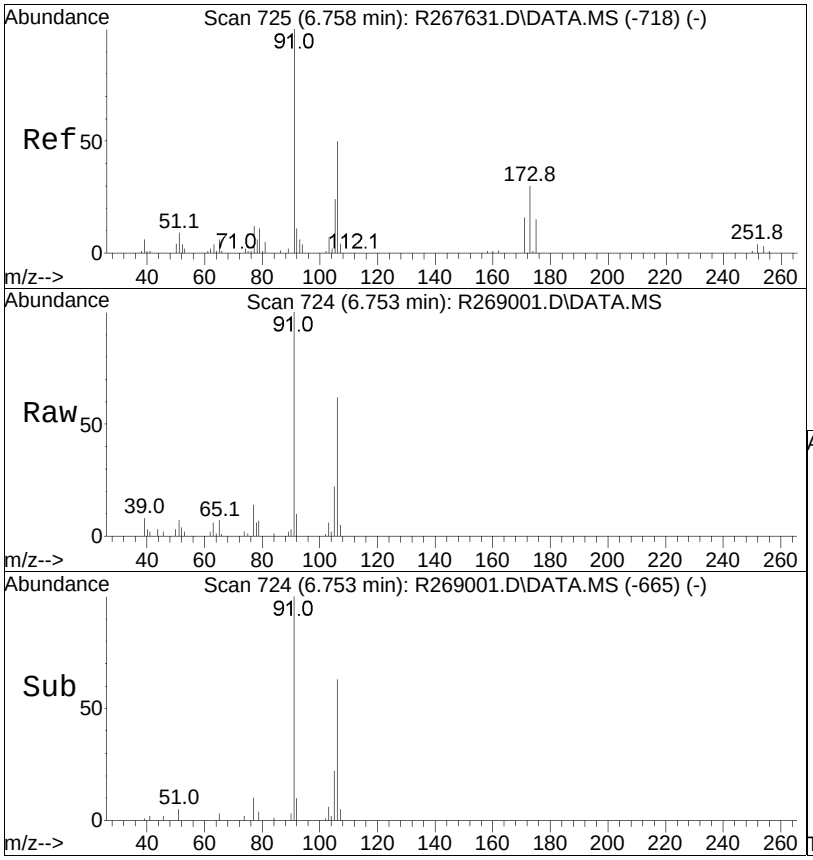


#81
ethylbenzene
Concen: 0.12 ppbV
RT: 6.666 min Scan# 708
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 91 Resp: 6833

Ion	Ratio	Lower	Upper
91	100		
106	44.7	26.3	39.5#

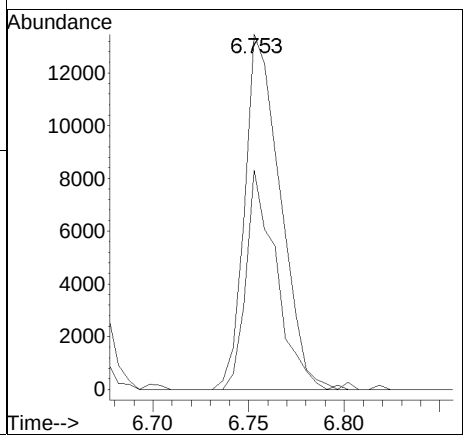


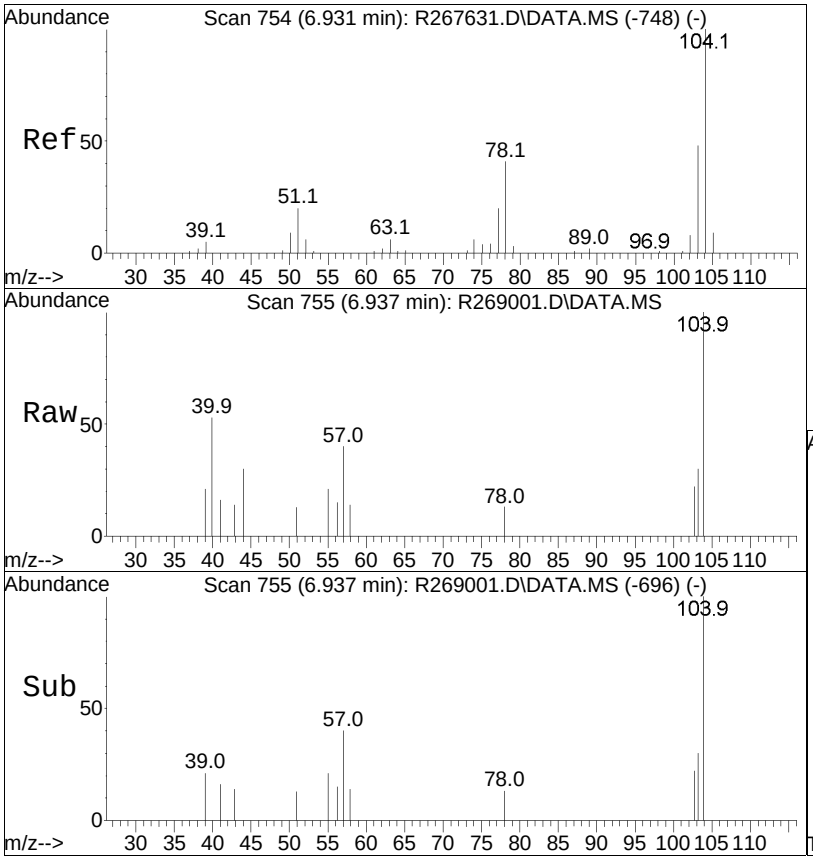


#83
m+p-xylene
Concen: 0.41 ppbV m
RT: 6.753 min Scan# 724
Delta R.T. -0.006 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 91 Resp: 17482

Ion	Ratio	Lower	Upper
91	100		
106	61.8	40.1	60.1#

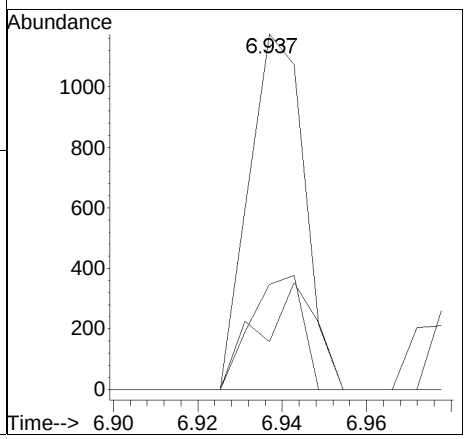


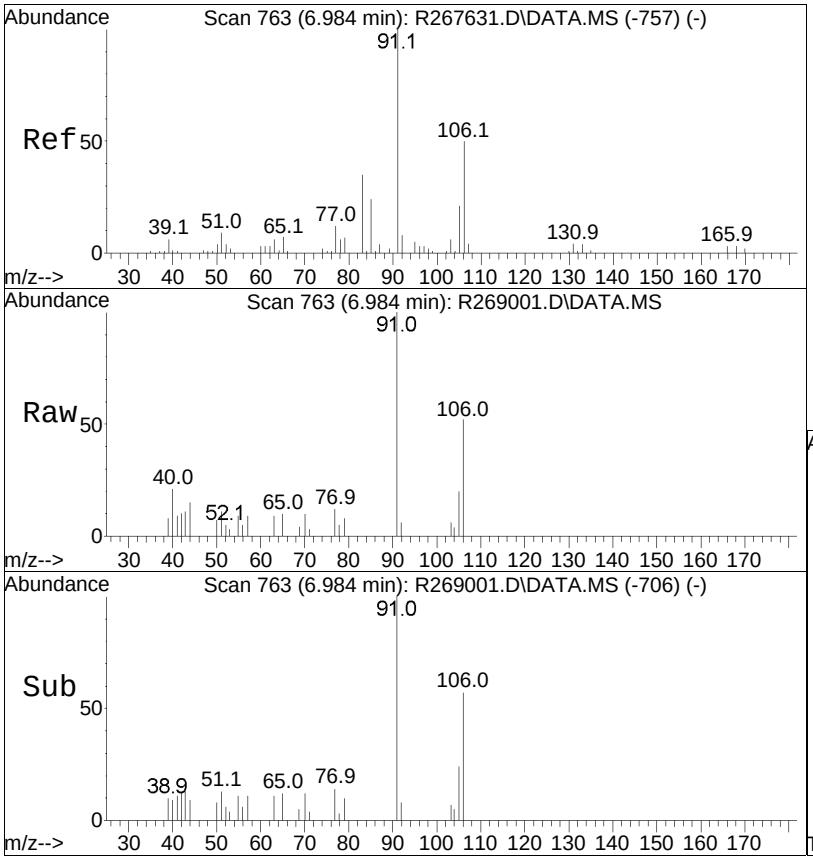


#85
styrene
Concen: 0.03 ppbV
RT: 6.937 min Scan# 755
Delta R.T. 0.006 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:104 Resp: 1066

Ion	Ratio	Lower	Upper
104	100		
103	29.6	38.6	57.8#
78	13.5	32.5	48.7#

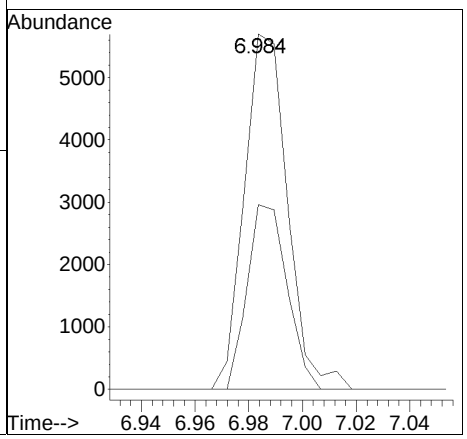


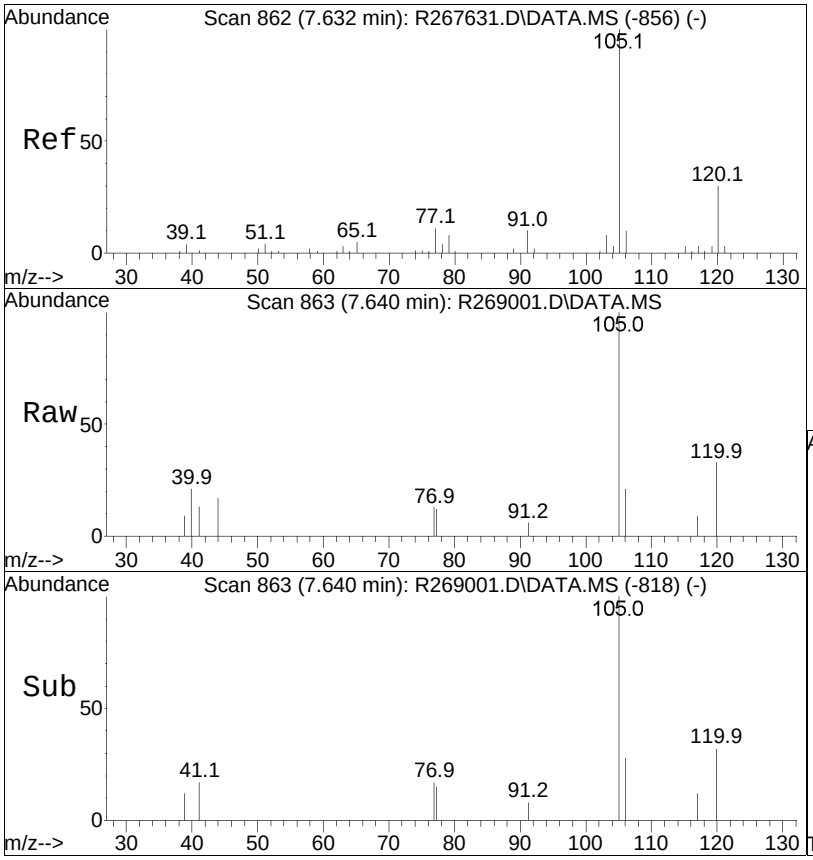


#87
o-xylene
Concen: 0.15 ppbV
RT: 6.984 min Scan# 763
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion: 91 Resp: 6389

Ion	Ratio	Lower	Upper
91	100		
106	52.0	40.2	60.2

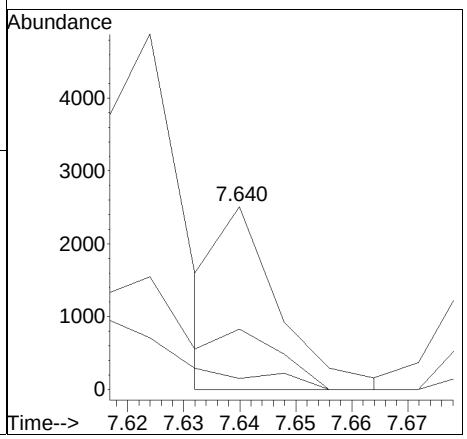


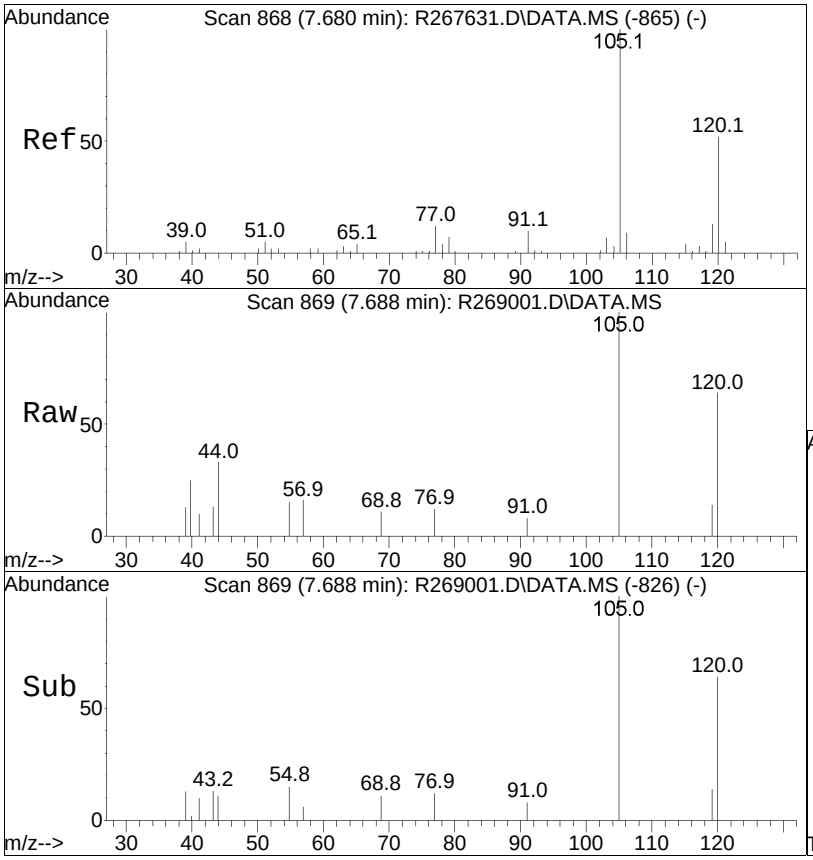


#96
4-ethyl toluene
Concen: 0.03 ppbV m
RT: 7.640 min Scan# 863
Delta R.T. 0.008 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:105 Resp: 1862

Ion	Ratio	Lower	Upper
105	100		
120	33.0	24.3	36.5
91	6.0	8.3	12.5#

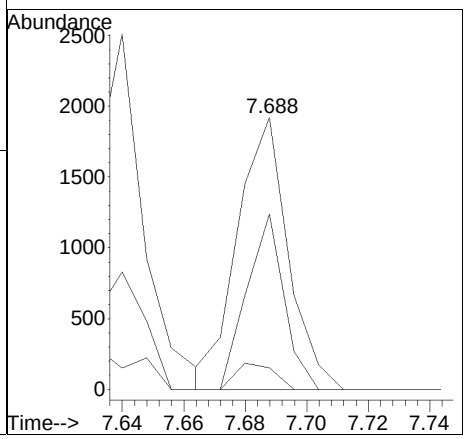


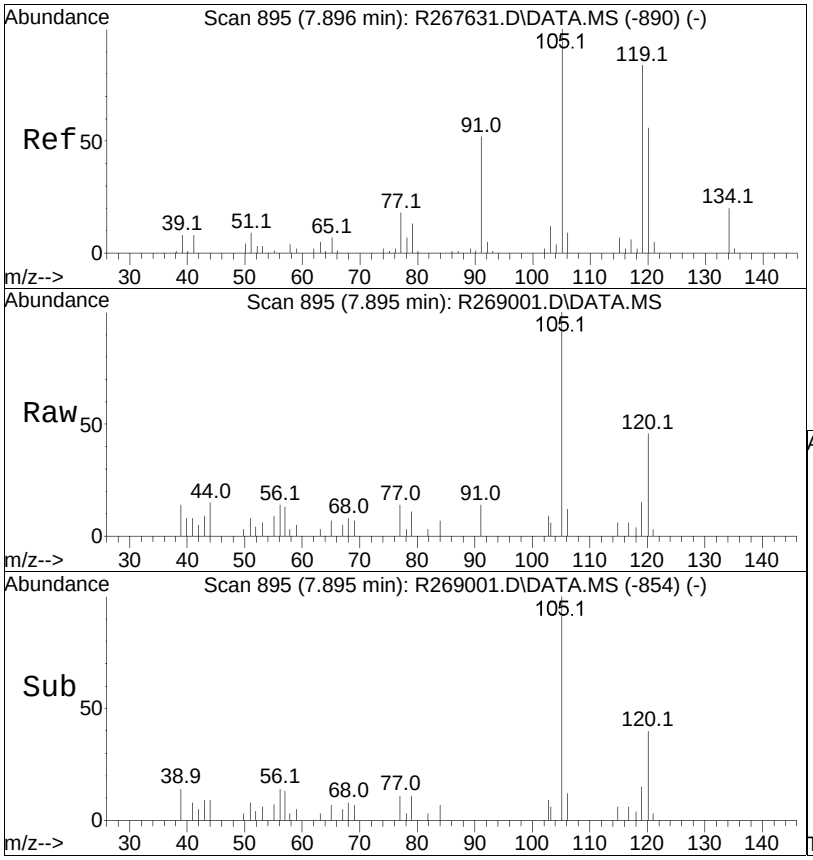


#97
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 7.688 min Scan# 869
Delta R.T. 0.008 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:105 Resp: 2194

Ion	Ratio	Lower	Upper
105	100		
120	64.5	41.4	62.0#
91	8.0	7.7	11.5

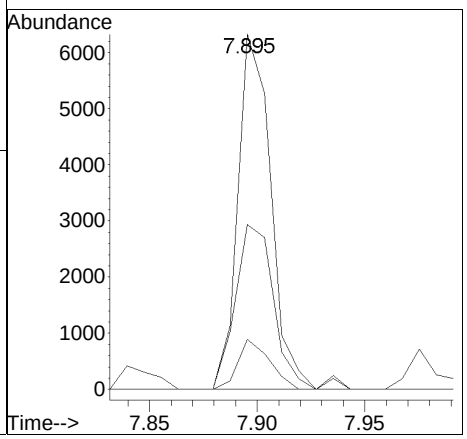


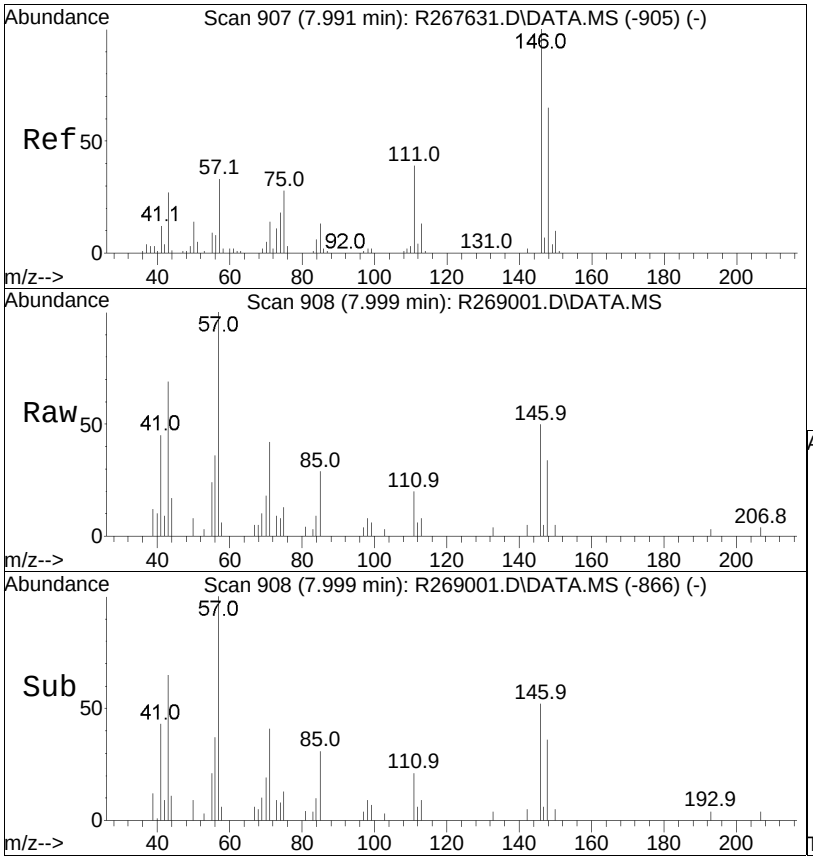


#99
1,2,4-trimethylbenzene
Concen: 0.14 ppbV
RT: 7.895 min Scan# 895
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:105 Resp: 6843

Ion	Ratio	Lower	Upper
105	100		
120	46.4	44.4	66.6
91	14.1	41.9	62.9#

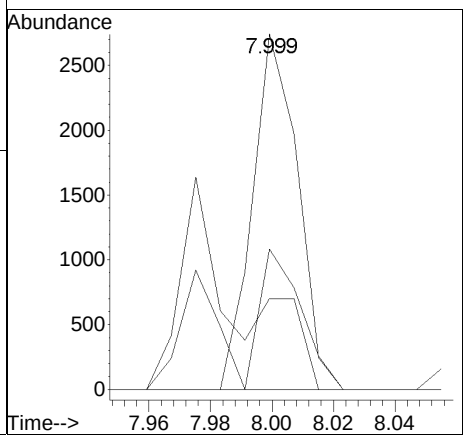


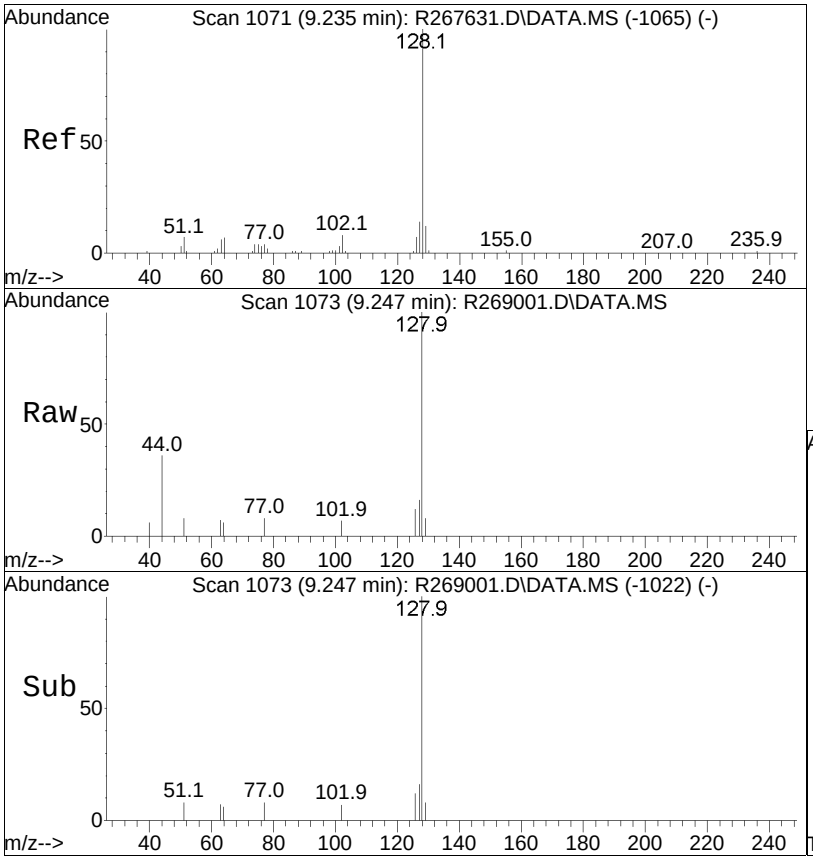


#103
1,4-dichlorobenzene
Concen: 0.08 ppbV
RT: 7.999 min Scan# 908
Delta R.T. 0.008 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:146 Resp: 2808

Ion	Ratio	Lower	Upper
146	100		
111	39.5	31.0	46.6
75	25.6	22.9	34.3

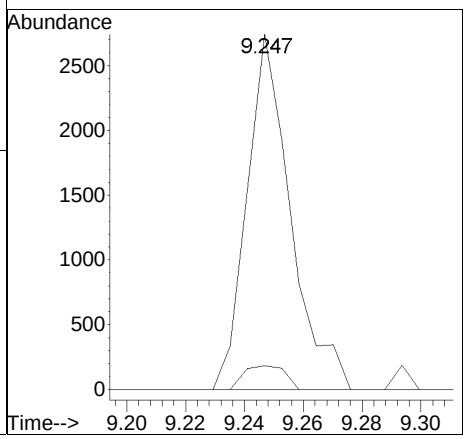




#116
naphthalene
Concen: 0.03 ppbV
RT: 9.247 min Scan# 1073
Delta R.T. 0.011 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:128 Resp: 2821

Ion	Ratio	Lower	Upper
128	100		
102	6.7	6.2	9.2

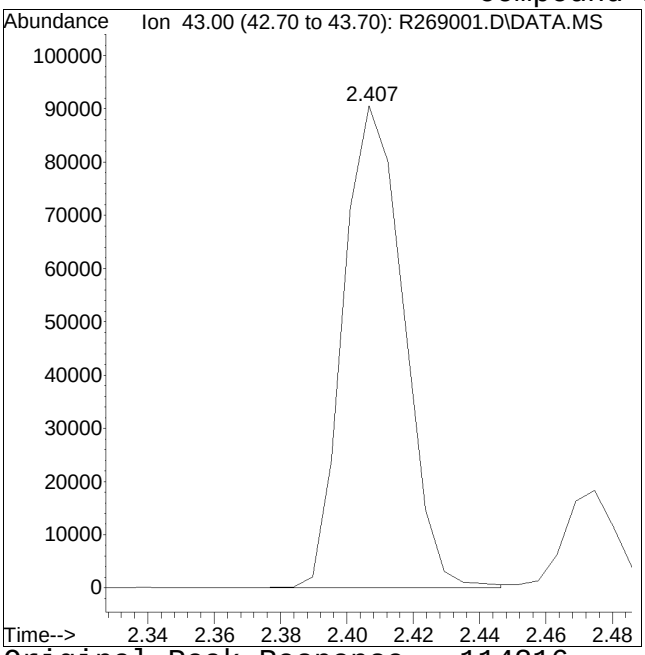


Manual Integration Report

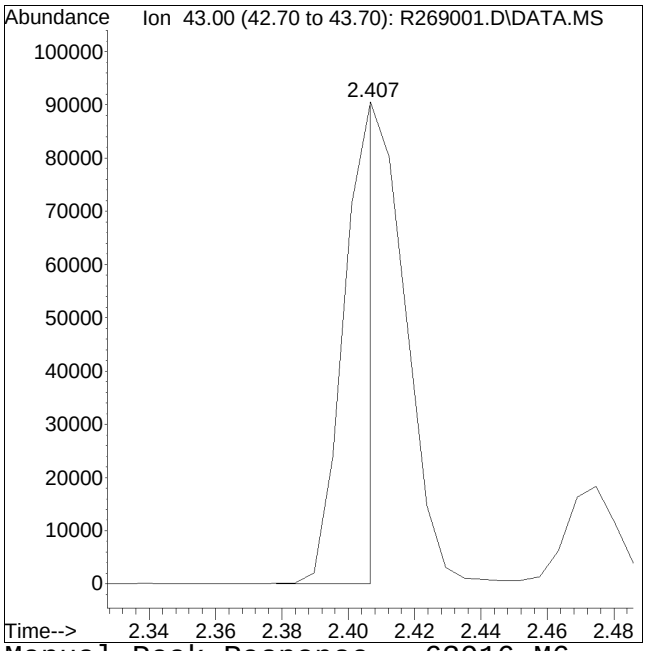
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269001.D
Date Inj'd : 3/11/2026 8:01 pm
Sample : L2612752-07,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:01 am

Compound #19: acetone



Original Peak Response = 114216



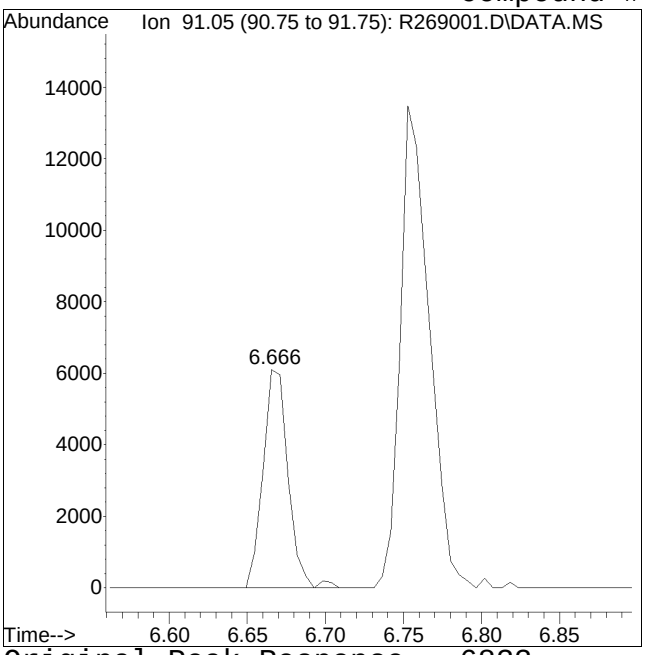
Manual Peak Response = 63916 M6

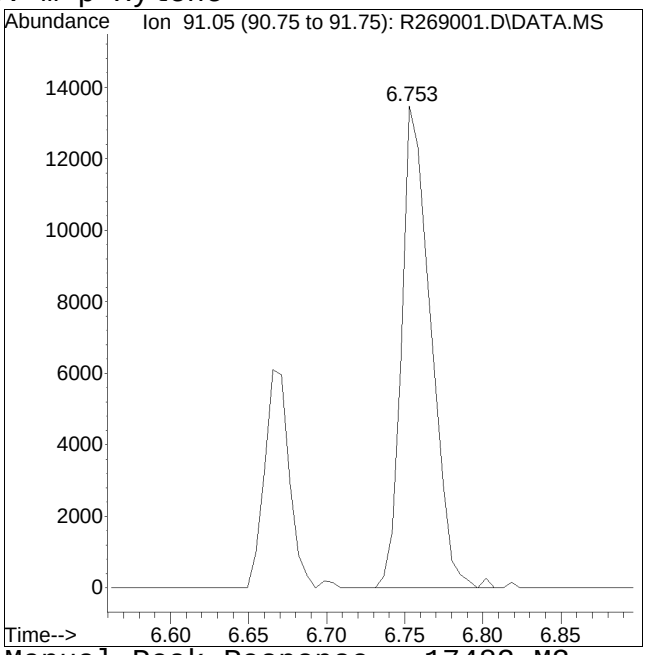
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269001.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 8:01 pm Instrument : Airlab26
Sample : L2612752-07,3,250,250 Quant Date : 3/12/2026 7:01 am

Compound #83: m+p-xylene



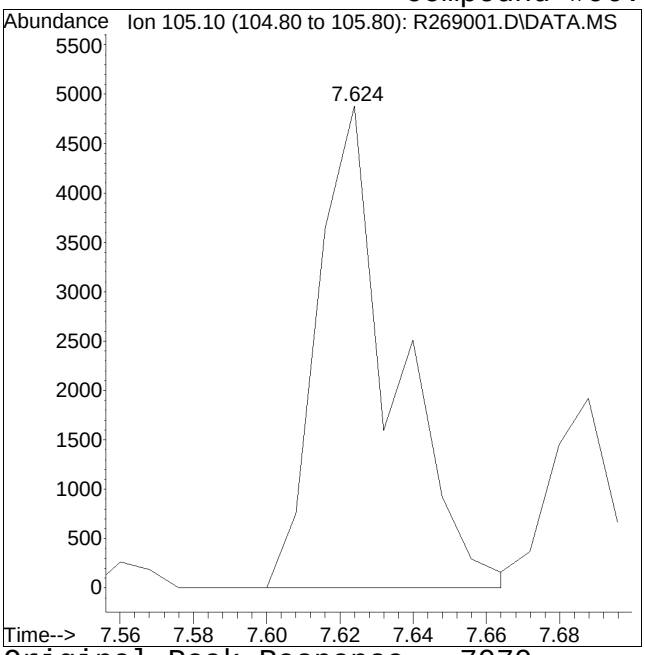


Original Peak Response = 6833 Manual Peak Response = 17482 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

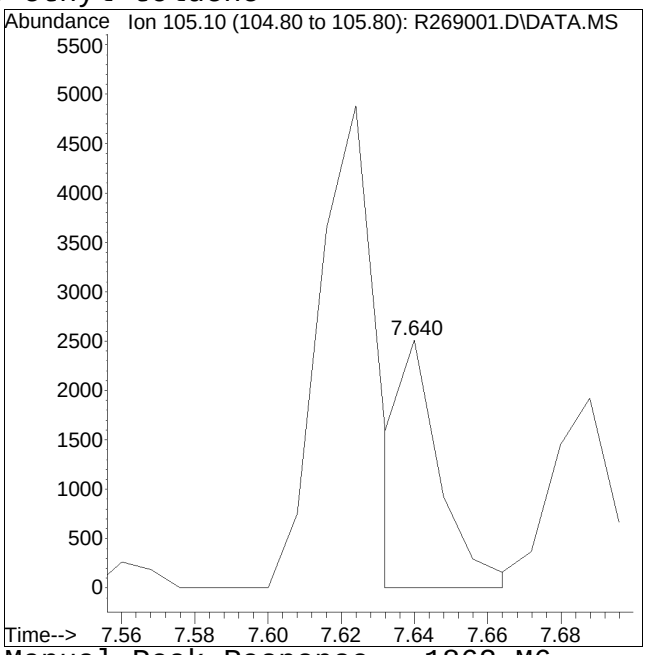
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269001.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 8:01 pm Instrument : Airlab26
Sample : L2612752-07,3,250,250 Quant Date : 3/12/2026 7:01 am

Compound #96: 4-ethyl toluene



Original Peak Response = 7070



Manual Peak Response = 1862 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269003.D
Acq On : 11 Mar 2026 09:07 pm
Operator : AIRLAB26:TPH
Sample : L2612752-02,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 07:01:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	3.439	49	166914	10.000	ppbV		0.00
Standard Area = 155717			Recovery = 107.19%				
43) 1,4-difluorobenzene	4.321	114	485791	10.000	ppbV		0.00
Standard Area = 520424			Recovery = 93.35%				
67) chlorobenzene-D5	6.442	54	69329	10.000	ppbV		0.00
Standard Area = 71975			Recovery = 96.32%				
System Monitoring Compounds							
Target Compounds							Qvalue
5) dichlorodifluoromethane	1.953	85	13844	0.421	ppbV		94
6) chloromethane	2.002	50	6143	0.512	ppbV		100
7) Freon-114	2.030		0	N.D.			
10) 1,3-butadiene	0.000		0	N.D.	d		
13) bromomethane	0.000		0	N.D.	d		
14) chloroethane	0.000		0	N.D.	d		
15) ethanol	2.261	31	153311	24.545	ppbV		100
17) vinyl bromide	0.000		0	N.D.			
19) acetone	2.401	43	802808	54.824	ppbV		100
21) trichlorofluoromethane	2.458	101	6829	0.225	ppbV		98
22) isopropyl alcohol	2.475	45	632620	34.758	ppbV		100
27) tertiary butyl alcohol	2.651	59	15024	0.601	ppbV	#	74
28) methylene chloride	2.670	49	8360	0.679	ppbV		93
29) 3-chloropropene	0.000		0	N.D.	d		
30) carbon disulfide	2.761	76	1689	0.048	ppbV	#	1
31) Freon 113	2.756	101	1896	0.070	ppbV	#	83
32) trans-1,2-dichloroethene	2.974	61	174295	10.235	ppbV		96
33) 1,1-dichloroethane	0.000		0	N.D.	d		
34) MTBE	3.071		0	N.D.			
36) 2-butanone	3.204	43	585552	22.003	ppbV		97
38) Ethyl Acetate	3.491	61	4390	0.814	ppbV	#	17
39) chloroform	3.499	83	7760	0.278	ppbV		98
40) Tetrahydrofuran	3.668	42	158949	13.715	ppbV		98
42) 1,2-dichloroethane	3.815		0	N.D.			
44) hexane	3.476	57	19640	0.990	ppbV	#	17
50) benzene	4.133	78	17182	0.417	ppbV		98
53) cyclohexane	4.265	56	3376	0.179	ppbV	#	57
56) 1,2-dichloropropane	0.000		0	N.D.			

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269003.D
Acq On : 11 Mar 2026 09:07 pm
Operator : AIRLAB26:TPH
Sample : L2612752-02,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 07:01:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

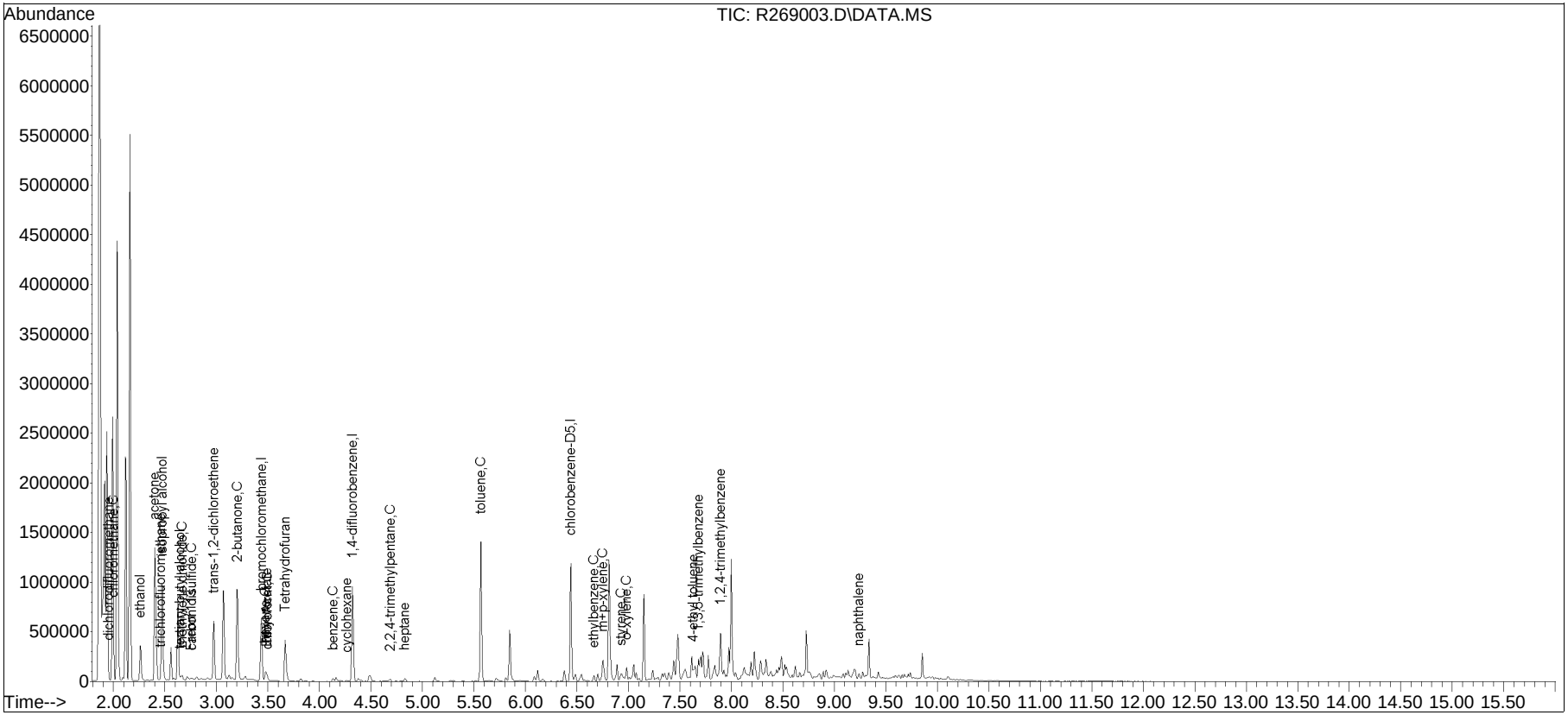
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	11897	0.208	ppbV #	97
62) heptane	4.830	43	7059	0.367	ppbV #	93
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	5.569	91	618132	12.574	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	6.666	91	22052	0.357	ppbV	95
83) m+p-xylene	6.753	91	87411	1.841	ppbV	93
84) bromoform	0.000		0	N.D.		
85) styrene	6.931	104	14209	0.383	ppbV	96
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	6.984	91	37300	0.780	ppbV	99
96) 4-ethyl toluene	7.632	105	36324M6	0.570	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	55242	1.016	ppbV	99
99) 1,2,4-trimethylbenzene	7.896	105	133589	2.448	ppbV #	65
101) Benzyl Chloride	0.000		0	N.D.	d	
102) 1,3-dichlorobenzene	7.959		0	N.D.		
103) 1,4-dichlorobenzene	0.000		0	N.D.	d	
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	9.186		0	N.D.		
116) naphthalene	9.239	128	8451	0.094	ppbV #	88
119) hexachlorobutadiene	9.467		0	N.D.		

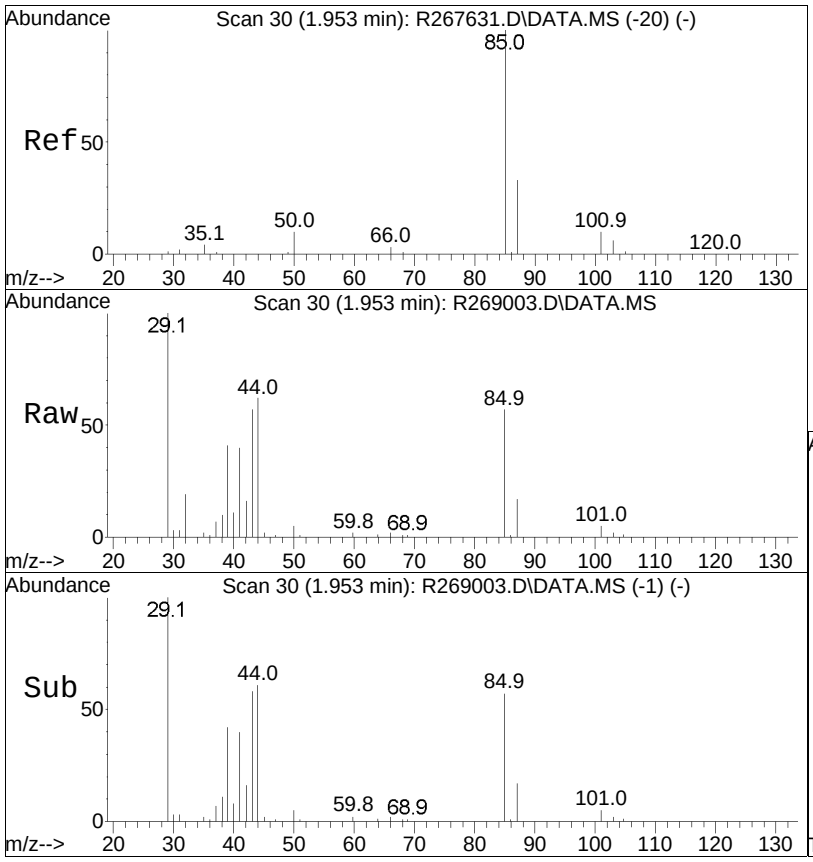
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269003.D
Acq On : 11 Mar 2026 09:07 pm
Operator : AIRLAB26:TPH
Sample : L2612752-02,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 07:01:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

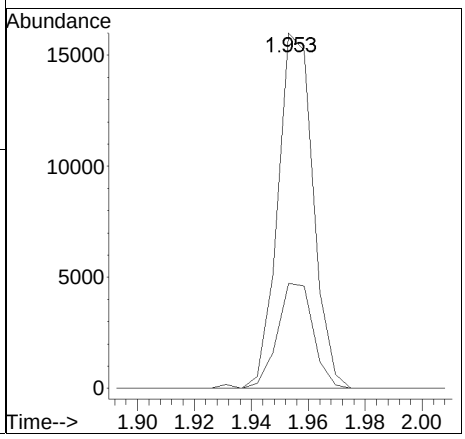


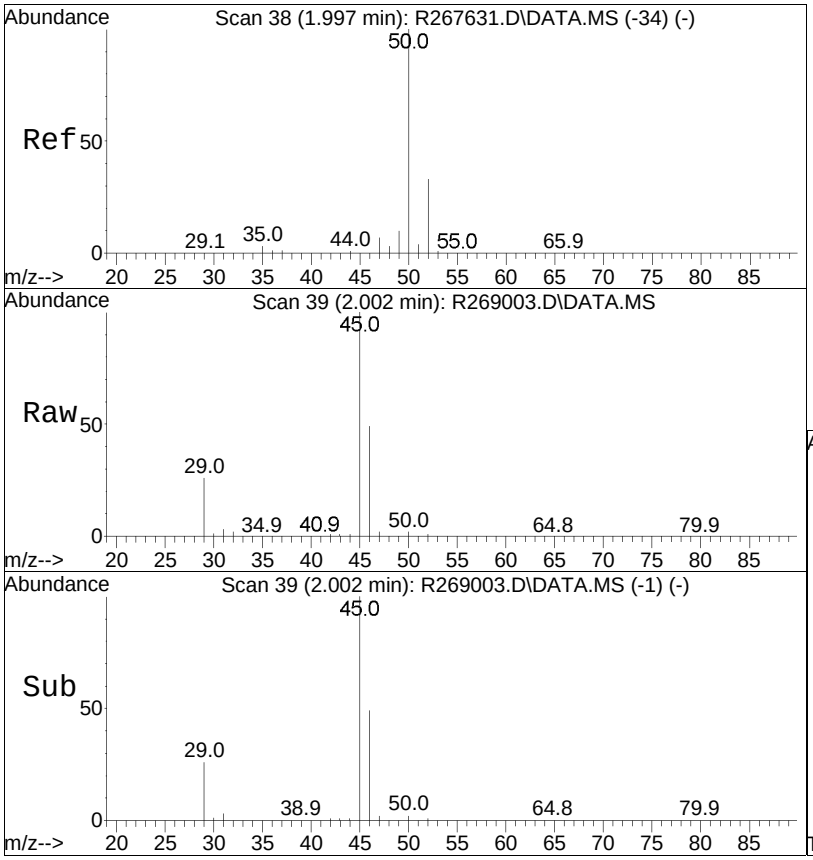


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 1.953 min Scan# 30
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 85 Resp: 13844

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.2	39.2

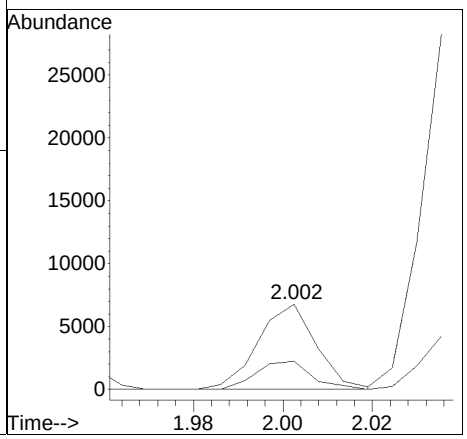


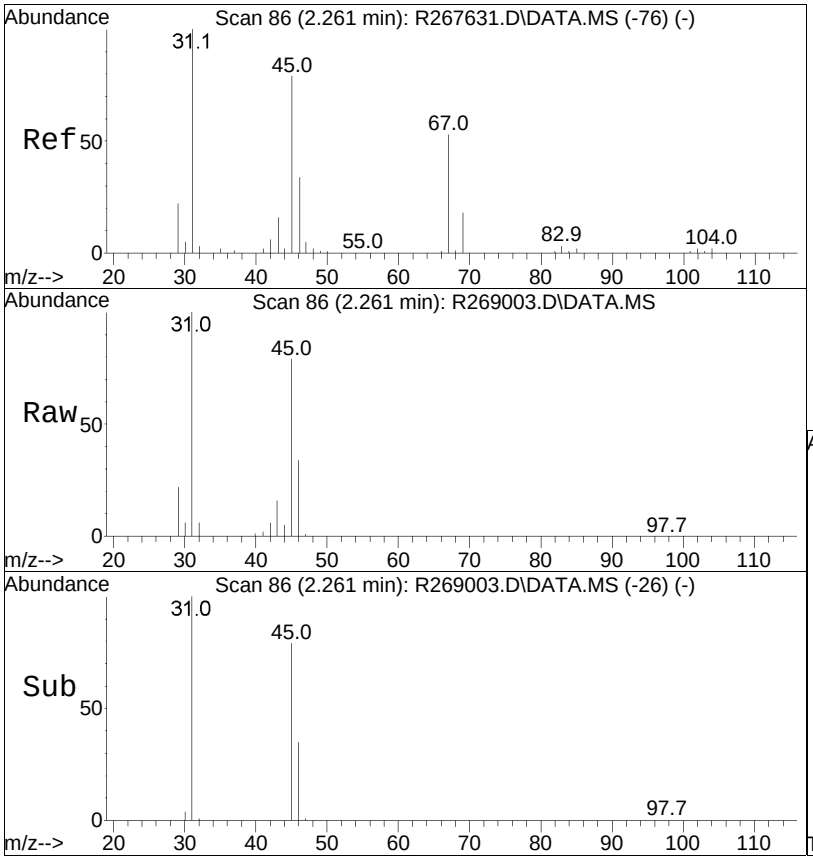


#6
chloromethane
Concen: 0.51 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 50 Resp: 6143

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.2	39.4

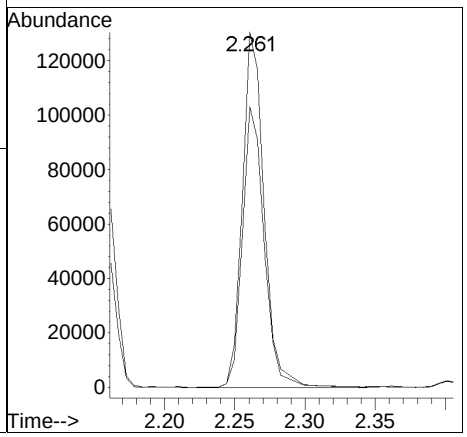


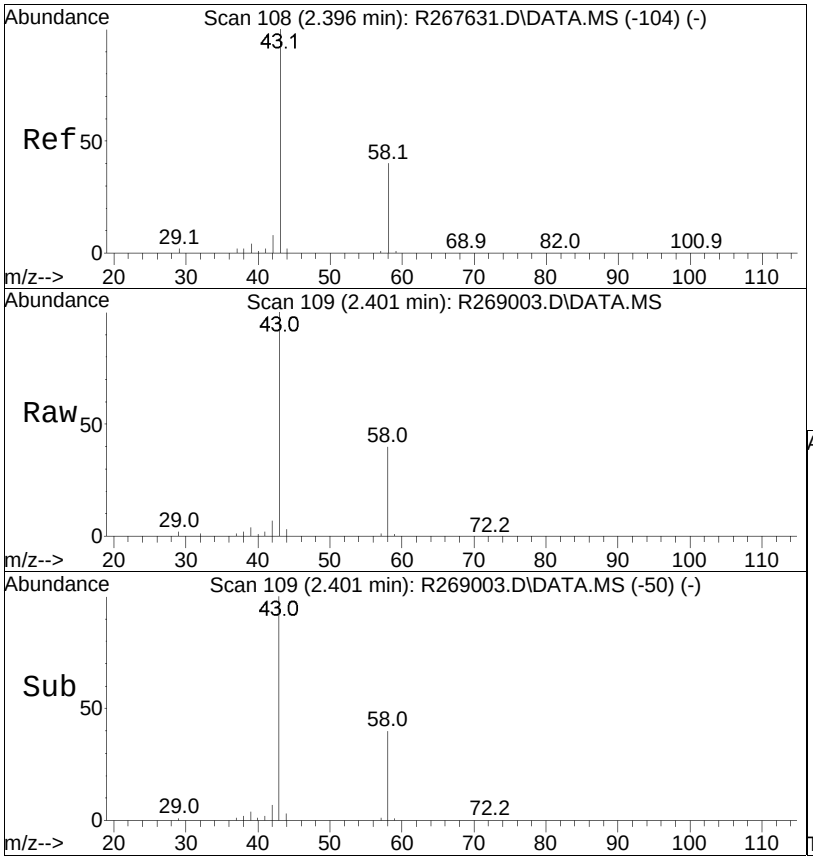


#15
ethanol
Concen: 24.55 ppbV
RT: 2.261 min Scan# 86
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 31 Resp: 153311

Ion	Ratio	Lower	Upper
31	100		
45	79.0	63.4	95.0

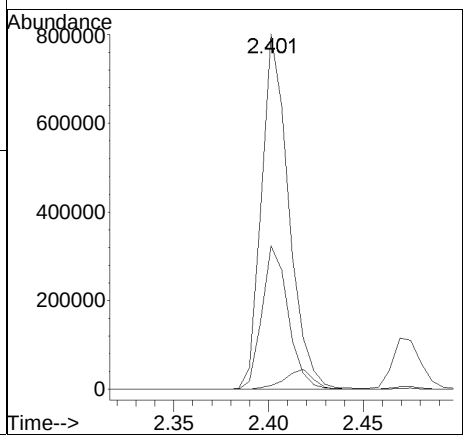


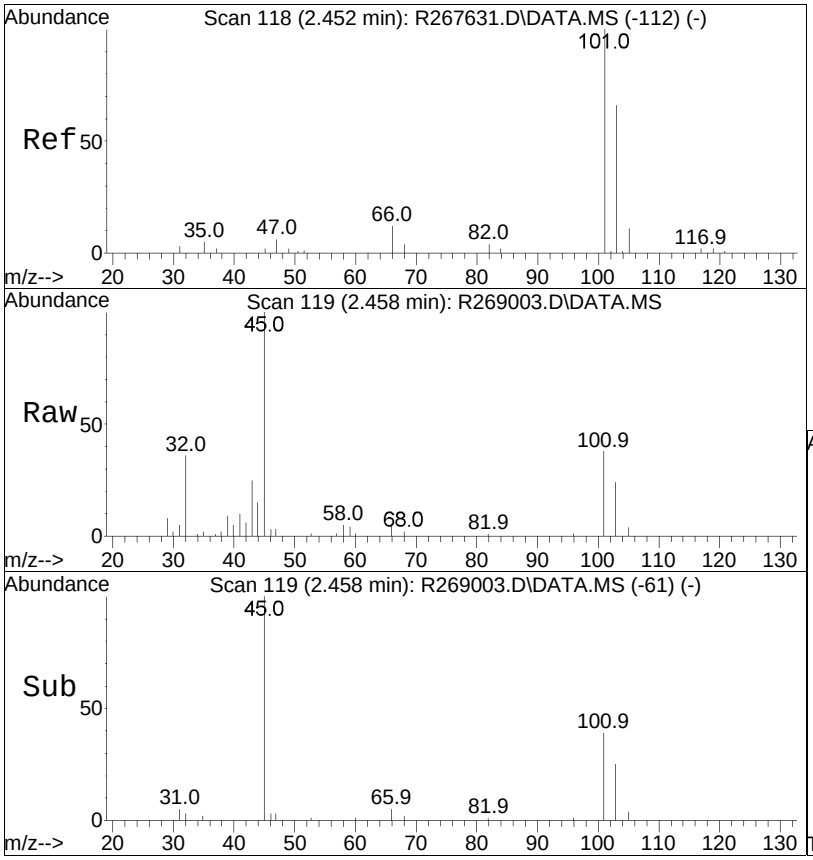


#19
acetone
Concen: 54.82 ppbV
RT: 2.401 min Scan# 109
Delta R.T. 0.006 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 43 Resp: 802808

Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.2
57	1.1	1.0	1.4

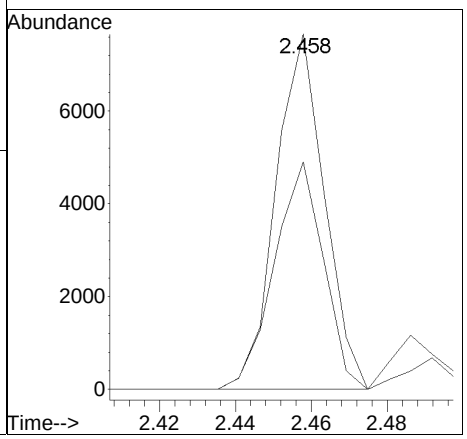


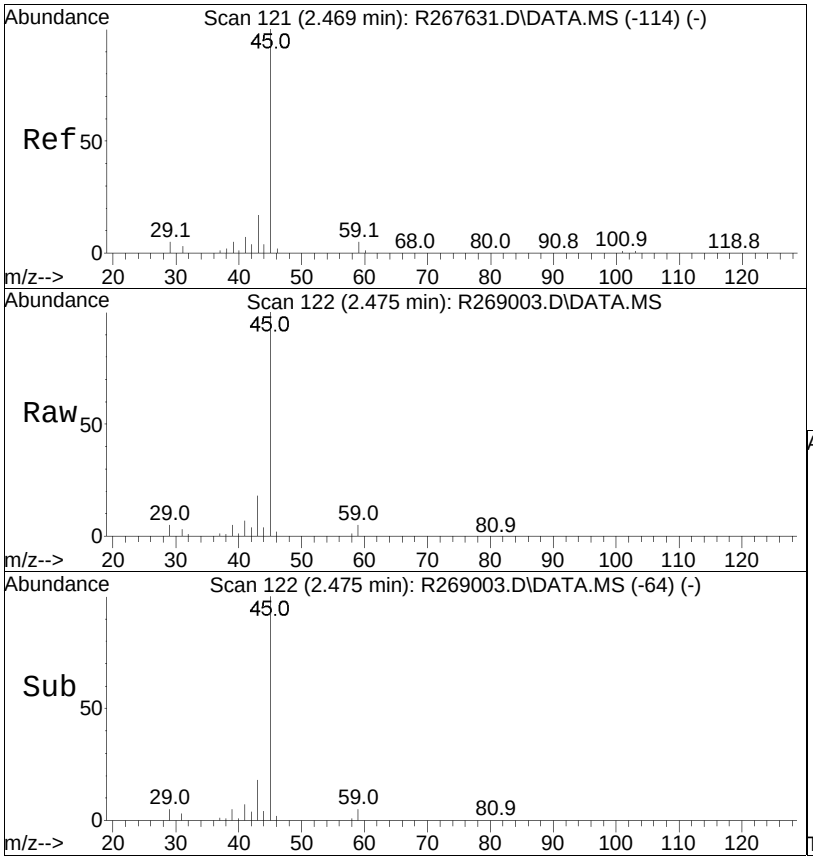


#21
trichlorofluoromethane
Concen: 0.23 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.006 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:101 Resp: 6829

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.6	78.8

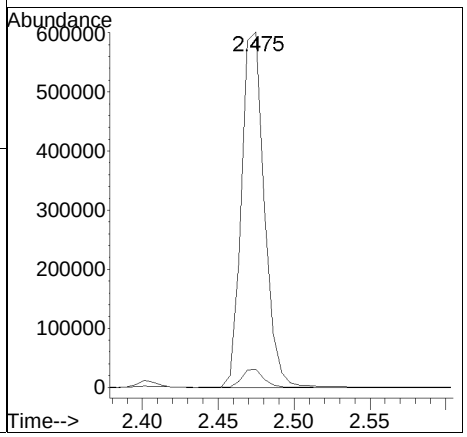


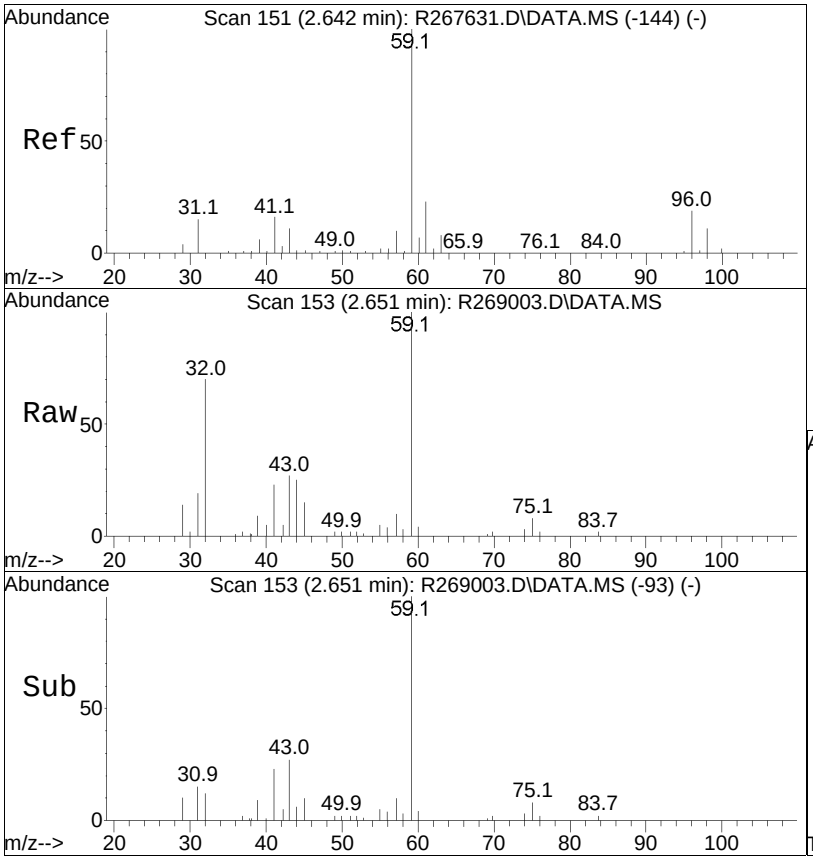


#22
isopropyl alcohol
Concen: 34.76 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.006 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 45 Resp: 632620

Ion	Ratio	Lower	Upper
45	100		
59	5.1	4.0	6.0

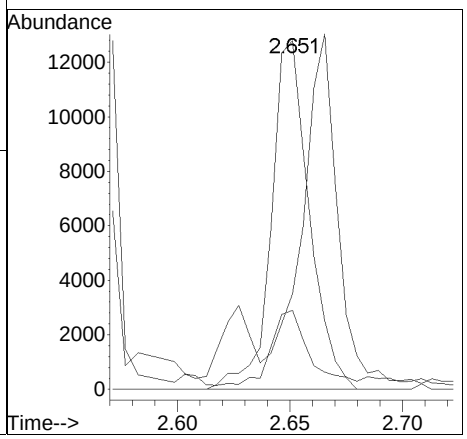


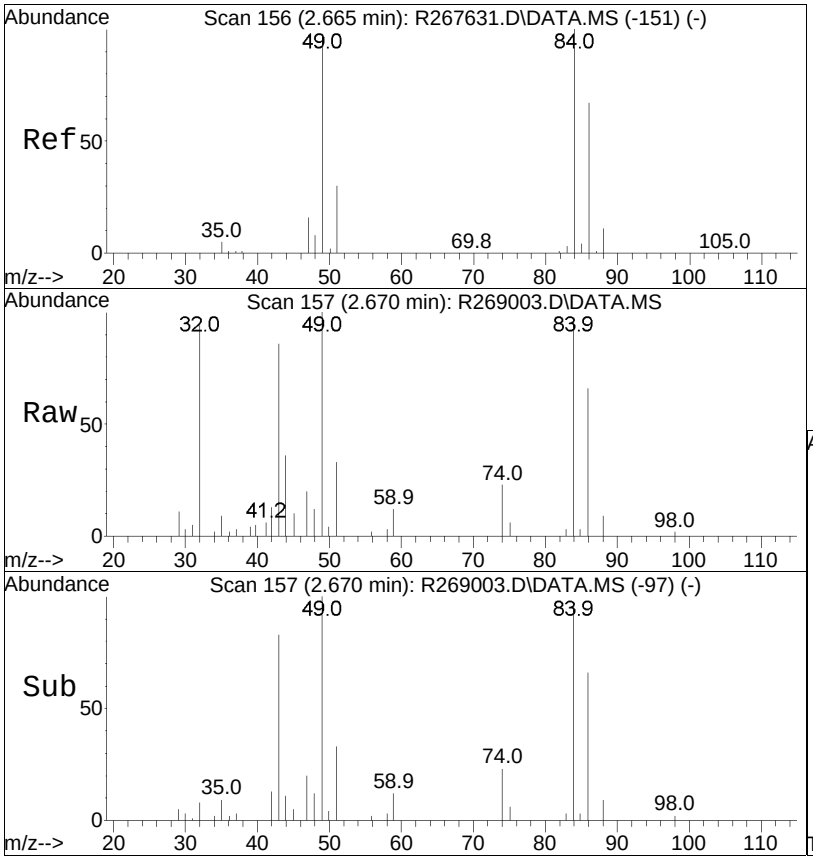


#27
tertiary butyl alcohol
Concen: 0.60 ppbV
RT: 2.651 min Scan# 153
Delta R.T. 0.010 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 59 Resp: 15024

Ion	Ratio	Lower	Upper
59	100		
41	22.7	13.1	19.7#
43	27.4	8.8	13.2#

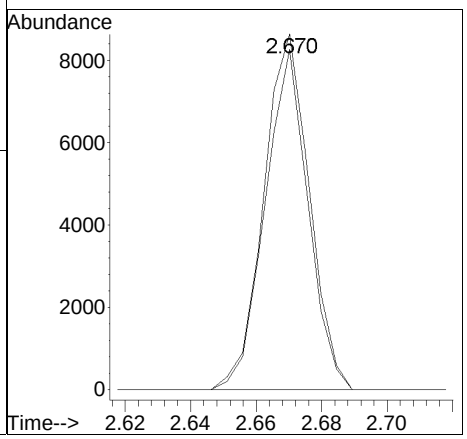


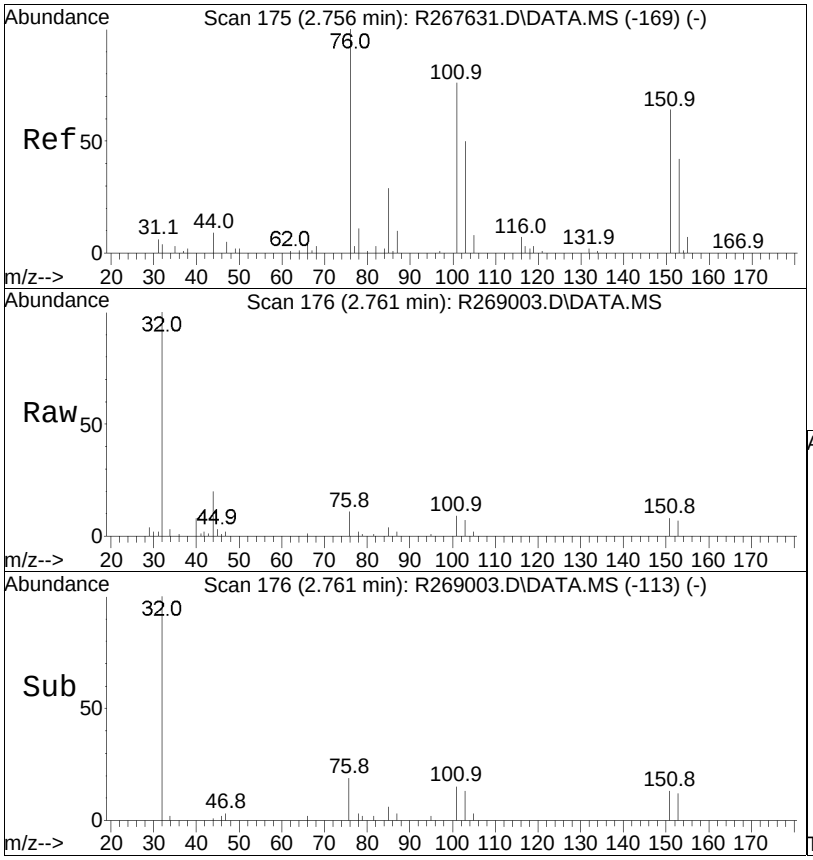


#28
methylene chloride
Concen: 0.68 ppbV
RT: 2.670 min Scan# 157
Delta R.T. 0.005 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 49 Resp: 8360

Ion	Ratio	Lower	Upper
49	100		
84	95.7	82.0	123.0

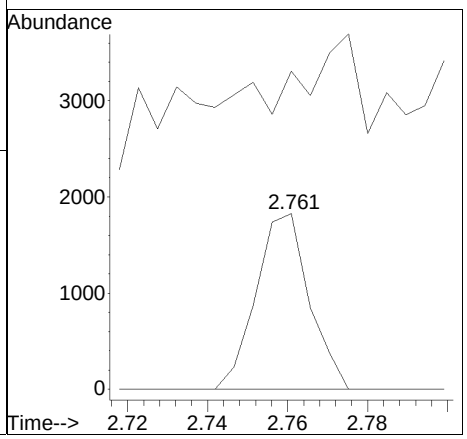


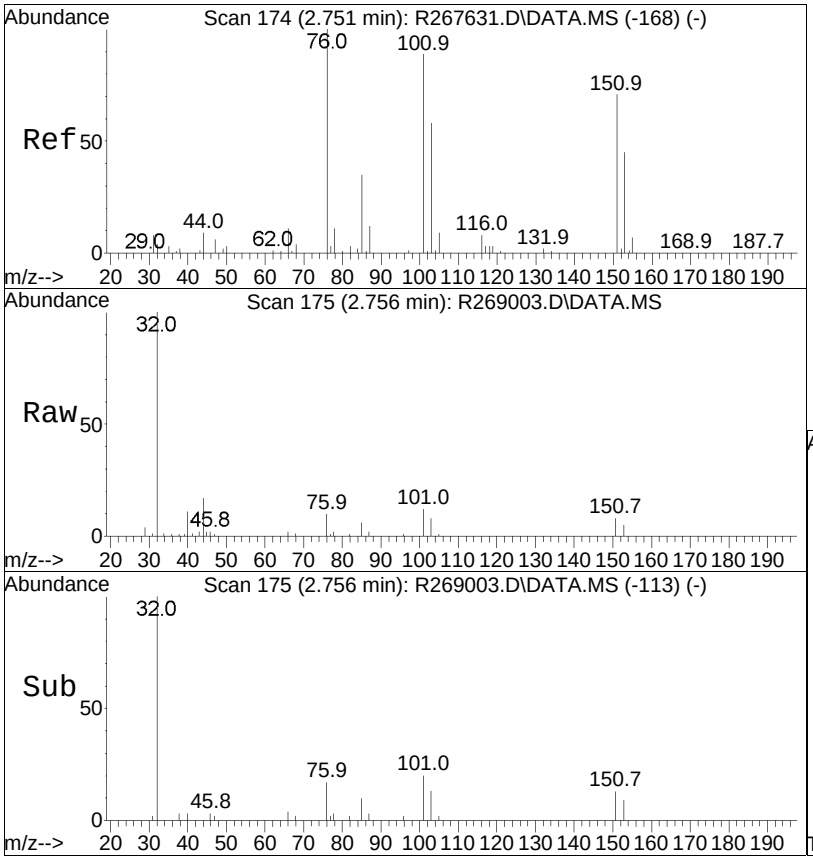


#30
carbon disulfide
Concen: 0.05 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.005 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 76 Resp: 1689

Ion	Ratio	Lower	Upper
76	100		
44	181.1	8.6	13.0#

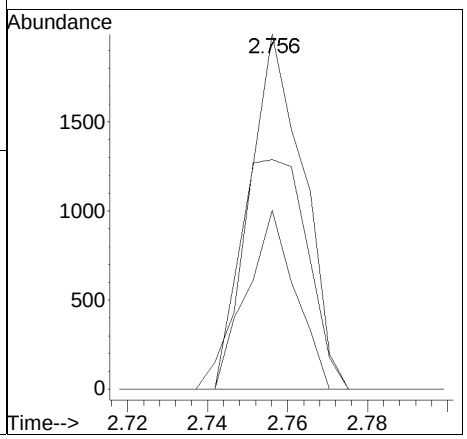


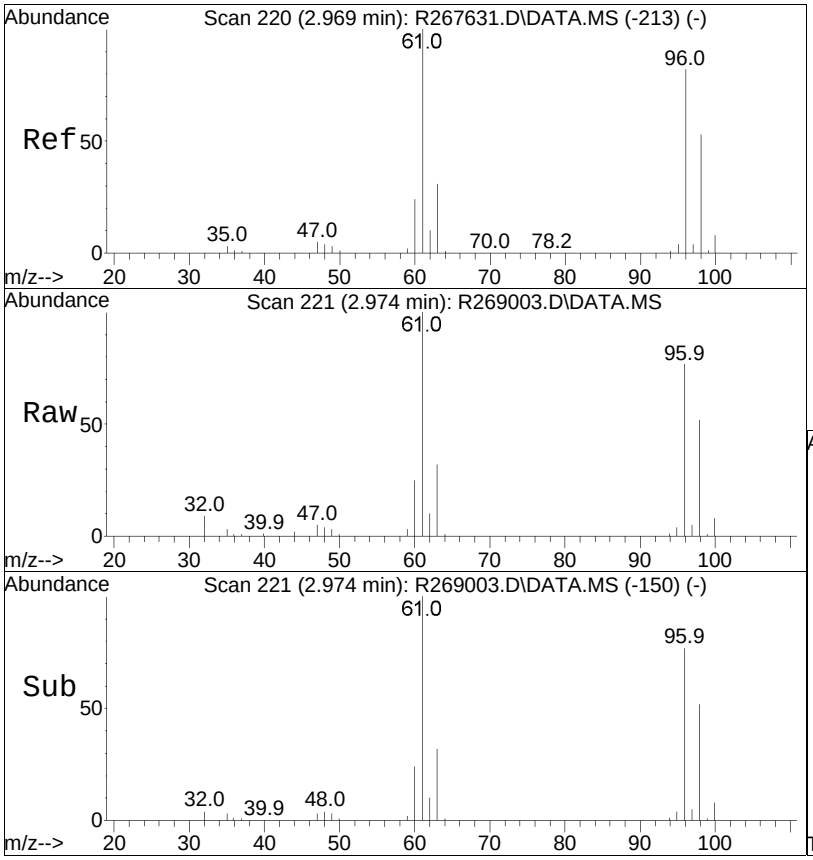


#31
Freon 113
Concen: 0.07 ppbV
RT: 2.756 min Scan# 175
Delta R.T. 0.005 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:101 Resp: 1896

Ion	Ratio	Lower	Upper
101	100		
85	50.4	32.0	48.0#
151	64.7	64.0	96.0

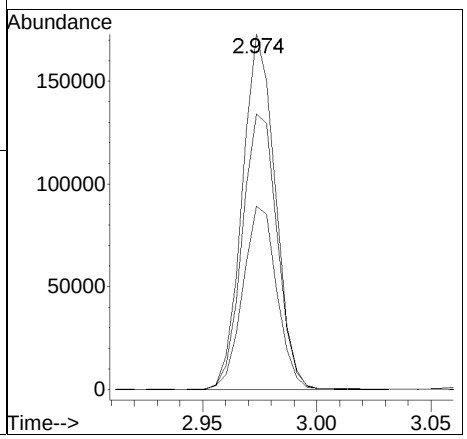


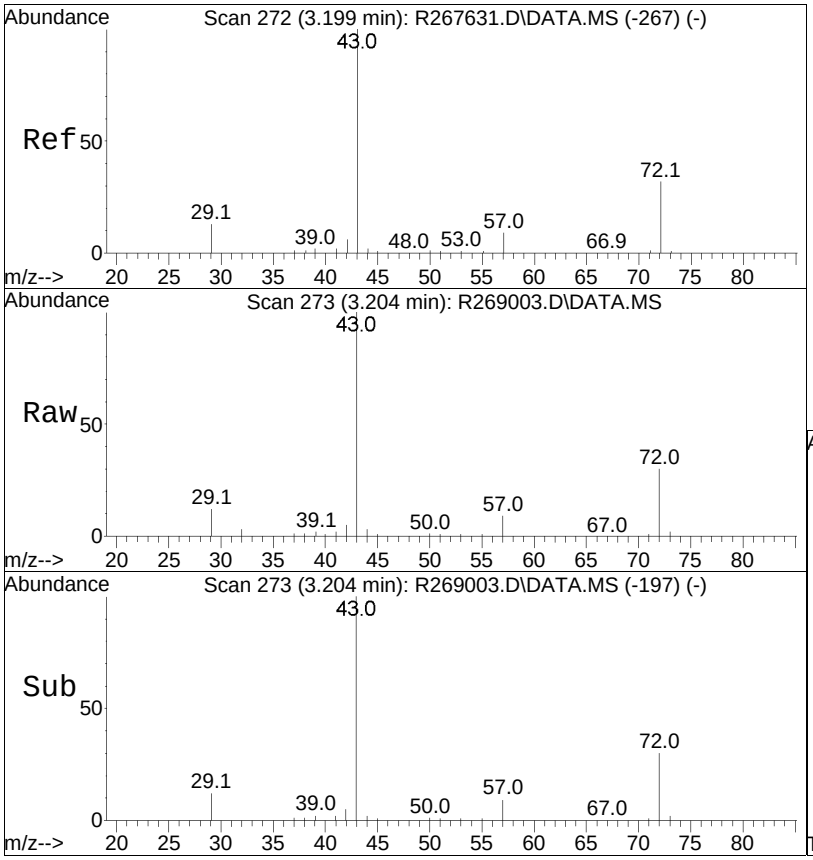


#32
trans-1,2-dichloroethene
Concen: 10.24 ppbV
RT: 2.974 min Scan# 221
Delta R.T. 0.004 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 61 Resp: 174295

Ion	Ratio	Lower	Upper
61	100		
96	77.4	65.8	98.6
98	51.6	42.4	63.6

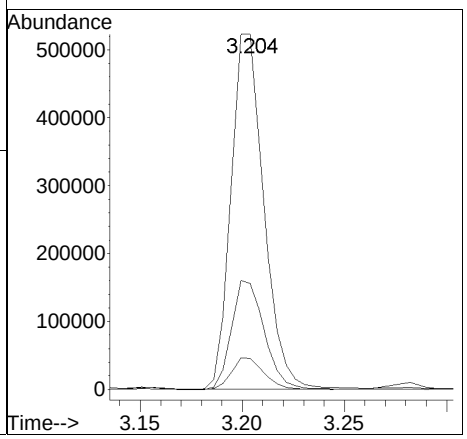


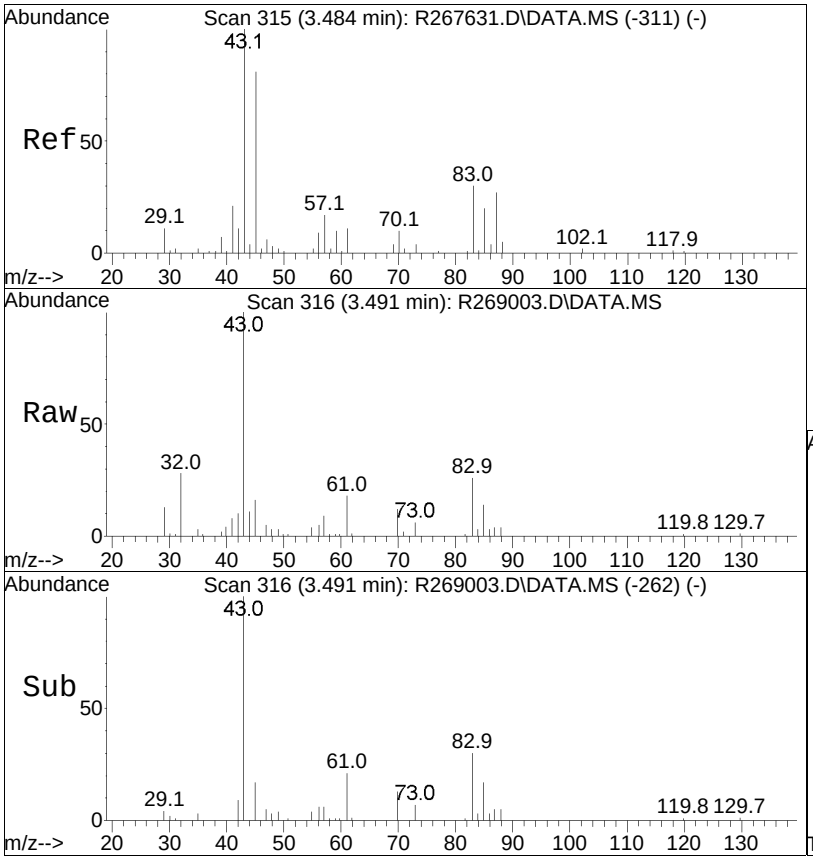


#36
2-butanone
Concen: 22.00 ppbV
RT: 3.204 min Scan# 273
Delta R.T. 0.004 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 43 Resp: 585552

Ion	Ratio	Lower	Upper
43	100		
72	29.8	25.1	37.7
57	8.7	7.4	11.2

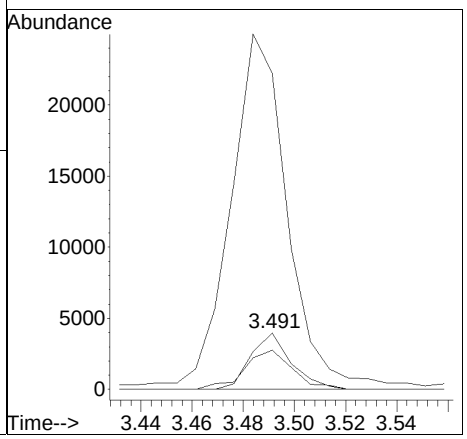


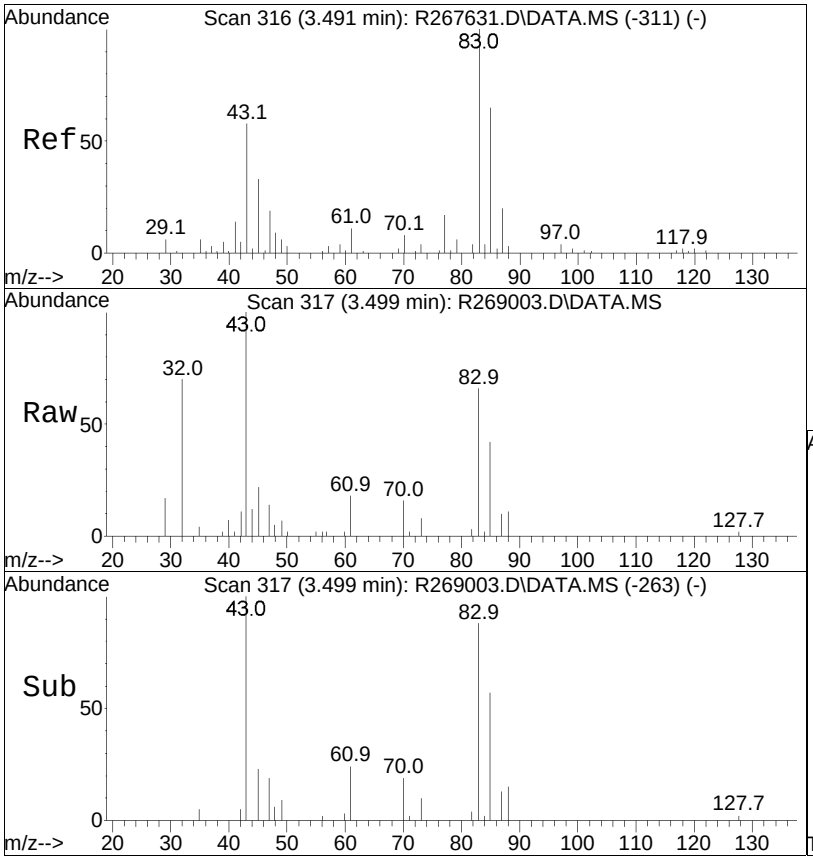


#38
Ethyl Acetate
Concen: 0.81 ppbV
RT: 3.491 min Scan# 316
Delta R.T. 0.007 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 61 Resp: 4390

Ion	Ratio	Lower	Upper
61	100		
70	69.5	73.9	110.9#
43	560.9	752.6	1128.8#

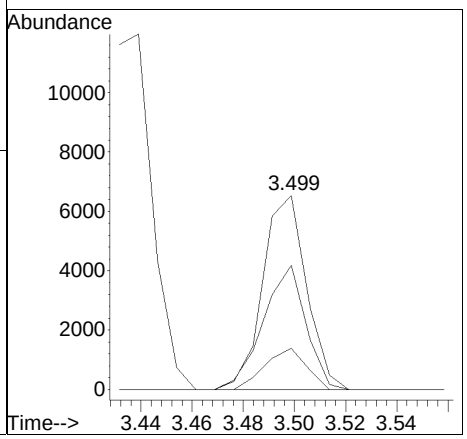


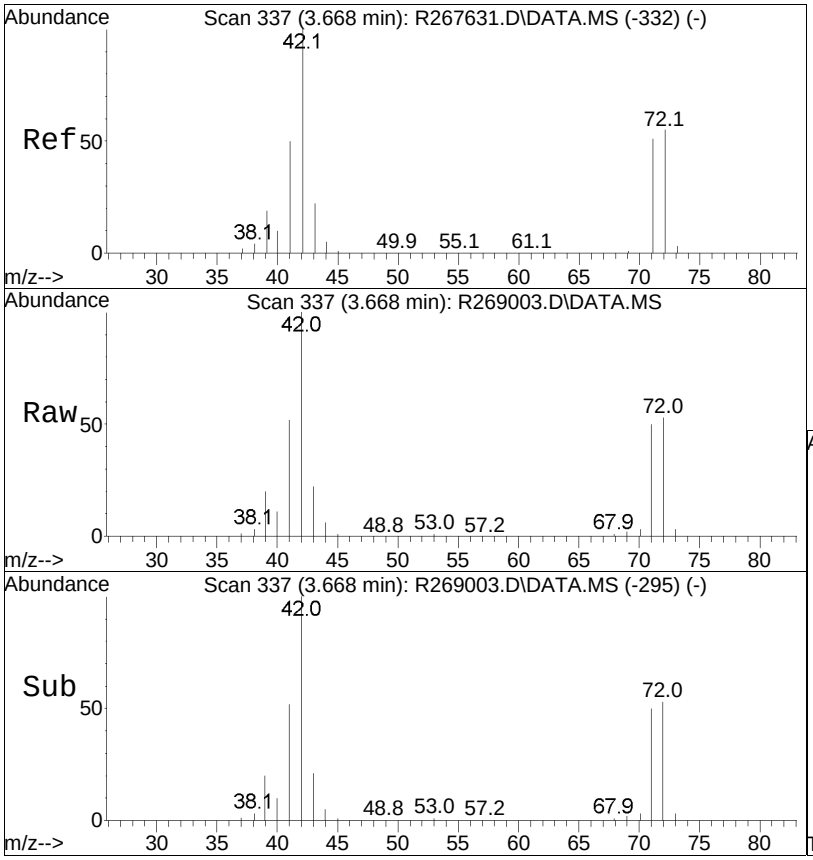


#39
chloroform
Concen: 0.28 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.007 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 83 Resp: 7760

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9
47	21.2	15.4	23.2

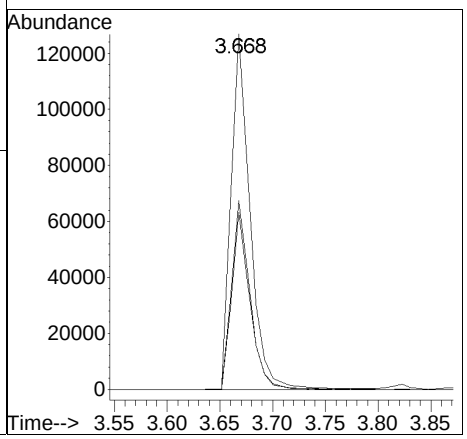


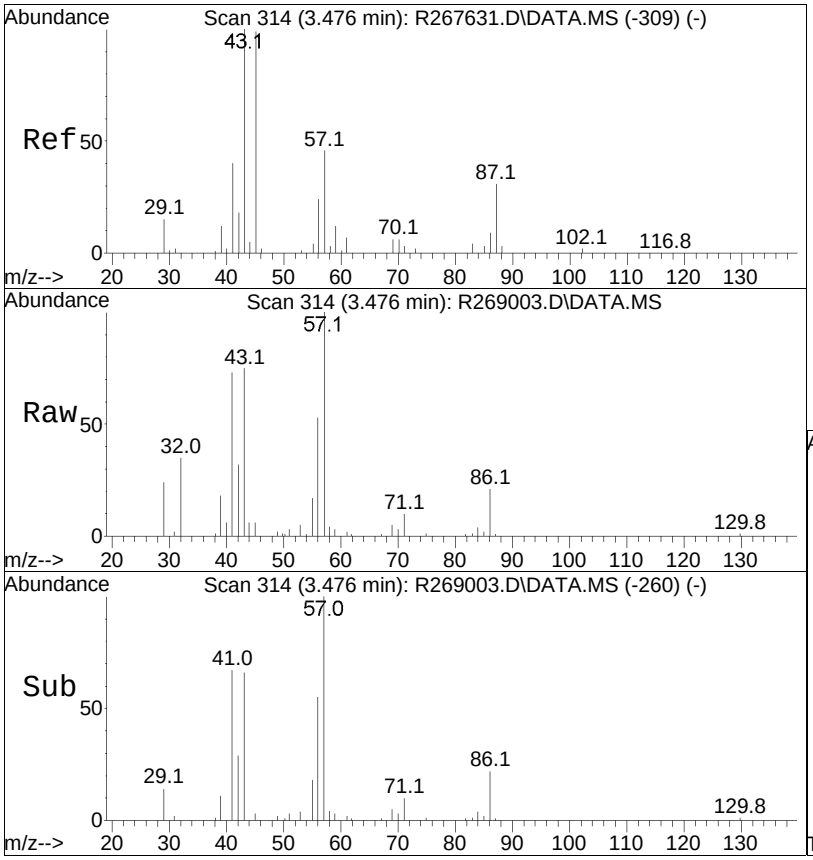


#40
Tetrahydrofuran
Concen: 13.72 ppbV
RT: 3.668 min Scan# 337
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 42 Resp: 158949

Ion	Ratio	Lower	Upper
42	100		
71	49.9	41.0	61.6
72	53.1	44.2	66.2

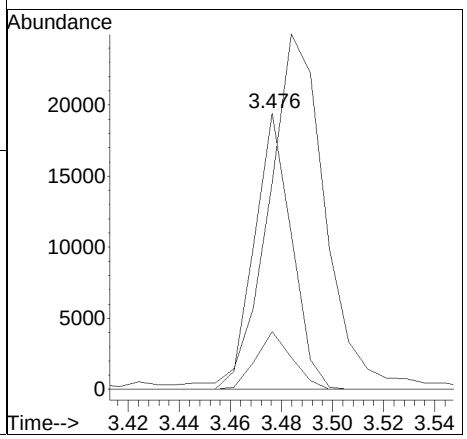


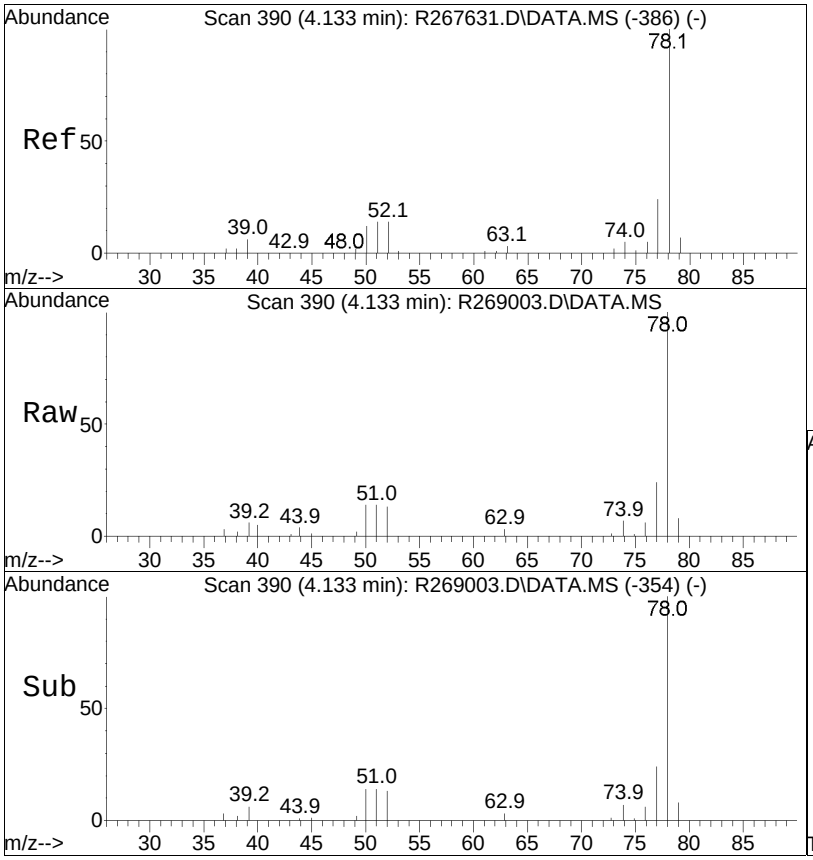


#44
hexane
Concen: 0.99 ppbV
RT: 3.476 min Scan# 314
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 57 Resp: 19640

Ion	Ratio	Lower	Upper
57	100		
43	74.8	175.4	263.0#
86	20.9	16.1	24.1

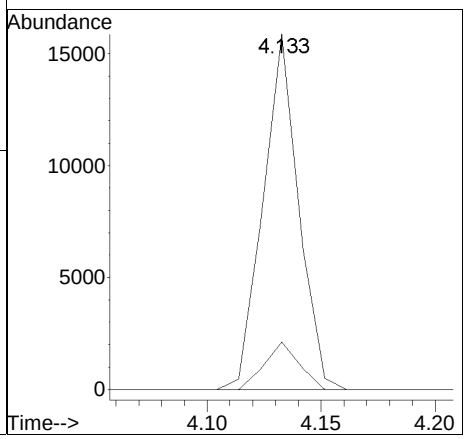


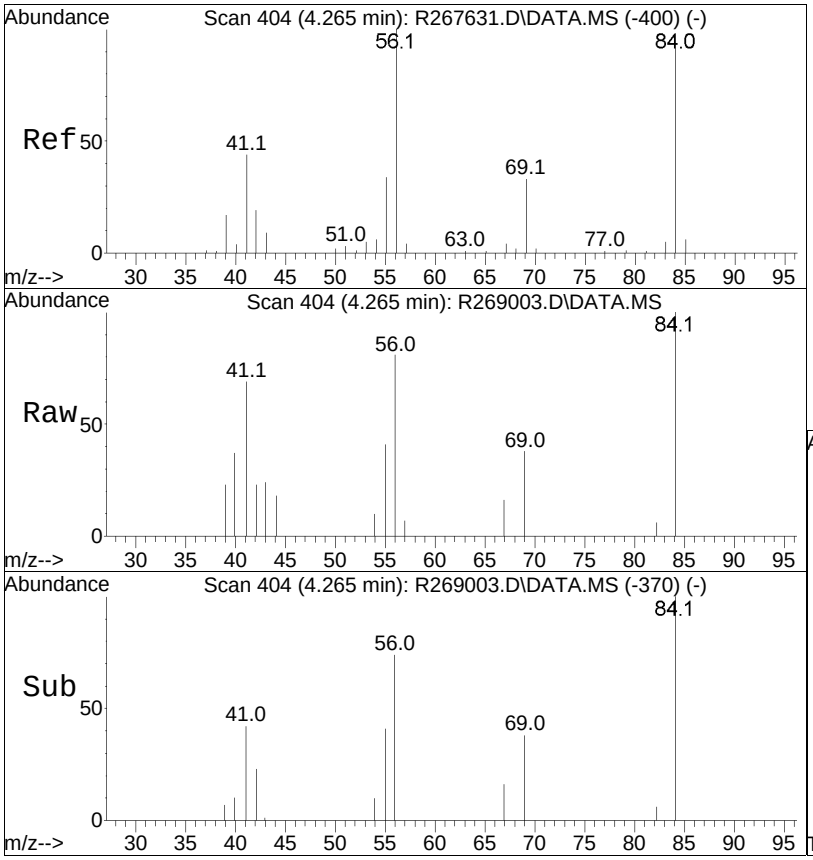


#50
benzene
Concen: 0.42 ppbV
RT: 4.133 min Scan# 390
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 78 Resp: 17182

Ion	Ratio	Lower	Upper
78	100		
52	13.3	11.3	16.9

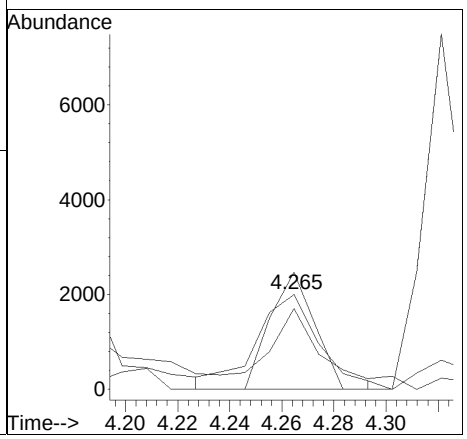


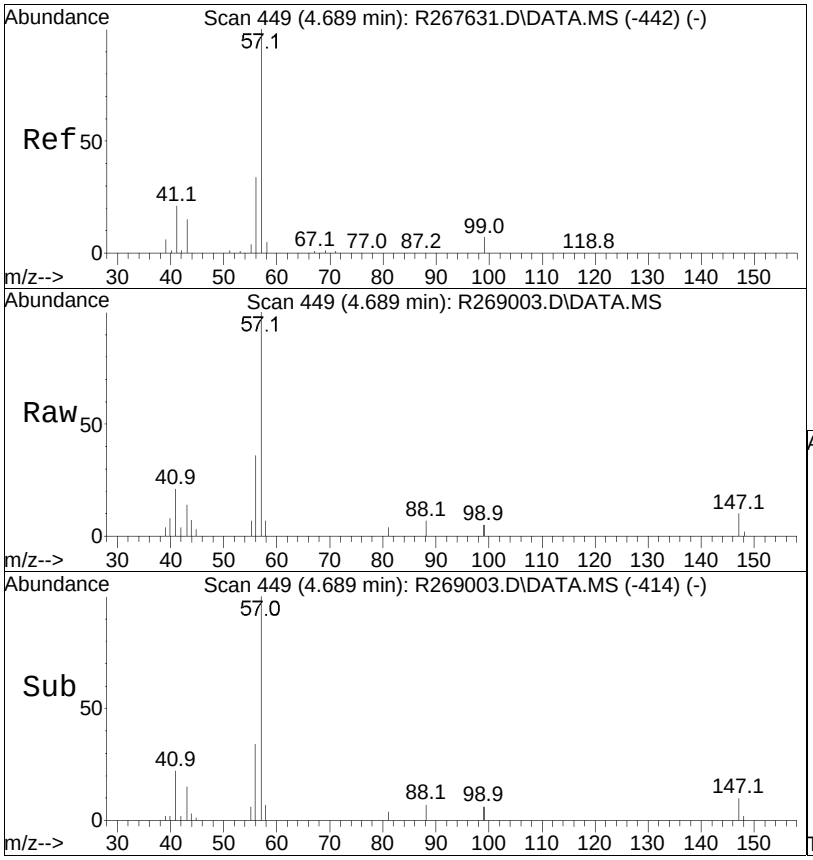


#53
cyclohexane
Concen: 0.18 ppbV
RT: 4.265 min Scan# 404
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 56 Resp: 3376

Ion	Ratio	Lower	Upper
56	100		
84	123.6	73.7	110.5#
41	85.2	35.0	52.4#

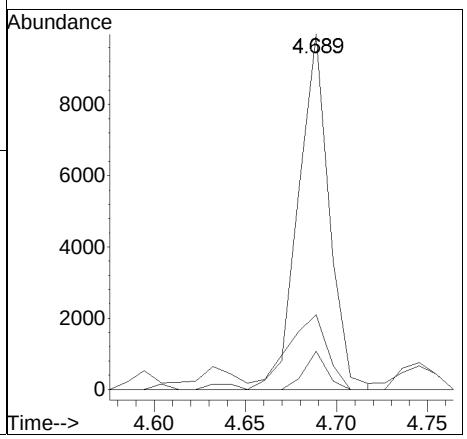


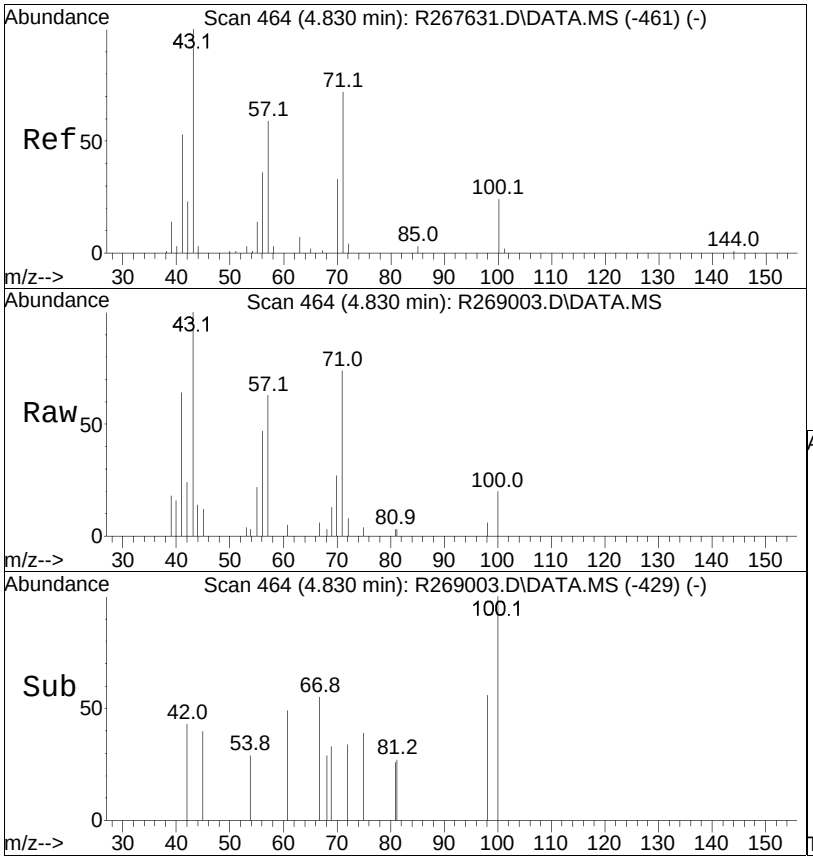


#60
2,2,4-trimethylpentane
Concen: 0.21 ppbV
RT: 4.689 min Scan# 449
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 57 Resp: 11897

Ion	Ratio	Lower	Upper
57	100		
99	10.8	5.4	8.2#
41	21.0	16.7	25.1

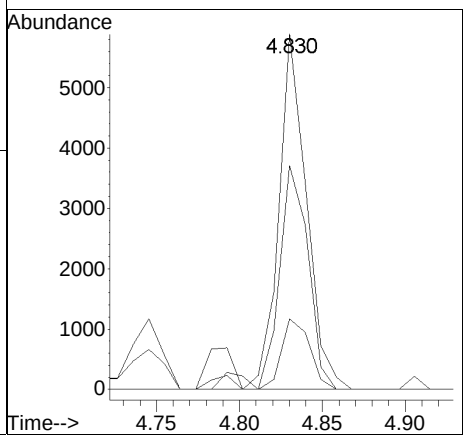


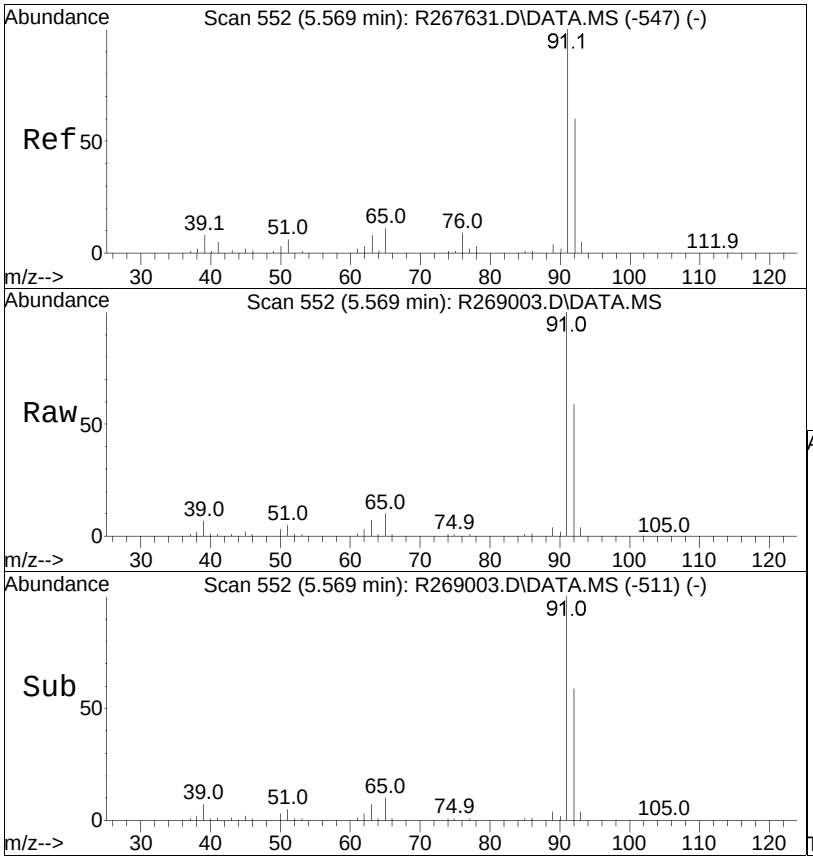


#62
heptane
Concen: 0.37 ppbV
RT: 4.830 min Scan# 464
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 43 Resp: 7059

Ion	Ratio	Lower	Upper
43	100		
57	63.0	47.2	70.8
100	19.8	19.8	29.8#

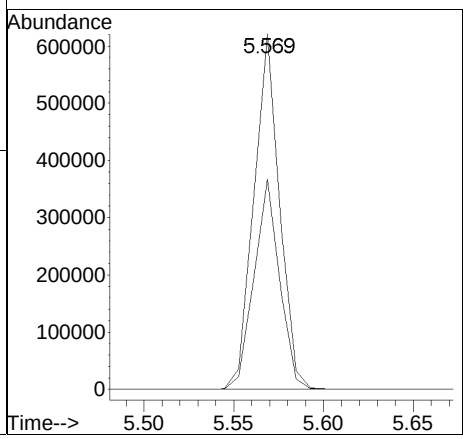


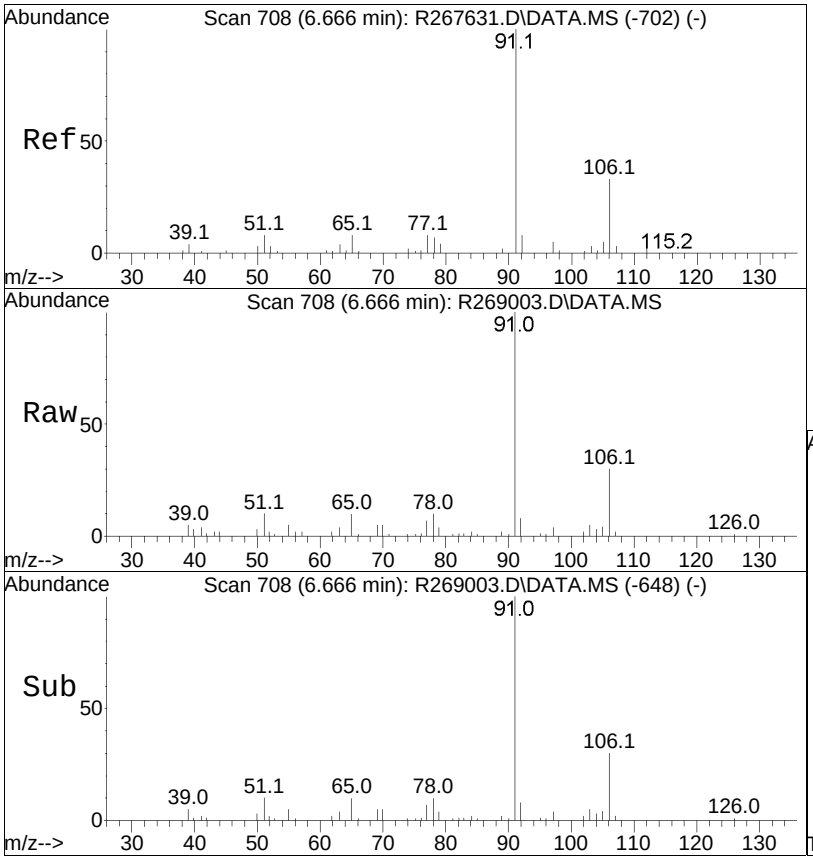


#68
toluene
Concen: 12.57 ppbV
RT: 5.569 min Scan# 552
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 91 Resp: 618132

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.3	72.5

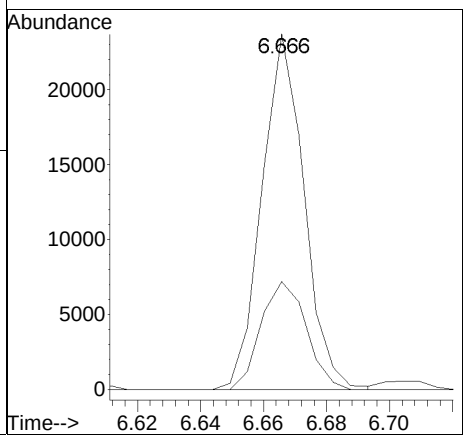


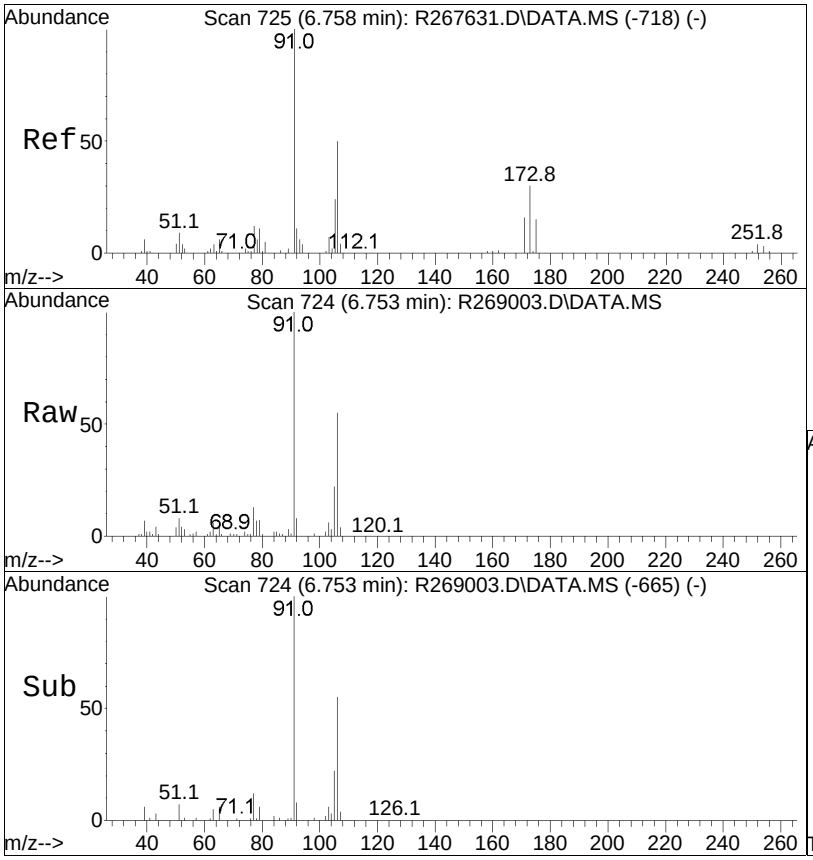


#81
ethylbenzene
Concen: 0.36 ppbV
RT: 6.666 min Scan# 708
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 91 Resp: 22052

Ion	Ratio	Lower	Upper
91	100		
106	30.3	26.3	39.5

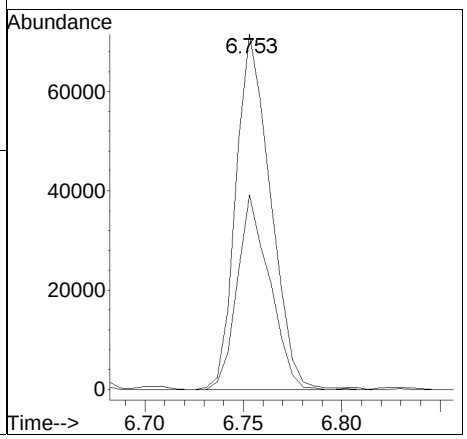


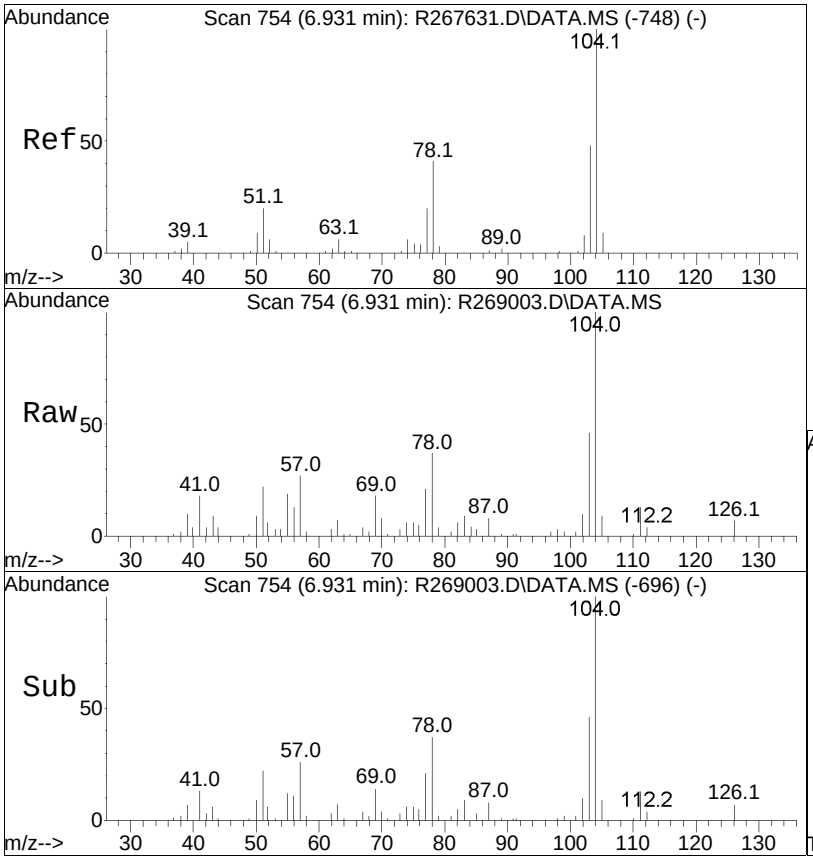


#83
m+p-xylene
Concen: 1.84 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.005 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 91 Resp: 87411

Ion	Ratio	Lower	Upper
91	100		
106	54.8	40.1	60.1

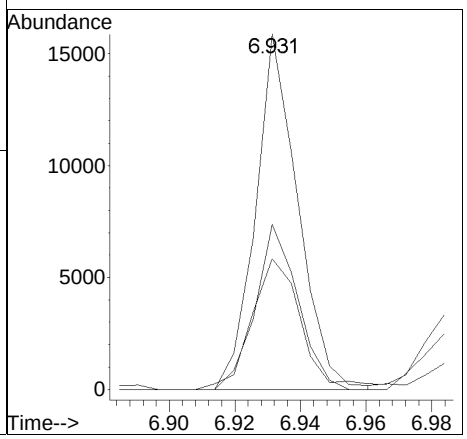


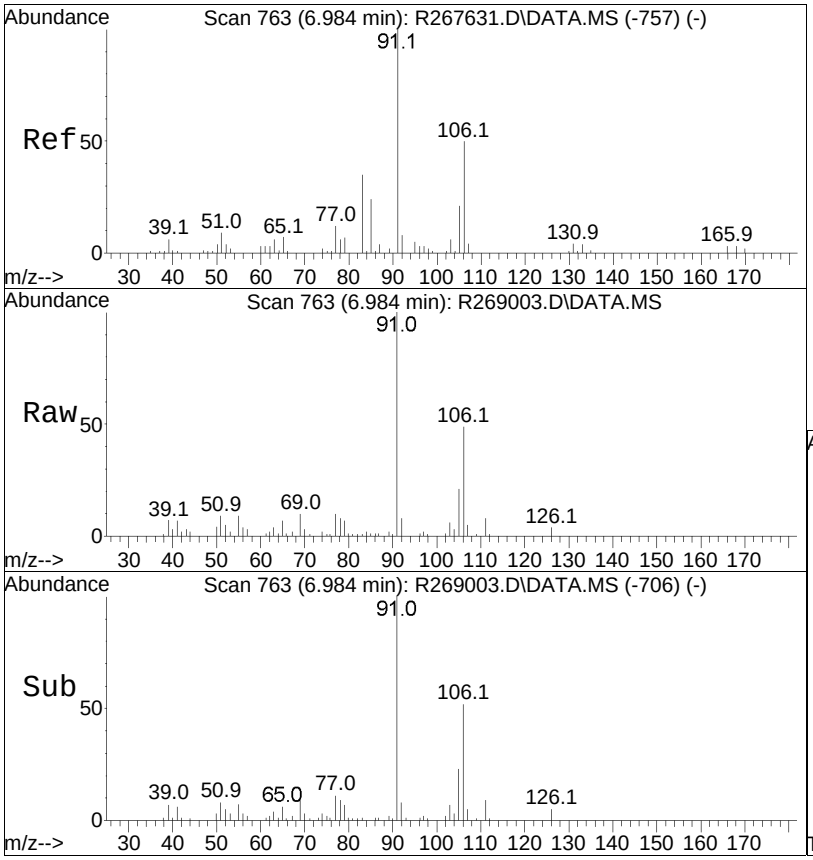


#85
styrene
Concen: 0.38 ppbV
RT: 6.931 min Scan# 754
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:104 Resp: 14209

Ion	Ratio	Lower	Upper
104	100		
103	46.5	38.6	57.8
78	36.8	32.5	48.7

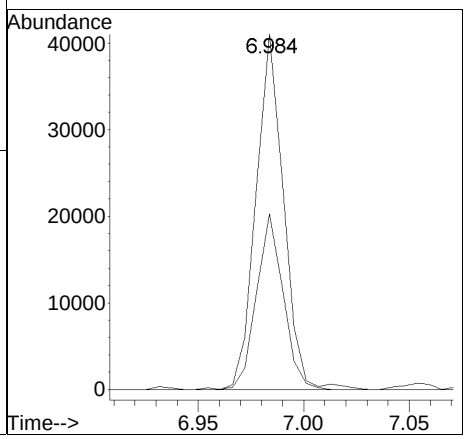


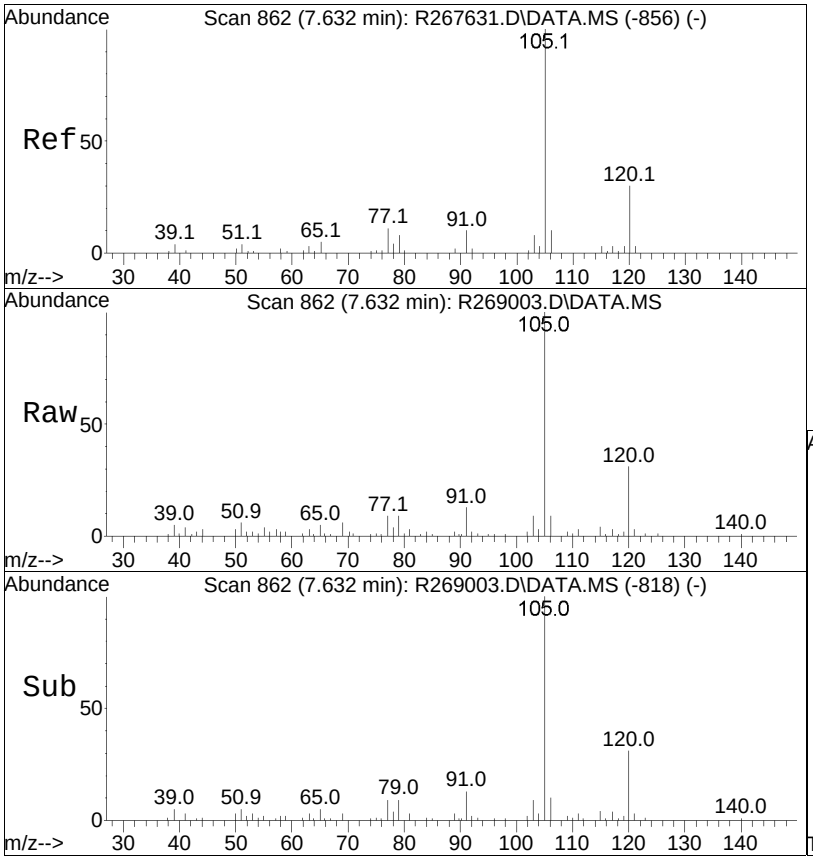


#87
o-xylene
Concen: 0.78 ppbV
RT: 6.984 min Scan# 763
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion: 91 Resp: 37300

Ion	Ratio	Lower	Upper
91	100		
106	49.4	40.2	60.2

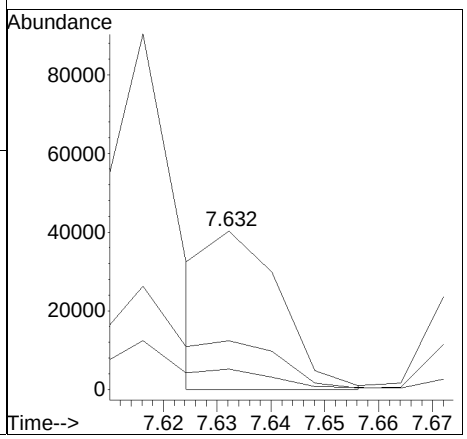


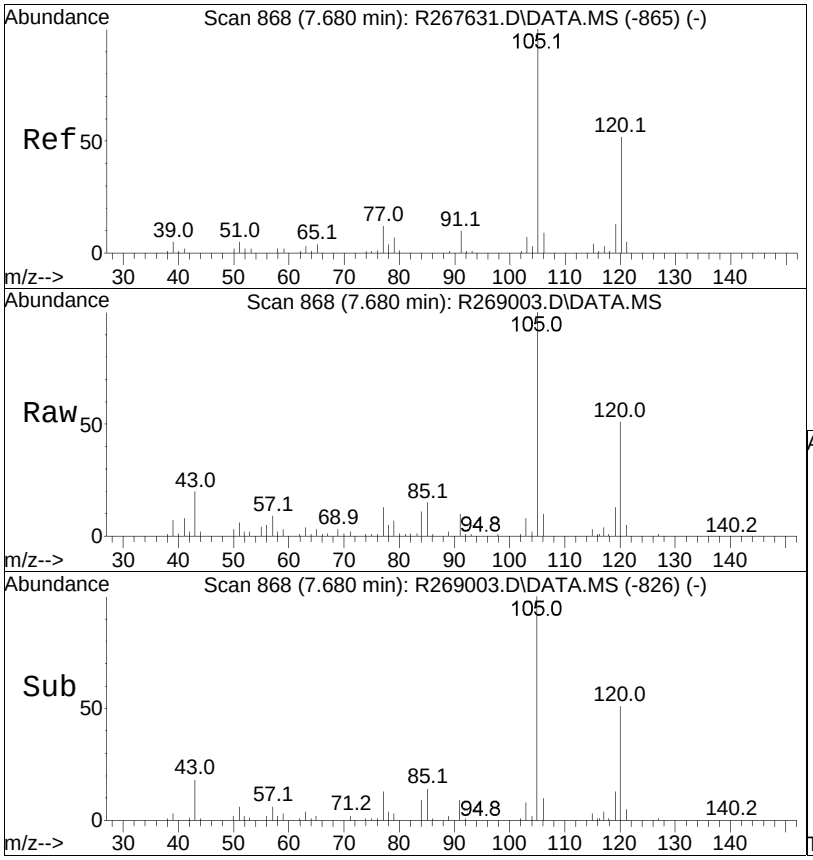


#96
4-ethyl toluene
Concen: 0.57 ppbV m
RT: 7.632 min Scan# 862
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:105 Resp: 36324

Ion	Ratio	Lower	Upper
105	100		
120	30.8	24.3	36.5
91	12.8	8.3	12.5#

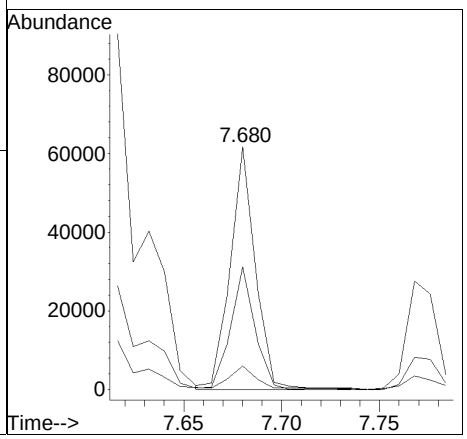


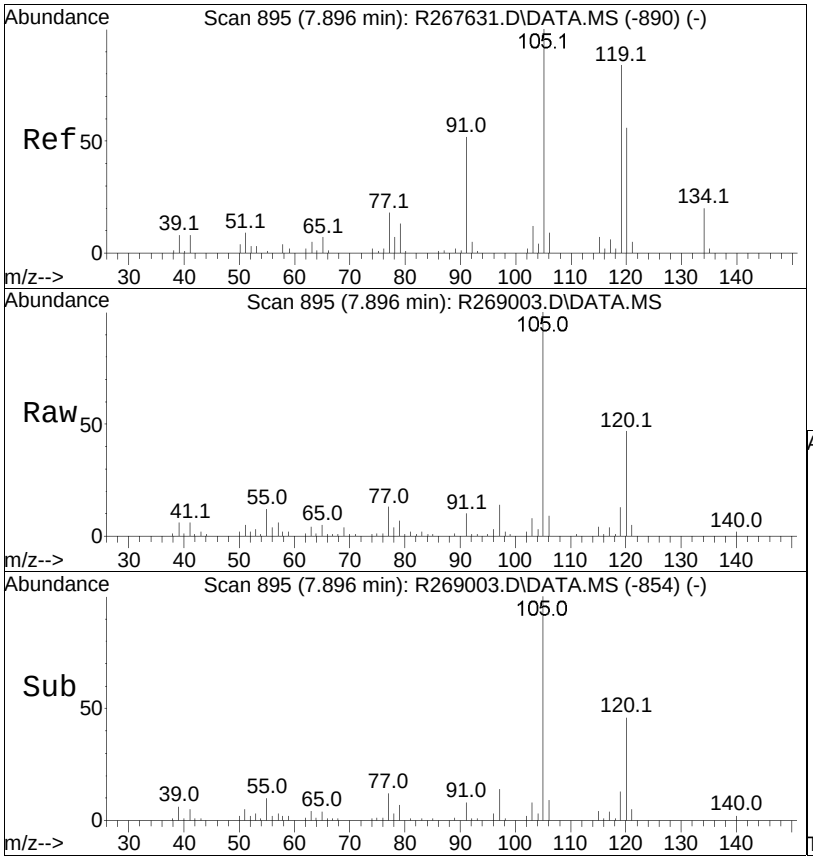


#97
1,3,5-trimethylbenzene
Concen: 1.02 ppbV
RT: 7.680 min Scan# 868
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:105 Resp: 55242

Ion	Ratio	Lower	Upper
105	100		
120	50.5	41.4	62.0
91	9.7	7.7	11.5

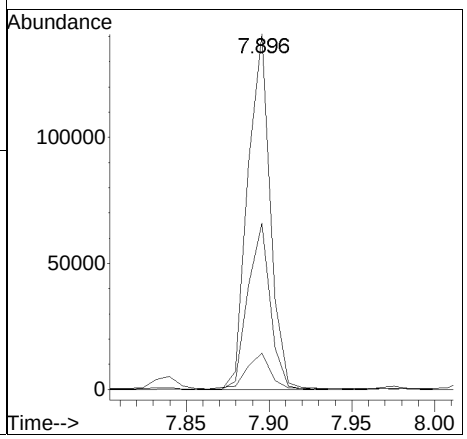


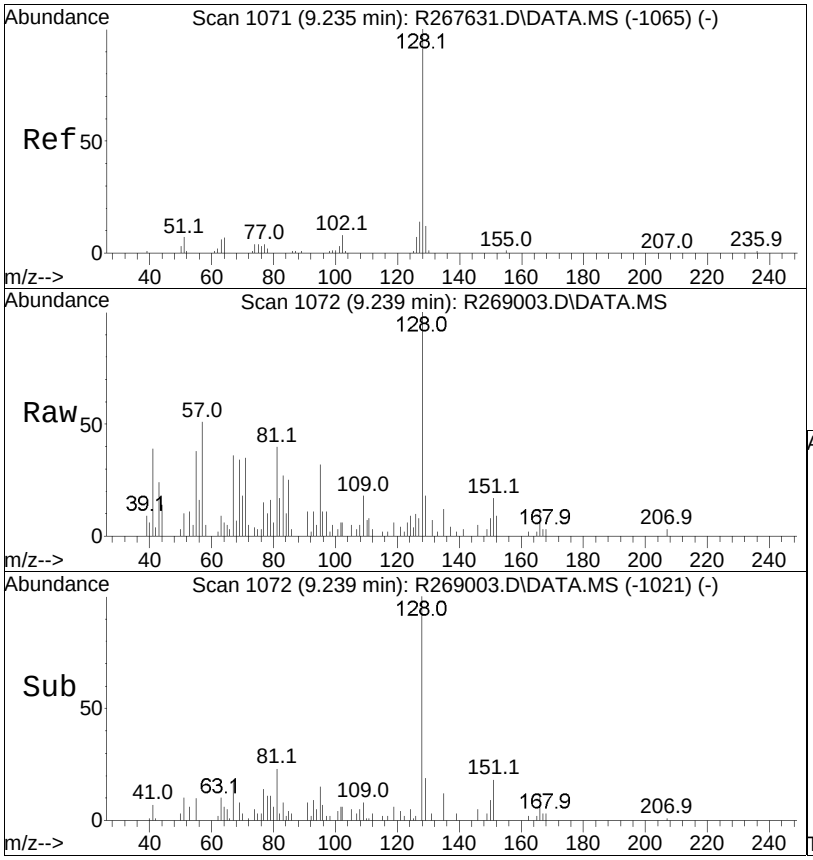


#99
1,2,4-trimethylbenzene
Concen: 2.45 ppbV
RT: 7.896 min Scan# 895
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:105 Resp: 133589

Ion	Ratio	Lower	Upper
105	100		
120	46.8	44.4	66.6
91	10.2	41.9	62.9#

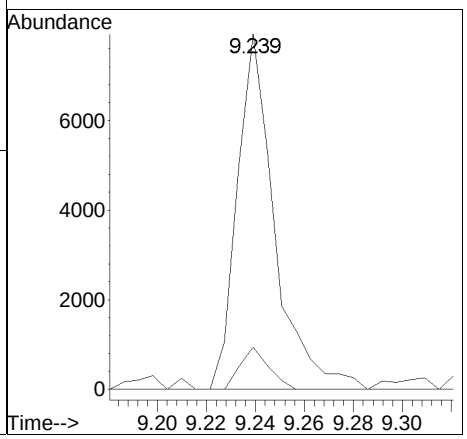




#116
naphthalene
Concen: 0.09 ppbV
RT: 9.239 min Scan# 1072
Delta R.T. 0.004 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:128 Resp: 8451

Ion	Ratio	Lower	Upper
128	100		
102	11.9	6.2	9.2#

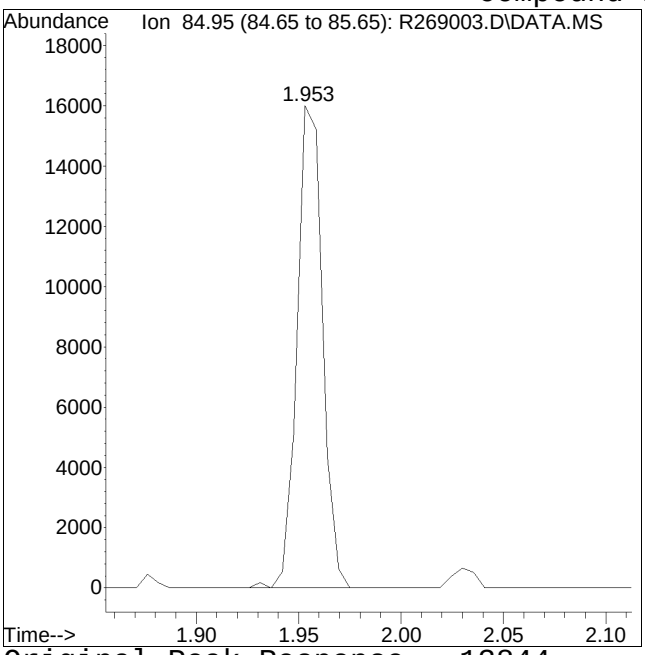


Manual Integration Report

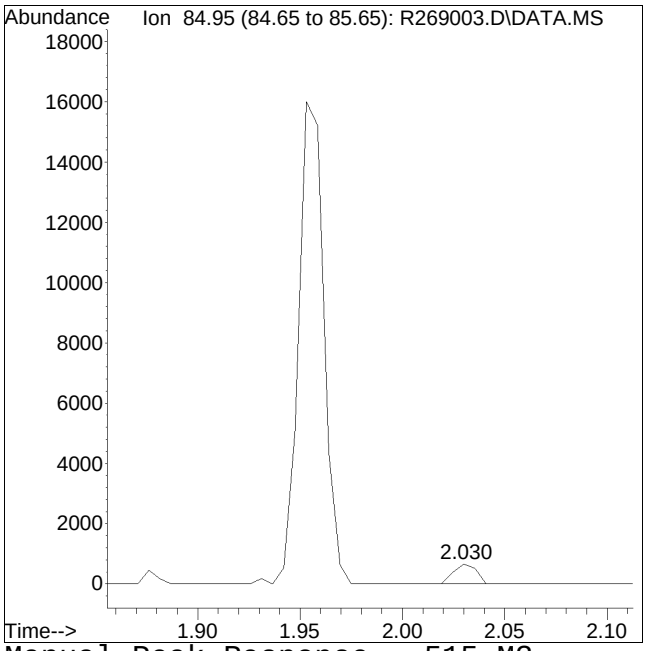
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269003.D
Date Inj'd : 3/11/2026 9:07 pm
Sample : L2612752-02,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:01 am

Compound #7: Freon-114



Original Peak Response = 13844



Manual Peak Response = 515 M3

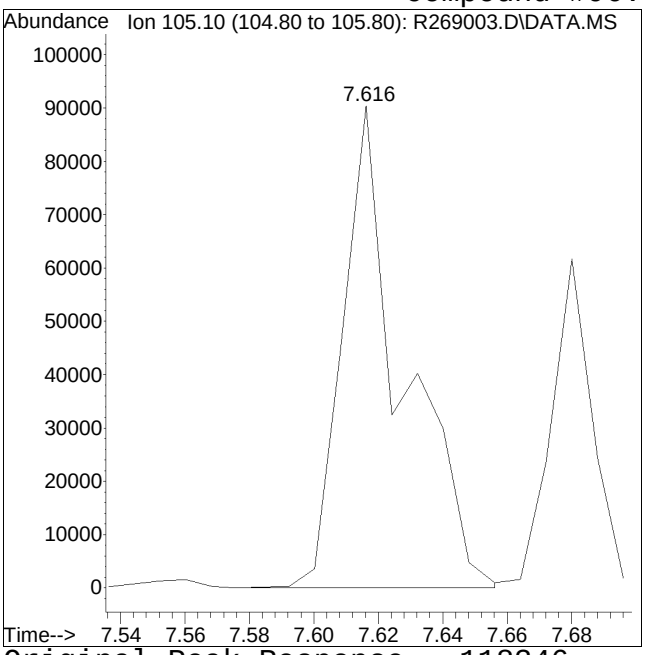
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

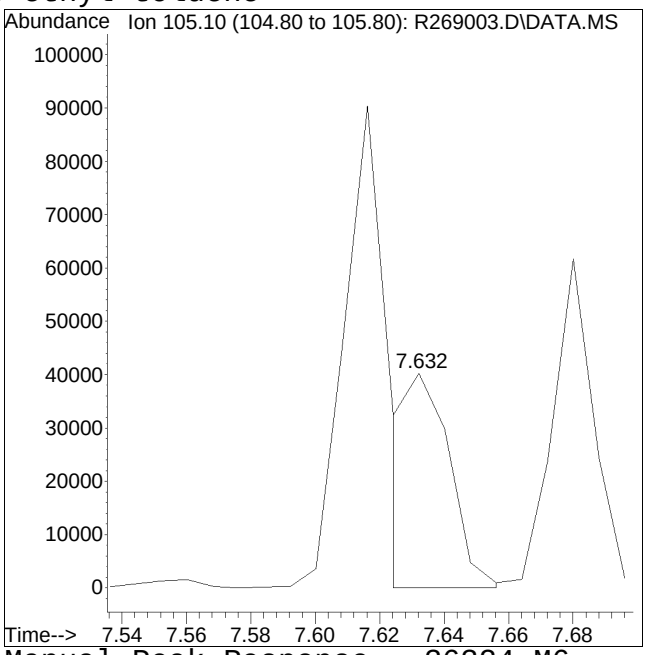
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269003.D
Date Inj'd : 3/11/2026 9:07 pm
Sample : L2612752-02,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:01 am

Compound #96: 4-ethyl toluene



Original Peak Response = 118346



Manual Peak Response = 36324 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269004.D
Acq On : 11 Mar 2026 09:39 pm
Operator : AIRLAB26:TPH
Sample : L2612752-03,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 07:01:56 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	151043	10.000	ppbV	0.00
Standard Area = 155717			Recovery =	97.00%		
43) 1,4-difluorobenzene	4.321	114	501069	10.000	ppbV	0.00
Standard Area = 520424			Recovery =	96.28%		
67) chlorobenzene-D5	6.442	54	70894	10.000	ppbV	0.00
Standard Area = 71975			Recovery =	98.50%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.958	85	15096	0.508	ppbV	94
6) chloromethane	2.002	50	6348	0.584	ppbV	93
7) Freon-114	2.035		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.	d	
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.266	31	305730	54.091	ppbV	94
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.407	43	1182568M6	89.244	ppbV	
21) trichlorofluoromethane	2.458	101	6532	0.238	ppbV	95
22) isopropyl alcohol	2.475	45	117460	7.132	ppbV	100
27) tertiary butyl alcohol	2.651	59	19295	0.852	ppbV #	80
28) methylene chloride	2.670	49	17920	1.609	ppbV	95
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.761	76	24954	0.781	ppbV #	57
31) Freon 113	2.756	101	1966	0.080	ppbV	95
32) trans-1,2-dichloroethene	2.973	61	132763	8.615	ppbV	97
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	0.000		0	N.D.	d	
36) 2-butanone	3.199	43	767964	31.890	ppbV	99
38) Ethyl Acetate	3.491	61	9024	1.849	ppbV #	15
39) chloroform	3.499	83	12503	0.495	ppbV	99
40) Tetrahydrofuran	3.668	42	223582	21.319	ppbV	98
42) 1,2-dichloroethane	3.806	62	452	0.030	ppbV #	47
44) hexane	3.476	57	10646	0.520	ppbV #	49
50) benzene	4.132	78	21132	0.497	ppbV	98
53) cyclohexane	4.264	56	5424	0.279	ppbV	84
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269004.D
Acq On : 11 Mar 2026 09:39 pm
Operator : AIRLAB26:TPH
Sample : L2612752-03,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 07:01:56 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

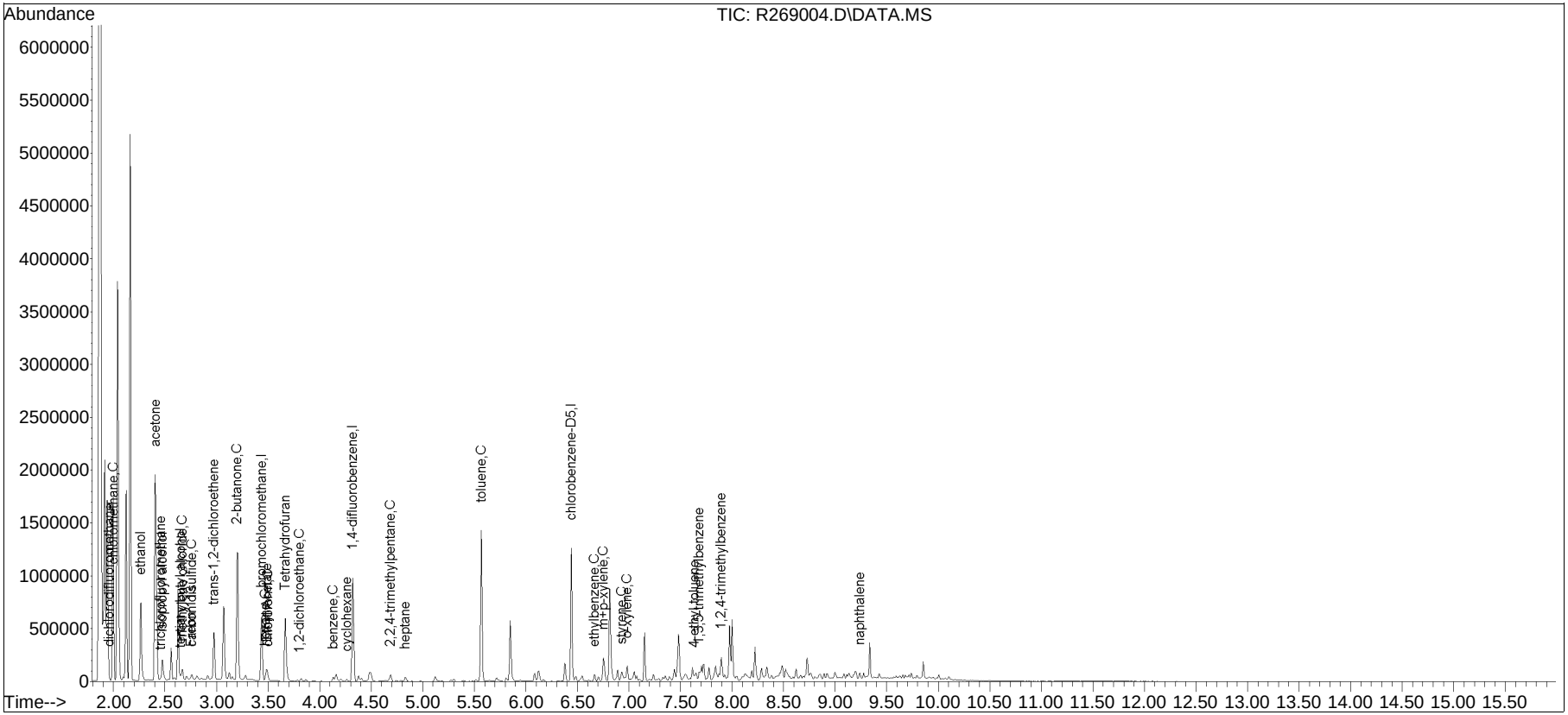
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	0.000		0	N.D.	d	
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	33020	0.560	ppbV #	93
62) heptane	4.830	43	10372	0.522	ppbV	90
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D.	d	
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	5.513		0	N.D.		
68) toluene	5.568	91	629977	12.532	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	6.665	91	27069	0.429	ppbV	92
83) m+p-xylene	6.753	91	92984	1.915	ppbV	96
84) bromoform	0.000		0	N.D.		
85) styrene	6.931	104	19344	0.510	ppbV	95
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	6.984	91	44179	0.903	ppbV	97
96) 4-ethyl toluene	7.632	105	17946M6	0.276	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	23644	0.425	ppbV #	96
99) 1,2,4-trimethylbenzene	7.895	105	57268	1.026	ppbV #	66
101) Benzyl Chloride	7.951		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	0.000		0	N.D.	d	
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.241	128	15316	0.167	ppbV #	93
119) hexachlorobutadiene	0.000		0	N.D.		

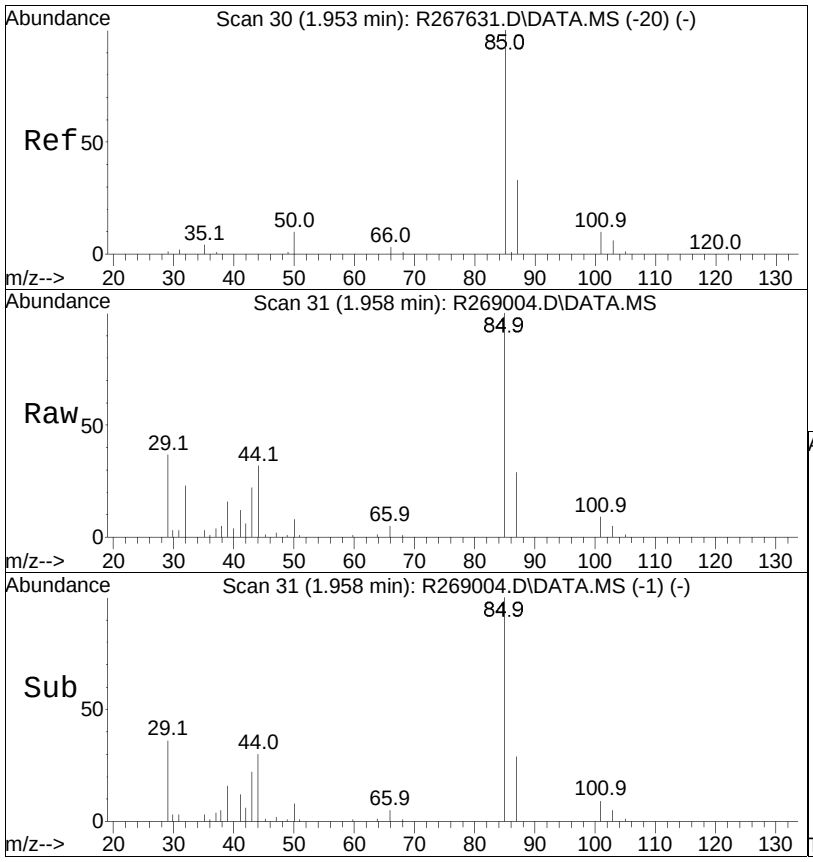
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269004.D
Acq On : 11 Mar 2026 09:39 pm
Operator : AIRLAB26:TPH
Sample : L2612752-03,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 07:01:56 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

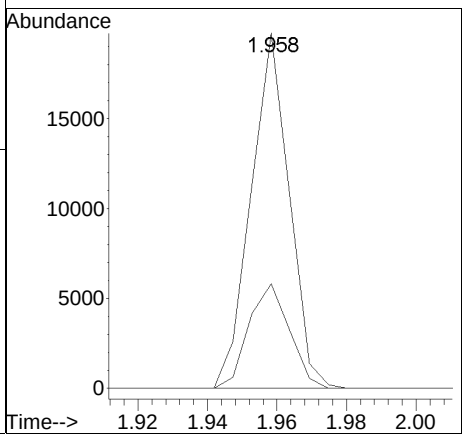


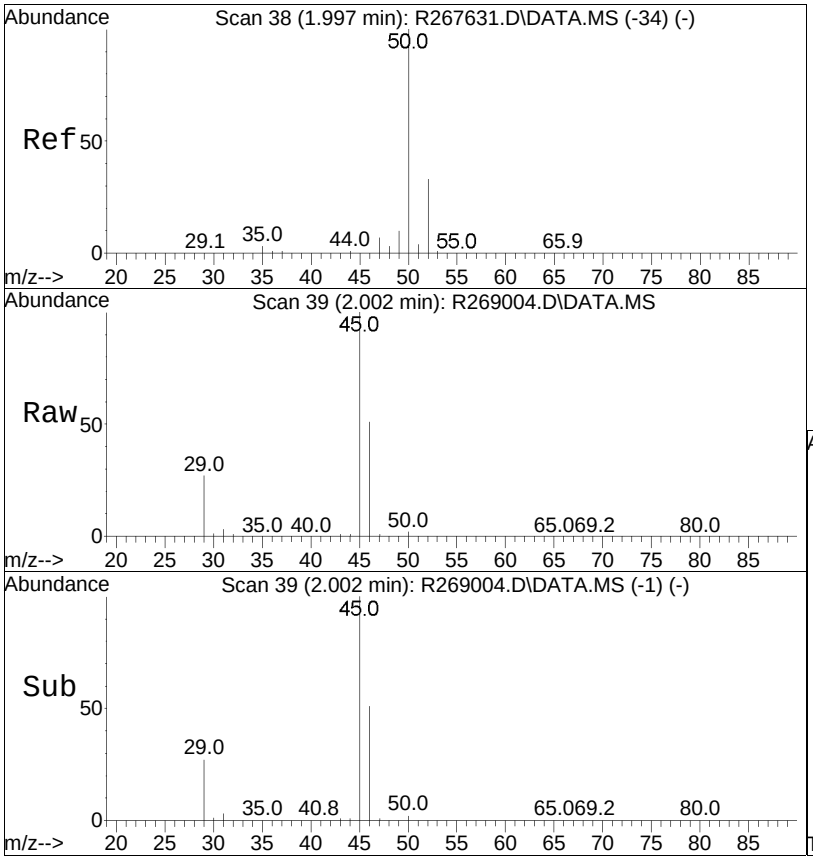


#5
dichlorodifluoromethane
Concen: 0.51 ppbV
RT: 1.958 min Scan# 31
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 85 Resp: 15096

Ion	Ratio	Lower	Upper
85	100		
87	29.5	26.2	39.2

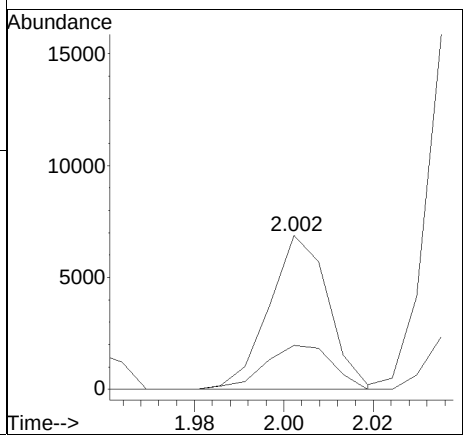


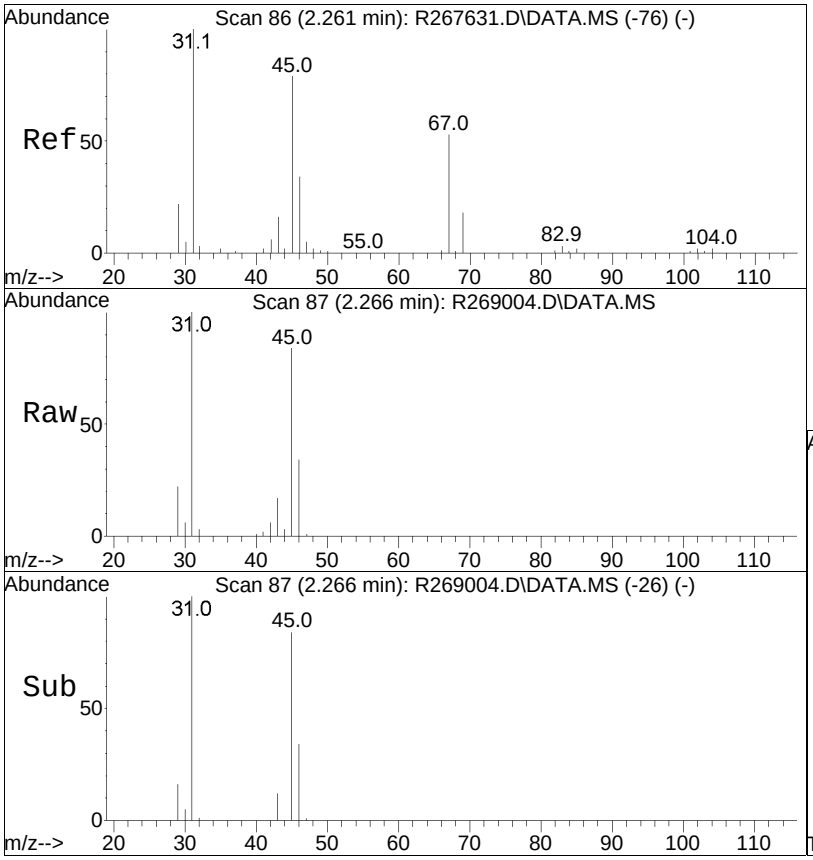


#6
chloromethane
Concen: 0.58 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 50 Resp: 6348

Ion	Ratio	Lower	Upper
50	100		
52	28.6	26.2	39.4

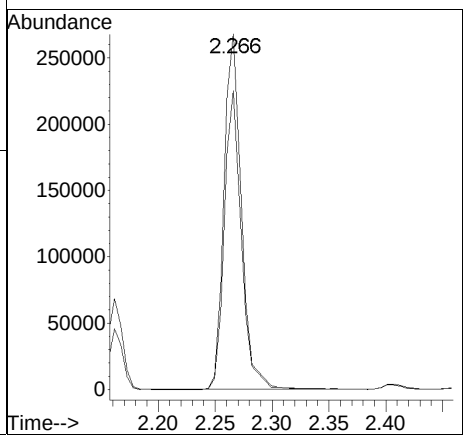


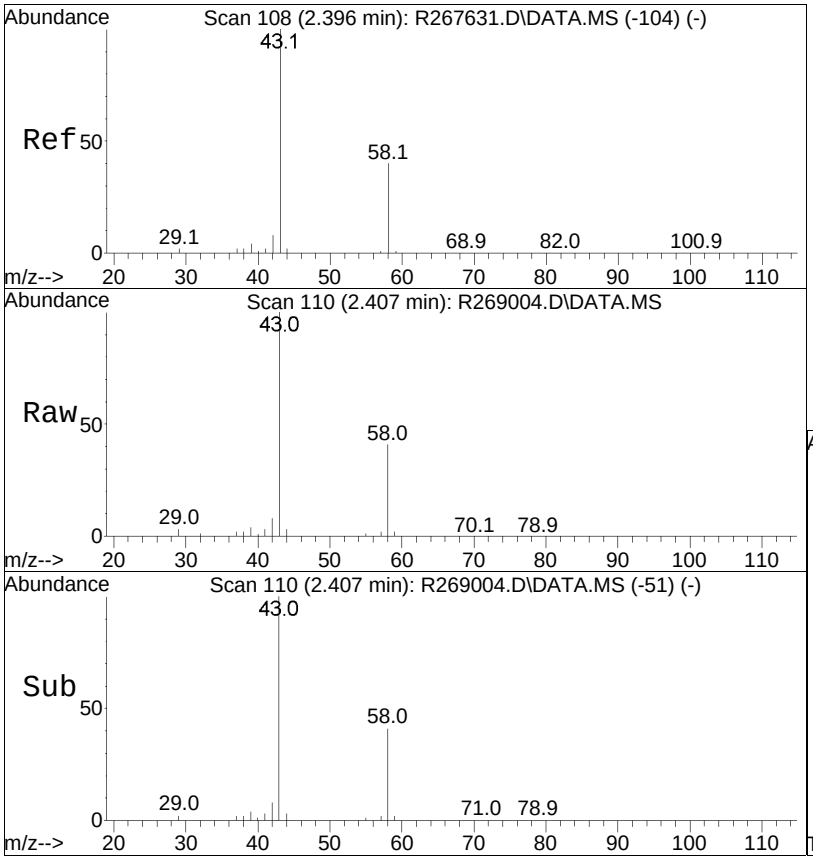


#15
ethanol
Concen: 54.09 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 31 Resp: 305730

Ion	Ratio	Lower	Upper
31	100		
45	84.1	63.4	95.0

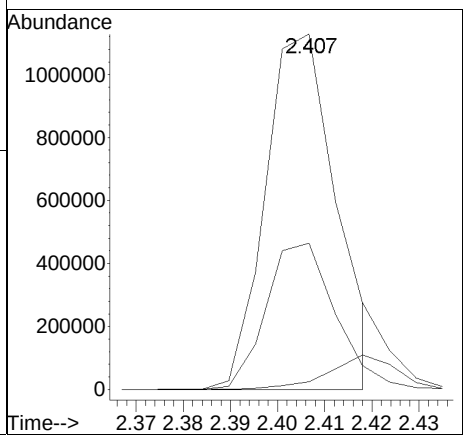


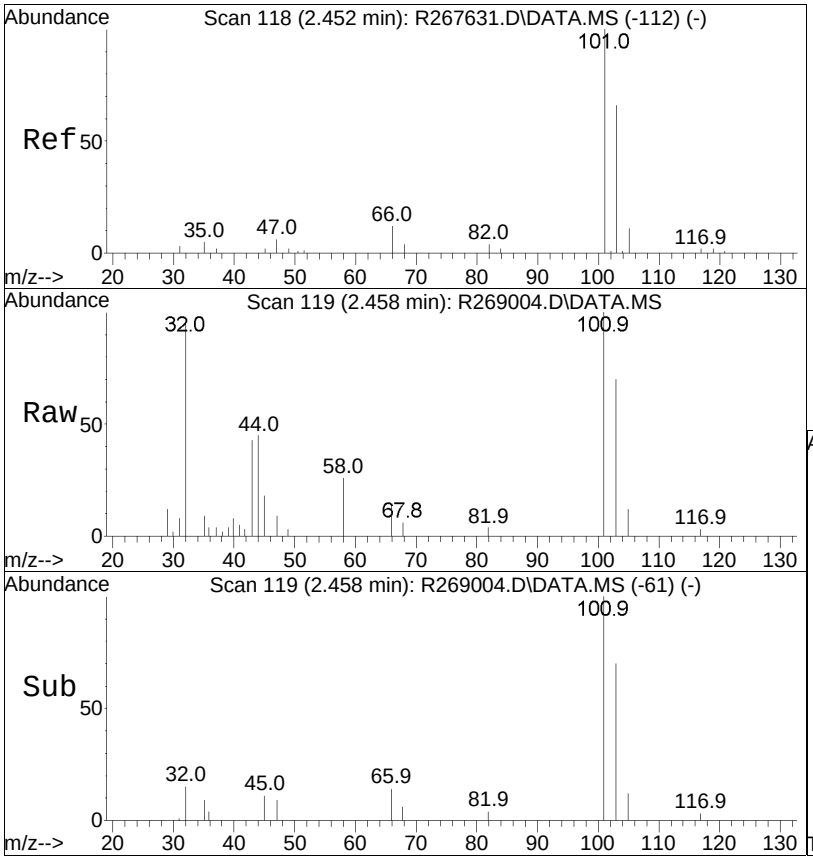


#19
acetone
Concen: 89.24 ppbV m
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 43 Resp: 1182568

Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.2	48.2
57	2.2	1.0	1.4#

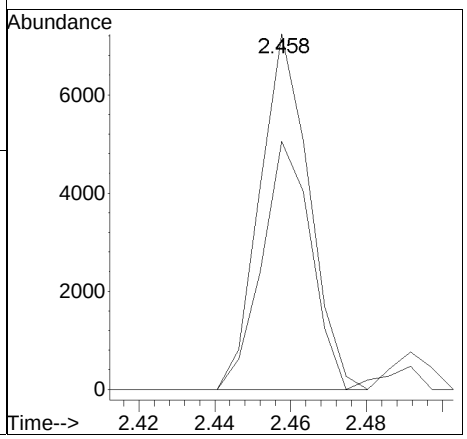


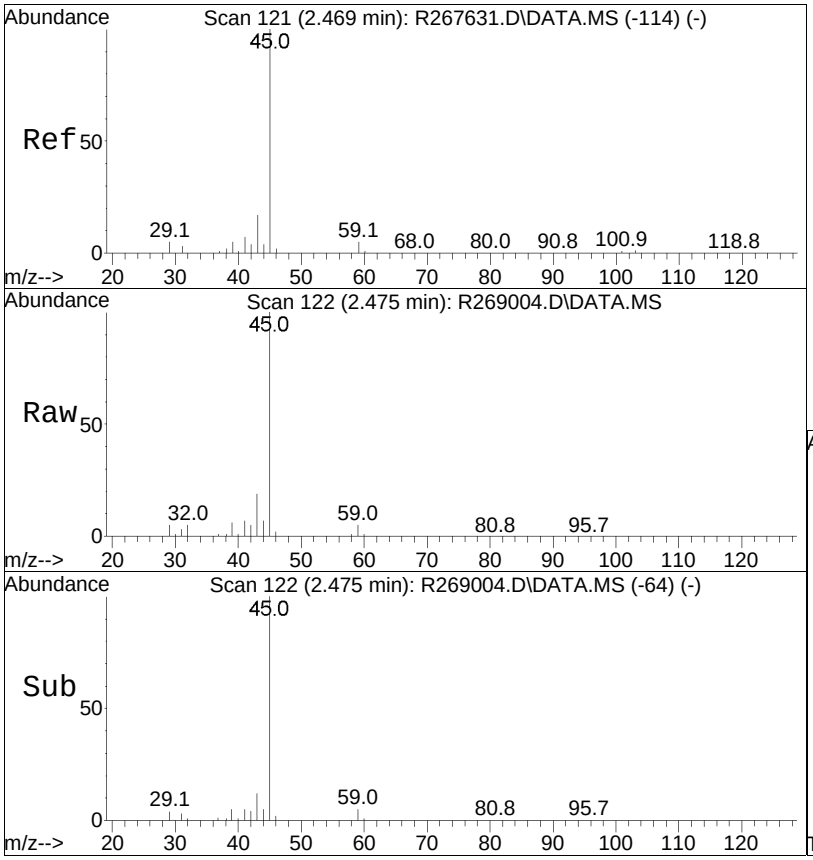


#21
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:101 Resp: 6532

Ion	Ratio	Lower	Upper
101	100		
103	69.8	52.6	78.8

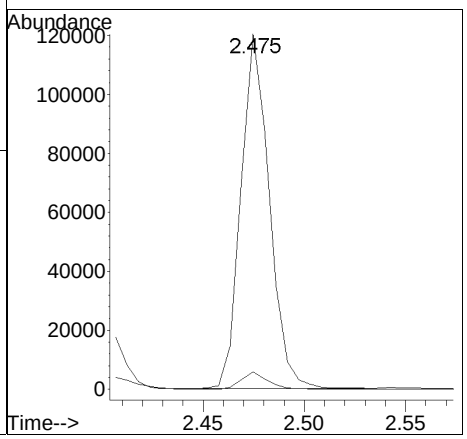


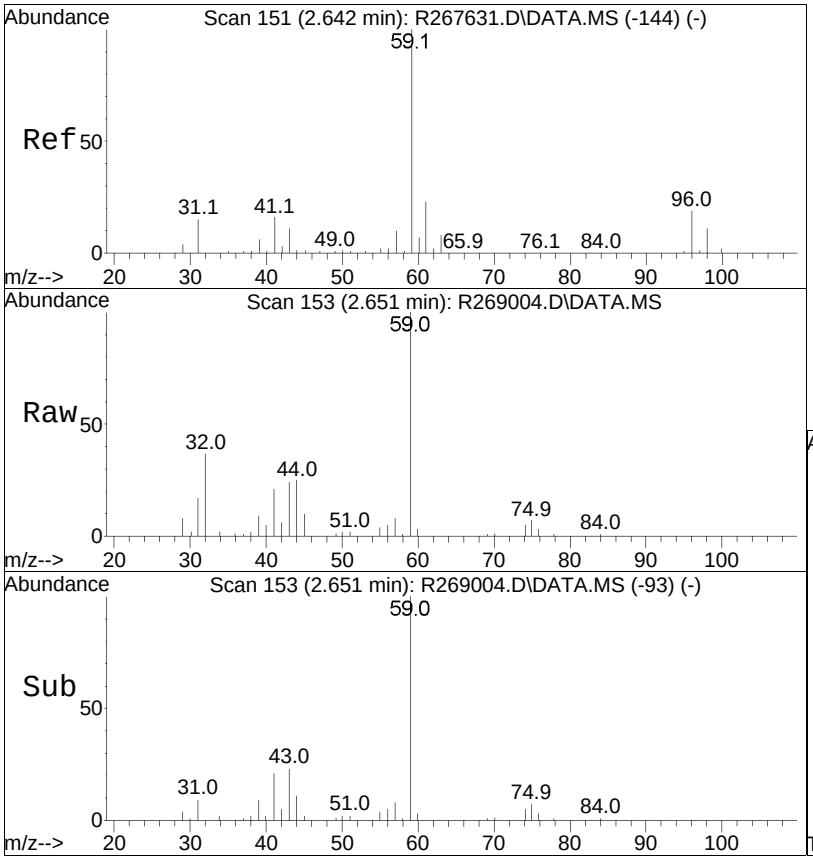


#22
isopropyl alcohol
Concen: 7.13 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 45 Resp: 117460

Ion	Ratio	Lower	Upper
45	100		
59	4.9	4.0	6.0

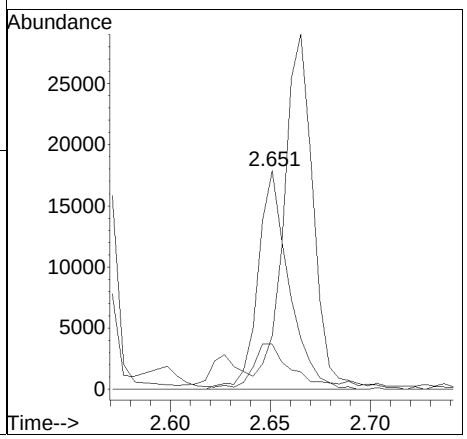


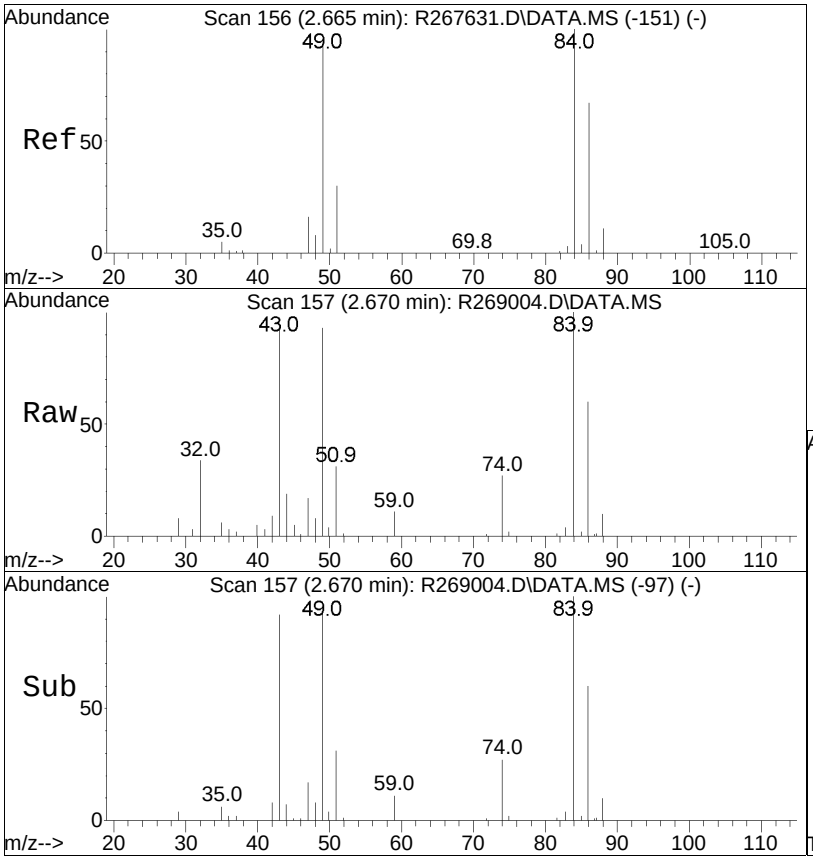


#27
tertiary butyl alcohol
Concen: 0.85 ppbV
RT: 2.651 min Scan# 153
Delta R.T. 0.009 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 59 Resp: 19295

Ion	Ratio	Lower	Upper
59	100		
41	20.7	13.1	19.7#
43	24.4	8.8	13.2#

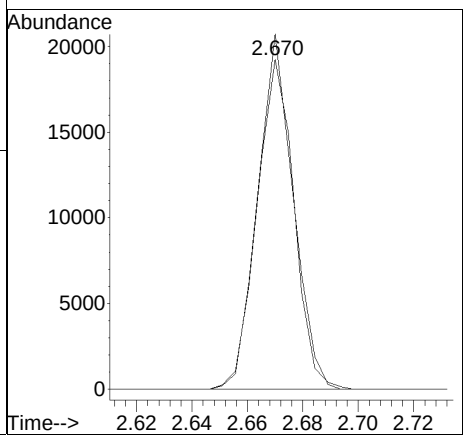


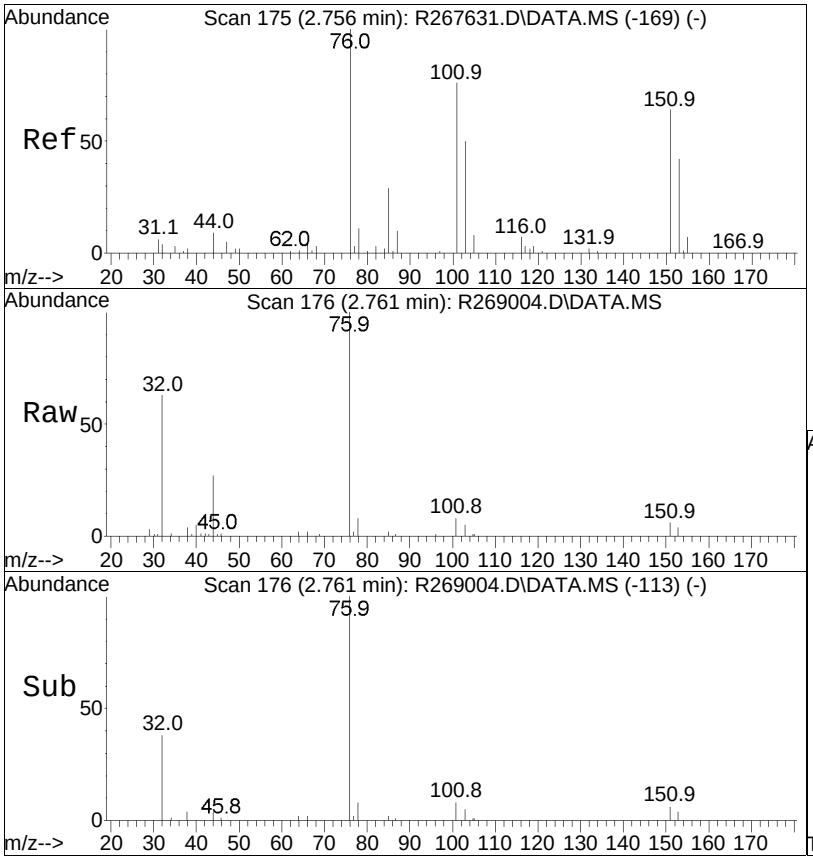


#28
methylene chloride
Concen: 1.61 ppbV
RT: 2.670 min Scan# 157
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 49 Resp: 17920

Ion	Ratio	Lower	Upper
49	100		
84	107.7	82.0	123.0

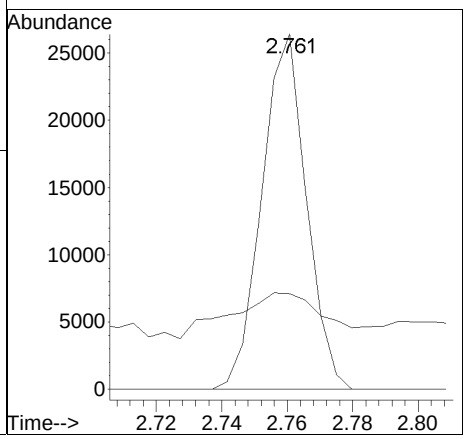


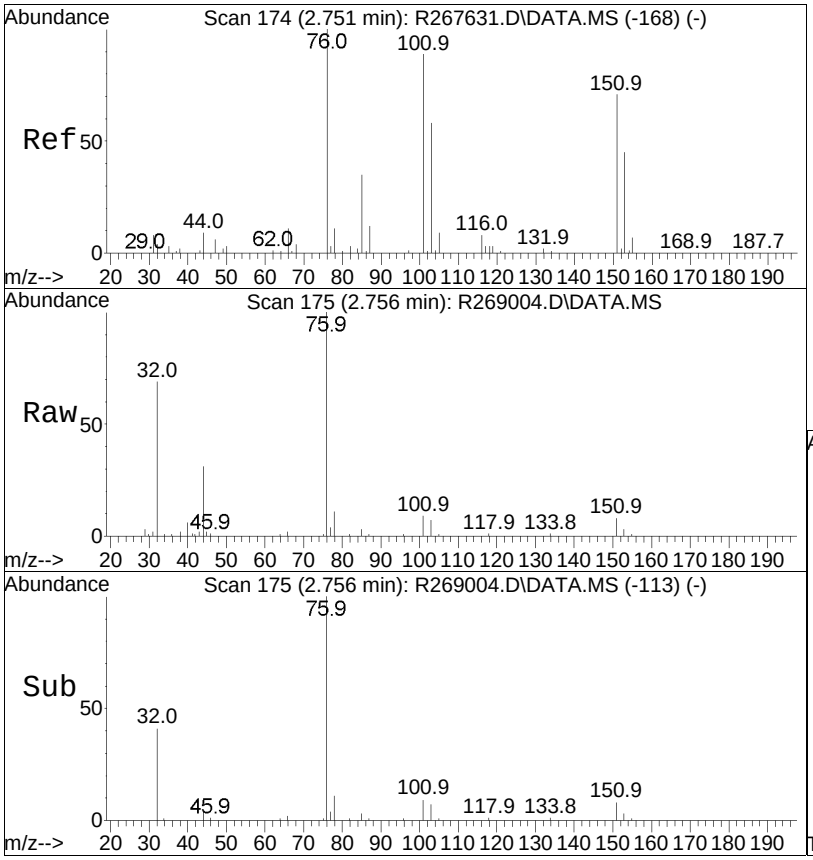


#30
carbon disulfide
Concen: 0.78 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 76 Resp: 24954

Ion	Ratio	Lower	Upper
76	100		
44	26.9	8.6	13.0#

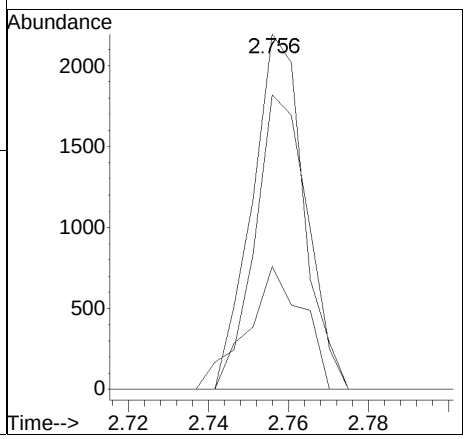


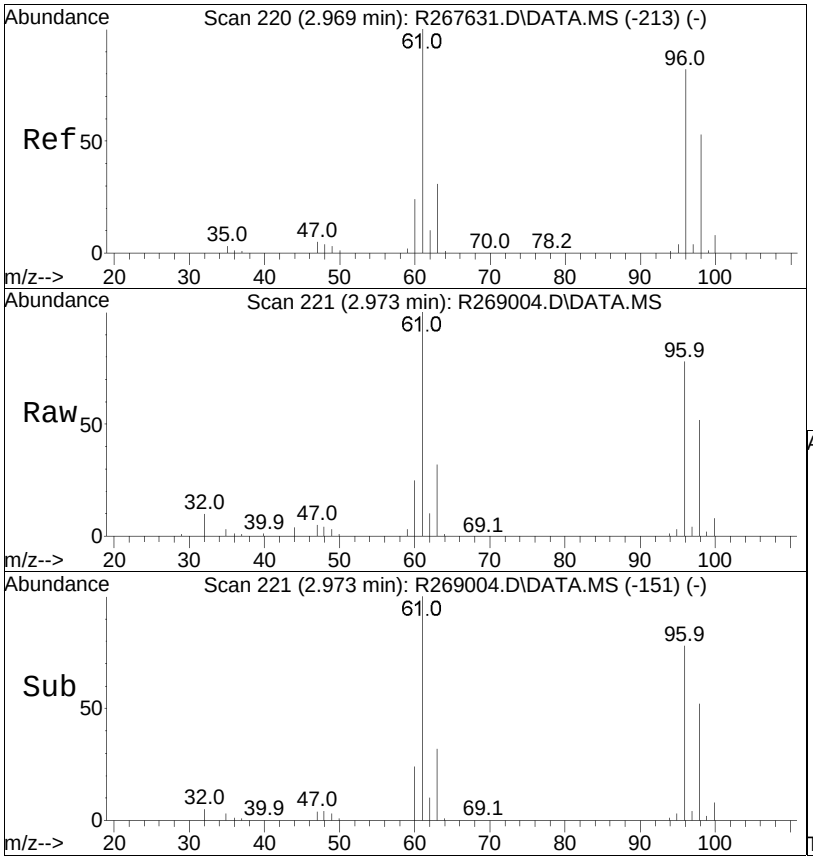


#31
Freon 113
Concen: 0.08 ppbV
RT: 2.756 min Scan# 175
Delta R.T. 0.005 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:101 Resp: 1966

Ion	Ratio	Lower	Upper
101	100		
85	34.6	32.0	48.0
151	82.9	64.0	96.0

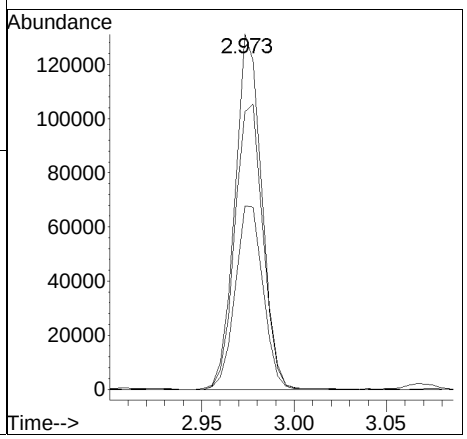


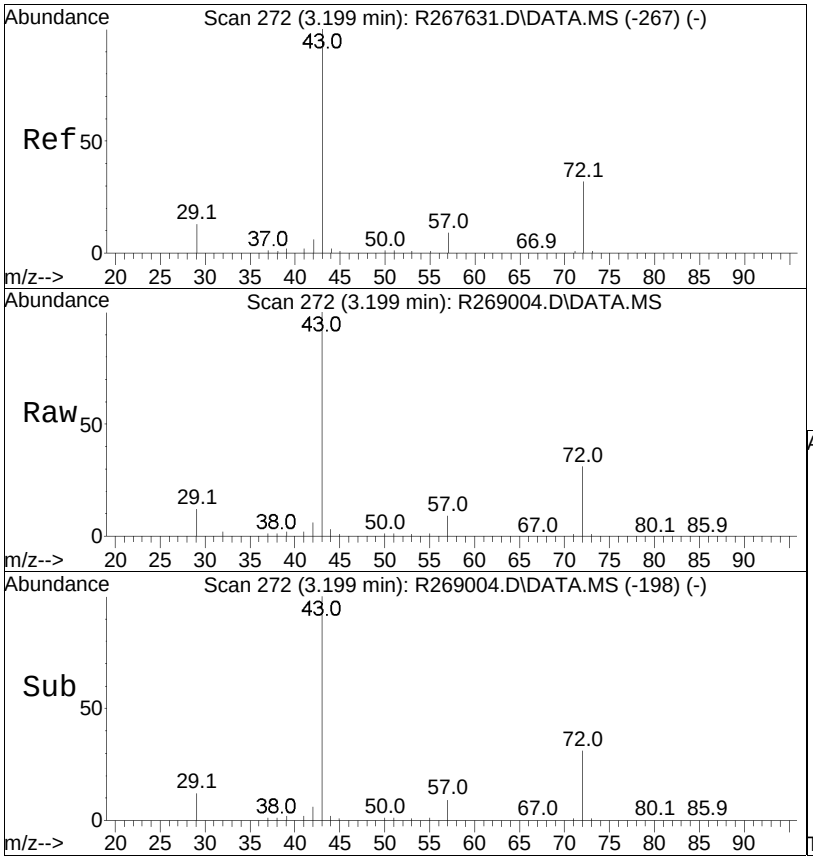


#32
trans-1,2-dichloroethene
Concen: 8.62 ppbV
RT: 2.973 min Scan# 221
Delta R.T. 0.004 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 61 Resp: 132763

Ion	Ratio	Lower	Upper
61	100		
96	78.1	65.8	98.6
98	51.7	42.4	63.6

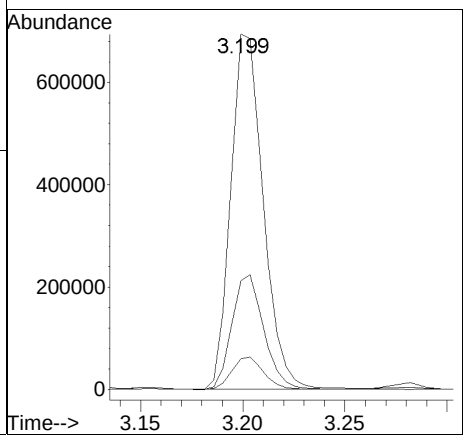


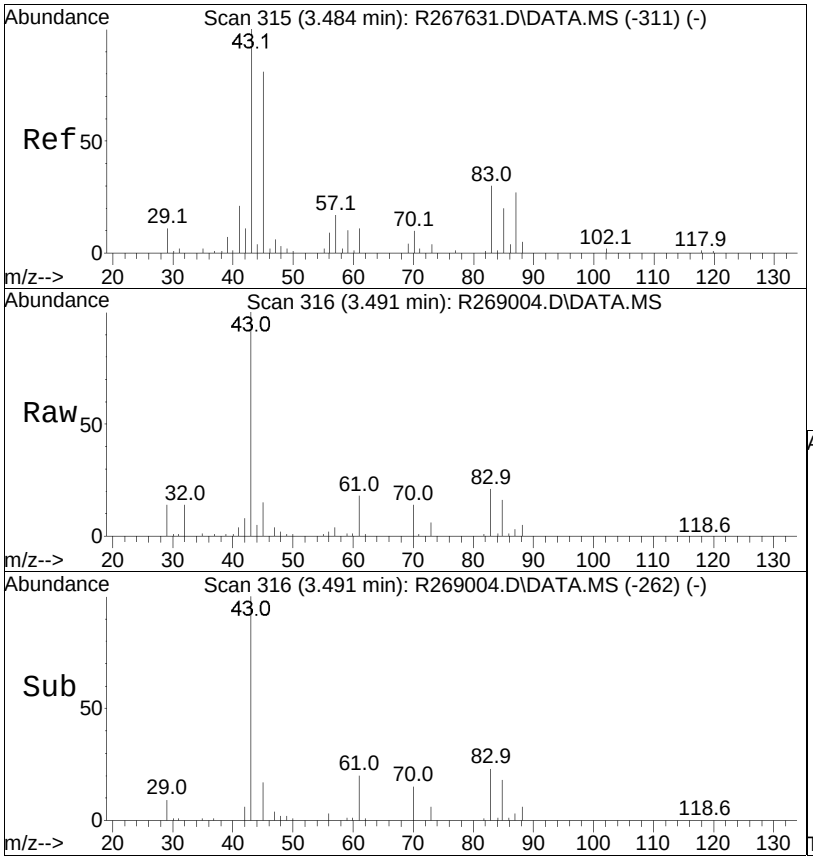


#36
2-butanone
Concen: 31.89 ppbV
RT: 3.199 min Scan# 272
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 43 Resp: 767964

Ion	Ratio	Lower	Upper
43	100		
72	30.6	25.1	37.7
57	8.6	7.4	11.2

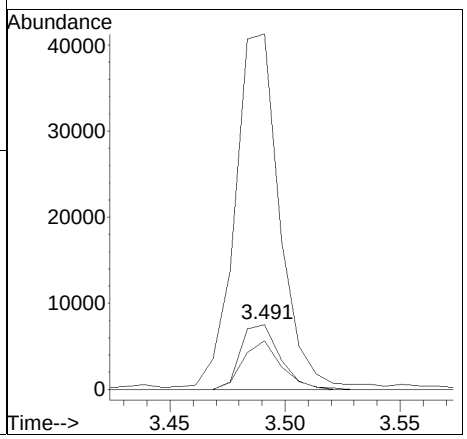


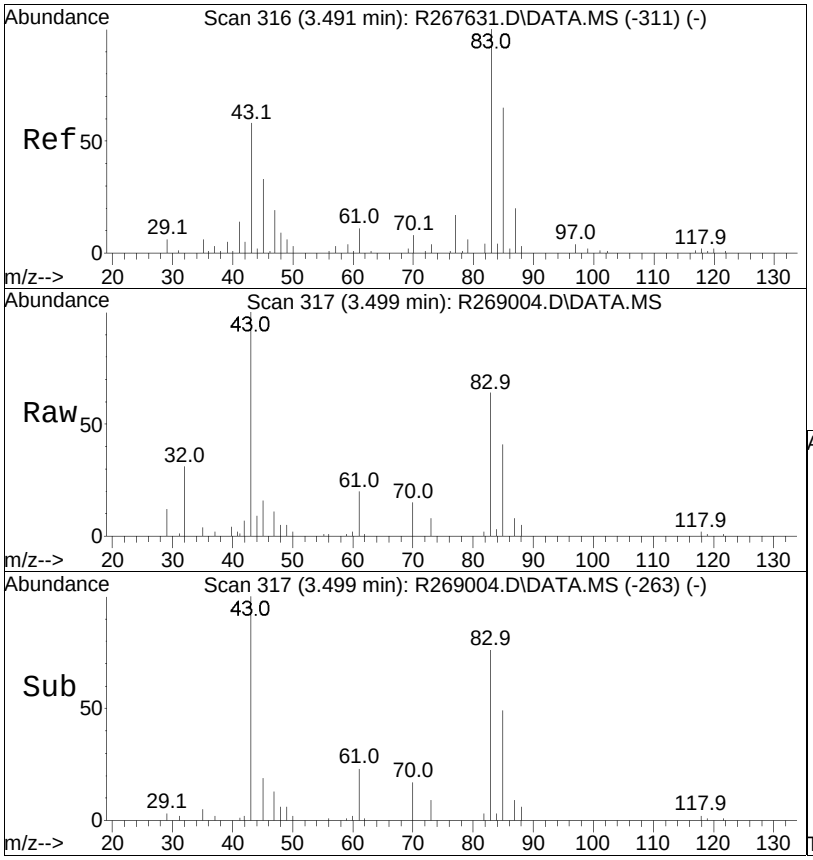


#38
Ethyl Acetate
Concen: 1.85 ppbV
RT: 3.491 min Scan# 316
Delta R.T. 0.007 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 61 Resp: 9024

Ion	Ratio	Lower	Upper
61	100		
70	75.0	73.9	110.9
43	548.4	752.6	1128.8#

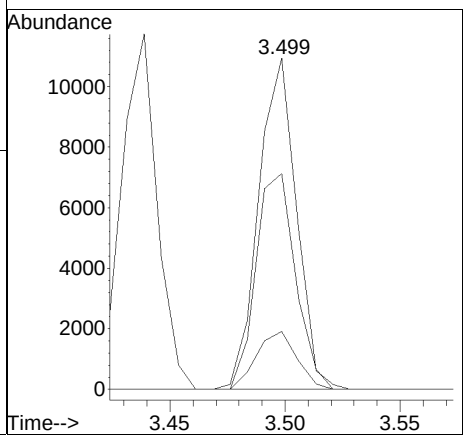


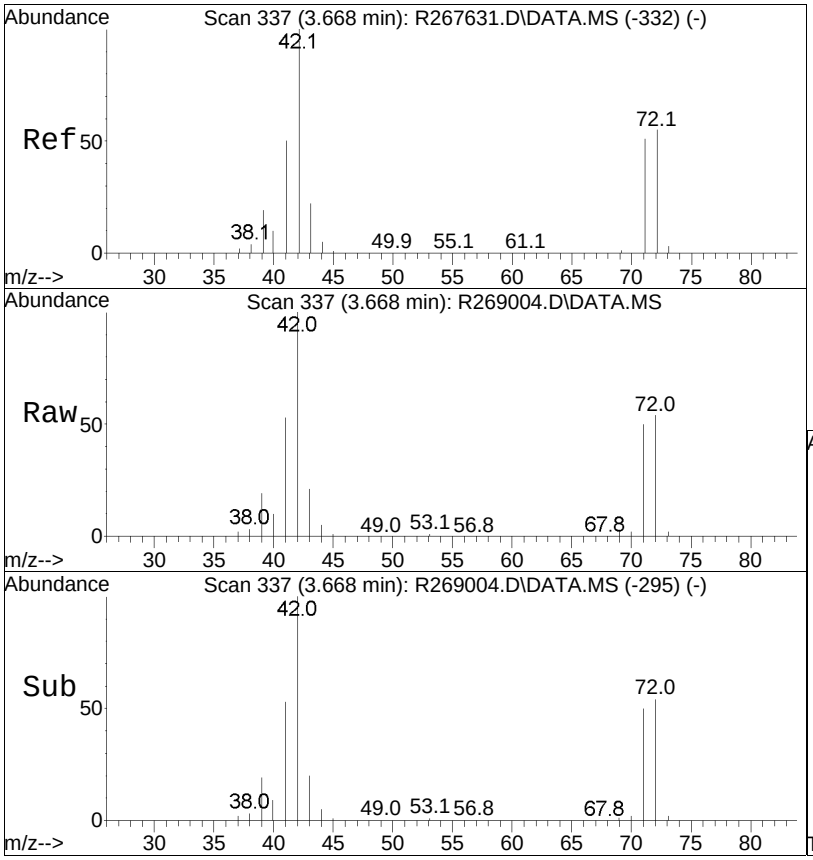


#39
chloroform
Concen: 0.50 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.007 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 83 Resp: 12503

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9
47	17.5	15.4	23.2

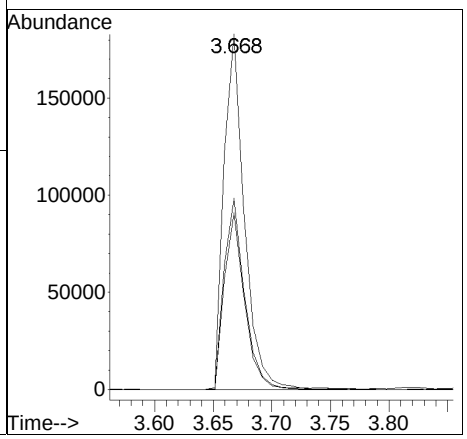


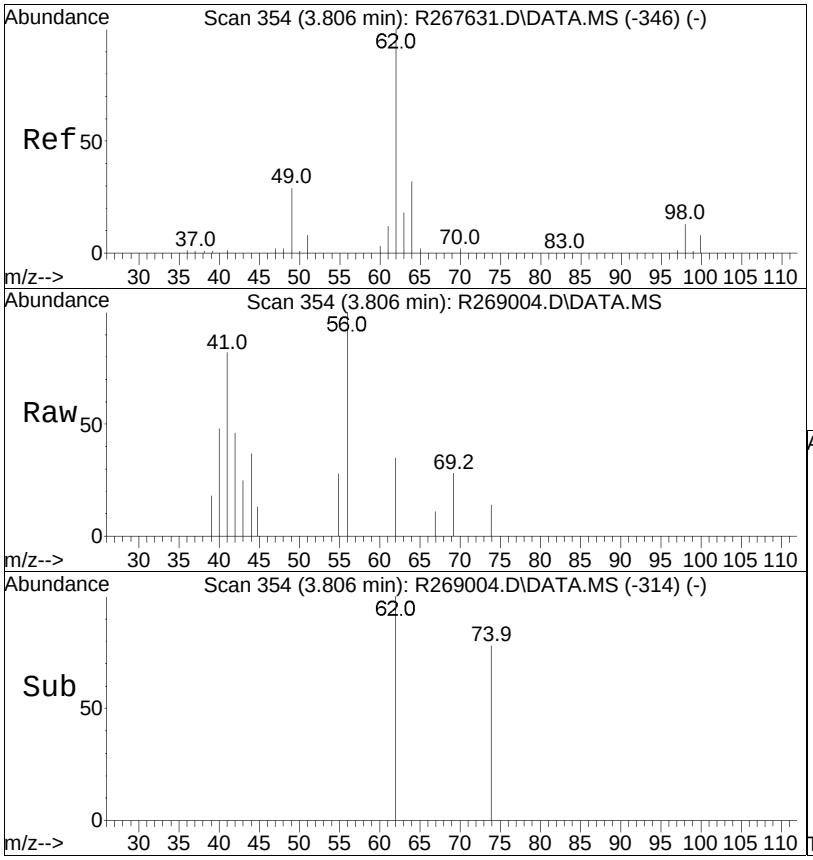


#40
Tetrahydrofuran
Concen: 21.32 ppbV
RT: 3.668 min Scan# 337
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 42 Resp: 223582

Ion	Ratio	Lower	Upper
42	100		
71	49.6	41.0	61.6
72	53.8	44.2	66.2

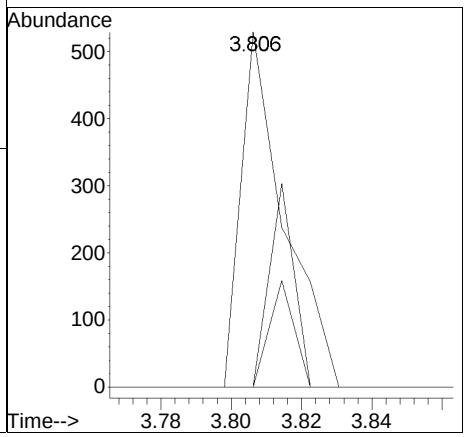


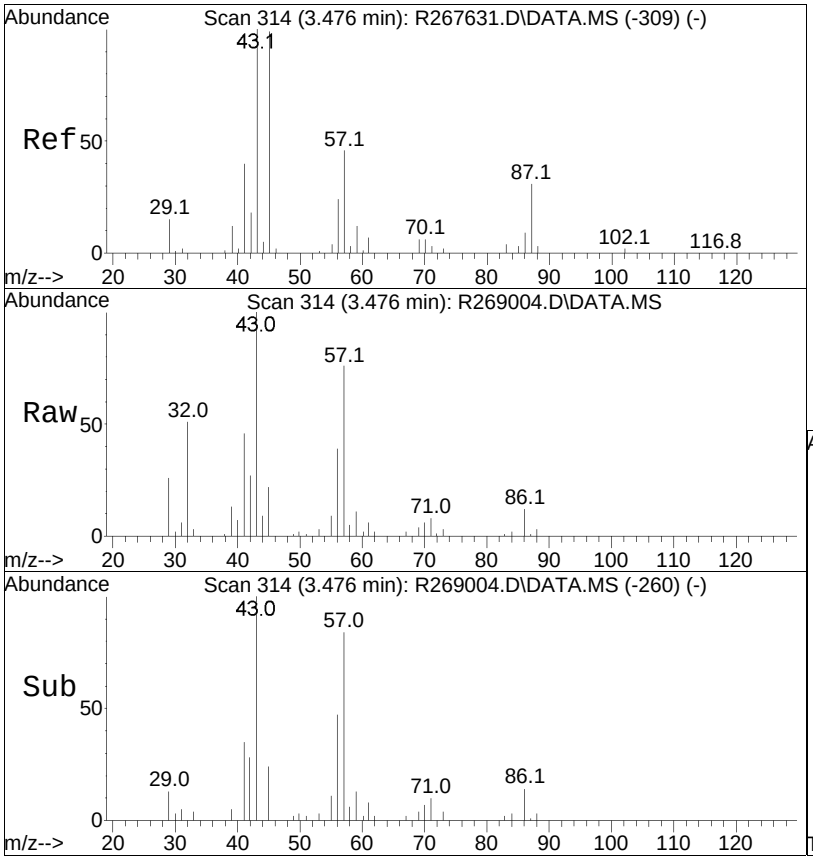


#42
1,2-dichloroethane
Concen: 0.03 ppbV
RT: 3.806 min Scan# 354
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 62 Resp: 452

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.7	38.5#
49	0.0	23.7	35.5#
63	0.0	14.5	21.7#

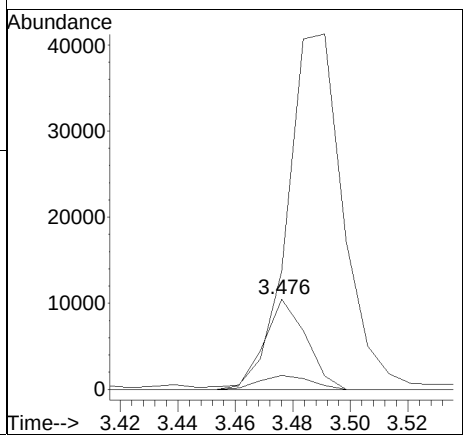


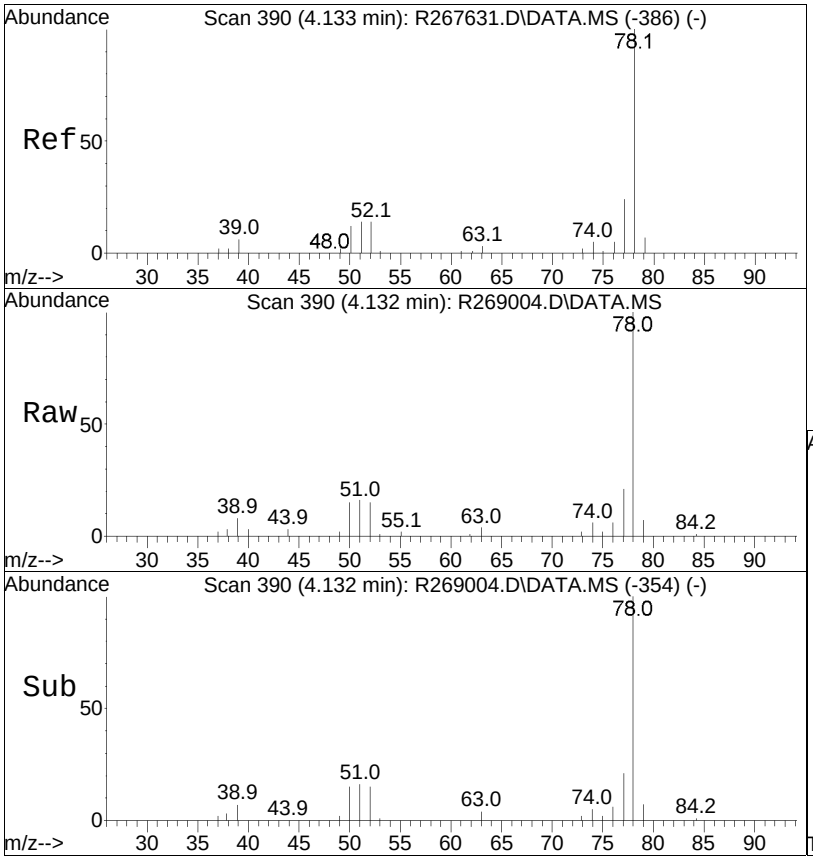


#44
hexane
Concen: 0.52 ppbV
RT: 3.476 min Scan# 314
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 57 Resp: 10646

Ion	Ratio	Lower	Upper
57	100		
43	131.4	175.4	263.0#
86	15.5	16.1	24.1#

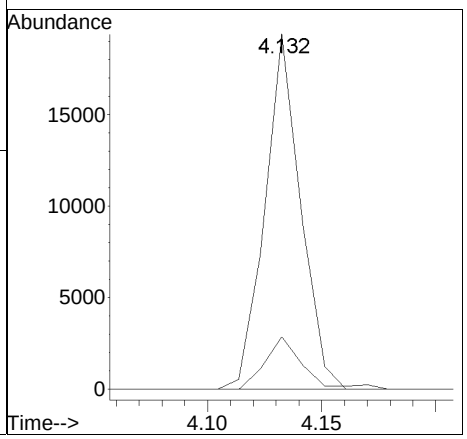


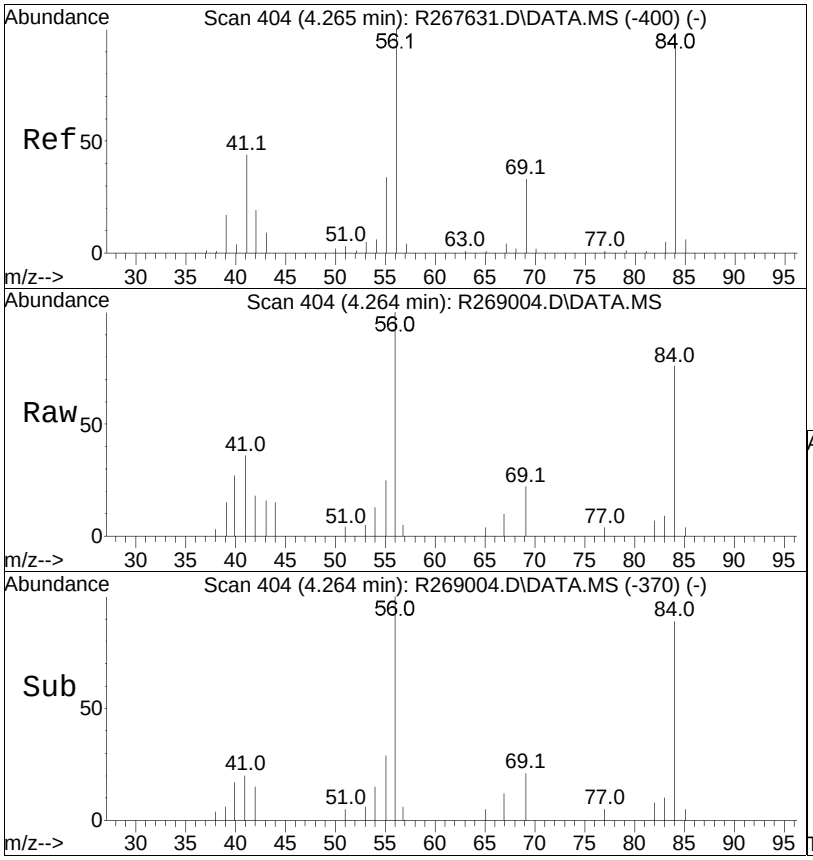


#50
benzene
Concen: 0.50 ppbV
RT: 4.132 min Scan# 390
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 78 Resp: 21132

Ion	Ratio	Lower	Upper
78	100		
52	14.8	11.3	16.9

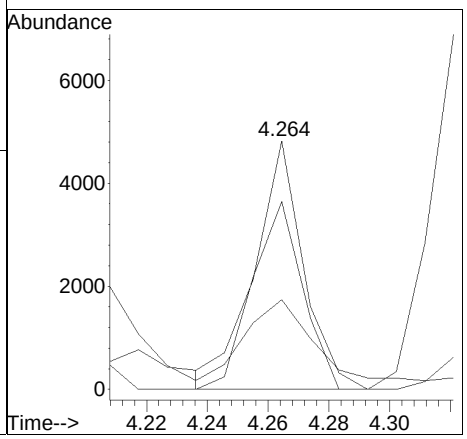


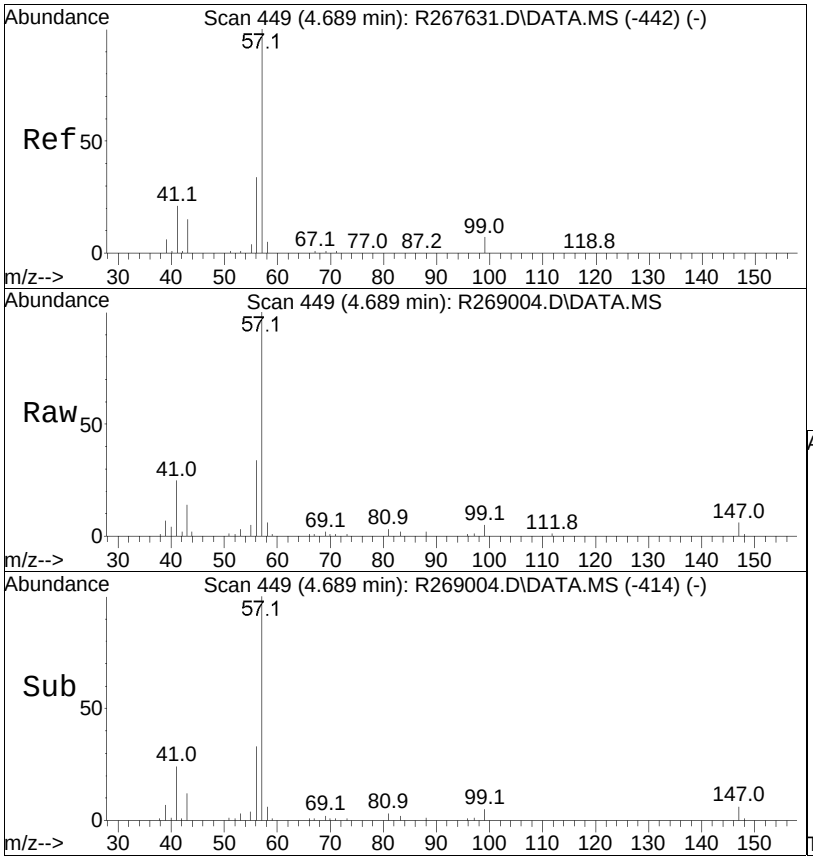


#53
cyclohexane
Concen: 0.28 ppbV
RT: 4.264 min Scan# 404
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 56 Resp: 5424

Ion	Ratio	Lower	Upper
56	100		
84	75.6	73.7	110.5
41	36.1	35.0	52.4

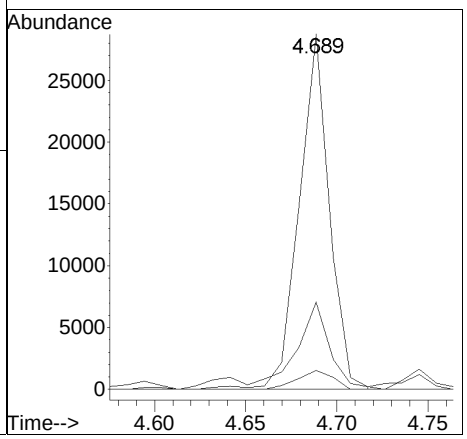


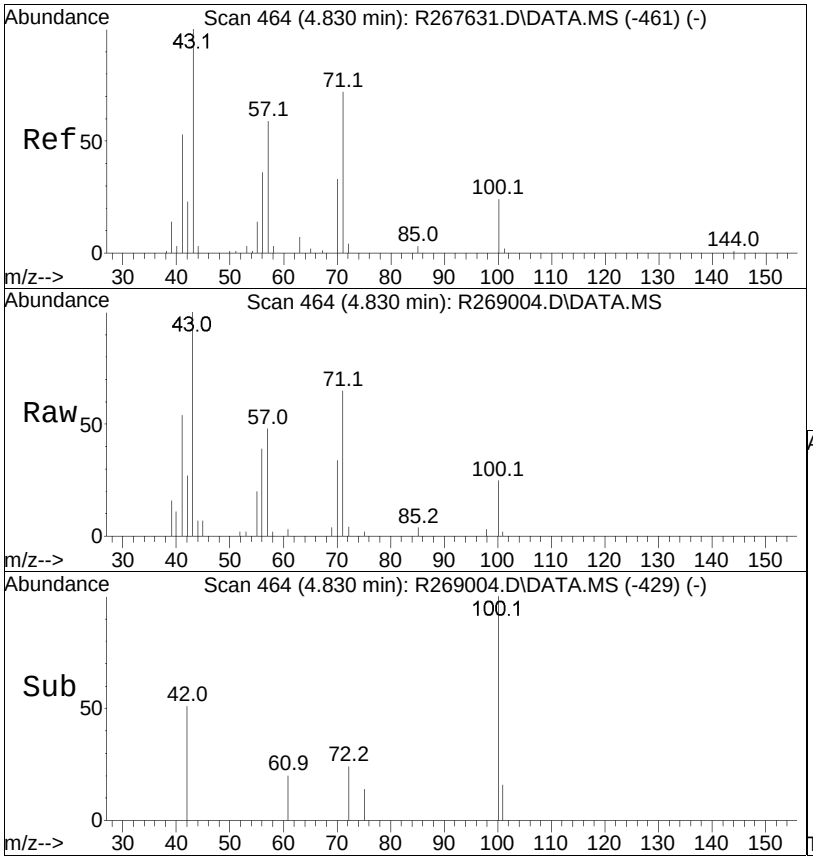


#60
2,2,4-trimethylpentane
Concen: 0.56 ppbV
RT: 4.689 min Scan# 449
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 57 Resp: 33020

Ion	Ratio	Lower	Upper
57	100		
99	5.3	5.4	8.2#
41	24.6	16.7	25.1

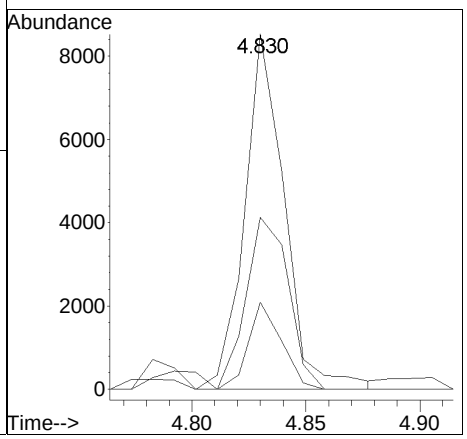


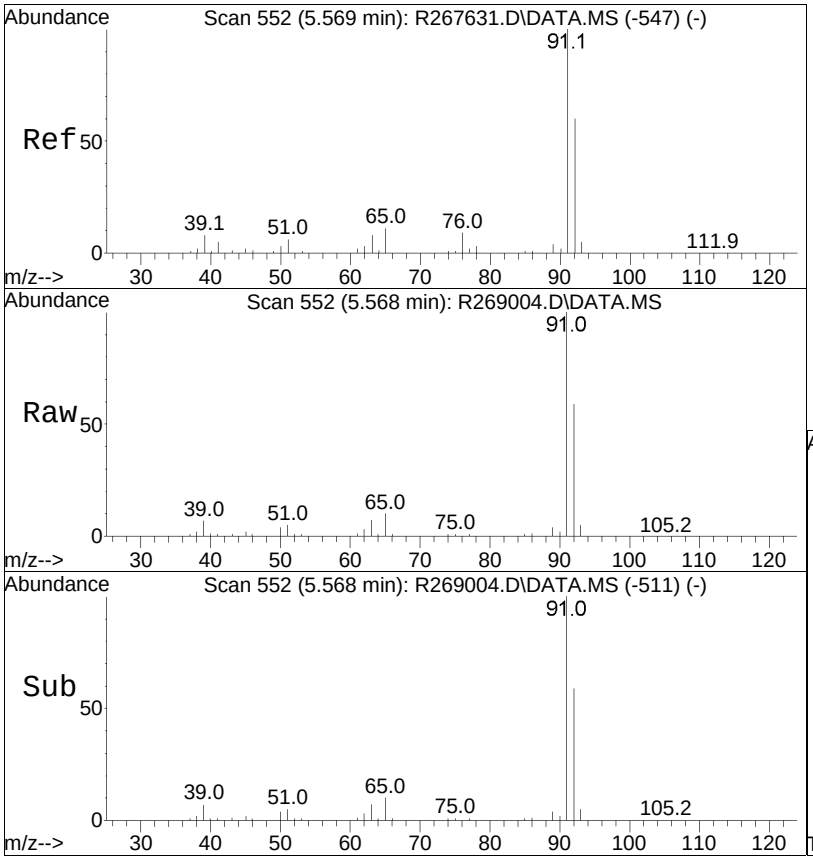


#62
heptane
Concen: 0.52 ppbV
RT: 4.830 min Scan# 464
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 43 Resp: 10372

Ion	Ratio	Lower	Upper
43	100		
57	48.4	47.2	70.8
100	24.5	19.8	29.8

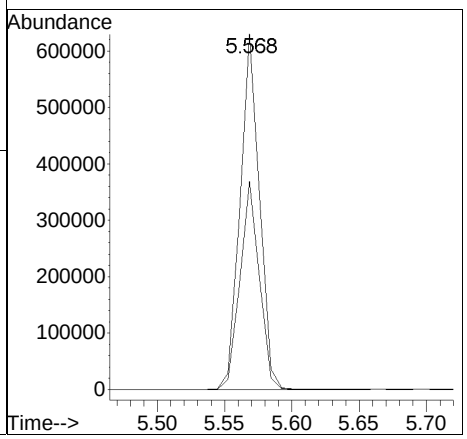


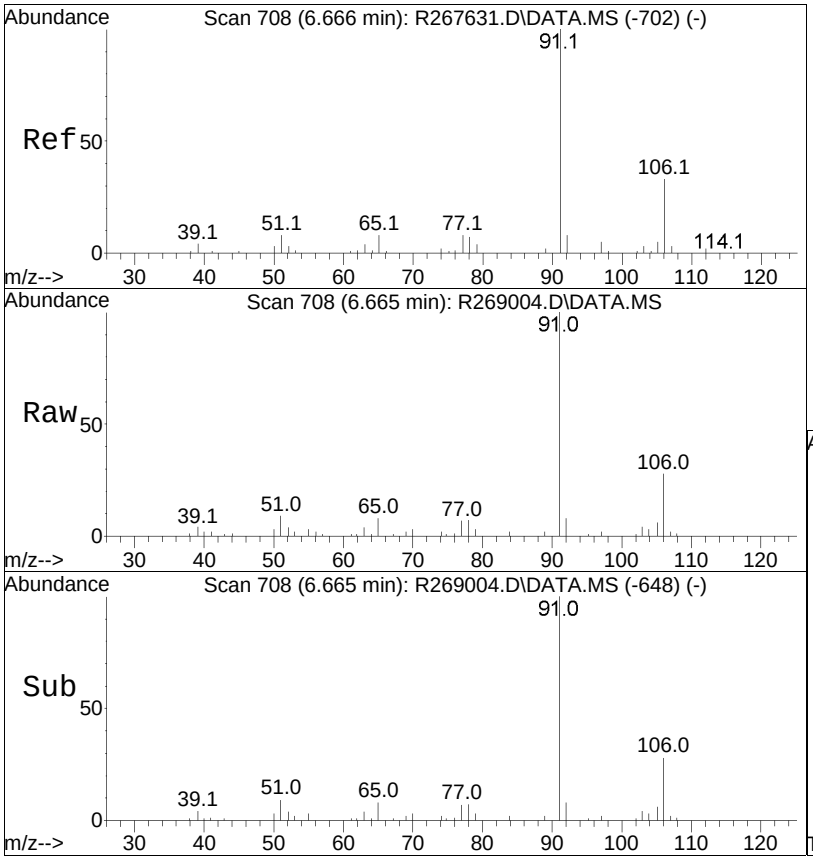


#68
toluene
Concen: 12.53 ppbV
RT: 5.568 min Scan# 552
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 91 Resp: 629977

Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.3	72.5

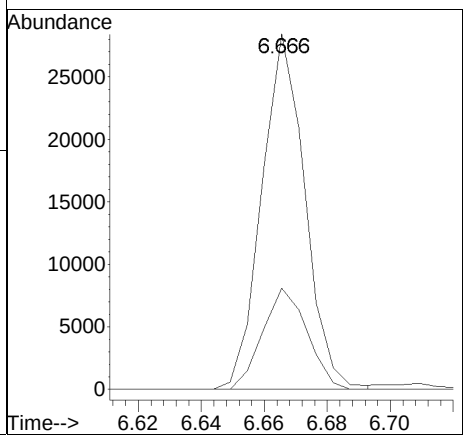


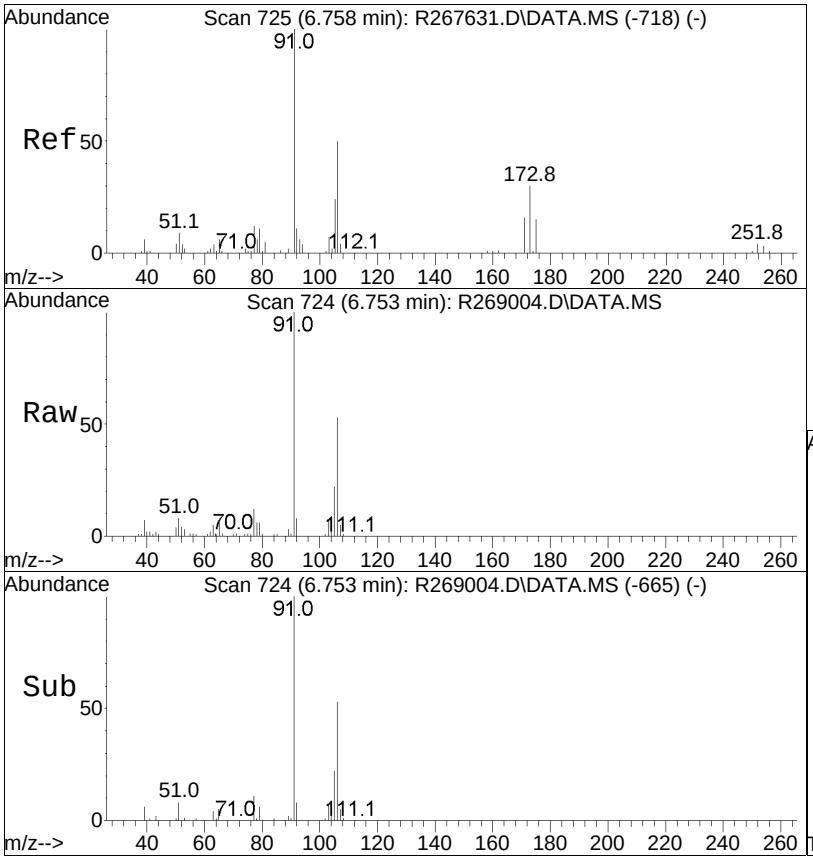


#81
ethylbenzene
Concen: 0.43 ppbV
RT: 6.665 min Scan# 708
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 91 Resp: 27069

Ion	Ratio	Lower	Upper
91	100		
106	28.5	26.3	39.5

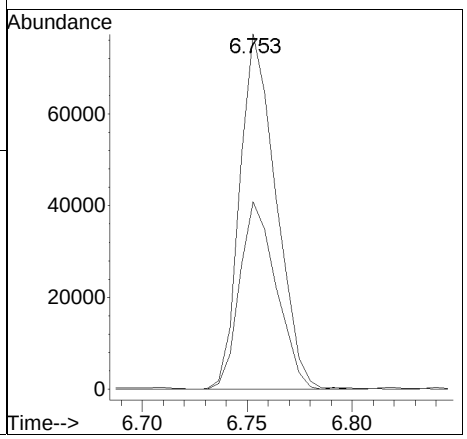


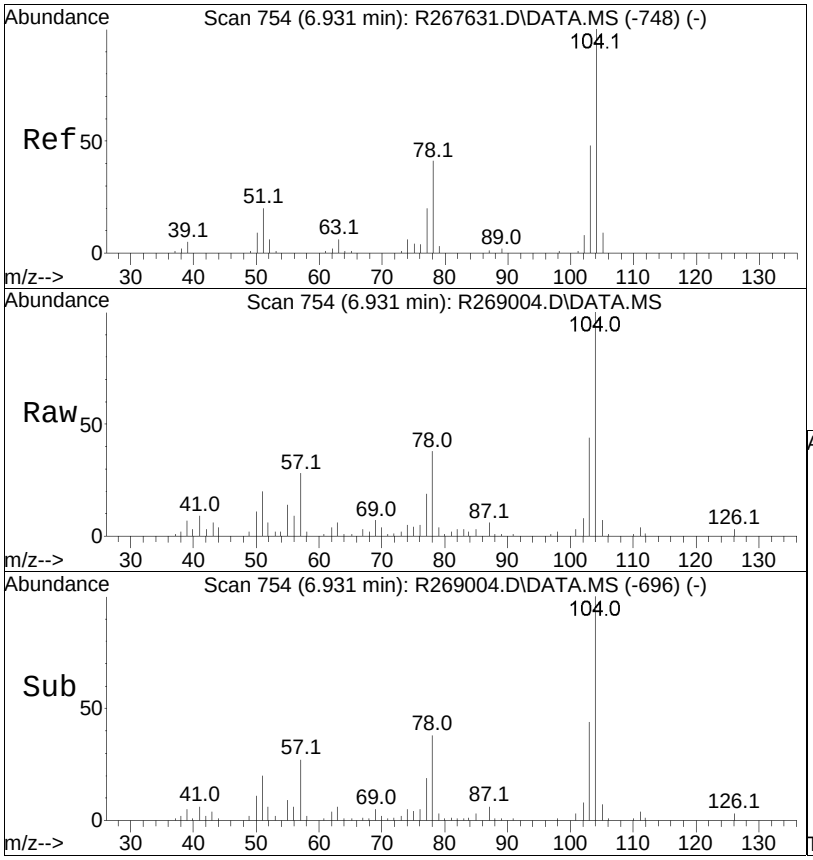


#83
m+p-xylene
Concen: 1.91 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.006 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 91 Resp: 92984

Ion	Ratio	Lower	Upper
91	100		
106	52.8	40.1	60.1

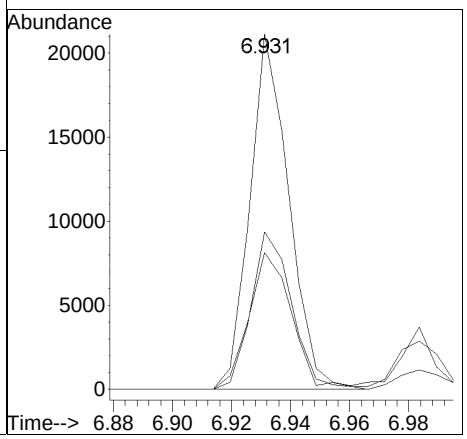


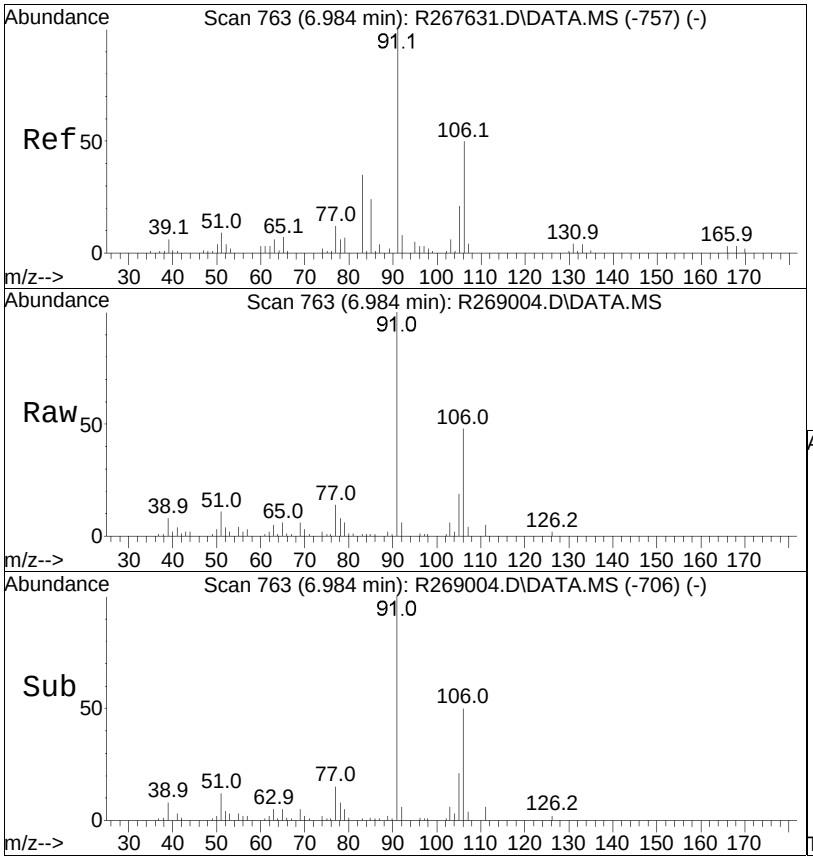


#85
styrene
Concen: 0.51 ppbV
RT: 6.931 min Scan# 754
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:104 Resp: 19344

Ion	Ratio	Lower	Upper
104	100		
103	44.3	38.6	57.8
78	38.5	32.5	48.7

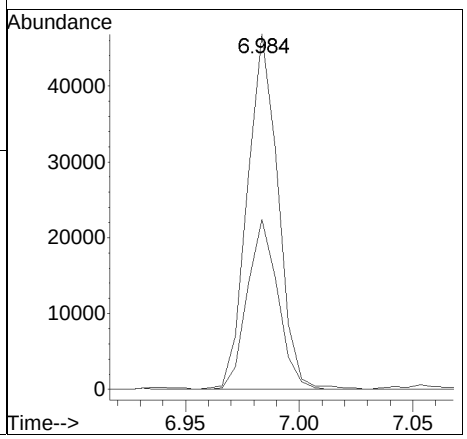


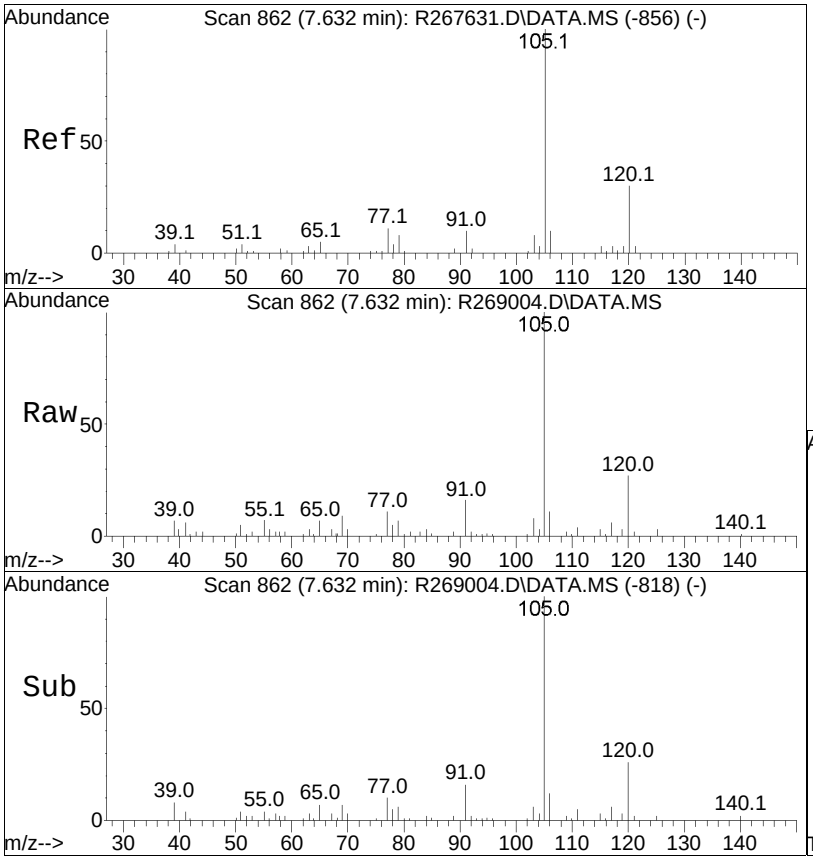


#87
o-xylene
Concen: 0.90 ppbV
RT: 6.984 min Scan# 763
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion: 91 Resp: 44179

Ion	Ratio	Lower	Upper
91	100		
106	47.8	40.2	60.2

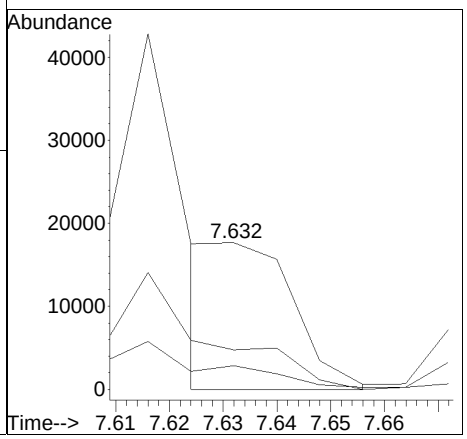


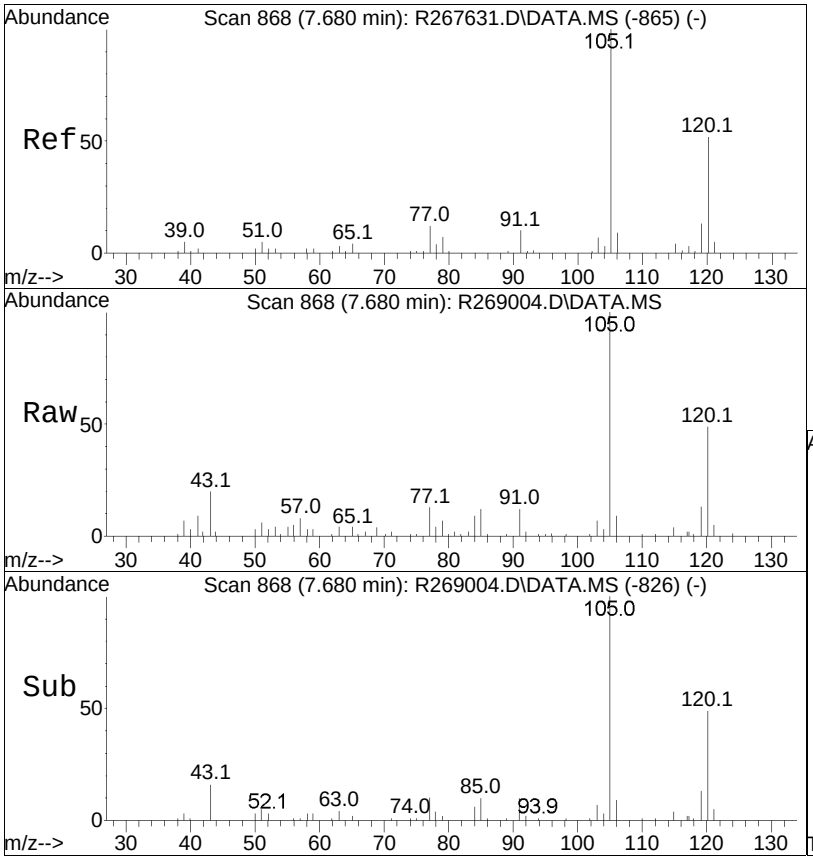


#96
4-ethyl toluene
Concen: 0.28 ppbV m
RT: 7.632 min Scan# 862
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:105 Resp: 17946

Ion	Ratio	Lower	Upper
105	100		
120	27.0	24.3	36.5
91	16.2	8.3	12.5#

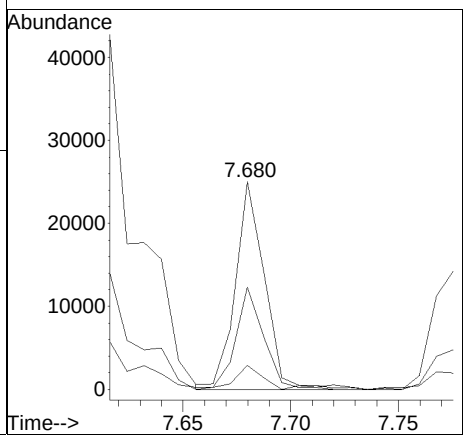


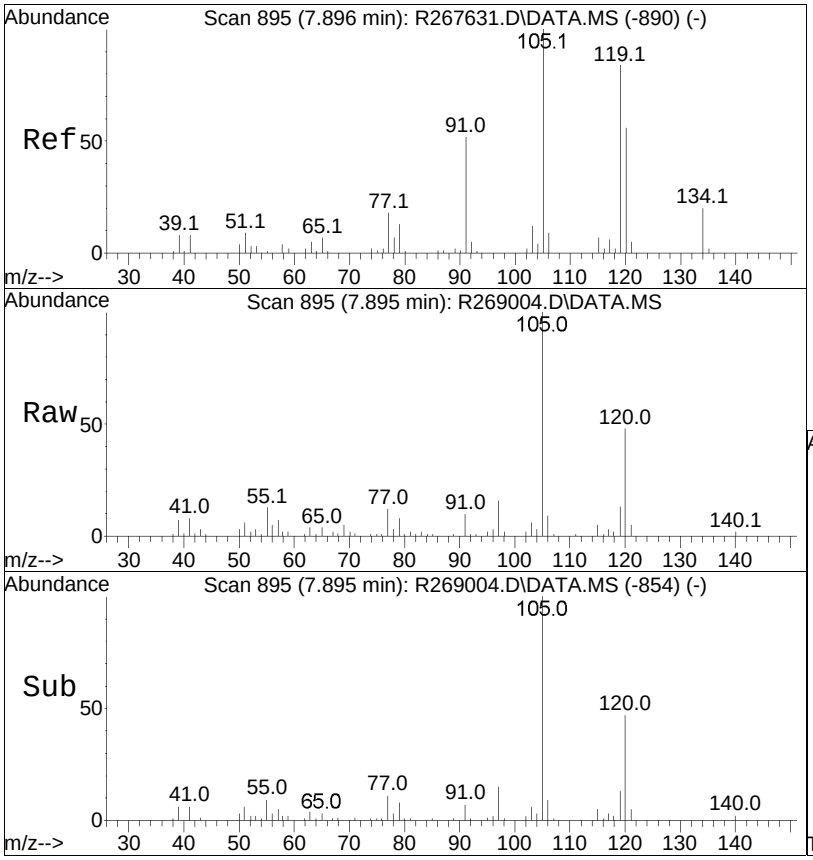


#97
1,3,5-trimethylbenzene
Concen: 0.43 ppbV
RT: 7.680 min Scan# 868
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:105 Resp: 23644

Ion	Ratio	Lower	Upper
105	100		
120	49.3	41.4	62.0
91	11.6	7.7	11.5#

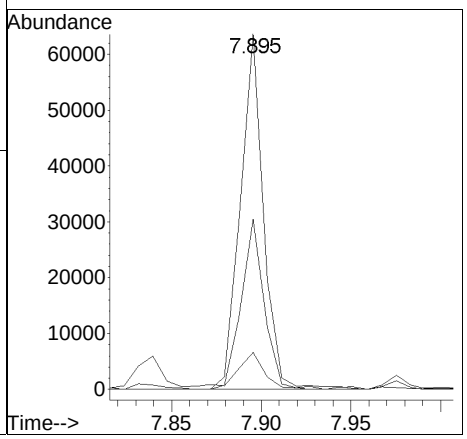


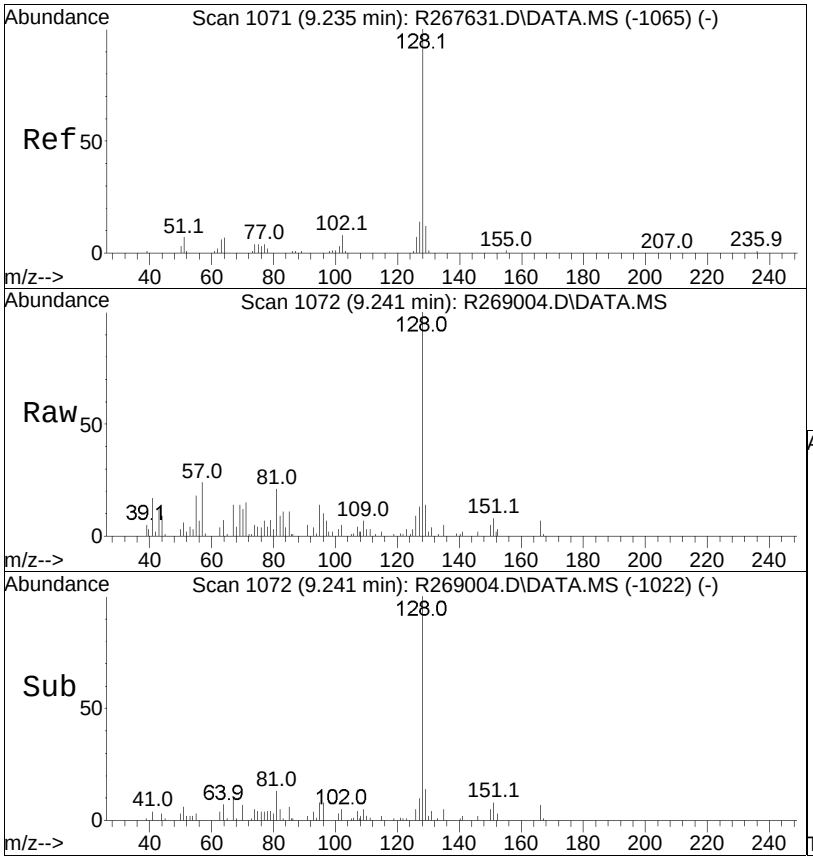


#99
1,2,4-trimethylbenzene
Concen: 1.03 ppbV
RT: 7.895 min Scan# 895
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:105 Resp: 57268

Ion	Ratio	Lower	Upper
105	100		
120	47.9	44.4	66.6
91	10.4	41.9	62.9#

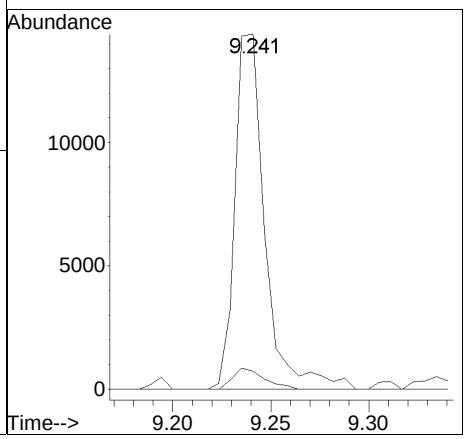




#116
naphthalene
Concen: 0.17 ppbV
RT: 9.241 min Scan# 1072
Delta R.T. 0.006 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:128 Resp: 15316

Ion	Ratio	Lower	Upper
128	100		
102	5.1	6.2	9.2#

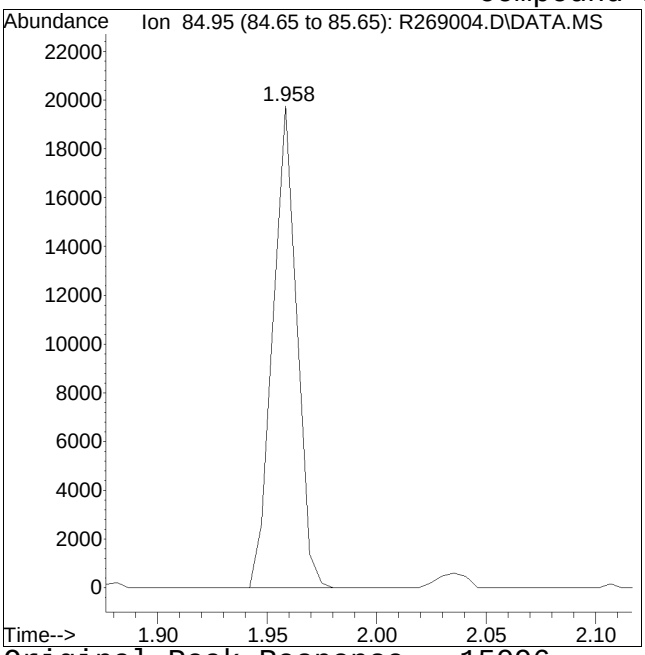


Manual Integration Report

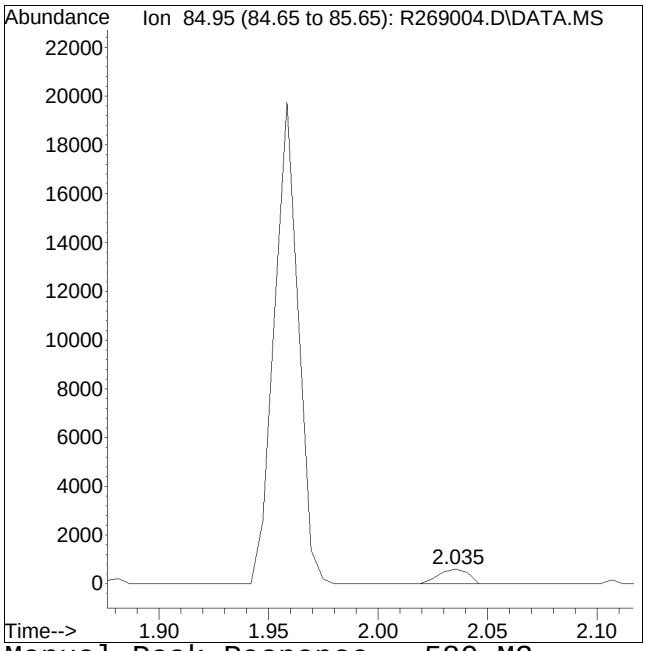
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269004.D
Date Inj'd : 3/11/2026 9:39 pm
Sample : L2612752-03,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:01 am

Compound #7: Freon-114



Original Peak Response = 15096



Manual Peak Response = 580 M3

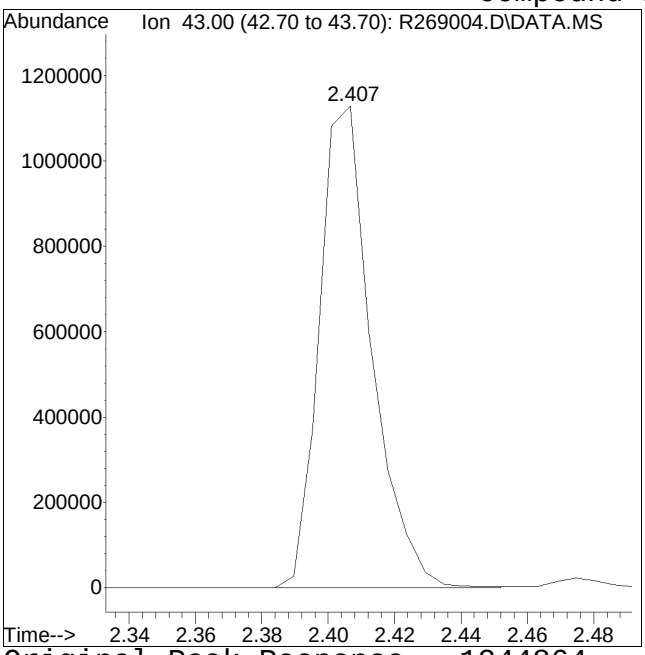
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

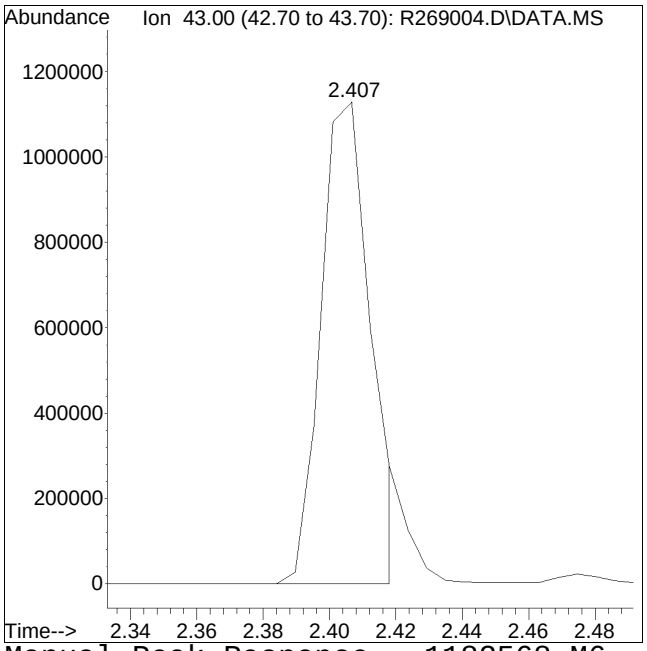
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269004.D
Date Inj'd : 3/11/2026 9:39 pm
Sample : L2612752-03,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:01 am

Compound #19: acetone



Original Peak Response = 1244864



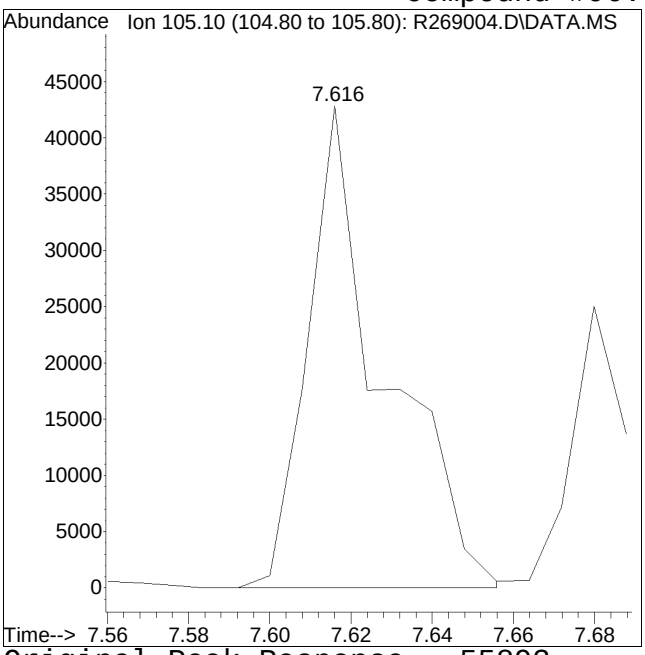
Manual Peak Response = 1182568 M6

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

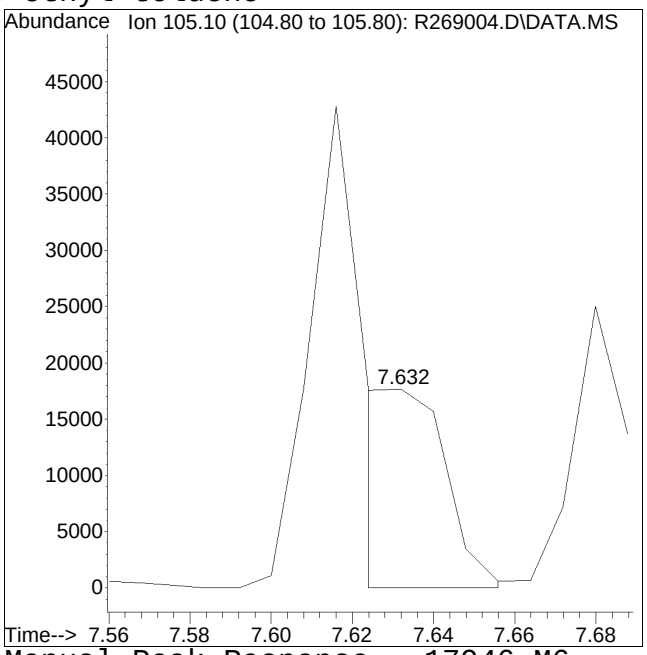
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269004.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 9:39 pm Instrument : Airlab26
Sample : L2612752-03,3,250,250 Quant Date : 3/12/2026 7:01 am

Compound #96: 4-ethyl toluene



Original Peak Response = 55893



Manual Peak Response = 17946 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269005.D
Acq On : 11 Mar 2026 10:10 pm
Operator : AIRLAB26:TPH
Sample : L2612752-04,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 07:02:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	155688	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 99.98%			
43) 1,4-difluorobenzene	4.321	114	514327	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 98.83%			
67) chlorobenzene-D5	6.442	54	73105	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 101.57%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.959	85	14590	0.476	ppbV	95
6) chloromethane	2.002	50	5732	0.512	ppbV	91
7) Freon-114	2.035		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.	d	
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.266	31	150334	25.804	ppbV	93
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.407	43	816034M6	59.746	ppbV	
21) trichlorofluoromethane	2.458	101	7119	0.252	ppbV	99
22) isopropyl alcohol	2.475	45	114241	6.729	ppbV	98
27) tertiary butyl alcohol	2.651	59	17932	0.769	ppbV #	84
28) methylene chloride	2.675	49	7872	0.686	ppbV	91
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.761	76	3329	0.101	ppbV #	1
31) Freon 113	2.761	101	2287	0.090	ppbV	95
32) trans-1,2-dichloroethene	2.978	61	182332	11.479	ppbV	99
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	3.080		0	N.D.		
36) 2-butanone	3.204	43	578998	23.326	ppbV	100
38) Ethyl Acetate	3.491	61	5674	1.128	ppbV #	33
39) chloroform	3.499	83	6646	0.255	ppbV #	83
40) Tetrahydrofuran	3.668	42	143039	13.232	ppbV	96
42) 1,2-dichloroethane	3.806		0	N.D.		
44) hexane	3.484	57	8498	0.405	ppbV #	65
50) benzene	4.133	78	19110	0.438	ppbV	94
53) cyclohexane	4.265	56	3879	0.194	ppbV	91
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269005.D
Acq On : 11 Mar 2026 10:10 pm
Operator : AIRLAB26:TPH
Sample : L2612752-04,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 07:02:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

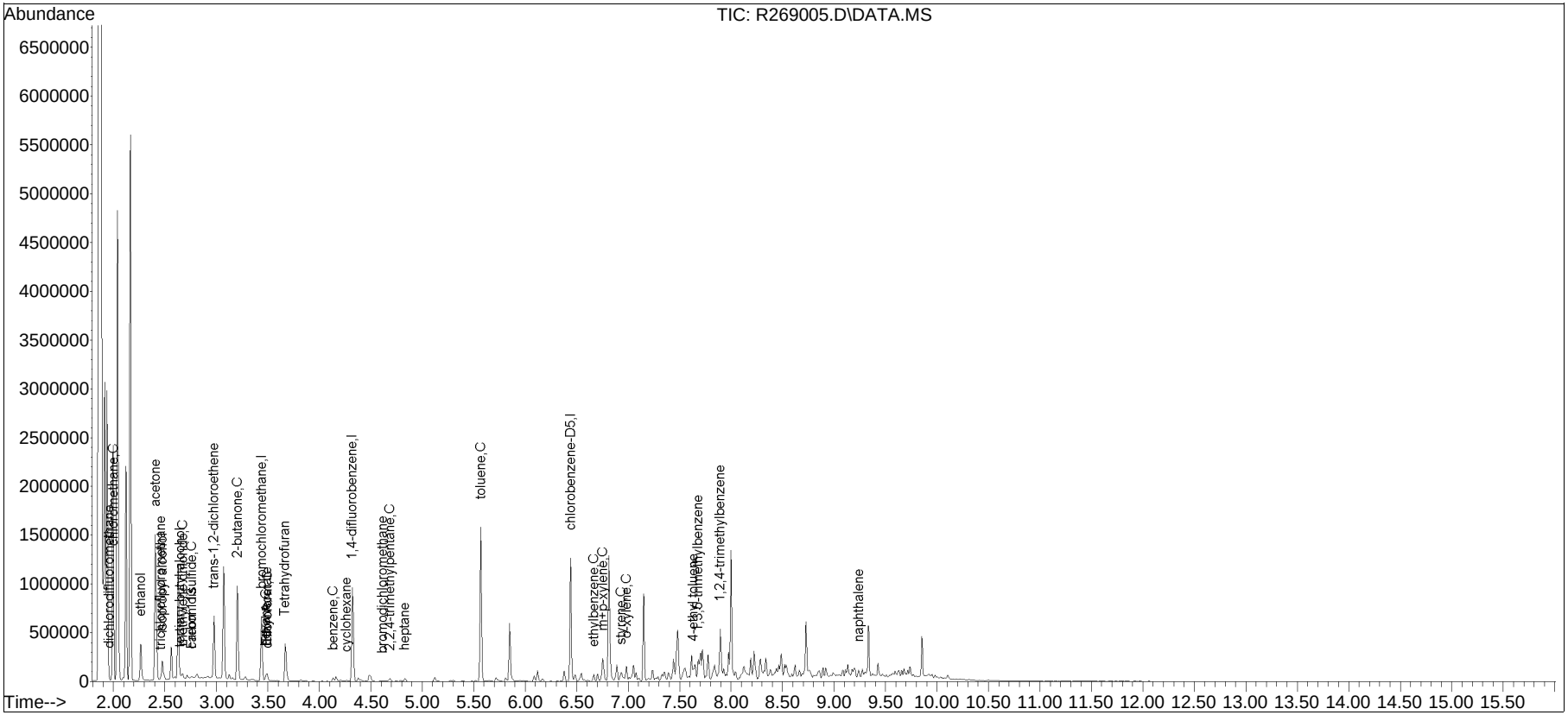
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	4.613	83	806	0.030	ppbV #	94
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	14089	0.233	ppbV #	92
62) heptane	4.830	43	8310	0.408	ppbV	96
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	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	5.569	91	676413	13.049	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	0.000		0	N.D.	d	
81) ethylbenzene	6.666	91	24805	0.381	ppbV	94
83) m+p-xylene	6.753	91	94665	1.890	ppbV	99
84) bromoform	0.000		0	N.D.		
85) styrene	6.931	104	17380	0.445	ppbV	96
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D.	d	
87) o-xylene	6.984	91	42969	0.852	ppbV	97
96) 4-ethyl toluene	7.632	105	39228M6	0.584	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	54131	0.944	ppbV	98
99) 1,2,4-trimethylbenzene	7.896	105	141584	2.461	ppbV #	66
101) Benzyl Chloride	7.952		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	0.000		0	N.D.	d	
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	9.303		0	N.D.		
116) naphthalene	9.239	128	11180	0.118	ppbV #	95
119) hexachlorobutadiene	9.461		0	N.D.		

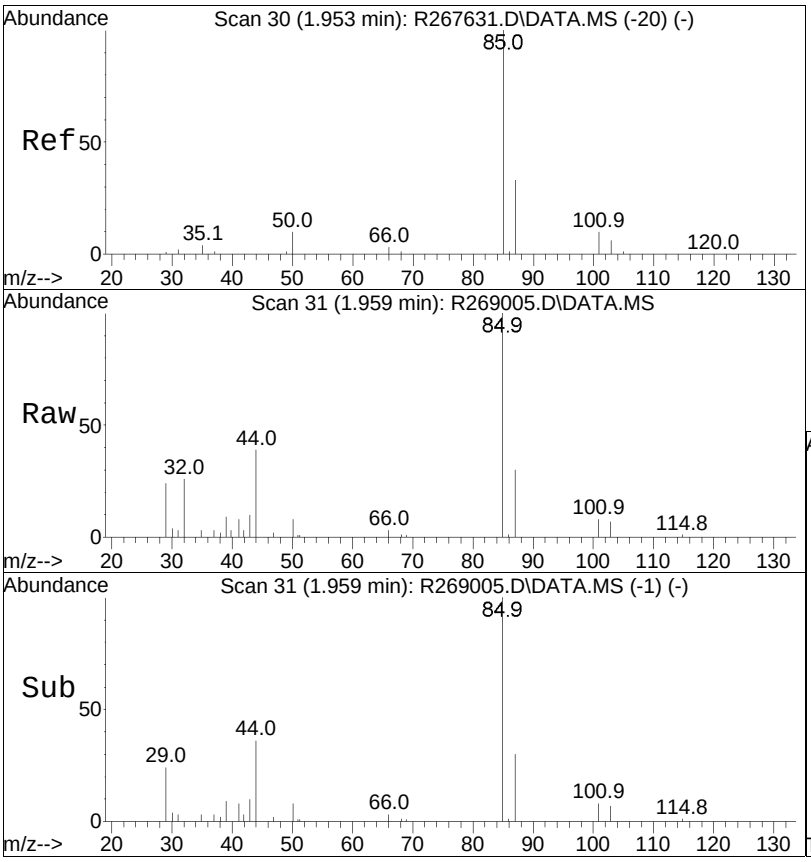
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269005.D
Acq On : 11 Mar 2026 10:10 pm
Operator : AIRLAB26:TPH
Sample : L2612752-04,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 07:02:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

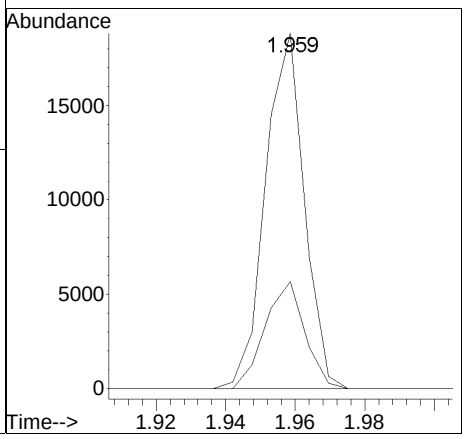


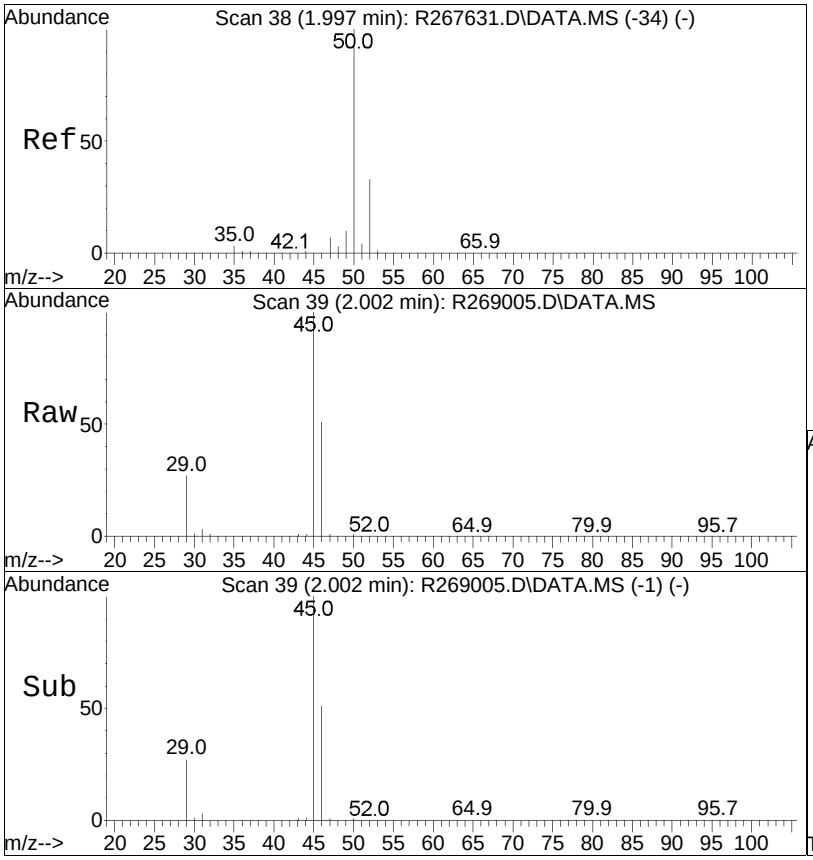


#5
dichlorodifluoromethane
Concen: 0.48 ppbV
RT: 1.959 min Scan# 31
Delta R.T. 0.006 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 85 Resp: 14590

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.2	39.2

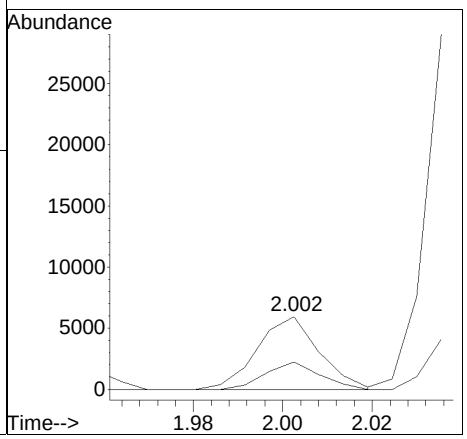


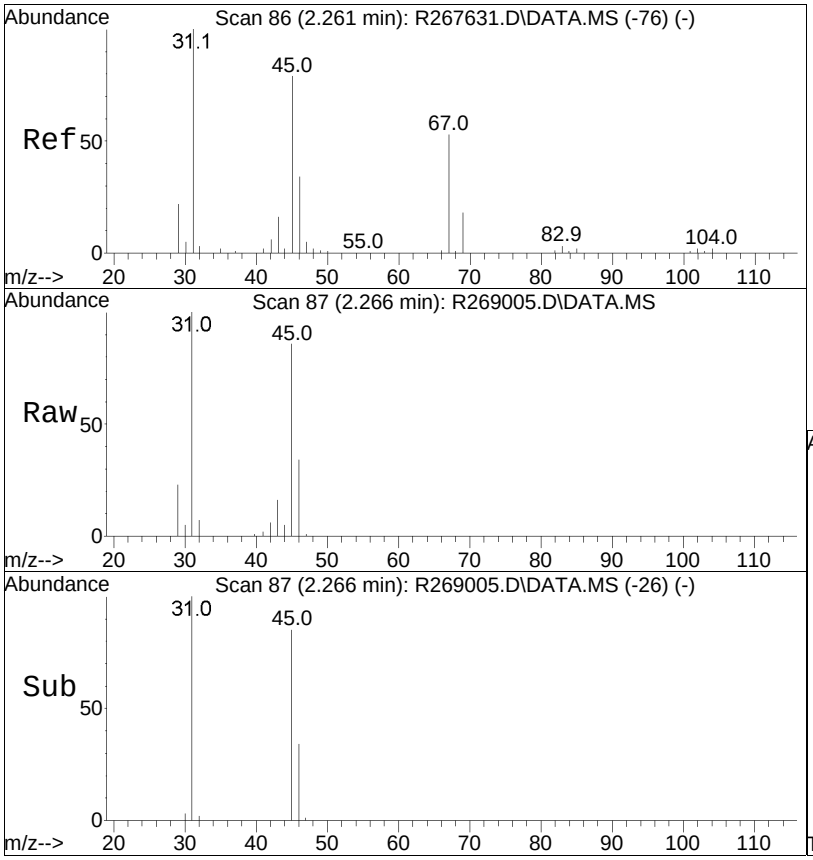


#6
chloromethane
Concen: 0.51 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.006 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 50 Resp: 5732

Ion	Ratio	Lower	Upper
50	100		
52	37.9	26.2	39.4

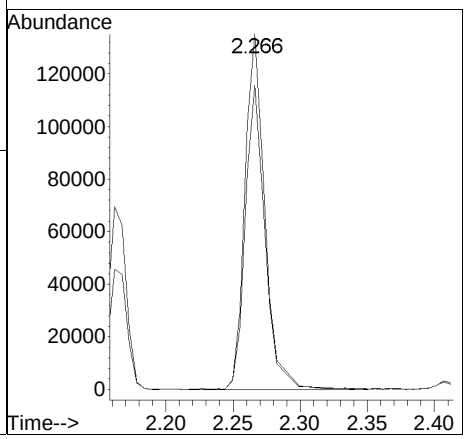


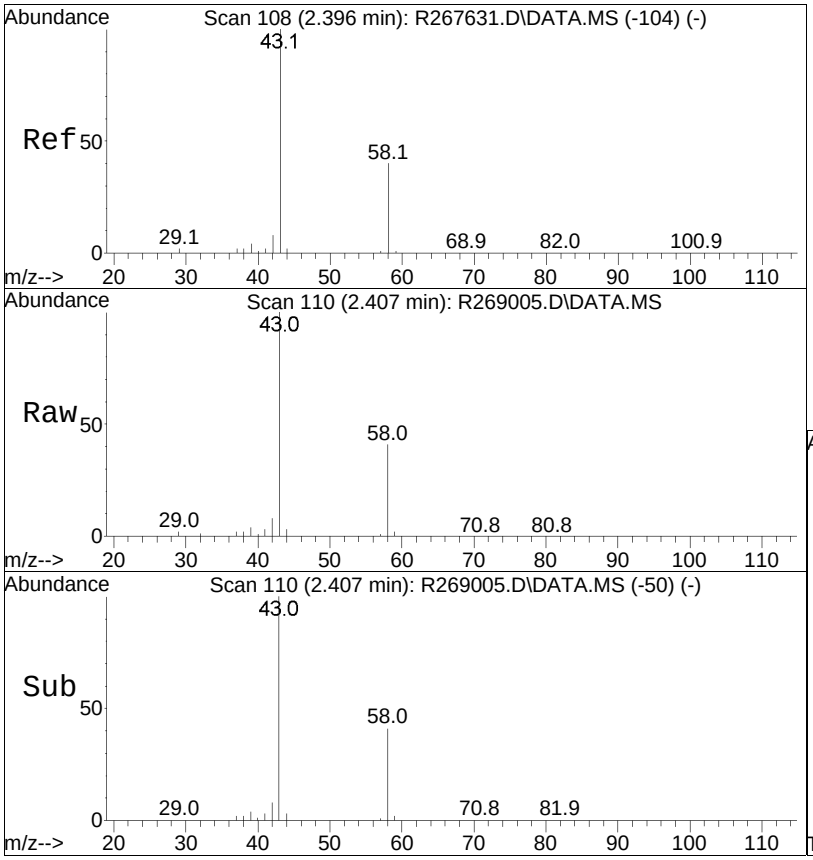


#15
ethanol
Concen: 25.80 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.006 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 31 Resp: 150334

Ion	Ratio	Lower	Upper
31	100		
45	85.6	63.4	95.0

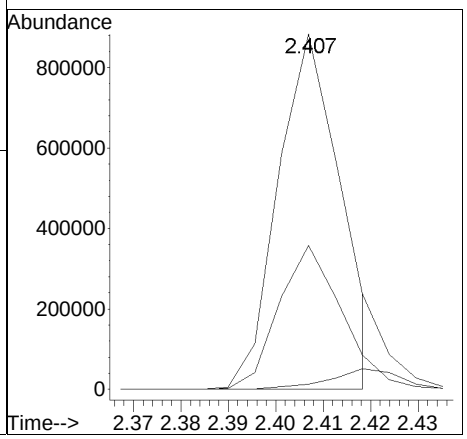


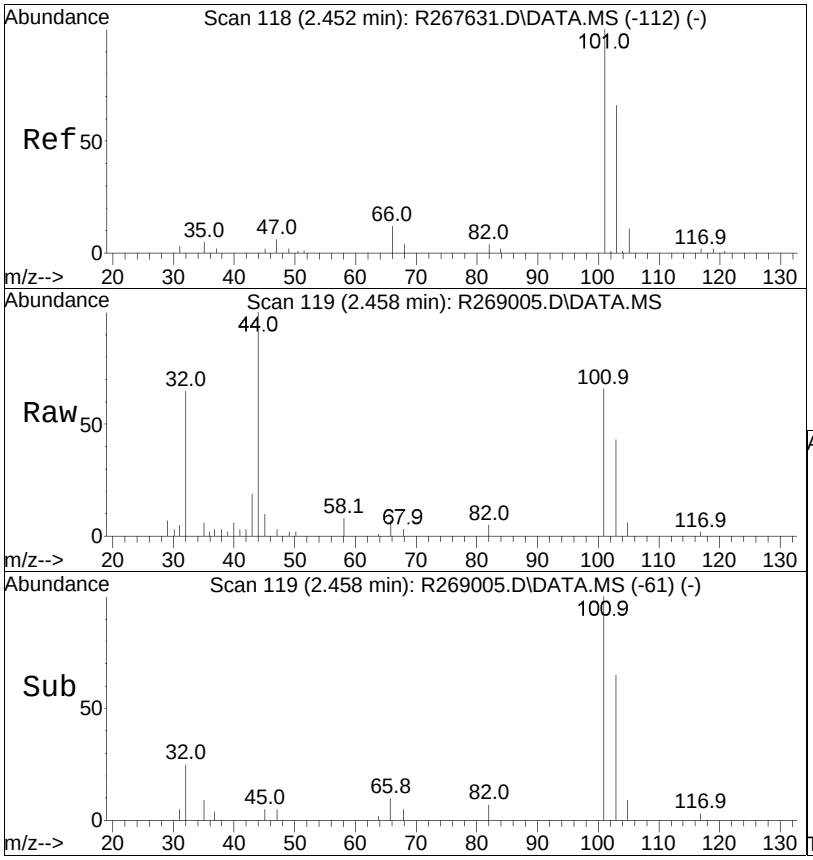


#19
acetone
Concen: 59.75 ppbV m
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 43 Resp: 816034

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.2	48.2
57	1.5	1.0	1.4#

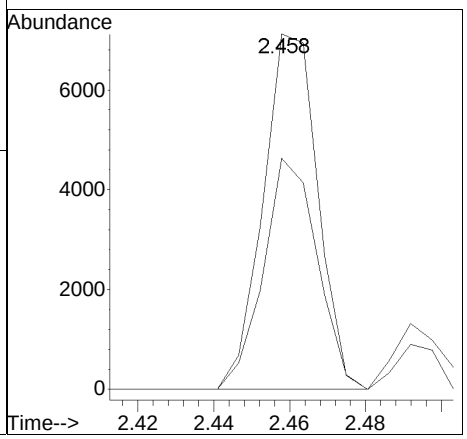


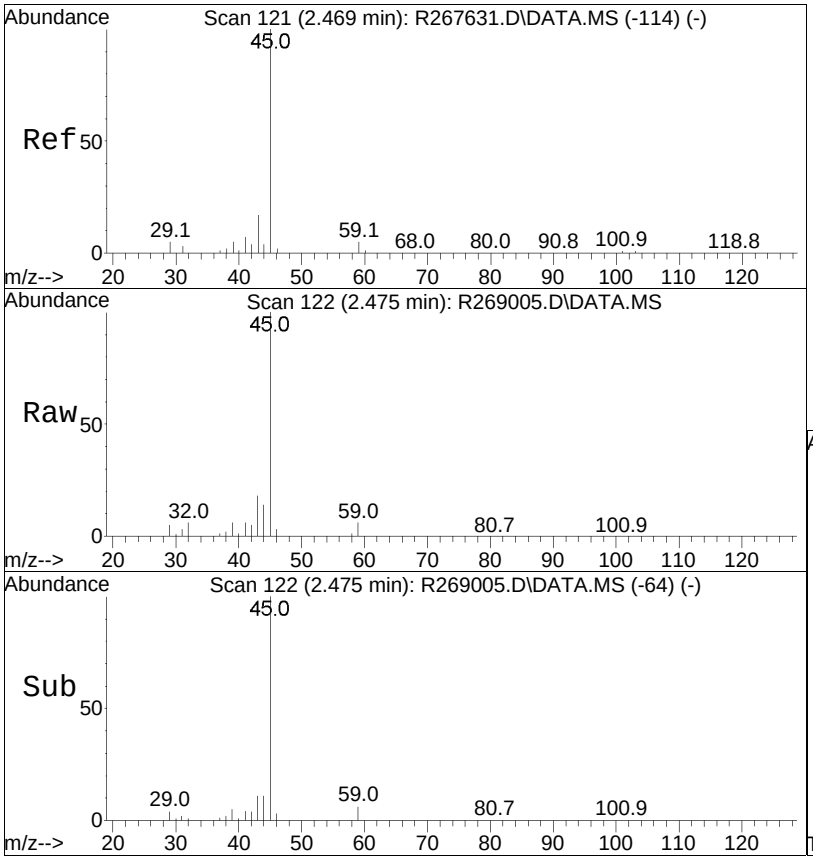


#21
trichlorofluoromethane
Concen: 0.25 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.006 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:101 Resp: 7119

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

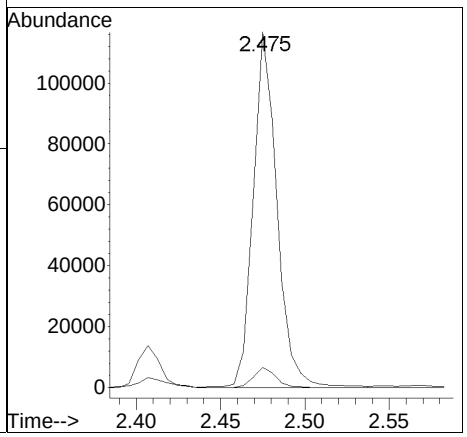


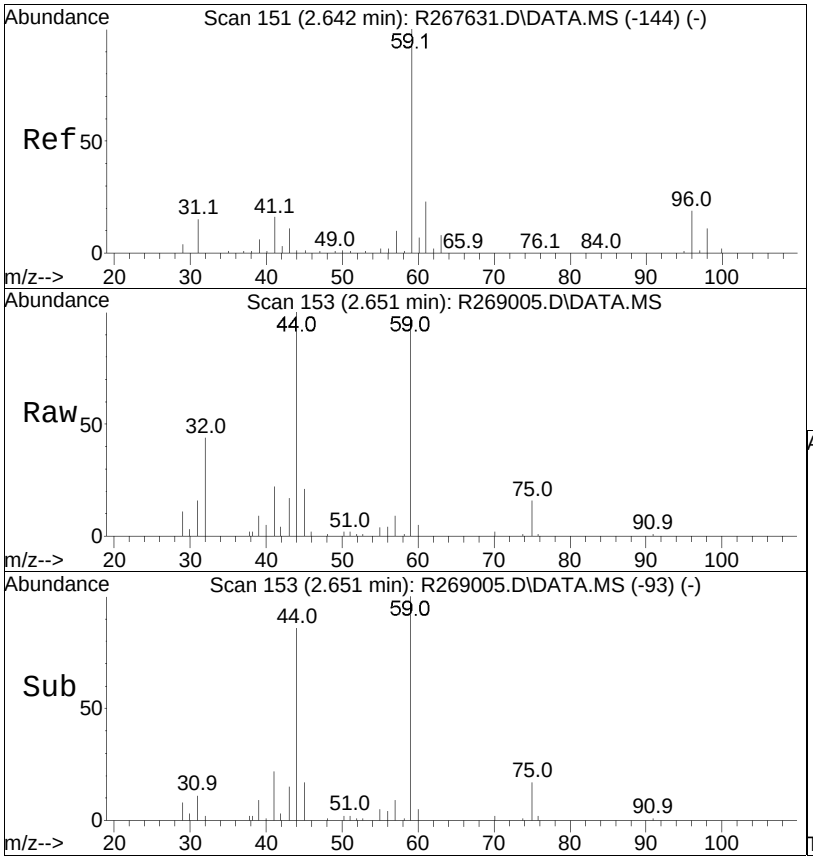


#22
isopropyl alcohol
Concen: 6.73 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.006 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 45 Resp: 114241

Ion	Ratio	Lower	Upper
45	100		
59	5.7	4.0	6.0

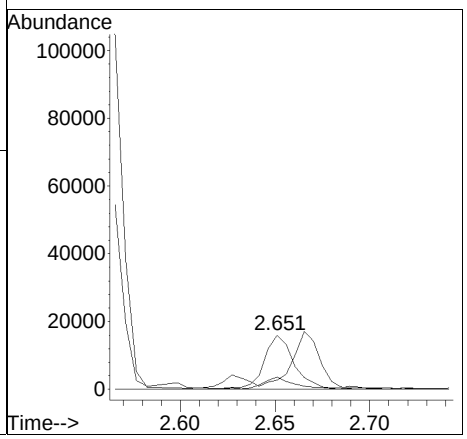


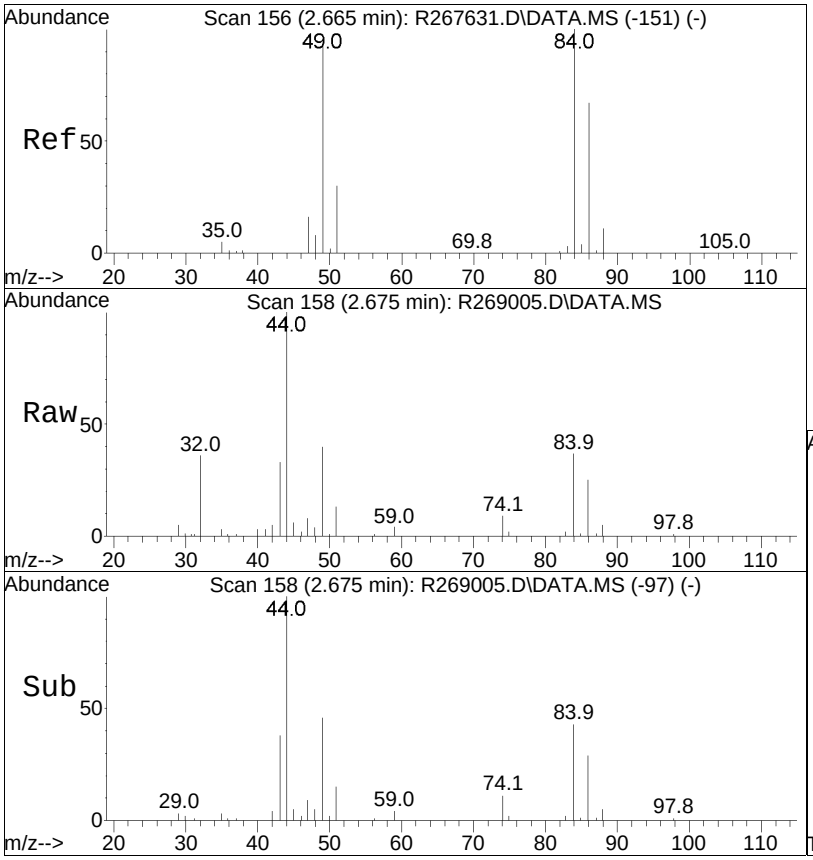


#27
tertiary butyl alcohol
Concen: 0.77 ppbV
RT: 2.651 min Scan# 153
Delta R.T. 0.010 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 59 Resp: 17932

Ion	Ratio	Lower	Upper
59	100		
41	22.9	13.1	19.7#
43	17.2	8.8	13.2#

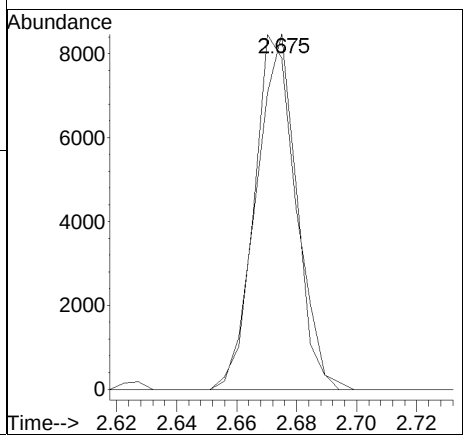


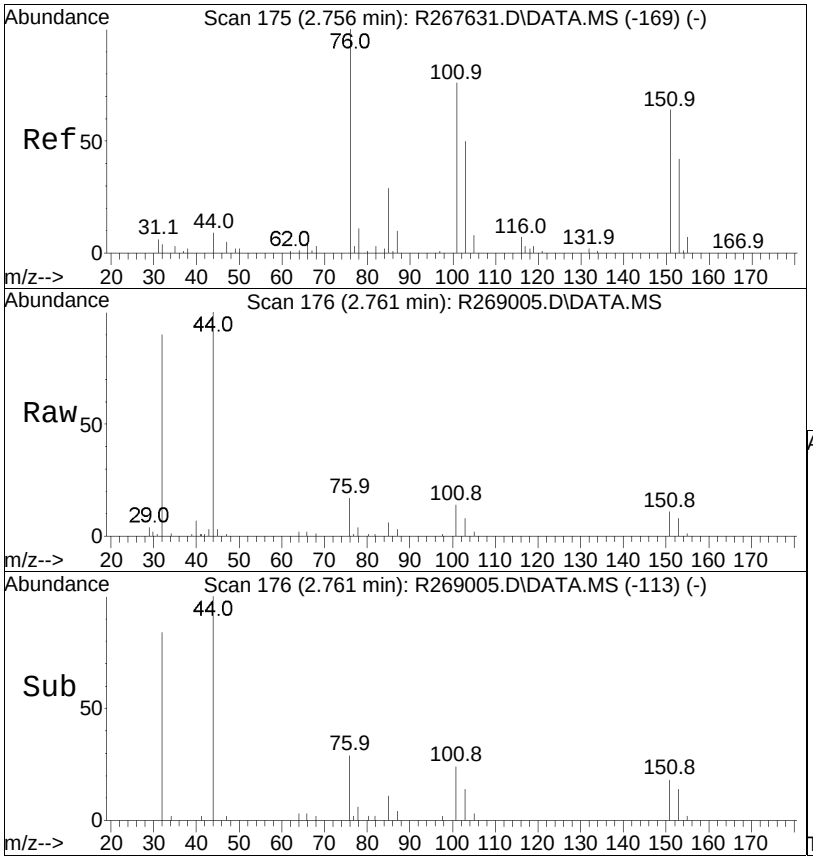


#28
methylene chloride
Concen: 0.69 ppbV
RT: 2.675 min Scan# 158
Delta R.T. 0.010 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 49 Resp: 7872

Ion	Ratio	Lower	Upper
49	100		
84	93.2	82.0	123.0

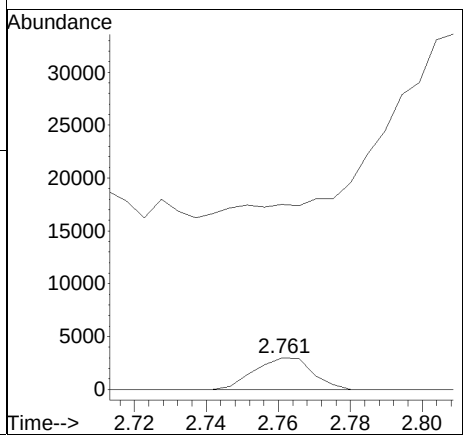


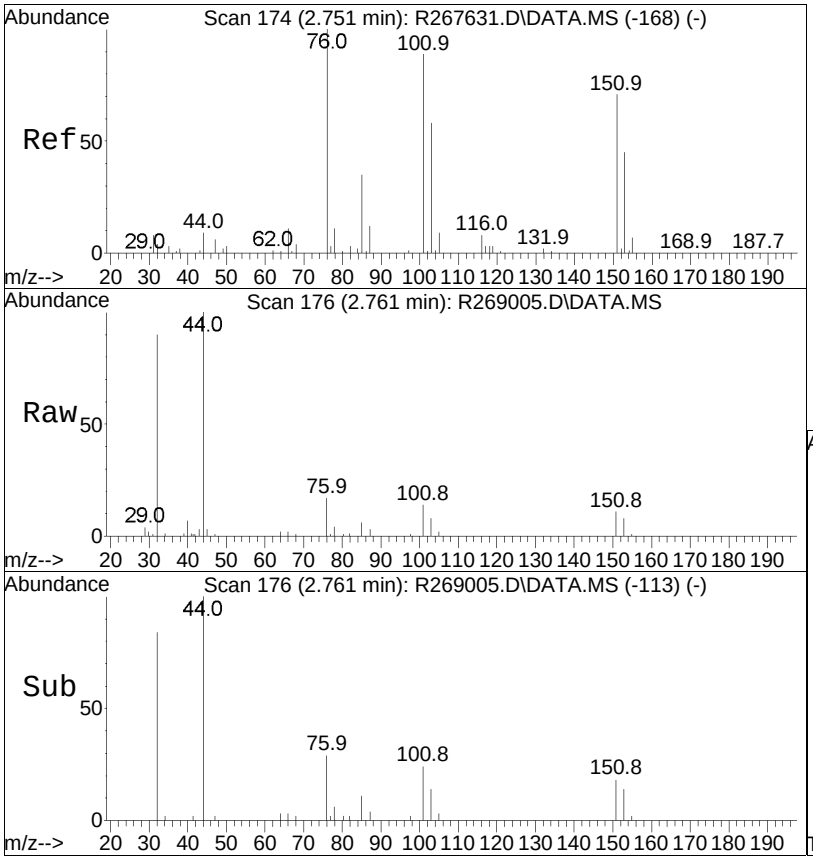


#30
carbon disulfide
Concen: 0.10 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.005 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 76 Resp: 3329

Ion	Ratio	Lower	Upper
76	100		
44	590.0	8.6	13.0#

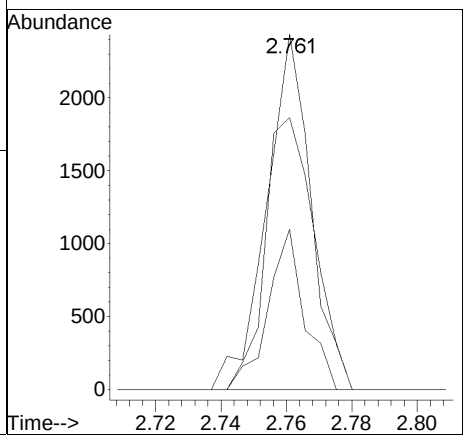


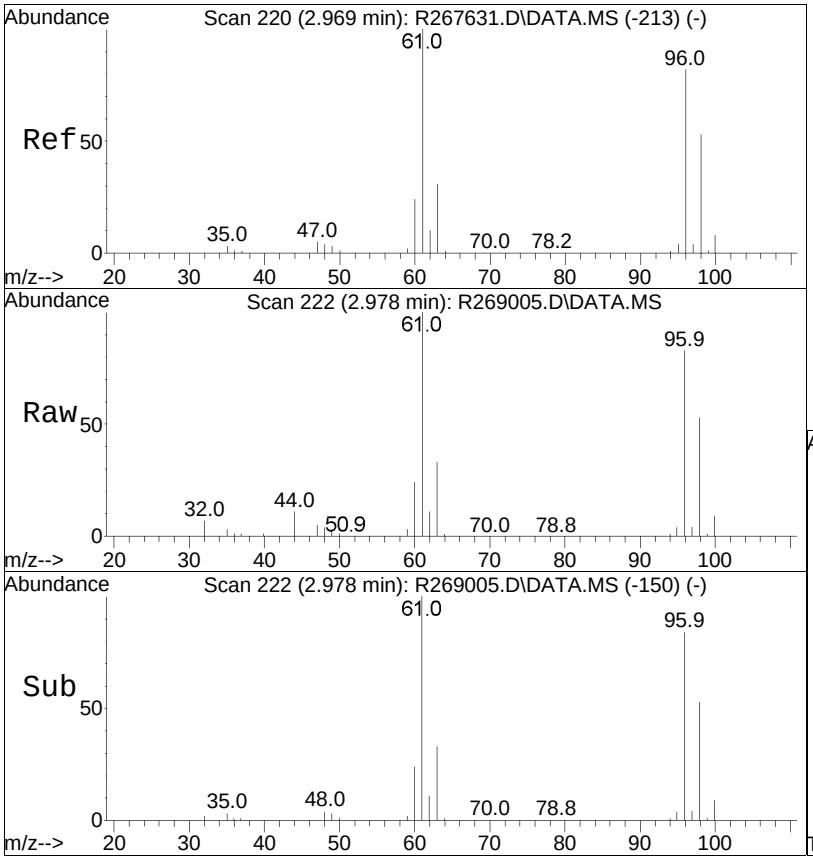


#31
Freon 113
Concen: 0.09 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.010 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:101 Resp: 2287

Ion	Ratio	Lower	Upper
101	100		
85	45.1	32.0	48.0
151	76.5	64.0	96.0

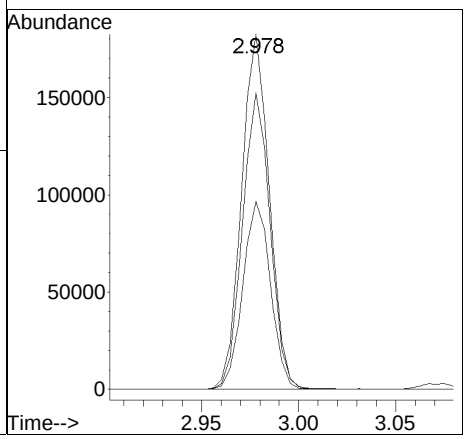


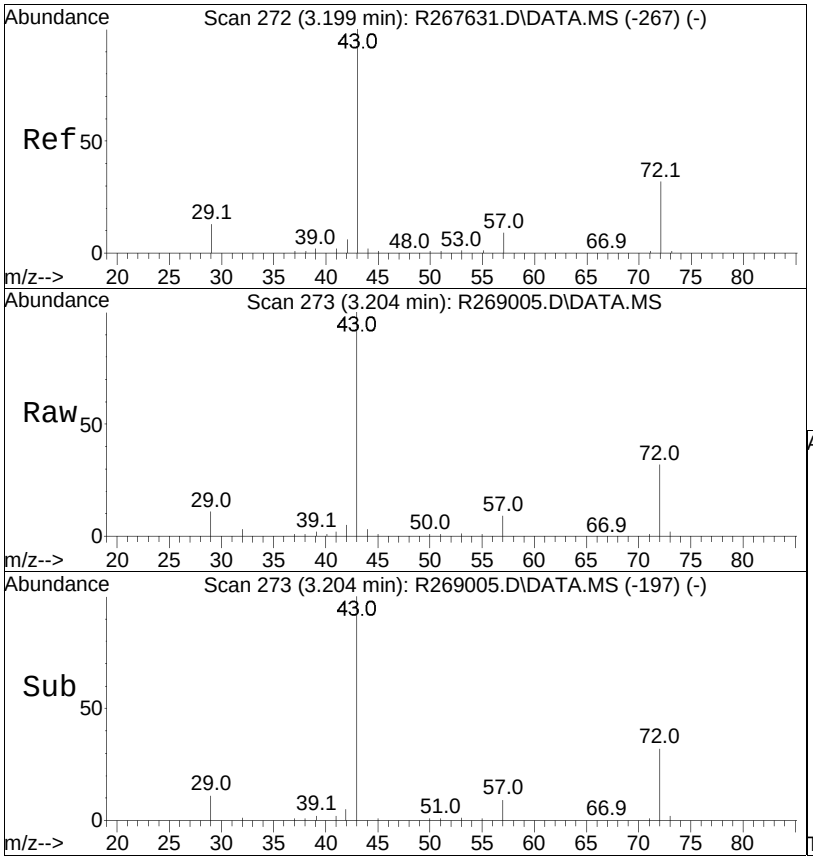


#32
trans-1,2-dichloroethene
Concen: 11.48 ppbV
RT: 2.978 min Scan# 222
Delta R.T. 0.009 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 61 Resp: 182332

Ion	Ratio	Lower	Upper
61	100		
96	83.5	65.8	98.6
98	52.9	42.4	63.6

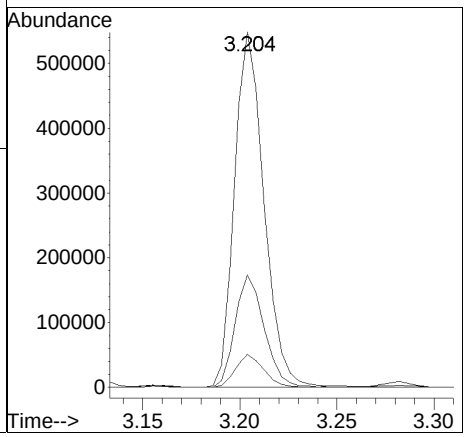


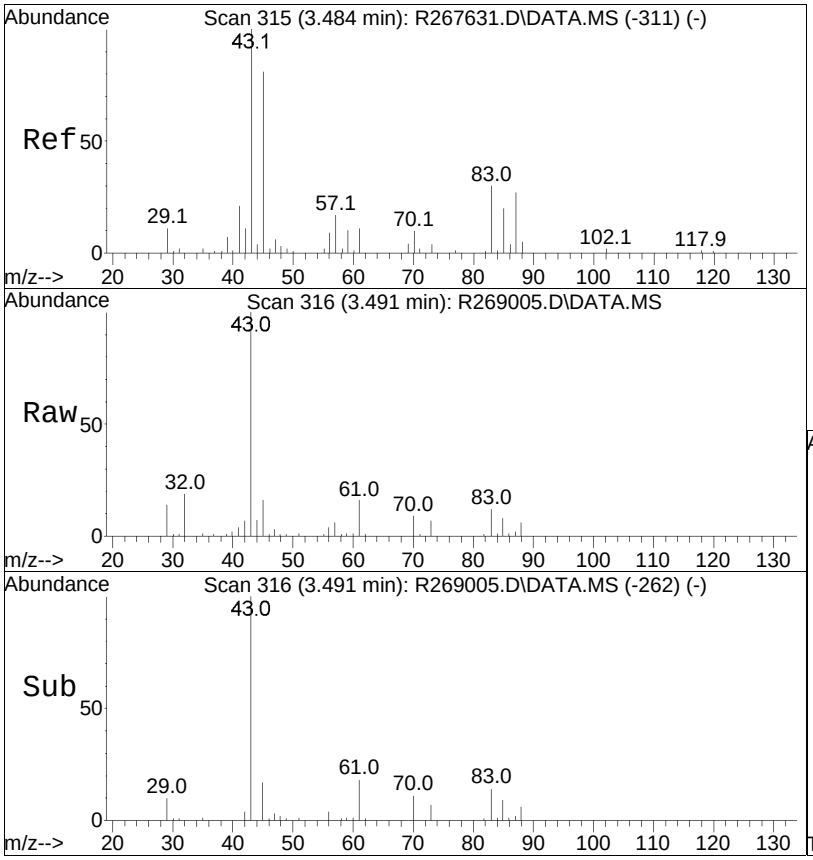


#36
2-butanone
Concen: 23.33 ppbV
RT: 3.204 min Scan# 273
Delta R.T. 0.004 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 43 Resp: 578998

Ion	Ratio	Lower	Upper
43	100		
72	31.6	25.1	37.7
57	9.3	7.4	11.2

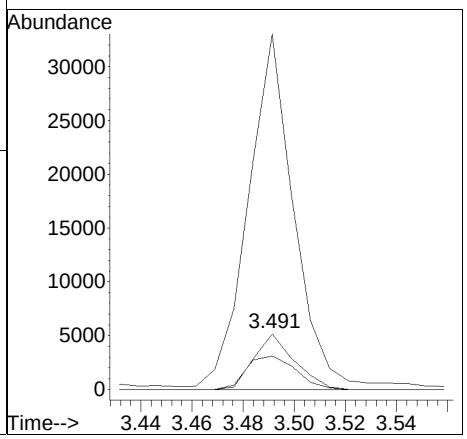


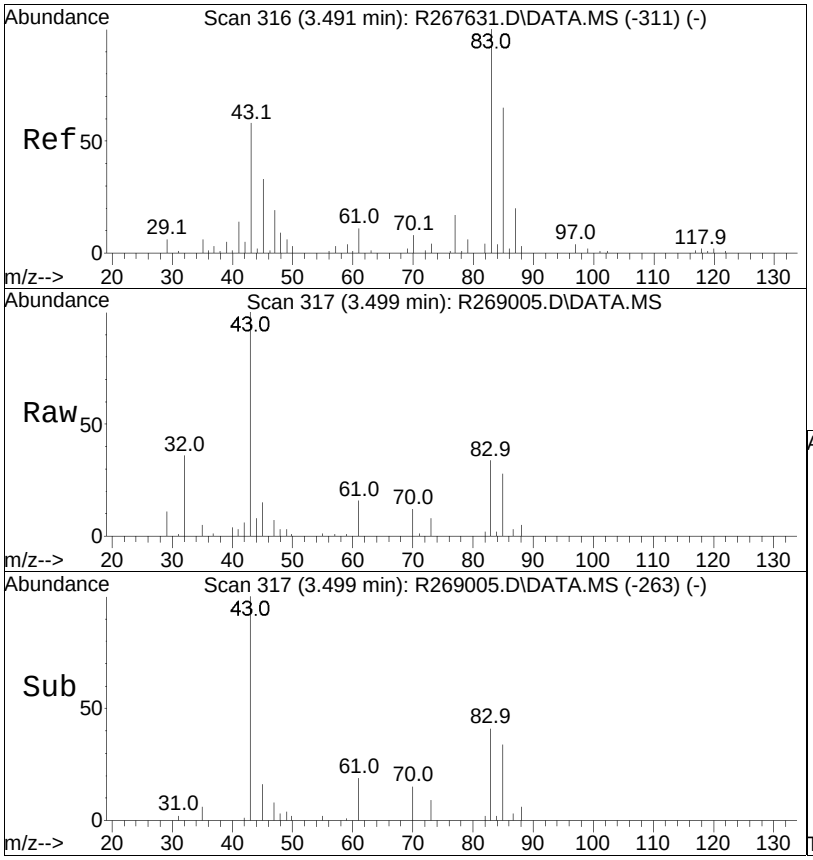


#38
Ethyl Acetate
Concen: 1.13 ppbV
RT: 3.491 min Scan# 316
Delta R.T. 0.008 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 61 Resp: 5674

Ion	Ratio	Lower	Upper
61	100		
70	60.3	73.9	110.9#
43	641.4	752.6	1128.8#

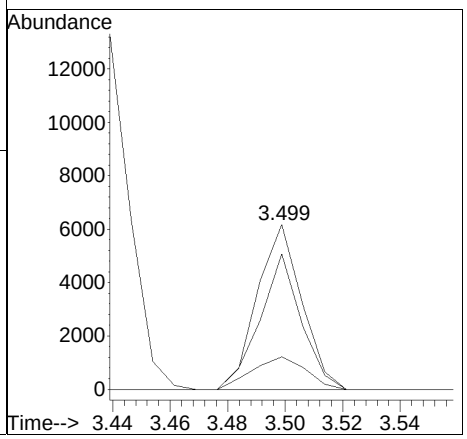


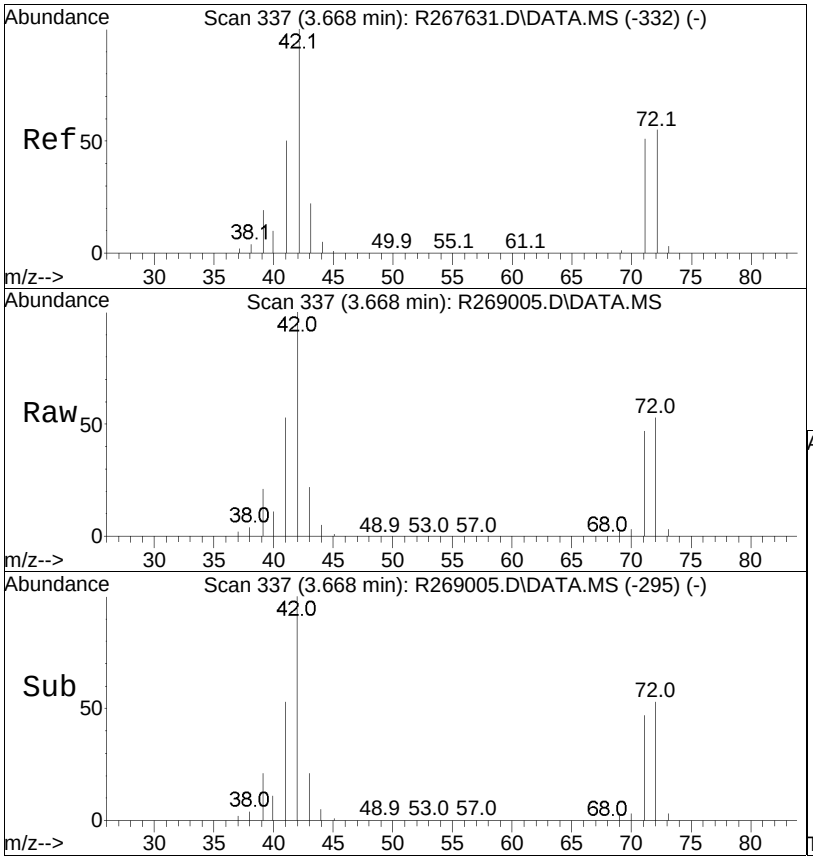


#39
chloroform
Concen: 0.26 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.008 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 83 Resp: 6646

Ion	Ratio	Lower	Upper
83	100		
85	82.2	51.9	77.9#
47	19.7	15.4	23.2

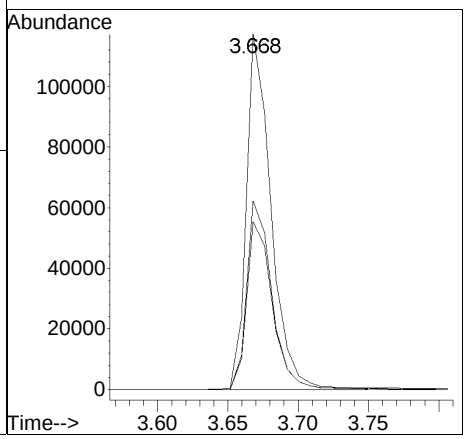


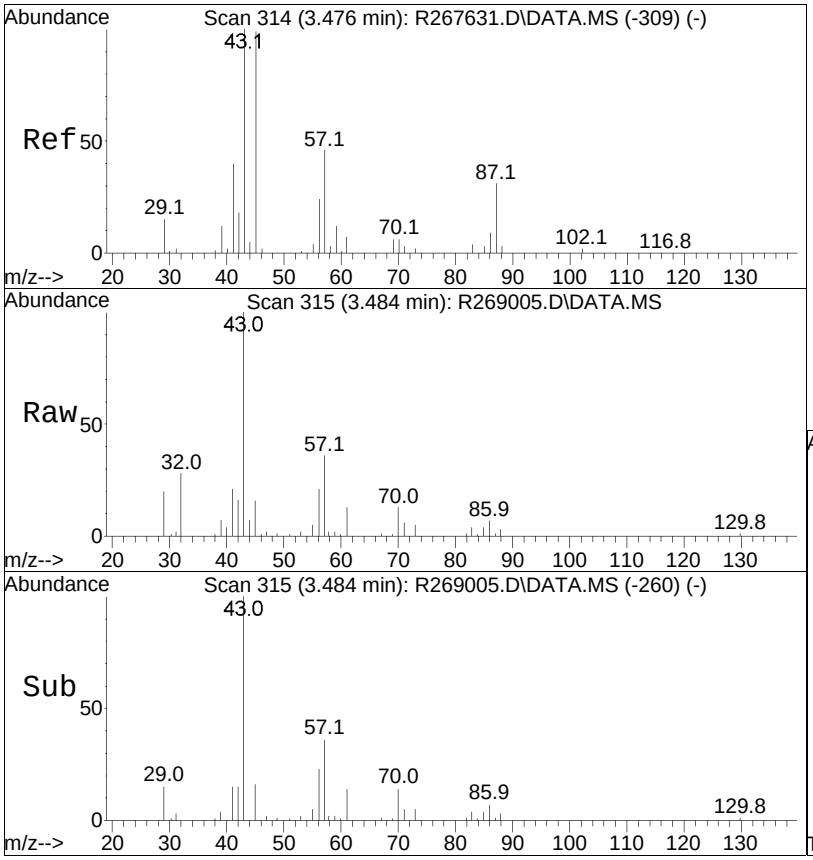


#40
Tetrahydrofuran
Concen: 13.23 ppbV
RT: 3.668 min Scan# 337
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 42 Resp: 143039

Ion	Ratio	Lower	Upper
42	100		
71	47.3	41.0	61.6
72	53.1	44.2	66.2

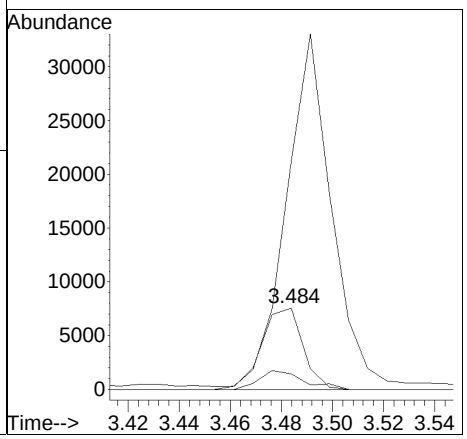


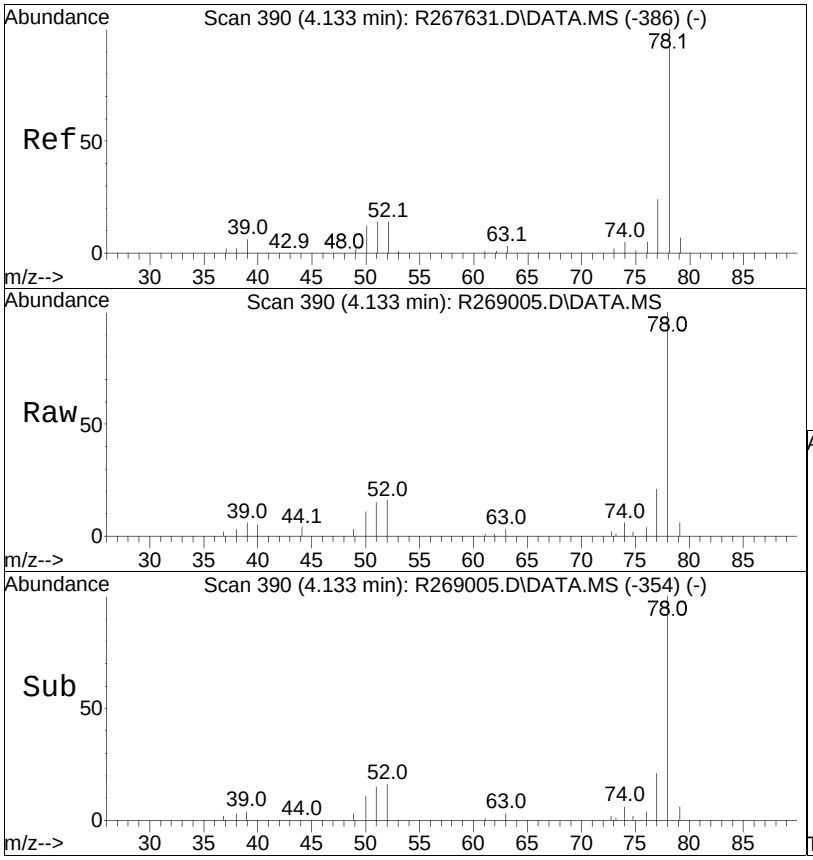


#44
hexane
Concen: 0.40 ppbV
RT: 3.484 min Scan# 315
Delta R.T. 0.008 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 57 Resp: 8498

Ion	Ratio	Lower	Upper
57	100		
43	280.6	175.4	263.0#
86	19.1	16.1	24.1

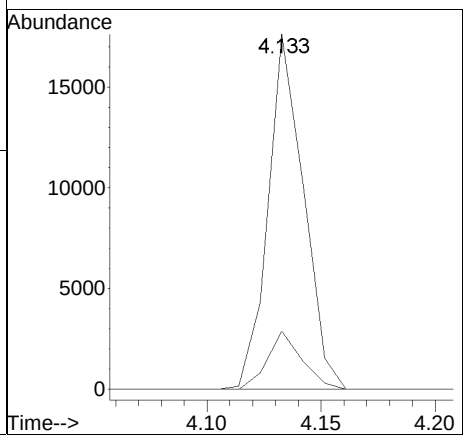


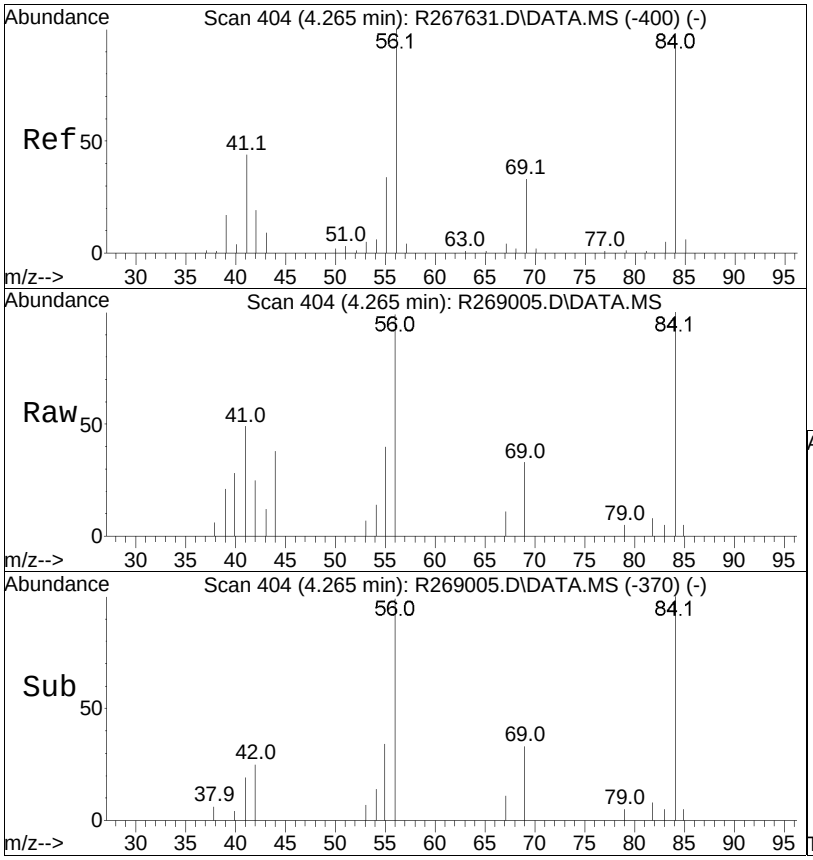


#50
benzene
Concen: 0.44 ppbV
RT: 4.133 min Scan# 390
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 78 Resp: 19110

Ion	Ratio	Lower	Upper
78	100		
52	16.4	11.3	16.9

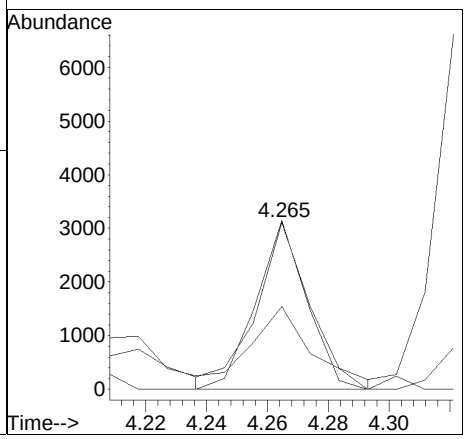


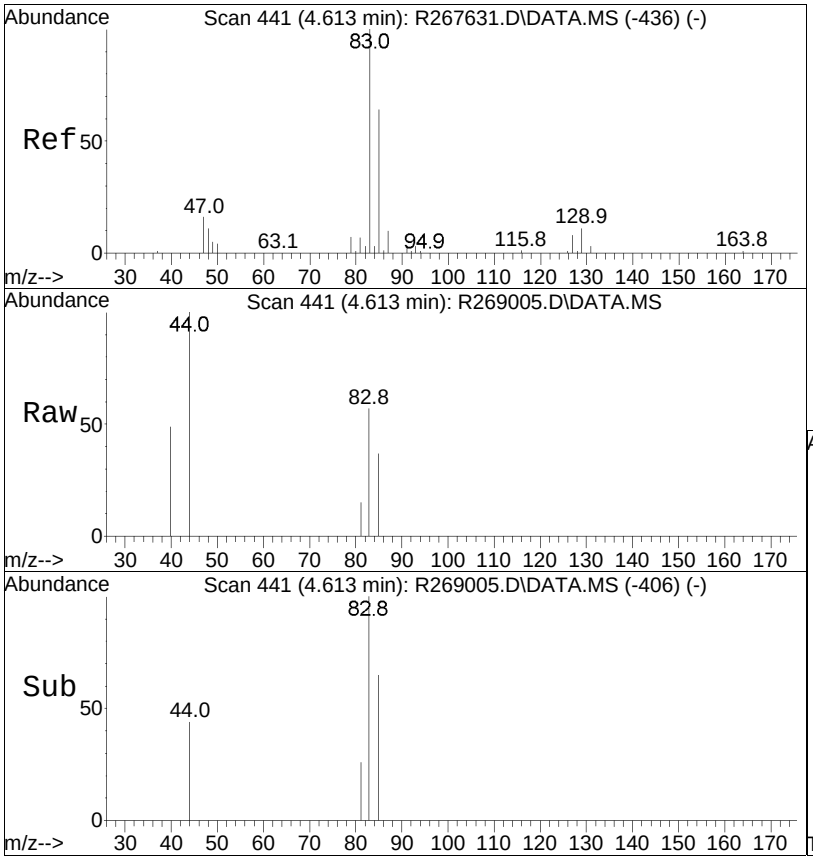


#53
cyclohexane
Concen: 0.19 ppbV
RT: 4.265 min Scan# 404
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 56 Resp: 3879

Ion	Ratio	Lower	Upper
56	100		
84	101.2	73.7	110.5
41	49.6	35.0	52.4

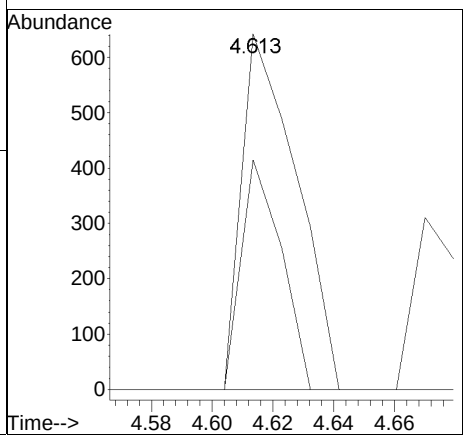


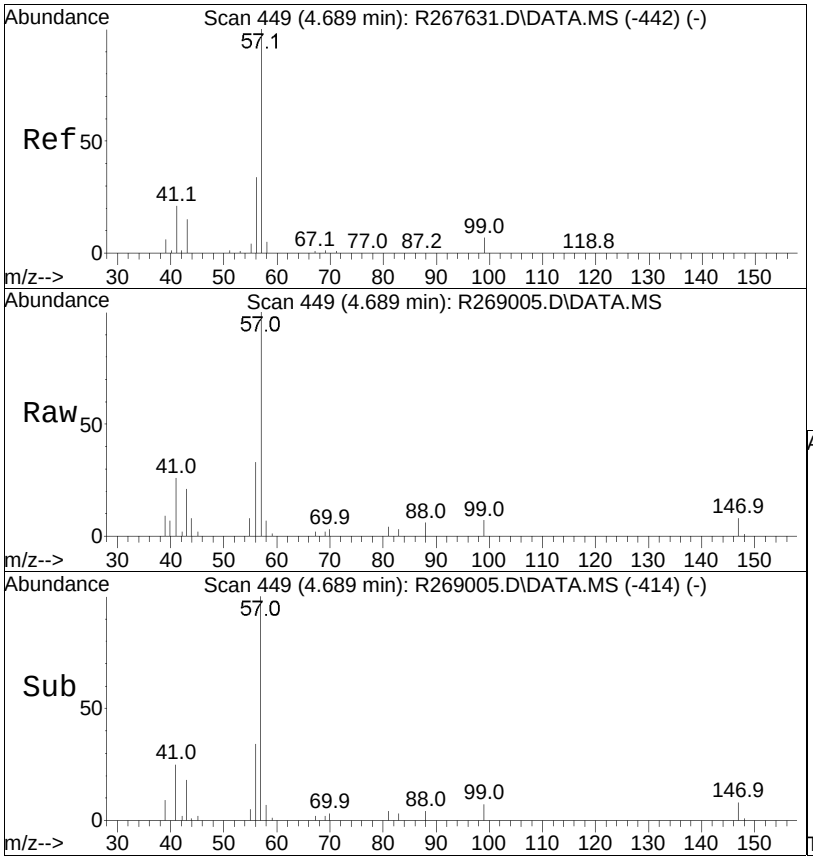


#57
bromodichloromethane
Concen: 0.03 ppbV
RT: 4.613 min Scan# 441
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 83 Resp: 806

Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
129	0.0	9.0	13.4#

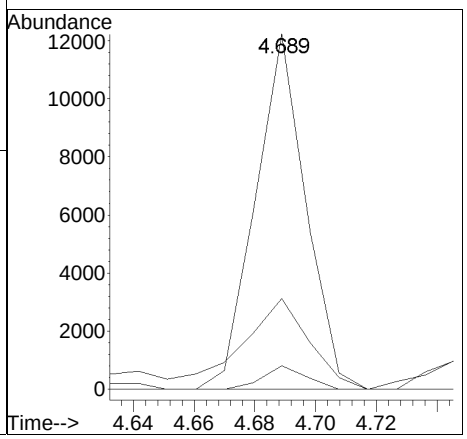


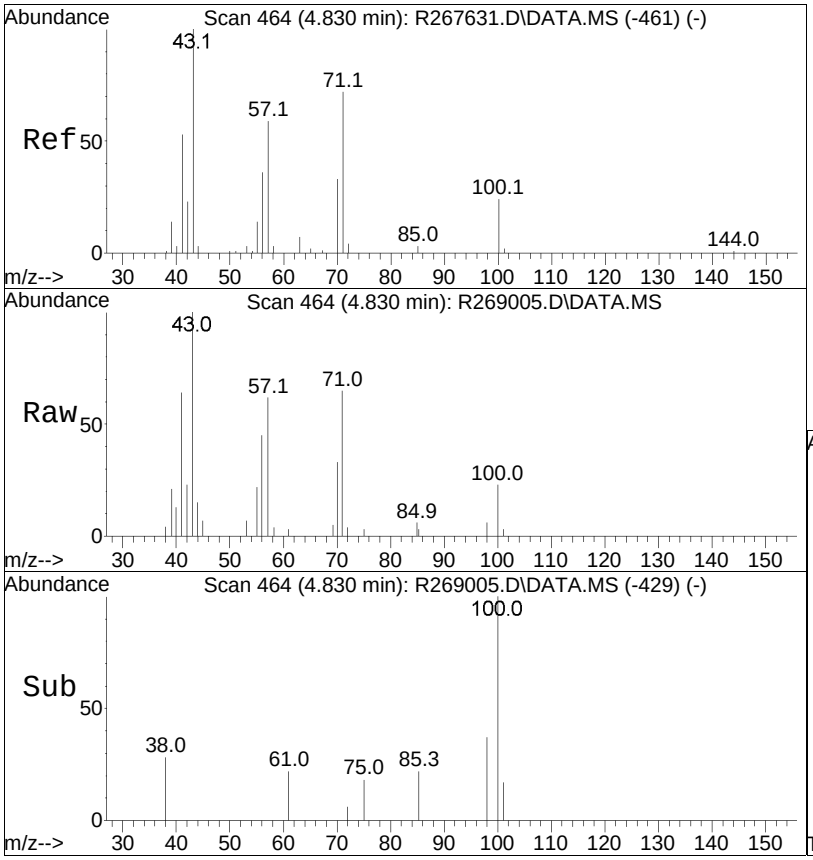


#60
2,2,4-trimethylpentane
Concen: 0.23 ppbV
RT: 4.689 min Scan# 449
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 57 Resp: 14089

Ion	Ratio	Lower	Upper
57	100		
99	6.7	5.4	8.2
41	25.6	16.7	25.1#

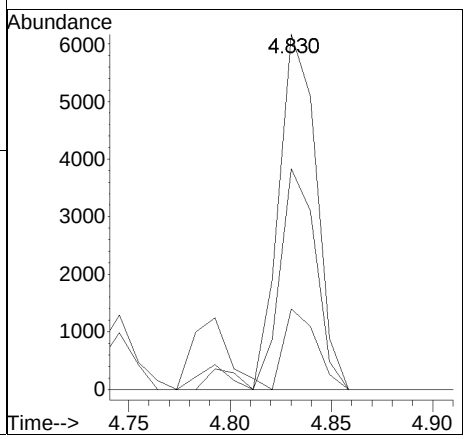


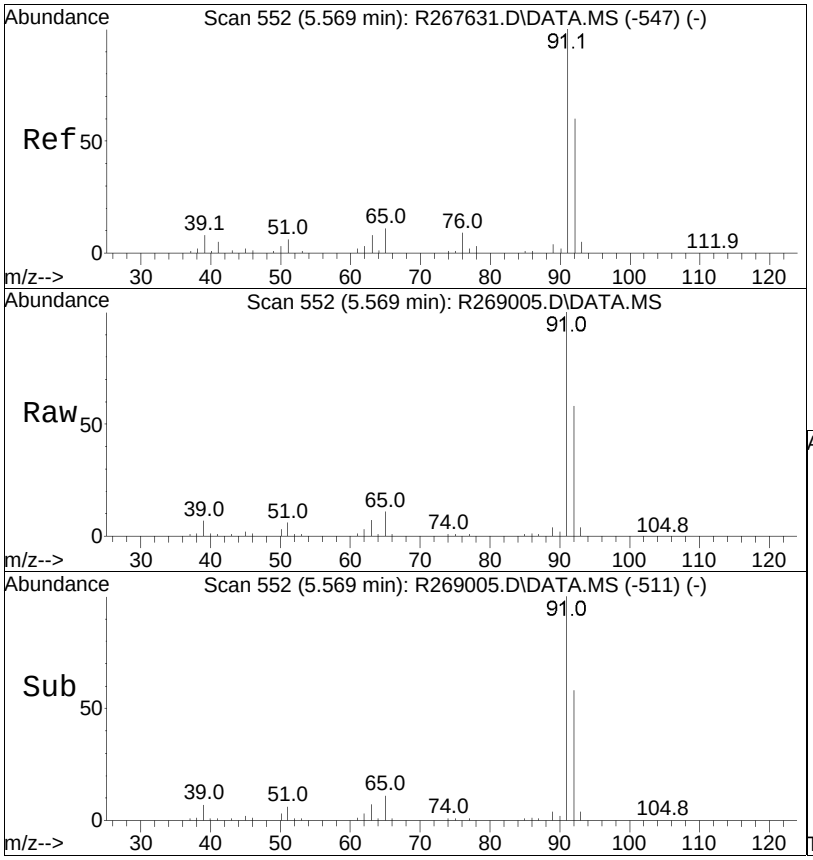


#62
heptane
Concen: 0.41 ppbV
RT: 4.830 min Scan# 464
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 43 Resp: 8310

Ion	Ratio	Lower	Upper
43	100		
57	62.1	47.2	70.8
100	22.7	19.8	29.8

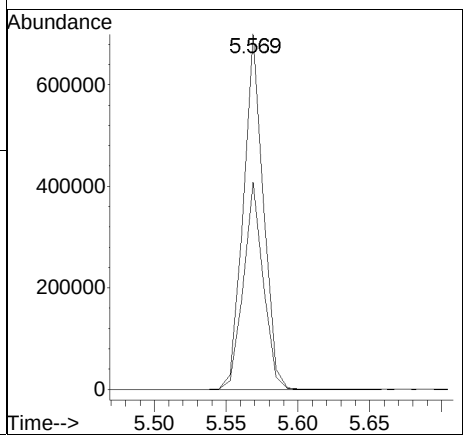


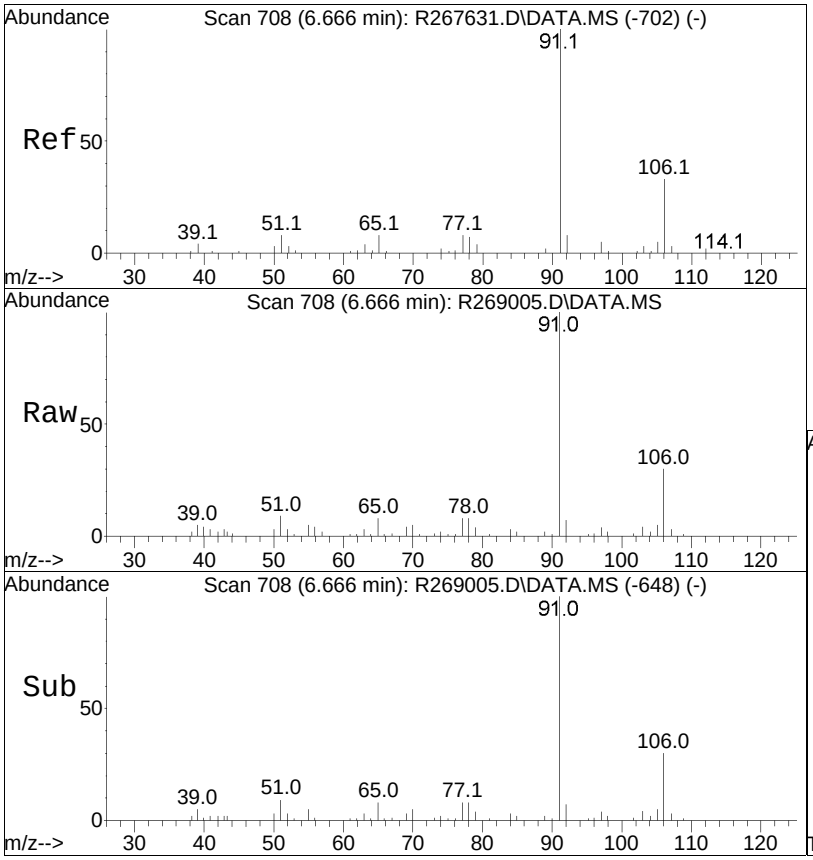


#68
toluene
Concen: 13.05 ppbV
RT: 5.569 min Scan# 552
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 91 Resp: 676413

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.3	72.5

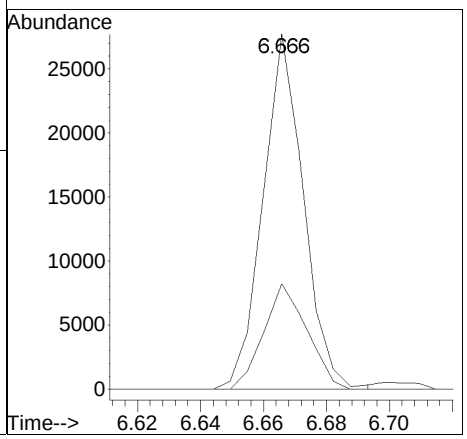


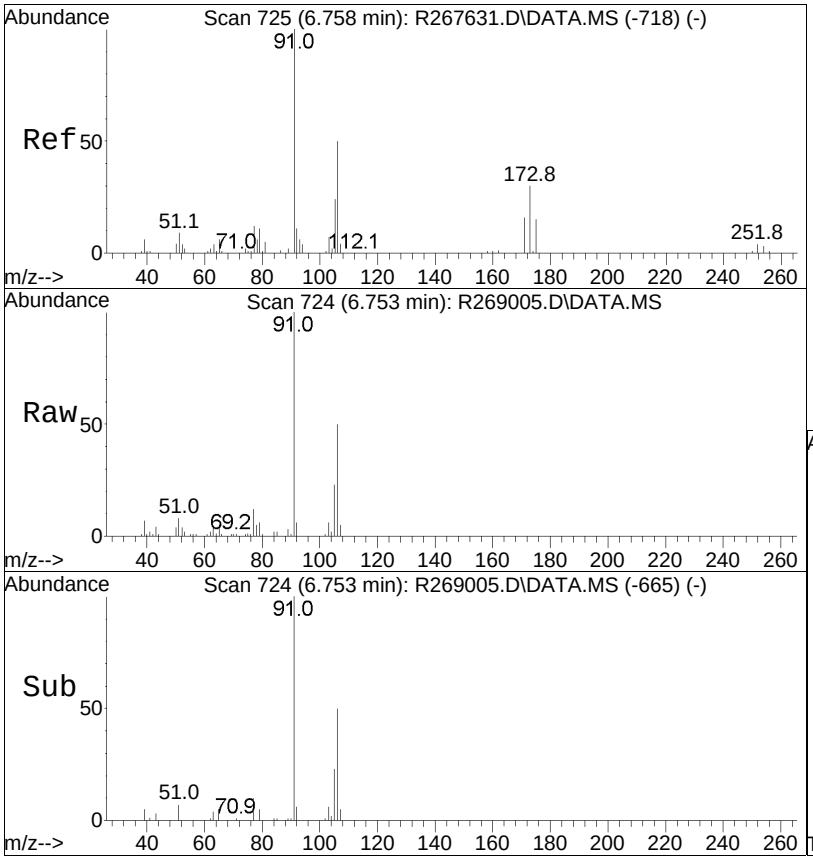


#81
ethylbenzene
Concen: 0.38 ppbV
RT: 6.666 min Scan# 708
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 91 Resp: 24805

Ion	Ratio	Lower	Upper
91	100		
106	29.8	26.3	39.5

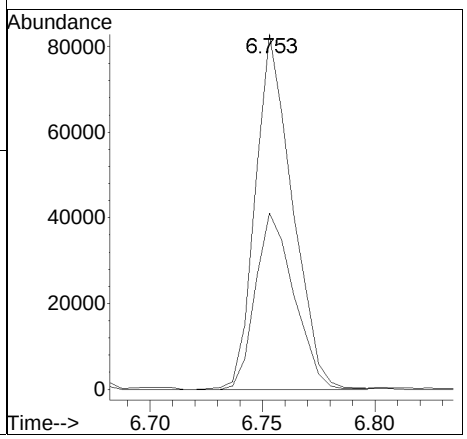


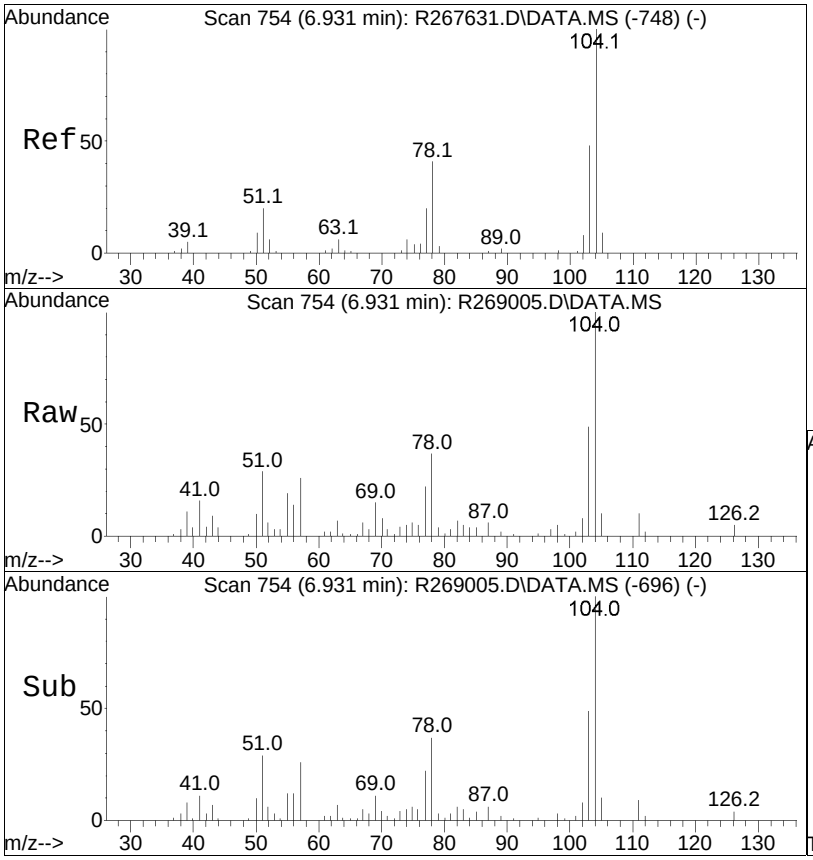


#83
m+p-xylene
Concen: 1.89 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.005 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 91 Resp: 94665

Ion	Ratio	Lower	Upper
91	100		
106	49.6	40.1	60.1

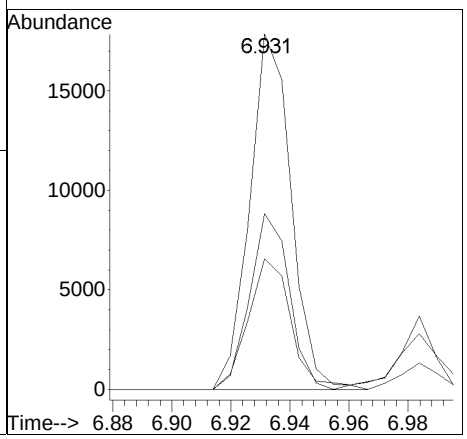


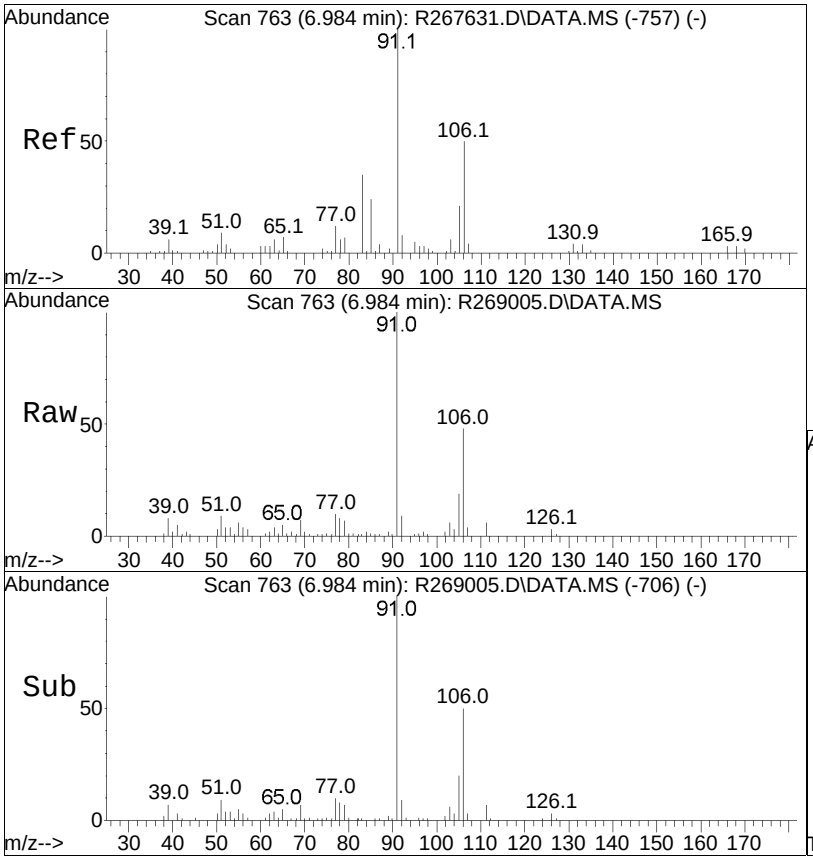


#85
styrene
Concen: 0.44 ppbV
RT: 6.931 min Scan# 754
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:104 Resp: 17380

Ion	Ratio	Lower	Upper
104	100		
103	49.5	38.6	57.8
78	36.8	32.5	48.7

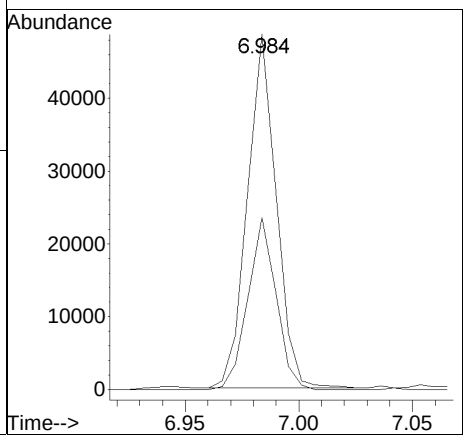


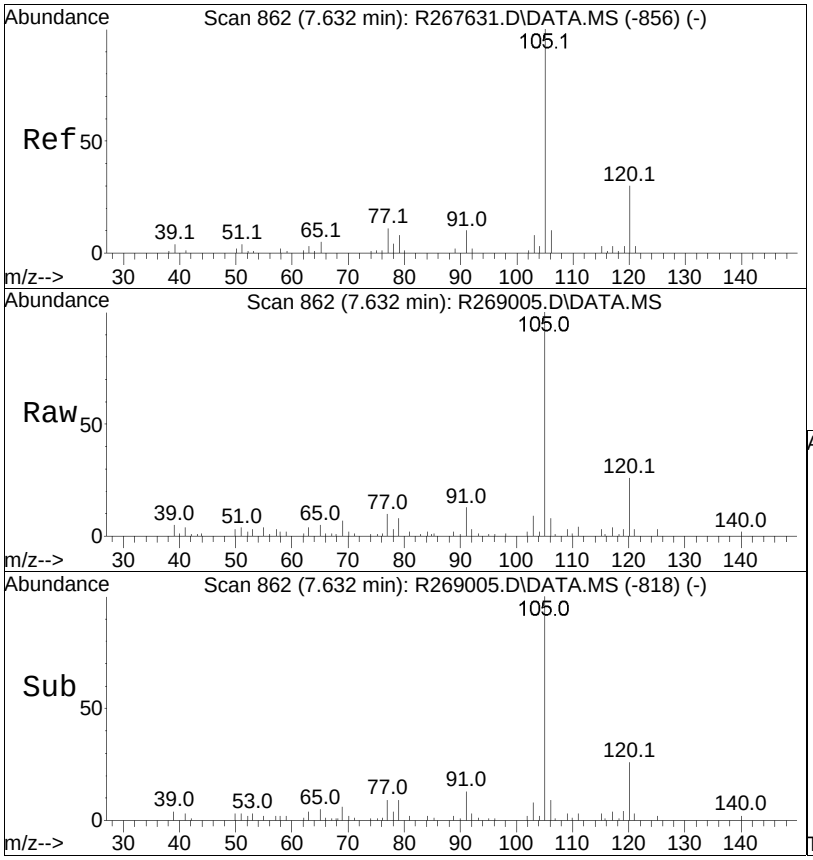


#87
o-xylene
Concen: 0.85 ppbV
RT: 6.984 min Scan# 763
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion: 91 Resp: 42969

Ion	Ratio	Lower	Upper
91	100		
106	48.4	40.2	60.2

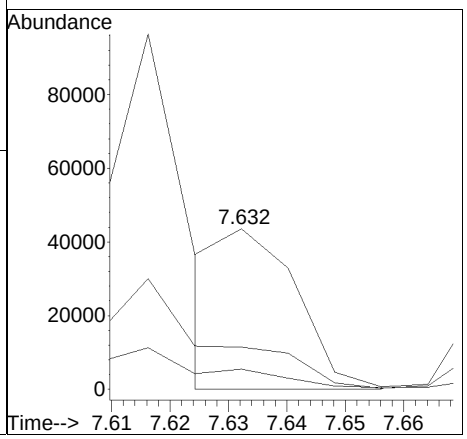


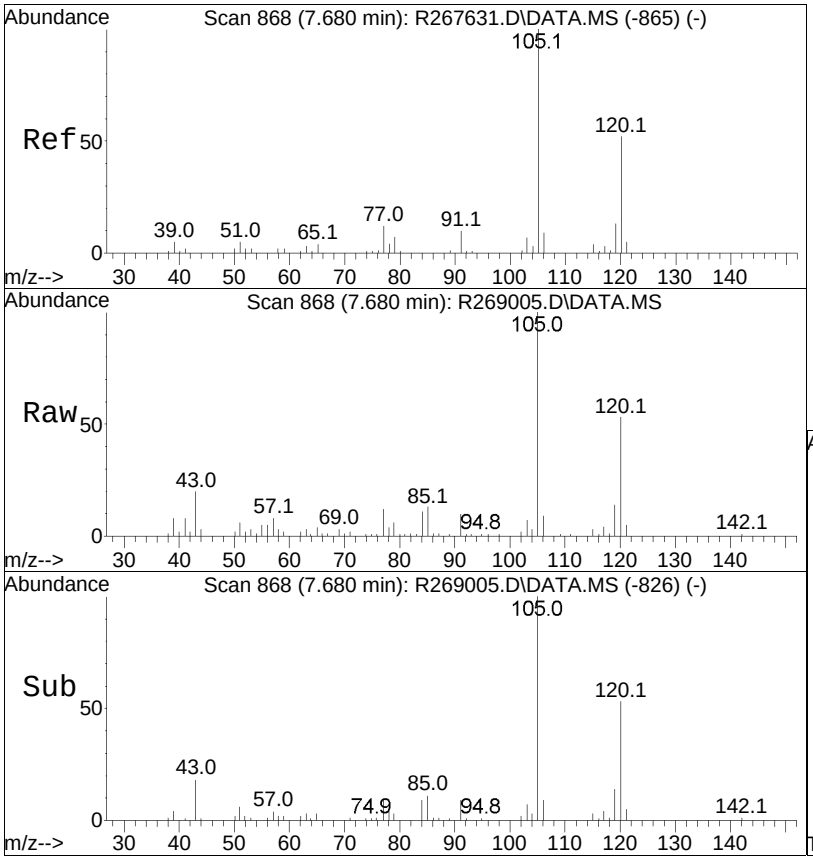


#96
4-ethyl toluene
Concen: 0.58 ppbV m
RT: 7.632 min Scan# 862
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:105 Resp: 39228

Ion	Ratio	Lower	Upper
105	100		
120	26.3	24.3	36.5
91	12.6	8.3	12.5#

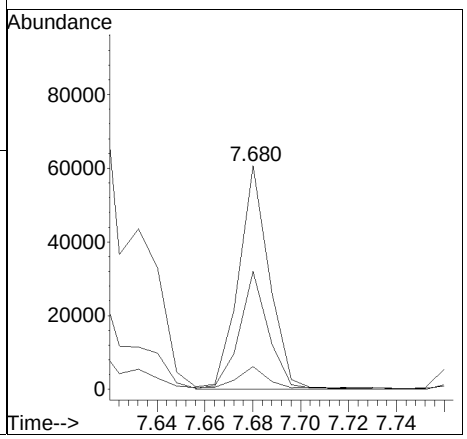


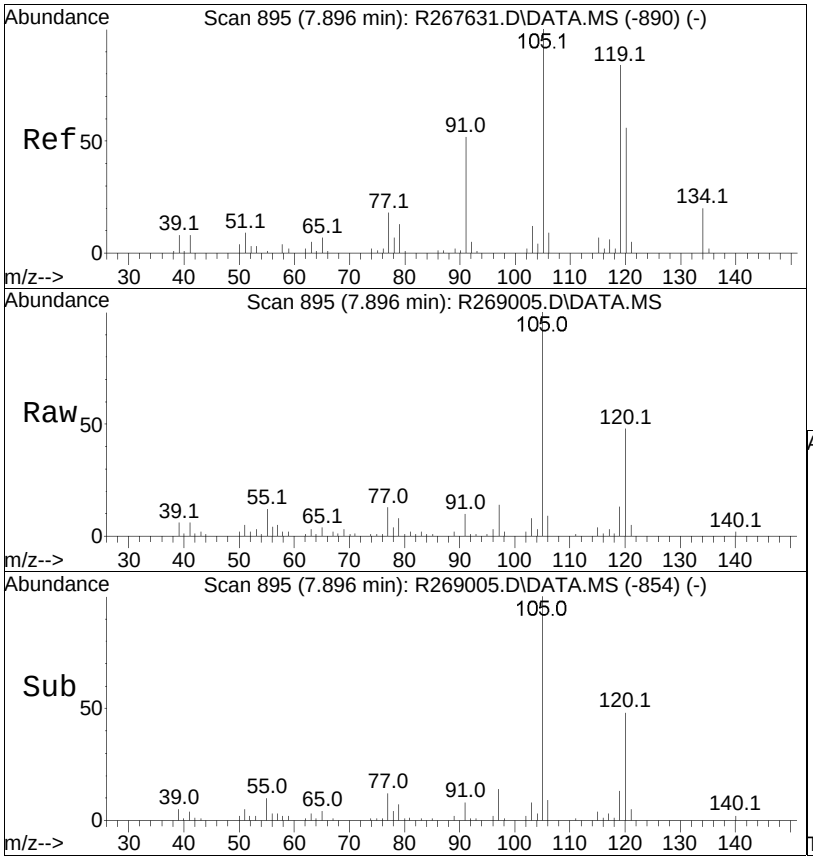


#97
1,3,5-trimethylbenzene
Concen: 0.94 ppbV
RT: 7.680 min Scan# 868
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:105 Resp: 54131

Ion	Ratio	Lower	Upper
105	100		
120	52.8	41.4	62.0
91	10.2	7.7	11.5

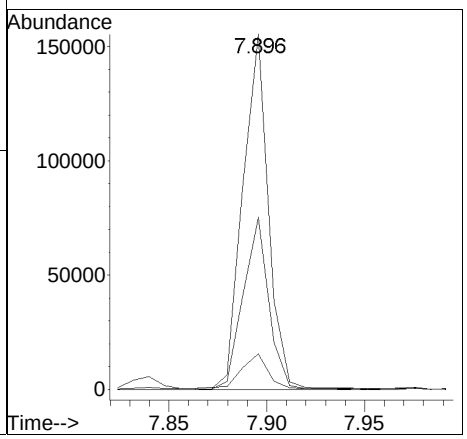


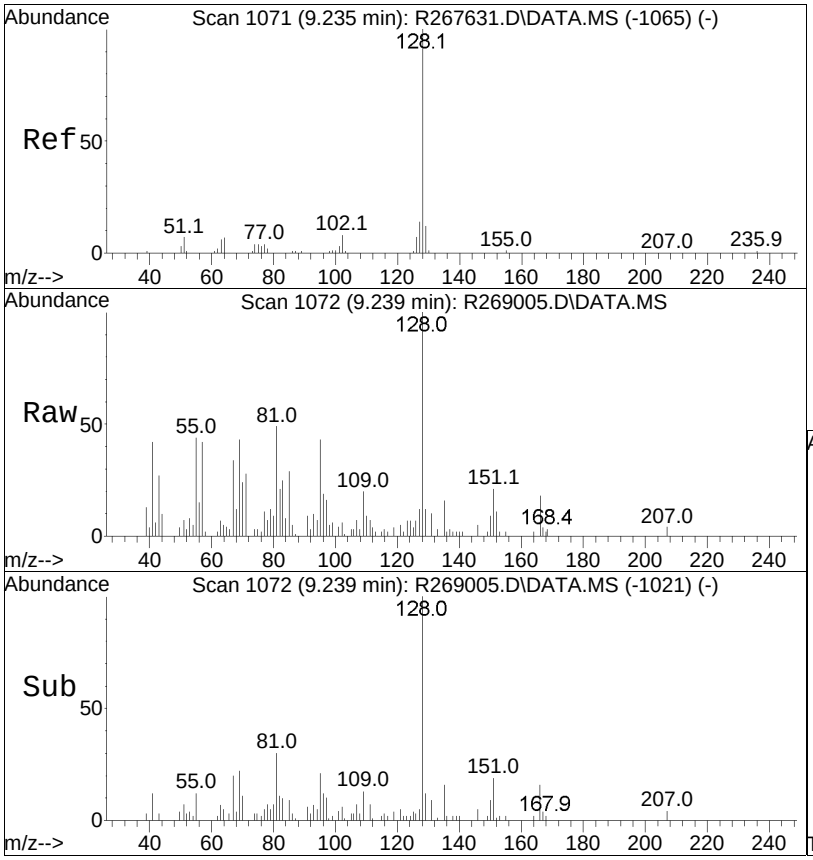


#99
1,2,4-trimethylbenzene
Concen: 2.46 ppbV
RT: 7.896 min Scan# 895
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:105 Resp: 141584

Ion	Ratio	Lower	Upper
105	100		
120	48.4	44.4	66.6
91	10.0	41.9	62.9#

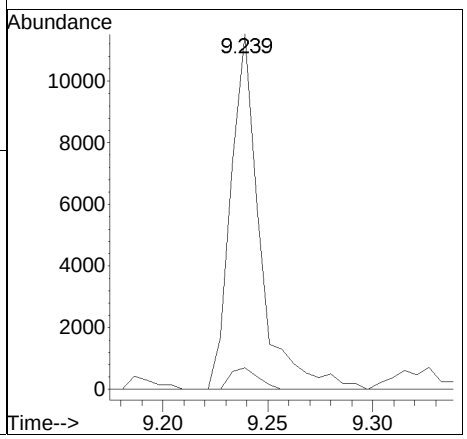




#116
naphthalene
Concen: 0.12 ppbV
RT: 9.239 min Scan# 1072
Delta R.T. 0.004 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:128 Resp: 11180

Ion	Ratio	Lower	Upper
128	100		
102	6.1	6.2	9.2#

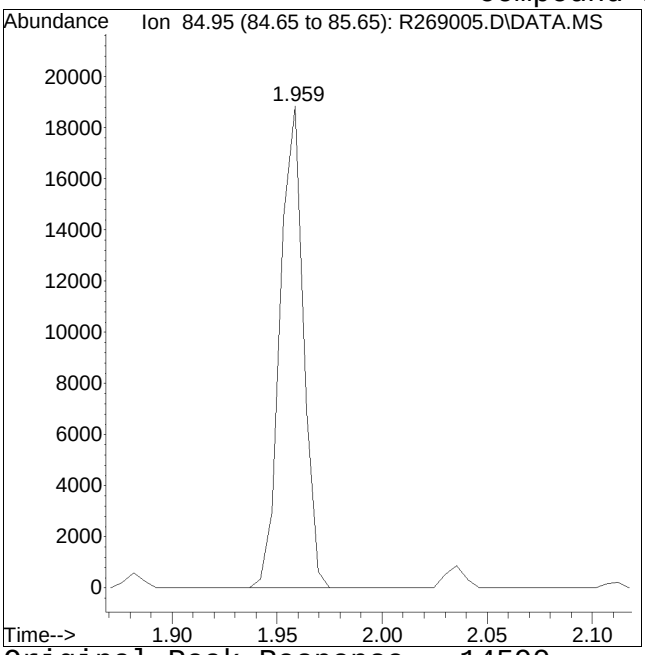


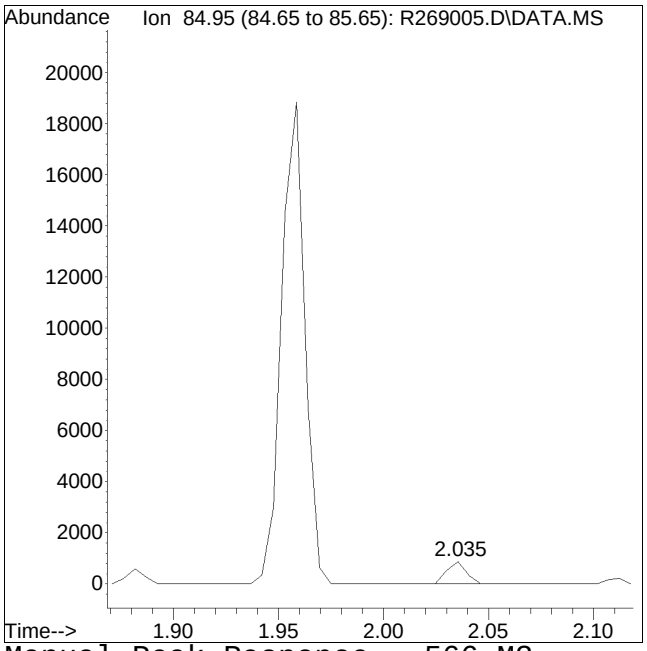
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269005.D
Date Inj'd : 3/11/2026 10:10 pm
Sample : L2612752-04,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:02 am

Compound #7: Freon-114





Original Peak Response = 14590 Manual Peak Response = 566 M3

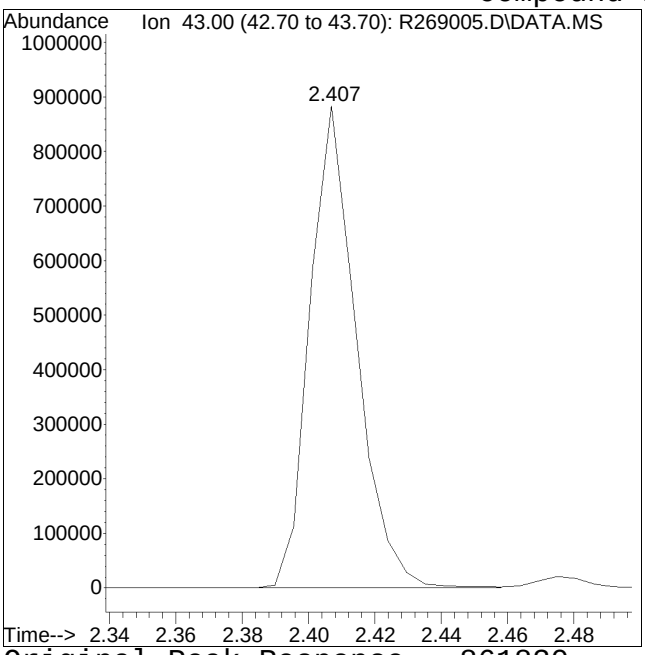
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

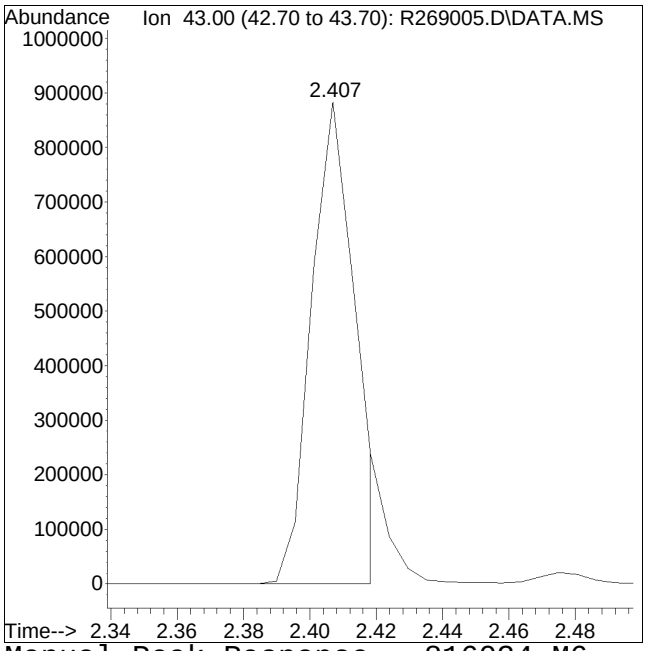
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269005.D
Date Inj'd : 3/11/2026 10:10 pm
Sample : L2612752-04,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:02 am

Compound #19: acetone



Original Peak Response = 861830



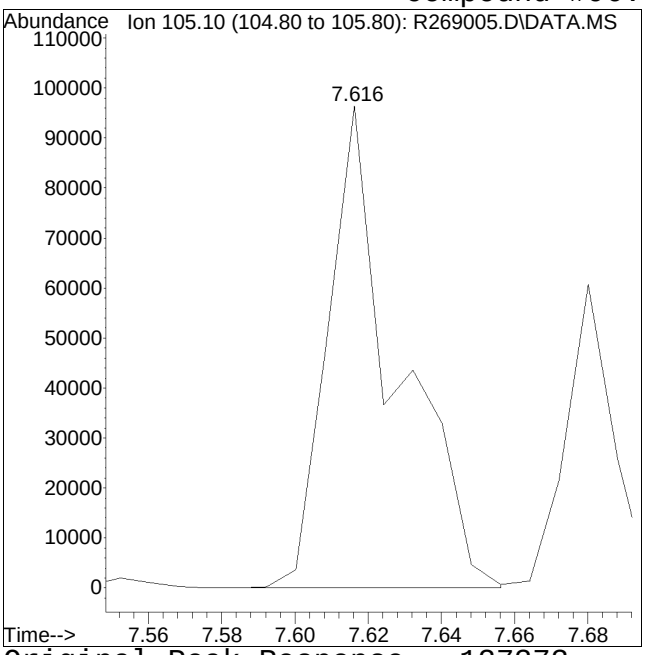
Manual Peak Response = 816034 M6

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

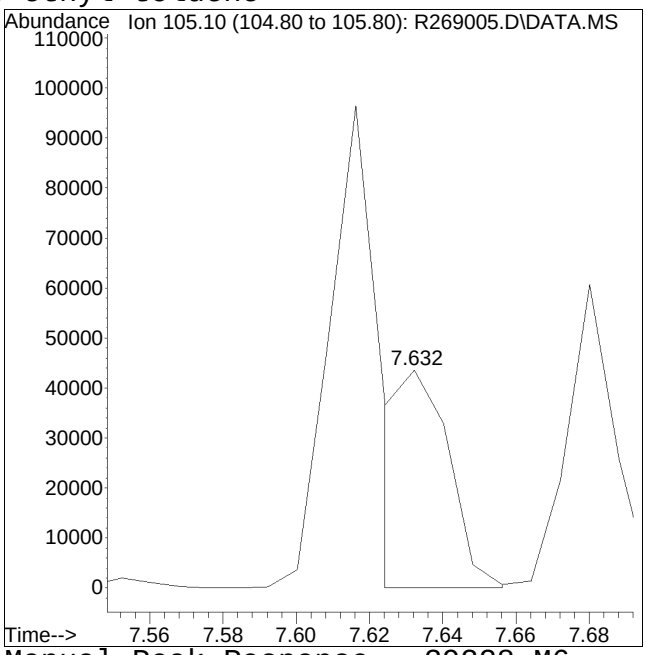
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269005.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 10:10 pm Instrument : Airlab26
Sample : L2612752-04,3,250,250 Quant Date : 3/12/2026 7:02 am

Compound #96: 4-ethyl toluene



Original Peak Response = 127373



Manual Peak Response = 39228 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269006.D
Acq On : 11 Mar 2026 10:42 pm
Operator : AIRLAB26:TPH
Sample : L2612752-05,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 07:02:24 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	154723	10.000	ppbV	0.00
Standard Area = 155717			Recovery =	99.36%		
43) 1,4-difluorobenzene	4.321	114	509396	10.000	ppbV	0.00
Standard Area = 520424			Recovery =	97.88%		
67) chlorobenzene-D5	6.442	54	71341	10.000	ppbV	0.00
Standard Area = 71975			Recovery =	99.12%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.959	85	14398	0.473	ppbV	98
6) chloromethane	2.002	50	5747	0.516	ppbV	100
7) Freon-114	2.035		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.	d	
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.266	31	126890	21.916	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.407	43	778860M6	57.380	ppbV	
21) trichlorofluoromethane	2.458	101	7400	0.263	ppbV	95
22) isopropyl alcohol	2.475	45	123813	7.339	ppbV	100
27) tertiary butyl alcohol	2.651	59	8406	0.363	ppbV #	87
28) methylene chloride	2.670	49	5346	0.468	ppbV	93
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.761		0	N.D.		
31) Freon 113	2.756	101	2109	0.084	ppbV	89
32) trans-1,2-dichloroethene	2.978	61	166159	10.526	ppbV	98
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	3.080		0	N.D.		
36) 2-butanone	3.204	43	281151	11.397	ppbV	99
38) Ethyl Acetate	3.491	61	727	0.145	ppbV #	44
39) chloroform	3.499	83	1559	0.060	ppbV #	83
40) Tetrahydrofuran	3.676	42	84359	7.853	ppbV	96
42) 1,2-dichloroethane	3.815		0	N.D.		
44) hexane	3.476	57	5595	0.269	ppbV #	15
50) benzene	4.133	78	14560	0.337	ppbV	99
53) cyclohexane	4.265	56	3148	0.159	ppbV	94
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269006.D
Acq On : 11 Mar 2026 10:42 pm
Operator : AIRLAB26:TPH
Sample : L2612752-05,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 07:02:24 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

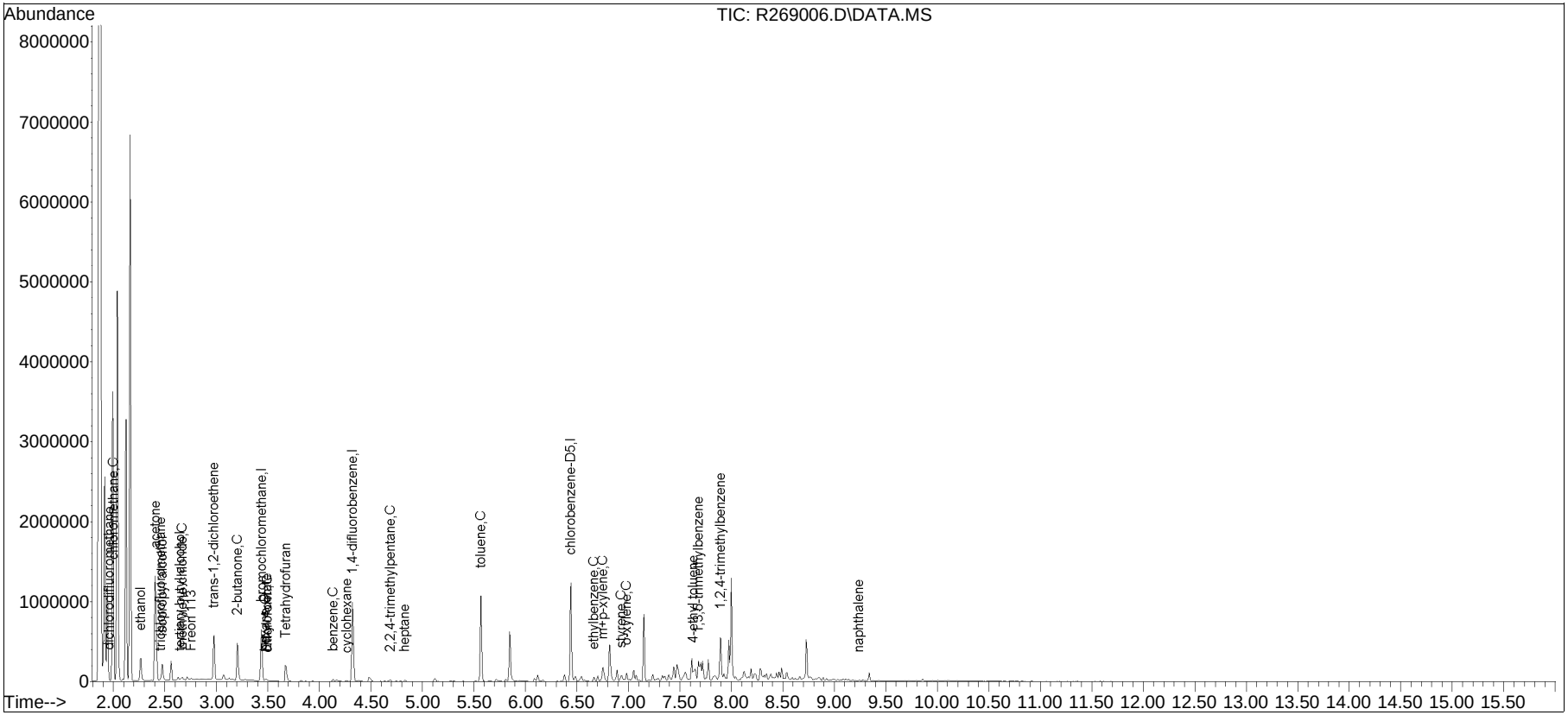
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	4.595		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	10178	0.170	ppbV #	97
62) heptane	4.830	43	4745	0.235	ppbV	98
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	5.569	91	468889	9.269	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.		
80) chlorobenzene	0.000		0	N.D. d		
81) ethylbenzene	6.666	91	19392	0.305	ppbV	100
83) m+p-xylene	6.753	91	75880	1.553	ppbV	98
84) bromoform	0.000		0	N.D.		
85) styrene	6.931	104	15213	0.399	ppbV	94
86) 1,1,2,2-tetrachloroethane	6.978		0	N.D.		
87) o-xylene	6.984	91	32029	0.651	ppbV	99
96) 4-ethyl toluene	7.632	105	45274M3	0.691	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	67068	1.198	ppbV	97
99) 1,2,4-trimethylbenzene	7.896	105	159467	2.840	ppbV #	64
101) Benzyl Chloride	0.000		0	N.D. d		
102) 1,3-dichlorobenzene	0.000		0	N.D. d		
103) 1,4-dichlorobenzene	0.000		0	N.D. d		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.239	128	3339	0.036	ppbV	98
119) hexachlorobutadiene	0.000		0	N.D.		

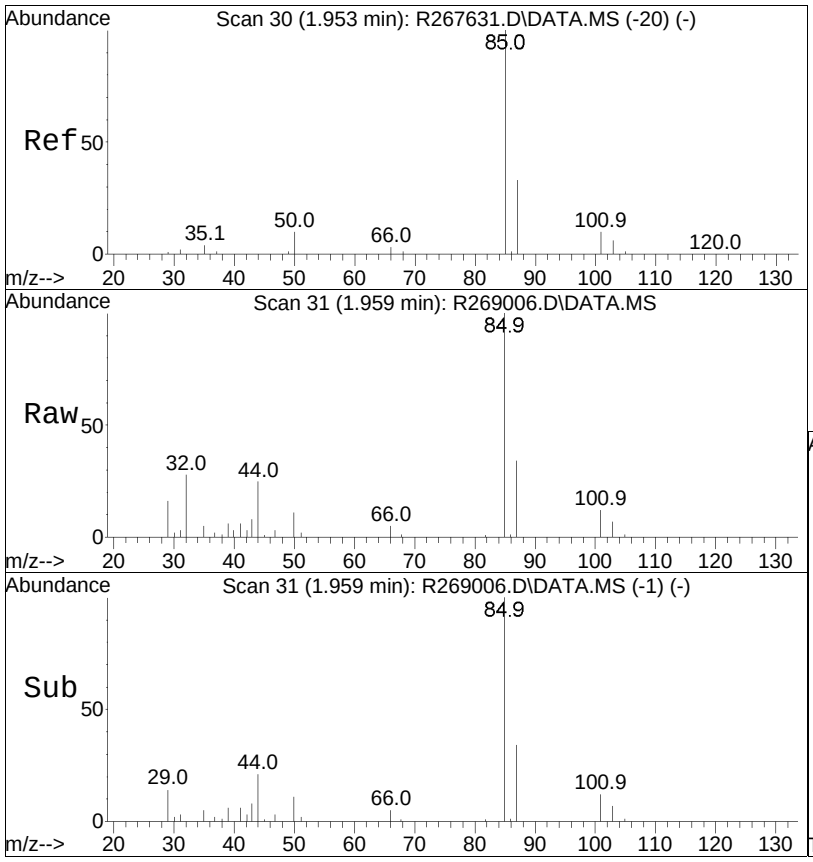
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269006.D
Acq On : 11 Mar 2026 10:42 pm
Operator : AIRLAB26:TPH
Sample : L2612752-05,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 07:02:24 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

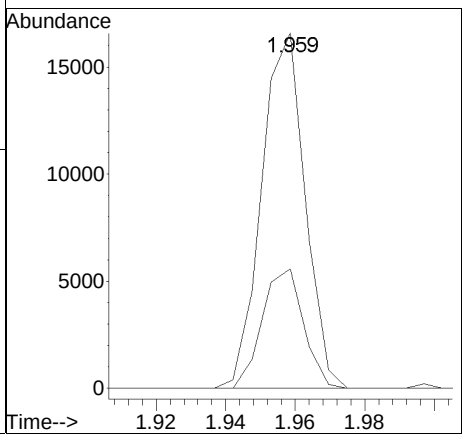


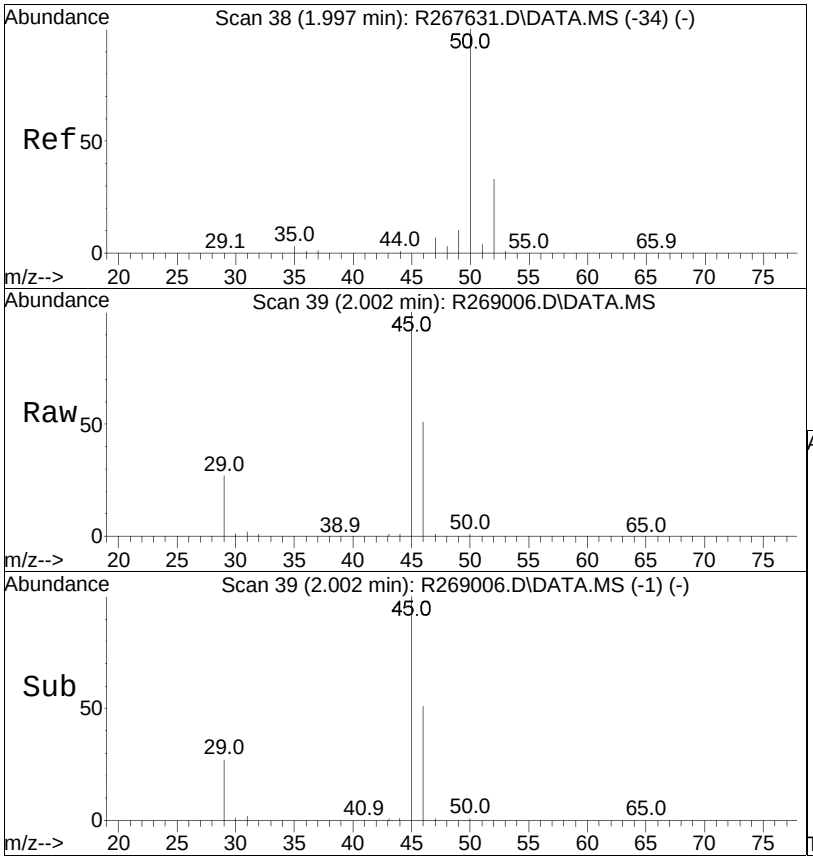


#5
dichlorodifluoromethane
Concen: 0.47 ppbV
RT: 1.959 min Scan# 31
Delta R.T. 0.006 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 85 Resp: 14398

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.2	39.2

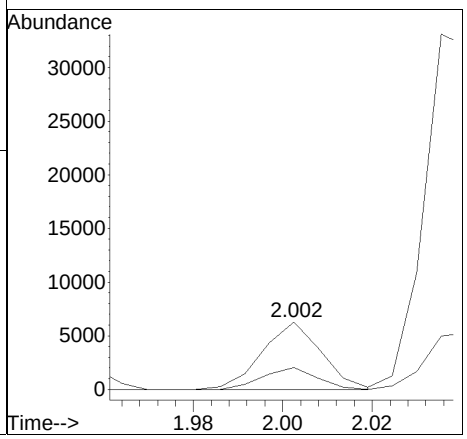


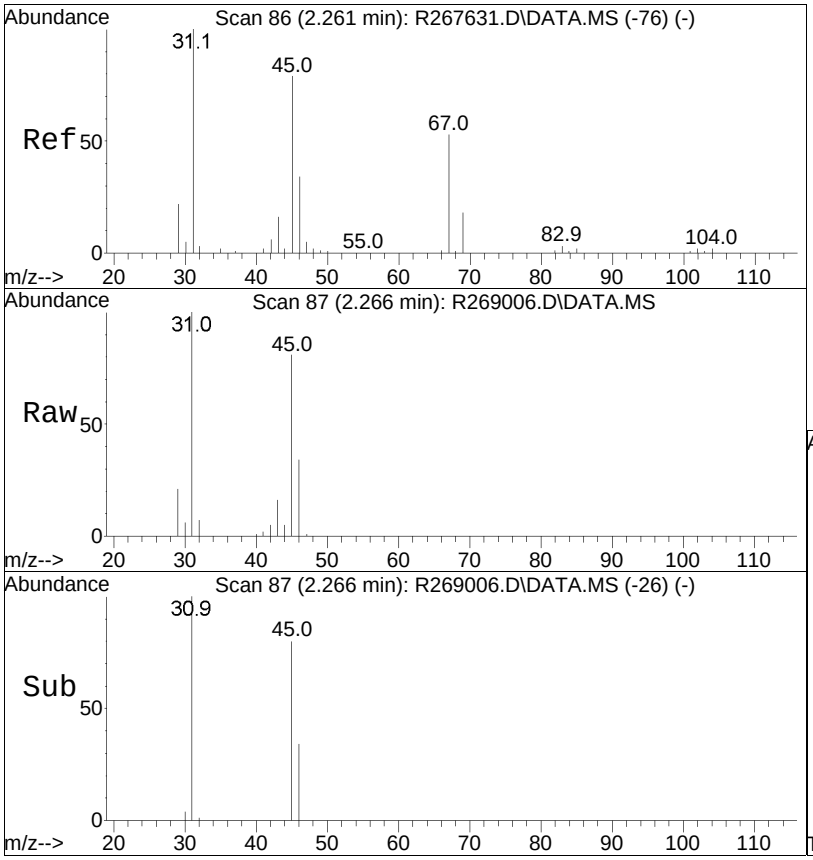


#6
chloromethane
Concen: 0.52 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.006 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 50 Resp: 5747

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.2	39.4

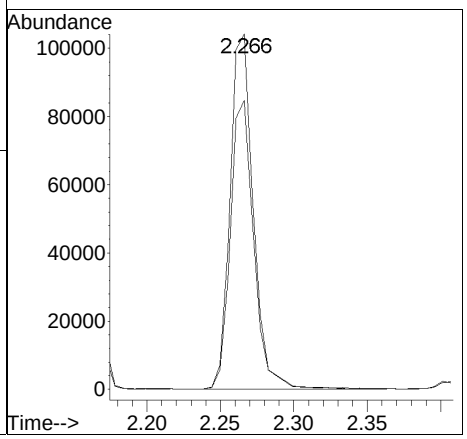


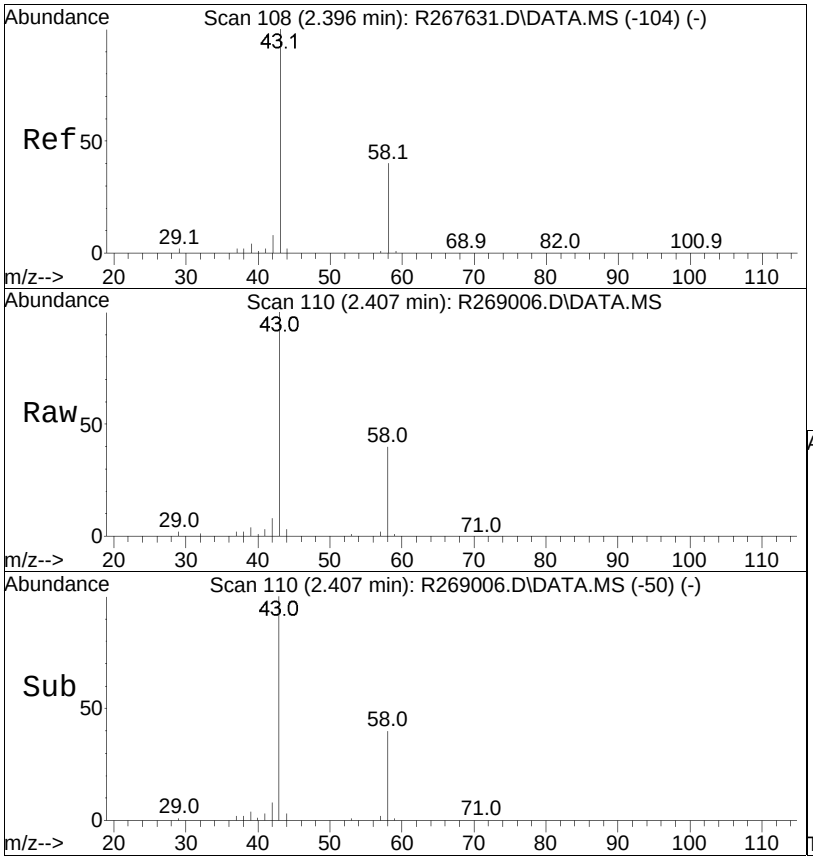


#15
ethanol
Concen: 21.92 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.006 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 31 Resp: 126890

Ion	Ratio	Lower	Upper
31	100		
45	81.3	63.4	95.0

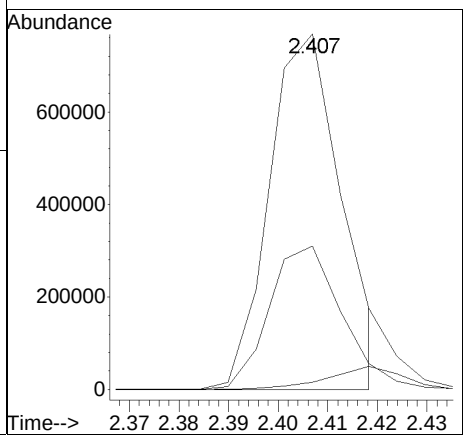


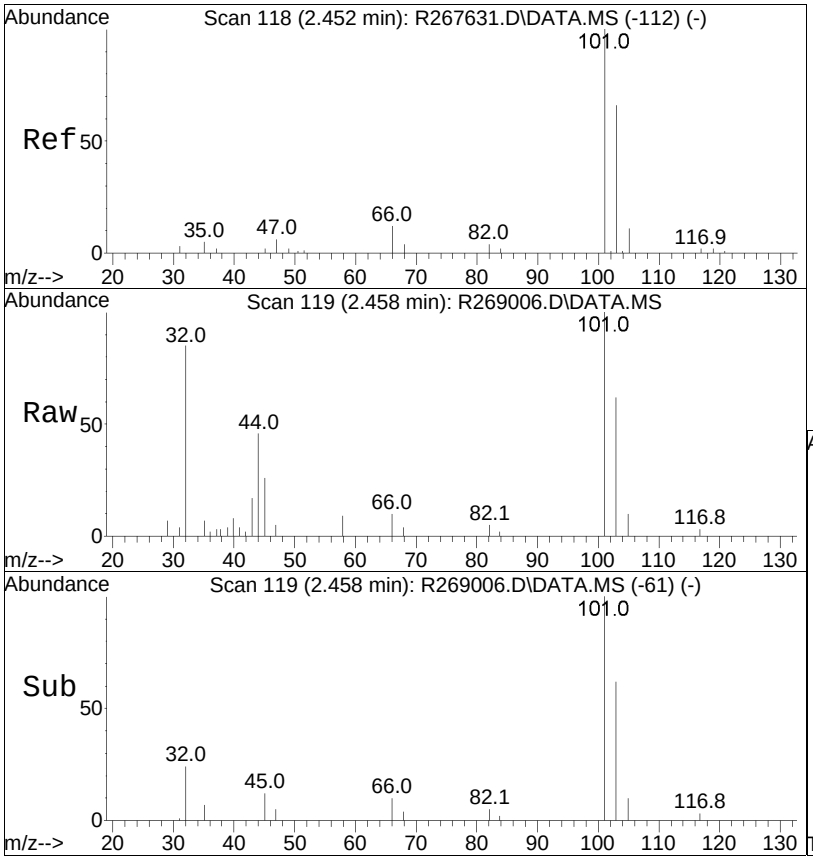


#19
acetone
Concen: 57.38 ppbV m
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 43 Resp: 778860

Ion	Ratio	Lower	Upper
43	100		
58	40.3	32.2	48.2
57	2.0	1.0	1.4#

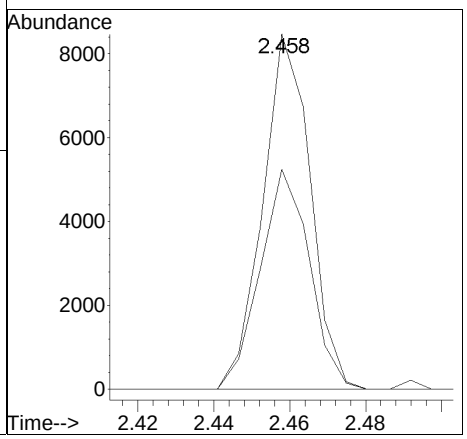


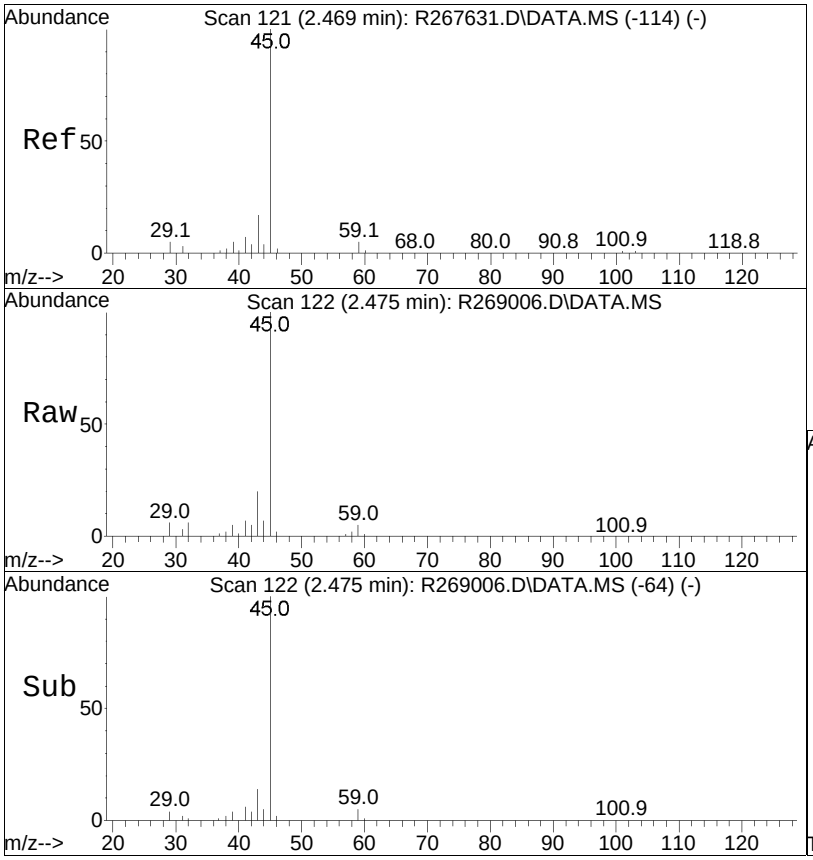


#21
trichlorofluoromethane
Concen: 0.26 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.006 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:101 Resp: 7400

Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.6	78.8

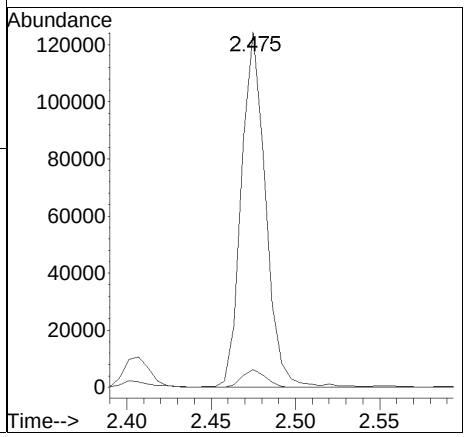


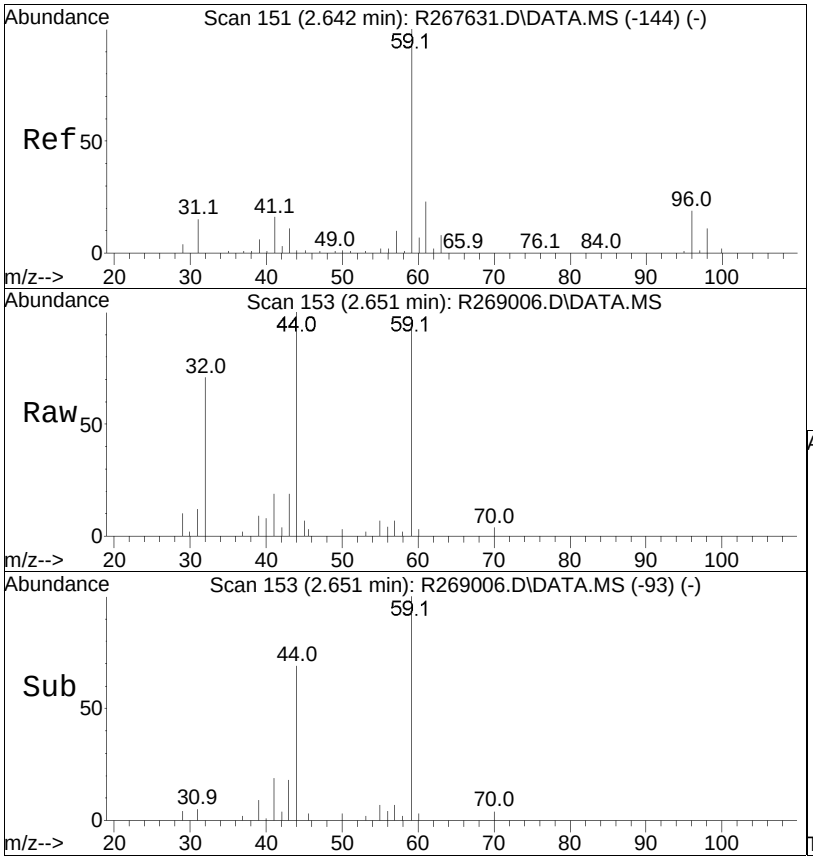


#22
isopropyl alcohol
Concen: 7.34 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.006 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 45 Resp: 123813

Ion	Ratio	Lower	Upper
45	100		
59	5.0	4.0	6.0

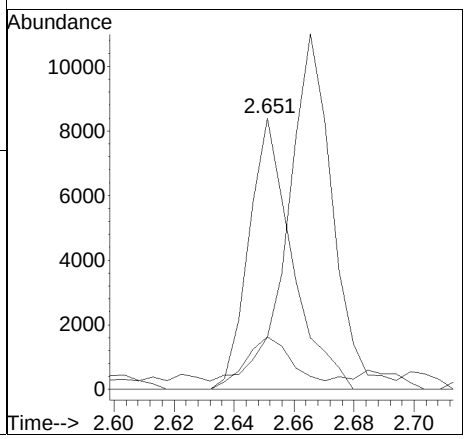


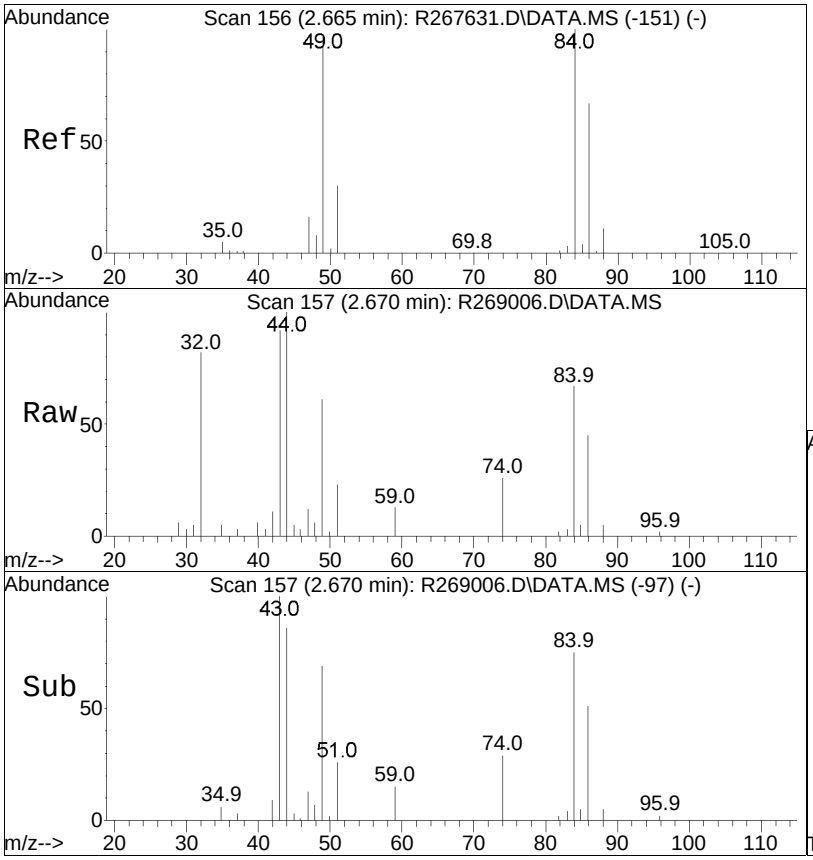


#27
tertiary butyl alcohol
Concen: 0.36 ppbV
RT: 2.651 min Scan# 153
Delta R.T. 0.010 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 59 Resp: 8406

Ion	Ratio	Lower	Upper
59	100		
41	19.4	13.1	19.7
43	19.3	8.8	13.2#

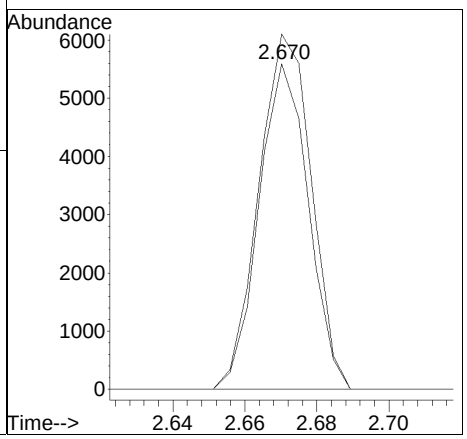


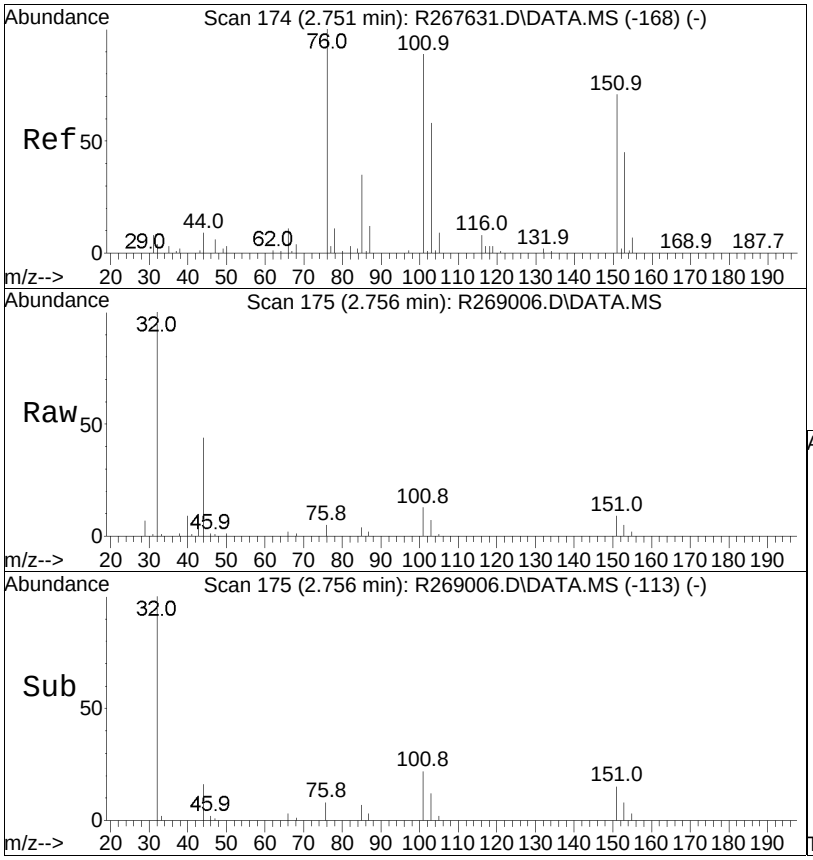


#28
methylene chloride
Concen: 0.47 ppbV
RT: 2.670 min Scan# 157
Delta R.T. 0.005 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 49 Resp: 5346

Ion	Ratio	Lower	Upper
49	100		
84	109.1	82.0	123.0

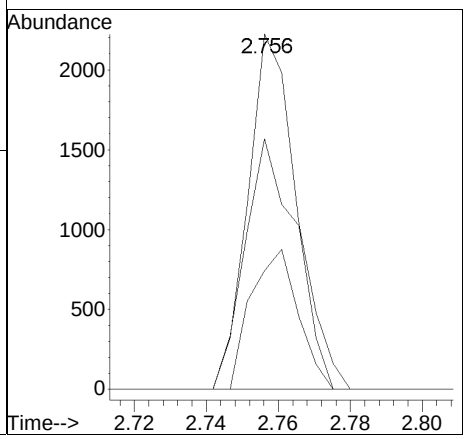


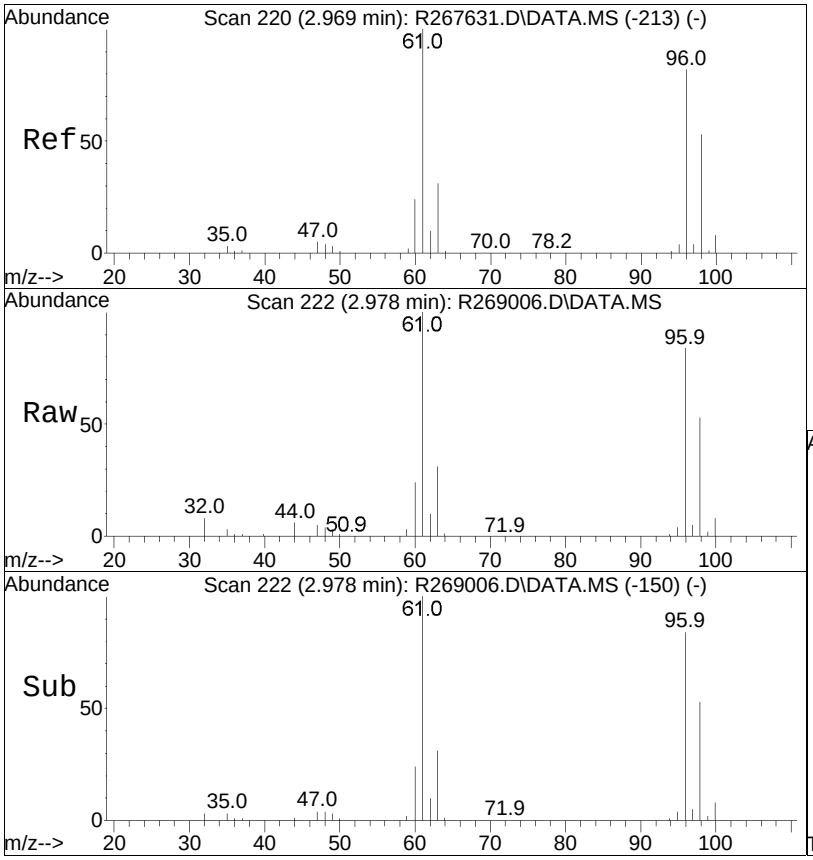


#31
Freon 113
Concen: 0.08 ppbV
RT: 2.756 min Scan# 175
Delta R.T. 0.005 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:101 Resp: 2109

Ion	Ratio	Lower	Upper
101	100		
85	33.4	32.0	48.0
151	70.5	64.0	96.0

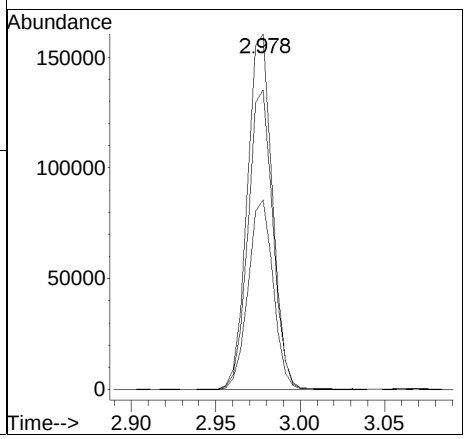


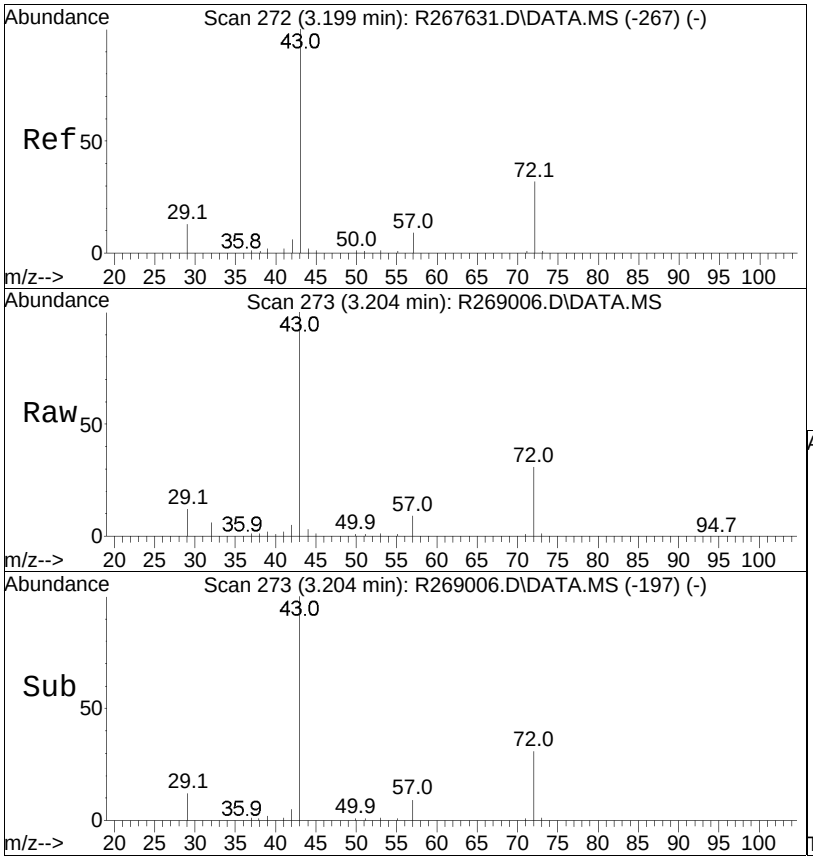


#32
trans-1,2-dichloroethene
Concen: 10.53 ppbV
RT: 2.978 min Scan# 222
Delta R.T. 0.009 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 61 Resp: 166159

Ion	Ratio	Lower	Upper
61	100		
96	84.3	65.8	98.6
98	53.4	42.4	63.6

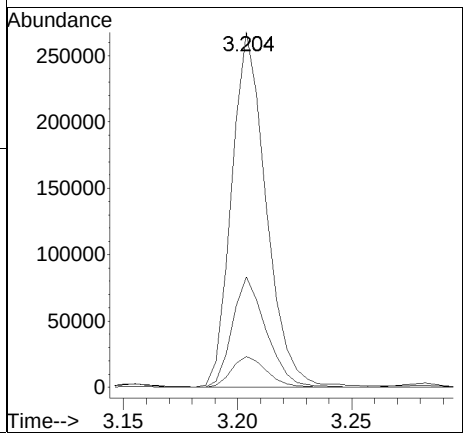


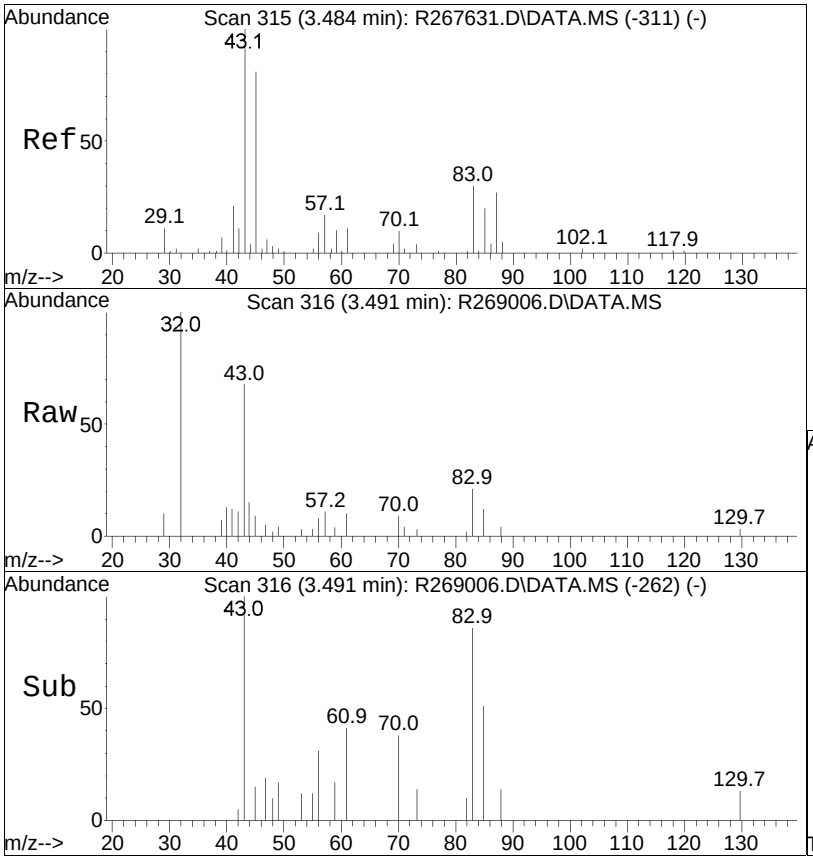


#36
2-butanone
Concen: 11.40 ppbV
RT: 3.204 min Scan# 273
Delta R.T. 0.004 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 43 Resp: 281151

Ion	Ratio	Lower	Upper
43	100		
72	31.1	25.1	37.7
57	8.7	7.4	11.2

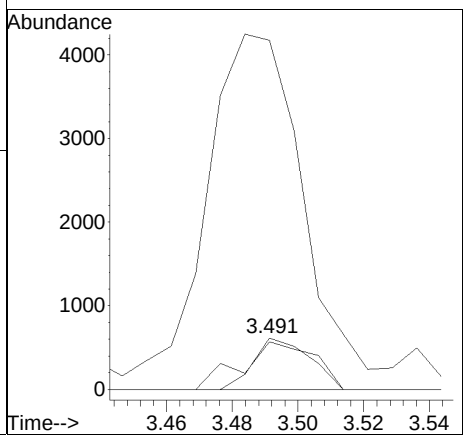


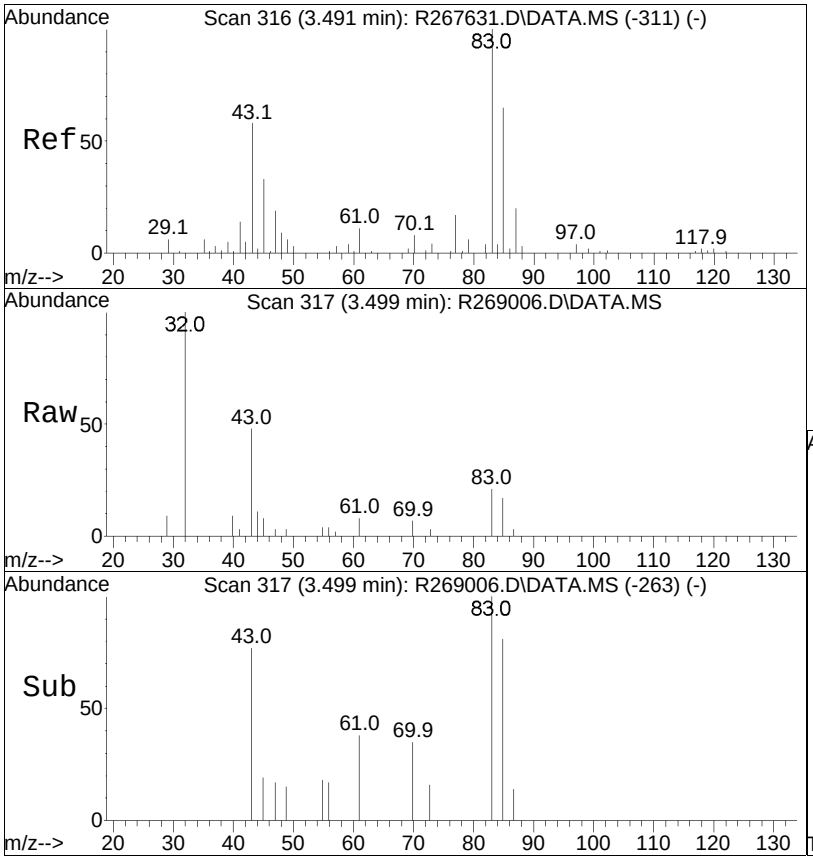


#38
Ethyl Acetate
Concen: 0.15 ppbV
RT: 3.491 min Scan# 316
Delta R.T. 0.008 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 61 Resp: 727

Ion	Ratio	Lower	Upper
61	100		
70	92.8	73.9	110.9
43	680.0	752.6	1128.8#

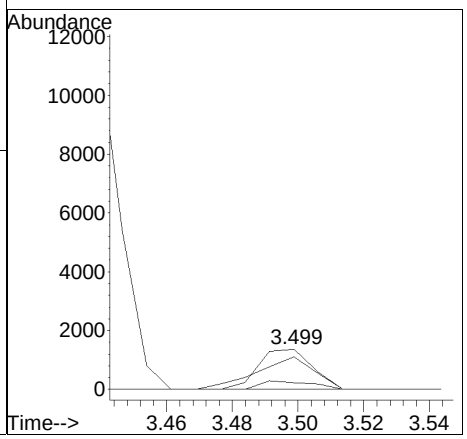


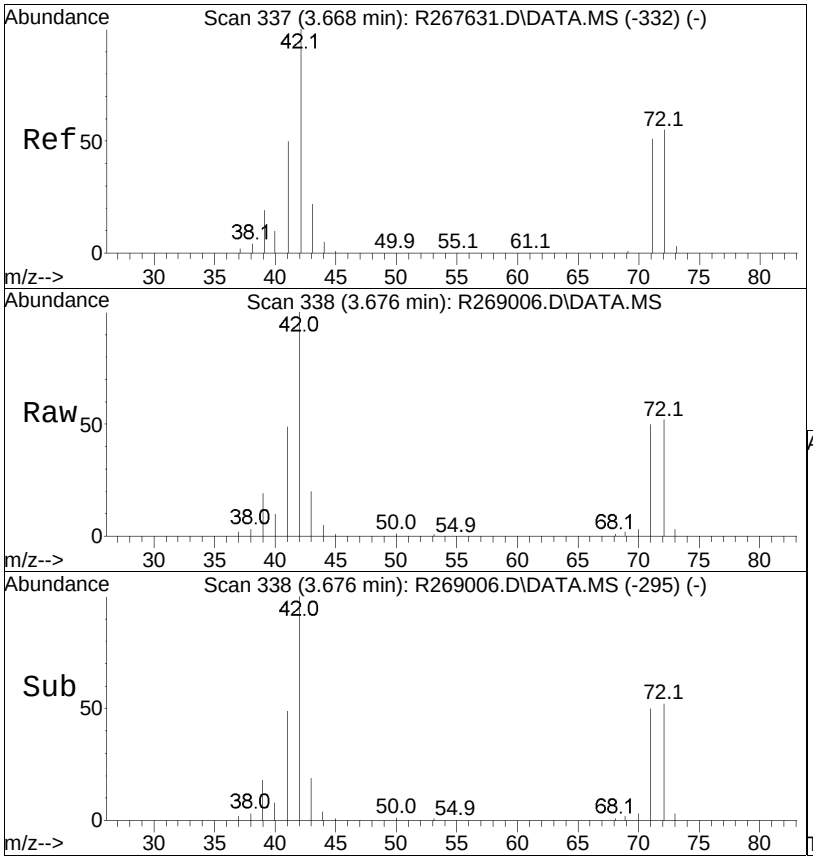


#39
chloroform
Concen: 0.06 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.008 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 83 Resp: 1559

Ion	Ratio	Lower	Upper
83	100		
85	81.0	51.9	77.9#
47	16.6	15.4	23.2

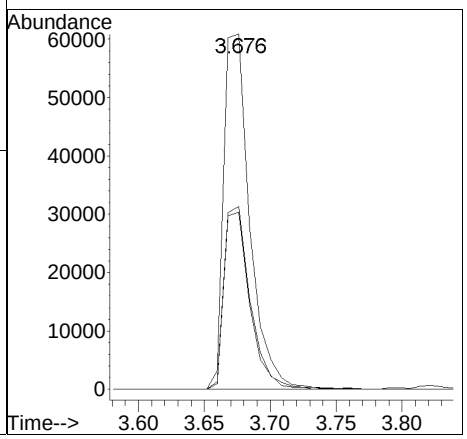


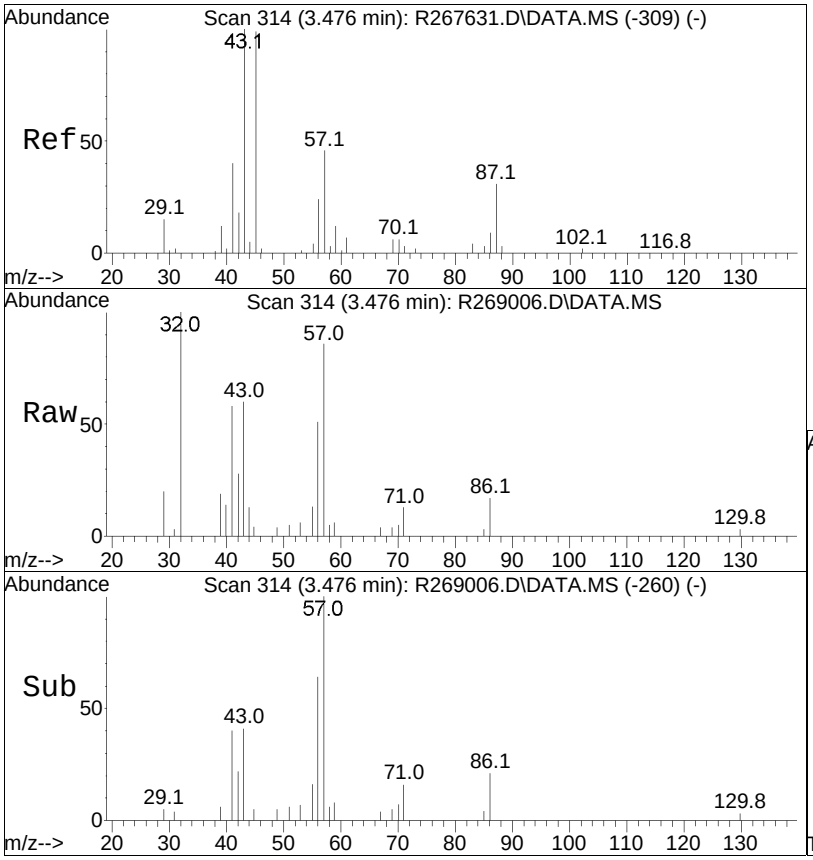


#40
Tetrahydrofuran
Concen: 7.85 ppbV
RT: 3.676 min Scan# 338
Delta R.T. 0.008 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 42 Resp: 84359

Ion	Ratio	Lower	Upper
42	100		
71	49.9	41.0	61.6
72	51.5	44.2	66.2

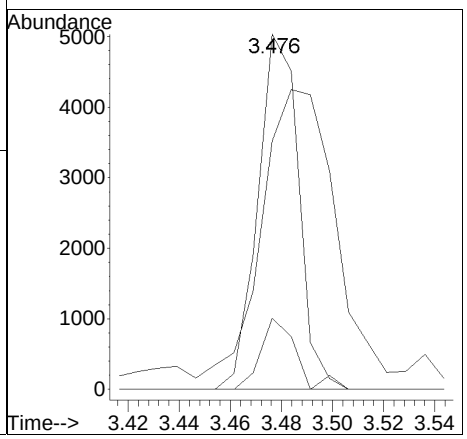


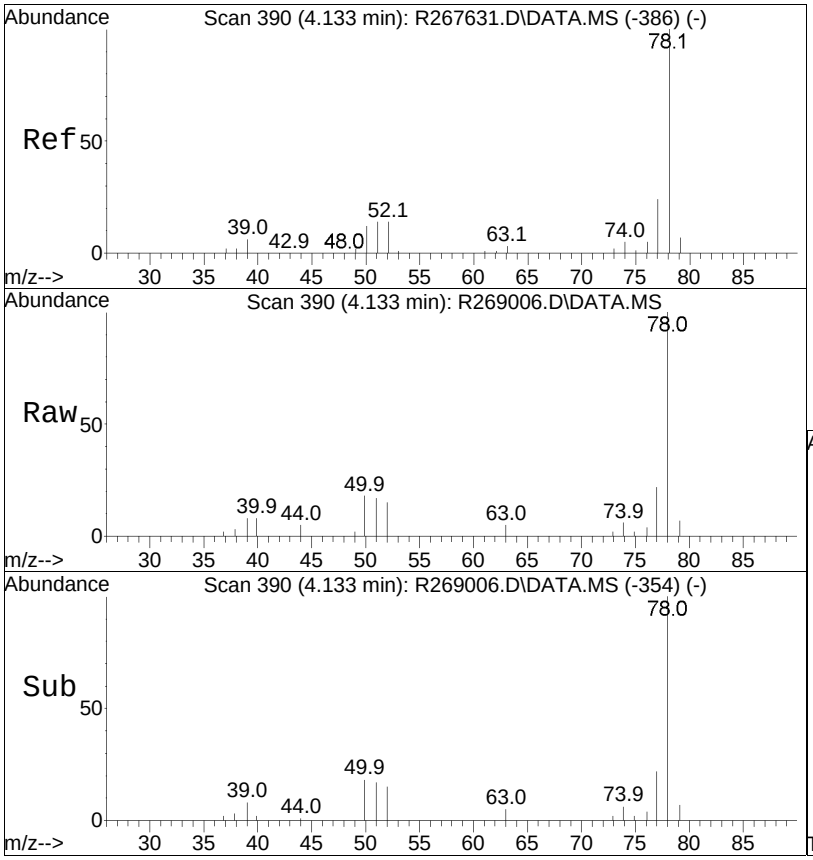


#44
hexane
Concen: 0.27 ppbV
RT: 3.476 min Scan# 314
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 57 Resp: 5595

Ion	Ratio	Lower	Upper
57	100		
43	69.9	175.4	263.0#
86	20.0	16.1	24.1

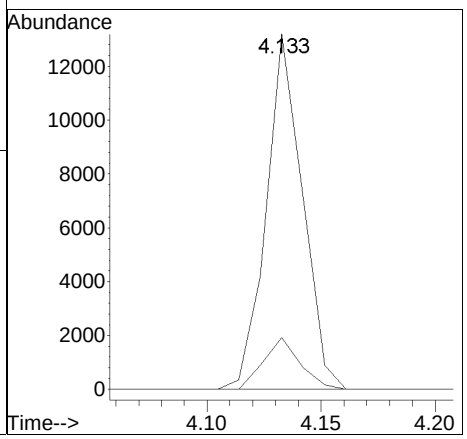


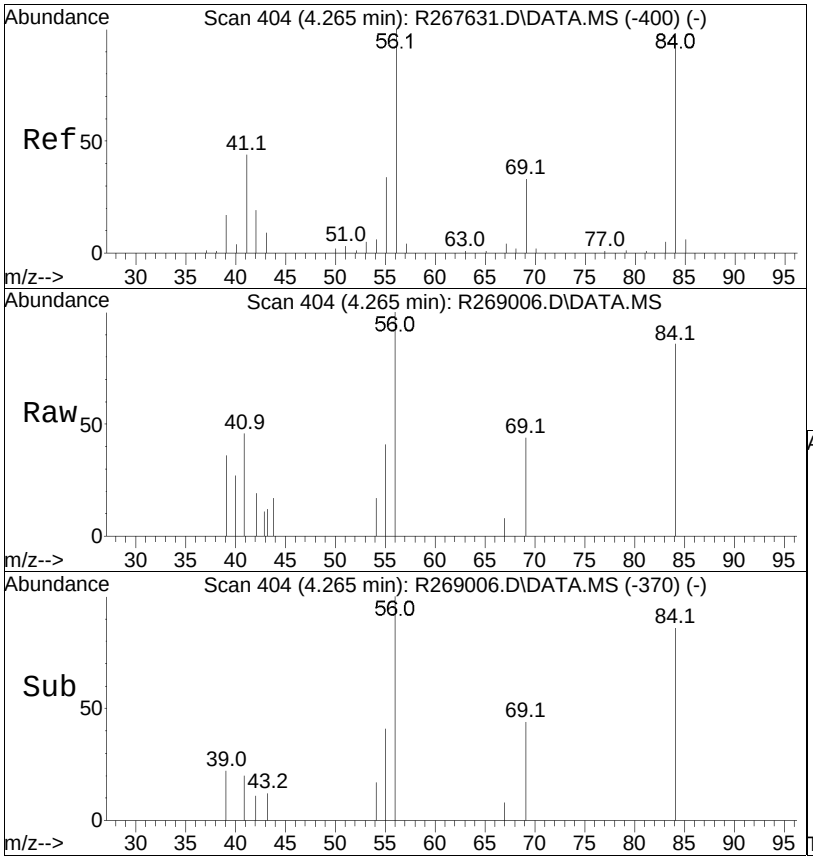


#50
benzene
Concen: 0.34 ppbV
RT: 4.133 min Scan# 390
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 78 Resp: 14560

Ion	Ratio	Lower	Upper
78	100		
52	14.6	11.3	16.9

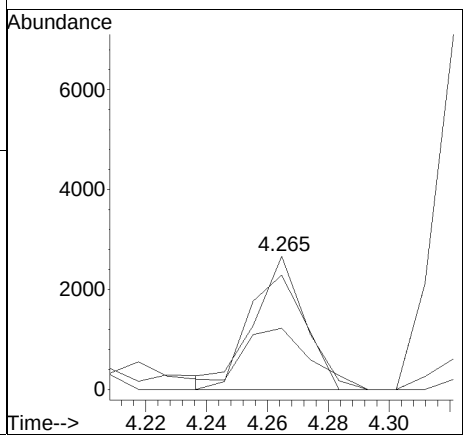


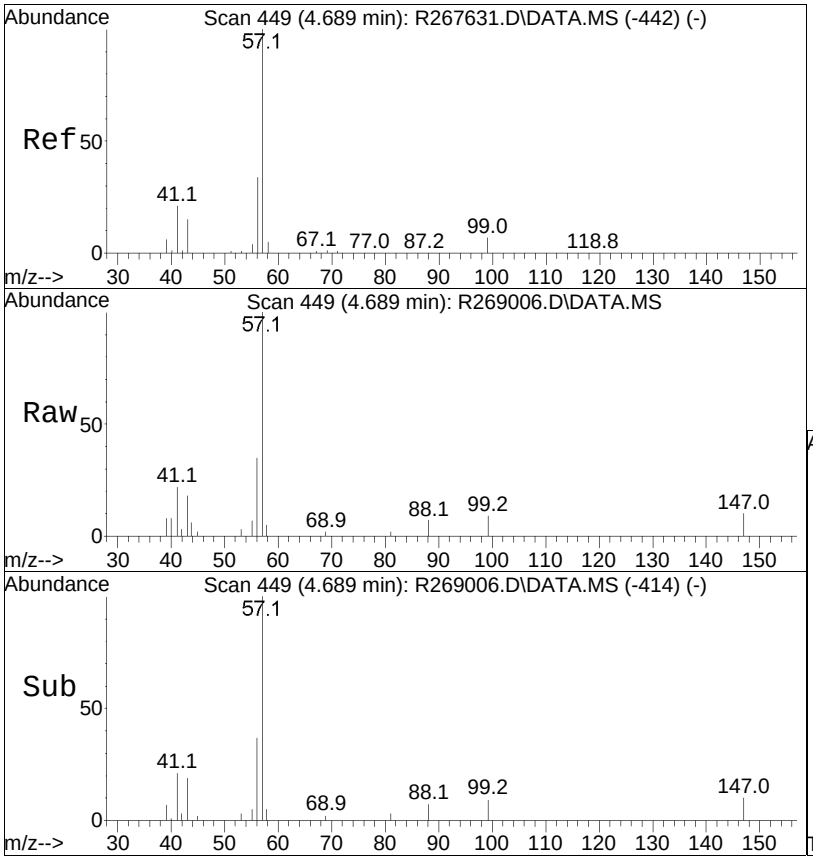


#53
cyclohexane
Concen: 0.16 ppbV
RT: 4.265 min Scan# 404
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 56 Resp: 3148

Ion	Ratio	Lower	Upper
56	100		
84	85.9	73.7	110.5
41	46.0	35.0	52.4

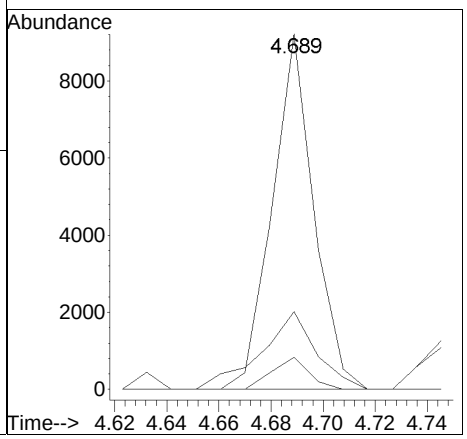


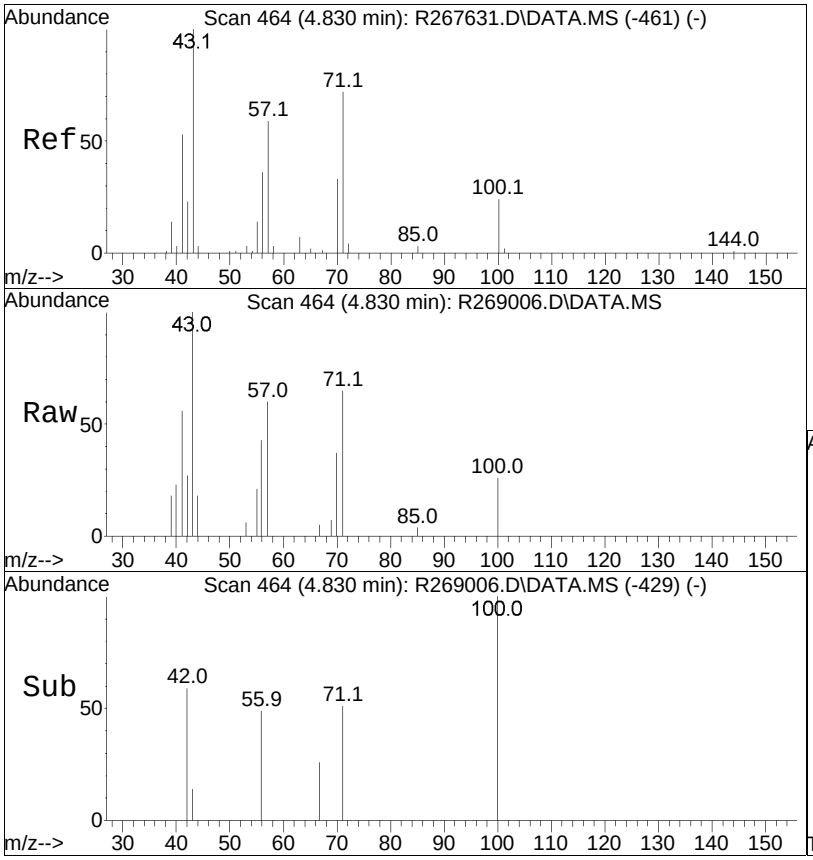


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 4.689 min Scan# 449
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 57 Resp: 10178

Ion	Ratio	Lower	Upper
57	100		
99	9.0	5.4	8.2#
41	21.9	16.7	25.1

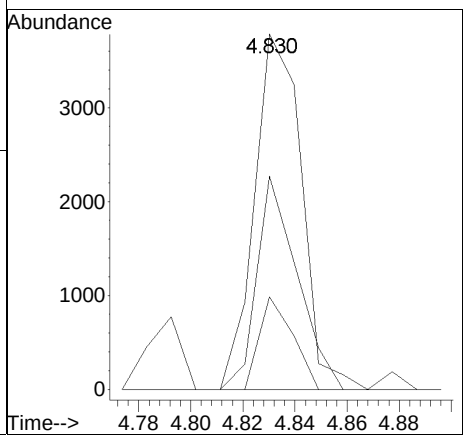


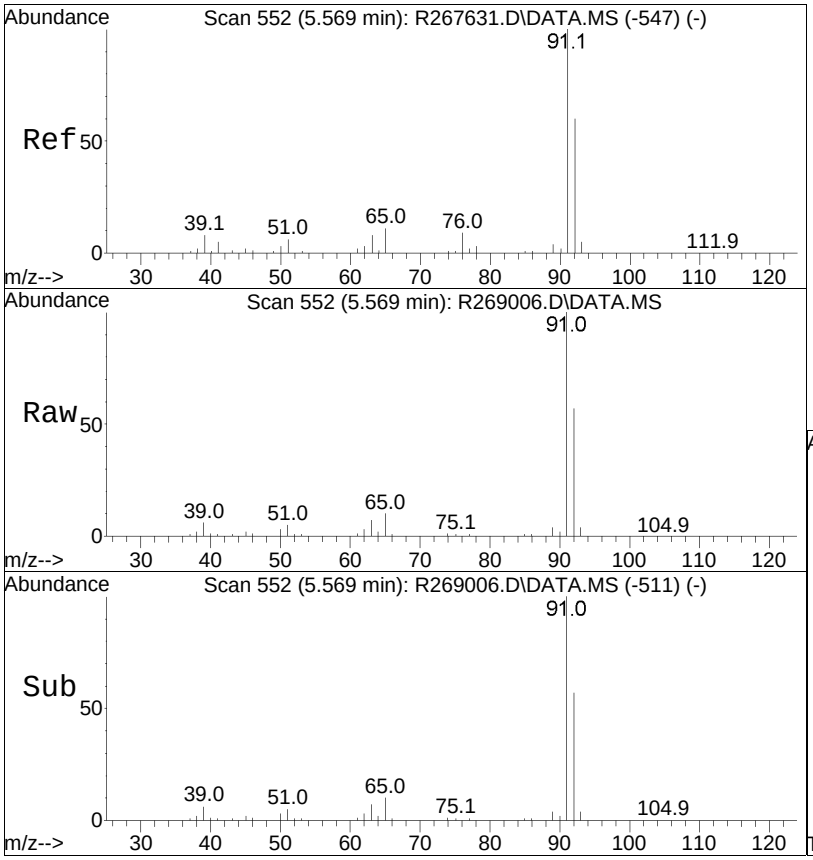


#62
heptane
Concen: 0.24 ppbV
RT: 4.830 min Scan# 464
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 43 Resp: 4745

Ion	Ratio	Lower	Upper
43	100		
57	60.0	47.2	70.8
100	26.1	19.8	29.8

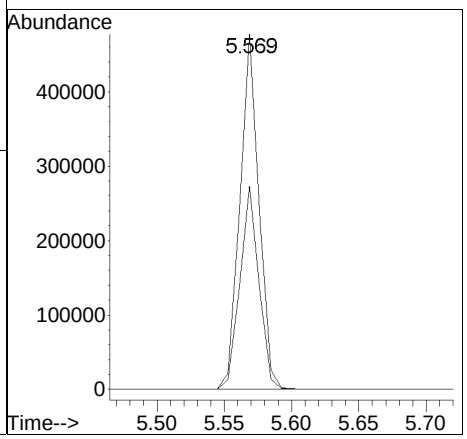


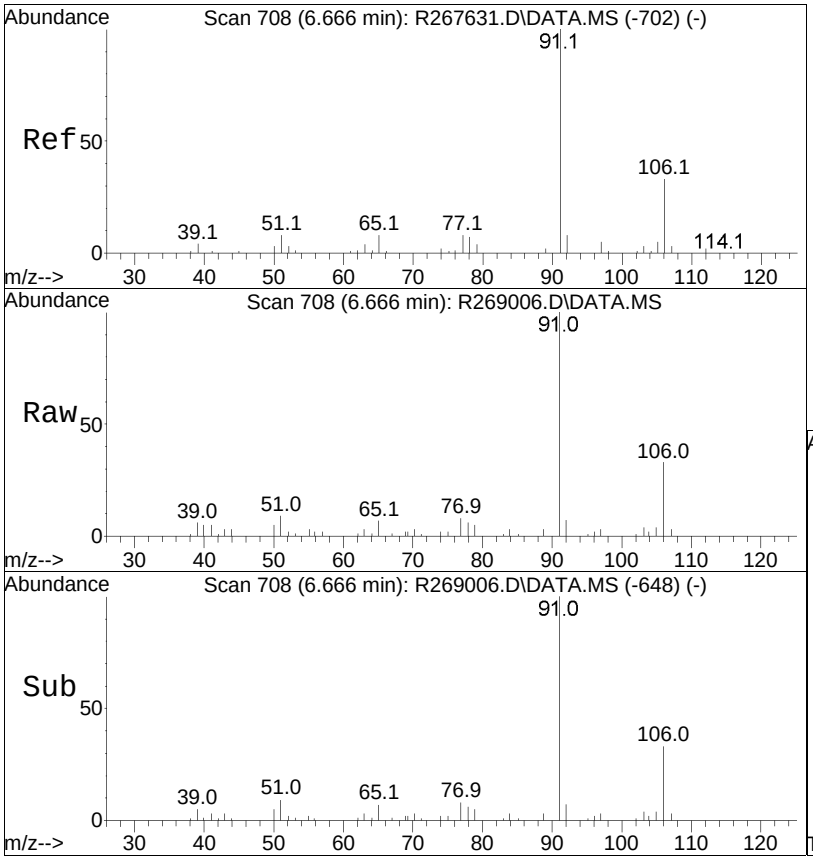


#68
toluene
Concen: 9.27 ppbV
RT: 5.569 min Scan# 552
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 91 Resp: 468889

Ion	Ratio	Lower	Upper
91	100		
92	57.2	48.3	72.5

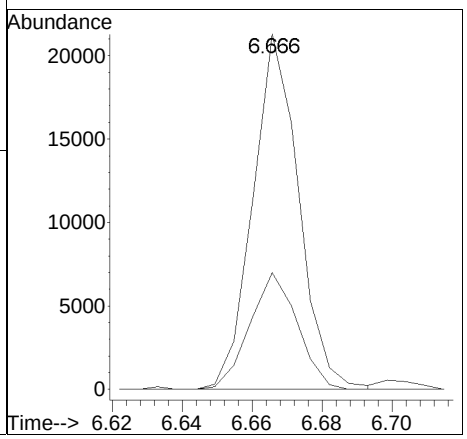


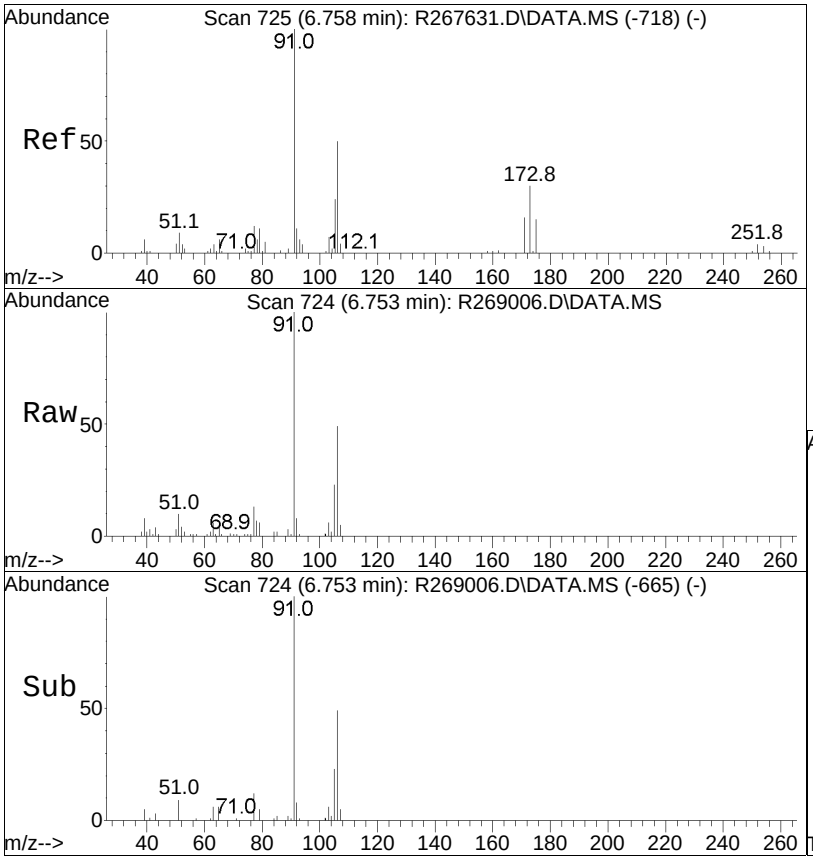


#81
ethylbenzene
Concen: 0.31 ppbV
RT: 6.666 min Scan# 708
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 91 Resp: 19392

Ion	Ratio	Lower	Upper
91	100		
106	32.9	26.3	39.5

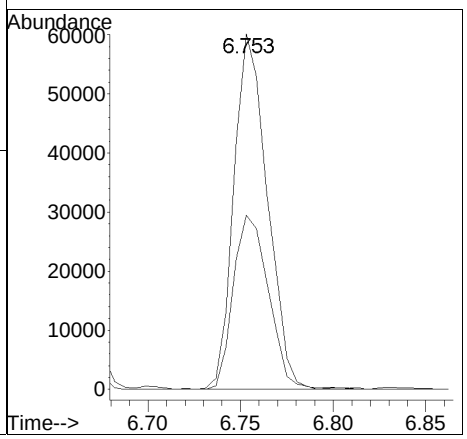


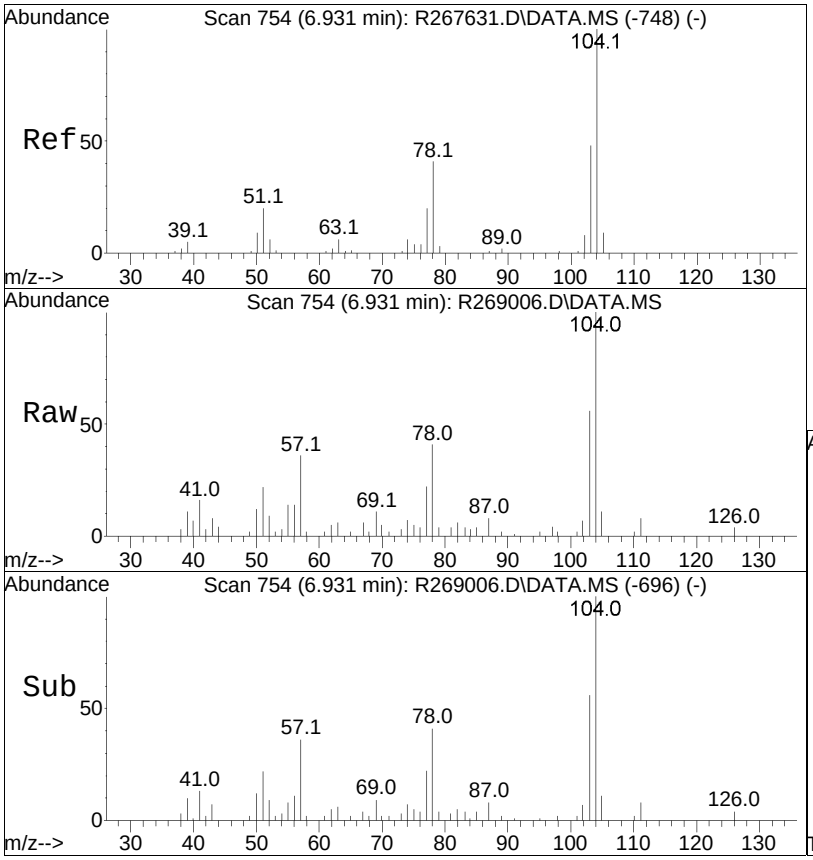


#83
m+p-xylene
Concen: 1.55 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.005 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 91 Resp: 75880

Ion	Ratio	Lower	Upper
91	100		
106	49.0	40.1	60.1

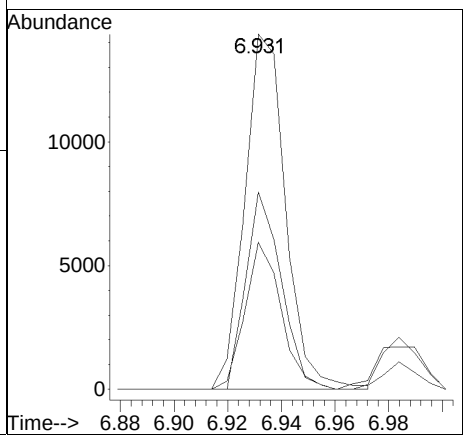


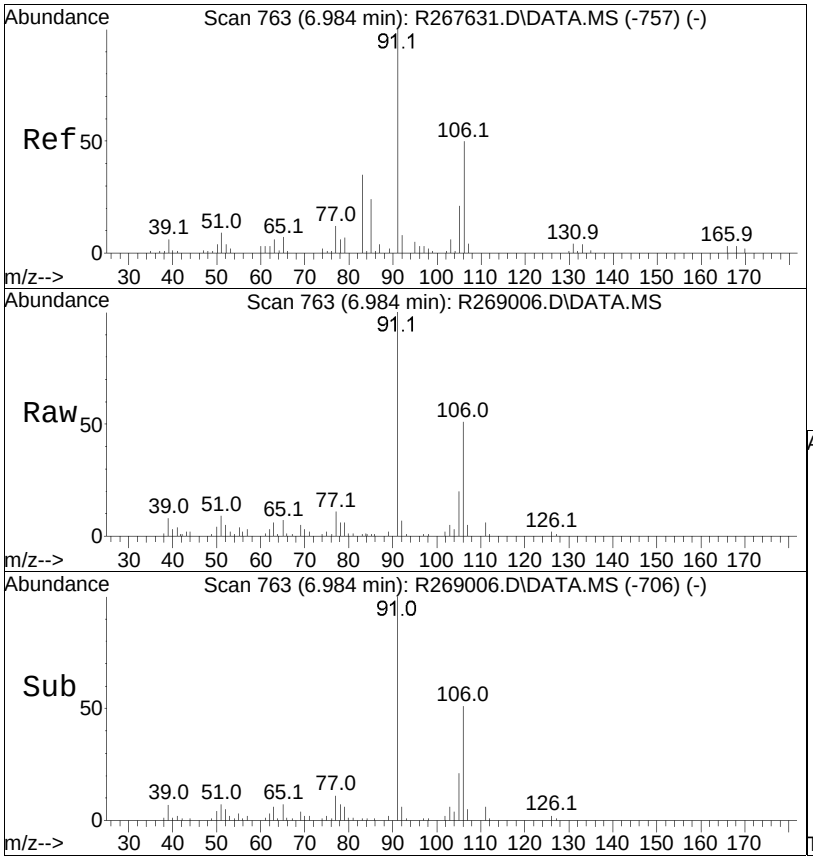


#85
styrene
Concen: 0.40 ppbV
RT: 6.931 min Scan# 754
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:104 Resp: 15213

Ion	Ratio	Lower	Upper
104	100		
103	55.5	38.6	57.8
78	41.4	32.5	48.7

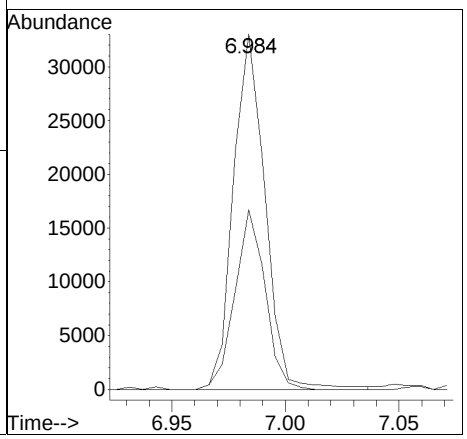


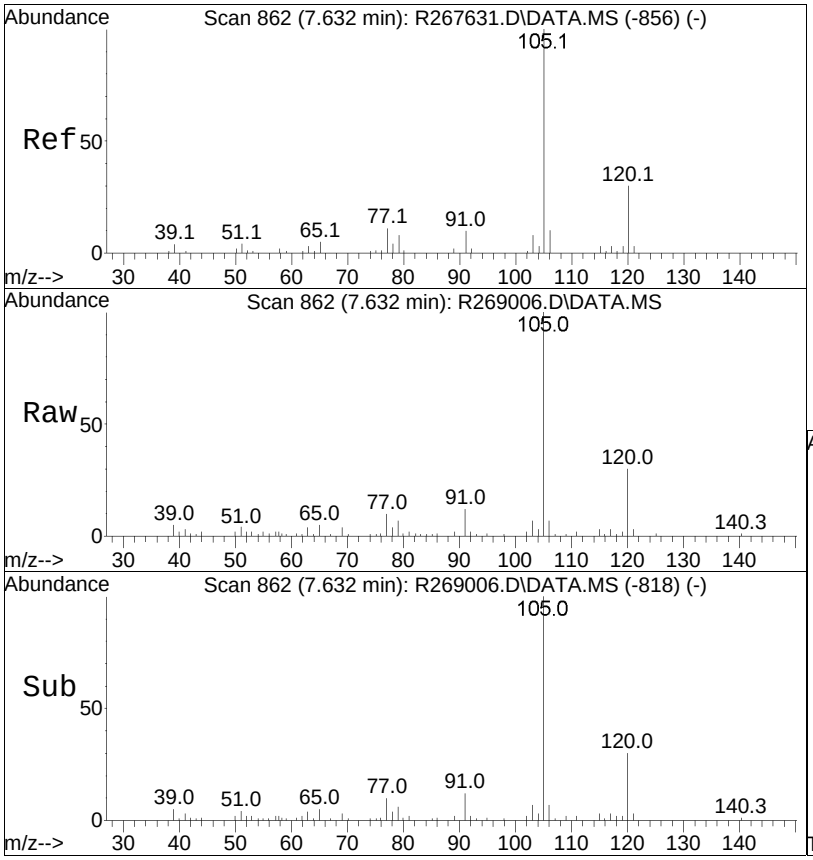


#87
o-xylene
Concen: 0.65 ppbV
RT: 6.984 min Scan# 763
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion: 91 Resp: 32029

Ion	Ratio	Lower	Upper
91	100		
106	50.6	40.2	60.2

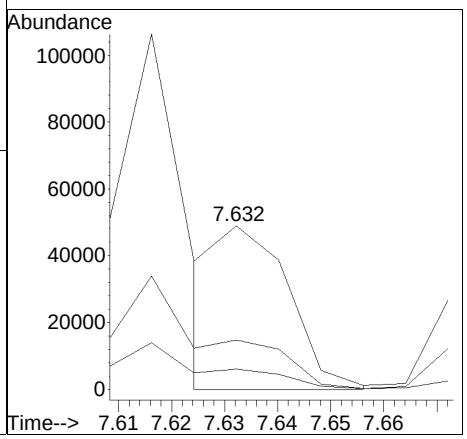


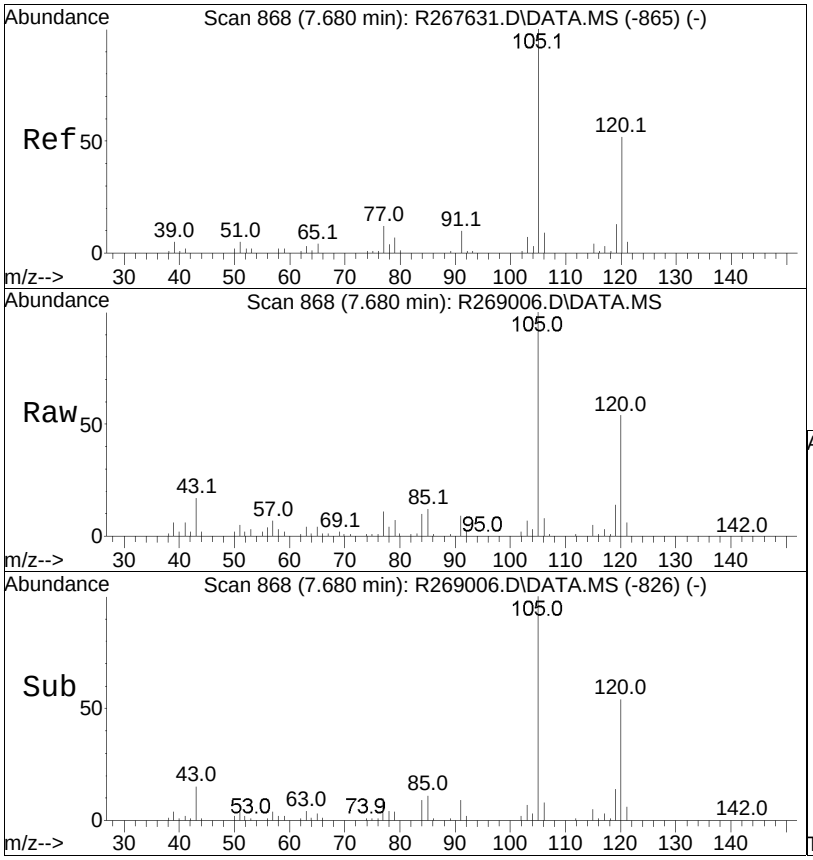


#96
4-ethyl toluene
Concen: 0.69 ppbV m
RT: 7.632 min Scan# 862
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:105 Resp: 45274

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.3	36.5
91	12.4	8.3	12.5

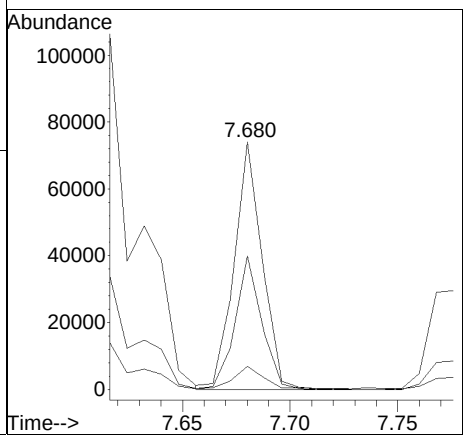


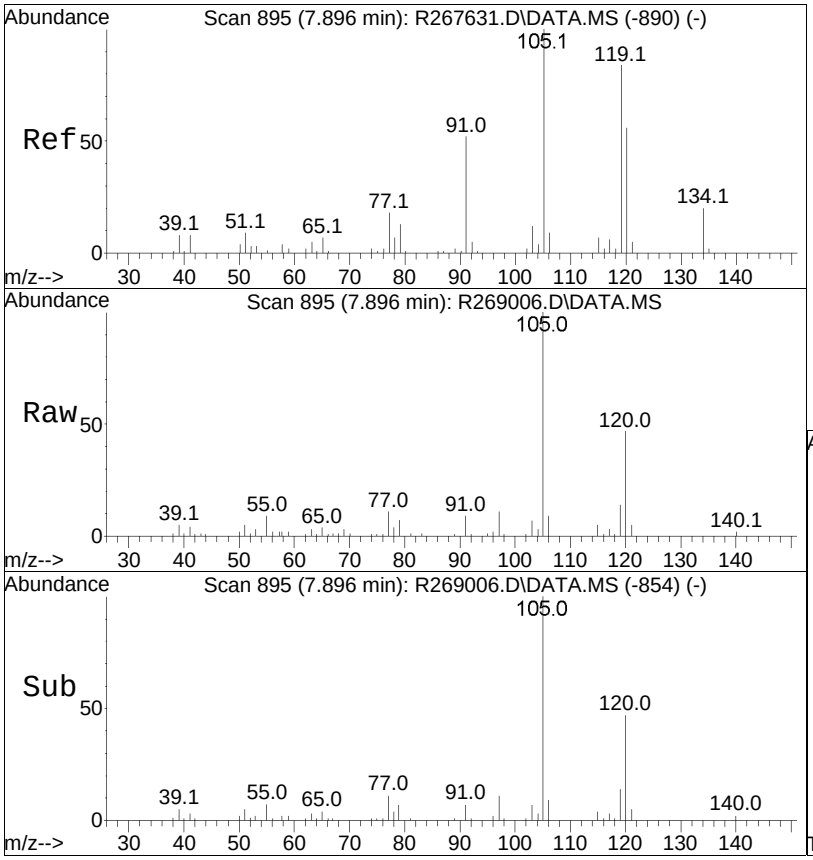


#97
1,3,5-trimethylbenzene
Concen: 1.20 ppbV
RT: 7.680 min Scan# 868
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:105 Resp: 67068

Ion	Ratio	Lower	Upper
105	100		
120	53.9	41.4	62.0
91	9.3	7.7	11.5

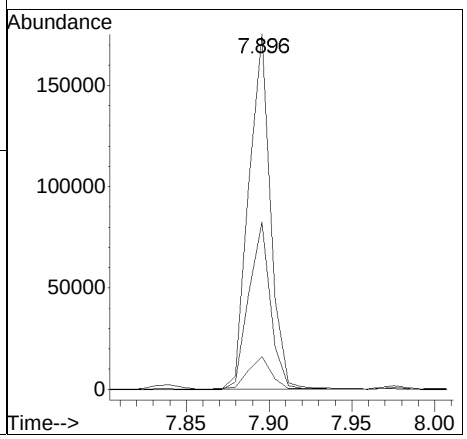


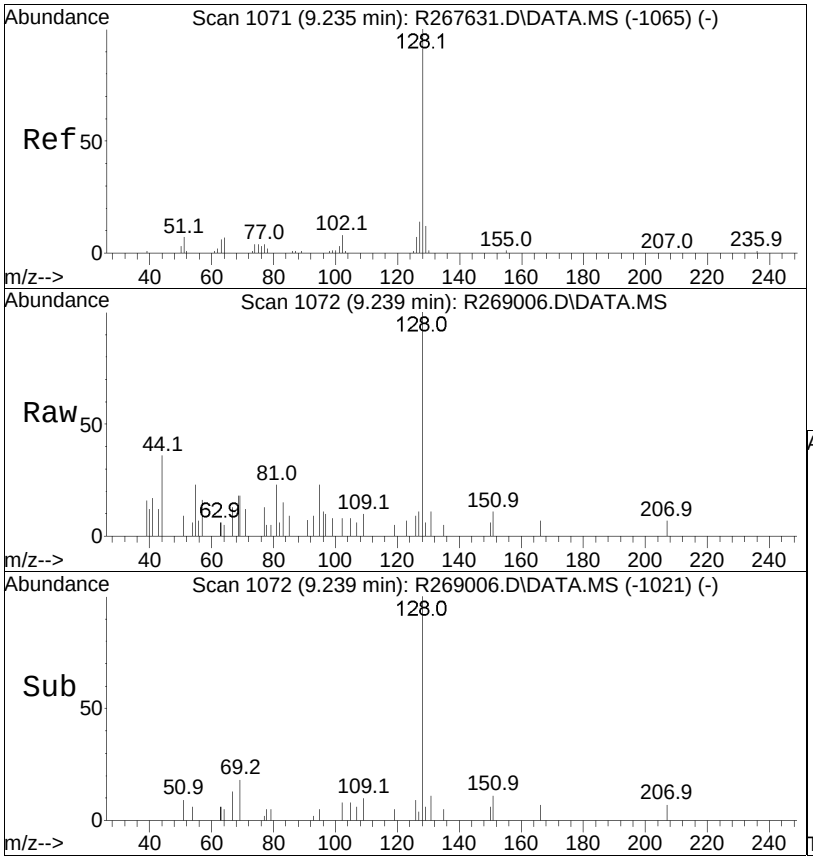


#99
1,2,4-trimethylbenzene
Concen: 2.84 ppbV
RT: 7.896 min Scan# 895
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:105 Resp: 159467

Ion	Ratio	Lower	Upper
105	100		
120	47.1	44.4	66.6
91	9.3	41.9	62.9#

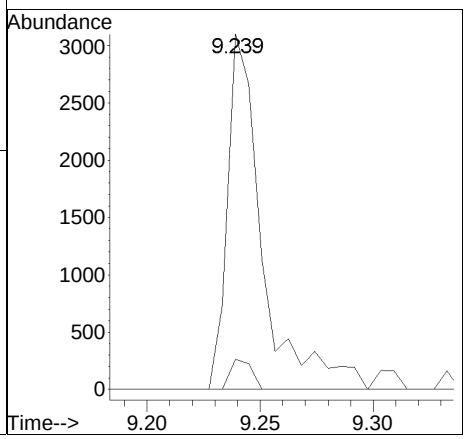




#116
naphthalene
Concen: 0.04 ppbV
RT: 9.239 min Scan# 1072
Delta R.T. 0.004 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:128 Resp: 3339

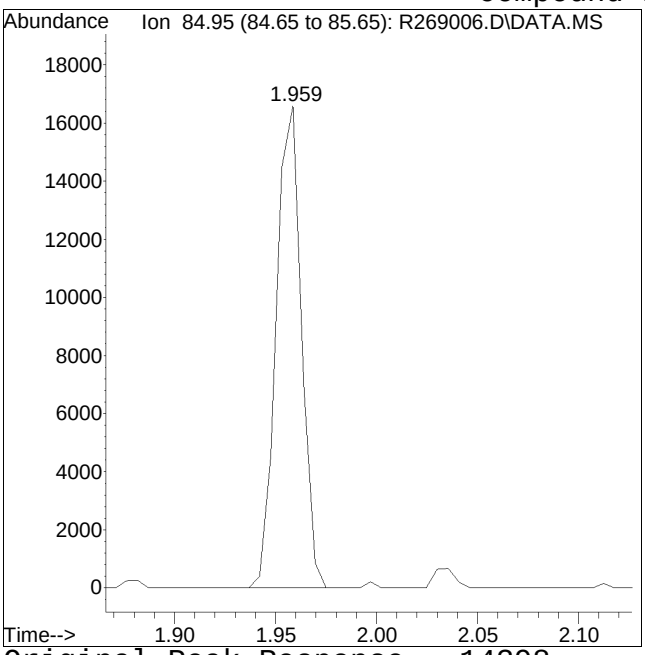
Ion	Ratio	Lower	Upper
128	100		
102	8.5	6.2	9.2

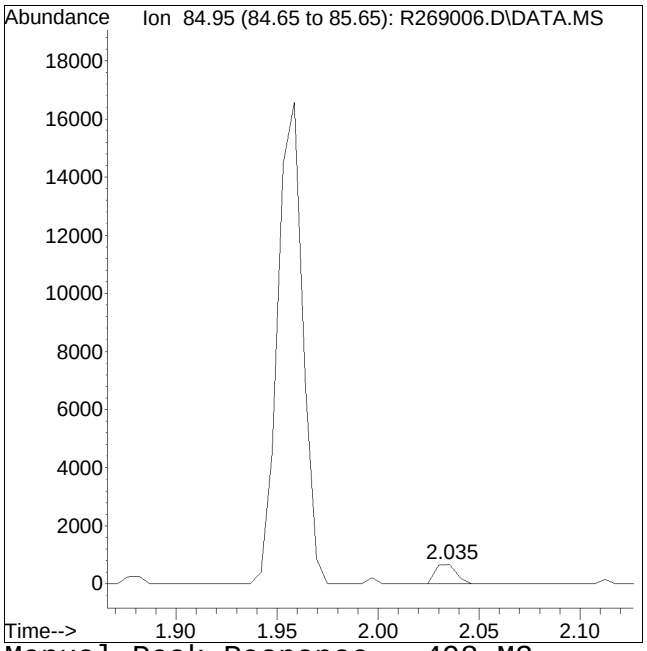


Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269006.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 10:42 pm Instrument : Airlab26
Sample : L2612752-05,3,250,250 Quant Date : 3/12/2026 7:02 am

Compound #7: Freon-114





Original Peak Response = 14398 Manual Peak Response = 498 M3

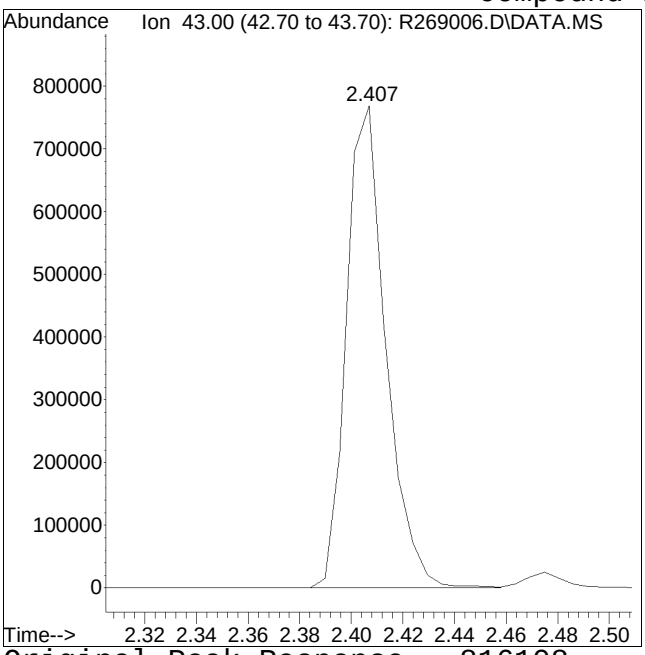
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

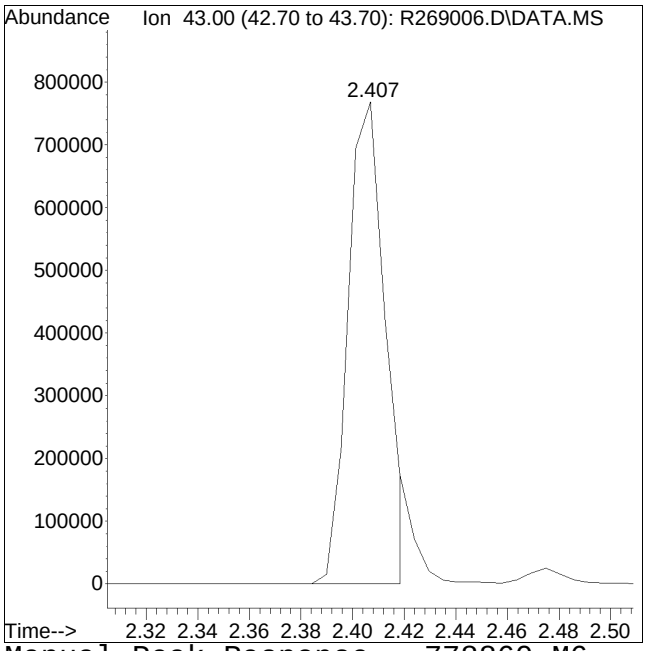
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269006.D
Date Inj'd : 3/11/2026 10:42 pm
Sample : L2612752-05,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:02 am

Compound #19: acetone



Original Peak Response = 816108



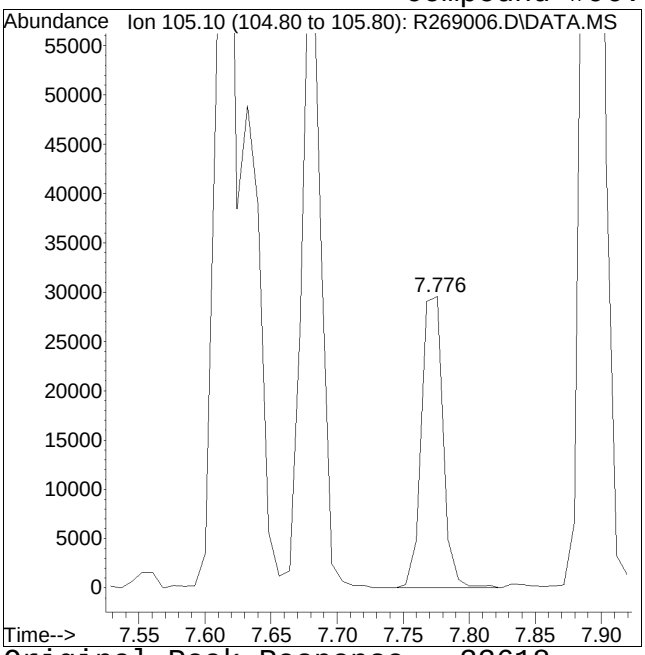
Manual Peak Response = 778860 M6

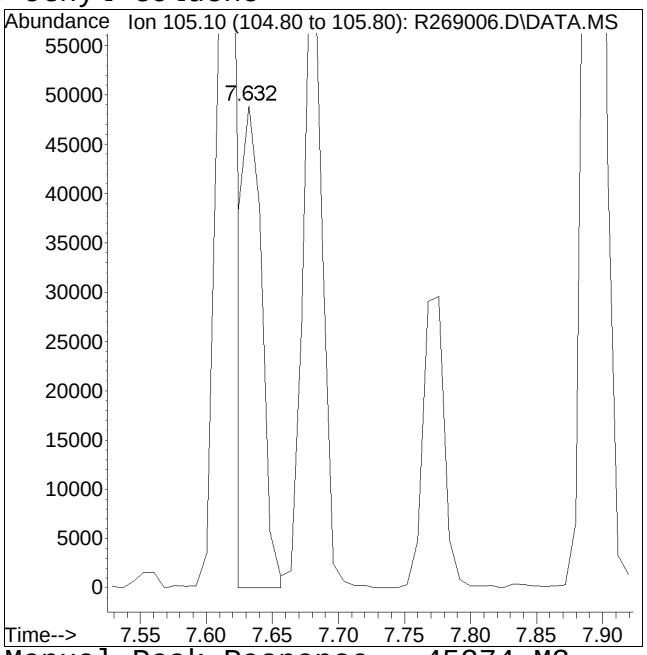
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269006.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 10:42 pm Instrument : Airlab26
Sample : L2612752-05,3,250,250 Quant Date : 3/12/2026 7:02 am

Compound #96: 4-ethyl toluene





Original Peak Response = 33618 Manual Peak Response = 45274 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\Airlab26\2026\03\0311T\
Data File : R269007.D
Acq On : 11 Mar 2026 11:14 pm
Operator : AIRLAB26:TPH
Sample : L2612752-06,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 07:02:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	154735	10.000	ppbV	0.00
Standard Area = 155717			Recovery =	99.37%		
43) 1,4-difluorobenzene	4.321	114	514799	10.000	ppbV	0.00
Standard Area = 520424			Recovery =	98.92%		
67) chlorobenzene-D5	6.442	54	70766	10.000	ppbV	0.00
Standard Area = 71975			Recovery =	98.32%		
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.958	85	14164	0.465	ppbV	98
6) chloromethane	2.002	50	5700	0.512	ppbV	96
7) Freon-114	2.041		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.	d	
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.271	31	133415	23.041	ppbV	95
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.412	43	891940M6	65.705	ppbV	
21) trichlorofluoromethane	2.463	101	6776	0.241	ppbV	89
22) isopropyl alcohol	2.480	45	215949	12.799	ppbV	100
27) tertiary butyl alcohol	2.656	59	7964	0.343	ppbV #	87
28) methylene chloride	2.675	49	6149	0.539	ppbV	88
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.761	76	1154	0.035	ppbV #	1
31) Freon 113	2.765	101	2053	0.082	ppbV	91
32) trans-1,2-dichloroethene	2.982	61	178216	11.289	ppbV	99
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	3.071		0	N.D.		
36) 2-butanone	3.208	43	289208	11.723	ppbV	99
38) Ethyl Acetate	3.491	61	806	0.161	ppbV	88
39) chloroform	3.499	83	1845	0.071	ppbV	94
40) Tetrahydrofuran	3.676	42	83991	7.818	ppbV	98
42) 1,2-dichloroethane	3.822		0	N.D.		
44) hexane	3.484	57	11185	0.532	ppbV #	12
50) benzene	4.132	78	15842	0.363	ppbV	94
53) cyclohexane	4.264	56	4725	0.236	ppbV	88
56) 1,2-dichloropropane	0.000		0	N.D.		

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269007.D
Acq On : 11 Mar 2026 11:14 pm
Operator : AIRLAB26:TPH
Sample : L2612752-06,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 07:02:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

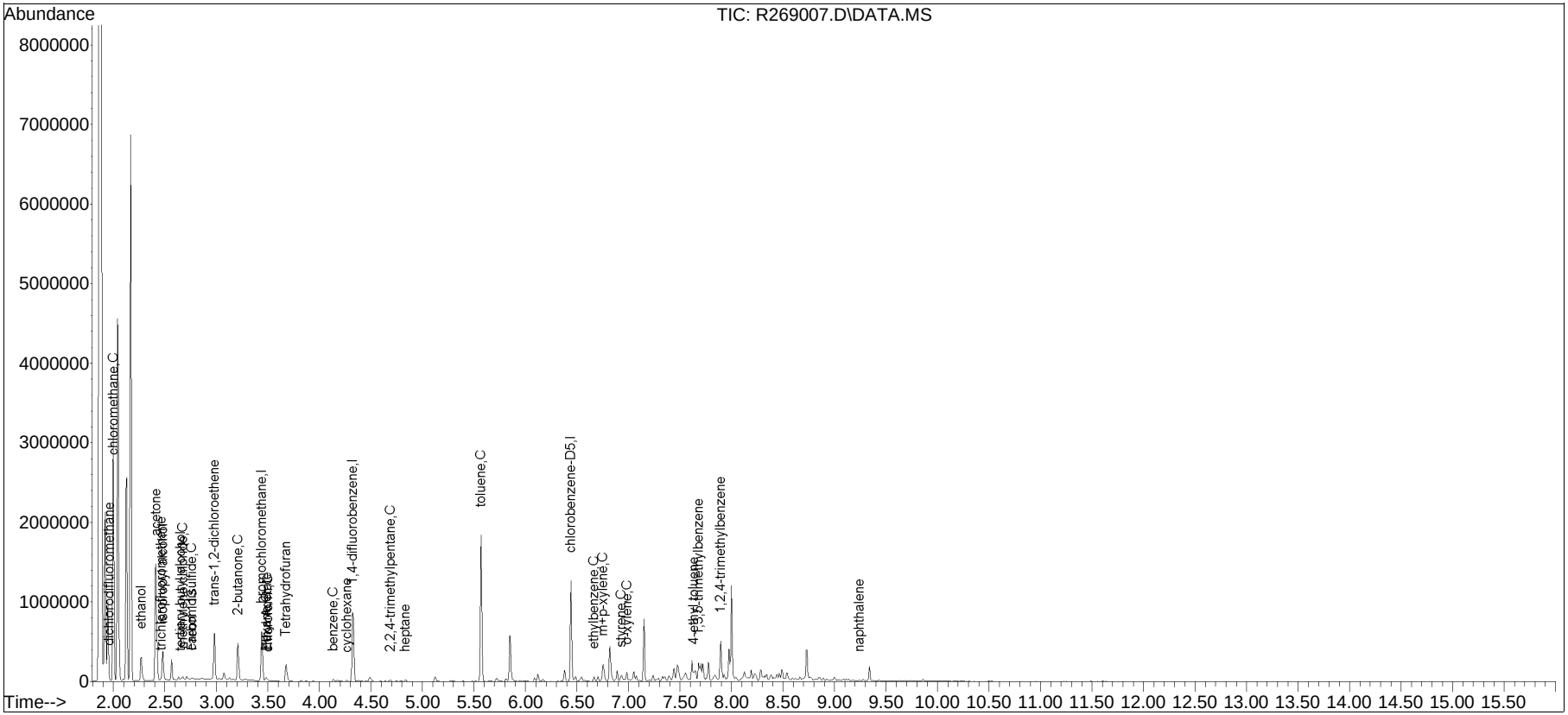
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) bromodichloromethane	4.585		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	10341	0.171	ppbV #	89
62) heptane	4.830	43	6295	0.309	ppbV #	88
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	5.568	91	810558	16.154	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	6.442		0	N.D.		
81) ethylbenzene	6.665	91	23700	0.376	ppbV	98
83) m+p-xylene	6.753	91	90653	1.870	ppbV	97
84) bromoform	0.000		0	N.D.		
85) styrene	6.931	104	15808	0.418	ppbV	97
86) 1,1,2,2-tetrachloroethane	0.000		0	N.D. d		
87) o-xylene	6.984	91	35398	0.725	ppbV	96
96) 4-ethyl toluene	7.632	105	39898M6	0.614	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	58877	1.060	ppbV	98
99) 1,2,4-trimethylbenzene	7.895	105	147724	2.652	ppbV #	66
101) Benzyl Chloride	0.000		0	N.D. d		
102) 1,3-dichlorobenzene	0.000		0	N.D. d		
103) 1,4-dichlorobenzene	0.000		0	N.D. d		
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.241	128	3696	0.040	ppbV #	89
119) hexachlorobutadiene	0.000		0	N.D.		

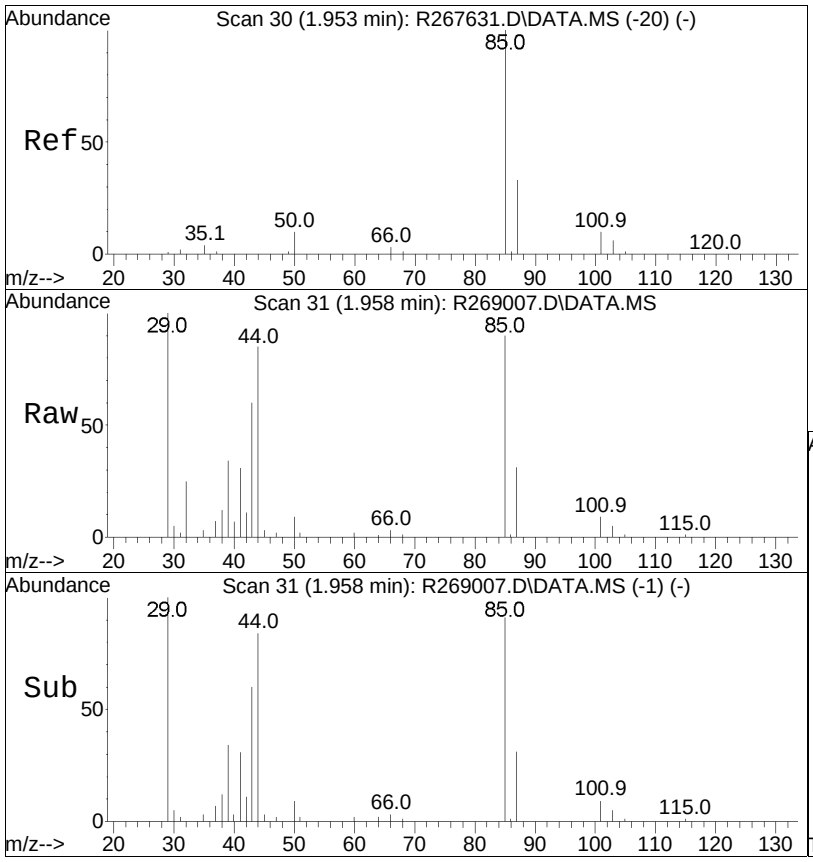
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269007.D
Acq On : 11 Mar 2026 11:14 pm
Operator : AIRLAB26:TPH
Sample : L2612752-06,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 07:02:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

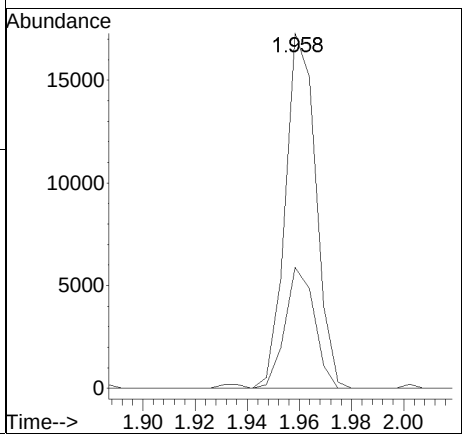


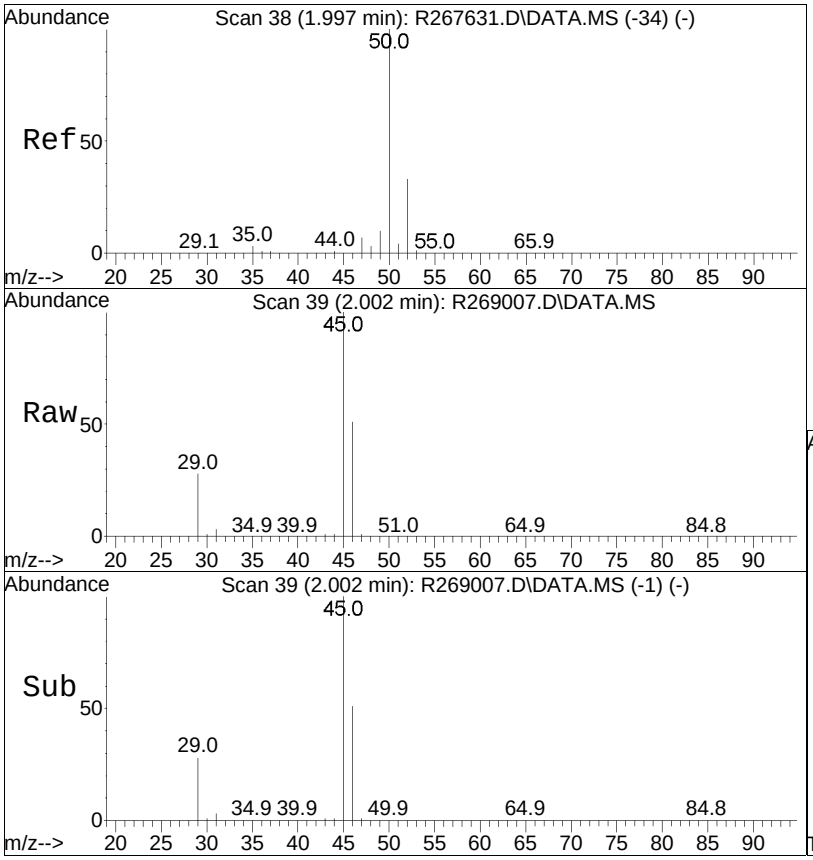


#5
dichlorodifluoromethane
Concen: 0.47 ppbV
RT: 1.958 min Scan# 31
Delta R.T. 0.005 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 85 Resp: 14164

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.2	39.2

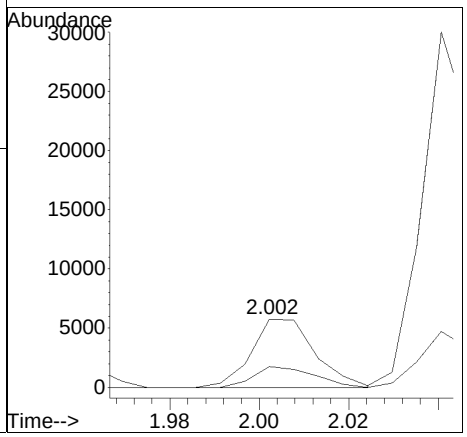


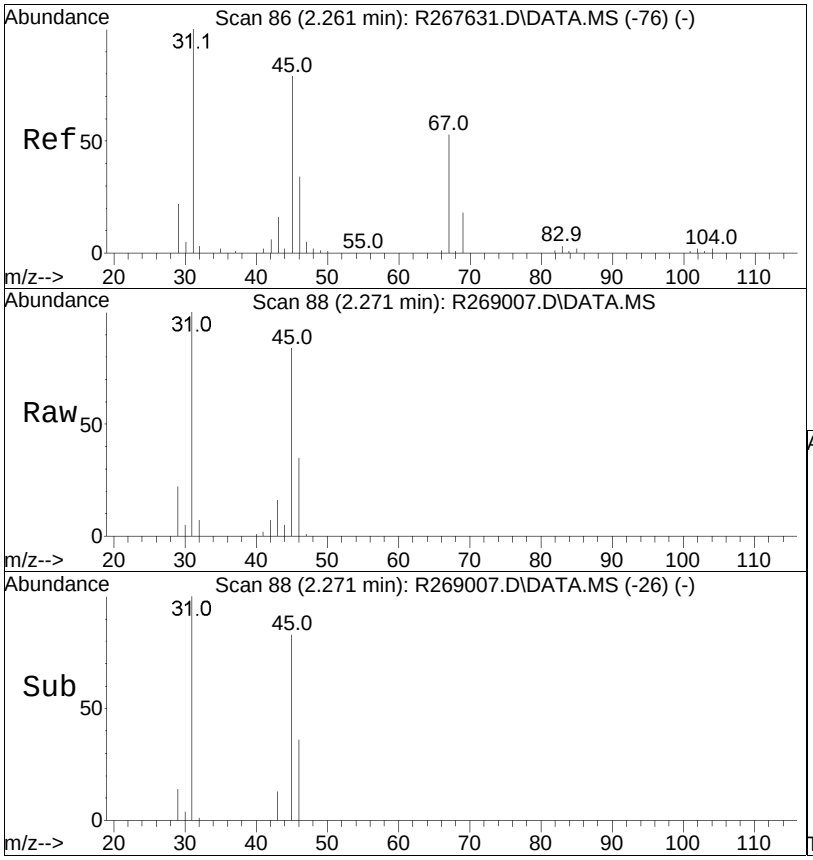


#6
chloromethane
Concen: 0.51 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 50 Resp: 5700

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.2	39.4

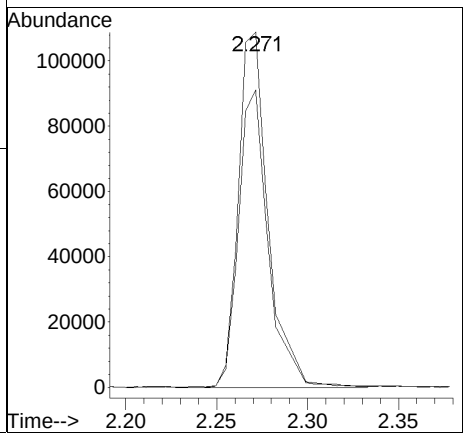


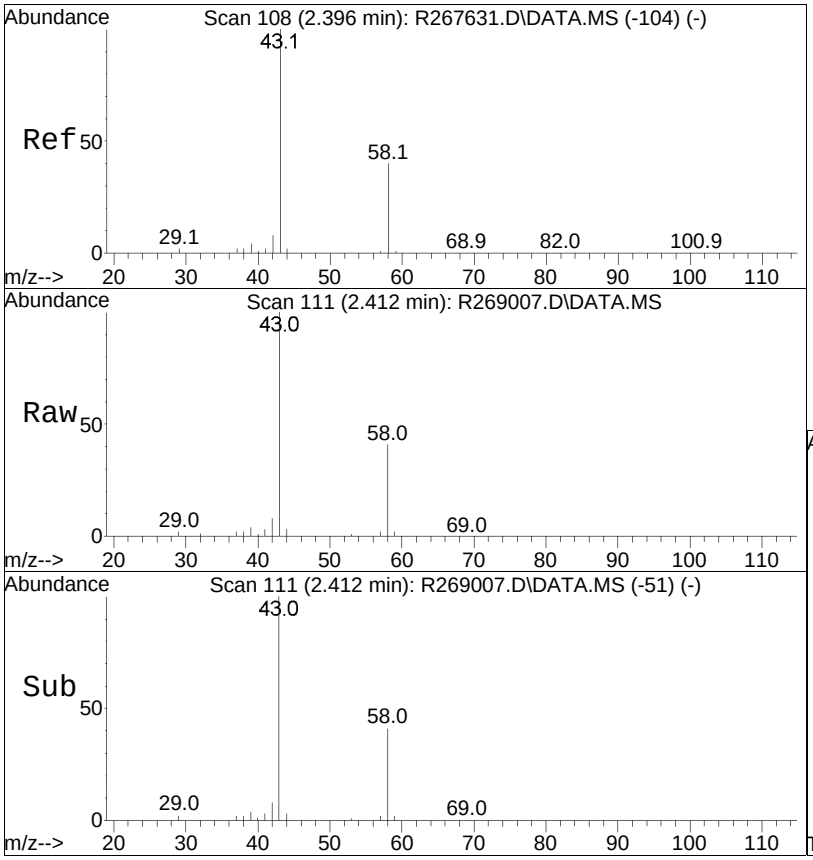


#15
ethanol
Concen: 23.04 ppbV
RT: 2.271 min Scan# 88
Delta R.T. 0.011 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 31 Resp: 133415

Ion	Ratio	Lower	Upper
31	100		
45	83.7	63.4	95.0

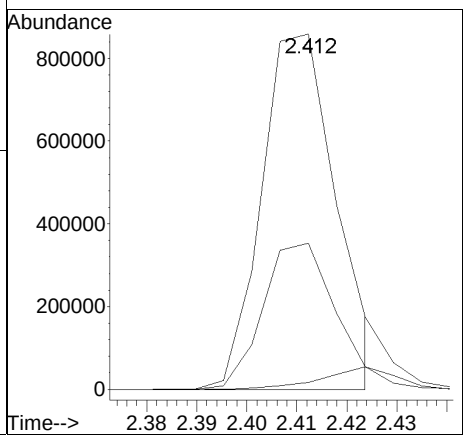


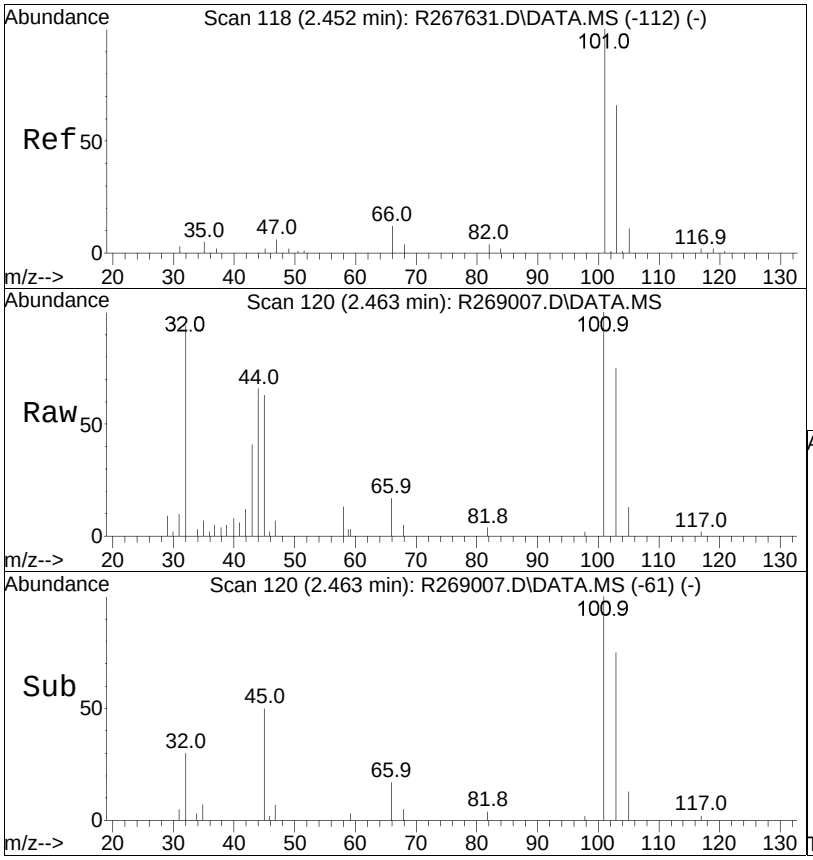


#19
acetone
Concen: 65.71 ppbV m
RT: 2.412 min Scan# 111
Delta R.T. 0.017 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 43 Resp: 891940

Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.2	48.2
57	2.0	1.0	1.4#

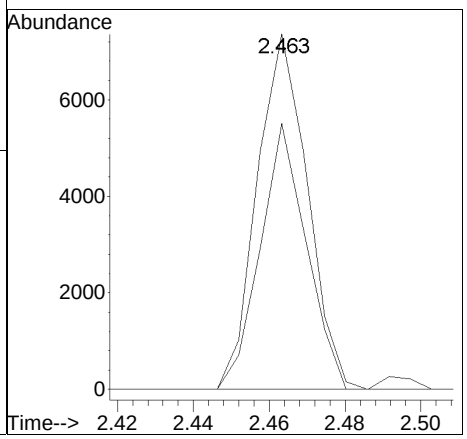


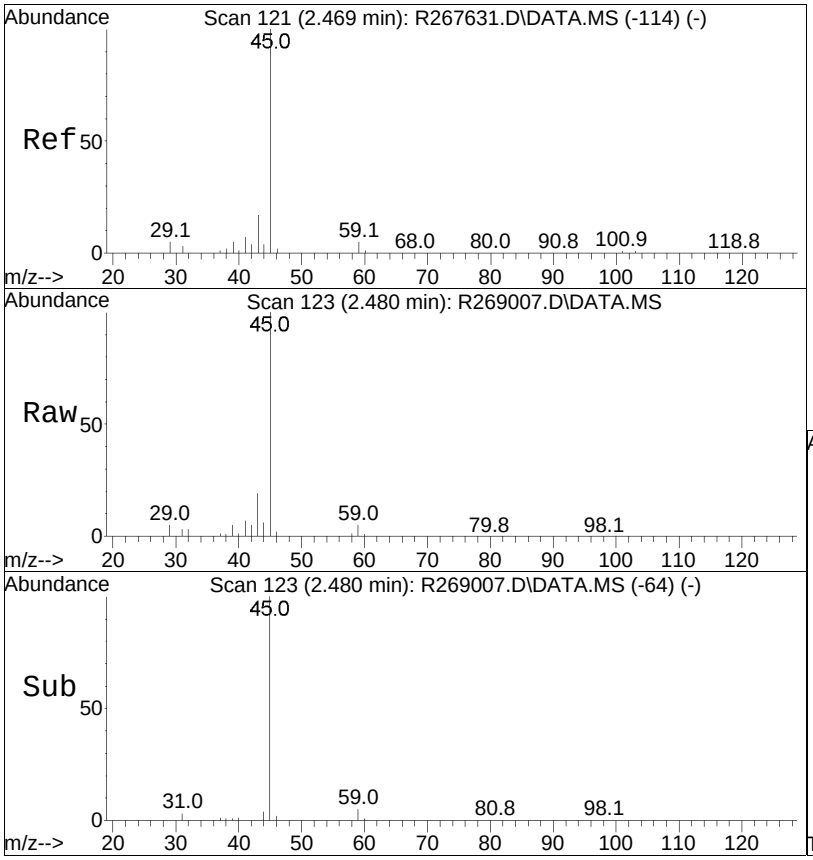


#21
trichlorofluoromethane
Concen: 0.24 ppbV
RT: 2.463 min Scan# 120
Delta R.T. 0.011 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:101 Resp: 6776

Ion	Ratio	Lower	Upper
101	100		
103	74.8	52.6	78.8

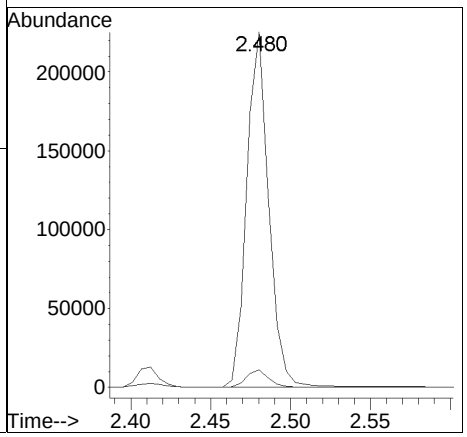


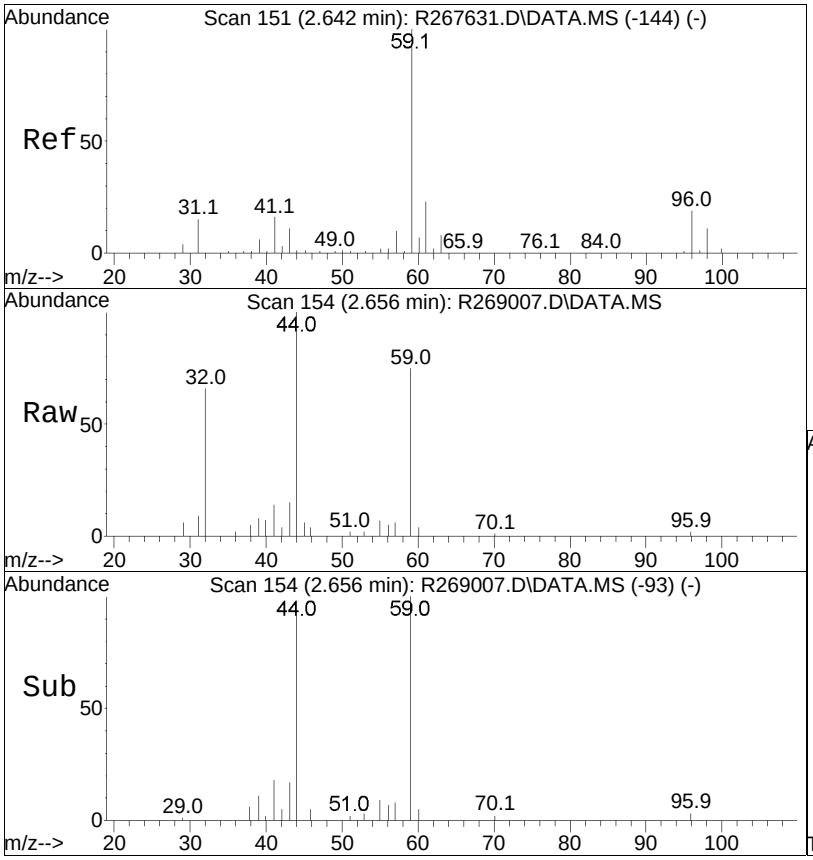


#22
isopropyl alcohol
Concen: 12.80 ppbV
RT: 2.480 min Scan# 123
Delta R.T. 0.011 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 45 Resp: 215949

Ion	Ratio	Lower	Upper
45	100		
59	5.0	4.0	6.0

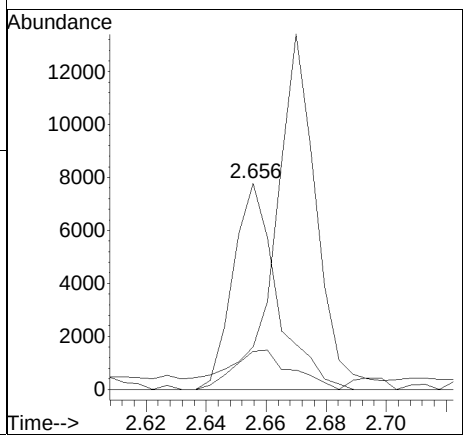


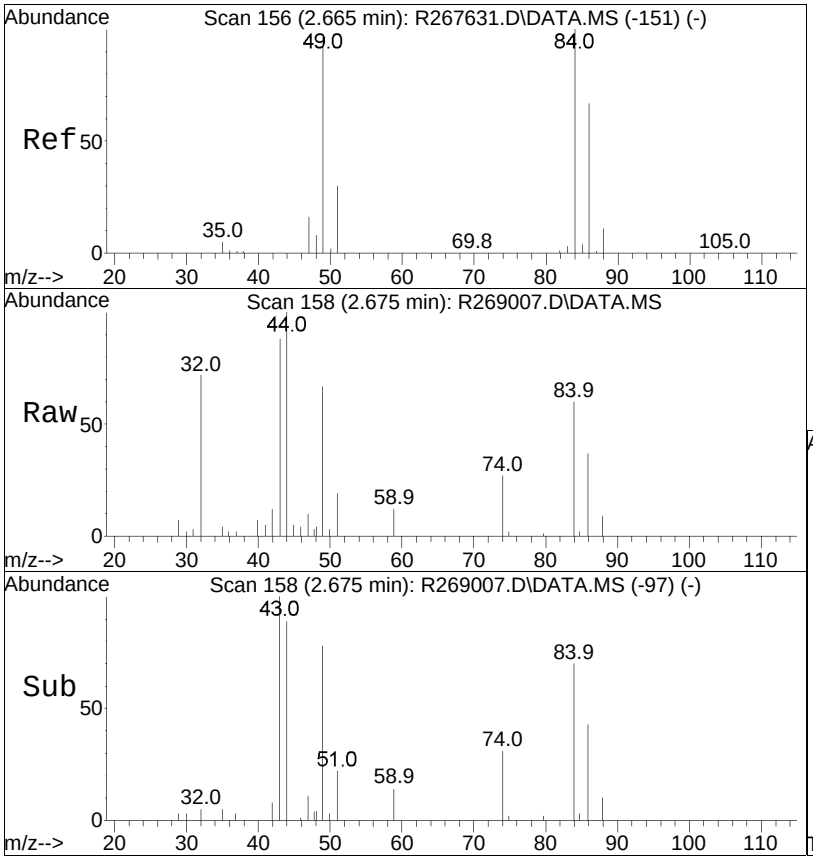


#27
tertiary butyl alcohol
Concen: 0.34 ppbV
RT: 2.656 min Scan# 154
Delta R.T. 0.014 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 59 Resp: 7964

Ion	Ratio	Lower	Upper
59	100		
41	18.5	13.1	19.7
43	20.7	8.8	13.2#

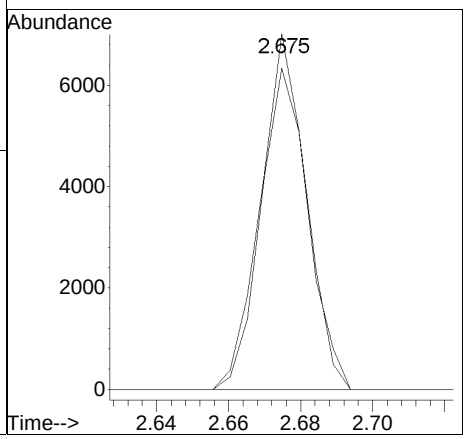


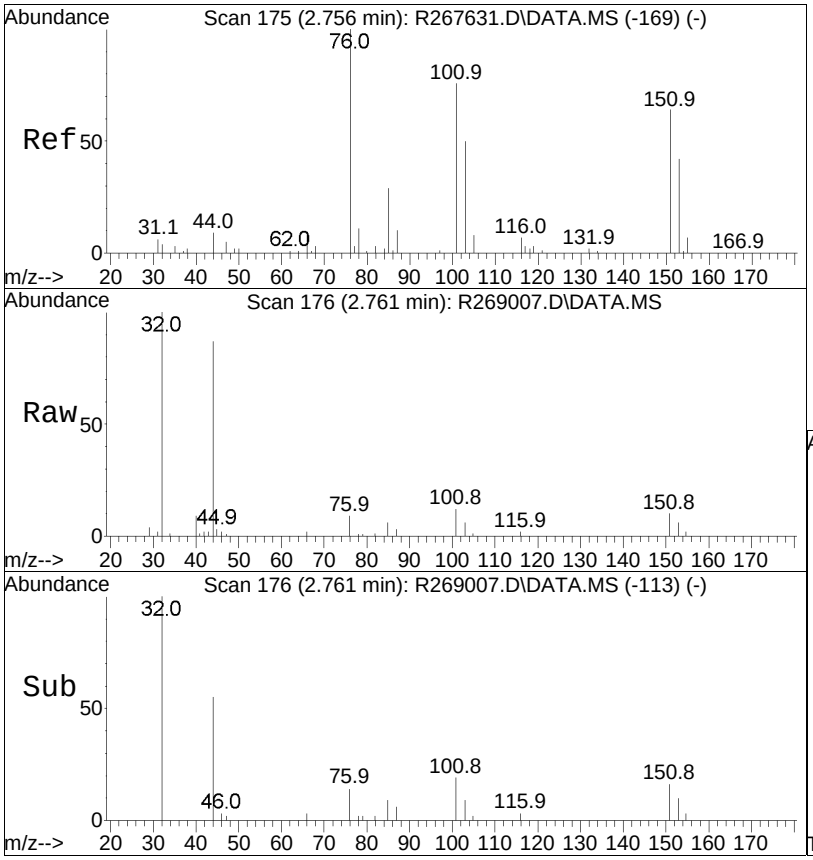


#28
methylene chloride
Concen: 0.54 ppbV
RT: 2.675 min Scan# 158
Delta R.T. 0.009 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 49 Resp: 6149

Ion	Ratio	Lower	Upper
49	100		
84	90.4	82.0	123.0

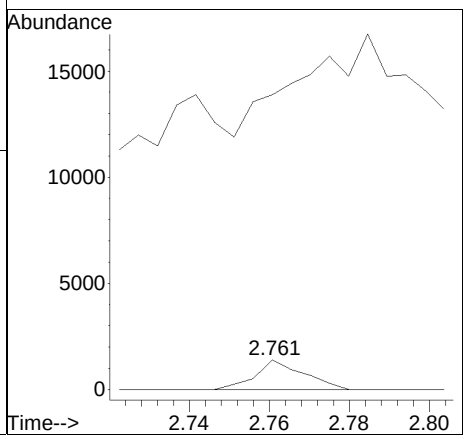


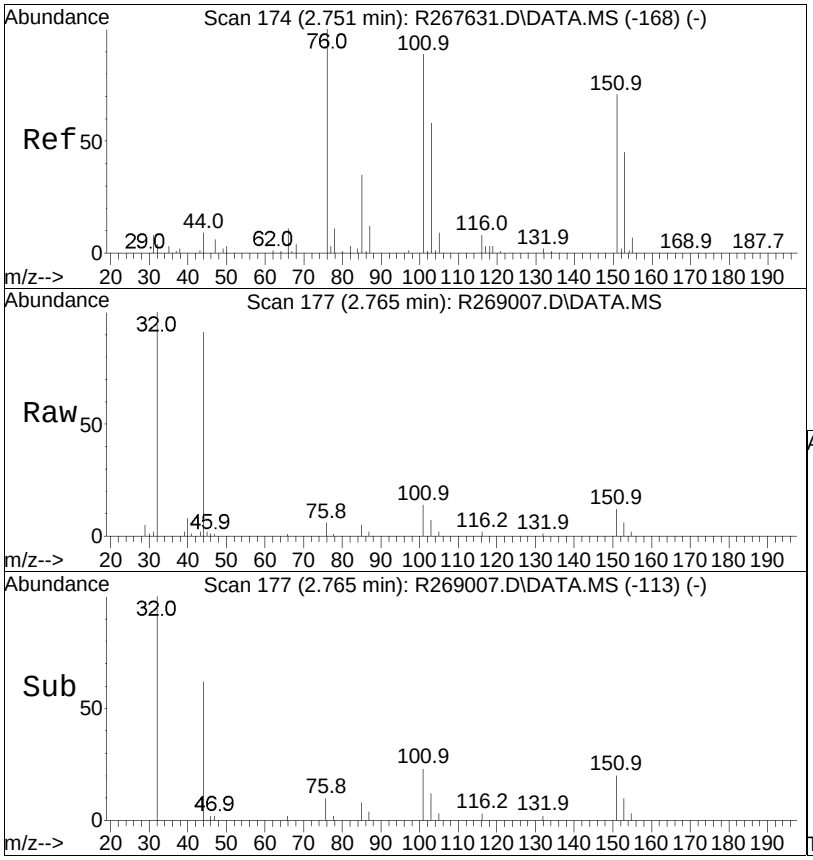


#30
carbon disulfide
Concen: 0.04 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.005 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 76 Resp: 1154

Ion	Ratio	Lower	Upper
76	100		
44	999.4	8.6	13.0#

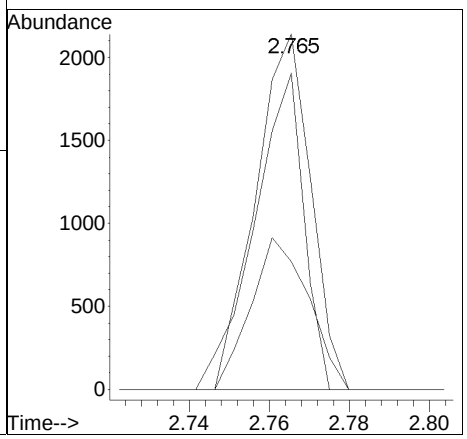


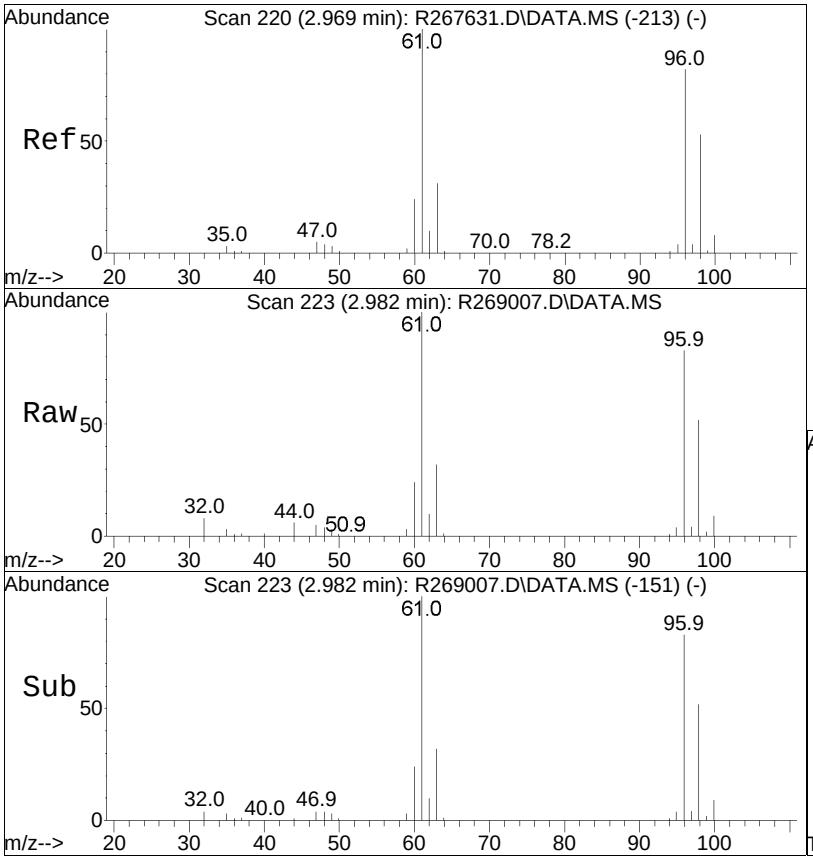


#31
Freon 113
Concen: 0.08 ppbV
RT: 2.765 min Scan# 177
Delta R.T. 0.014 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:101 Resp: 2053

Ion	Ratio	Lower	Upper
101	100		
85	36.0	32.0	48.0
151	89.0	64.0	96.0

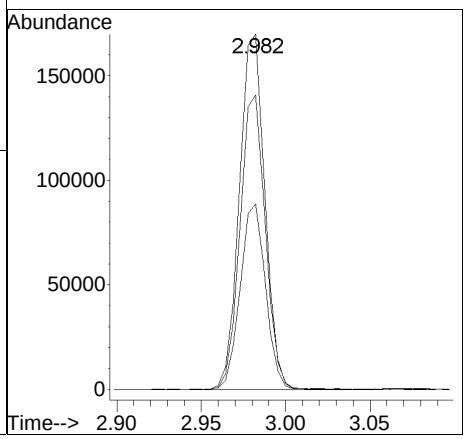


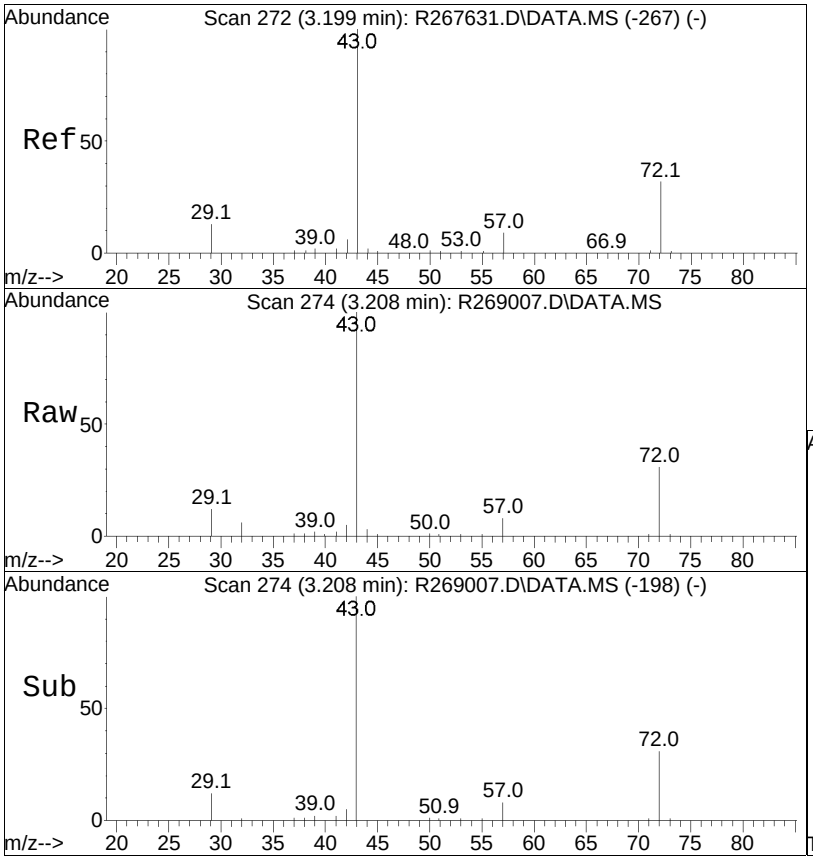


#32
trans-1,2-dichloroethene
Concen: 11.29 ppbV
RT: 2.982 min Scan# 223
Delta R.T. 0.013 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 61 Resp: 178216

Ion	Ratio	Lower	Upper
61	100		
96	82.8	65.8	98.6
98	52.2	42.4	63.6

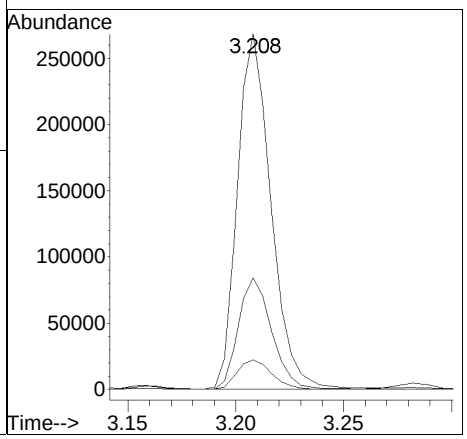


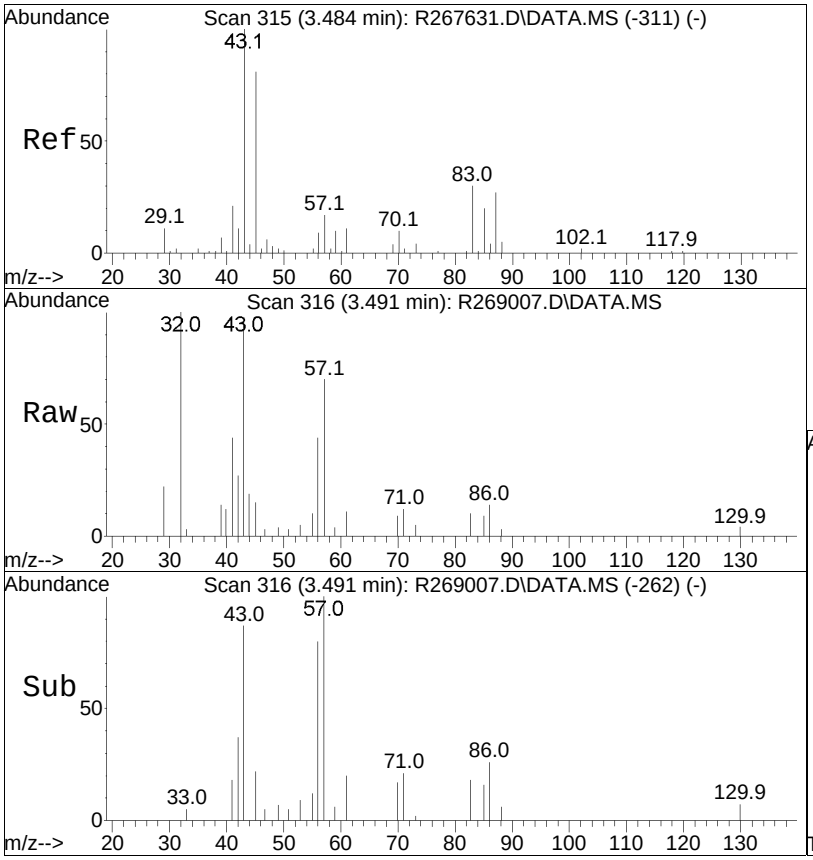


#36
2-butanone
Concen: 11.72 ppbV
RT: 3.208 min Scan# 274
Delta R.T. 0.009 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 43 Resp: 289208

Ion	Ratio	Lower	Upper
43	100		
72	31.4	25.1	37.7
57	8.3	7.4	11.2

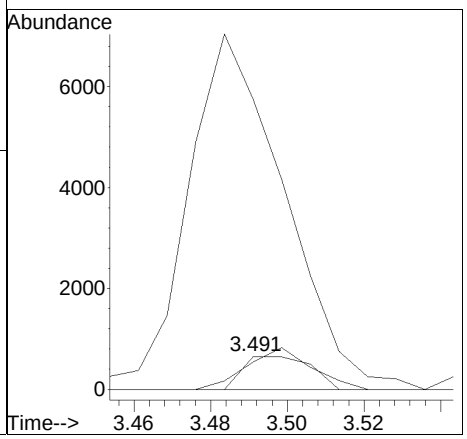


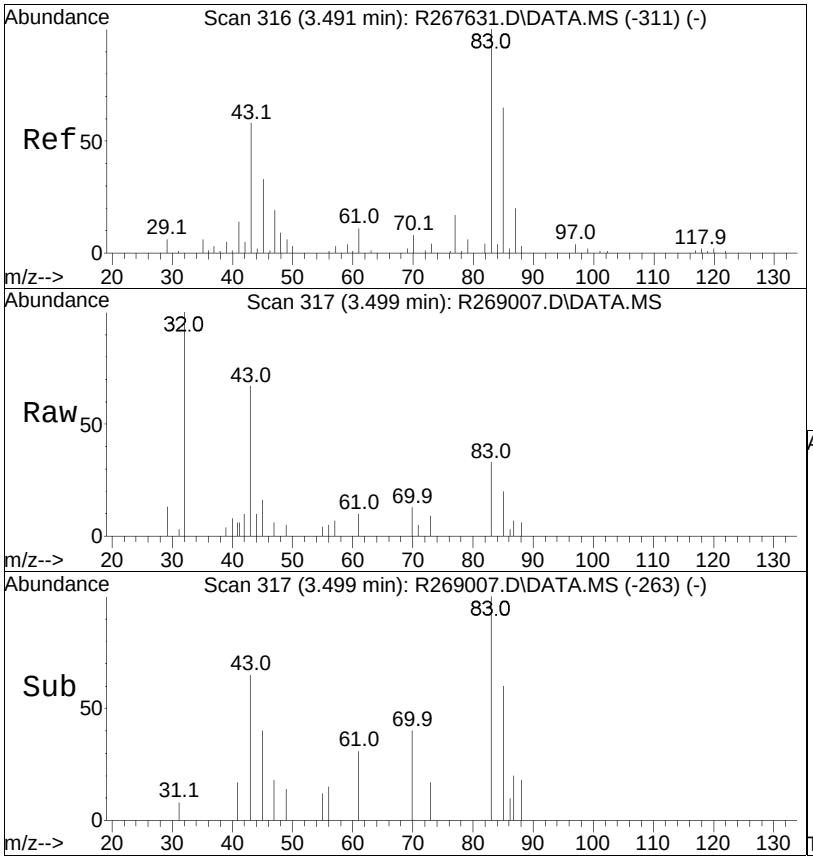


#38
Ethyl Acetate
Concen: 0.16 ppbV
RT: 3.491 min Scan# 316
Delta R.T. 0.007 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 61 Resp: 806

Ion	Ratio	Lower	Upper
61	100		
70	83.5	73.9	110.9
43	886.1	752.6	1128.8

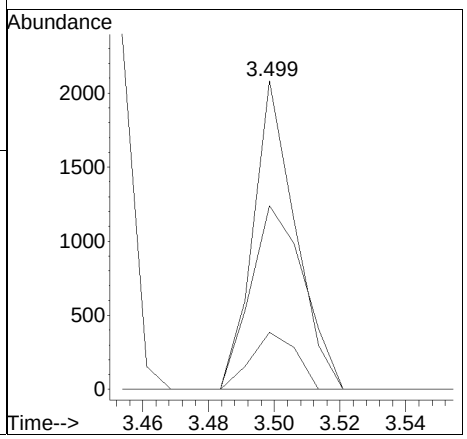


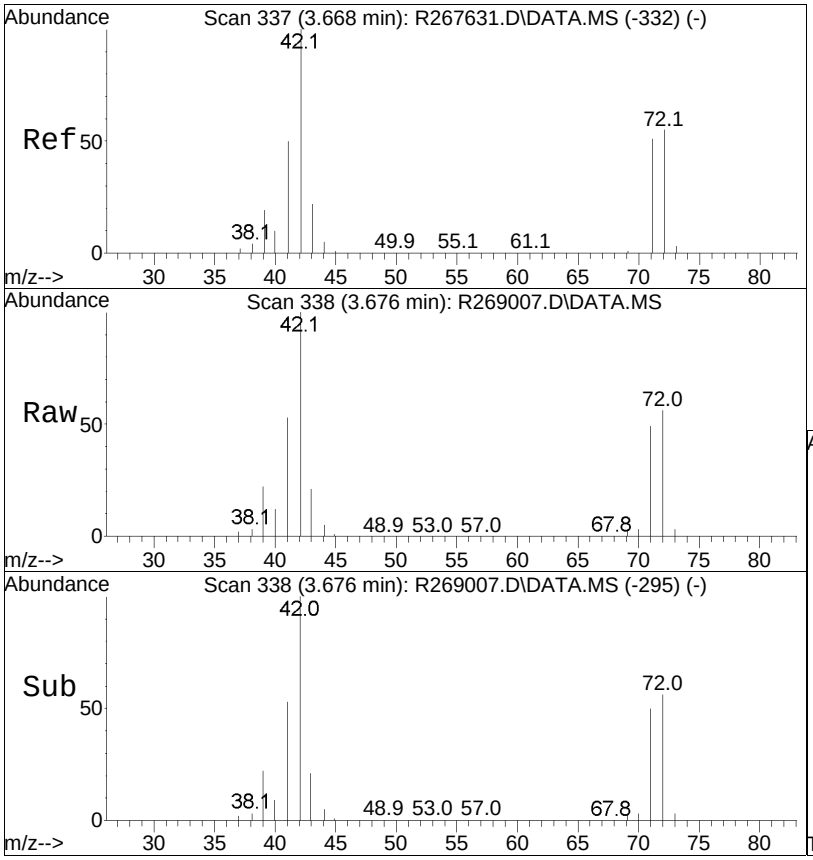


#39
chloroform
Concen: 0.07 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.007 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 83 Resp: 1845

Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.9	77.9
47	18.5	15.4	23.2

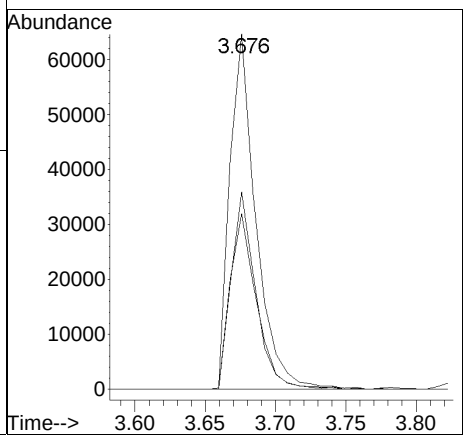


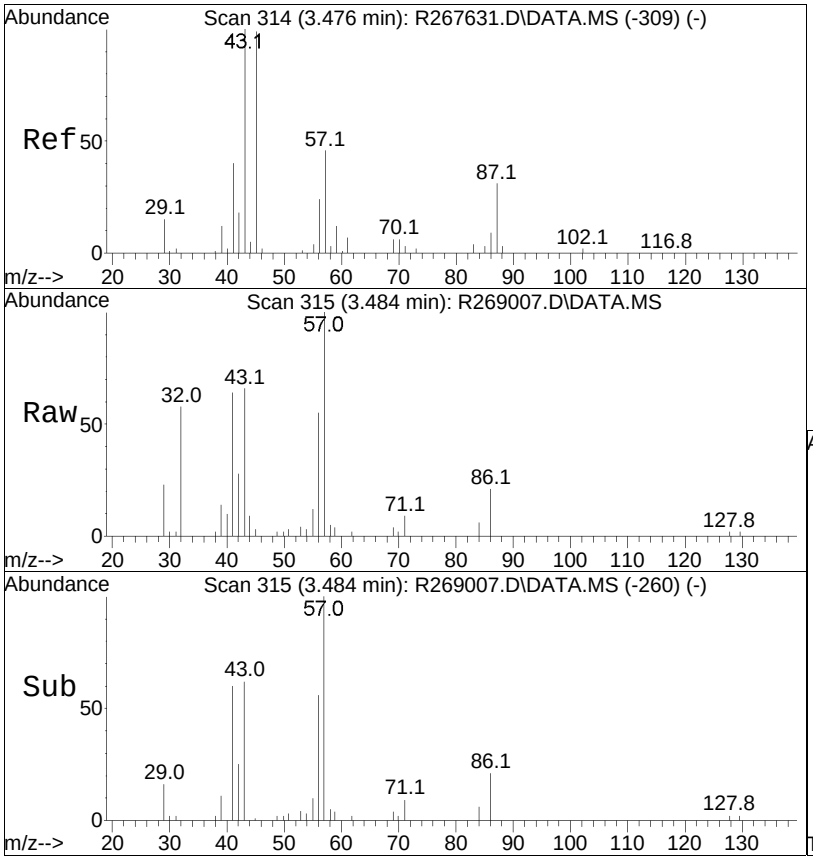


#40
Tetrahydrofuran
Concen: 7.82 ppbV
RT: 3.676 min Scan# 338
Delta R.T. 0.008 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 42 Resp: 83991

Ion	Ratio	Lower	Upper
42	100		
71	49.5	41.0	61.6
72	55.5	44.2	66.2

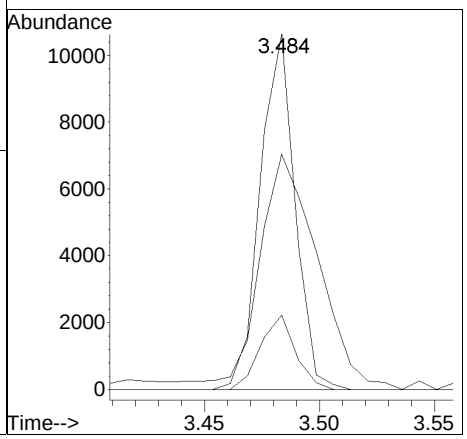


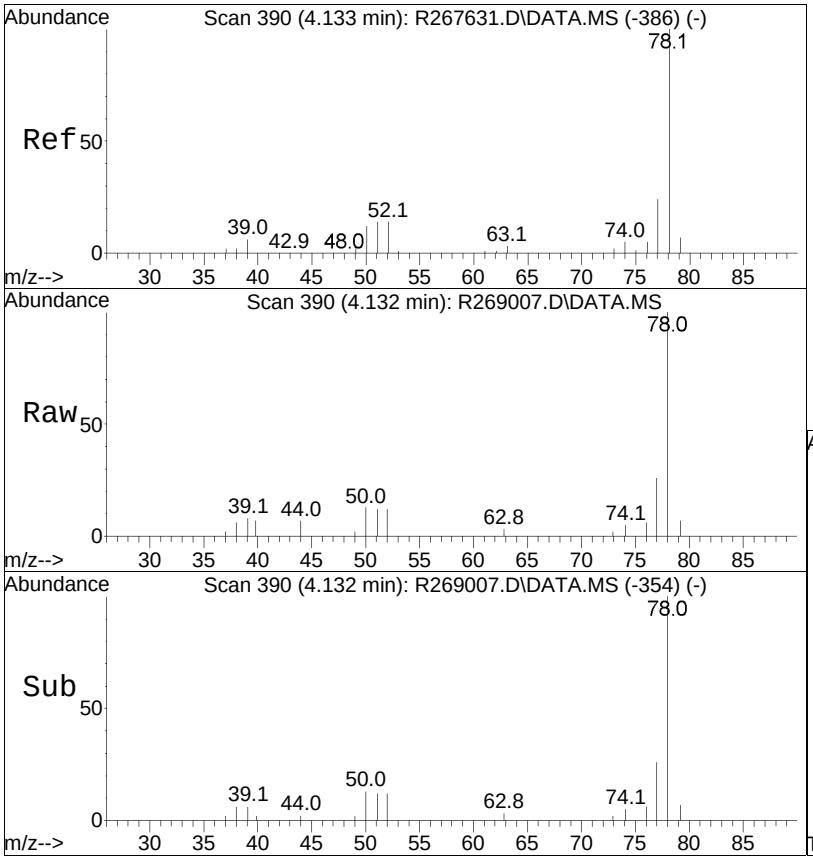


#44
hexane
Concen: 0.53 ppbV
RT: 3.484 min Scan# 315
Delta R.T. 0.007 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 57 Resp: 11185

Ion	Ratio	Lower	Upper
57	100		
43	66.2	175.4	263.0#
86	20.9	16.1	24.1

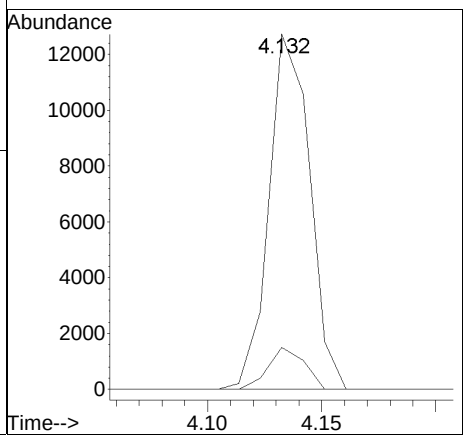


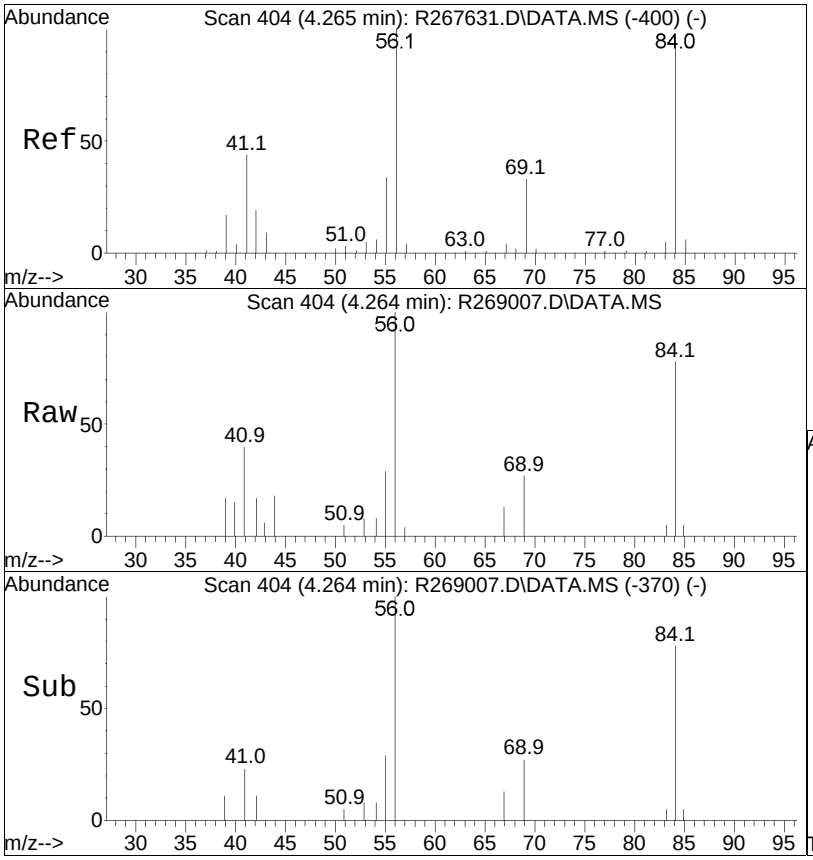


#50
benzene
Concen: 0.36 ppbV
RT: 4.132 min Scan# 390
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 78 Resp: 15842

Ion	Ratio	Lower	Upper
78	100		
52	11.8	11.3	16.9

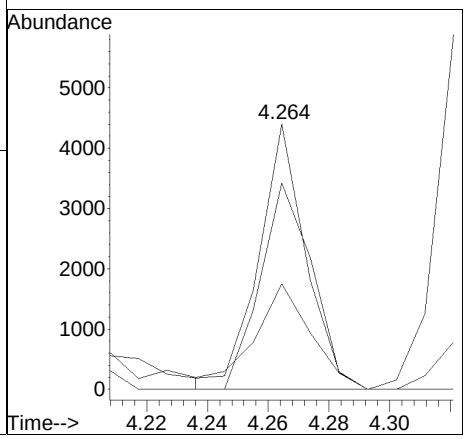


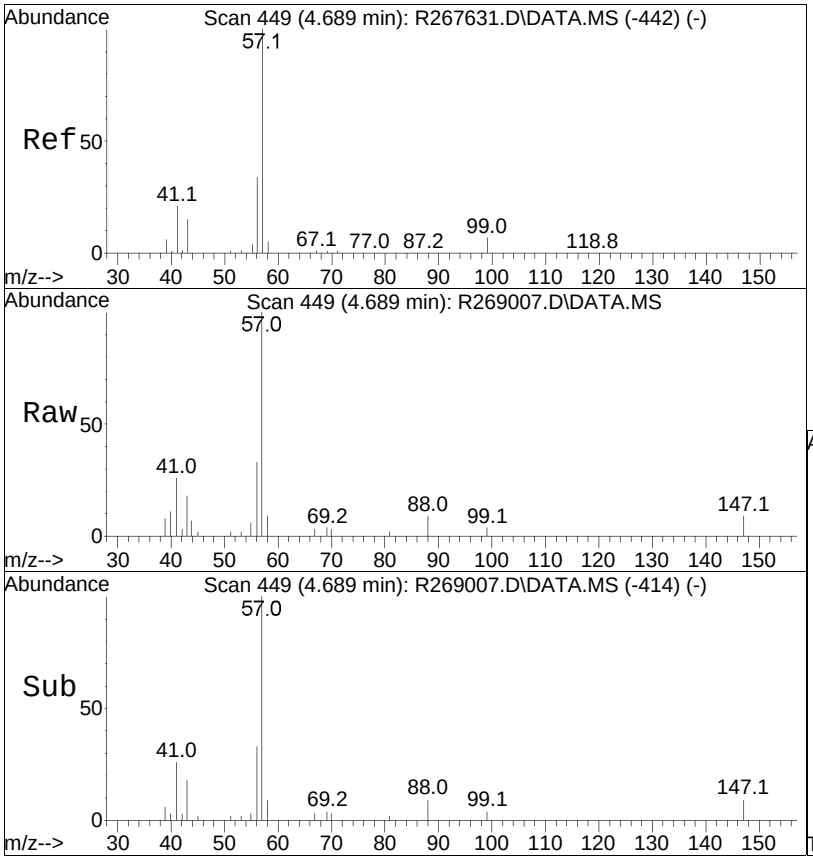


#53
cyclohexane
Concen: 0.24 ppbV
RT: 4.264 min Scan# 404
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 56 Resp: 4725

Ion	Ratio	Lower	Upper
56	100		
84	77.9	73.7	110.5
41	39.8	35.0	52.4

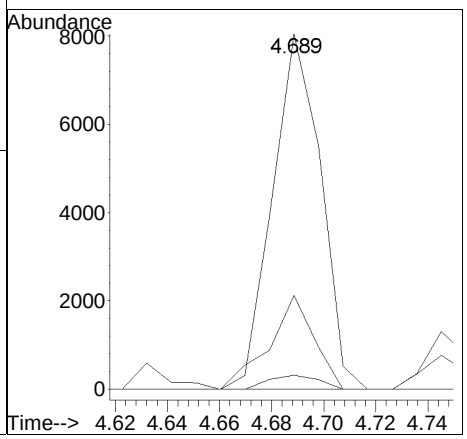


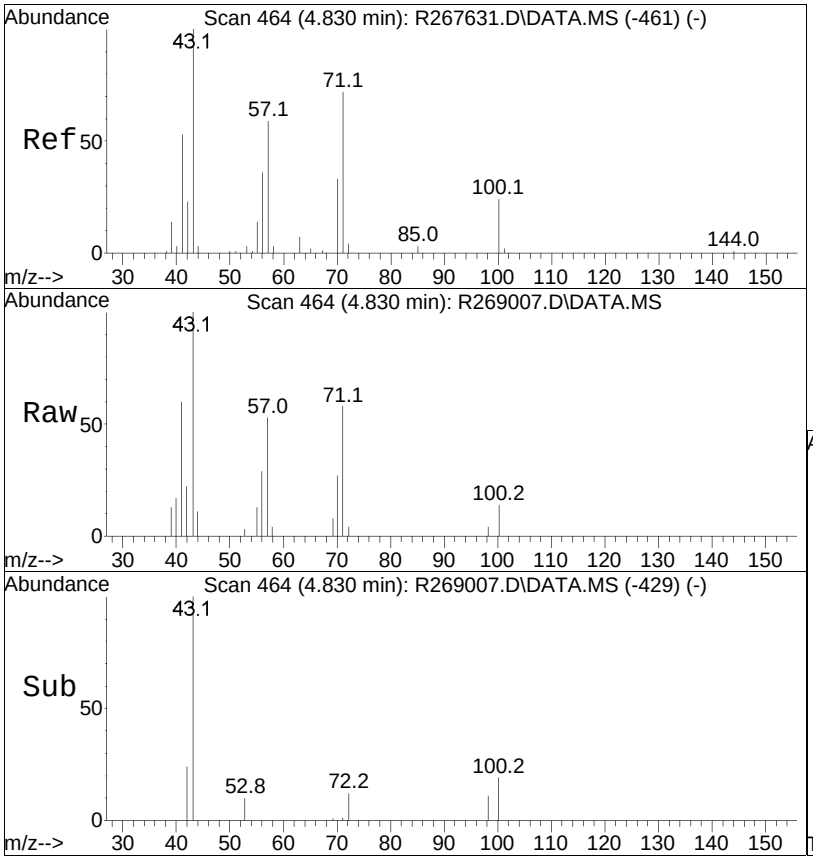


#60
2,2,4-trimethylpentane
Concen: 0.17 ppbV
RT: 4.689 min Scan# 449
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 57 Resp: 10341

Ion	Ratio	Lower	Upper
57	100		
99	4.0	5.4	8.2#
41	26.4	16.7	25.1#

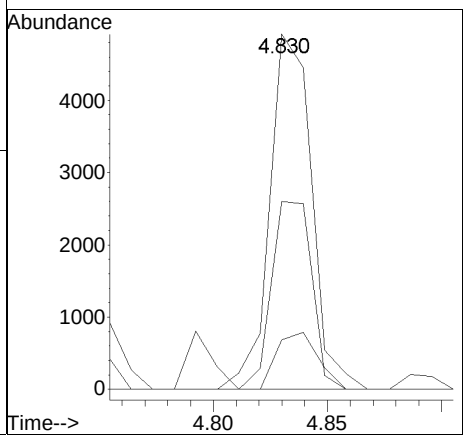


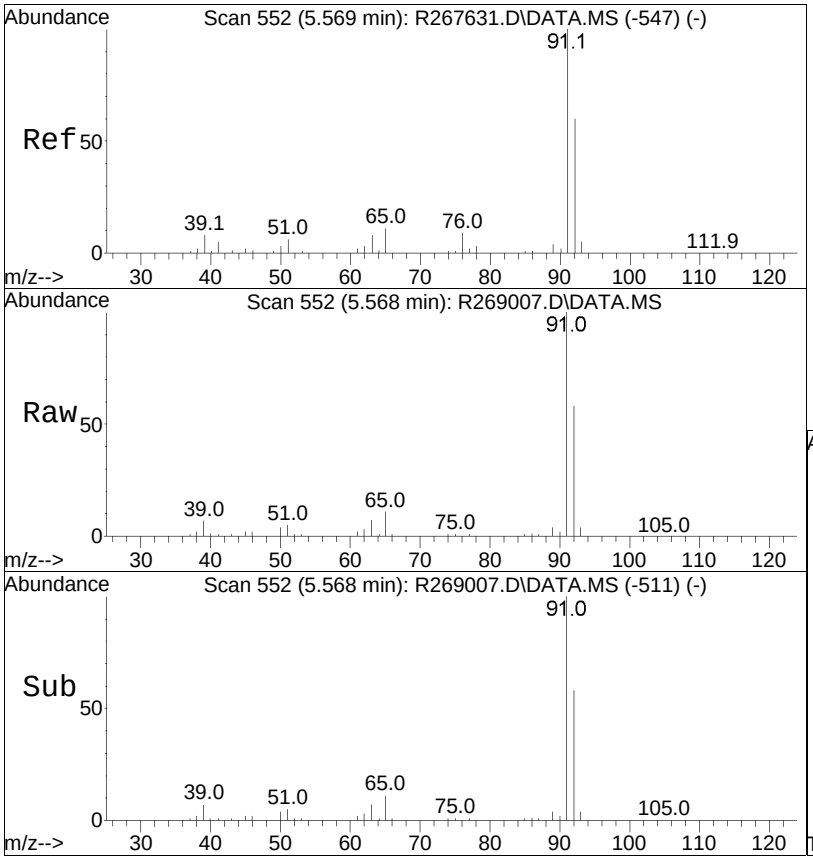


#62
heptane
Concen: 0.31 ppbV
RT: 4.830 min Scan# 464
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 43 Resp: 6295

Ion	Ratio	Lower	Upper
43	100		
57	52.9	47.2	70.8
100	14.0	19.8	29.8#

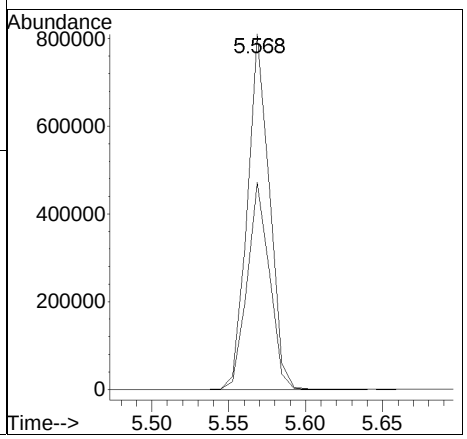


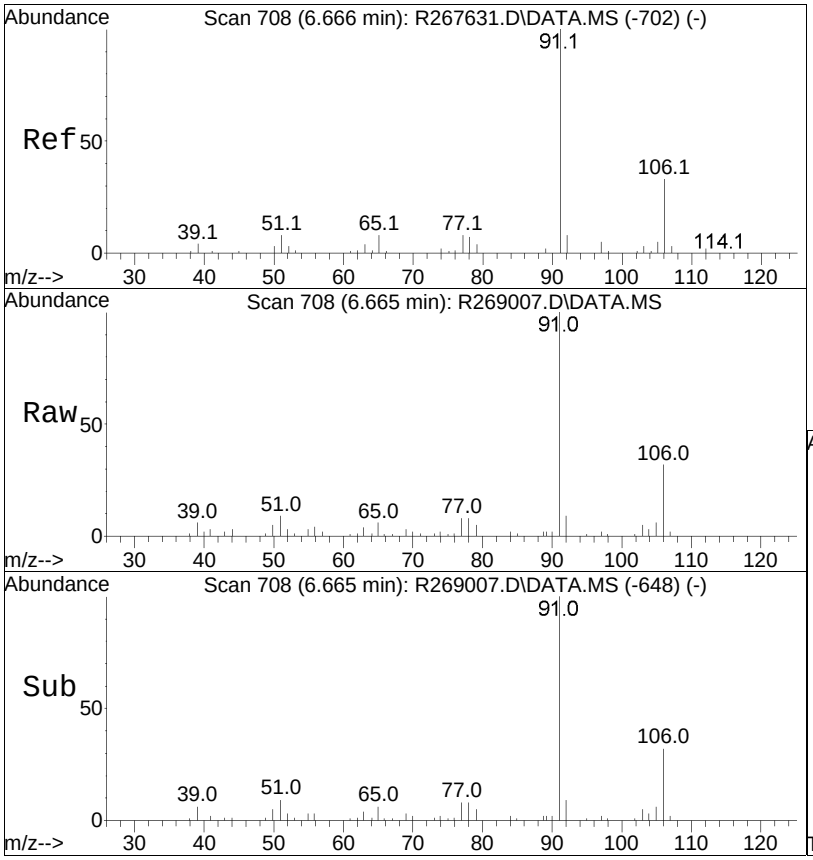


#68
toluene
Concen: 16.15 ppbV
RT: 5.568 min Scan# 552
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 91 Resp: 810558

Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.3	72.5

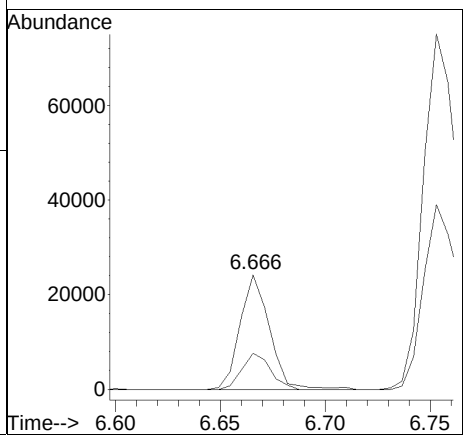


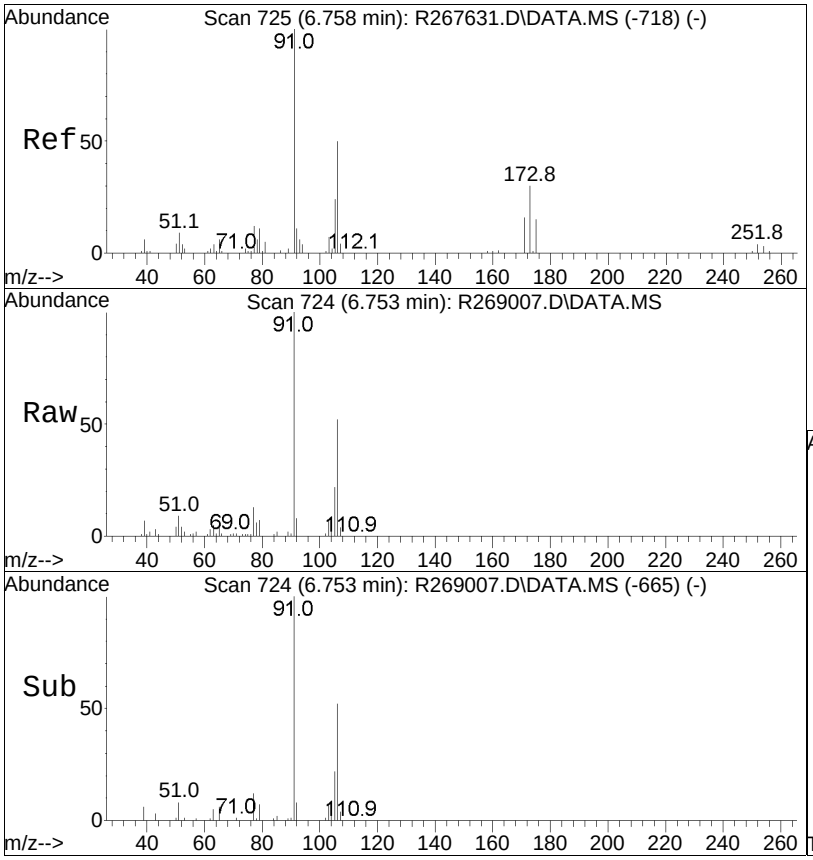


#81
ethylbenzene
Concen: 0.38 ppbV
RT: 6.665 min Scan# 708
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 91 Resp: 23700

Ion	Ratio	Lower	Upper
91	100		
106	31.6	26.3	39.5

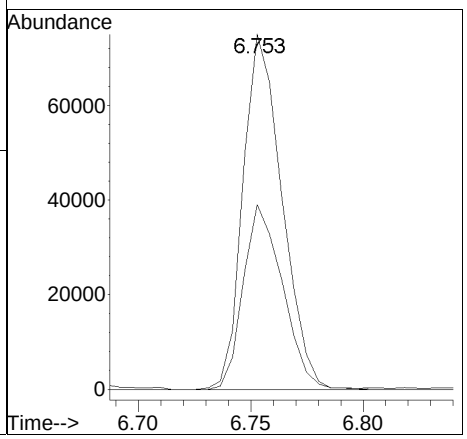


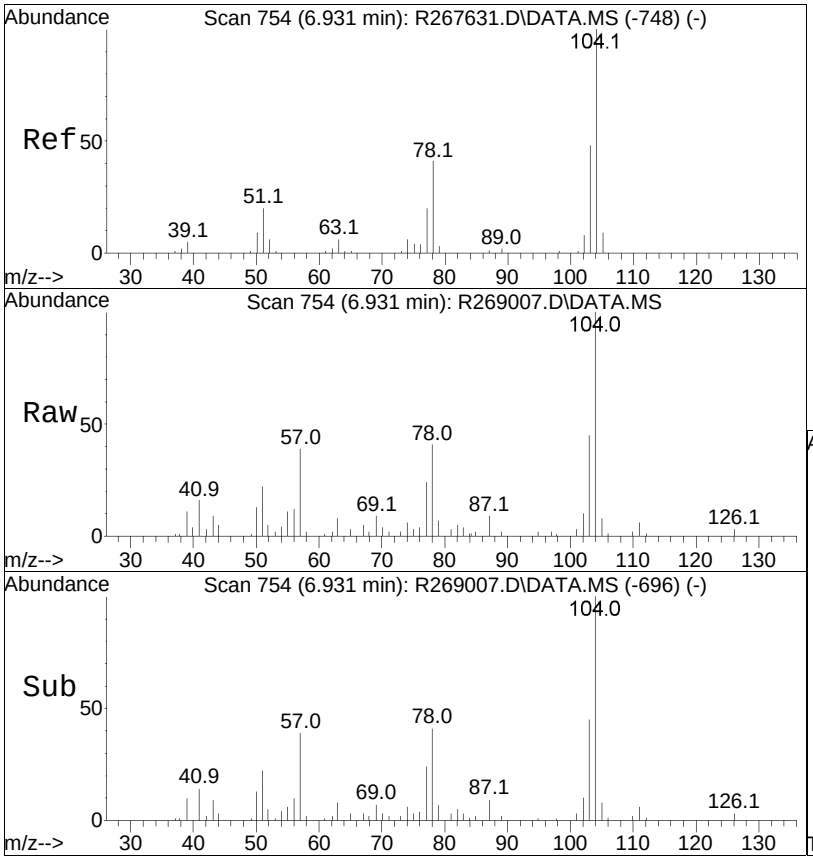


#83
m+p-xylene
Concen: 1.87 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.006 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 91 Resp: 90653

Ion	Ratio	Lower	Upper
91	100		
106	52.0	40.1	60.1

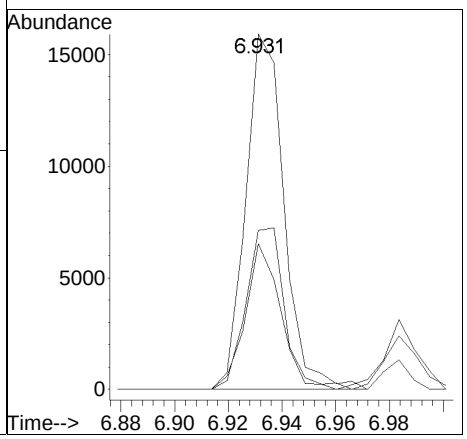


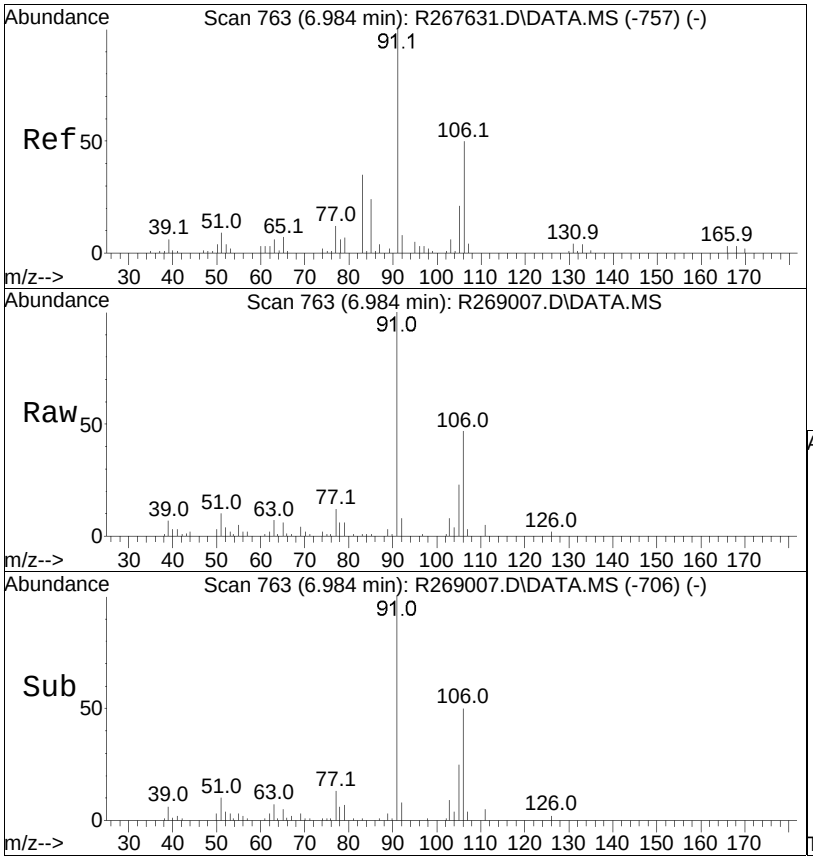


#85
styrene
Concen: 0.42 ppbV
RT: 6.931 min Scan# 754
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:104 Resp: 15808

Ion	Ratio	Lower	Upper
104	100		
103	44.8	38.6	57.8
78	41.0	32.5	48.7

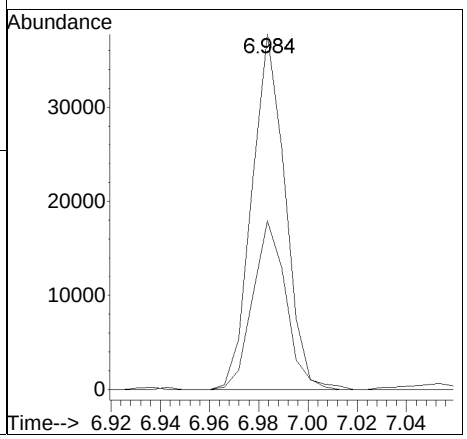


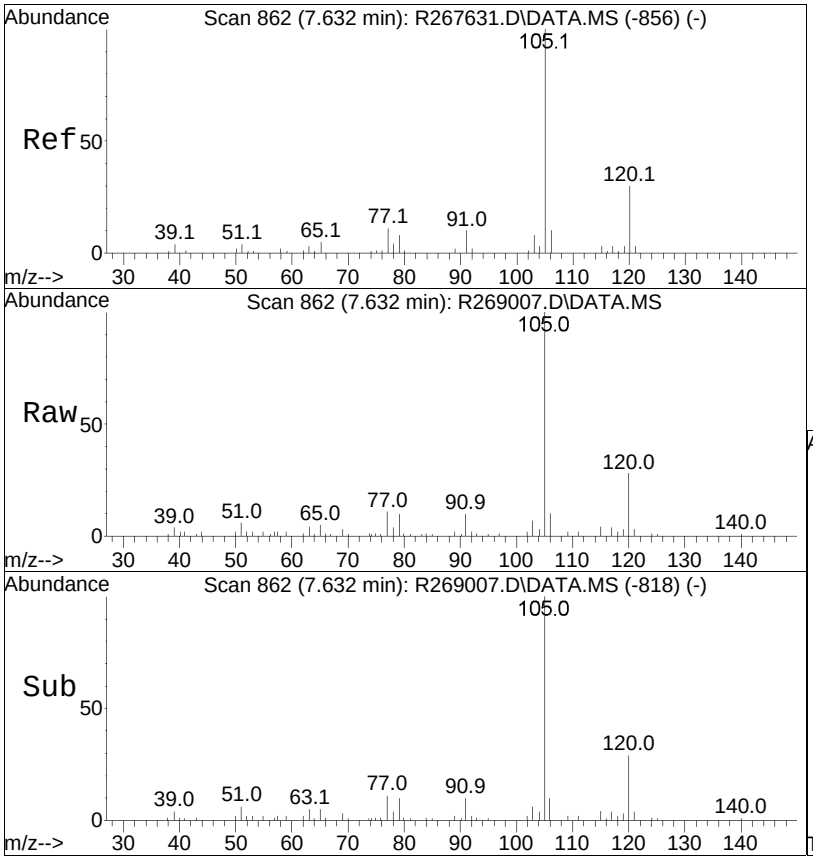


#87
o-xylene
Concen: 0.72 ppbV
RT: 6.984 min Scan# 763
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion: 91 Resp: 35398

Ion	Ratio	Lower	Upper
91	100		
106	47.4	40.2	60.2

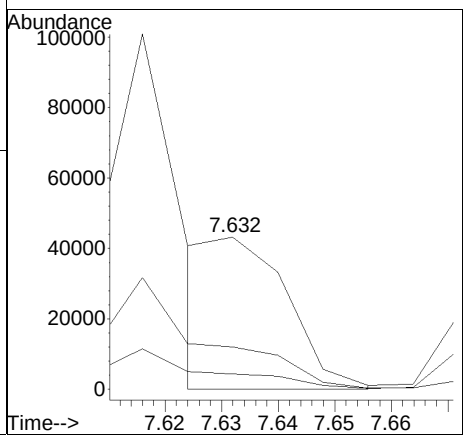


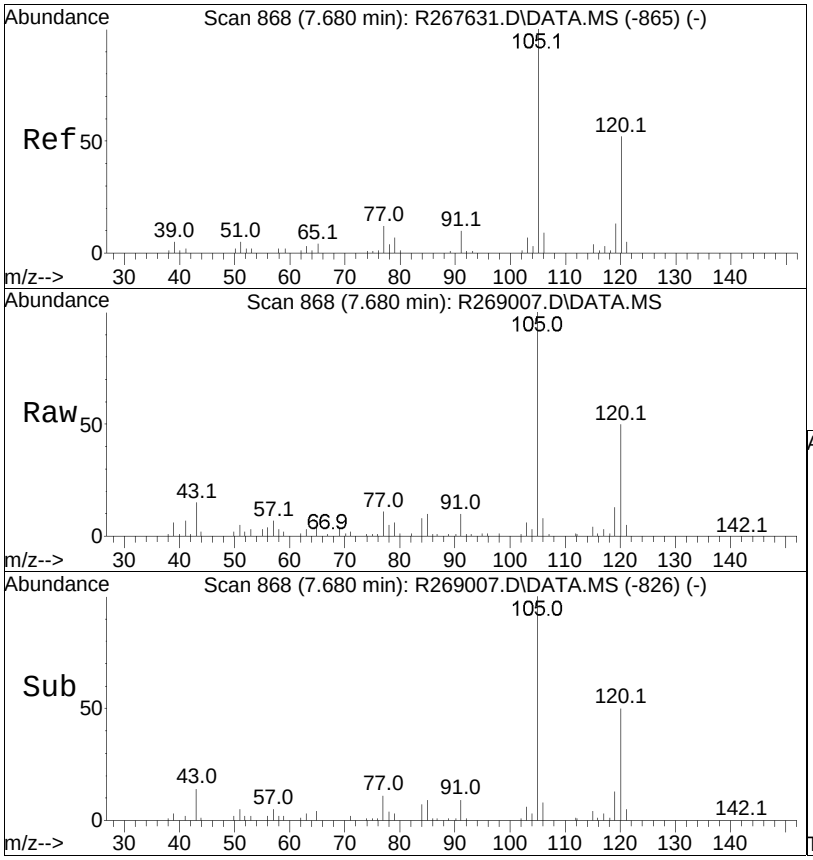


#96
4-ethyl toluene
Concen: 0.61 ppbV m
RT: 7.632 min Scan# 862
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:105 Resp: 39898

Ion	Ratio	Lower	Upper
105	100		
120	27.9	24.3	36.5
91	10.2	8.3	12.5

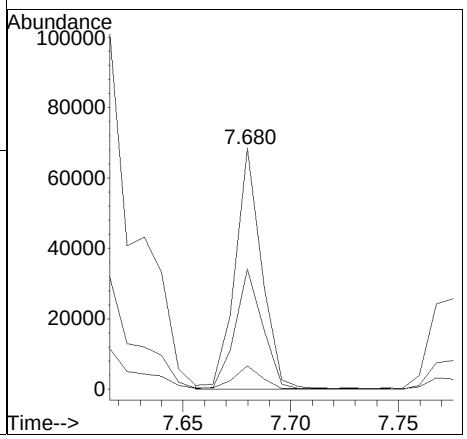


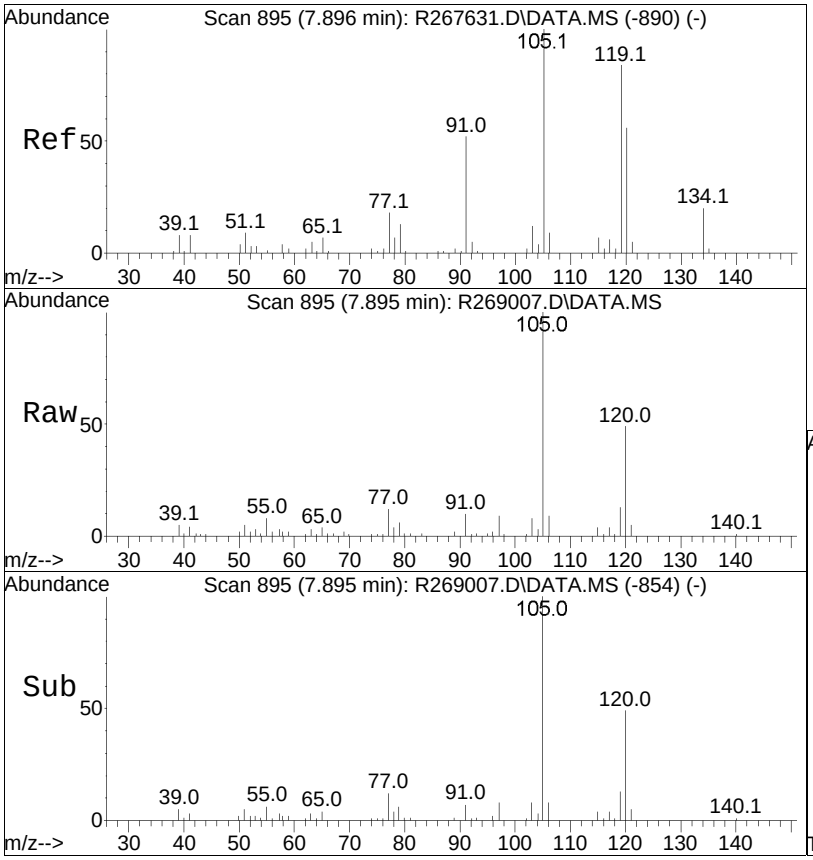


#97
1,3,5-trimethylbenzene
Concen: 1.06 ppbV
RT: 7.680 min Scan# 868
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:105 Resp: 58877

Ion	Ratio	Lower	Upper
105	100		
120	49.9	41.4	62.0
91	9.8	7.7	11.5

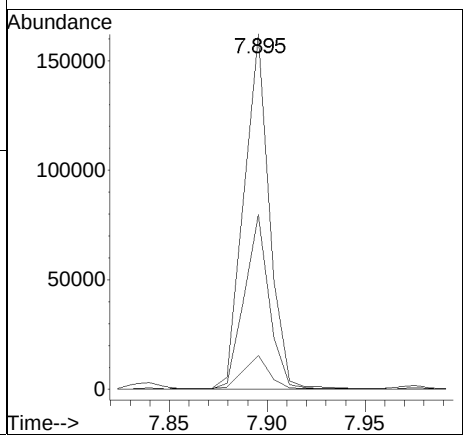


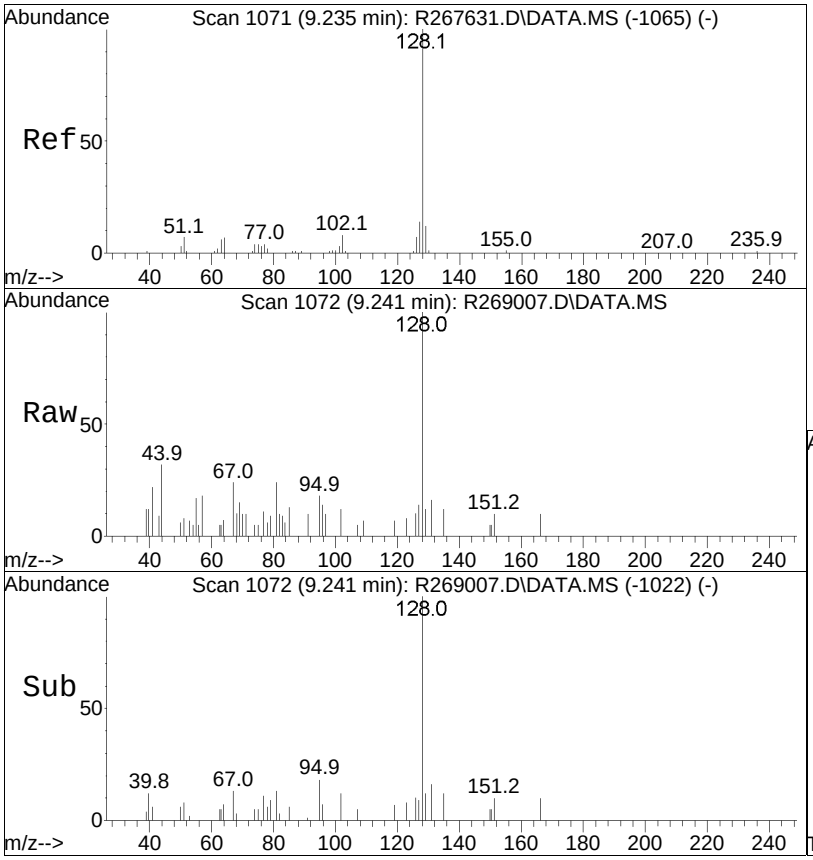


#99
1,2,4-trimethylbenzene
Concen: 2.65 ppbV
RT: 7.895 min Scan# 895
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:105 Resp: 147724

Ion	Ratio	Lower	Upper
105	100		
120	49.2	44.4	66.6
91	9.6	41.9	62.9#

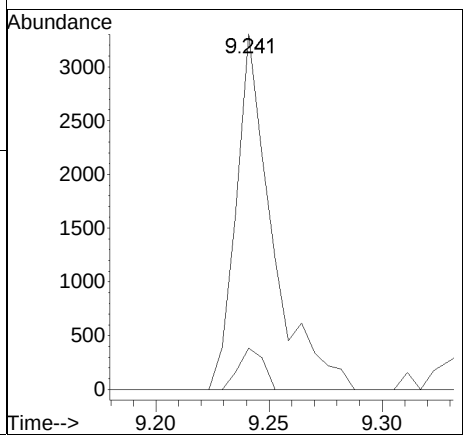




#116
naphthalene
Concen: 0.04 ppbV
RT: 9.241 min Scan# 1072
Delta R.T. 0.006 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:128 Resp: 3696

Ion	Ratio	Lower	Upper
128	100		
102	11.6	6.2	9.2#

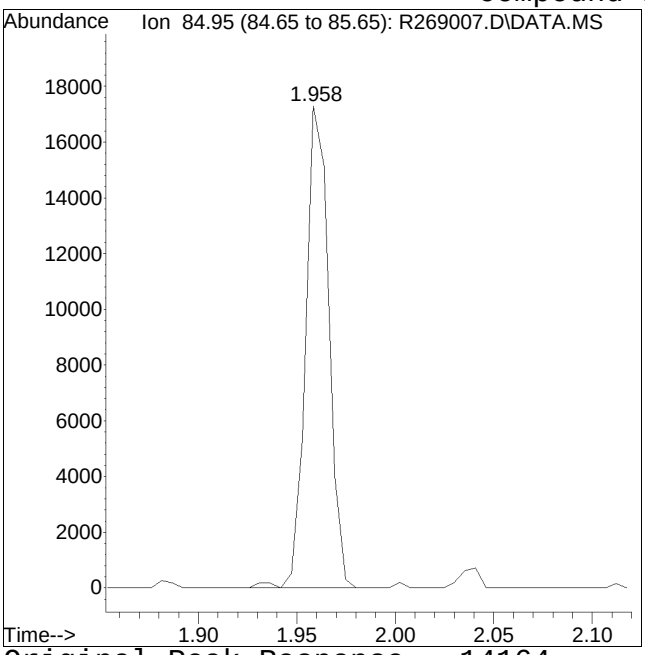


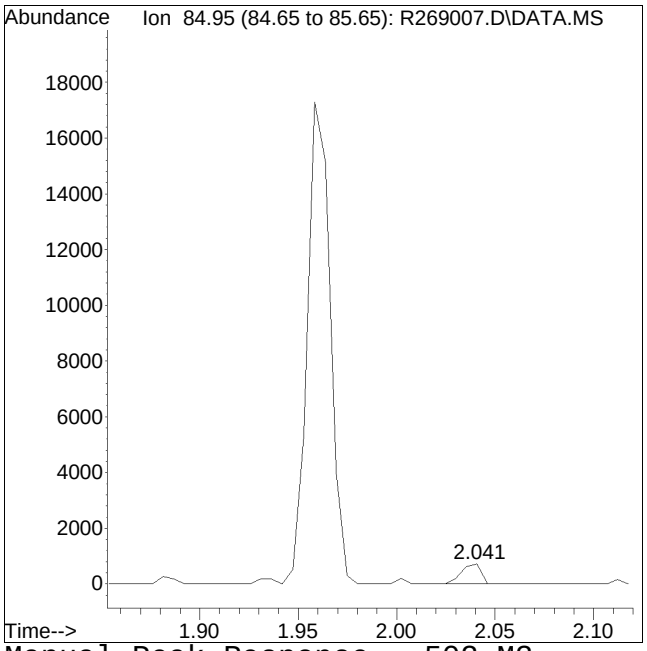
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269007.D
Date Inj'd : 3/11/2026 11:14 pm
Sample : L2612752-06,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:02 am

Compound #7: Freon-114





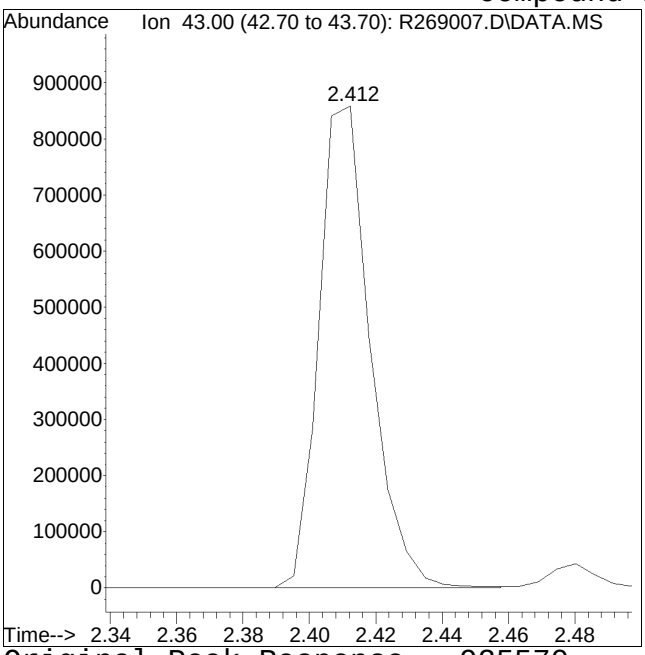
Original Peak Response = 14164 Manual Peak Response = 502 M3

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.

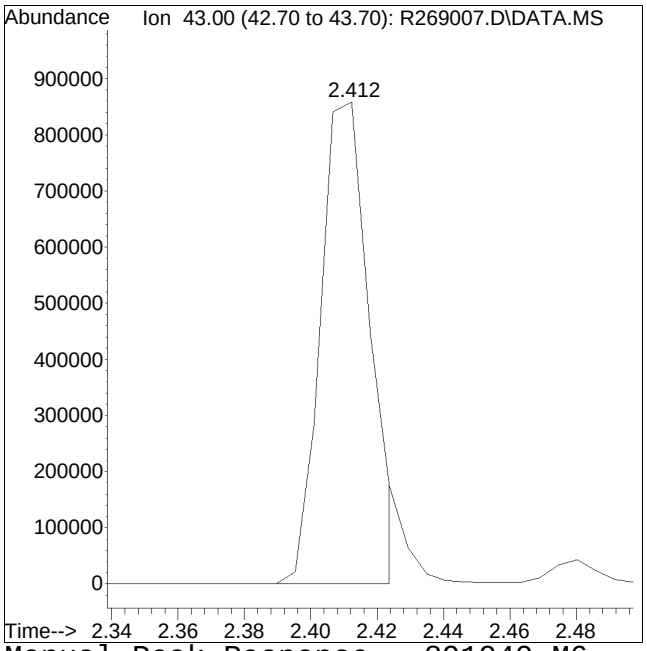
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269007.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 11:14 pm Instrument : Airlab26
Sample : L2612752-06,3,250,250 Quant Date : 3/12/2026 7:02 am

Compound #19: acetone



Original Peak Response = 925570



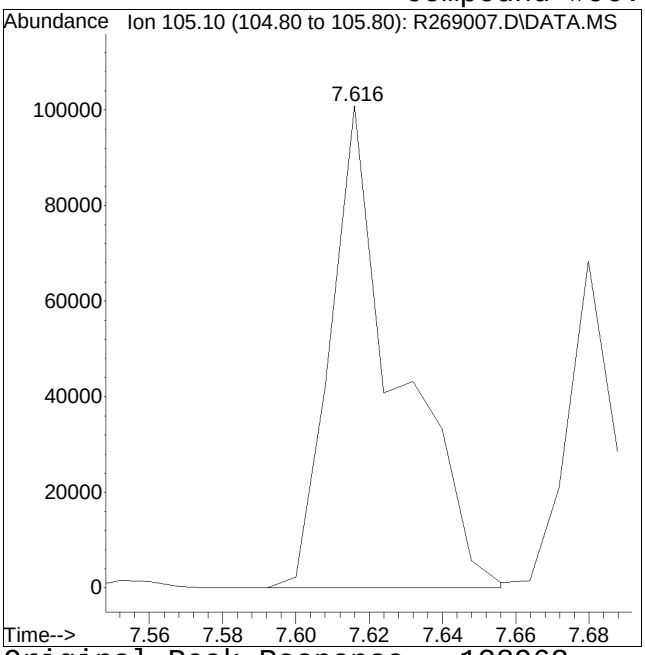
Manual Peak Response = 891940 M6

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

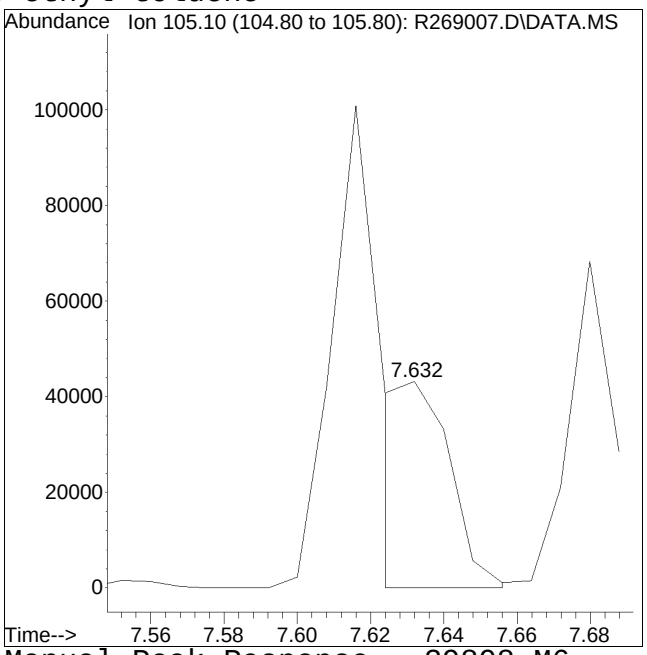
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269007.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 11:14 pm Instrument : Airlab26
Sample : L2612752-06,3,250,250 Quant Date : 3/12/2026 7:02 am

Compound #96: 4-ethyl toluene



Original Peak Response = 128963



Manual Peak Response = 39898 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269014.D
Acq On : 12 Mar 2026 02:57 am
Operator : AIRLAB26:TPH
Sample : L2612752-01,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 07:04:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+Naphthalene - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	166507	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 106.93%			
43) 1,4-difluorobenzene	4.321	114	505412	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 97.12%			
67) chlorobenzene-D5	6.442	54	71700	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 99.62%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.958	85	13898	0.424	ppbV	94
6) chloromethane	2.002	50	4698	0.392	ppbV	92
7) Freon-114	2.030		0	N.D.		
9) vinyl chloride	0.000		0	N.D.	d	
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	0.000		0	N.D.	d	
14) chloroethane	0.000		0	N.D.	d	
15) ethanol	2.266	31	185339	29.745	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.407	43	582921	39.905	ppbV	99
21) trichlorofluoromethane	2.458	101	6450	0.213	ppbV	99
22) isopropyl alcohol	2.480	45	104778	5.771	ppbV	99
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	2.675	49	16237	1.322	ppbV	99
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.766	76	3411	0.097	ppbV #	1
31) Freon 113	2.761	101	1942	0.072	ppbV #	71
32) trans-1,2-dichloroethene	2.978	61	126320	7.436	ppbV	97
33) 1,1-dichloroethane	0.000		0	N.D.	d	
34) MTBE	3.084		0	N.D.		
36) 2-butanone	3.208	43	245227	9.237	ppbV	98
37) cis-1,2-dichloroethene	3.379		0	N.D.		
38) Ethyl Acetate	3.499	61	2114	0.393	ppbV #	7
39) chloroform	3.499	83	7782	0.280	ppbV	92
40) Tetrahydrofuran	3.676	42	69460	6.008	ppbV	99
42) 1,2-dichloroethane	3.814		0	N.D.		
44) hexane	3.484	57	11842	0.574	ppbV #	25

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269014.D
Acq On : 12 Mar 2026 02:57 am
Operator : AIRLAB26:TPH
Sample : L2612752-01,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 07:04:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.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	4.133	78	12026	0.281	ppbV	97
52) carbon tetrachloride	4.208	117	1765	0.072	ppbV #	53
53) cyclohexane	4.265	56	1639	0.084	ppbV #	42
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	4.632		0	N.D.		
58) 1,4-dioxane	0.000		0	N.D.		
59) trichloroethene	4.651	130	1782	0.087	ppbV #	90
60) 2,2,4-trimethylpentane	4.689	57	6549	0.110	ppbV	99
62) heptane	4.830	43	7793	0.389	ppbV	99
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	5.569	91	268704	5.285	ppbV	98
72) 2-hexanone	0.000		0	N.D.	d	
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
78) tetrachloroethene	6.127	166	186677	8.039	ppbV	99
80) chlorobenzene	6.458		0	N.D.		
81) ethylbenzene	6.666	91	13929	0.218	ppbV	95
83) m+p-xylene	6.753	91	48236	0.982	ppbV	100
84) bromoform	0.000		0	N.D.		
85) styrene	6.937	104	6142	0.160	ppbV	99
86) 1,1,2,2-tetrachloroethane	6.890		0	N.D.		
87) o-xylene	6.983	91	17696	0.358	ppbV	99
96) 4-ethyl toluene	7.640	105	12944M5	0.197	ppbV	
97) 1,3,5-trimethylbenzene	7.680	105	29089	0.517	ppbV	97
99) 1,2,4-trimethylbenzene	7.895	105	65483	1.160	ppbV #	64
101) Benzyl Chloride	7.951		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D.	d	
103) 1,4-dichlorobenzene	0.000		0	N.D.	d	
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.241		0	N.D.		
119) hexachlorobutadiene	0.000		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269014.D
Acq On : 12 Mar 2026 02:57 am
Operator : AIRLAB26:TPH
Sample : L2612752-01,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 07:04:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

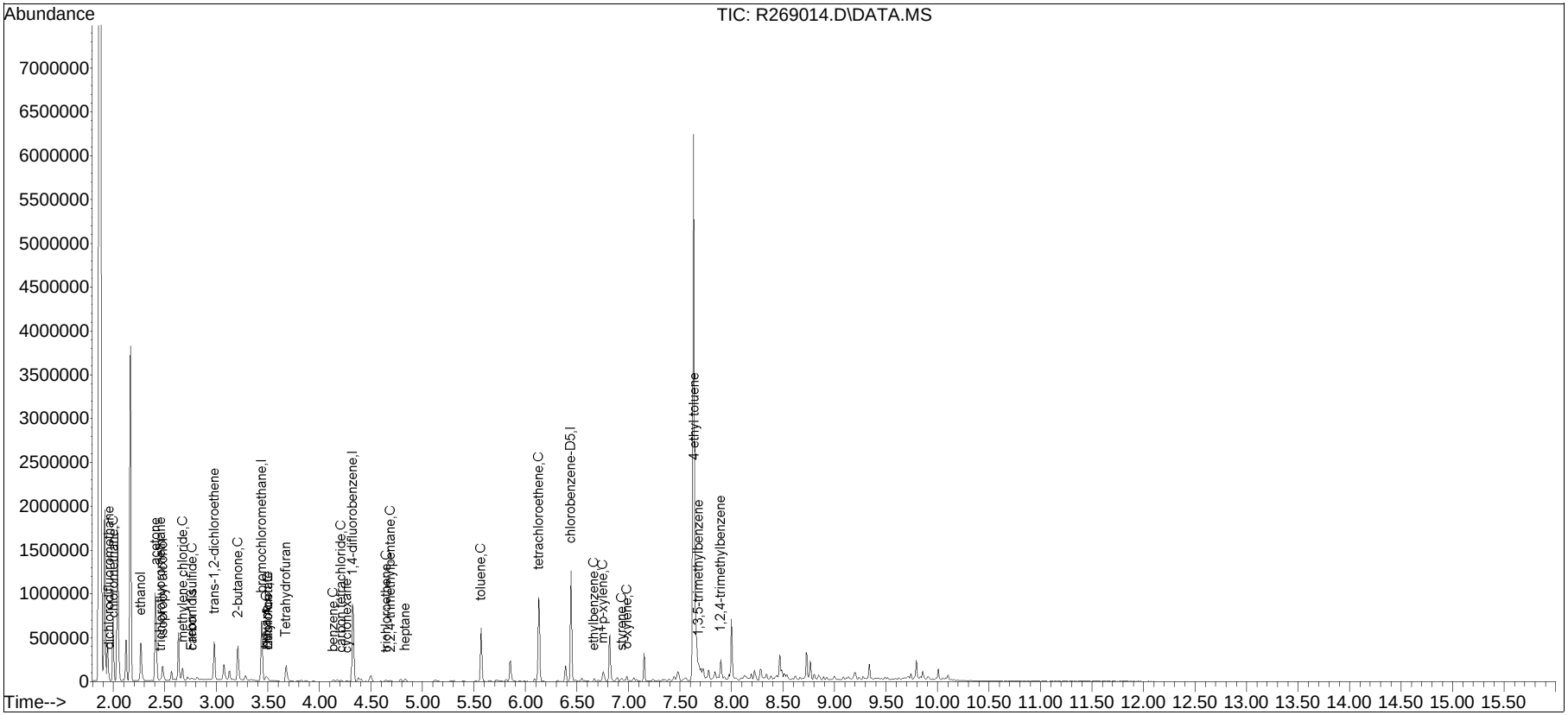
CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+Naphthalene - .

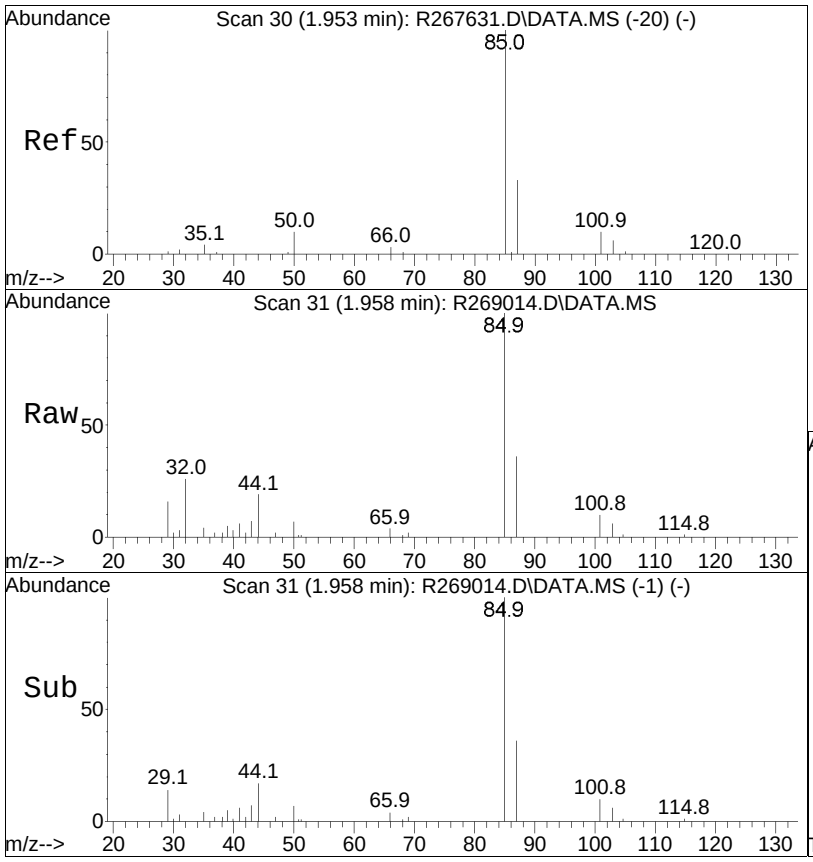
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : TO15-NY+Naphthalene - .\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269014.D
Acq On : 12 Mar 2026 02:57 am
Operator : AIRLAB26:TPH
Sample : L2612752-01,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 12 07:04:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

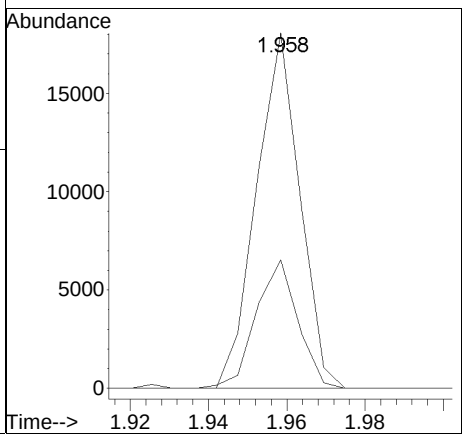


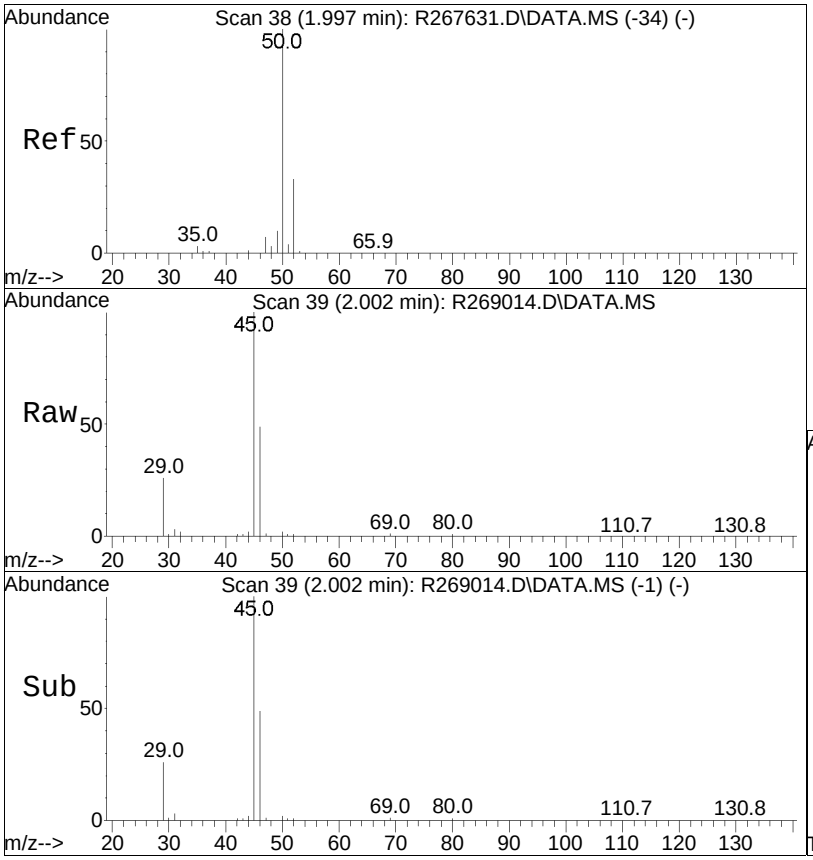


#5
dichlorodifluoromethane
Concen: 0.42 ppbV
RT: 1.958 min Scan# 31
Delta R.T. 0.005 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 85 Resp: 13898

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.2	39.2

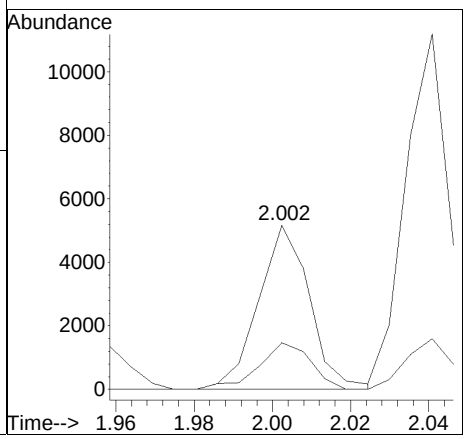


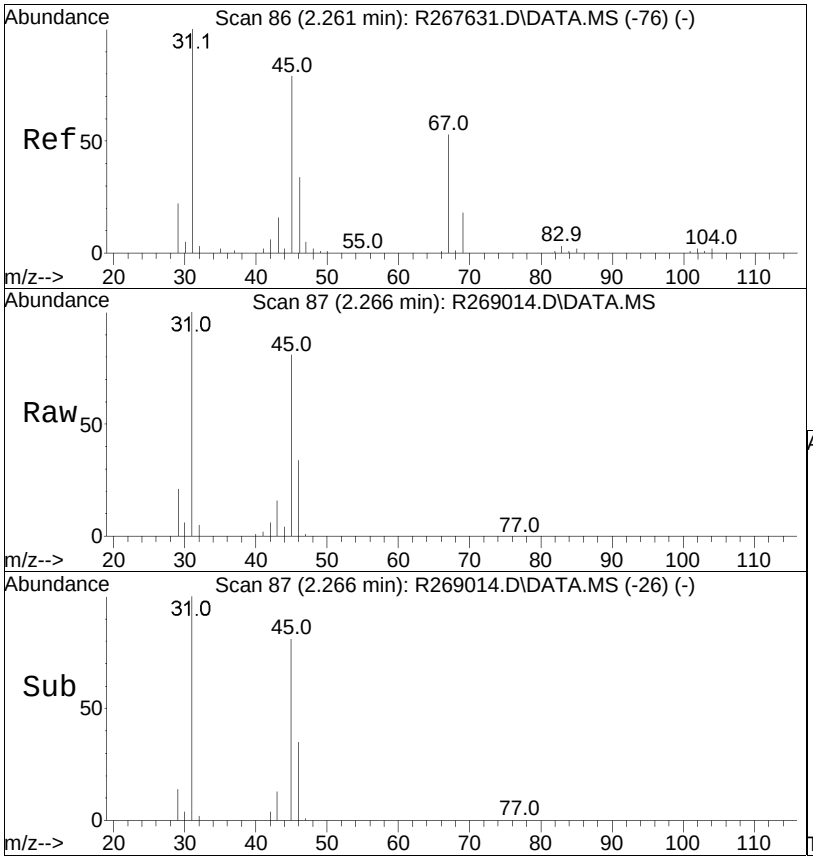


#6
chloromethane
Concen: 0.39 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 50 Resp: 4698

Ion	Ratio	Lower	Upper
50	100		
52	28.5	26.2	39.4

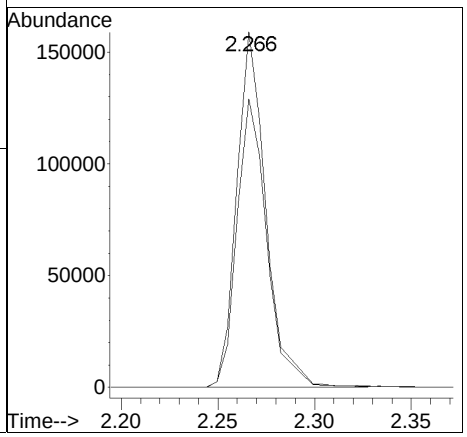


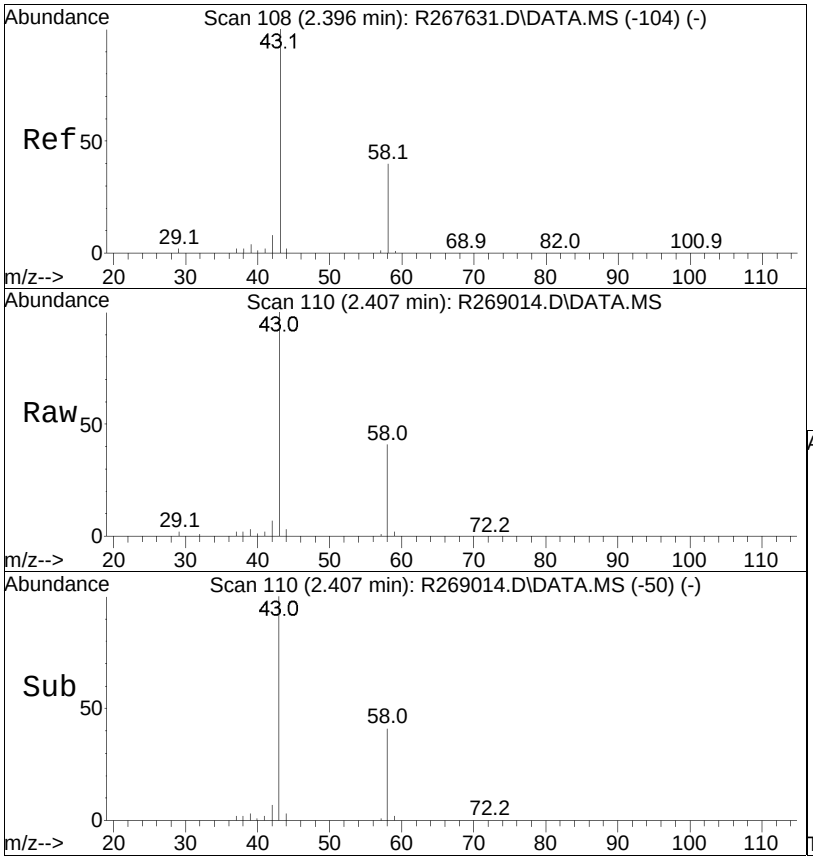


#15
ethanol
Concen: 29.75 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.005 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 31 Resp: 185339

Ion	Ratio	Lower	Upper
31	100		
45	81.1	63.4	95.0

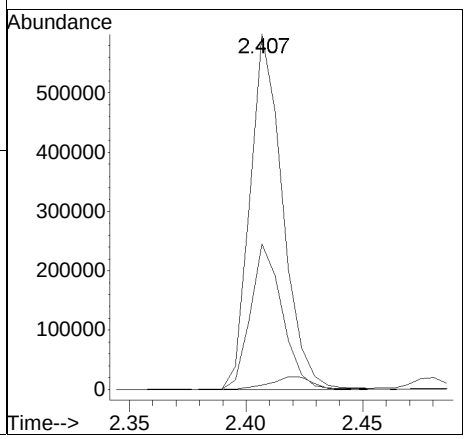


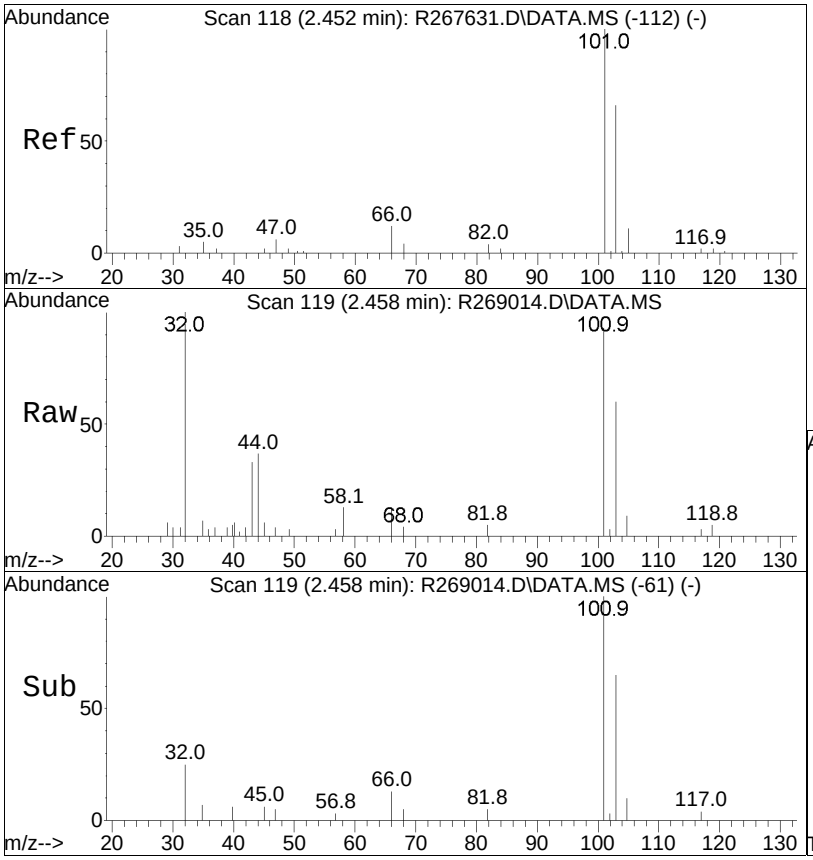


#19
acetone
Concen: 39.91 ppbV
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 43 Resp: 582921

Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.2	48.2
57	1.2	1.0	1.4

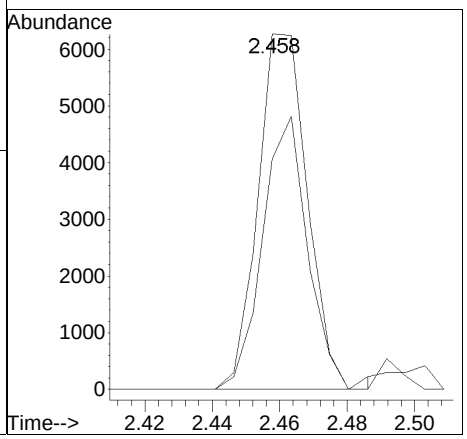


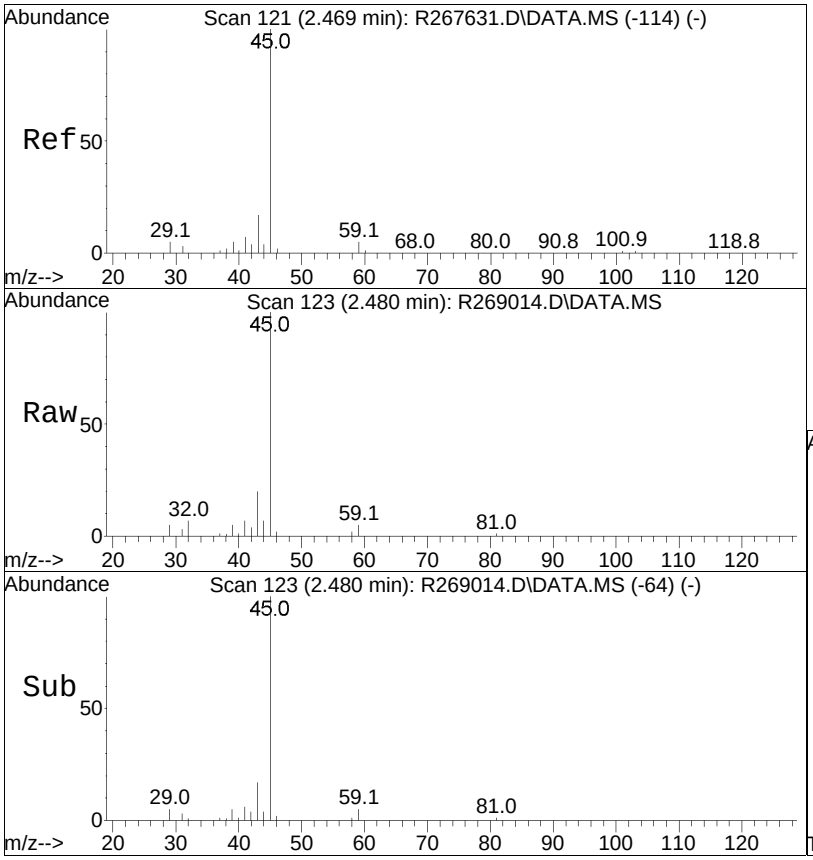


#21
trichlorofluoromethane
Concen: 0.21 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.006 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:101 Resp: 6450

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.6	78.8

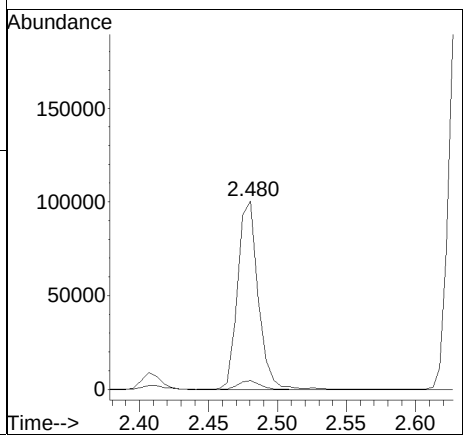


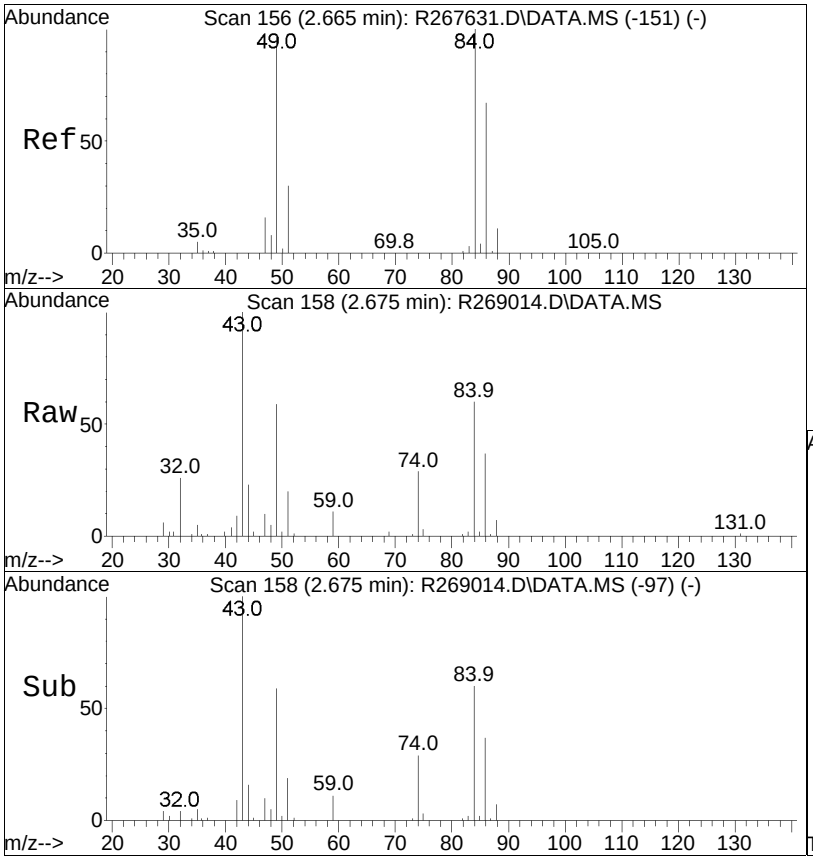


#22
isopropyl alcohol
Concen: 5.77 ppbV
RT: 2.480 min Scan# 123
Delta R.T. 0.011 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 45 Resp: 104778

Ion	Ratio	Lower	Upper
45	100		
59	4.7	4.0	6.0

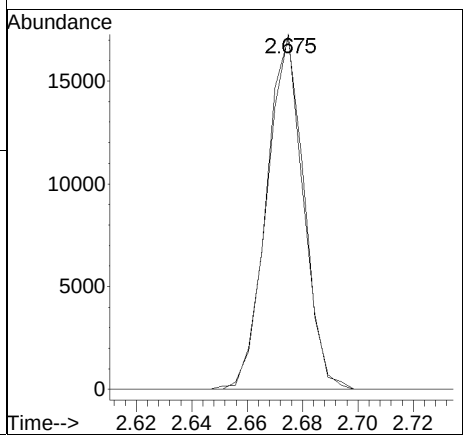


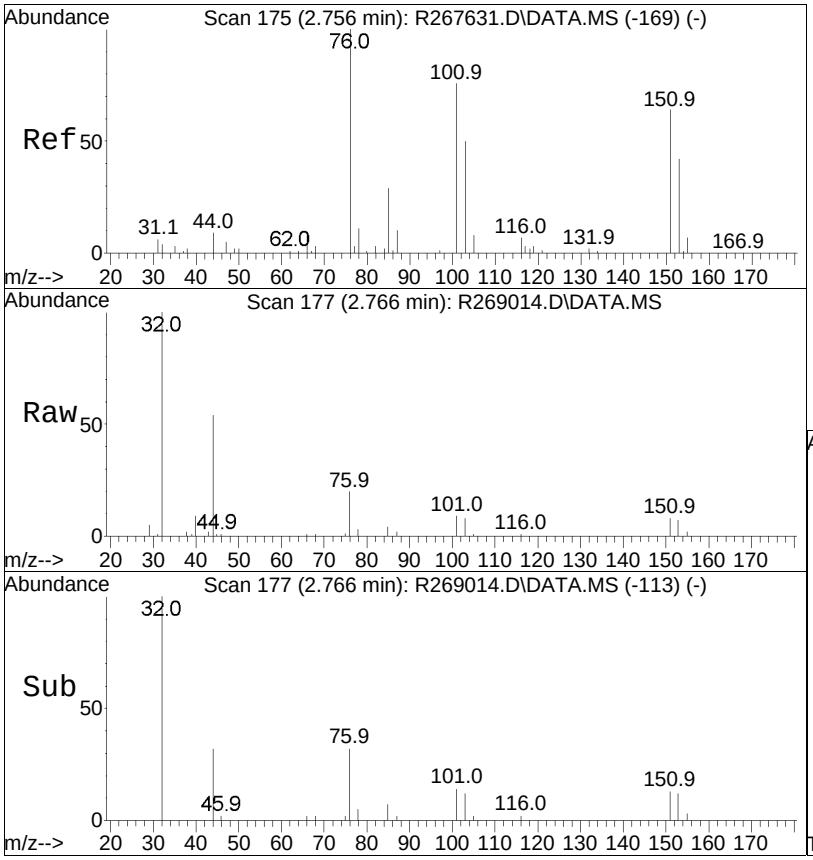


#28
methylene chloride
Concen: 1.32 ppbV
RT: 2.675 min Scan# 158
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 49 Resp: 16237

Ion	Ratio	Lower	Upper
49	100		
84	101.0	82.0	123.0

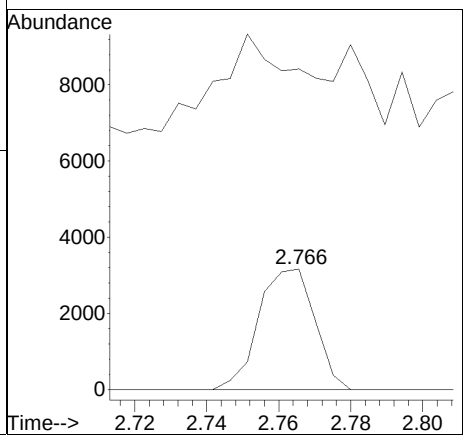


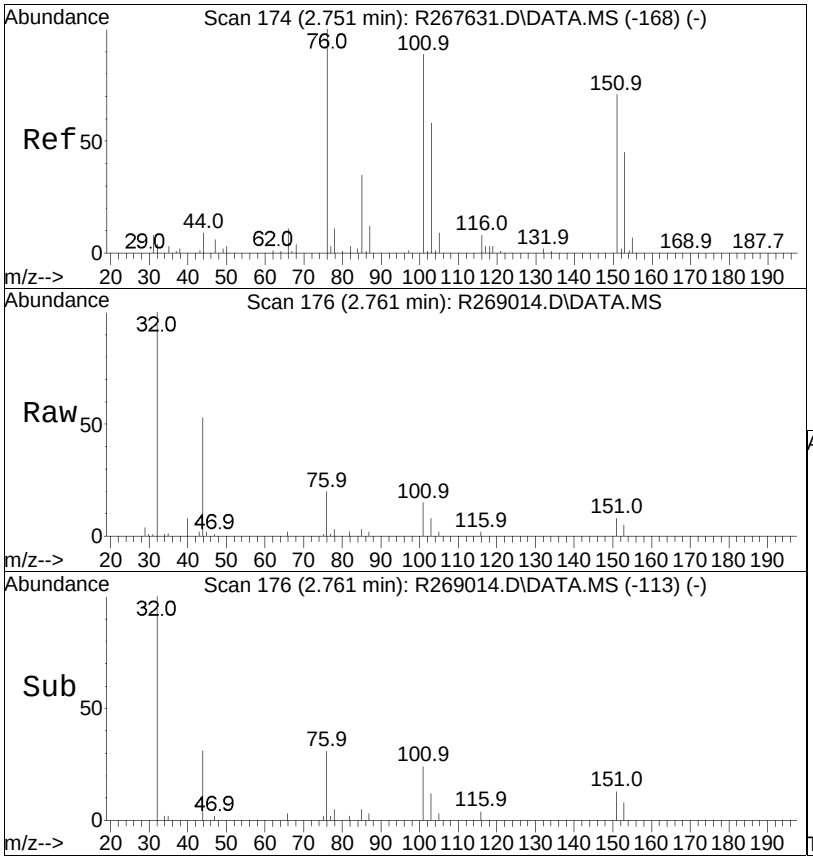


#30
carbon disulfide
Concen: 0.10 ppbV
RT: 2.766 min Scan# 177
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 76 Resp: 3411

Ion	Ratio	Lower	Upper
76	100		
44	266.2	8.6	13.0#

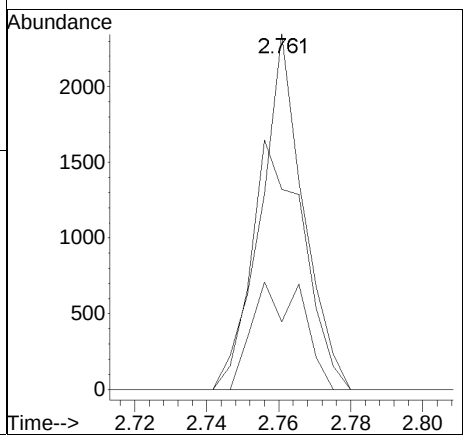


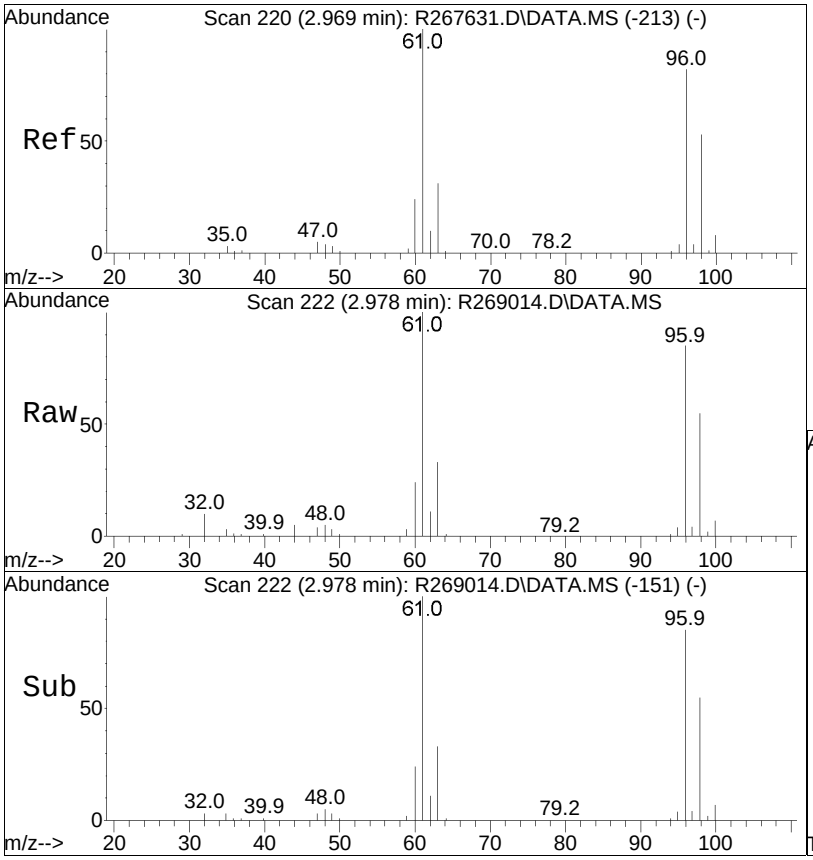


#31
Freon 113
Concen: 0.07 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:101 Resp: 1942

Ion	Ratio	Lower	Upper
101	100		
85	19.0	32.0	48.0#
151	56.3	64.0	96.0#

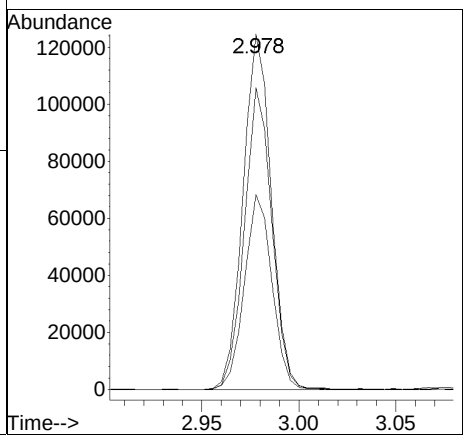


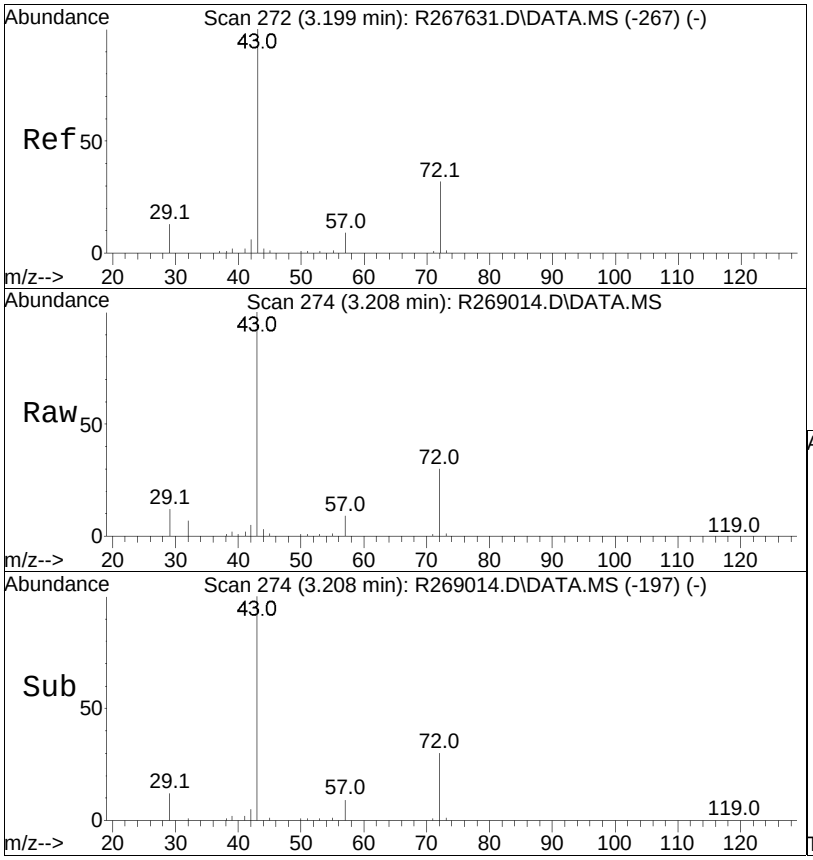


#32
trans-1,2-dichloroethene
Concen: 7.44 ppbV
RT: 2.978 min Scan# 222
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 61 Resp: 126320

Ion	Ratio	Lower	Upper
61	100		
96	84.9	65.8	98.6
98	54.8	42.4	63.6

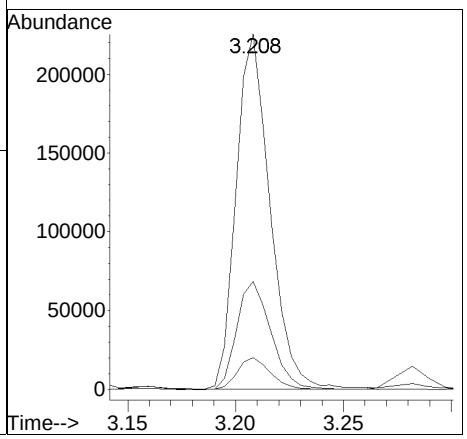


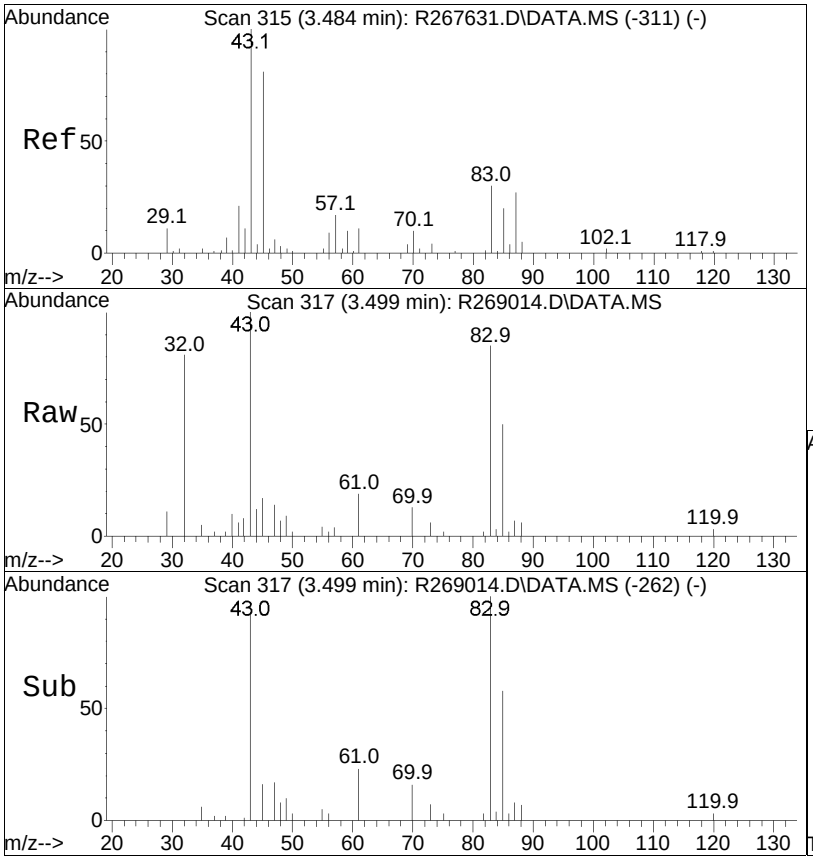


#36
2-butanone
Concen: 9.24 ppbV
RT: 3.208 min Scan# 274
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 43 Resp: 245227

Ion	Ratio	Lower	Upper
43	100		
72	30.4	25.1	37.7
57	9.0	7.4	11.2

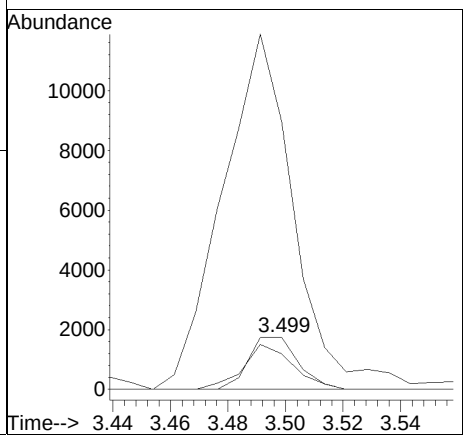


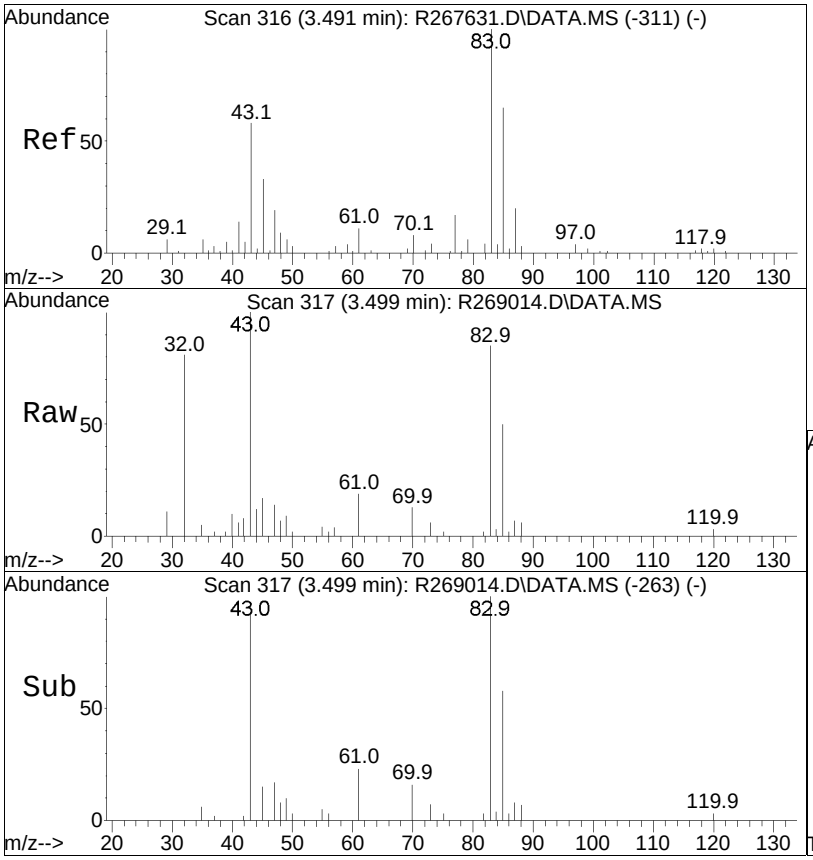


#38
Ethyl Acetate
Concen: 0.39 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.015 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 61 Resp: 2114

Ion	Ratio	Lower	Upper
61	100		
70	68.4	73.9	110.9#
43	512.9	752.6	1128.8#

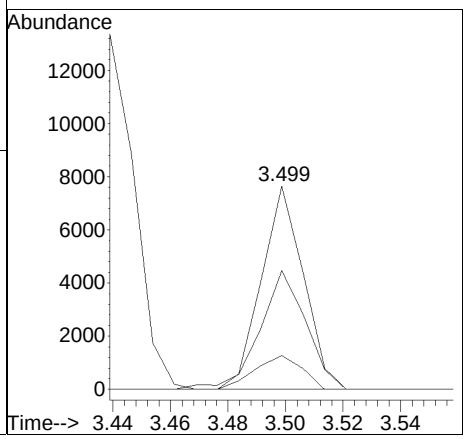


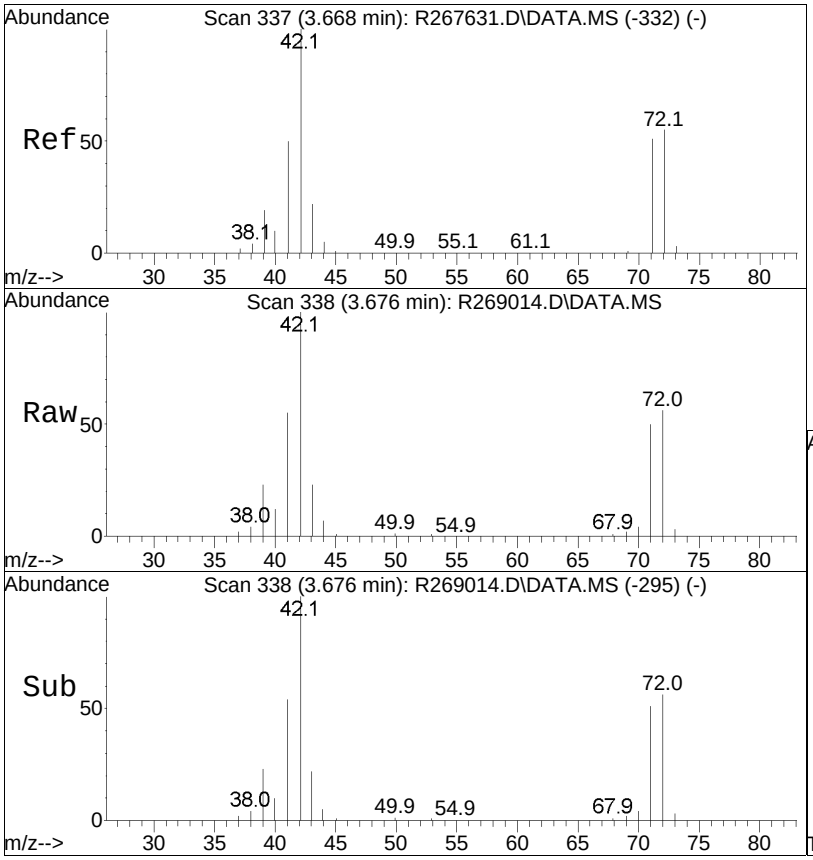


#39
chloroform
Concen: 0.28 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.007 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 83 Resp: 7782

Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.9	77.9
47	16.7	15.4	23.2

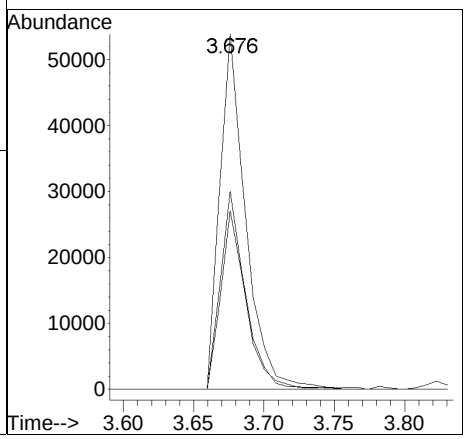


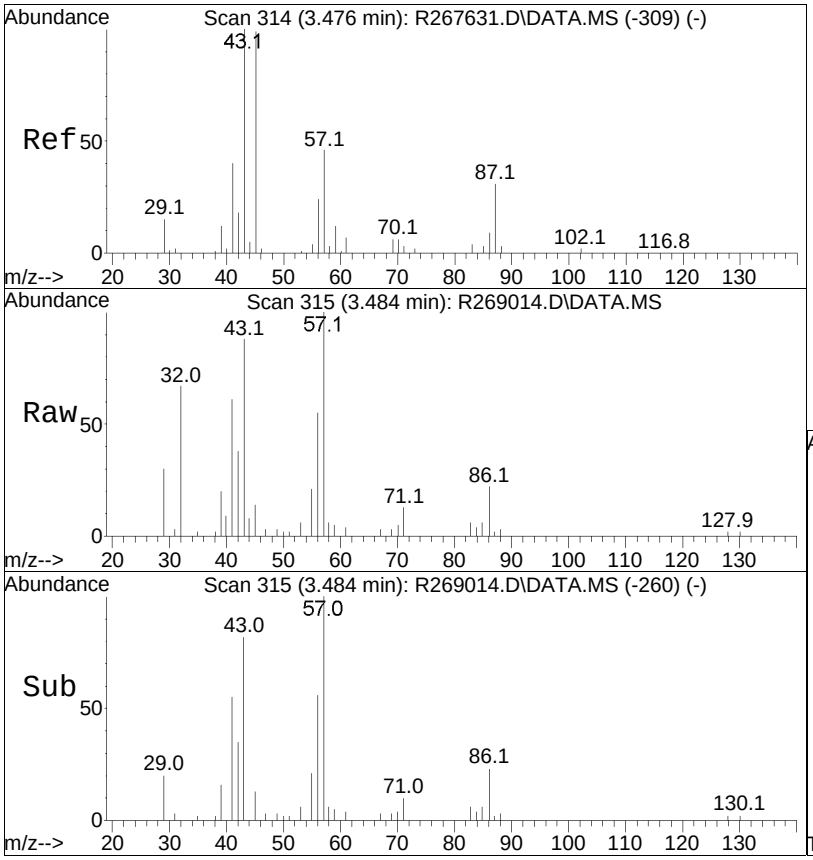


#40
Tetrahydrofuran
Concen: 6.01 ppbV
RT: 3.676 min Scan# 338
Delta R.T. 0.008 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 42 Resp: 69460

Ion	Ratio	Lower	Upper
42	100		
71	50.3	41.0	61.6
72	55.8	44.2	66.2

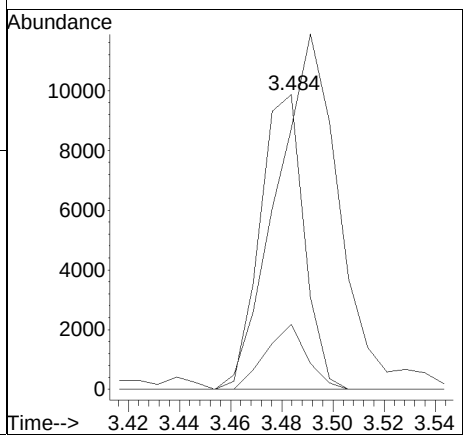


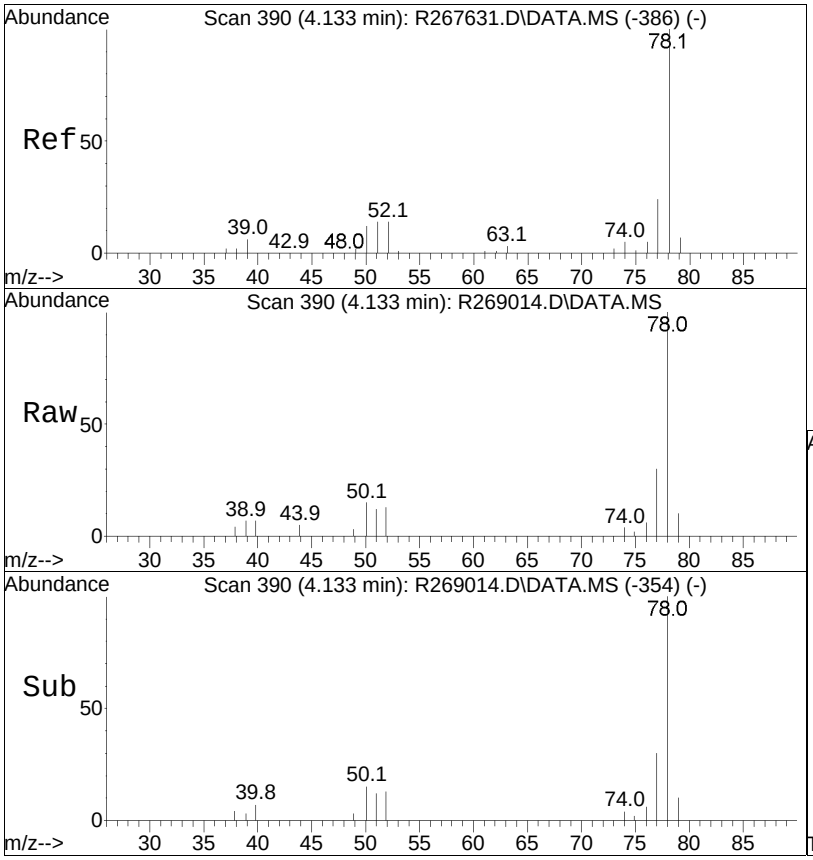


#44
hexane
Concen: 0.57 ppbV
RT: 3.484 min Scan# 315
Delta R.T. 0.007 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 57 Resp: 11842

Ion	Ratio	Lower	Upper
57	100		
43	88.4	175.4	263.0#
86	22.1	16.1	24.1

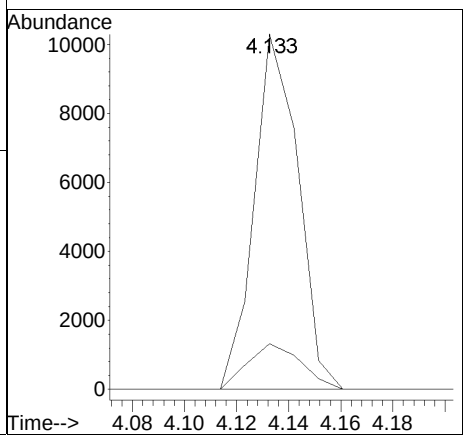


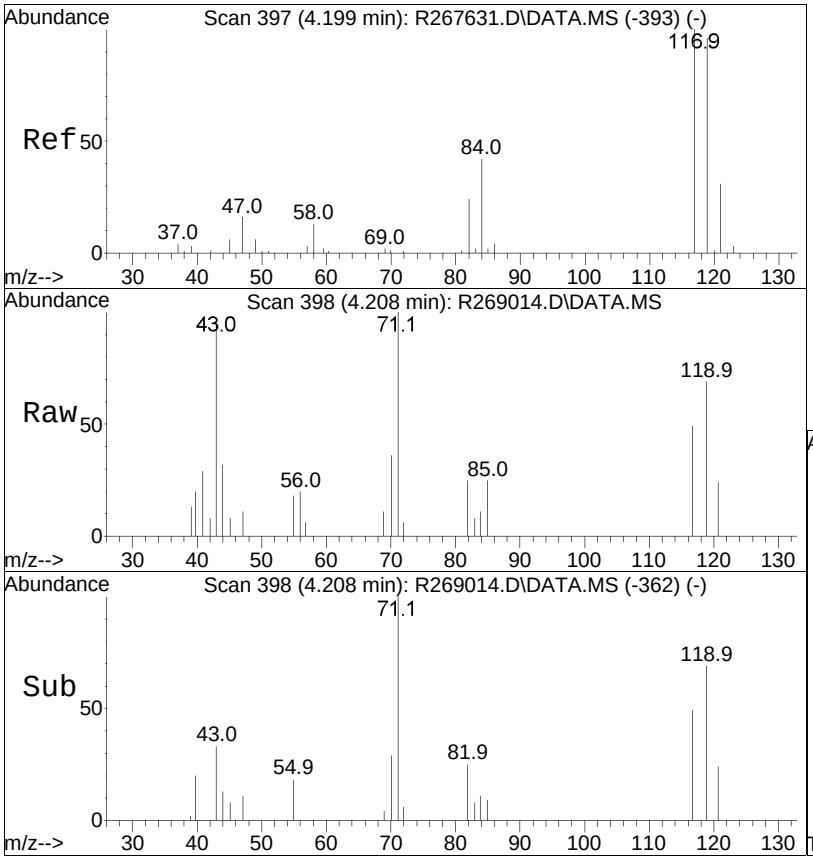


#50
benzene
Concen: 0.28 ppbV
RT: 4.133 min Scan# 390
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 78 Resp: 12026

Ion	Ratio	Lower	Upper
78	100		
52	12.9	11.3	16.9

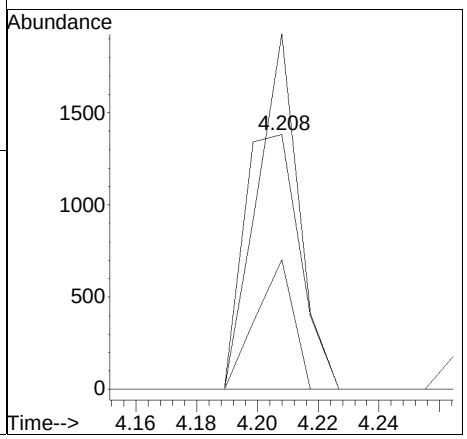


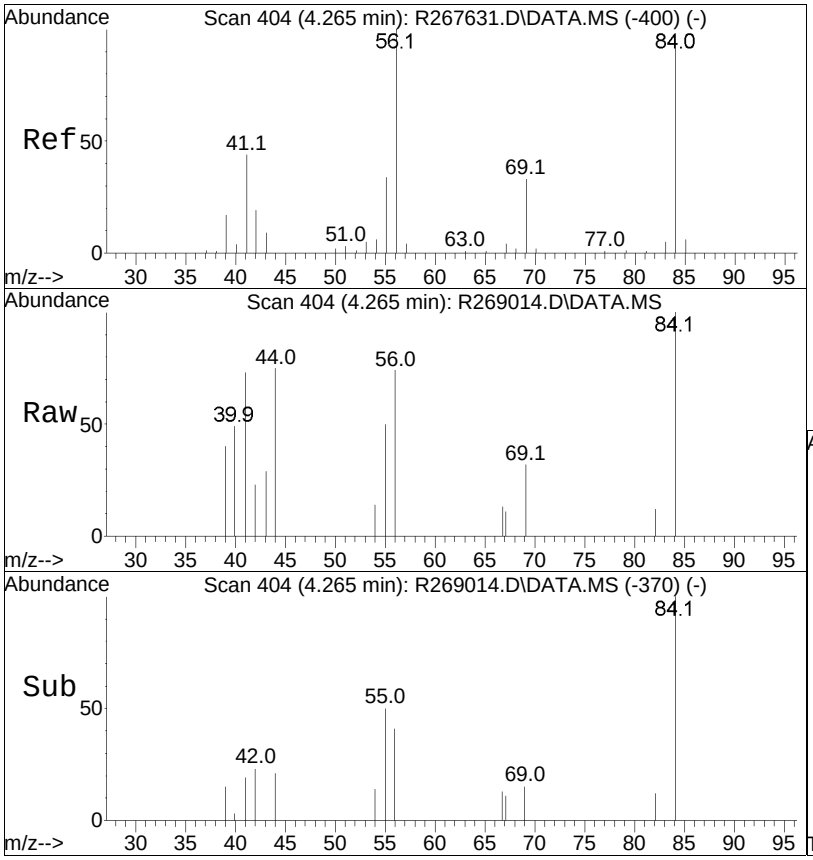


#52
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.208 min Scan# 398
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:117 Resp: 1765

Ion	Ratio	Lower	Upper
117	100		
119	139.4	76.5	114.7#
82	50.9	19.2	28.8#

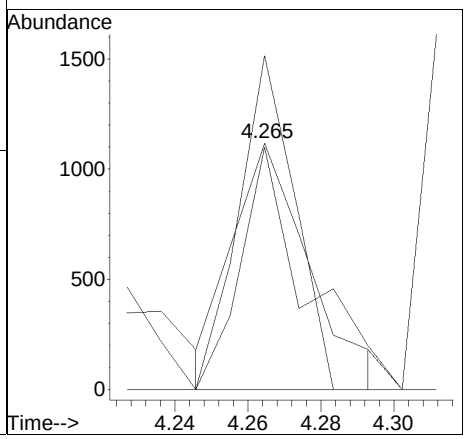


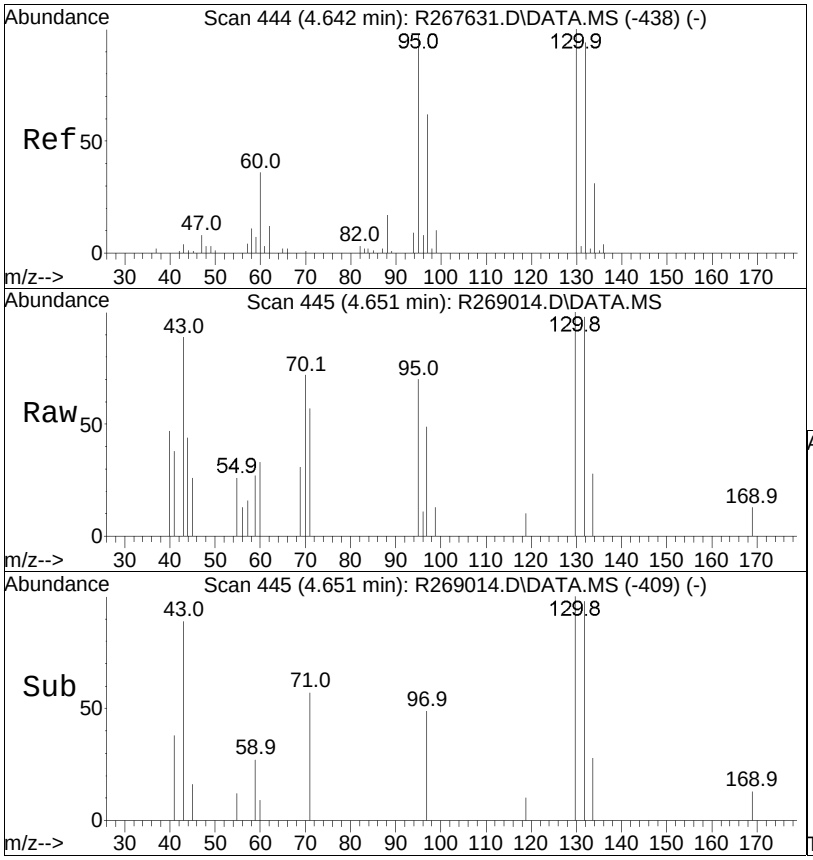


#53
cyclohexane
Concen: 0.08 ppbV
RT: 4.265 min Scan# 404
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 56 Resp: 1639

Ion	Ratio	Lower	Upper
56	100		
84	135.5	73.7	110.5#
41	98.4	35.0	52.4#

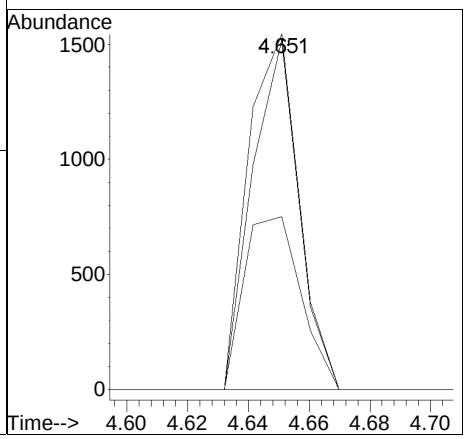


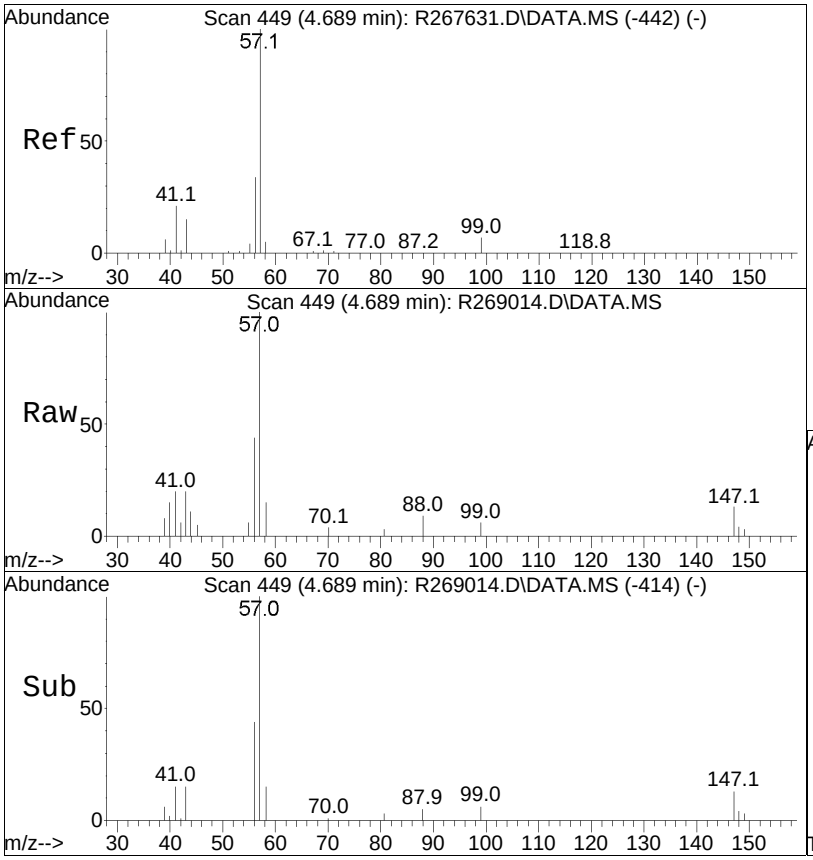


#59
trichloroethene
Concen: 0.09 ppbV
RT: 4.651 min Scan# 445
Delta R.T. 0.009 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:130 Resp: 1782

Ion	Ratio	Lower	Upper
130	100		
132	98.4	75.4	113.0
97	48.6	49.8	74.6#

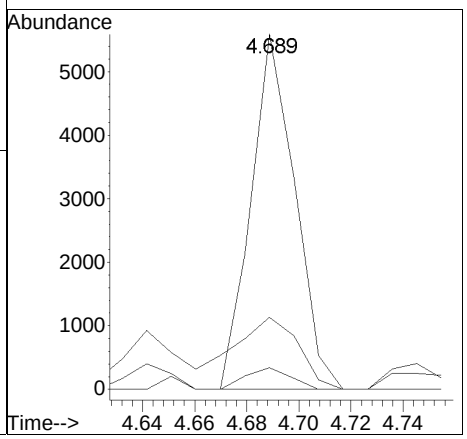


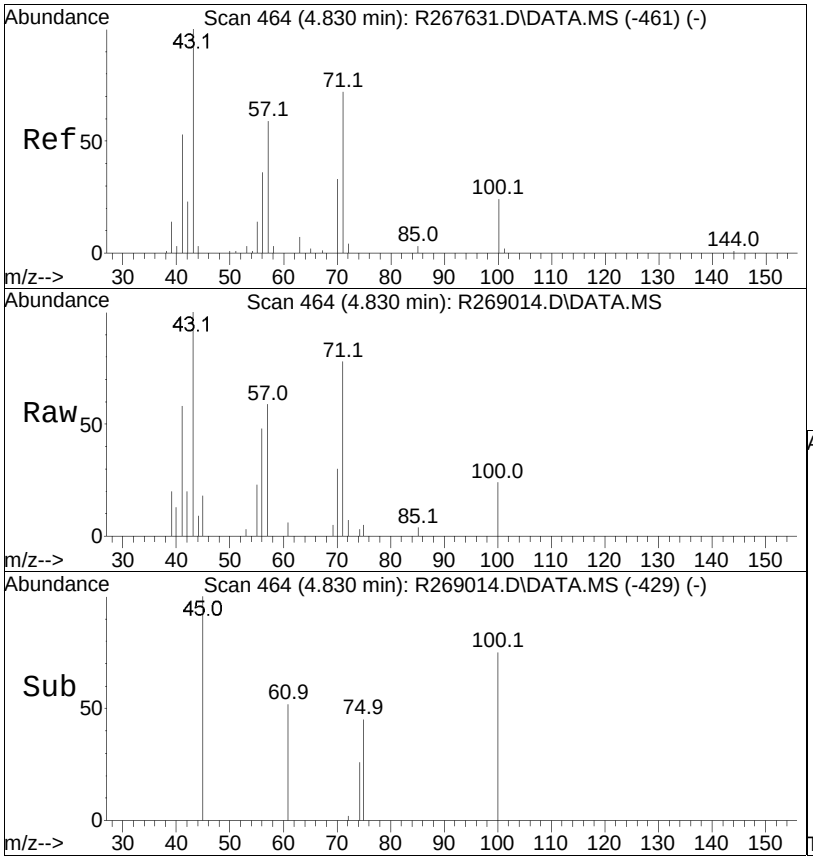


#60
2,2,4-trimethylpentane
Concen: 0.11 ppbV
RT: 4.689 min Scan# 449
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 57 Resp: 6549

Ion	Ratio	Lower	Upper
57	100		
99	6.1	5.4	8.2
41	20.3	16.7	25.1

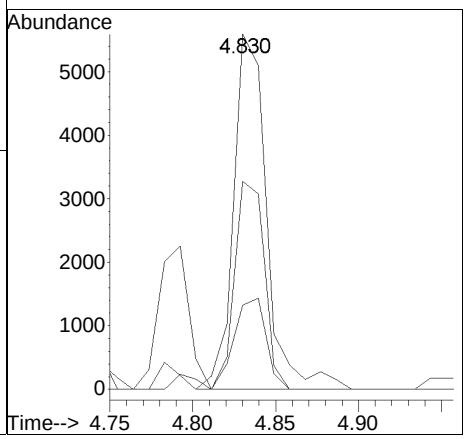


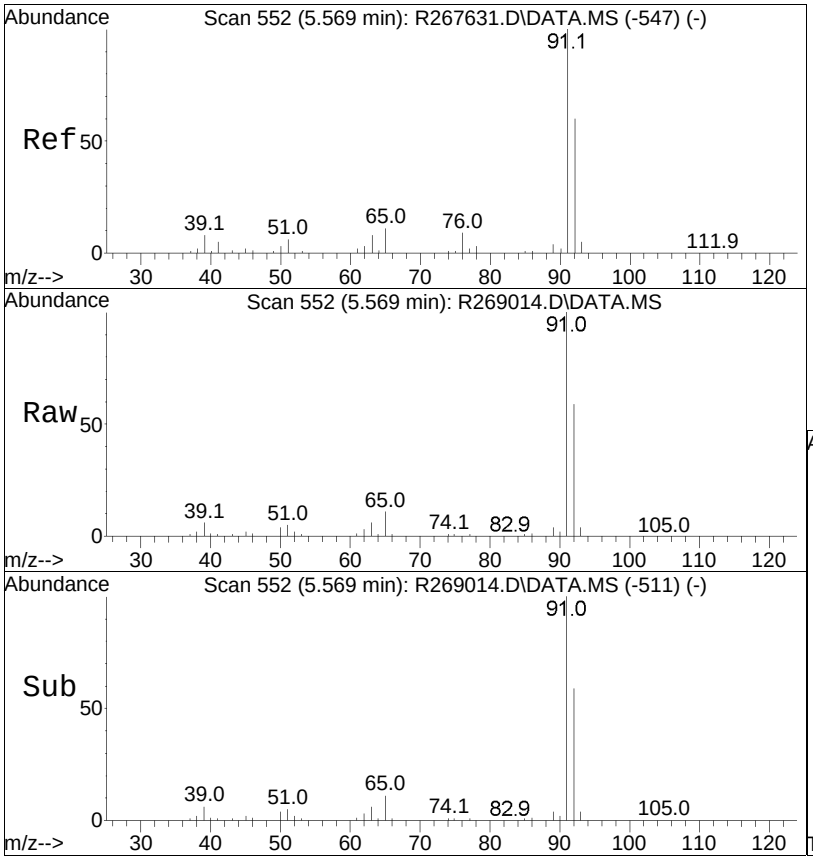


#62
heptane
Concen: 0.39 ppbV
RT: 4.830 min Scan# 464
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 43 Resp: 7793

Ion	Ratio	Lower	Upper
43	100		
57	58.5	47.2	70.8
100	23.7	19.8	29.8

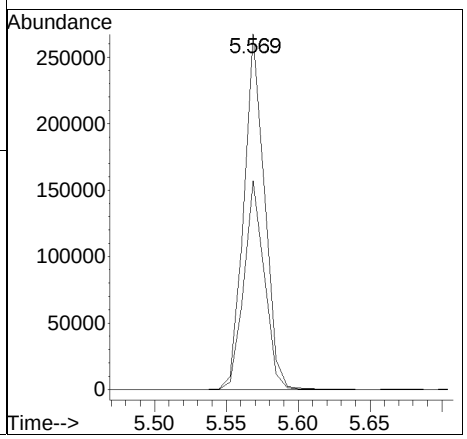


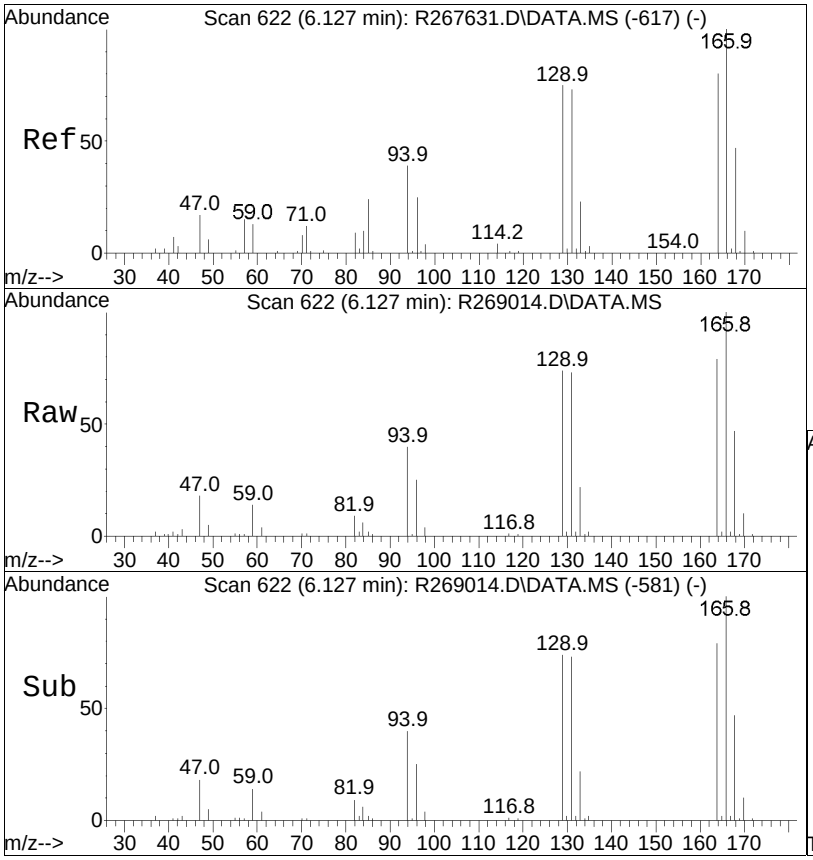


#68
toluene
Concen: 5.29 ppbV
RT: 5.569 min Scan# 552
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 91 Resp: 268704

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.3	72.5

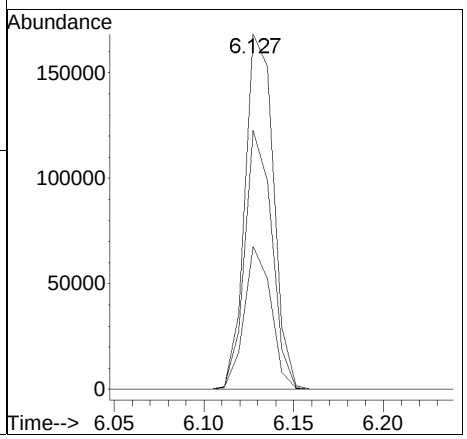


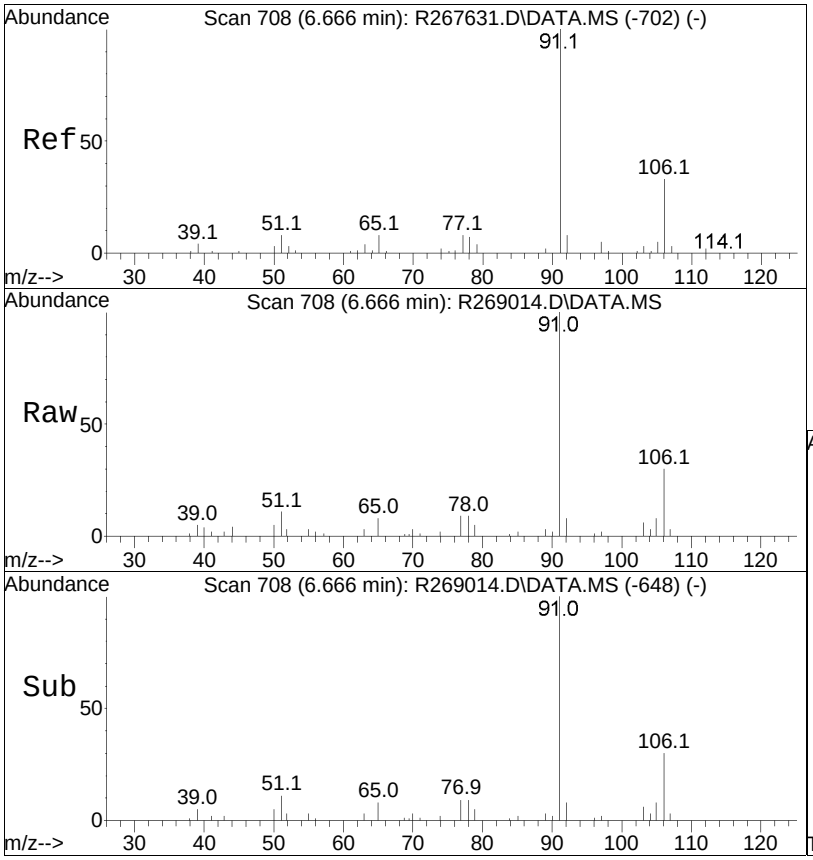


#78
tetrachloroethene
Concen: 8.04 ppbV
RT: 6.127 min Scan# 622
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:166 Resp: 186677

Ion	Ratio	Lower	Upper
166	100		
131	72.9	58.6	88.0
94	40.2	31.2	46.8

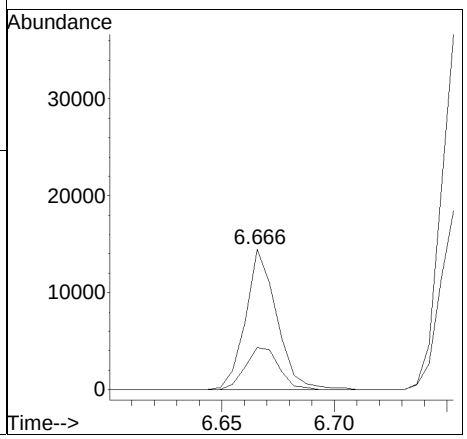


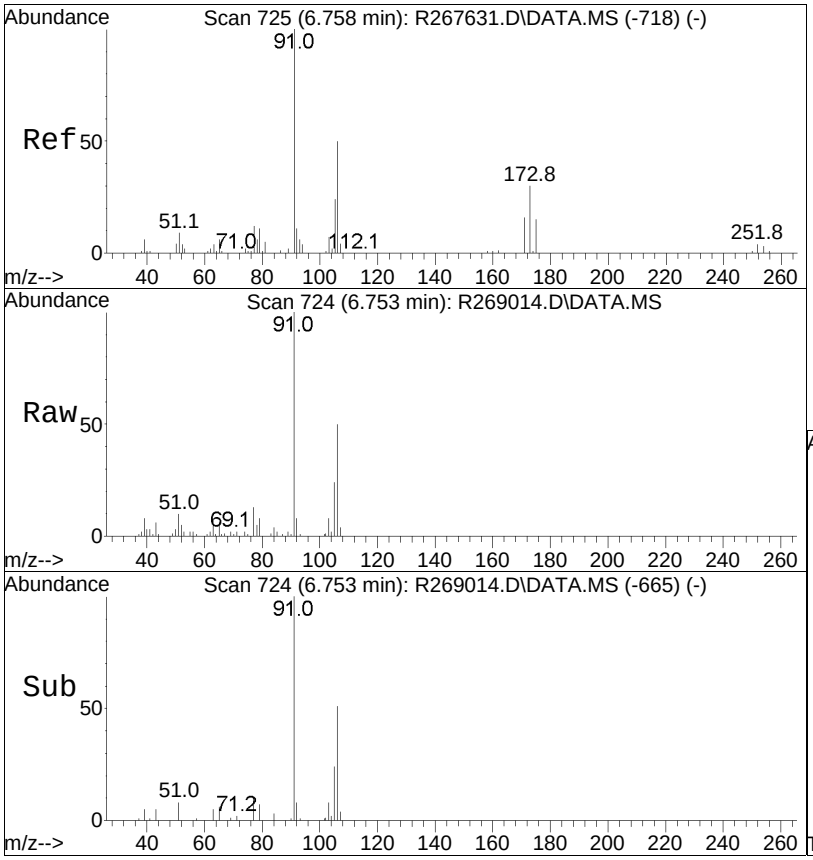


#81
ethylbenzene
Concen: 0.22 ppbV
RT: 6.666 min Scan# 708
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 91 Resp: 13929

Ion	Ratio	Lower	Upper
91	100		
106	29.8	26.3	39.5

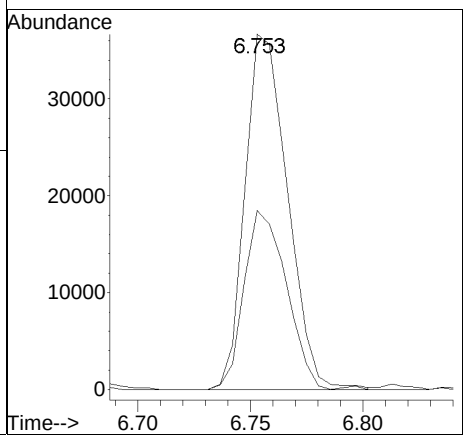


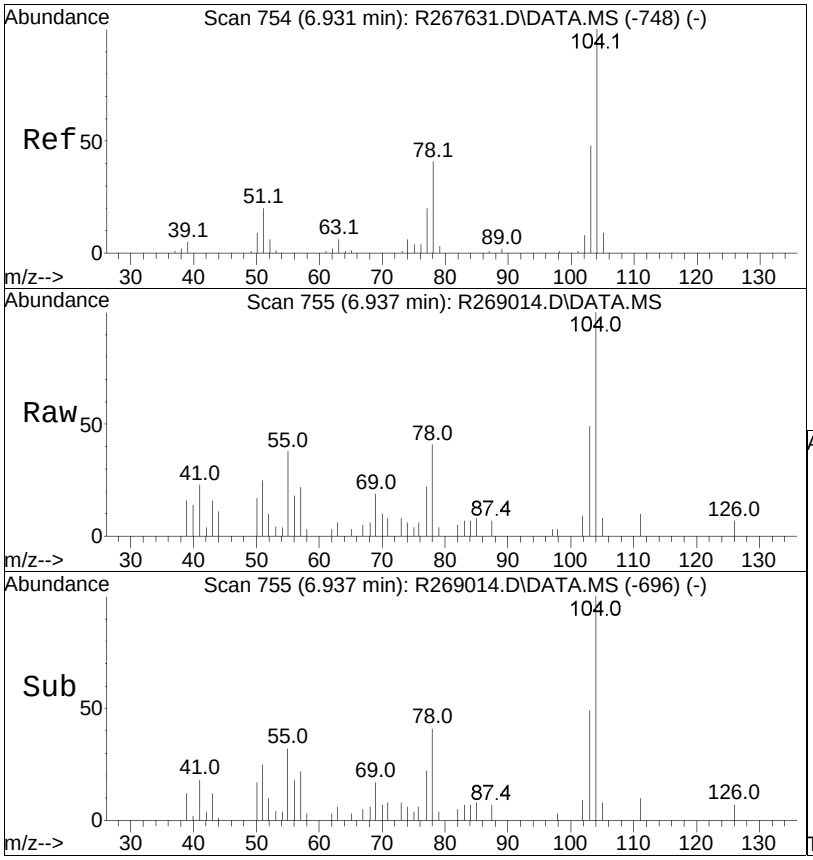


#83
m+p-xylene
Concen: 0.98 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.006 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 91 Resp: 48236

Ion	Ratio	Lower	Upper
91	100		
106	50.3	40.1	60.1

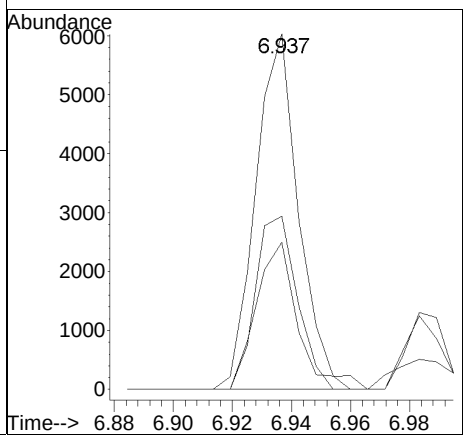


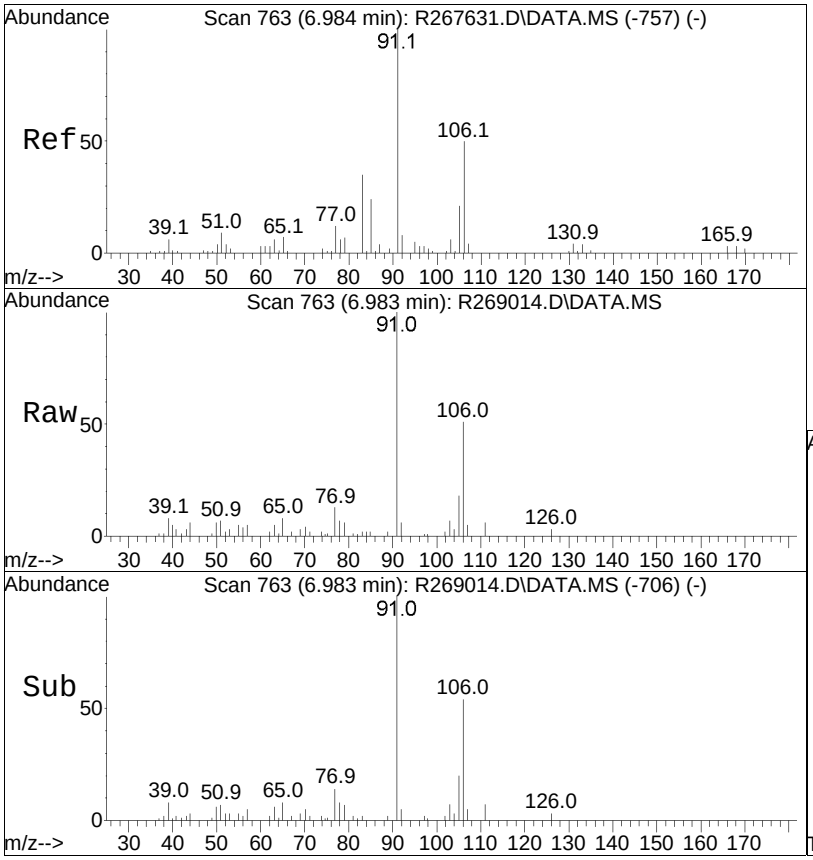


#85
styrene
Concen: 0.16 ppbV
RT: 6.937 min Scan# 755
Delta R.T. 0.005 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:104 Resp: 6142

Ion	Ratio	Lower	Upper
104	100		
103	48.7	38.6	57.8
78	41.4	32.5	48.7

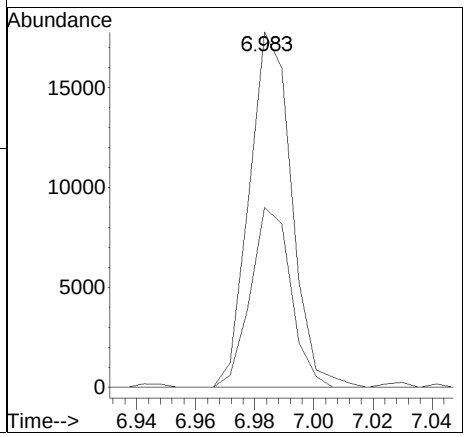


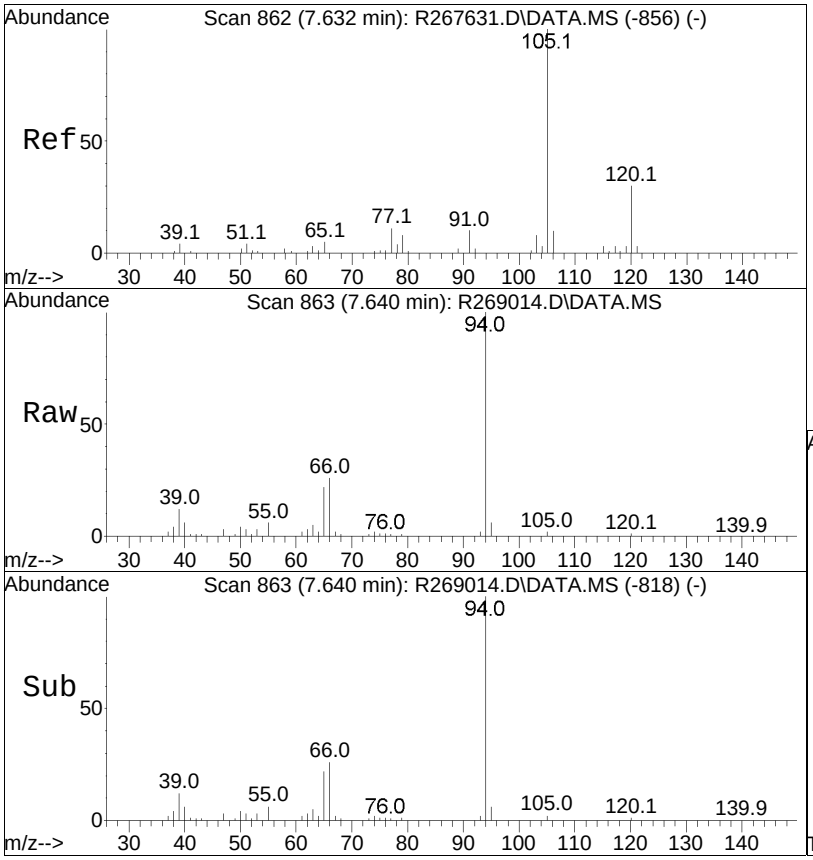


#87
o-xylene
Concen: 0.36 ppbV
RT: 6.983 min Scan# 763
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion: 91 Resp: 17696

Ion	Ratio	Lower	Upper
91	100		
106	50.7	40.2	60.2

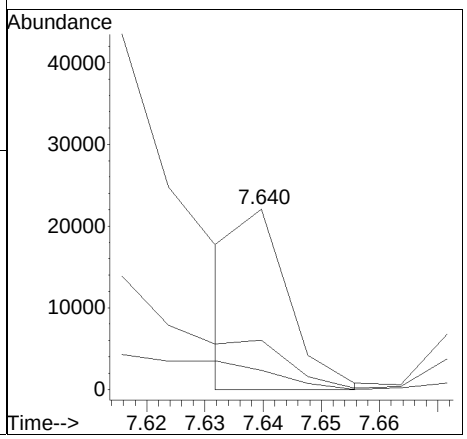


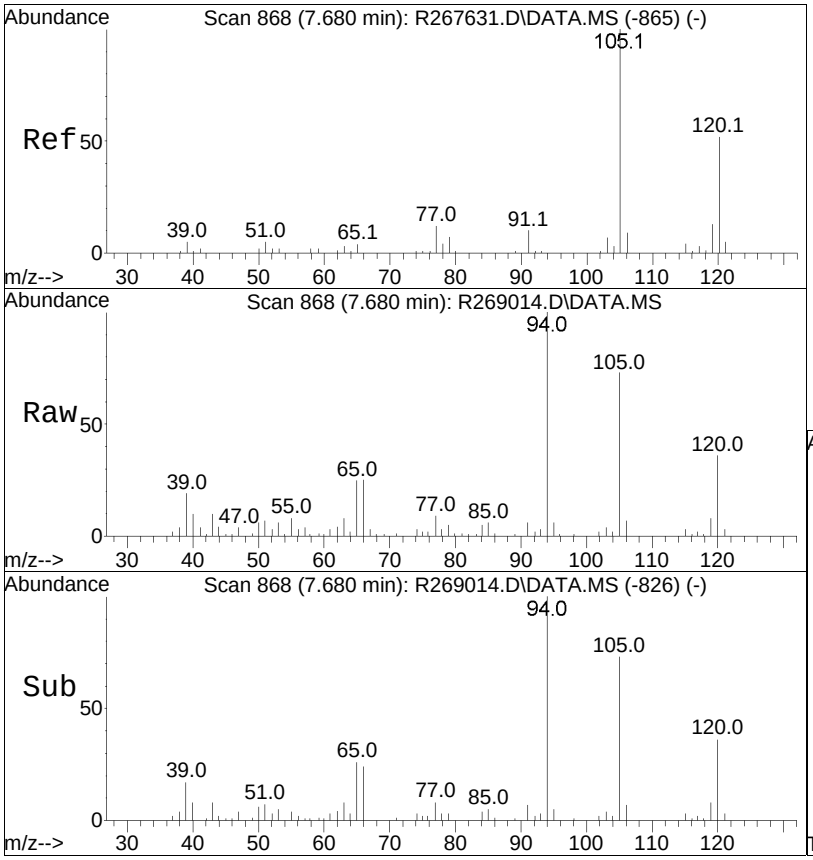


#96
4-ethyl toluene
Concen: 0.20 ppbV m
RT: 7.640 min Scan# 863
Delta R.T. 0.008 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:105 Resp: 12944

Ion	Ratio	Lower	Upper
105	100		
120	27.3	24.3	36.5
91	10.6	8.3	12.5

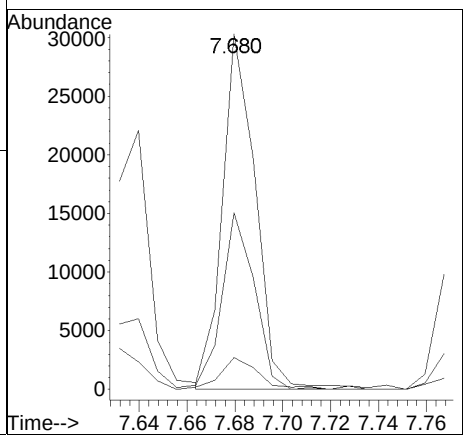


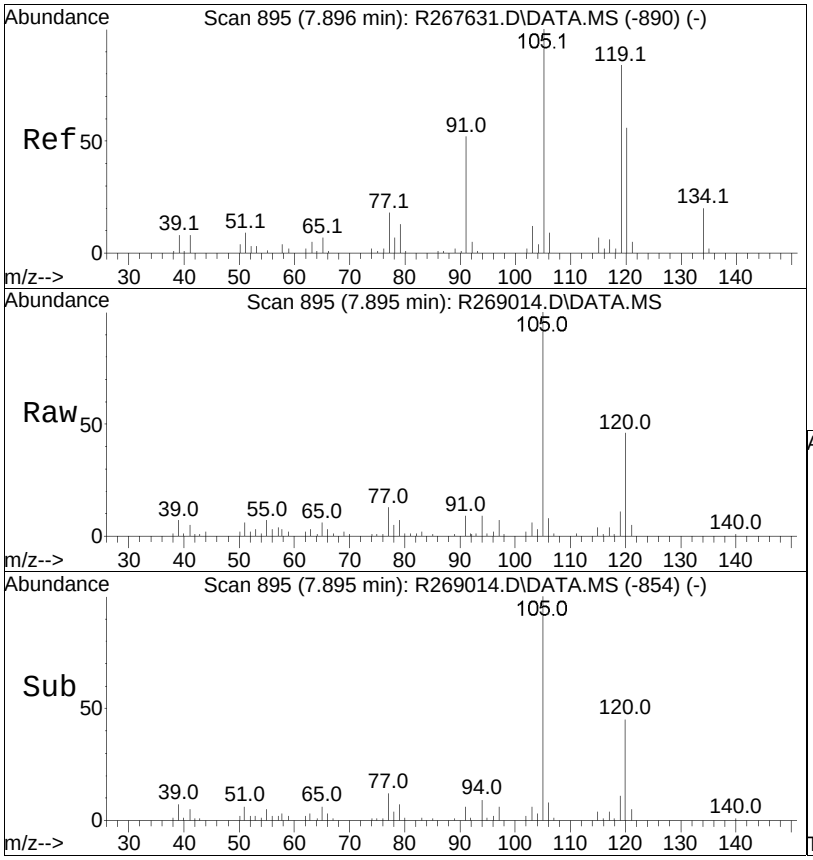


#97
1,3,5-trimethylbenzene
Concen: 0.52 ppbV
RT: 7.680 min Scan# 868
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:105 Resp: 29089

Ion	Ratio	Lower	Upper
105	100		
120	49.8	41.4	62.0
91	9.0	7.7	11.5

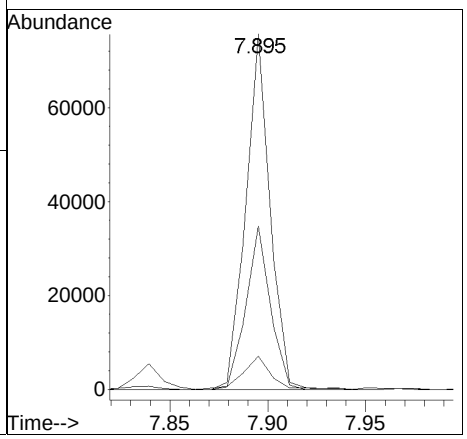




#99
1,2,4-trimethylbenzene
Concen: 1.16 ppbV
RT: 7.895 min Scan# 895
Delta R.T. -0.000 min
Lab File: R269014.D
Acq: 12 Mar 2026 02:57 am

Tgt Ion:105 Resp: 65483

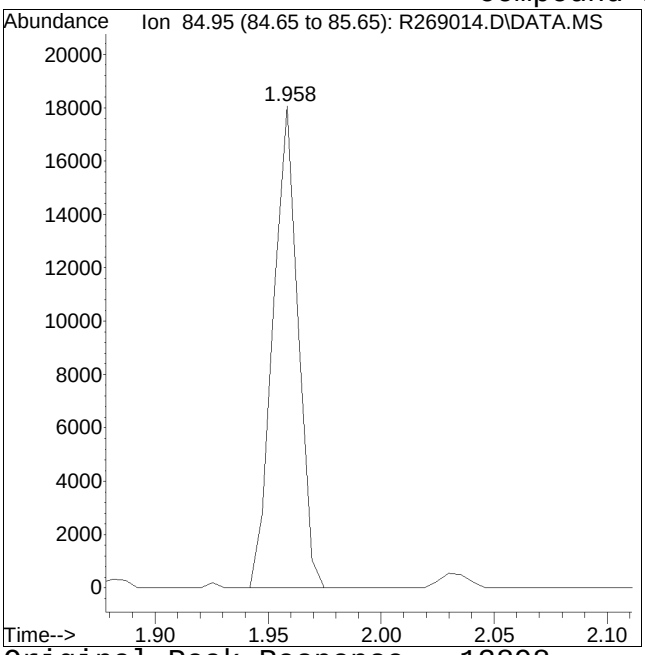
Ion	Ratio	Lower	Upper
105	100		
120	46.0	44.4	66.6
91	9.3	41.9	62.9#

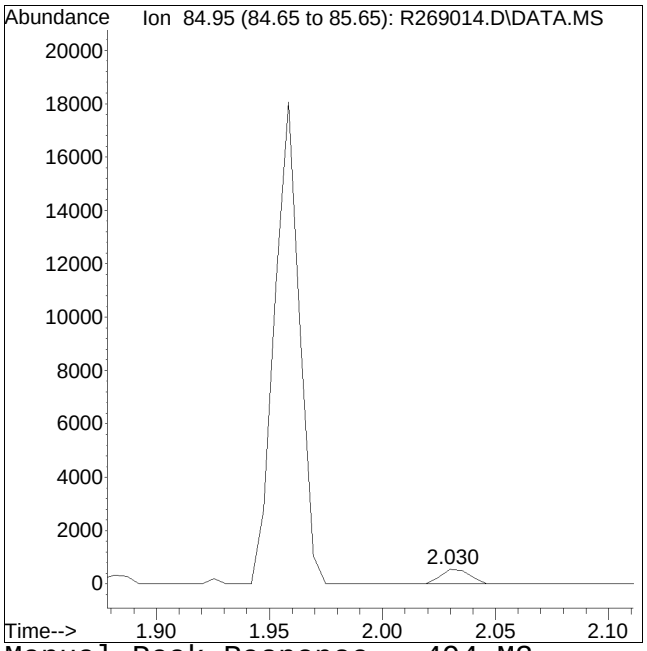


Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269014.D Operator : AIRLAB26:TPH
Date Inj'd : 3/12/2026 2:57 am Instrument : Airlab26
Sample : L2612752-01,3,250,250 Quant Date : 3/12/2026 7:04 am

Compound #7: Freon-114





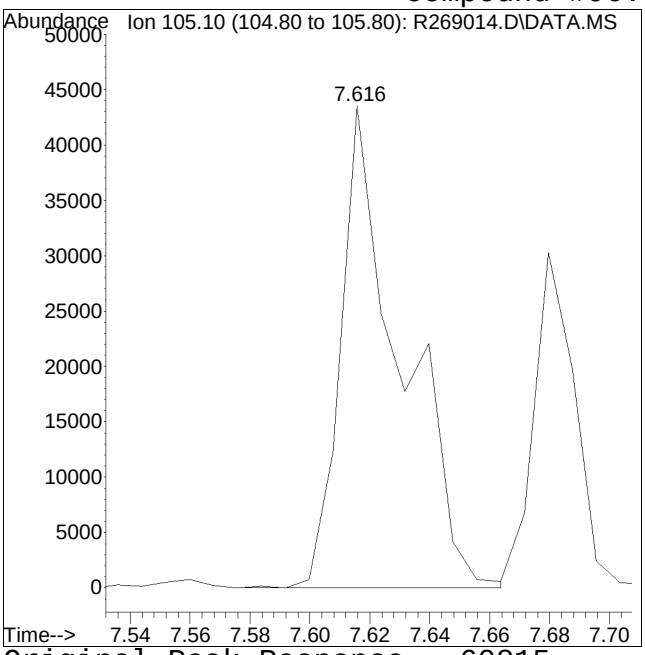
Original Peak Response = 13898 Manual Peak Response = 494 M3

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.

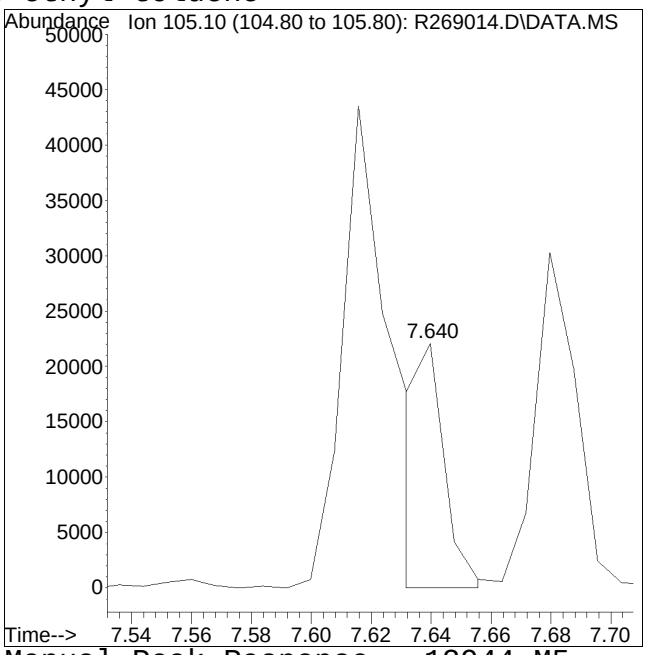
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269014.D Operator : AIRLAB26:TPH
Date Inj'd : 3/12/2026 2:57 am Instrument : Airlab26
Sample : L2612752-01,3,250,250 Quant Date : 3/12/2026 7:04 am

Compound #96: 4-ethyl toluene



Original Peak Response = 60815



Manual Peak Response = 12944 M5

M5 = Manual integration over a retention time range required, i.e. for hydrocarbon range methods.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22939**
Calibration dates	**: 01/07/26 22:38 01/08/26 02:40**		

Calibration Files

0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D

50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoromethane	0.732	0.520	0.807	1.021	0.643	0.518	0.642	0.600	0.685	24.40
3)		propylene		0.794	0.769	0.672	0.653	0.646	0.585	0.541	0.666	13.69
4)		propane		0.496	0.437	0.376	0.382	0.364	0.331	0.307	0.385	16.59
5)		dichlorodifluoromethane	2.182	2.231	2.260	2.006	1.962	1.898	1.696	1.511	1.968	13.44
6)	C	chloromethane	0.845	0.814	0.820	0.695	0.692	0.654	0.627	0.607	0.719	13.05
7)		Freon-114	2.641	2.471	2.437	2.190	2.133	2.074	1.816	1.591	2.169	16.10
8)	C	methanol			0.262	0.233	0.227	0.189	0.178	0.163	0.209	18.32
9)	C	vinyl chloride	0.894	0.944	0.948	0.844	0.797	0.800	0.743	0.701	0.834	10.88
10)	C	1,3-butadiene	0.736	0.598	0.645	0.545	0.524	0.547	0.509	0.483	0.573	14.53
11)		butane	1.216	1.096	1.123	1.030	1.013	0.969	0.897	0.823	1.021	12.38
12)	C	acetaldehyde		0.368	0.380	0.326	0.314	0.279	0.251	0.226	0.306	18.91
13)	C	bromomethane	0.974	0.845	0.859	0.774	0.757	0.767	0.710	0.671	0.795	12.03
14)	C	chloroethane	0.521	0.527	0.496	0.468	0.460	0.452	0.434	0.410	0.471	8.68
15)		ethanol			0.437	0.404	0.385	0.377	0.342	0.302	0.374	12.65
16)		dichlorofluoromethane	1.887	2.040	2.128	2.016	1.952	1.884	1.721	1.548	1.897	9.84
17)	C	vinyl bromide	0.939	0.880	0.900	0.779	0.751	0.894	0.730	0.689	0.820	11.41
18)	C	acrolein		0.459	0.457	0.380	0.366	0.373	0.358	0.337	0.390	12.42
19)		acetone	1.063	1.055	1.051	0.881	0.835	0.834	0.713	0.586	0.877	19.84
20)	C	acetonitrile	0.663	0.691	0.672	0.695	0.599	0.599	0.565	0.530	0.627	9.87
21)		trichlorofluoromethane	2.055	2.015	2.003	1.829	1.788	1.761	1.624	1.458	1.817	11.41
22)		isopropyl alcohol	1.425	1.318	1.364	0.936	0.919	1.041	0.924	0.796	1.090	22.14
23)	C	acrylonitrile	0.806	0.711	0.772	0.677	0.675	0.688	0.620	0.580	0.691	10.66
24)		pentane	1.397	1.560	1.280	1.327	1.139	1.222	1.162	0.983	1.259	13.95
25)		ethyl ether	0.782	0.712	0.681	0.609	0.585	0.598	0.503	0.456	0.616	17.44
26)	C	1,1-dichloroethene	1.246	1.297	1.257	1.148	1.107	1.113	1.034	0.946	1.143	10.47
27)		tertiary butyl alcohol		1.567	1.604	1.448	1.449	1.650	1.468	1.303	1.499	7.84
28)	C	methylene chloride		0.865	0.847	0.733	0.719	0.719	0.669	0.611	0.738	12.33
29)	C	3-chloropropene	0.873	0.812	0.833	0.740	0.710	0.742	0.694	0.636	0.755	10.44
30)	C	carbon disulfide	2.237	2.296	2.318	2.176	2.123	2.190	1.845	1.736	2.115	10.02
31)		Freon 113	1.886	1.760	1.809	1.642	1.595	1.578	1.438	1.288	1.624	12.13
32)		trans-1,2-dichloroethene	1.078	1.114	1.092	0.991	0.967	1.109	0.943	0.868	1.020	8.93
33)	C	1,1-dichloroethane	1.500	1.479	1.494	1.348	1.339	1.485	1.239	1.130	1.377	10.02
34)	C	MTBE	2.254	2.241	2.290	1.961	2.020	2.169	1.851	1.654	2.055	10.96
35)	C	vinyl acetate			1.350	1.357	1.437	1.665	1.456	1.432	1.450	7.90
36)	C	2-butanone		1.461	1.941	1.556	1.583	1.650	1.515	1.455	1.594	10.49

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22939**
Calibration dates	**: 01/07/26 22:38 01/08/26 02:40**		

Calibration Files

0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D

50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
37)		cis-1,2-dichloroethene	1.149	1.254	1.229	1.139	1.131	1.146	1.071	0.982	1.138	7.49
38)		Ethyl Acetate		0.419	0.486	0.291	0.259	0.270	0.284	0.253	0.323	28.32
39)	C	chloroform	1.729	1.860	1.868	1.711	1.668	1.647	1.523	1.361	1.671	10.06
40)		Tetrahydrofuran		0.690	0.727	0.674	0.704	0.724	0.692	0.649	0.694	3.96
41)		2,2-dichloropropane	1.413	1.584	1.496	1.431	1.422	1.388	1.282	1.177	1.399	8.90
42)	C	1,2-dichloroethane	0.969	1.064	1.045	0.996	1.002	0.997	0.934	0.875	0.985	6.10
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.542	0.511	0.489	0.363	0.348	0.365	0.340	0.310	0.408	22.04
45)		diisopropyl ether	0.326	0.297	0.305	0.286	0.290	0.285	0.272	0.254	0.290	7.46
46)		tert-butyl ethyl ether	0.821	0.829	0.794	0.795	0.787	0.767	0.711	0.635	0.767	8.42
47)	s	1,2-dichloroethane-D4	0.220	0.217	0.220	0.218	0.215	0.217	0.221	0.213	0.218	1.21
48)	C	1,1,1-trichloroethane	0.578	0.551	0.521	0.492	0.489	0.504	0.481	0.446	0.508	8.19
49)		1,1-dichloropropene	0.461	0.437	0.428	0.421	0.489	0.489	0.460	0.426	0.451	6.10
50)	C	benzene	0.908	0.985	0.876	0.838	0.848	0.845	0.785	0.697	0.848	9.98
51)		thiophene	0.699	0.723	0.694	0.782	0.773	0.666	0.622	0.563	0.690	10.67
52)	C	carbon tetrachloride	0.509	0.527	0.502	0.475	0.485	0.491	0.470	0.432	0.486	5.88
53)		cyclohexane	0.419	0.443	0.409	0.374	0.373	0.385	0.365	0.339	0.388	8.62
54)		tert-amyl methyl ether	0.900	0.848	0.823	0.810	0.807	0.802	0.742	0.663	0.799	8.87
55)		dibromomethane	0.341	0.327	0.322	0.323	0.322	0.316	0.311	0.288	0.319	4.71
56)	C	1,2-dichloropropane	0.310	0.342	0.314	0.296	0.308	0.302	0.287	0.264	0.303	7.42
57)		bromodichloromethane	0.531	0.562	0.523	0.503	0.510	0.537	0.511	0.476	0.519	4.96
58)	C	1,4-dioxane	0.226	0.186	0.178	0.166	0.175	0.195	0.187	0.178	0.186	9.81
59)	C	trichloroethene	0.437	0.456	0.456	0.394	0.394	0.387	0.377	0.348	0.406	9.68
60)	C	2,2,4-trimethylpentane	1.336	1.305	1.328	1.167	1.160	1.177	1.044	0.898	1.177	12.87
61)		methyl methacrylate		0.327	0.310	0.306	0.309	0.312	0.297	0.273	0.305	5.52
62)		heptane	0.459	0.466	0.420	0.373	0.378	0.387	0.358	0.329	0.396	12.18
63)	C	cis-1,3-dichloropropene	0.444	0.430	0.459	0.427	0.435	0.460	0.442	0.408	0.438	3.92
64)	C	4-methyl-2-pentanone		0.564	0.526	0.493	0.492	0.503	0.479	0.432	0.498	8.18
65)		trans-1,3-dichloropropene	0.329	0.333	0.338	0.329	0.333	0.360	0.352	0.328	0.338	3.49
66)	C	1,1,2-trichloroethane	0.360	0.374	0.357	0.365	0.364	0.363	0.350	0.322	0.357	4.37
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	7.927	7.832	7.585	7.349	7.141	7.090	6.259	5.543	7.091	11.49
69)	s	toluene-D8	6.253	6.274	6.115	6.168	6.196	6.127	6.165	5.944	6.155	1.66
70)		2-methylthiophene	7.048	7.071	6.778	7.795	7.519	6.171	5.503	4.829	6.589	15.45
71)		1,3-dichloropropane	3.435	3.550	3.538	3.604	3.446	3.392	3.043	2.799	3.351	8.41
72)		2-hexanone	3.137	3.617	3.503	3.318	3.289	3.370	3.116	2.844	3.274	7.39

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22939**
Calibration dates	**: 01/07/26 22:38 01/08/26 02:40**		

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
73)		3-methylthiophene	6.822	7.044	7.003	8.075	7.850	6.541	5.725	5.038	6.762	14.94
74)		dibromochloromethane	3.761	3.601	3.944	3.551	3.626	3.852	3.603	3.359	3.662	5.04
75)	C	1,2-dibromoethane	3.866	3.842	3.616	3.664	3.604	3.760	3.437	3.176	3.621	6.28
76)		butyl acetate		1.132	1.104	1.054	0.994	1.012	0.920	0.877	1.013	9.15
77)		octane	2.701	2.576	2.461	2.390	2.442	2.367	2.132	1.964	2.379	9.88
78)	C	tetrachloroethene	3.553	3.504	3.366	3.310	3.214	3.251	2.974	2.737	3.239	8.36
79)		1,1,1,2-tetrachloroethane	2.875	2.828	2.803	2.908	2.905	2.919	2.702	2.486	2.803	5.25
80)	C	chlorobenzene	5.898	5.830	6.043	5.683	5.597	5.648	5.053	4.429	5.523	9.60
81)	C	ethylbenzene	0.968	1.005	0.957	0.949	0.918	0.905	0.768	0.653	0.890	13.37
82)		2-ethylthiophene	8.030	7.955	7.857	9.205	8.858	7.375	6.346	5.409	7.629	16.39
83)	C	m+p-xylene	7.494	7.903	7.805	7.331	6.987	6.847	5.750	4.683	6.850	16.17
84)	C	bromoform	3.111	3.211	3.244	3.273	3.309	3.677	3.388	3.143	3.295	5.41
85)	C	styrene	5.245	5.671	5.530	5.626	5.524	5.646	5.086	4.442	5.346	7.86
86)	C	1,1,2,2-tetrachloroethane	5.662	5.397	5.298	5.370	5.262	5.372	4.808	4.127	5.162	9.32
87)	C	o-xylene	7.771	7.618	7.531	7.170	7.006	6.889	6.009	5.214	6.901	12.72
88)		1,2,3-trichloropropane	4.102	4.013	3.972	4.186	4.017	3.970	3.617	3.305	3.898	7.48
89)		nonane	4.427	4.349	4.281	4.367	4.195	4.108	3.606	3.199	4.066	10.71
90)	s	bromofluorobenzene	3.465	3.483	3.329	3.358	3.408	3.291	3.335	3.366	3.379	2.00
91)	C	isopropylbenzene	1.024	1.042	1.041	1.045	1.030	0.981	0.815	0.669	0.956	14.55
92)		bromobenzene	6.733	6.709	6.694	6.721	6.551	6.390	5.685	5.053	6.317	9.81
93)		2-chlorotoluene	2.528	2.780	2.473	2.681	2.730	2.696	2.452	2.286	2.578	6.61
94)		n-propylbenzene	2.665	3.040	2.840	3.128	2.966	2.984	2.664	2.402	2.836	8.57
95)		4-chlorotoluene	2.512	2.852	2.777	2.821	2.720	2.677	2.486	2.239	2.636	7.92
96)		4-ethyl toluene	0.972	1.010	0.990	0.984	0.948	0.961	0.811	0.671	0.918	12.76
97)		1,3,5-trimethylbenzene	8.983	8.341	8.406	8.287	8.050	7.983	6.856	5.864	7.846	12.76
98)		tert-butylbenzene	9.085	9.636	9.148	9.660	9.371	8.958	7.656	6.531	8.755	12.54
99)		1,2,4-trimethylbenzene	8.264	8.552	7.922	8.556	8.322	8.262	7.108	5.976	7.870	11.38
100)		decane	5.448	5.655	5.519	5.743	5.538	5.281	4.491	3.679	5.169	13.86
101)	C	Benzyl Chloride	6.465	6.529	6.158	6.943	6.734	7.610	6.764	5.724	6.616	8.41
102)		1,3-dichlorobenzene	5.778	6.024	5.817	5.936	5.861	5.996	5.240	4.708	5.670	8.12
103)	C	1,4-dichlorobenzene	5.756	6.182	5.965	6.067	5.986	6.020	5.356	4.599	5.741	9.17
104)		sec-butylbenzene	1.315	1.295	1.268	1.318	1.287	1.210	0.983	0.799	1.184	16.10
105)		1,2,3-trimethylbenzene	8.726	9.398	8.813	9.639	9.347	9.087	7.865	6.739	8.702	11.07
106)		p-isopropyltoluene	1.142	1.201	1.149	1.256	1.193	1.136	0.956	0.785	1.102	14.07
107)		1,2-dichlorobenzene	5.840	5.612	5.608	5.776	5.625	5.802	5.197	4.608	5.508	7.55
108)		n-butylbenzene	0.979	1.004	0.976	1.099	1.061	1.038	0.851	0.697	0.963	13.55

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22939**
Calibration dates	**: 01/07/26 22:38 01/08/26 02:40**		

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
109)		indan	8.252	7.843	7.706	7.845	7.689	8.004	6.865	5.892	7.512	10.22
110)		indene	5.718	6.119	6.107	6.570	6.453	6.780	5.962	5.075	6.098	8.82
111)	C	1,2-dibromo-3-chloropr...	2.097	2.200	2.085	2.776	2.758	2.861	2.692	2.560	2.504	12.97
112)		undecane	6.123	6.361	5.773	7.491	7.304	6.665	5.617	4.674	6.251	14.77
113)		1,2,4,5-tetramethylben...	3.427	2.998	3.104	5.029	4.966	3.880	3.662	3.441	3.813	20.53
114)		dodecane	5.531	5.327	5.336	9.678	8.603	7.351	6.074	4.867	6.596	26.68
115)	C	1,2,4-trichlorobenzene	4.105	4.256	4.386	5.803	5.796	6.224	5.697	5.190	5.182	15.92
116)		naphthalene	1.192	1.236	1.351	1.587	1.511	1.414	1.140	0.919	1.294	16.75
117)		1,2,3-trichlorobenzene	3.792	3.957	4.006	6.731	6.362	6.187	5.800	5.026	5.233	22.84
118)		benzothiophene	0.816	0.871	0.953	1.429	1.390	1.046	0.885	0.743	1.017	25.42
119)	C	hexachlorobutadiene	2.837	2.875	2.990	4.101	4.088	4.342	4.099	3.656	3.624	17.35
120)		2-methylnaphthalene			2.894	5.850	6.436	4.609	4.736	4.342	4.811	25.73
121)		1-methylnaphthalene			0.310	1.091	1.101	0.373	0.402	0.378	0.609	62.10#

Response Factor Report Airlab26

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Method File : TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026
Response Via : Initial Calibration

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
1)	I	bromochloromethane	----------ISTD----------									
2)		chlorodifluoro...	0.732	0.520	0.807	1.021	0.643	0.518	0.642	0.600	0.685	24.40
3)		propylene		0.794	0.769	0.672	0.653	0.646	0.585	0.541	0.666	13.69
4)		propane		0.496	0.437	0.376	0.382	0.364	0.331	0.307	0.385	16.59
5)		dichlorodifluo...	2.182	2.231	2.260	2.006	1.962	1.898	1.696	1.511	1.968	13.44
6)	C	chloromethane	0.845	0.814	0.820	0.695	0.692	0.654	0.627	0.607	0.719	13.05
7)		Freon-114	2.641	2.471	2.437	2.190	2.133	2.074	1.816	1.591	2.169	16.10
8)	C	methanol			0.262	0.233	0.227	0.189	0.178	0.163	0.209	18.32
9)	C	vinyl chloride	0.894	0.944	0.948	0.844	0.797	0.800	0.743	0.701	0.834	10.88
10)	C	1,3-butadiene	0.736	0.598	0.645	0.545	0.524	0.547	0.509	0.483	0.573	14.53
11)		butane	1.216	1.096	1.123	1.030	1.013	0.969	0.897	0.823	1.021	12.38
12)	C	acetaldehyde		0.368	0.380	0.326	0.314	0.279	0.251	0.226	0.306	18.91
13)	C	bromomethane	0.974	0.845	0.859	0.774	0.757	0.767	0.710	0.671	0.795	12.03
14)	C	chloroethane	0.521	0.527	0.496	0.468	0.460	0.452	0.434	0.410	0.471	8.68
15)		ethanol			0.437	0.404	0.385	0.377	0.342	0.302	0.374	12.65
16)		dichlorofluoro...	1.887	2.040	2.128	2.016	1.952	1.884	1.721	1.548	1.897	9.84
17)	C	vinyl bromide	0.939	0.880	0.900	0.779	0.751	0.894	0.730	0.689	0.820	11.41
18)	C	acrolein		0.459	0.457	0.380	0.366	0.373	0.358	0.337	0.390	12.42
19)		acetone	1.063	1.055	1.051	0.881	0.835	0.834	0.713	0.586	0.877	19.84
20)	C	acetonitrile	0.663	0.691	0.672	0.695	0.599	0.599	0.565	0.530	0.627	9.87
21)		trichlorofluor...	2.055	2.015	2.003	1.829	1.788	1.761	1.624	1.458	1.817	11.41
22)		isopropyl alcohol	1.425	1.318	1.364	0.936	0.919	1.041	0.924	0.796	1.090	22.14
23)	C	acrylonitrile	0.806	0.711	0.772	0.677	0.675	0.688	0.620	0.580	0.691	10.66
24)		pentane	1.397	1.560	1.280	1.327	1.139	1.222	1.162	0.983	1.259	13.95
25)		ethyl ether	0.782	0.712	0.681	0.609	0.585	0.598	0.503	0.456	0.616	17.44
26)	C	1,1-dichloroet...	1.246	1.297	1.257	1.148	1.107	1.113	1.034	0.946	1.143	10.47
27)		tertiary butyl...		1.567	1.604	1.448	1.449	1.650	1.468	1.303	1.499	7.84
28)	C	methylene chlo...		0.865	0.847	0.733	0.719	0.719	0.669	0.611	0.738	12.33
29)	C	3-chloropropene	0.873	0.812	0.833	0.740	0.710	0.742	0.694	0.636	0.755	10.44
30)	C	carbon disulfide	2.237	2.296	2.318	2.176	2.123	2.190	1.845	1.736	2.115	10.02
31)		Freon 113	1.886	1.760	1.809	1.642	1.595	1.578	1.438	1.288	1.624	12.13

Response Factor Report Airlab26

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Method File : TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026
Response Via : Initial Calibration

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
32)		trans-1,2-dich...	1.078	1.114	1.092	0.991	0.967	1.109	0.943	0.868	1.020	8.93
33)	C	1,1-dichloroet...	1.500	1.479	1.494	1.348	1.339	1.485	1.239	1.130	1.377	10.02
34)	C	MTBE	2.254	2.241	2.290	1.961	2.020	2.169	1.851	1.654	2.055	10.96
35)	C	vinyl acetate			1.350	1.357	1.437	1.665	1.456	1.432	1.450	7.90
36)	C	2-butanone			1.461	1.941	1.556	1.583	1.650	1.515	1.455	1.594	10.49
37)		cis-1,2-dichlo...	1.149	1.254	1.229	1.139	1.131	1.146	1.071	0.982	1.138	7.49
38)		Ethyl Acetate			0.419	0.486	0.291	0.259	0.270	0.284	0.253	0.323	28.32
39)	C	chloroform	1.729	1.860	1.868	1.711	1.668	1.647	1.523	1.361	1.671	10.06
40)		Tetrahydrofuran			0.690	0.727	0.674	0.704	0.724	0.692	0.649	0.694	3.96
41)		2,2-dichloropr...	1.413	1.584	1.496	1.431	1.422	1.388	1.282	1.177	1.399	8.90
42)	C	1,2-dichloroet...	0.969	1.064	1.045	0.996	1.002	0.997	0.934	0.875	0.985	6.10
43)	I	1,4-difluorobenzene	----------ISTD----------									
44)	C	hexane	0.542	0.511	0.489	0.363	0.348	0.365	0.340	0.310	0.408	22.04
45)		diisopropyl ether	0.326	0.297	0.305	0.286	0.290	0.285	0.272	0.254	0.290	7.46
46)		tert-butyl eth...	0.821	0.829	0.794	0.795	0.787	0.767	0.711	0.635	0.767	8.42
47)	s	1,2-dichloroet...	0.220	0.217	0.220	0.218	0.215	0.217	0.221	0.213	0.218	1.21
48)	C	1,1,1-trichlor...	0.578	0.551	0.521	0.492	0.489	0.504	0.481	0.446	0.508	8.19
49)		1,1-dichloropr...	0.461	0.437	0.428	0.421	0.489	0.489	0.460	0.426	0.451	6.10
50)	C	benzene	0.908	0.985	0.876	0.838	0.848	0.845	0.785	0.697	0.848	9.98
51)		thiophene	0.699	0.723	0.694	0.782	0.773	0.666	0.622	0.563	0.690	10.67
52)	C	carbon tetrach...	0.509	0.527	0.502	0.475	0.485	0.491	0.470	0.432	0.486	5.88
53)		cyclohexane	0.419	0.443	0.409	0.374	0.373	0.385	0.365	0.339	0.388	8.62
54)		tert-amyl meth...	0.900	0.848	0.823	0.810	0.807	0.802	0.742	0.663	0.799	8.87
55)		dibromomethane	0.341	0.327	0.322	0.323	0.322	0.316	0.311	0.288	0.319	4.71
56)	C	1,2-dichloropr...	0.310	0.342	0.314	0.296	0.308	0.302	0.287	0.264	0.303	7.42
57)		bromodichlorom...	0.531	0.562	0.523	0.503	0.510	0.537	0.511	0.476	0.519	4.96
58)	C	1,4-dioxane	0.226	0.186	0.178	0.166	0.175	0.195	0.187	0.178	0.186	9.81
59)	C	trichloroethene	0.437	0.456	0.456	0.394	0.394	0.387	0.377	0.348	0.406	9.68
60)	C	2,2,4-trimethy...	1.336	1.305	1.328	1.167	1.160	1.177	1.044	0.898	1.177	12.87
61)		methyl methacr...			0.327	0.310	0.306	0.309	0.312	0.297	0.273	0.305	5.52
62)		heptane	0.459	0.466	0.420	0.373	0.378	0.387	0.358	0.329	0.396	12.18

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Method File : TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026
Response Via : Initial Calibration

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
63)	C	cis-1,3-dichlo...	0.444	0.430	0.459	0.427	0.435	0.460	0.442	0.408	0.438	3.92
64)	C	4-methyl-2-pen...		0.564	0.526	0.493	0.492	0.503	0.479	0.432	0.498	8.18
65)		trans-1,3-dich...	0.329	0.333	0.338	0.329	0.333	0.360	0.352	0.328	0.338	3.49
66)	C	1,1,2-trichlor...	0.360	0.374	0.357	0.365	0.364	0.363	0.350	0.322	0.357	4.37
67)	I	chlorobenzene-D5	----------ISTD----------									
68)	C	toluene	7.927	7.832	7.585	7.349	7.141	7.090	6.259	5.543	7.091	11.49
69)	s	toluene-D8	6.253	6.274	6.115	6.168	6.196	6.127	6.165	5.944	6.155	1.66
70)		2-methylthiophene	7.048	7.071	6.778	7.795	7.519	6.171	5.503	4.829	6.589	15.45
71)		1,3-dichloropr...	3.435	3.550	3.538	3.604	3.446	3.392	3.043	2.799	3.351	8.41
72)		2-hexanone	3.137	3.617	3.503	3.318	3.289	3.370	3.116	2.844	3.274	7.39
73)		3-methylthiophene	6.822	7.044	7.003	8.075	7.850	6.541	5.725	5.038	6.762	14.94
74)		dibromochlorom...	3.761	3.601	3.944	3.551	3.626	3.852	3.603	3.359	3.662	5.04
75)	C	1,2-dibromoethane	3.866	3.842	3.616	3.664	3.604	3.760	3.437	3.176	3.621	6.28
76)		butyl acetate		1.132	1.104	1.054	0.994	1.012	0.920	0.877	1.013	9.15
77)		octane	2.701	2.576	2.461	2.390	2.442	2.367	2.132	1.964	2.379	9.88
78)	C	tetrachloroethene	3.553	3.504	3.366	3.310	3.214	3.251	2.974	2.737	3.239	8.36
79)		1,1,1,2-tetrac...	2.875	2.828	2.803	2.908	2.905	2.919	2.702	2.486	2.803	5.25
80)	C	chlorobenzene	5.898	5.830	6.043	5.683	5.597	5.648	5.053	4.429	5.523	9.60
81)	C	ethylbenzene	0.968	1.005	0.957	0.949	0.918	0.905	0.768	0.653	0.890	13.37
82)		2-ethylthiophene	8.030	7.955	7.857	9.205	8.858	7.375	6.346	5.409	7.629	16.39
83)	C	m+p-xylene	7.494	7.903	7.805	7.331	6.987	6.847	5.750	4.683	6.850	16.17
84)	C	bromoform	3.111	3.211	3.244	3.273	3.309	3.677	3.388	3.143	3.295	5.41
85)	C	styrene	5.245	5.671	5.530	5.626	5.524	5.646	5.086	4.442	5.346	7.86
86)	C	1,1,2,2-tetrac...	5.662	5.397	5.298	5.370	5.262	5.372	4.808	4.127	5.162	9.32
87)	C	o-xylene	7.771	7.618	7.531	7.170	7.006	6.889	6.009	5.214	6.901	12.72
88)		1,2,3-trichlor...	4.102	4.013	3.972	4.186	4.017	3.970	3.617	3.305	3.898	7.48
89)		nonane	4.427	4.349	4.281	4.367	4.195	4.108	3.606	3.199	4.066	10.71
90)	s	bromofluoroben...	3.465	3.483	3.329	3.358	3.408	3.291	3.335	3.366	3.379	2.00
91)	C	isopropylbenzene	1.024	1.042	1.041	1.045	1.030	0.981	0.815	0.669	0.956	14.55
92)		bromobenzene	6.733	6.709	6.694	6.721	6.551	6.390	5.685	5.053	6.317	9.81
93)		2-chlorotoluene	2.528	2.780	2.473	2.681	2.730	2.696	2.452	2.286	2.578	6.61

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Method File : TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026
Response Via : Initial Calibration

Calibration Files
0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D 5.0 =R267630.D 10 =R267631.D 20 =R267632.D
50 =R267633.D 100 =R267634.D

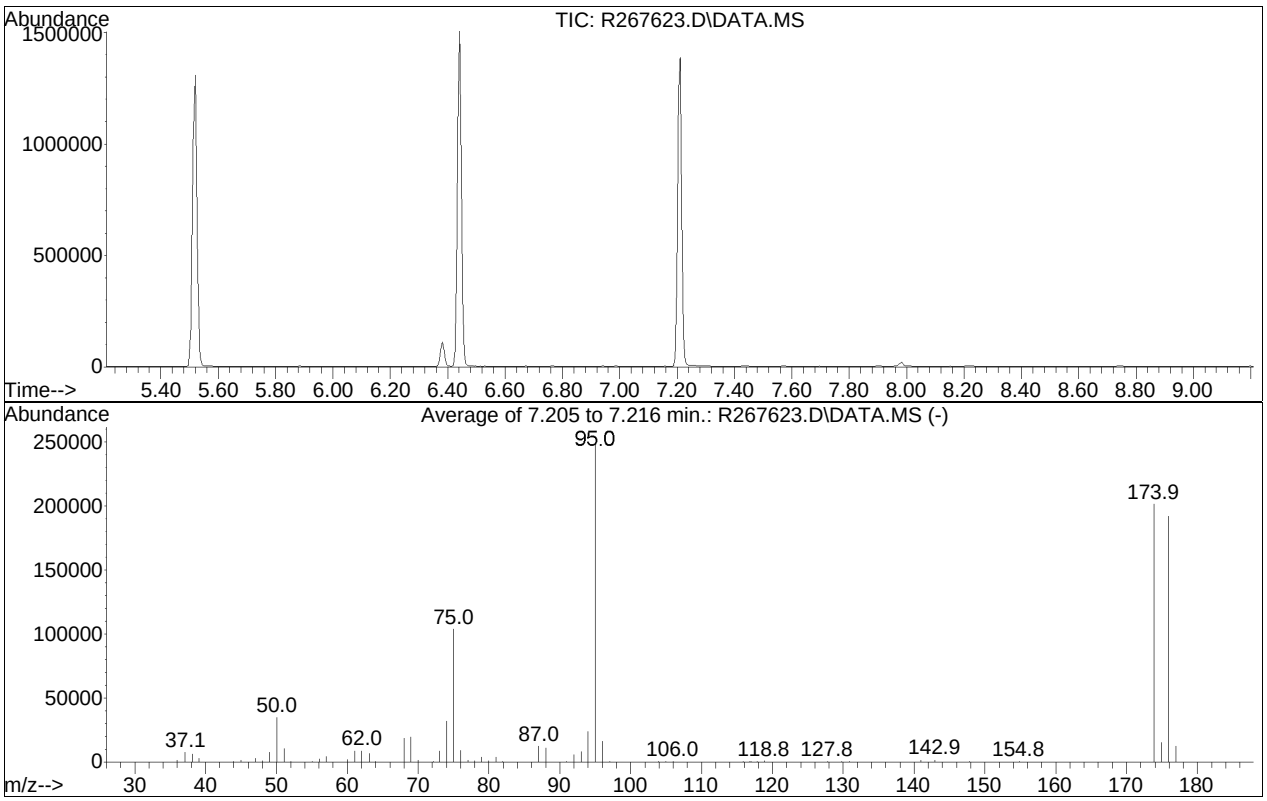
		Compound	0.2	0.5	1.0	5.0	10	20	50	100	Avg	%RSD
94)		n-propylbenzene	2.665	3.040	2.840	3.128	2.966	2.984	2.664	2.402	2.836	8.57
95)		4-chlorotoluene	2.512	2.852	2.777	2.821	2.720	2.677	2.486	2.239	2.636	7.92
96)		4-ethyl toluene	0.972	1.010	0.990	0.984	0.948	0.961	0.811	0.671	0.918	12.76
97)		1,3,5-trimethy...	8.983	8.341	8.406	8.287	8.050	7.983	6.856	5.864	7.846	12.76
98)		tert-butylbenzene	9.085	9.636	9.148	9.660	9.371	8.958	7.656	6.531	8.755	12.54
99)		1,2,4-trimethy...	8.264	8.552	7.922	8.556	8.322	8.262	7.108	5.976	7.870	11.38
100)		decane	5.448	5.655	5.519	5.743	5.538	5.281	4.491	3.679	5.169	13.86
101)	C	Benzyl Chloride	6.465	6.529	6.158	6.943	6.734	7.610	6.764	5.724	6.616	8.41
102)		1,3-dichlorobe...	5.778	6.024	5.817	5.936	5.861	5.996	5.240	4.708	5.670	8.12
103)	C	1,4-dichlorobe...	5.756	6.182	5.965	6.067	5.986	6.020	5.356	4.599	5.741	9.17
104)		sec-butylbenzene	1.315	1.295	1.268	1.318	1.287	1.210	0.983	0.799	1.184	16.10
105)		1,2,3-trimethy...	8.726	9.398	8.813	9.639	9.347	9.087	7.865	6.739	8.702	11.07
106)		p-isopropyltol...	1.142	1.201	1.149	1.256	1.193	1.136	0.956	0.785	1.102	14.07
107)		1,2-dichlorobe...	5.840	5.612	5.608	5.776	5.625	5.802	5.197	4.608	5.508	7.55
108)		n-butylbenzene	0.979	1.004	0.976	1.099	1.061	1.038	0.851	0.697	0.963	13.55
109)		indan	8.252	7.843	7.706	7.845	7.689	8.004	6.865	5.892	7.512	10.22
110)		indene	5.718	6.119	6.107	6.570	6.453	6.780	5.962	5.075	6.098	8.82
111)	C	1,2-dibromo-3-...	2.097	2.200	2.085	2.776	2.758	2.861	2.692	2.560	2.504	12.97
112)		undecane	6.123	6.361	5.773	7.491	7.304	6.665	5.617	4.674	6.251	14.77
113)		1,2,4,5-tetram...	3.427	2.998	3.104	5.029	4.966	3.880	3.662	3.441	3.813	20.53
114)		dodecane	5.531	5.327	5.336	9.678	8.603	7.351	6.074	4.867	6.596	26.68
115)	C	1,2,4-trichlor...	4.105	4.256	4.386	5.803	5.796	6.224	5.697	5.190	5.182	15.92
116)		naphthalene	1.192	1.236	1.351	1.587	1.511	1.414	1.140	0.919	1.294	16.75
117)		1,2,3-trichlor...	3.792	3.957	4.006	6.731	6.362	6.187	5.800	5.026	5.233	22.84
118)		benzothiophene	0.816	0.871	0.953	1.429	1.390	1.046	0.885	0.743	1.017	25.42
119)	C	hexachlorobuta...	2.837	2.875	2.990	4.101	4.088	4.342	4.099	3.656	3.624	17.35
120)		2-methylnaphth...			2.894	5.850	6.436	4.609	4.736	4.342	4.811	25.73
121)		1-methylnaphth...			0.310	1.091	1.101	0.373	0.402	0.378	0.609	62.10#

(#) = Out of Range

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267623.D
Acq On : 07 Jan 2026 08:31 pm
Operator : AIRLAB26:KJD
Sample : WG2163114-1,3,250,250
Misc : WG2163114
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026



AutoFind: Scans 801, 802, 803; Background Corrected with Scan 795

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.0	34979	PASS
75	95	30	66	41.7	103989	PASS
95	95	100	100	100.0	249664	PASS
96	95	5	9	6.6	16403	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.9	201856	PASS
175	174	4	9	7.5	15110	PASS
176	174	93	101	95.3	192299	PASS
177	176	5	9	6.5	12519	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:35 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	193829	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 109.17%			
43) 1,4-difluorobenzene	4.321	114	635305	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 107.08%			
67) chlorobenzene-D5	6.442	54	90537	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 105.26%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	139778	10.226	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%			
69) toluene-D8	5.521	98	566146	10.092	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.92%			
90) bromofluorobenzene	7.211	95	313669	10.165	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.65%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	2838M6	0.228	ppbV	
3) propylene	1.936	41	3060	0.242	ppbV	88
4) propane	1.942	29	1844	0.249	ppbV #	85
5) dichlorodifluoromethane	1.953	85	8459	0.222	ppbV	99
6) chloromethane	1.997	50	3276M3	0.244	ppbV	
7) Freon-114	2.030	85	10237	0.248	ppbV	90
8) methanol	2.046	31	5146	1.169	ppbV #	30
9) vinyl chloride	2.063	62	3466	0.224	ppbV	94
10) 1,3-butadiene	2.096	54	2853	0.281	ppbV	87
11) butane	2.118	43	4715	0.240	ppbV #	95
12) acetaldehyde	2.035	29	8369	1.374	ppbV #	48
13) bromomethane	2.178	94	3776	0.257	ppbV	98
14) chloroethane	2.227	64	2018	0.226	ppbV	91
15) ethanol	2.266	31	8642	1.158	ppbV	97
16) dichlorofluoromethane	2.255	67	7317	0.193	ppbV #	97
17) vinyl bromide	2.333	106	3641	0.250	ppbV	96
18) acrolein	2.367	56	1949	0.275	ppbV #	70
19) acetone	2.407	43	20607	1.274	ppbV #	98
20) acetonitrile	2.327	41	2570M4	0.221	ppbV	
21) trichlorofluoromethane	2.452	101	7965	0.230	ppbV	96
22) isopropyl alcohol	2.480	45	13810	0.775	ppbV	98
23) acrylonitrile	2.531	53	3124	0.239	ppbV #	93
24) pentane	2.554	43	5415	0.245	ppbV #	93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:35 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	2.565	31	3033	0.267	ppbV #	82
26) 1,1-dichloroethene	2.632	61	4832	0.225	ppbV	96
27) tertiary butyl alcohol	2.656	59	7091	0.253	ppbV #	81
28) methylene chloride	2.665	49	3609	0.259	ppbV	99
29) 3-chloropropene	2.703	41	3384	0.246	ppbV	93
30) carbon disulfide	2.756	76	8672	0.211	ppbV #	1
31) Freon 113	2.751	101	7310	0.237	ppbV	91
32) trans-1,2-dichloroethene	2.969	61	4178	0.223	ppbV #	85
33) 1,1-dichloroethane	3.044	63	5815	0.224	ppbV	89
34) MTBE	3.080	73	8739	0.223	ppbV #	91
35) vinyl acetate	3.111	43	4936	0.177	ppbV #	89
36) 2-butanone	3.212	43	6658	0.217	ppbV	92
37) cis-1,2-dichloroethene	3.372	61	4455	0.203	ppbV	93
38) Ethyl Acetate	3.499	61	2060	0.230	ppbV #	1
39) chloroform	3.491	83	6702	0.207	ppbV	91
40) Tetrahydrofuran	3.692	42	2686M6	0.197	ppbV	
41) 2,2-dichloropropane	3.506	77	5479	0.199	ppbV #	81
42) 1,2-dichloroethane	3.806	62	3757	0.193	ppbV #	88
44) hexane	3.476	57	6886	0.312	ppbV #	20
45) diisopropyl ether	3.491	87	4147	0.225	ppbV #	64
46) tert-butyl ethyl ether	3.717	59	10437	0.209	ppbV	96
48) 1,1,1-trichloroethane	3.928	97	7342	0.236	ppbV #	89
49) 1,1-dichloropropene	4.076	75	5853	0.189	ppbV #	88
50) benzene	4.132	78	11539	0.214	ppbV #	93
51) thiophene	4.189	84	8881	0.181	ppbV	95
52) carbon tetrachloride	4.198	117	6462	0.210	ppbV	97
53) cyclohexane	4.264	56	5325	0.225	ppbV	95
54) tert-amyl methyl ether	4.453	73	11434	0.223	ppbV	97
55) dibromomethane	4.500	93	4328	0.212	ppbV	98
56) 1,2-dichloropropane	4.519	63	3945	0.201	ppbV #	80
57) bromodichloromethane	4.613	83	6753	0.208	ppbV #	98
58) 1,4-dioxane	4.689	88	2874	0.258	ppbV #	79
59) trichloroethene	4.641	130	5555	0.222	ppbV	95
60) 2,2,4-trimethylpentane	4.689	57	16980	0.230	ppbV	99
61) methyl methacrylate	4.783	41	3635	0.185	ppbV #	70
62) heptane	4.830	43	5830	0.242	ppbV #	94
63) cis-1,3-dichloropropene	5.082	75	5645	0.204	ppbV	93
64) 4-methyl-2-pentanone	5.138	43	7339	0.235	ppbV	94
65) trans-1,3-dichloropropene	5.353	75	4184	0.198	ppbV #	93
66) 1,1,2-trichloroethane	5.425	97	4568	0.197	ppbV #	87

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:35 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.568	91	14354	0.222	ppbV		94
70) 2-methylthiophene	5.592	97	12763	0.187	ppbV		100
71) 1,3-dichloropropane	5.584	76	6220	0.199	ppbV	#	93
72) 2-hexanone	5.760	43	5681M3	0.191	ppbV		
73) 3-methylthiophene	5.688	97	12352	0.174	ppbV		99
74) dibromochloromethane	5.760	129	6811	0.207	ppbV		97
75) 1,2-dibromoethane	5.880	107	7000	0.215	ppbV		88
76) butyl acetate	6.095	73	1650	0.183	ppbV	#	72
77) octane	6.119	85	4891	0.221	ppbV	#	81
78) tetrachloroethene	6.127	166	6434	0.221	ppbV		96
79) 1,1,1,2-tetrachloroethane	6.464	131	5205	0.198	ppbV	#	85
80) chlorobenzene	6.464	112	10679	0.211	ppbV	#	88
81) ethylbenzene	6.666	91	17530	0.211	ppbV		100
82) 2-ethylthiophene	6.682	97	14541	0.181	ppbV		99
83) m+p-xylene	6.758	91	27140	0.429	ppbV		94
84) bromoform	6.758	173	5634	0.188	ppbV		93
85) styrene	6.931	104	9498	0.190	ppbV		98
86) 1,1,2,2-tetrachloroethane	6.984	83	10253	0.215	ppbV		97
87) o-xylene	6.984	91	14071	0.222	ppbV		93
88) 1,2,3-trichloropropane	7.048	75	7427	0.204	ppbV		96
89) nonane	7.152	43	8016	0.211	ppbV	#	94
91) isopropylbenzene	7.292	105	18539	0.199	ppbV		93
92) bromobenzene	7.304	77	12192	0.206	ppbV		87
93) 2-chlorotoluene	7.520	126	4578	0.185	ppbV		89
94) n-propylbenzene	7.560	120	4825	0.180	ppbV	#	52
95) 4-chlorotoluene	7.560	126	4549	0.185	ppbV		96
96) 4-ethyl toluene	7.640	105	17600	0.205	ppbV	#	94
97) 1,3,5-trimethylbenzene	7.680	105	16266	0.223	ppbV	#	92
98) tert-butylbenzene	7.895	119	16450	0.194	ppbV		95
99) 1,2,4-trimethylbenzene	7.895	105	14964	0.199	ppbV	#	73
100) decane	8.007	57	9865	0.197	ppbV		99
101) Benzyl Chloride	7.959	91	11707	0.192	ppbV	#	90
102) 1,3-dichlorobenzene	7.959	146	10463	0.197	ppbV		95
103) 1,4-dichlorobenzene	7.999	146	10423M3	0.192	ppbV		
104) sec-butylbenzene	8.047	105	23817	0.204	ppbV		98
105) 1,2,3-trimethylbenzene	8.127	105	15801	0.187	ppbV		98
106) p-isopropyltoluene	8.143	119	20682	0.191	ppbV		100
107) 1,2-dichlorobenzene	8.183	146	10575	0.208	ppbV		91
108) n-butylbenzene	8.390	91	17727	0.185	ppbV		98
109) indan	8.223	117	14942	0.215	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:35 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

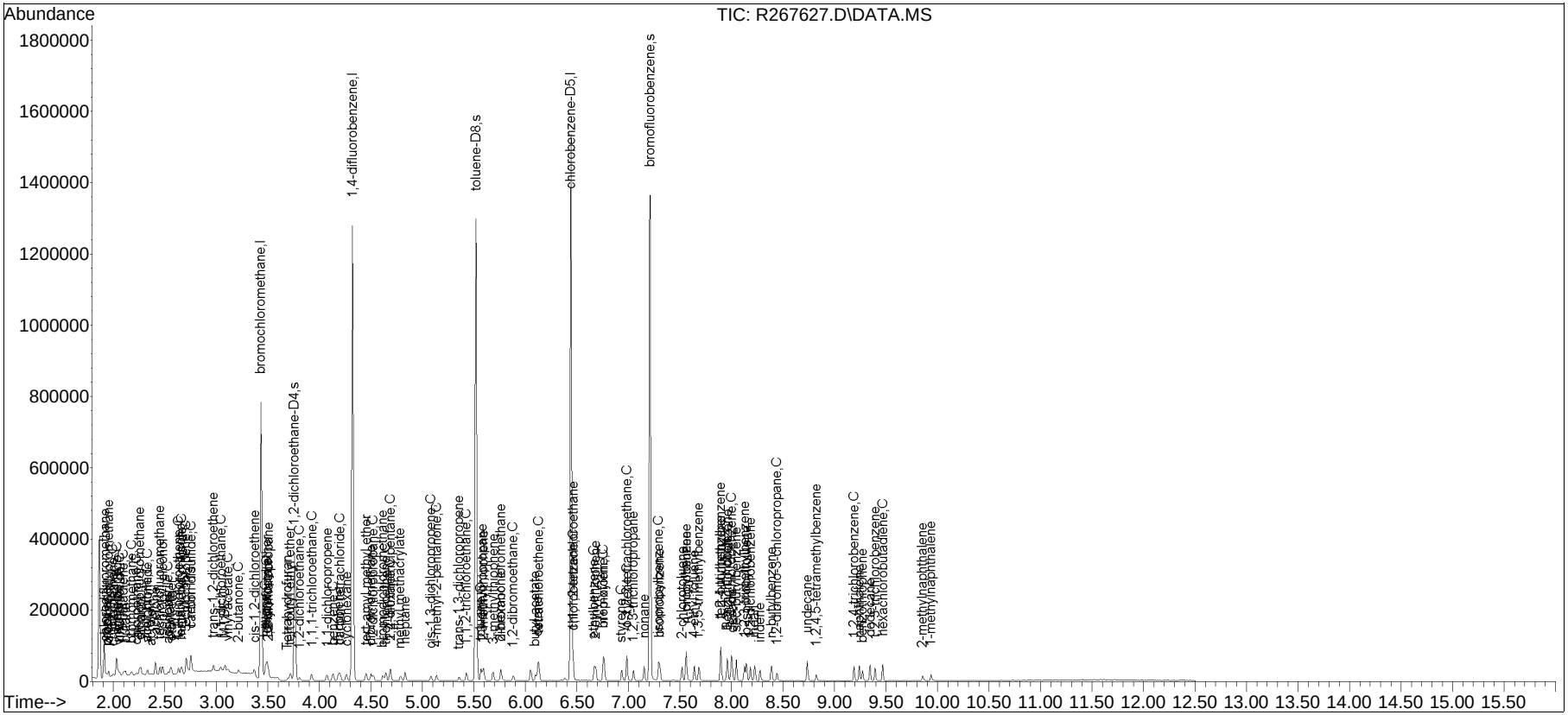
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.279	115	10353	0.177	ppbV	89
111) 1,2-dibromo-3-chloropr...	8.438	75	3797	0.152	ppbV	92
112) undecane	8.734	57	11087	0.168	ppbV	96
113) 1,2,4,5-tetramethylben...	8.821	119	6206	0.138	ppbV	95
114) dodecane	9.346	57	10016	0.129	ppbV	95
115) 1,2,4-trichlorobenzene	9.188	180	7433	0.142	ppbV	96
116) naphthalene	9.241	128	21585	0.158	ppbV	99
117) 1,2,3-trichlorobenzene	9.393	180	6867	0.119	ppbV	98
118) benzothiophene	9.270	134	14773	0.117	ppbV #	99
119) hexachlorobutadiene	9.469	225	5137	0.139	ppbV	99
120) 2-methylnaphthalene	9.855	142	4838	0.083	ppbV	98
121) 1-methylnaphthalene	9.937	142	5263M3	0.053	ppbV	

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

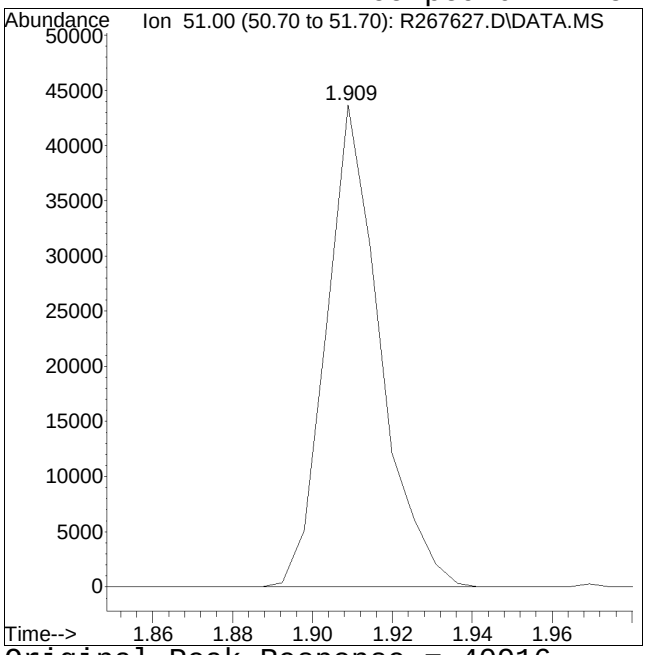
Quant Time: Jan 08 06:08:35 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



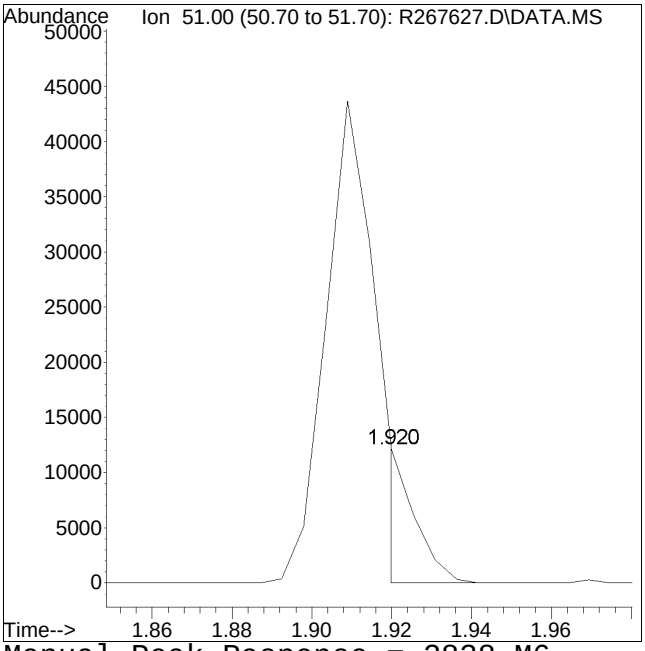
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #2: chlorodifluoromethane



Original Peak Response = 40916



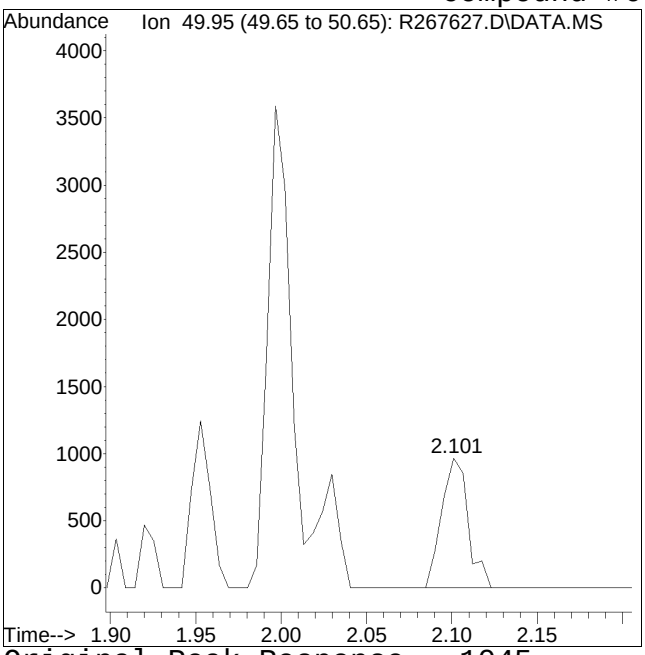
Manual Peak Response = 2838 M6

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

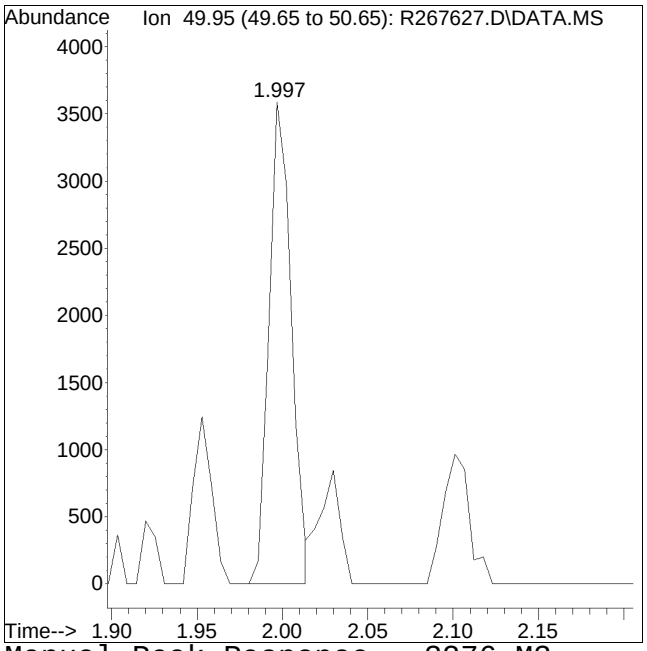
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #6: chloromethane



Original Peak Response = 1045



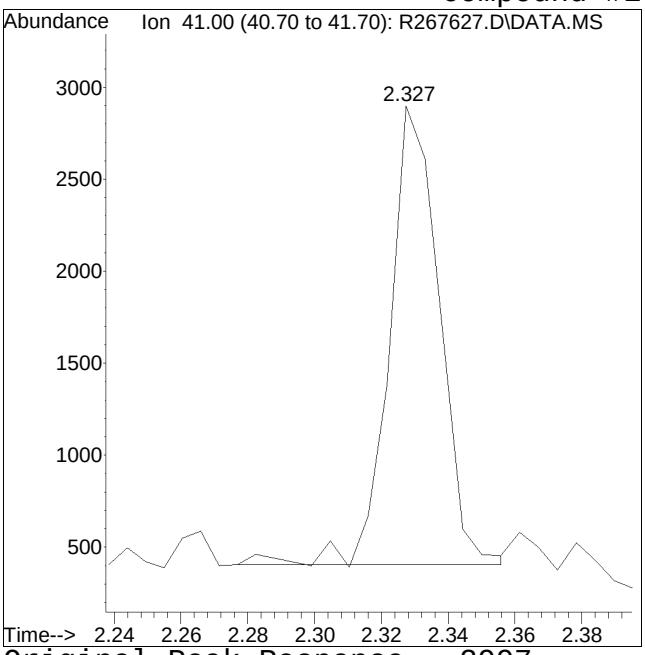
Manual Peak Response = 3276 M3

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.

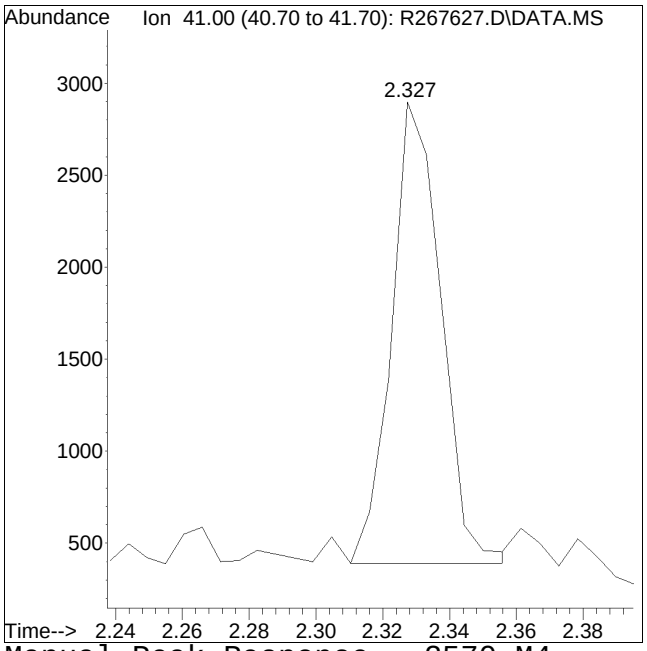
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #20: acetonitrile



Original Peak Response = 2997



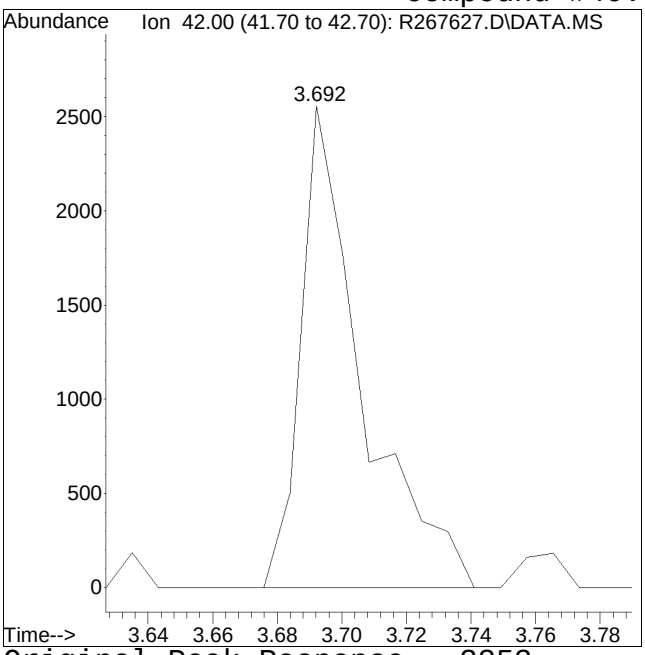
Manual Peak Response = 2570 M4

M4 = Poor automated baseline construction.

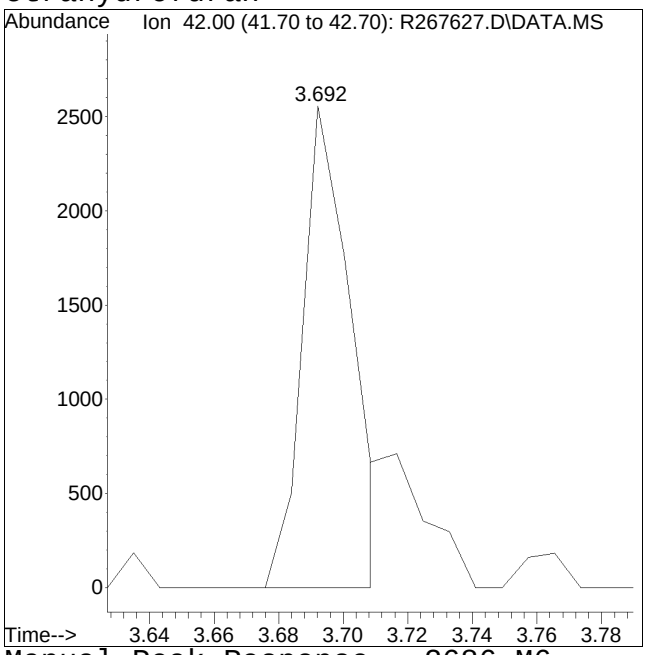
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #40: Tetrahydrofuran



Original Peak Response = 3353



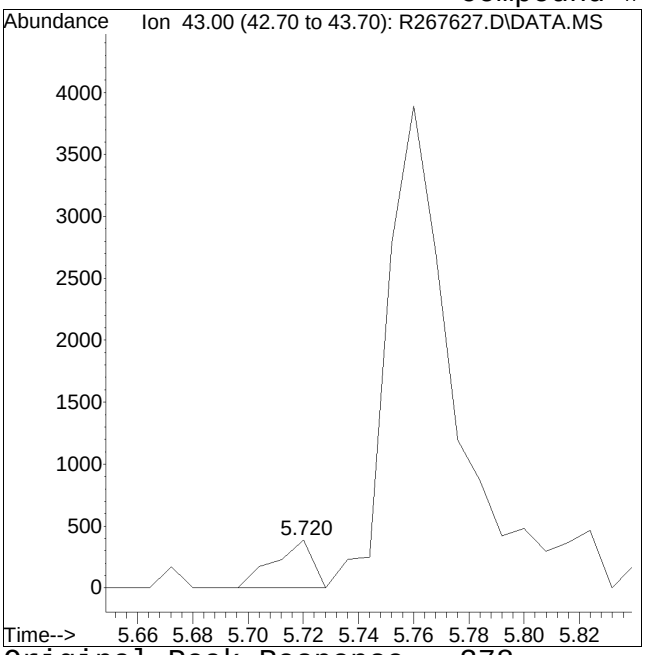
Manual Peak Response = 2686 M6

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

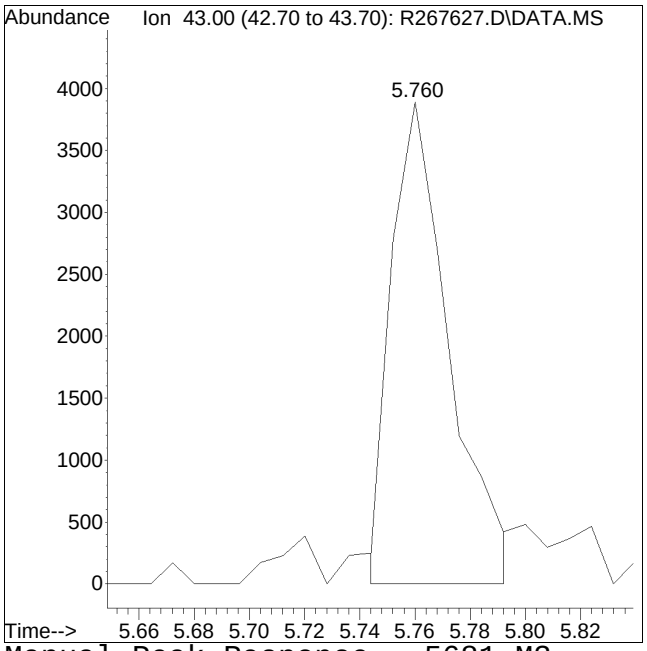
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #72: 2-hexanone



Original Peak Response = 378



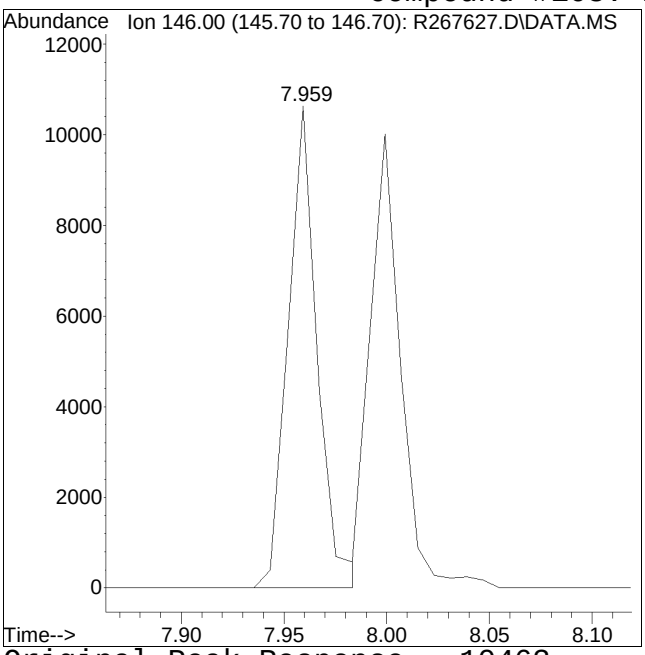
Manual Peak Response = 5681 M3

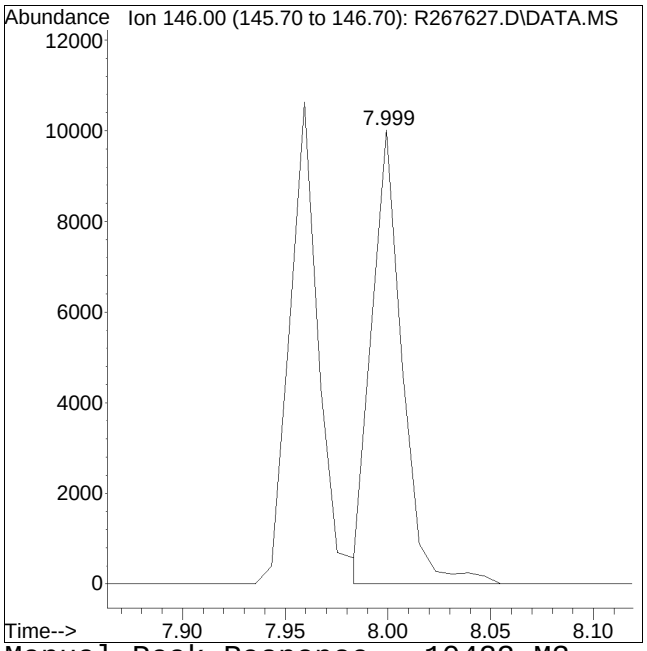
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #103: 1,4-dichlorobenzene





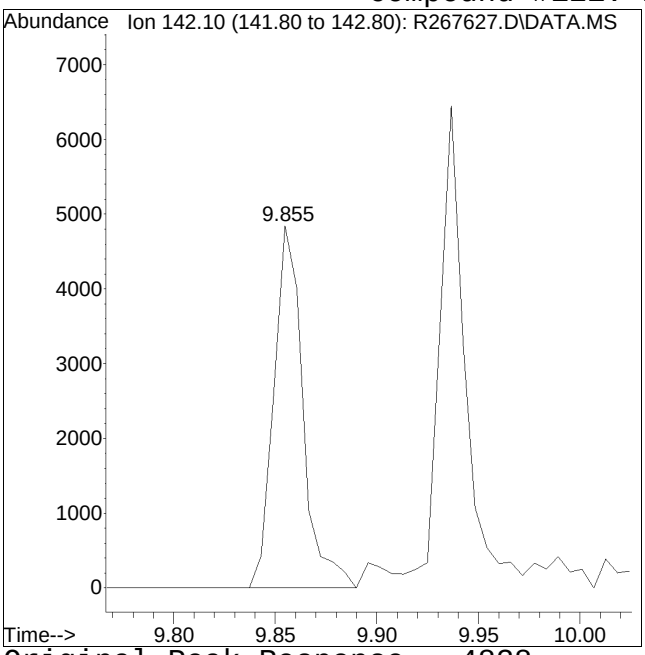
Original Peak Response = 10463 Manual Peak Response = 10423 M3

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.

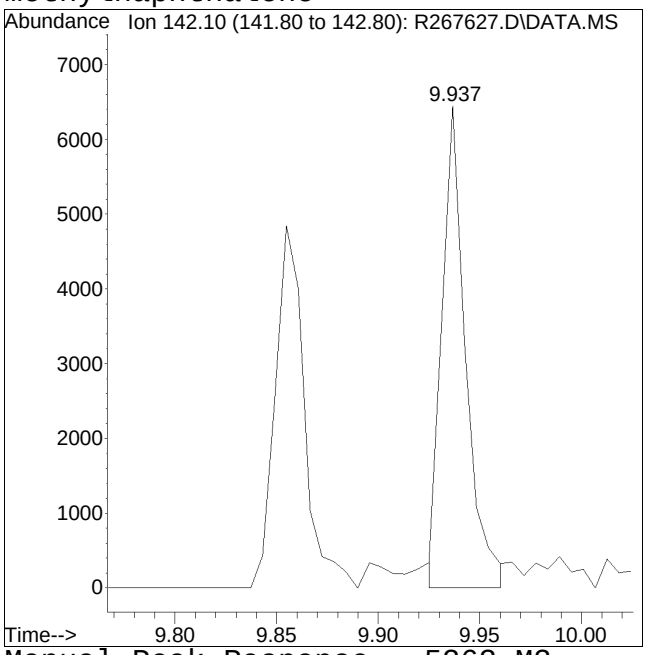
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:08 am

Compound #121: 1-methylnaphthalene



Original Peak Response = 4838



Manual Peak Response = 5263 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\Airlab26\2026\01\0107T_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	189258	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 106.59%			
43) 1,4-difluorobenzene	4.321	114	622601	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 104.94%			
67) chlorobenzene-D5	6.442	54	88732	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 103.16%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	135032	10.080	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.80%			
69) toluene-D8	5.521	98	556716	10.126	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.26%			
90) bromofluorobenzene	7.205	95	309077	10.220	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	4924M6	0.405	ppbV	
3) propylene	1.931	41	7517	0.608	ppbV	87
4) propane	1.937	29	4691	0.648	ppbV #	76
5) dichlorodifluoromethane	1.953	85	21113	0.569	ppbV	98
6) chloromethane	1.997	50	7706	0.588	ppbV	93
7) Freon-114	2.024	85	23380	0.579	ppbV	92
8) methanol	2.046	31	12418	2.889	ppbV #	63
9) vinyl chloride	2.057	62	8934	0.592	ppbV	100
10) 1,3-butadiene	2.101	54	5663	0.572	ppbV	82
11) butane	2.118	43	10371	0.541	ppbV	93
12) acetaldehyde	2.035	29	17427	2.930	ppbV #	77
13) bromomethane	2.178	94	7998	0.558	ppbV	92
14) chloroethane	2.228	64	4985	0.572	ppbV #	84
15) ethanol	2.261	31	21047	2.888	ppbV	97
16) dichlorofluoromethane	2.250	67	19302	0.522	ppbV #	97
17) vinyl bromide	2.327	106	8330	0.586	ppbV	94
18) acrolein	2.361	56	4343	0.627	ppbV #	87
19) acetone	2.401	43	49929	3.160	ppbV #	98
20) acetonitrile	2.327	41	6539	0.577	ppbV	95
21) trichlorofluoromethane	2.452	101	19070	0.564	ppbV	92
22) isopropyl alcohol	2.475	45	31178	1.793	ppbV	99
23) acrylonitrile	2.531	53	6729	0.527	ppbV	92
24) pentane	2.554	43	14758	0.685	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	2.560	31	6736	0.608	ppbV	95
26) 1,1-dichloroethene	2.632	61	12271	0.585	ppbV	99
27) tertiary butyl alcohol	2.646	59	14826	0.541	ppbV #	91
28) methylene chloride	2.661	49	8186	0.602	ppbV	98
29) 3-chloropropene	2.699	41	7683	0.572	ppbV #	93
30) carbon disulfide	2.751	76	21727	0.541	ppbV #	1
31) Freon 113	2.751	101	16655	0.552	ppbV	94
32) trans-1,2-dichloroethene	2.969	61	10540	0.576	ppbV	99
33) 1,1-dichloroethane	3.044	63	13998	0.553	ppbV	97
34) MTBE	3.080	73	21211	0.555	ppbV	96
35) vinyl acetate	3.111	43	10653	0.392	ppbV	99
36) 2-butanone	3.208	43	13830	0.462	ppbV	94
37) cis-1,2-dichloroethene	3.364	61	11869	0.554	ppbV	95
38) Ethyl Acetate	3.499	61	3964M6	0.454	ppbV	
39) chloroform	3.491	83	17601	0.558	ppbV	98
40) Tetrahydrofuran	3.684	42	6531M6	0.490	ppbV	
41) 2,2-dichloropropane	3.506	77	14989	0.557	ppbV	99
42) 1,2-dichloroethane	3.806	62	10064	0.531	ppbV #	94
44) hexane	3.476	57	15894	0.734	ppbV #	47
45) diisopropyl ether	3.484	87	9252	0.512	ppbV	91
46) tert-butyl ethyl ether	3.717	59	25799	0.527	ppbV	97
48) 1,1,1-trichloroethane	3.920	97	17159	0.563	ppbV	97
49) 1,1-dichloropropene	4.067	75	13608	0.447	ppbV #	92
50) benzene	4.133	78	30671	0.581	ppbV	99
51) thiophene	4.180	84	22519	0.468	ppbV	94
52) carbon tetrachloride	4.199	117	16393	0.542	ppbV #	92
53) cyclohexane	4.265	56	13787	0.594	ppbV	98
54) tert-amyl methyl ether	4.444	73	26404	0.526	ppbV #	94
55) dibromomethane	4.500	93	10167	0.508	ppbV	95
56) 1,2-dichloropropane	4.519	63	10661	0.556	ppbV	97
57) bromodichloromethane	4.613	83	17499	0.551	ppbV	98
58) 1,4-dioxane	4.679	88	5801	0.531	ppbV #	72
59) trichloroethene	4.642	130	14193	0.579	ppbV	99
60) 2,2,4-trimethylpentane	4.689	57	40620	0.562	ppbV	97
61) methyl methacrylate	4.783	41	10182	0.529	ppbV	96
62) heptane	4.830	43	14514	0.616	ppbV	91
63) cis-1,3-dichloropropene	5.082	75	13394	0.494	ppbV	96
64) 4-methyl-2-pentanone	5.130	43	17564	0.573	ppbV	97
65) trans-1,3-dichloropropene	5.353	75	10367	0.500	ppbV	99
66) 1,1,2-trichloroethane	5.425	97	11653	0.514	ppbV	96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.569	91	34746	0.548	ppbV		100
70) 2-methylthiophene	5.593	97	31370	0.470	ppbV		97
71) 1,3-dichloropropane	5.585	76	15748	0.515	ppbV		95
72) 2-hexanone	5.744	43	16045	0.550	ppbV		97
73) 3-methylthiophene	5.680	97	31252	0.449	ppbV		99
74) dibromochloromethane	5.760	129	15977	0.497	ppbV		98
75) 1,2-dibromoethane	5.880	107	17046	0.533	ppbV		99
76) butyl acetate	6.087	73	5022	0.569	ppbV		92
77) octane	6.119	85	11429	0.528	ppbV		91
78) tetrachloroethene	6.127	166	15546	0.545	ppbV		96
79) 1,1,1,2-tetrachloroethane	6.458	131	12548	0.487	ppbV		95
80) chlorobenzene	6.464	112	25865	0.521	ppbV		94
81) ethylbenzene	6.666	91	44574	0.547	ppbV		96
82) 2-ethylthiophene	6.682	97	35295	0.449	ppbV		99
83) m+p-xylene	6.758	91	70129	1.131	ppbV		100
84) bromoform	6.758	173	14244	0.485	ppbV		96
85) styrene	6.931	104	25162	0.513	ppbV		97
86) 1,1,2,2-tetrachloroethane	6.978	83	23943	0.513	ppbV		97
87) o-xylene	6.984	91	33800	0.544	ppbV		96
88) 1,2,3-trichloropropane	7.042	75	17806	0.500	ppbV		95
89) nonane	7.152	43	19295	0.518	ppbV		90
91) isopropylbenzene	7.292	105	46223	0.506	ppbV		99
92) bromobenzene	7.304	77	29766	0.512	ppbV		100
93) 2-chlorotoluene	7.520	126	12333	0.509	ppbV		87
94) n-propylbenzene	7.552	120	13488	0.512	ppbV		98
95) 4-chlorotoluene	7.560	126	12655	0.524	ppbV		65
96) 4-ethyl toluene	7.640	105	44824	0.533	ppbV		97
97) 1,3,5-trimethylbenzene	7.680	105	37005	0.518	ppbV		96
98) tert-butylbenzene	7.896	119	42750	0.514	ppbV		91
99) 1,2,4-trimethylbenzene	7.896	105	37944	0.514	ppbV		93
100) decane	7.999	57	25087	0.511	ppbV	#	94
101) Benzyl Chloride	7.959	91	28968	0.485	ppbV		93
102) 1,3-dichlorobenzene	7.959	146	26728	0.514	ppbV		93
103) 1,4-dichlorobenzene	7.999	146	27426	0.516	ppbV		93
104) sec-butylbenzene	8.047	105	57461	0.503	ppbV		96
105) 1,2,3-trimethylbenzene	8.127	105	41697	0.503	ppbV		95
106) p-isopropyltoluene	8.143	119	53272	0.503	ppbV		98
107) 1,2-dichlorobenzene	8.183	146	24896	0.499	ppbV		97
108) n-butylbenzene	8.382	91	44536	0.473	ppbV		90
109) indan	8.223	117	34795	0.510	ppbV		93

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

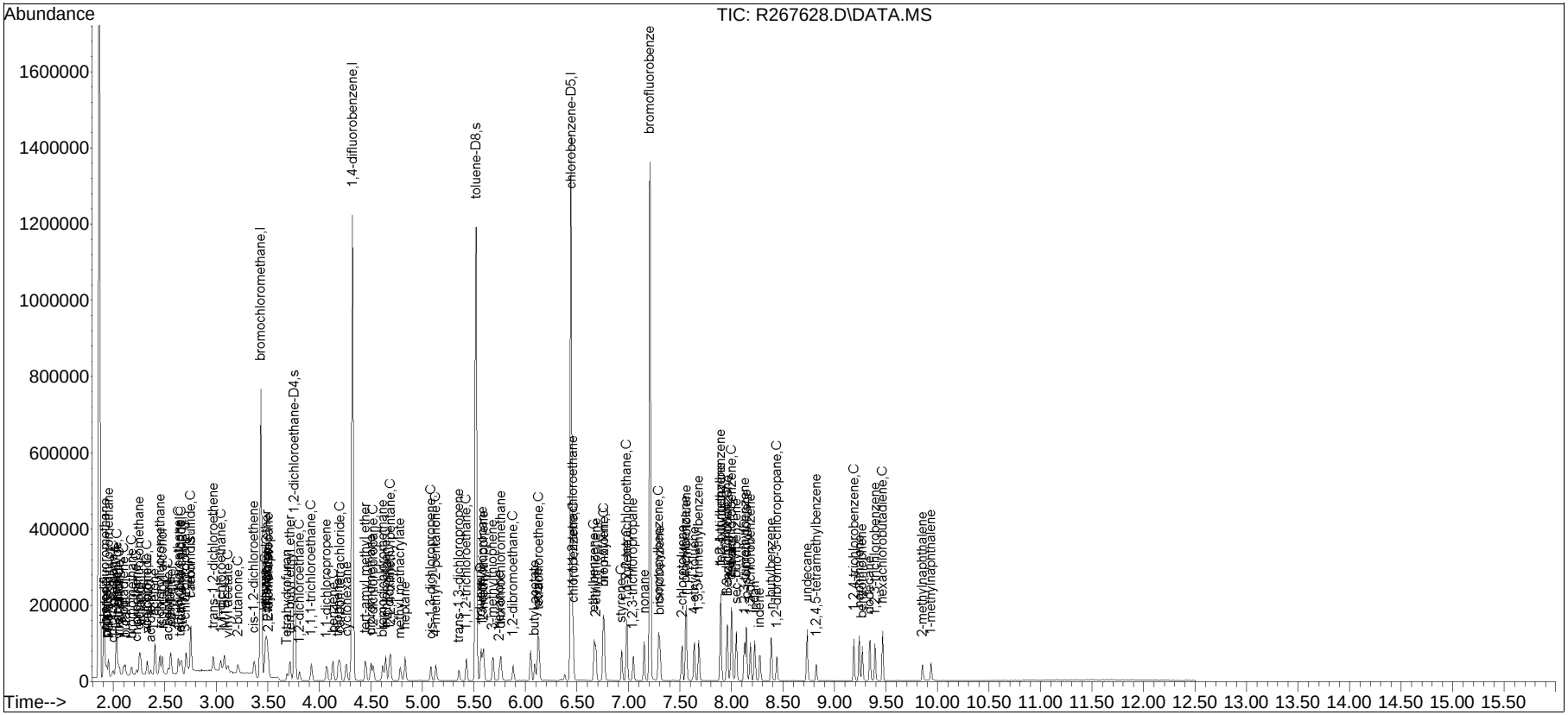
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	27149	0.474	ppbV	94
111) 1,2-dibromo-3-chloropr...	8.438	75	9762	0.399	ppbV	95
112) undecane	8.734	57	28221	0.435	ppbV	98
113) 1,2,4,5-tetramethylben...	8.822	119	13301	0.302	ppbV	98
114) dodecane	9.338	57	23632	0.310	ppbV	97
115) 1,2,4-trichlorobenzene	9.186	180	18880	0.367	ppbV	95
116) naphthalene	9.239	128	54845	0.409	ppbV	96
117) 1,2,3-trichlorobenzene	9.391	180	17556	0.311	ppbV	93
118) benzothiophene	9.268	134	38658	0.313	ppbV	97
119) hexachlorobutadiene	9.467	225	12756	0.352	ppbV	91
120) 2-methylnaphthalene	9.853	142	12864	0.225	ppbV	89
121) 1-methylnaphthalene	9.935	142	15279	0.156	ppbV	94

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

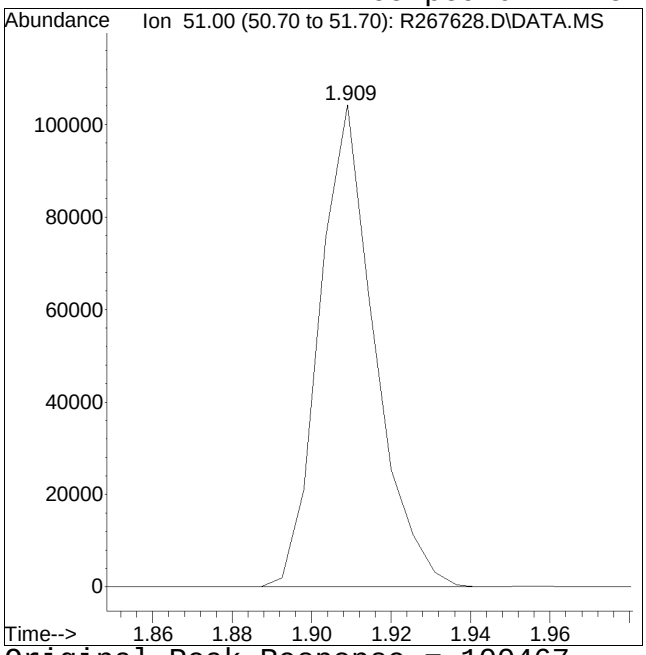
Quant Time: Jan 08 06:08:44 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



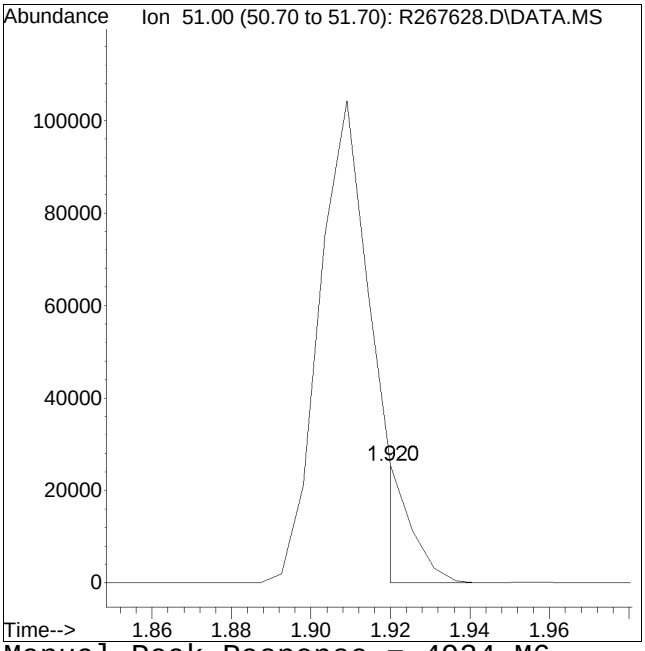
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:08 am

Compound #2: chlorodifluoromethane



Original Peak Response = 100467



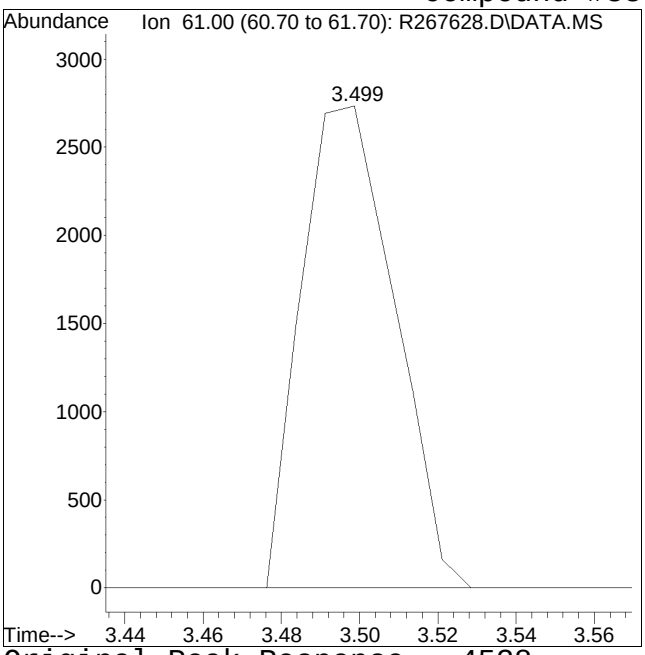
Manual Peak Response = 4924 M6

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

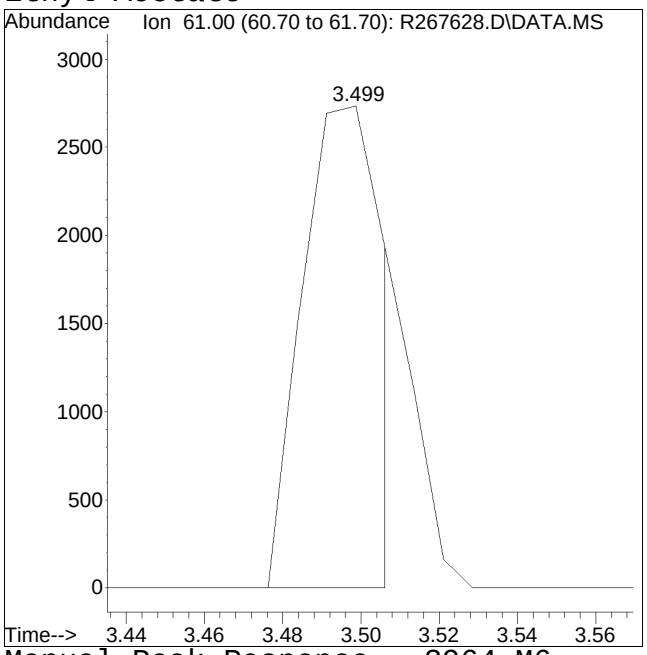
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:08 am

Compound #38: Ethyl Acetate



Original Peak Response = 4538



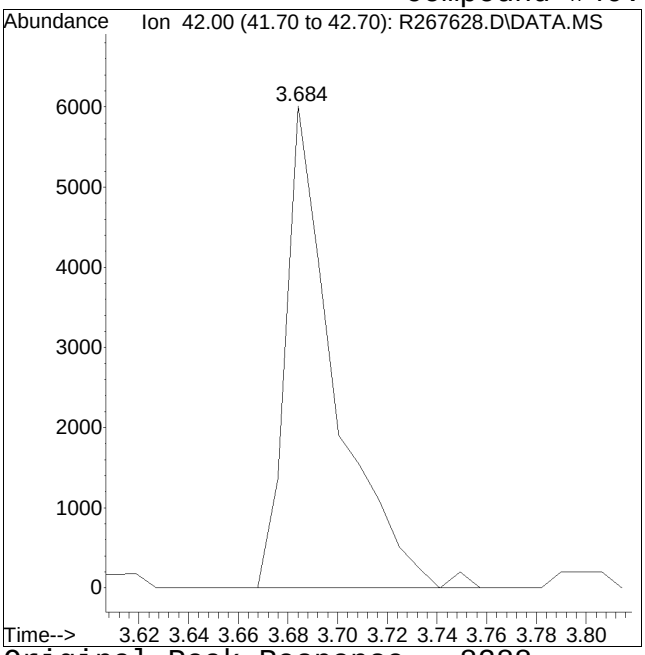
Manual Peak Response = 3964 M6

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

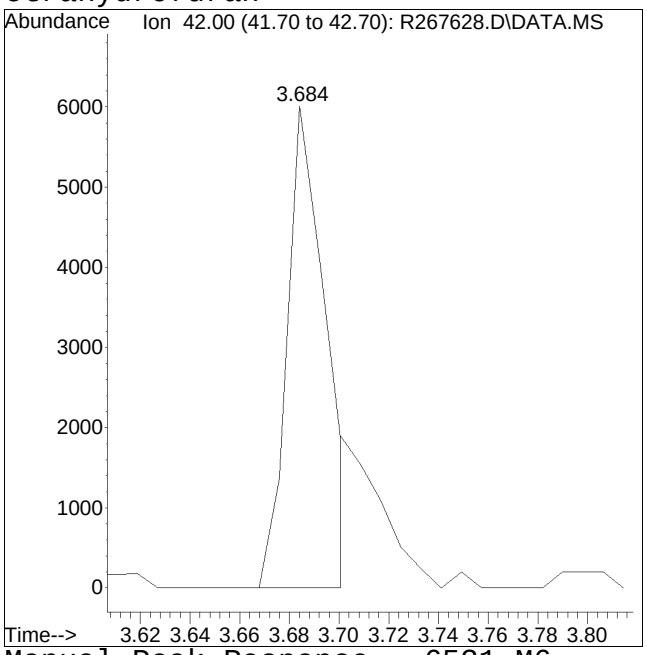
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:08 am

Compound #40: Tetrahydrofuran



Original Peak Response = 8288



Manual Peak Response = 6531 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	187125	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 105.39%			
43) 1,4-difluorobenzene	4.321	114	634211	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 106.90%			
67) chlorobenzene-D5	6.442	54	89916	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 104.54%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	139315	10.209	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.09%			
69) toluene-D8	5.521	98	549822	9.869	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.69%			
90) bromofluorobenzene	7.205	95	299321	9.767	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.67%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	15094M6	1.255	ppbV	
3) propylene	1.937	41	14393	1.178	ppbV	90
4) propane	1.942	29	8177	1.143	ppbV	98
5) dichlorodifluoromethane	1.953	85	42287	1.152	ppbV	97
6) chloromethane	1.997	50	15337	1.184	ppbV	98
7) Freon-114	2.030	85	45594	1.142	ppbV	96
8) methanol	2.046	31	24558	5.779	ppbV #	83
9) vinyl chloride	2.063	62	17743	1.190	ppbV	99
10) 1,3-butadiene	2.101	54	12064	1.231	ppbV	100
11) butane	2.118	43	21021	1.109	ppbV	95
12) acetaldehyde	2.035	29	35585	6.052	ppbV	90
13) bromomethane	2.178	94	16076	1.135	ppbV	95
14) chloroethane	2.228	64	9279	1.077	ppbV	93
15) ethanol	2.261	31	40841	5.668	ppbV	93
16) dichlorofluoromethane	2.255	67	39823	1.090	ppbV	99
17) vinyl bromide	2.333	106	16832	1.197	ppbV	91
18) acrolein	2.361	56	8548	1.248	ppbV	95
19) acetone	2.401	43	98361	6.297	ppbV	96
20) acetonitrile	2.327	41	12567	1.122	ppbV	94
21) trichlorofluoromethane	2.452	101	37473	1.120	ppbV	94
22) isopropyl alcohol	2.475	45	63791	3.710	ppbV	98
23) acrylonitrile	2.537	53	14443	1.144	ppbV	94
24) pentane	2.560	43	23961	1.124	ppbV	98

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	2.560	31	12746	1.164	ppbV		96
26) 1,1-dichloroethene	2.632	61	23513	1.135	ppbV		97
27) tertiary butyl alcohol	2.651	59	30023	1.108	ppbV		96
28) methylene chloride	2.665	49	15847	1.178	ppbV		89
29) 3-chloropropene	2.704	41	15588	1.173	ppbV		98
30) carbon disulfide	2.756	76	43372	1.092	ppbV	#	62
31) Freon 113	2.756	101	33845	1.134	ppbV		98
32) trans-1,2-dichloroethene	2.973	61	20438	1.130	ppbV		98
33) 1,1-dichloroethane	3.044	63	27953	1.116	ppbV		98
34) MTBE	3.080	73	42845	1.133	ppbV		97
35) vinyl acetate	3.111	43	25260	0.940	ppbV		95
36) 2-butanone	3.208	43	36312	1.226	ppbV		99
37) cis-1,2-dichloroethene	3.372	61	22992	1.086	ppbV		96
38) Ethyl Acetate	3.491	61	9098M6	1.054	ppbV		
39) chloroform	3.491	83	34954	1.120	ppbV		98
40) Tetrahydrofuran	3.684	42	13605M6	1.032	ppbV		
41) 2,2-dichloropropane	3.506	77	27996	1.052	ppbV		97
42) 1,2-dichloroethane	3.806	62	19562	1.043	ppbV		95
44) hexane	3.476	57	30983	1.404	ppbV	#	34
45) diisopropyl ether	3.484	87	19363	1.051	ppbV		94
46) tert-butyl ethyl ether	3.717	59	50334	1.009	ppbV		97
48) 1,1,1-trichloroethane	3.920	97	33015	1.064	ppbV		96
49) 1,1-dichloropropene	4.076	75	27120	0.875	ppbV		96
50) benzene	4.133	78	55581	1.034	ppbV		99
51) thiophene	4.189	84	44044	0.898	ppbV		98
52) carbon tetrachloride	4.199	117	31807	1.033	ppbV		96
53) cyclohexane	4.265	56	25934	1.097	ppbV		94
54) tert-amyl methyl ether	4.444	73	52187	1.020	ppbV		95
55) dibromomethane	4.500	93	20448	1.003	ppbV		98
56) 1,2-dichloropropane	4.519	63	19924	1.019	ppbV		96
57) bromodichloromethane	4.613	83	33194	1.027	ppbV		98
58) 1,4-dioxane	4.670	88	11278	1.014	ppbV		93
59) trichloroethene	4.642	130	28898	1.158	ppbV		96
60) 2,2,4-trimethylpentane	4.689	57	84199	1.144	ppbV		98
61) methyl methacrylate	4.783	41	19649	1.003	ppbV		95
62) heptane	4.830	43	26617	1.109	ppbV		99
63) cis-1,3-dichloropropene	5.082	75	29092	1.054	ppbV		95
64) 4-methyl-2-pentanone	5.130	43	33357	1.068	ppbV		98
65) trans-1,3-dichloropropene	5.353	75	21405	1.014	ppbV		97
66) 1,1,2-trichloroethane	5.425	97	22649	0.980	ppbV		87

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.569	91	68198	1.062	ppbV		99
70) 2-methylthiophene	5.593	97	60947	0.901	ppbV		97
71) 1,3-dichloropropane	5.585	76	31813	1.027	ppbV		98
72) 2-hexanone	5.744	43	31498	1.065	ppbV		98
73) 3-methylthiophene	5.688	97	62968	0.892	ppbV		95
74) dibromochloromethane	5.760	129	35467	1.088	ppbV		97
75) 1,2-dibromoethane	5.880	107	32517	1.004	ppbV		97
76) butyl acetate	6.087	73	9929	1.110	ppbV		85
77) octane	6.119	85	22128	1.008	ppbV		89
78) tetrachloroethene	6.127	166	30264	1.047	ppbV		96
79) 1,1,1,2-tetrachloroethane	6.458	131	25203	0.965	ppbV		98
80) chlorobenzene	6.464	112	54337	1.080	ppbV		96
81) ethylbenzene	6.666	91	86062	1.043	ppbV		98
82) 2-ethylthiophene	6.682	97	70646	0.887	ppbV		97
83) m+p-xylene	6.758	91	140354	2.234	ppbV		94
84) bromoform	6.758	173	29167	0.980	ppbV		98
85) styrene	6.931	104	49722	1.001	ppbV		99
86) 1,1,2,2-tetrachloroethane	6.978	83	47640	1.007	ppbV		96
87) o-xylene	6.984	91	67719	1.075	ppbV		94
88) 1,2,3-trichloropropane	7.042	75	35717	0.989	ppbV		99
89) nonane	7.152	43	38492	1.021	ppbV		100
91) isopropylbenzene	7.292	105	93634	1.011	ppbV		97
92) bromobenzene	7.304	77	60194	1.022	ppbV		98
93) 2-chlorotoluene	7.520	126	22236	0.906	ppbV		99
94) n-propylbenzene	7.552	120	25536	0.957	ppbV		89
95) 4-chlorotoluene	7.560	126	24967	1.021	ppbV	#	56
96) 4-ethyl toluene	7.640	105	89050	1.044	ppbV		97
97) 1,3,5-trimethylbenzene	7.680	105	75581	1.044	ppbV		97
98) tert-butylbenzene	7.896	119	82252	0.976	ppbV		97
99) 1,2,4-trimethylbenzene	7.896	105	71228	0.952	ppbV		94
100) decane	7.999	57	49628	0.997	ppbV	#	98
101) Benzyl Chloride	7.951	91	55367	0.914	ppbV		97
102) 1,3-dichlorobenzene	7.959	146	52307	0.992	ppbV		93
103) 1,4-dichlorobenzene	7.999	146	53636	0.997	ppbV		96
104) sec-butylbenzene	8.047	105	114019	0.985	ppbV		100
105) 1,2,3-trimethylbenzene	8.127	105	79247	0.943	ppbV		99
106) p-isopropyltoluene	8.143	119	103336	0.963	ppbV		95
107) 1,2-dichlorobenzene	8.183	146	50422	0.997	ppbV		91
108) n-butylbenzene	8.382	91	87755	0.920	ppbV		94
109) indan	8.223	117	69291	1.002	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:08:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

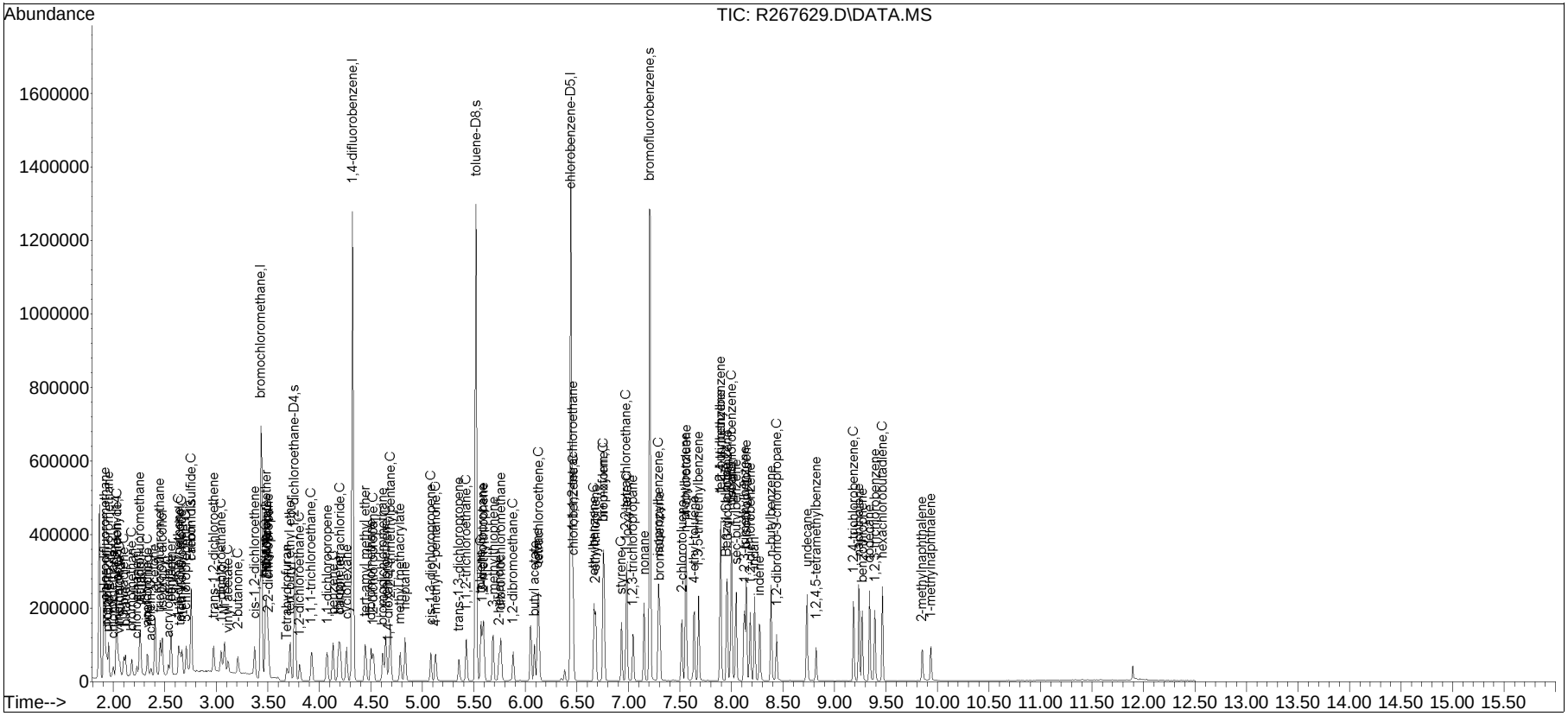
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	54909	0.946	ppbV	99
111) 1,2-dibromo-3-chloropr...	8.438	75	18748	0.756	ppbV	97
112) undecane	8.734	57	51910	0.790	ppbV #	96
113) 1,2,4,5-tetramethylben...	8.822	119	27907	0.625	ppbV #	96
114) dodecane	9.340	57	47982	0.620	ppbV	97
115) 1,2,4-trichlorobenzene	9.183	180	39441	0.757	ppbV	97
116) naphthalene	9.235	128	121488	0.894	ppbV	98
117) 1,2,3-trichlorobenzene	9.393	180	36020	0.630	ppbV	93
118) benzothiophene	9.270	134	85721	0.686	ppbV	98
119) hexachlorobutadiene	9.463	225	26883	0.731	ppbV #	90
120) 2-methylnaphthalene	9.849	142	26019	0.450	ppbV	98
121) 1-methylnaphthalene	9.937	142	27917	0.282	ppbV	97

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163114
ALS Vial : 6 Sample Multiplier: 1

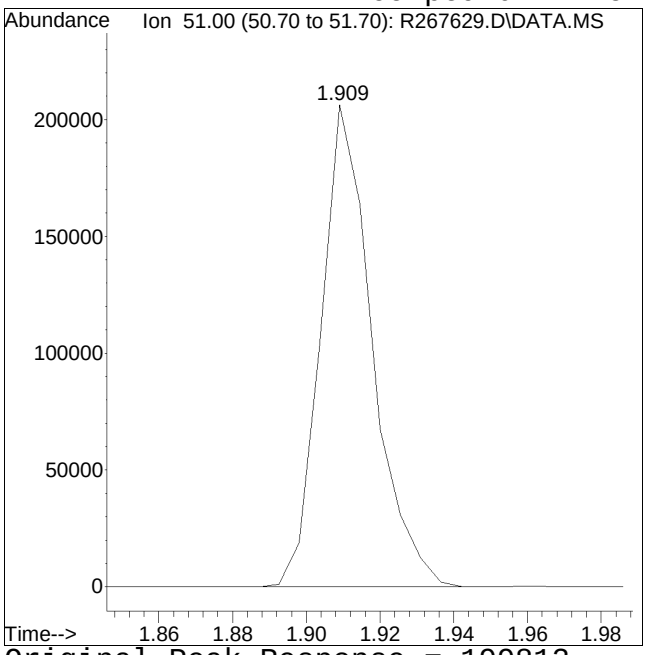
Quant Time: Jan 08 06:08:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



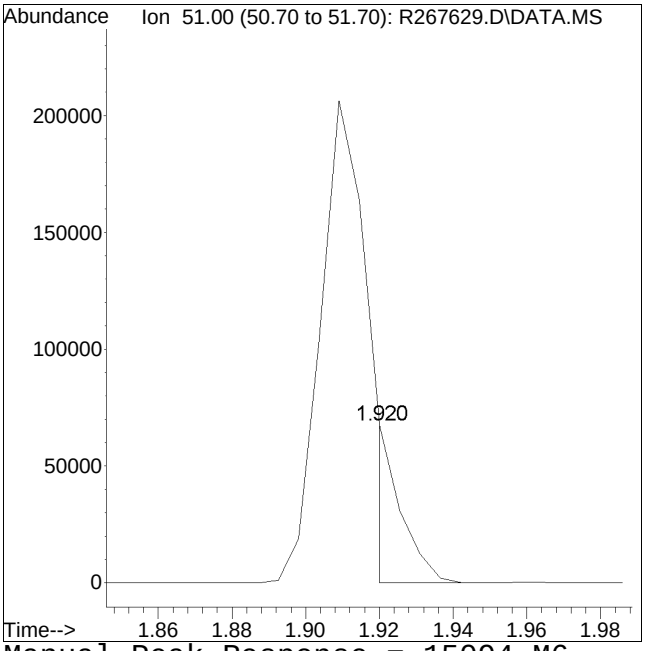
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:08 am

Compound #2: chlorodifluoromethane



Original Peak Response = 199812



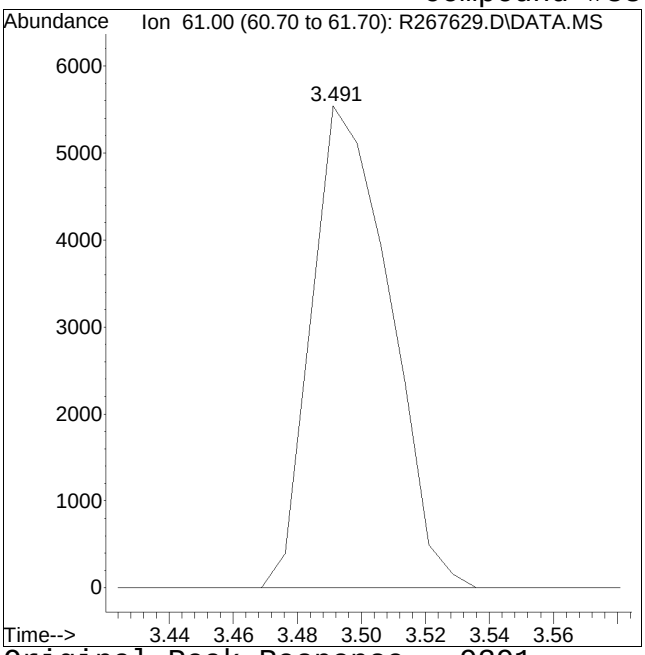
Manual Peak Response = 15094 M6

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

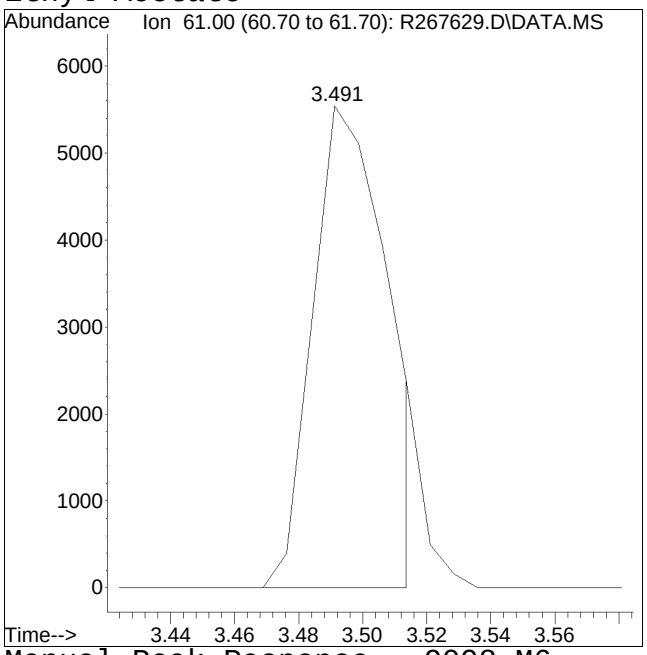
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:08 am

Compound #38: Ethyl Acetate



Original Peak Response = 9391



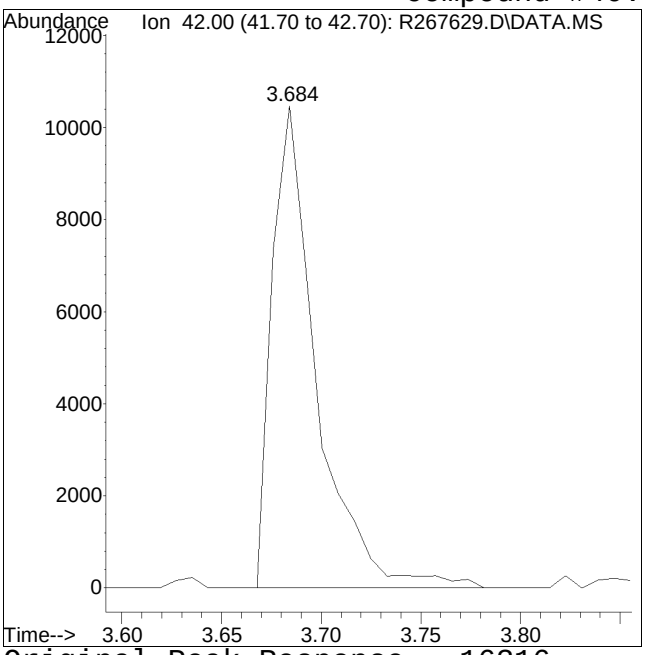
Manual Peak Response = 9098 M6

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

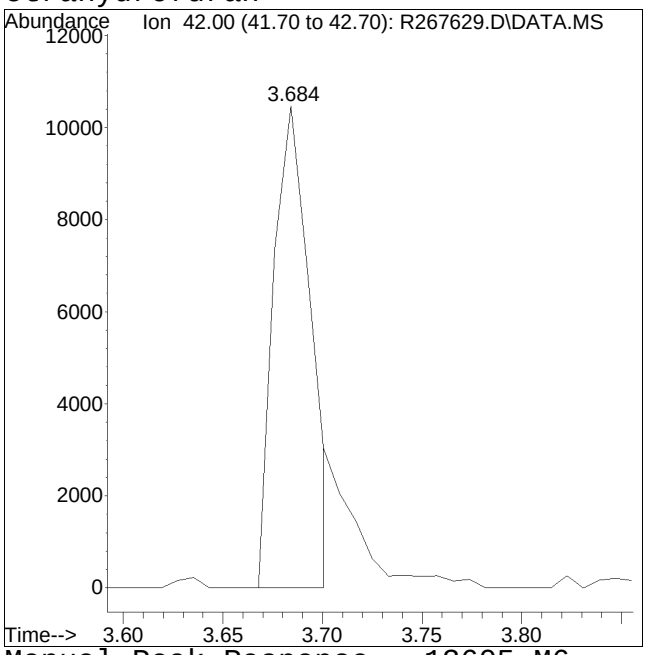
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:08 am

Compound #40: Tetrahydrofuran



Original Peak Response = 16316



Manual Peak Response = 13605 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:09:04 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	181819	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 102.40%			
43) 1,4-difluorobenzene	4.321	114	609796	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 102.78%			
67) chlorobenzene-D5	6.442	54	87662	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 101.92%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	133094	10.144	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.44%			
69) toluene-D8	5.521	98	540683	9.954	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
90) bromofluorobenzene	7.205	95	294334	9.851	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.51%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	92779M6	7.942	ppbV	
3) propylene	1.936	41	61125	5.150	ppbV	96
4) propane	1.942	29	34183	4.919	ppbV #	86
5) dichlorodifluoromethane	1.958	85	182346	5.111	ppbV	99
6) chloromethane	2.002	50	63142	5.017	ppbV	96
7) Freon-114	2.030	85	199060	5.133	ppbV	98
8) methanol	2.046	31	106022	25.678	ppbV	86
9) vinyl chloride	2.063	62	76756	5.298	ppbV	99
10) 1,3-butadiene	2.101	54	49524	5.203	ppbV	98
11) butane	2.118	43	93675	5.086	ppbV	99
12) acetaldehyde	2.035	29	148056	25.915	ppbV	100
13) bromomethane	2.178	94	70381	5.114	ppbV	100
14) chloroethane	2.228	64	42549	5.084	ppbV	97
15) ethanol	2.260	31	183416	26.197	ppbV	96
16) dichlorofluoromethane	2.255	67	183290	5.165	ppbV	97
17) vinyl bromide	2.333	106	70828	5.186	ppbV	99
18) acrolein	2.367	56	34531	5.187	ppbV	95
19) acetone	2.401	43	400243	26.370	ppbV	100
20) acetonitrile	2.327	41	63158	5.802	ppbV	98
21) trichlorofluoromethane	2.458	101	166275	5.116	ppbV	99
22) isopropyl alcohol	2.469	45	212806	12.737	ppbV	99
23) acrylonitrile	2.531	53	61589	5.022	ppbV	97
24) pentane	2.560	43	120645	5.825	ppbV	99

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:09:04 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	2.560	31	55374	5.203	ppbV		96
26) 1,1-dichloroethene	2.637	61	104345	5.182	ppbV		98
27) tertiary butyl alcohol	2.646	59	131668	4.999	ppbV		98
28) methylene chloride	2.670	49	66656	5.102	ppbV		98
29) 3-chloropropene	2.703	41	67311	5.215	ppbV		96
30) carbon disulfide	2.756	76	197849	5.126	ppbV		96
31) Freon 113	2.756	101	149240	5.148	ppbV		99
32) trans-1,2-dichloroethene	2.973	61	90127	5.128	ppbV		96
33) 1,1-dichloroethane	3.044	63	122556	5.036	ppbV		100
34) MTBE	3.080	73	178271	4.853	ppbV		99
35) vinyl acetate	3.111	43	123359	4.722	ppbV		97
36) 2-butanone	3.204	43	141480	4.915	ppbV		100
37) cis-1,2-dichloroethene	3.372	61	103521	5.034	ppbV		96
38) Ethyl Acetate	3.484	61	26452M6	3.154	ppbV		
39) chloroform	3.491	83	155555	5.129	ppbV		99
40) Tetrahydrofuran	3.668	42	61245M6	4.782	ppbV		
41) 2,2-dichloropropane	3.506	77	130124	5.034	ppbV		99
42) 1,2-dichloroethane	3.806	62	90523	4.969	ppbV		97
44) hexane	3.476	57	110689	5.217	ppbV	#	65
45) diisopropyl ether	3.484	87	87312	4.931	ppbV		93
46) tert-butyl ethyl ether	3.708	59	242258	5.051	ppbV		99
48) 1,1,1-trichloroethane	3.929	97	149880	5.025	ppbV		99
49) 1,1-dichloropropene	4.076	75	128424	4.309	ppbV		98
50) benzene	4.133	78	255516	4.944	ppbV		99
51) thiophene	4.189	84	238318	5.055	ppbV		99
52) carbon tetrachloride	4.199	117	144871	4.894	ppbV		96
53) cyclohexane	4.264	56	113985	5.013	ppbV		99
54) tert-amyl methyl ether	4.444	73	247102	5.024	ppbV		98
55) dibromomethane	4.500	93	98355	5.016	ppbV		94
56) 1,2-dichloropropane	4.519	63	90307	4.805	ppbV		99
57) bromodichloromethane	4.613	83	153305	4.931	ppbV		99
58) 1,4-dioxane	4.660	88	50570	4.729	ppbV		97
59) trichloroethene	4.641	130	120176	5.007	ppbV		99
60) 2,2,4-trimethylpentane	4.689	57	355799	5.030	ppbV		100
61) methyl methacrylate	4.783	41	93360	4.954	ppbV		99
62) heptane	4.830	43	113643	4.924	ppbV		97
63) cis-1,3-dichloropropene	5.082	75	130194	4.906	ppbV		96
64) 4-methyl-2-pentanone	5.122	43	150226	5.004	ppbV		98
65) trans-1,3-dichloropropene	5.353	75	100263	4.938	ppbV		99
66) 1,1,2-trichloroethane	5.425	97	111295	5.008	ppbV		99

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:09:04 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.569	91	322095	5.145	ppbV		98
70) 2-methylthiophene	5.592	97	341671	5.184	ppbV		99
71) 1,3-dichloropropane	5.584	76	157976	5.229	ppbV		98
72) 2-hexanone	5.736	43	145418	5.044	ppbV		97
73) 3-methylthiophene	5.680	97	353924	5.143	ppbV		98
74) dibromochloromethane	5.760	129	155625	4.896	ppbV		97
75) 1,2-dibromoethane	5.880	107	160579	5.083	ppbV		99
76) butyl acetate	6.079	73	46218	5.302	ppbV		99
77) octane	6.119	85	104748	4.894	ppbV		96
78) tetrachloroethene	6.127	166	145066	5.148	ppbV		98
79) 1,1,1,2-tetrachloroethane	6.458	131	127479	5.007	ppbV		98
80) chlorobenzene	6.458	112	249105	5.077	ppbV		99
81) ethylbenzene	6.666	91	416158	5.174	ppbV		98
82) 2-ethylthiophene	6.682	97	403443	5.196	ppbV		98
83) m+p-xylene	6.753	91	642682	10.492	ppbV		95
84) bromoform	6.753	173	143470	4.946	ppbV		98
85) styrene	6.931	104	246585	5.092	ppbV		98
86) 1,1,2,2-tetrachloroethane	6.978	83	235385	5.103	ppbV		99
87) o-xylene	6.984	91	314258	5.117	ppbV		99
88) 1,2,3-trichloropropane	7.042	75	183495	5.211	ppbV		97
89) nonane	7.152	43	191389	5.205	ppbV		94
91) isopropylbenzene	7.292	105	458163	5.075	ppbV		99
92) bromobenzene	7.304	77	294609	5.130	ppbV		100
93) 2-chlorotoluene	7.512	126	117498	4.909	ppbV		94
94) n-propylbenzene	7.552	120	137119	5.273	ppbV		89
95) 4-chlorotoluene	7.560	126	123661	5.187	ppbV	#	46
96) 4-ethyl toluene	7.632	105	431328	5.189	ppbV		98
97) 1,3,5-trimethylbenzene	7.680	105	363211	5.147	ppbV		99
98) tert-butylbenzene	7.887	119	423399	5.154	ppbV		99
99) 1,2,4-trimethylbenzene	7.895	105	375023	5.141	ppbV		98
100) decane	7.999	57	251709	5.185	ppbV		98
101) Benzyl Chloride	7.951	91	304297	5.155	ppbV		97
102) 1,3-dichlorobenzene	7.951	146	260197	5.064	ppbV		98
103) 1,4-dichlorobenzene	7.991	146	265922	5.068	ppbV		99
104) sec-butylbenzene	8.039	105	577832	5.120	ppbV		100
105) 1,2,3-trimethylbenzene	8.119	105	422476	5.156	ppbV		98
106) p-isopropyltoluene	8.143	119	550521	5.263	ppbV		99
107) 1,2-dichlorobenzene	8.183	146	253150	5.134	ppbV		94
108) n-butylbenzene	8.382	91	481791	5.180	ppbV		98
109) indan	8.223	117	343874	5.102	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:09:04 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

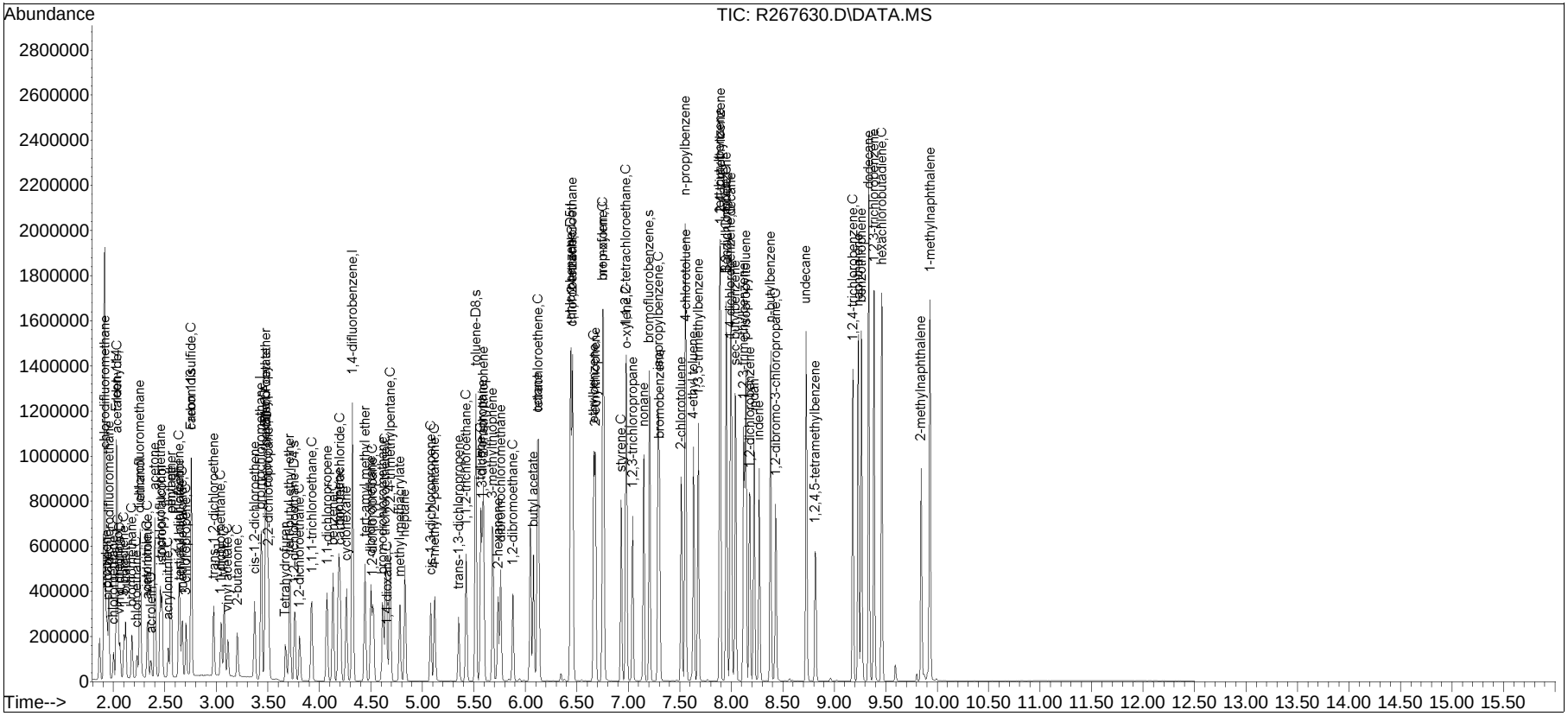
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	287952	5.090	ppbV	97
111) 1,2-dibromo-3-chloropr...	8.430	75	121659	5.032	ppbV	96
112) undecane	8.726	57	328345	5.128	ppbV	99
113) 1,2,4,5-tetramethylben...	8.813	119	220441	5.064	ppbV	98
114) dodecane	9.335	57	424185	5.625	ppbV	99
115) 1,2,4-trichlorobenzene	9.183	180	254352	5.006	ppbV	99
116) naphthalene	9.235	128	695623	5.251	ppbV	100
117) 1,2,3-trichlorobenzene	9.387	180	295014	5.290	ppbV	99
118) benzothiophene	9.264	134	626311	5.140	ppbV	100
119) hexachlorobutadiene	9.463	225	179745	5.015	ppbV	99
120) 2-methylnaphthalene	9.843	142	256392	4.544	ppbV	100
121) 1-methylnaphthalene	9.931	142	478010	4.951	ppbV	100

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

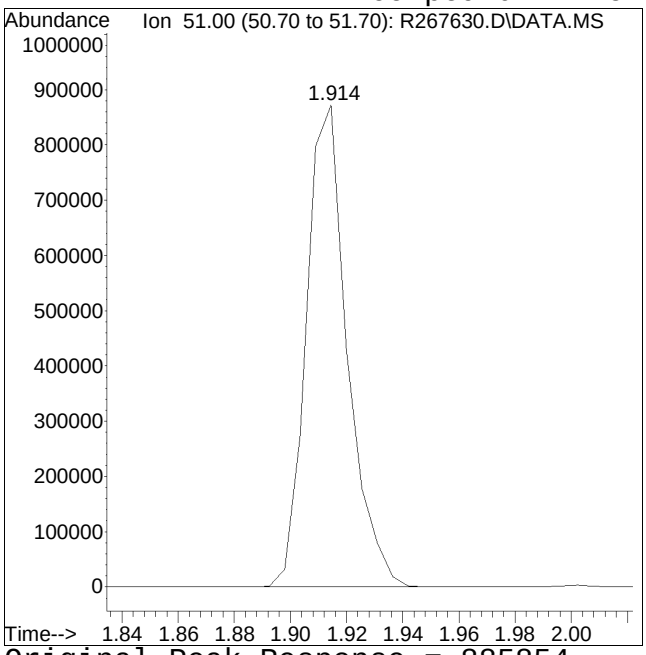
Quant Time: Jan 08 06:09:04 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



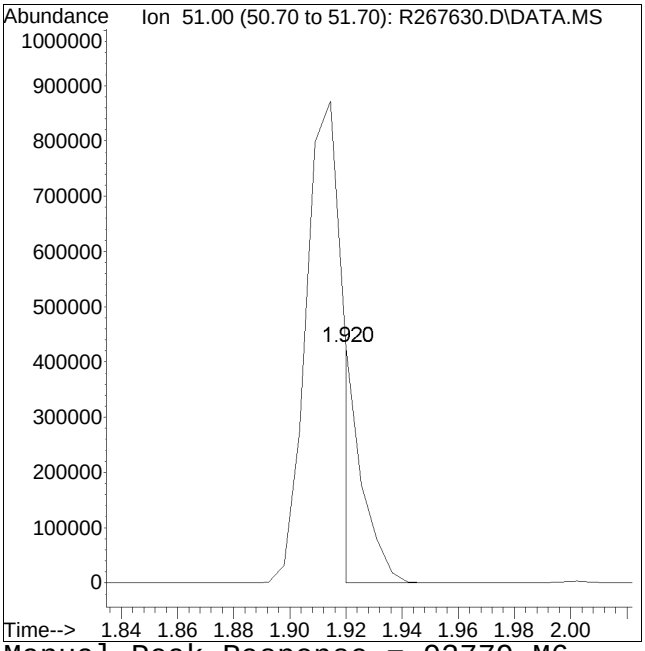
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:09 am

Compound #2: chlorodifluoromethane



Original Peak Response = 885854



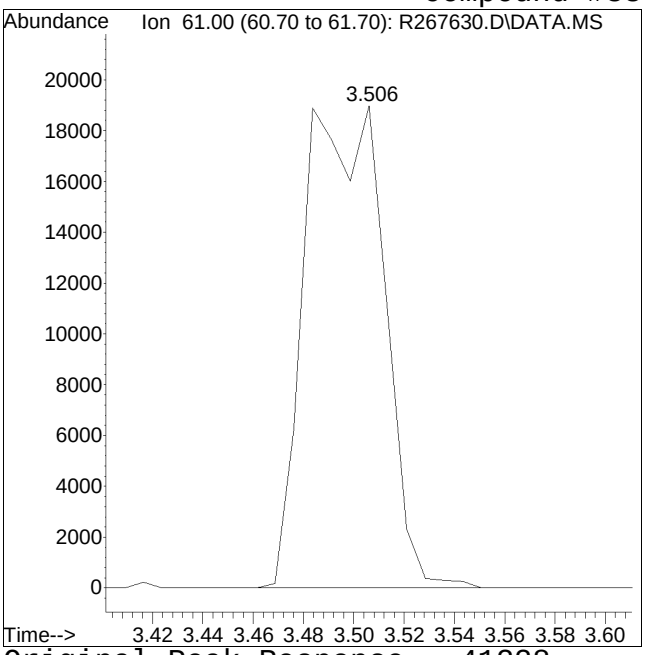
Manual Peak Response = 92779 M6

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

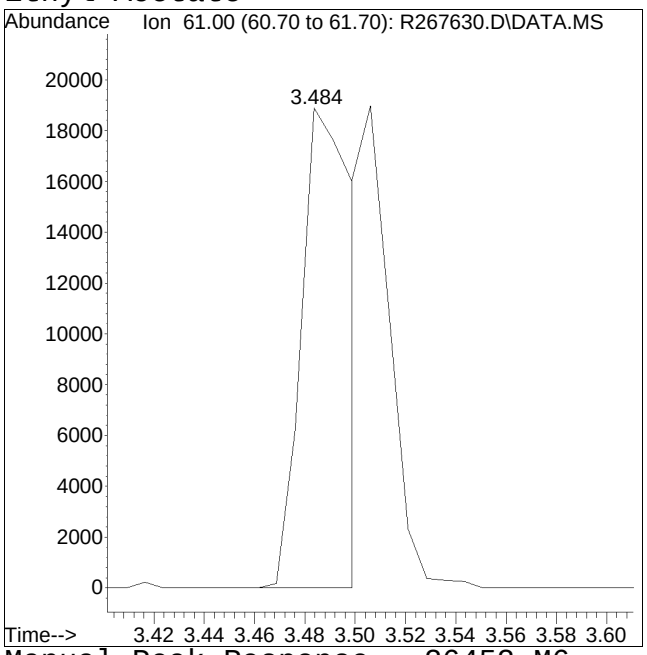
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:09 am

Compound #38: Ethyl Acetate



Original Peak Response = 41228



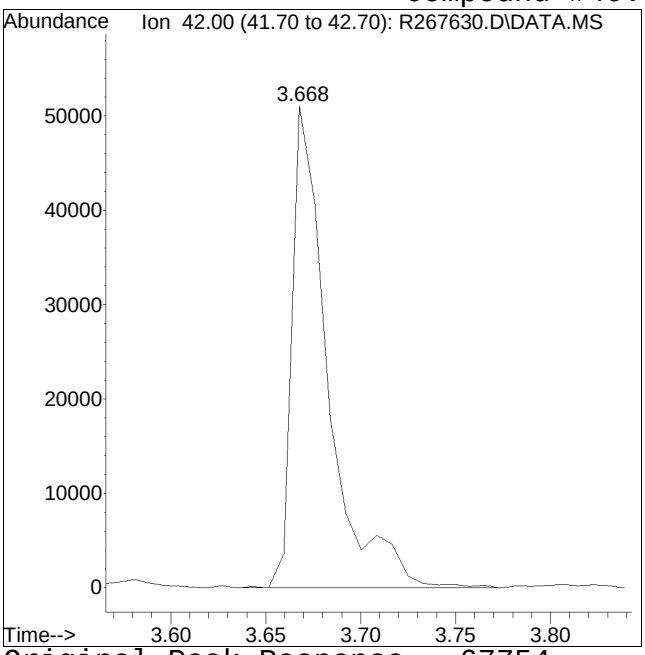
Manual Peak Response = 26452 M6

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

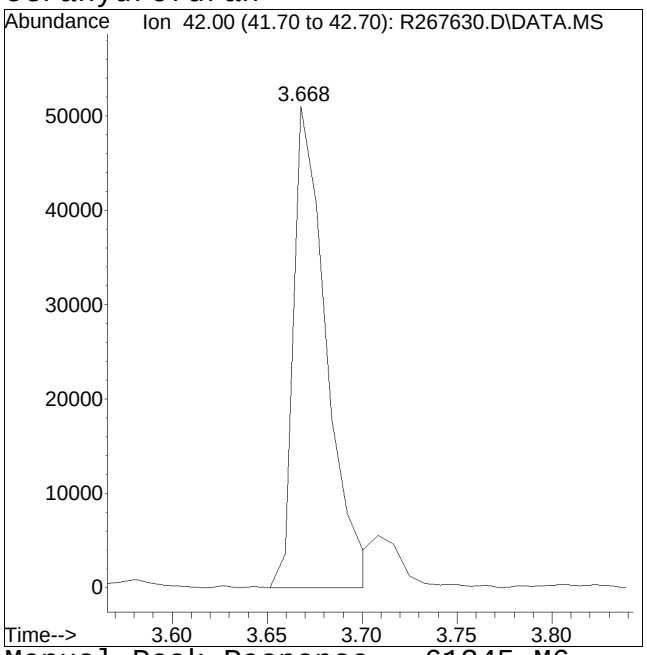
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:09 am

Compound #40: Tetrahydrofuran



Original Peak Response = 67754



Manual Peak Response = 61245 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:05:00 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:40:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	177551	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 100.00%			
43) 1,4-difluorobenzene	4.321	114	593282	10.000	ppbV	# 0.00
Standard Area = 593282			Recovery = 100.00%			
67) chlorobenzene-D5	6.442	54	86013	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 100.00%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	127650	10.910	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.10%			
69) toluene-D8	5.521	98	532961	9.795	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.95%			
90) bromofluorobenzene	7.205	95	293161	9.445	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.45%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	114083M6	0.495	ppbV	
3) propylene	1.931	41	115911	5.899	ppbV	99
4) propane	1.942	29	67867	6.200	ppbV	98
5) dichlorodifluoromethane	1.953	85	348404	6.015	ppbV	98
6) chloromethane	1.997	50	122906	5.367	ppbV	99
7) Freon-114	2.030	85	378702	5.551	ppbV	97
8) methanol	2.041	31	201598	31.956	ppbV	96
9) vinyl chloride	2.063	62	141484	5.397	ppbV	99
10) 1,3-butadiene	2.101	54	92951	5.136	ppbV	99
11) butane	2.118	43	179851	5.685	ppbV	96
12) acetaldehyde	2.030	29	278955	34.924	ppbV	98
13) bromomethane	2.178	94	134388	5.666	ppbV	100
14) chloroethane	2.228	64	81735	5.862	ppbV	96
15) ethanol	2.261	31	341855	36.188	ppbV	92
16) dichlorofluoromethane	2.255	67	346569	6.113	ppbV	97
17) vinyl bromide	2.328	106	133381	5.582	ppbV	97
18) acrolein	2.362	56	65014	6.555	ppbV	98
19) acetone	2.396	43	741087	33.239	ppbV	98
20) acetonitrile	2.322	41	106296	6.719	ppbV	93
21) trichlorofluoromethane	2.452	101	317403	7.129	ppbV	98
22) isopropyl alcohol	2.469	45	407881	16.950	ppbV	100
23) acrylonitrile	2.531	53	119767	7.776	ppbV	100
24) pentane	2.554	43	202243	7.280	ppbV	96

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:05:00 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:40:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	2.560	31	103927	9.423	ppbV		84
26) 1,1-dichloroethene	2.632	61	196629	7.813	ppbV		99
27) tertiary butyl alcohol	2.642	59	257206	7.950	ppbV		97
28) methylene chloride	2.665	49	127589	8.640	ppbV		89
29) 3-chloropropene	2.704	41	126042	9.112	ppbV		87
30) carbon disulfide	2.756	76	376911	8.146	ppbV		98
31) Freon 113	2.751	101	283112	7.561	ppbV		95
32) trans-1,2-dichloroethene	2.969	61	171635	8.101	ppbV		96
33) 1,1-dichloroethane	3.044	63	237657	7.991	ppbV		99
34) MTBE	3.075	73	358723	7.830	ppbV		97
35) vinyl acetate	3.111	43	255085	9.028	ppbV		95
36) 2-butanone	3.199	43	281083	10.818	ppbV		95
37) cis-1,2-dichloroethene	3.372	61	200824	9.573	ppbV		95
38) Ethyl Acetate	3.484	61	45978M6	5.458	ppbV		
39) chloroform	3.491	83	296172	8.748	ppbV		98
40) Tetrahydrofuran	3.668	42	125067	10.244	ppbV		92
41) 2,2-dichloropropane	3.506	77	252419	8.577	ppbV		95
42) 1,2-dichloroethane	3.806	62	177897	8.920	ppbV		97
44) hexane	3.476	57	206410	10.302	ppbV		97
45) diisopropyl ether	3.476	87	172289	11.389	ppbV		83
46) tert-butyl ethyl ether	3.709	59	466661	11.840	ppbV		97
48) 1,1,1-trichloroethane	3.921	97	290185	10.245	ppbV		99
49) 1,1-dichloropropene	4.067	75	289933	11.274	ppbV	#	93
50) benzene	4.133	78	502864	10.029	ppbV		94
51) thiophene	4.189	84	458726	10.766	ppbV		91
52) carbon tetrachloride	4.199	117	287982	9.555	ppbV		100
53) cyclohexane	4.265	56	221214	10.215	ppbV		93
54) tert-amyl methyl ether	4.444	73	478536	10.147	ppbV		96
55) dibromomethane	4.500	93	190778	9.751	ppbV		97
56) 1,2-dichloropropane	4.519	63	182853	10.206	ppbV		96
57) bromodichloromethane	4.613	83	302465	9.639	ppbV		100
58) 1,4-dioxane	4.651	88	104033	9.174	ppbV		99
59) trichloroethene	4.642	130	233524	9.324	ppbV		99
60) 2,2,4-trimethylpentane	4.689	57	688247	9.873	ppbV		96
61) methyl methacrylate	4.774	41	183349	11.077	ppbV		86
62) heptane	4.830	43	224536	10.445	ppbV		91
63) cis-1,3-dichloropropene	5.082	75	258206	9.212	ppbV	#	94
64) 4-methyl-2-pentanone	5.114	43	292102	9.902	ppbV		95
65) trans-1,3-dichloropropene	5.353	75	197537	9.129	ppbV		95
66) 1,1,2-trichloroethane	5.425	97	216232	9.149	ppbV		99

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:05:00 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:40:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) toluene	5.569	91	614253	9.138	ppbV	97
70) 2-methylthiophene	5.593	97	646726	10.216	ppbV	99
71) 1,3-dichloropropane	5.585	76	296422	9.452	ppbV	90
72) 2-hexanone	5.728	43	282897	11.392	ppbV	99
73) 3-methylthiophene	5.680	97	675242	10.345	ppbV	100
74) dibromochloromethane	5.760	129	311882	9.111	ppbV	99
75) 1,2-dibromoethane	5.880	107	309966	8.868	ppbV	98
76) butyl acetate	6.079	73	85536	9.488	ppbV	81
77) octane	6.119	85	210005	10.003	ppbV	91
78) tetrachloroethene	6.127	166	276466	8.961	ppbV	93
79) 1,1,1,2-tetrachloroethane	6.458	131	249837	9.328	ppbV	98
80) chlorobenzene	6.464	112	481406	8.939	ppbV	98
81) ethylbenzene	6.666	91	789230	9.001	ppbV	97
82) 2-ethylthiophene	6.682	97	761872	10.005	ppbV	95
83) m+p-xylene	6.758	91	1202001	18.099	ppbV	95
84) bromoform	6.753	173	284607	8.615	ppbV	99
85) styrene	6.931	104	475111	8.950	ppbV	97
86) 1,1,2,2-tetrachloroethane	6.978	83	452571	8.432	ppbV	100
87) o-xylene	6.984	91	602582	8.827	ppbV	100
88) 1,2,3-trichloropropane	7.042	75	345539	8.975	ppbV	98
89) nonane	7.147	43	360793	10.016	ppbV	97
91) isopropylbenzene	7.292	105	885798	9.233	ppbV	98
92) bromobenzene	7.304	77	563434	8.971	ppbV	94
93) 2-chlorotoluene	7.512	126	234843	9.308	ppbV	96
94) n-propylbenzene	7.552	120	255150	9.145	ppbV	76
95) 4-chlorotoluene	7.552	126	233930	9.102	ppbV	78
96) 4-ethyl toluene	7.632	105	815677	8.778	ppbV	99
97) 1,3,5-trimethylbenzene	7.680	105	692407	9.132	ppbV	99
98) tert-butylbenzene	7.888	119	806013	9.241	ppbV	100
99) 1,2,4-trimethylbenzene	7.896	105	715814	8.974	ppbV	98
100) decane	7.999	57	476342	9.324	ppbV	96
101) Benzyl Chloride	7.951	91	579194	8.340	ppbV	99
102) 1,3-dichlorobenzene	7.951	146	504155	8.558	ppbV	93
103) 1,4-dichlorobenzene	7.991	146	514849	8.605	ppbV	95
104) sec-butylbenzene	8.039	105	1107325	8.983	ppbV	100
105) 1,2,3-trimethylbenzene	8.119	105	803986	9.221	ppbV	100
106) p-isopropyltoluene	8.143	119	1026385	9.042	ppbV	100
107) 1,2-dichlorobenzene	8.175	146	483801	8.404	ppbV	95
108) n-butylbenzene	8.383	91	912629	8.968	ppbV	97
109) indan	8.223	117	661340	8.527	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:05:00 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:40:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

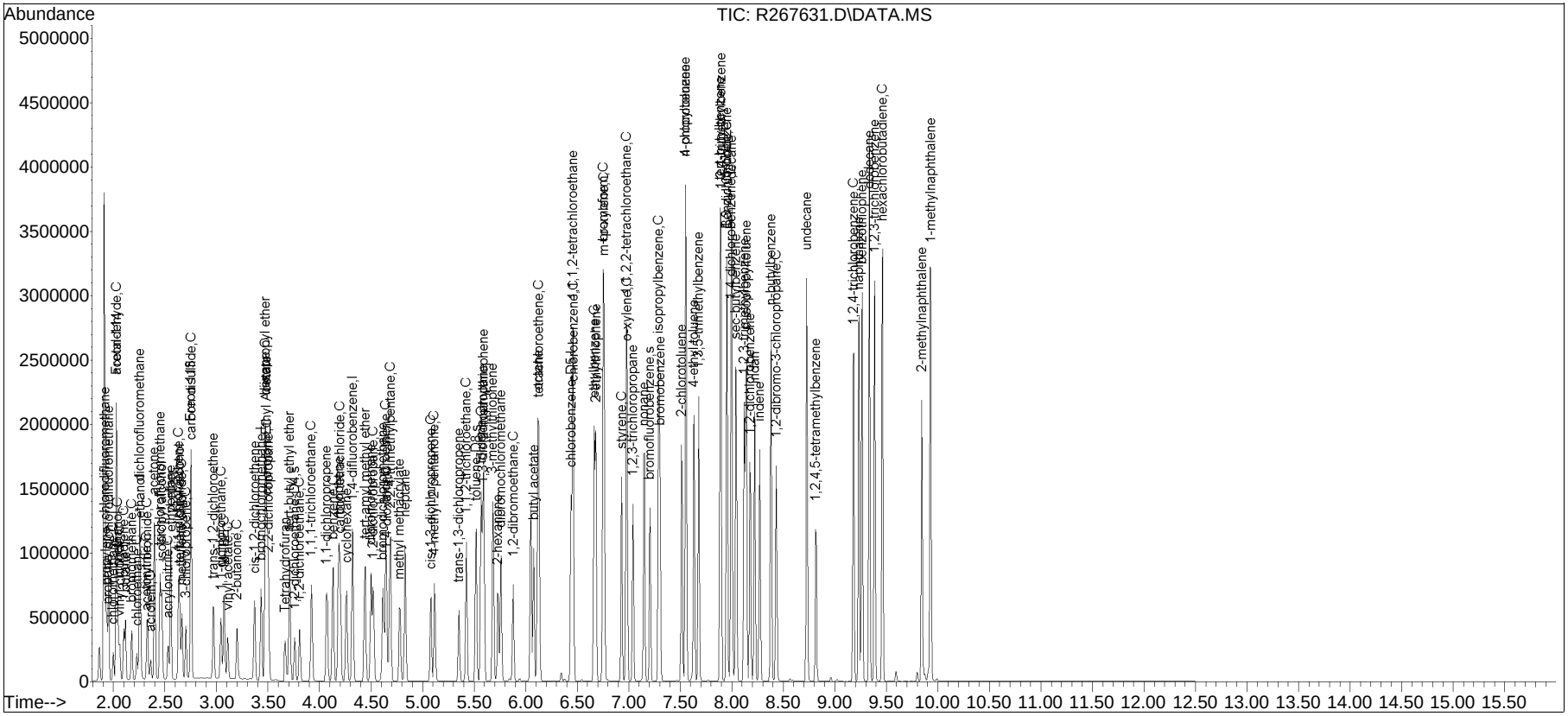
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	555040	8.546	ppbV	99
111) 1,2-dibromo-3-chloropr...	8.430	75	237236	9.616	ppbV	97
112) undecane	8.726	57	628265	9.972	ppbV	96
113) 1,2,4,5-tetramethylben...	8.814	119	427138	11.357	ppbV	99
114) dodecane	9.335	57	739942	10.295	ppbV	96
115) 1,2,4-trichlorobenzene	9.183	180	498517	8.882	ppbV	92
116) naphthalene	9.235	128	1299779	9.229	ppbV	100
117) 1,2,3-trichlorobenzene	9.387	180	547204	9.539	ppbV	97
118) benzothiophene	9.265	134	1195503	10.613	ppbV	98
119) hexachlorobutadiene	9.463	225	351663	9.122	ppbV	99
120) 2-methylnaphthalene	9.843	142	553590	10.411	ppbV	98
121) 1-methylnaphthalene	9.931	142	947304	14.289	ppbV	98

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163114
ALS Vial : 7 Sample Multiplier: 1

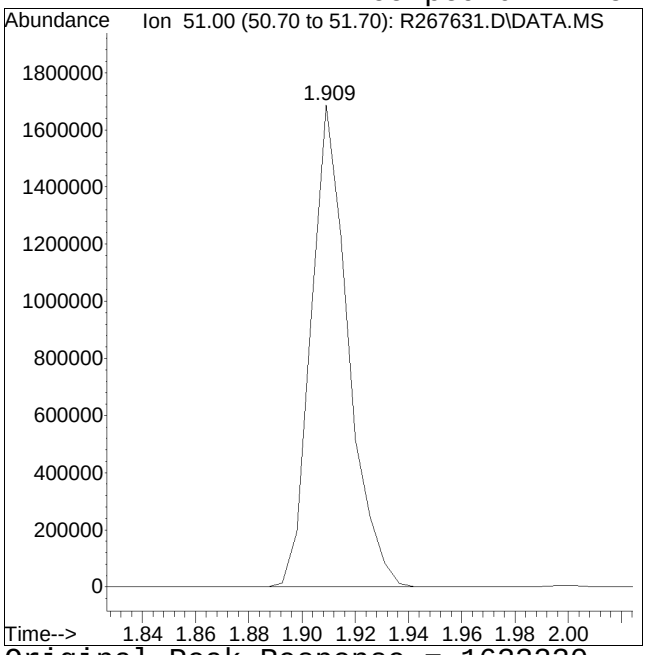
Quant Time: Jan 08 06:05:00 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:40:11 2026
Response via : Initial Calibration



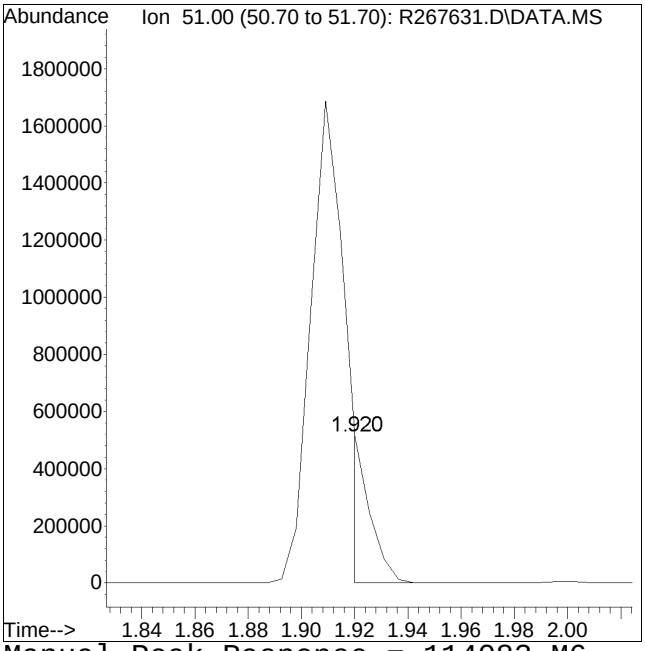
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:05 am

Compound #2: chlorodifluoromethane



Original Peak Response = 1633230



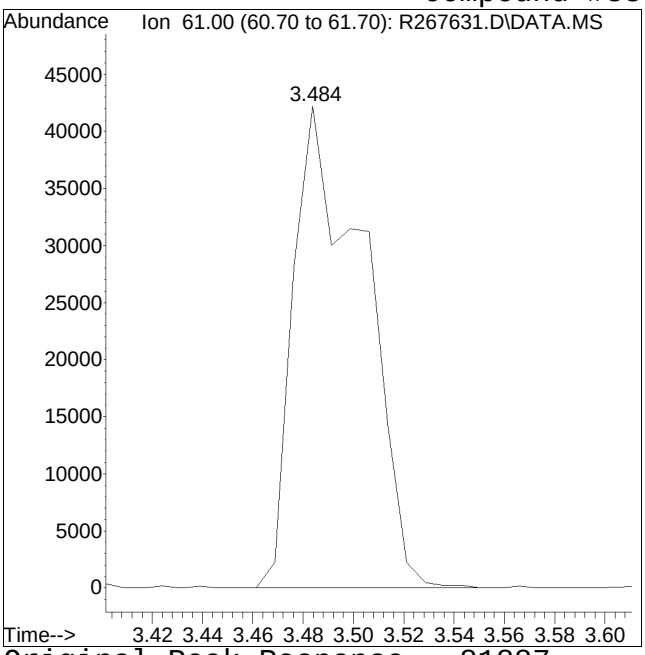
Manual Peak Response = 114083 M6

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

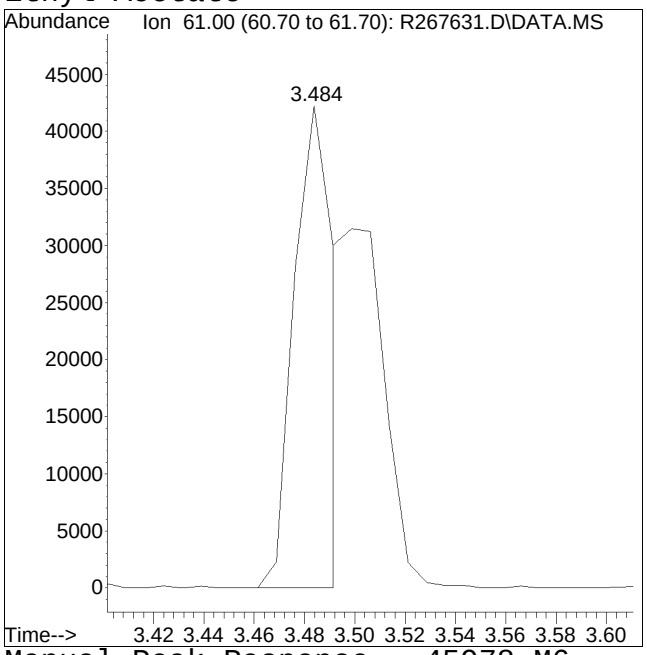
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:05 am

Compound #38: Ethyl Acetate



Original Peak Response = 81887



Manual Peak Response = 45978 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.432	49	172620	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 97.22%			
43) 1,4-difluorobenzene	4.321	114	572788	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 96.55%			
67) chlorobenzene-D5	6.436	54	82841	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 96.31%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	124505	10.103	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.03%			
69) toluene-D8	5.521	98	507570	9.888	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.88%			
90) bromofluorobenzene	7.205	95	272634	9.656	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.56%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	178687M6	16.110	ppbV	
3) propylene	1.931	41	223124	19.799	ppbV	100
4) propane	1.937	29	125731	19.055	ppbV #	64
5) dichlorodifluoromethane	1.953	85	655243	19.344	ppbV	99
6) chloromethane	1.997	50	225781	18.895	ppbV	99
7) Freon-114	2.030	85	716034	19.448	ppbV	97
8) methanol	2.041	31	325965	83.155	ppbV	96
9) vinyl chloride	2.063	62	276216	20.080	ppbV	98
10) 1,3-butadiene	2.101	54	188894	20.902	ppbV	100
11) butane	2.118	43	334371	19.123	ppbV	98
12) acetaldehyde	2.030	29	481733	88.813	ppbV	98
13) bromomethane	2.178	94	264691	20.259	ppbV	99
14) chloroethane	2.228	64	156127	19.647	ppbV	98
15) ethanol	2.255	31	650725	97.894	ppbV	100
16) dichlorofluoromethane	2.250	67	650453	19.304	ppbV	98
17) vinyl bromide	2.328	106	308581	23.796	ppbV	98
18) acrolein	2.362	56	128731	20.366	ppbV	97
19) acetone	2.396	43	1440251	99.947	ppbV	98
20) acetonitrile	2.322	41	206868	20.017	ppbV	95
21) trichlorofluoromethane	2.452	101	608052	19.704	ppbV	99
22) isopropyl alcohol	2.469	45	898678	56.656	ppbV	100
23) acrylonitrile	2.531	53	237369	20.385	ppbV	99
24) pentane	2.554	43	421837	21.454	ppbV	98

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) ethyl ether	2.554	31	206478	20.435	ppbV	99
26) 1,1-dichloroethene	2.632	61	384201	20.098	ppbV	99
27) tertiary butyl alcohol	2.642	59	569739	22.784	ppbV	99
28) methylene chloride	2.665	49	248310	20.018	ppbV	99
29) 3-chloropropene	2.704	41	256003	20.891	ppbV	97
30) carbon disulfide	2.751	76	755926	20.629	ppbV	98
31) Freon 113	2.751	101	544899	19.797	ppbV	100
32) trans-1,2-dichloroethene	2.969	61	382956	22.950	ppbV	96
33) 1,1-dichloroethane	3.044	63	512547	22.183	ppbV	99
34) MTBE	3.071	73	748827	21.471	ppbV	98
35) vinyl acetate	3.106	43	574942	23.183	ppbV	97
36) 2-butanone	3.195	43	569510	20.840	ppbV	99
37) cis-1,2-dichloroethene	3.372	61	395537	20.258	ppbV	99
38) Ethyl Acetate	3.484	61	93316M6	11.721	ppbV	
39) chloroform	3.491	83	568653	19.749	ppbV	98
40) Tetrahydrofuran	3.660	42	249883	20.551	ppbV	100
41) 2,2-dichloropropane	3.506	77	479201	19.527	ppbV	99
42) 1,2-dichloroethane	3.806	62	344189	19.900	ppbV	98
44) hexane	3.476	57	418399	20.996	ppbV	91
45) diisopropyl ether	3.476	87	326146	19.607	ppbV	98
46) tert-butyl ethyl ether	3.709	59	878105	19.490	ppbV	98
48) 1,1,1-trichloroethane	3.921	97	577579	20.616	ppbV	100
49) 1,1-dichloropropene	4.067	75	560284	20.016	ppbV	99
50) benzene	4.133	78	967621	19.931	ppbV	99
51) thiophene	4.189	84	763036	17.229	ppbV	97
52) carbon tetrachloride	4.199	117	562246	20.222	ppbV	99
53) cyclohexane	4.265	56	441106	20.654	ppbV	96
54) tert-amyl methyl ether	4.444	73	918927	19.890	ppbV	98
55) dibromomethane	4.500	93	361959	19.652	ppbV	100
56) 1,2-dichloropropane	4.519	63	346191	19.610	ppbV	98
57) bromodichloromethane	4.613	83	615411	21.075	ppbV	99
58) 1,4-dioxane	4.642	88	223439	22.246	ppbV	92
59) trichloroethene	4.642	130	443160	19.656	ppbV	98
60) 2,2,4-trimethylpentane	4.689	57	1348645	20.296	ppbV	99
61) methyl methacrylate	4.774	41	357560	20.199	ppbV	100
62) heptane	4.830	43	443687	20.467	ppbV	99
63) cis-1,3-dichloropropene	5.082	75	526916	21.137	ppbV	99
64) 4-methyl-2-pentanone	5.114	43	576163	20.430	ppbV	97
65) trans-1,3-dichloropropene	5.353	75	412010	21.604	ppbV	99
66) 1,1,2-trichloroethane	5.425	97	415817	19.918	ppbV	99

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.569	91	1174753	19.857	ppbV		100
70) 2-methylthiophene	5.593	97	1022413	16.414	ppbV		99
71) 1,3-dichloropropane	5.585	76	562023	19.686	ppbV		99
72) 2-hexanone	5.728	43	558283	20.490	ppbV		98
73) 3-methylthiophene	5.680	97	1083651	16.663	ppbV		98
74) dibromochloromethane	5.760	129	638238	21.248	ppbV		99
75) 1,2-dibromoethane	5.880	107	622916	20.866	ppbV		98
76) butyl acetate	6.079	73	167604	20.345	ppbV		92
77) octane	6.119	85	392158	19.389	ppbV		97
78) tetrachloroethene	6.127	166	538598	20.227	ppbV		99
79) 1,1,1,2-tetrachloroethane	6.458	131	483611	20.098	ppbV		99
80) chlorobenzene	6.464	112	935772	20.183	ppbV		100
81) ethylbenzene	6.666	91	1499105	19.722	ppbV		97
82) 2-ethylthiophene	6.682	97	1221966	16.653	ppbV		100
83) m+p-xylene	6.759	91	2268912	39.198	ppbV		99
84) bromoform	6.753	173	609282	22.228	ppbV		98
85) styrene	6.931	104	935384	20.442	ppbV		99
86) 1,1,2,2-tetrachloroethane	6.978	83	890093	20.421	ppbV		100
87) o-xylene	6.984	91	1141406	19.667	ppbV		100
88) 1,2,3-trichloropropane	7.042	75	657761	19.765	ppbV		99
89) nonane	7.153	43	680598	19.586	ppbV	#	96
91) isopropylbenzene	7.292	105	1626155	19.061	ppbV		98
92) bromobenzene	7.304	77	1058707	19.510	ppbV		99
93) 2-chlorotoluene	7.512	126	446622	19.746	ppbV		99
94) n-propylbenzene	7.552	120	494446	20.121	ppbV		78
95) 4-chlorotoluene	7.552	126	443557	19.687	ppbV		81
96) 4-ethyl toluene	7.632	105	1591387	20.257	ppbV		98
97) 1,3,5-trimethylbenzene	7.680	105	1322709	19.835	ppbV		97
98) tert-butylbenzene	7.888	119	1484163	19.119	ppbV		98
99) 1,2,4-trimethylbenzene	7.896	105	1368899	19.856	ppbV		99
100) decane	7.999	57	874894	19.070	ppbV		100
101) Benzyl Chloride	7.951	91	1260884	22.603	ppbV		99
102) 1,3-dichlorobenzene	7.951	146	993469	20.460	ppbV		99
103) 1,4-dichlorobenzene	7.991	146	997425	20.115	ppbV		98
104) sec-butylbenzene	8.039	105	2004093	18.792	ppbV		96
105) 1,2,3-trimethylbenzene	8.119	105	1505482	19.442	ppbV		98
106) p-isopropyltoluene	8.143	119	1882434	19.043	ppbV		97
107) 1,2-dichlorobenzene	8.175	146	961299	20.631	ppbV		98
108) n-butylbenzene	8.383	91	1719532	19.563	ppbV		97
109) indan	8.223	117	1326115	20.820	ppbV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

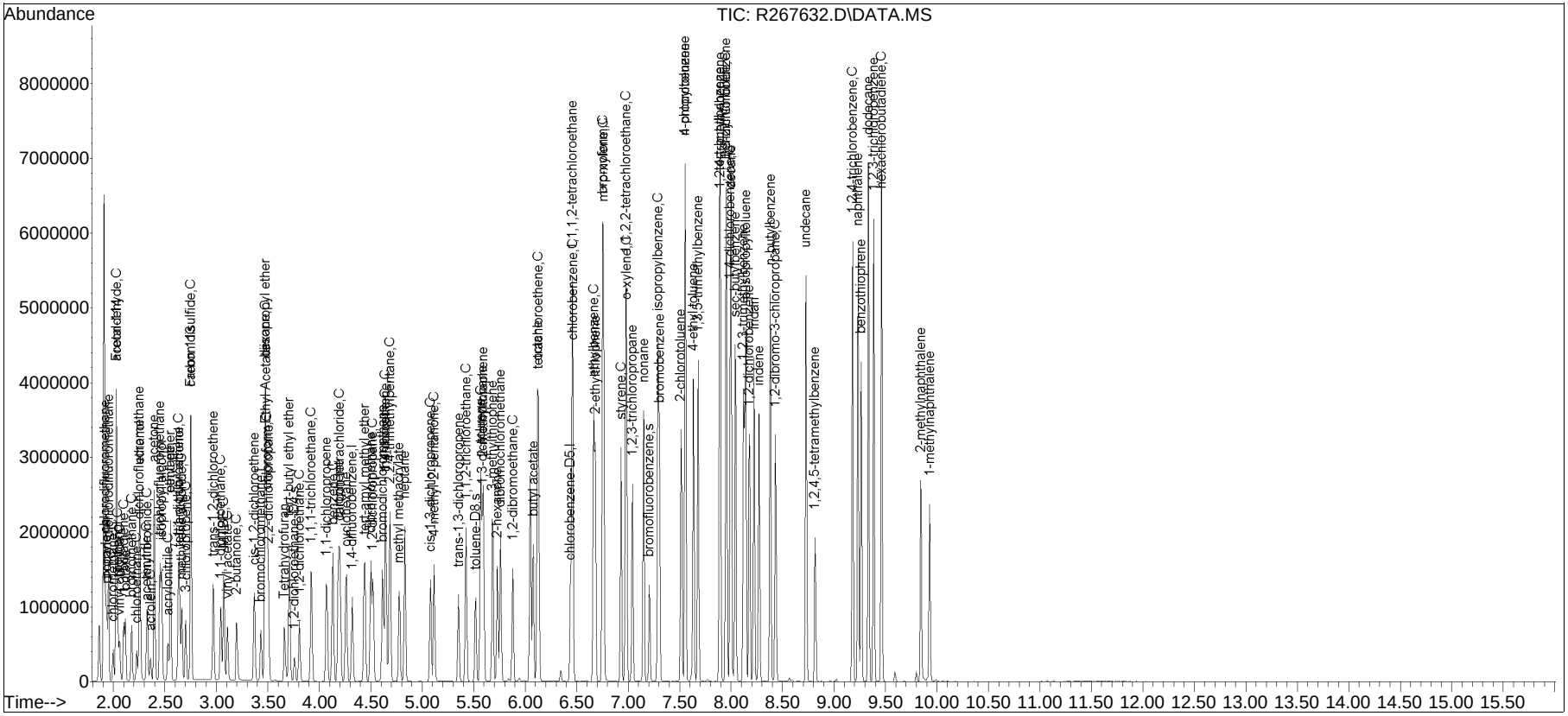
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	1123289	21.013	ppbV	98
111) 1,2-dibromo-3-chloropr...	8.430	75	474040	20.747	ppbV	100
112) undecane	8.726	57	1104252	18.249	ppbV	98
113) 1,2,4,5-tetramethylben...	8.814	119	642901	15.628	ppbV	98
114) dodecane	9.333	57	1217957	17.090	ppbV	99
115) 1,2,4-trichlorobenzene	9.181	180	1031197	21.477	ppbV	98
116) naphthalene	9.233	128	2341961	18.708	ppbV	96
117) 1,2,3-trichlorobenzene	9.385	180	1025075	19.450	ppbV	95
118) benzothiophene	9.262	134	1732761	15.049	ppbV	98
119) hexachlorobutadiene	9.461	225	719424	21.241	ppbV	95
120) 2-methylnaphthalene	9.841	142	763689	14.323	ppbV	99
121) 1-methylnaphthalene	9.929	142	617440	6.767	ppbV	97

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

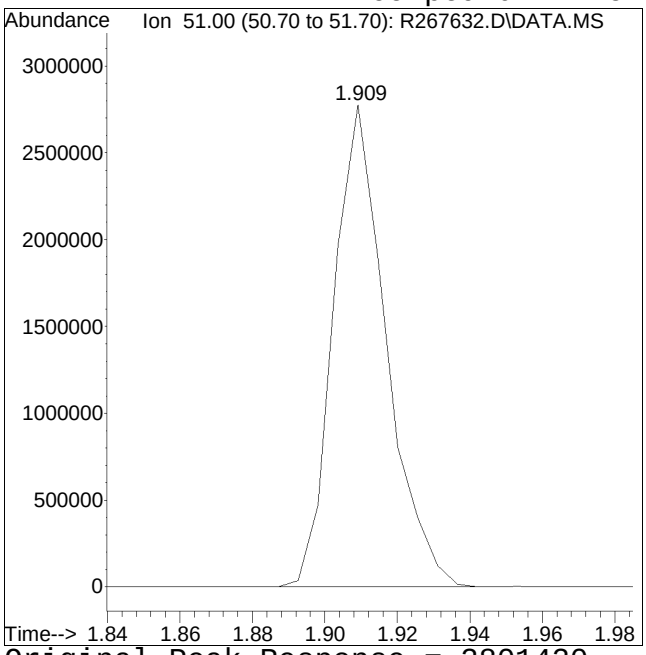
Quant Time: Jan 08 06:09:13 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



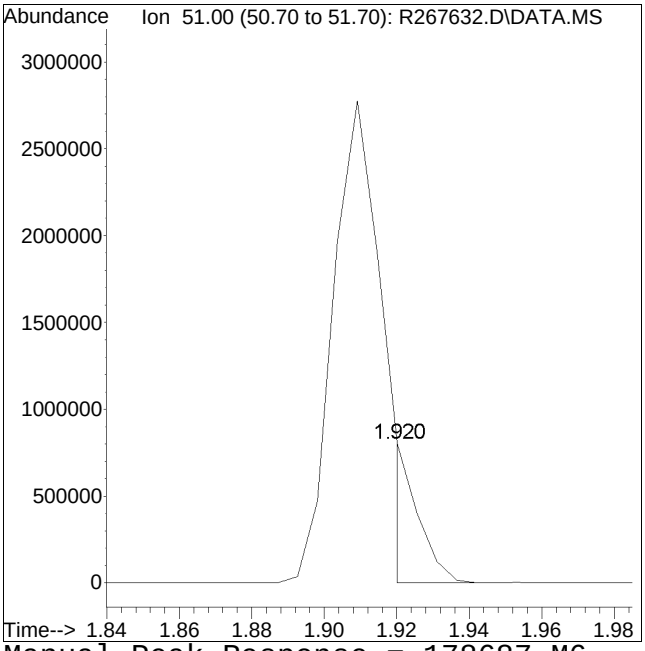
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:09 am

Compound #2: chlorodifluoromethane



Original Peak Response = 2801420



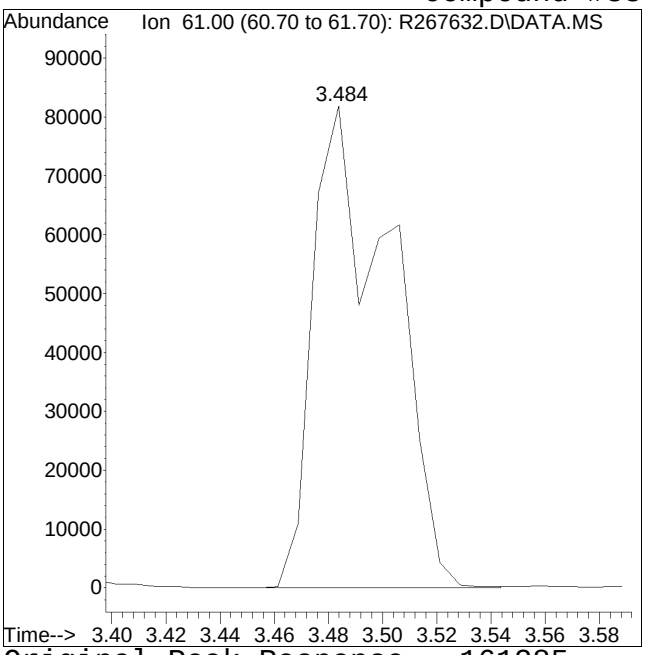
Manual Peak Response = 178687 M6

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

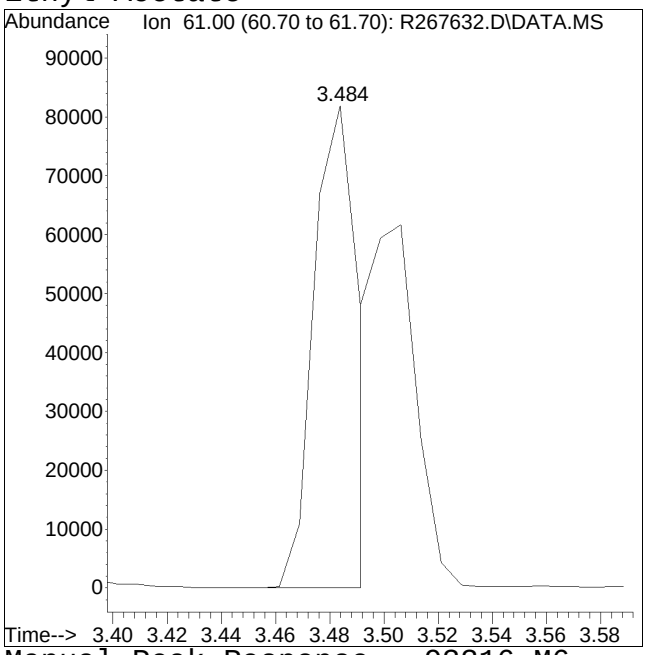
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:09 am

Compound #38: Ethyl Acetate



Original Peak Response = 161285



Manual Peak Response = 93316 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	162561	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 91.56%			
43) 1,4-difluorobenzene	4.321	114	528069	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 89.01%			
67) chlorobenzene-D5	6.442	54	79049	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 91.90%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.765	65	116876	10.287	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.87%			
69) toluene-D8	5.521	98	487355	9.950	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%			
90) bromofluorobenzene	7.205	95	263648	9.786	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.86%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	521593M6	49.936	ppbV	
3) propylene	1.936	41	475527	44.808	ppbV	94
4) propane	1.942	29	269321	43.343	ppbV	92
5) dichlorodifluoromethane	1.953	85	1378169	43.204	ppbV	96
6) chloromethane	2.002	50	509810	45.305	ppbV	98
7) Freon-114	2.030	85	1476433	42.582	ppbV	97
8) methanol	2.046	31	721599	195.473	ppbV #	84
9) vinyl chloride	2.063	62	603515	46.589	ppbV	100
10) 1,3-butadiene	2.101	54	413588	48.598	ppbV	99
11) butane	2.118	43	728748	44.256	ppbV	99
12) acetaldehyde	2.035	29	1018557	199.401	ppbV	92
13) bromomethane	2.178	94	576975	46.892	ppbV	100
14) chloroethane	2.227	64	352857	47.152	ppbV	99
15) ethanol	2.260	31	1387930	221.719	ppbV	97
16) dichlorofluoromethane	2.255	67	1399175	44.095	ppbV	97
17) vinyl bromide	2.333	106	593269	48.581	ppbV	99
18) acrolein	2.361	56	290841	48.860	ppbV	98
19) acetone	2.401	43	2897116	213.488	ppbV	92
20) acetonitrile	2.327	41	458906	47.153	ppbV	97
21) trichlorofluoromethane	2.452	101	1320387	45.436	ppbV	100
22) isopropyl alcohol	2.475	45	1877809	125.709	ppbV	98
23) acrylonitrile	2.531	53	504025	45.964	ppbV	99
24) pentane	2.554	43	944527	51.009	ppbV	97

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	2.560	31	408503	42.931	ppbV		97
26) 1,1-dichloroethene	2.632	61	840150	46.668	ppbV		99
27) tertiary butyl alcohol	2.646	59	1193173	50.667	ppbV		99
28) methylene chloride	2.665	49	543420	46.519	ppbV		97
29) 3-chloropropene	2.703	41	563837	48.859	ppbV		98
30) carbon disulfide	2.756	76	1499723	43.459	ppbV		96
31) Freon 113	2.756	101	1168989	45.098	ppbV		97
32) trans-1,2-dichloroethene	2.973	61	766334	48.766	ppbV		99
33) 1,1-dichloroethane	3.049	63	1006729	46.267	ppbV		97
34) MTBE	3.075	73	1504381	45.804	ppbV		98
35) vinyl acetate	3.111	43	1183815	50.688	ppbV		99
36) 2-butanone	3.199	43	1231416	47.849	ppbV		99
37) cis-1,2-dichloroethene	3.371	61	870212	47.328	ppbV		98
38) Ethyl Acetate	3.484	61	230447M6	30.737	ppbV		
39) chloroform	3.498	83	1238236	45.663	ppbV		99
40) Tetrahydrofuran	3.659	42	562573	49.130	ppbV		98
41) 2,2-dichloropropane	3.506	77	1042128	45.093	ppbV		98
42) 1,2-dichloroethane	3.814	62	759484	46.629	ppbV		98
44) hexane	3.476	57	896494	48.796	ppbV	#	69
45) diisopropyl ether	3.484	87	717556	46.792	ppbV		87
46) tert-butyl ethyl ether	3.708	59	1877973	45.212	ppbV		97
48) 1,1,1-trichloroethane	3.928	97	1270790	49.200	ppbV		98
49) 1,1-dichloropropene	4.076	75	1214480	47.061	ppbV		97
50) benzene	4.132	78	2072852	46.311	ppbV		97
51) thiophene	4.189	84	1641774	40.210	ppbV		98
52) carbon tetrachloride	4.208	117	1239813	48.368	ppbV		99
53) cyclohexane	4.264	56	962708	48.894	ppbV		98
54) tert-amyl methyl ether	4.443	73	1959096	45.995	ppbV		95
55) dibromomethane	4.500	93	822441	48.434	ppbV		96
56) 1,2-dichloropropane	4.528	63	758151	46.583	ppbV		98
57) bromodichloromethane	4.623	83	1348806	50.101	ppbV		96
58) 1,4-dioxane	4.651	88	493916	53.340	ppbV		98
59) trichloroethene	4.641	130	996323	47.933	ppbV		98
60) 2,2,4-trimethylpentane	4.689	57	2757258	45.009	ppbV		95
61) methyl methacrylate	4.783	41	783201	47.992	ppbV		98
62) heptane	4.830	43	945643	47.316	ppbV		97
63) cis-1,3-dichloropropene	5.082	75	1166680	50.764	ppbV		99
64) 4-methyl-2-pentanone	5.114	43	1264617	48.640	ppbV		97
65) trans-1,3-dichloropropene	5.353	75	928862	52.829	ppbV		98
66) 1,1,2-trichloroethane	5.425	97	923949	48.006	ppbV		96

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.568	91	2473859	43.822	ppbV		96
70) 2-methylthiophene	5.600	97	2175053	36.595	ppbV		96
71) 1,3-dichloropropane	5.584	76	1202566	44.143	ppbV		97
72) 2-hexanone	5.736	43	1231653	47.373	ppbV		96
73) 3-methylthiophene	5.688	97	2262728	36.462	ppbV		95
74) dibromochloromethane	5.760	129	1424187	49.687	ppbV		98
75) 1,2-dibromoethane	5.880	107	1358430	47.686	ppbV		99
76) butyl acetate	6.079	73	363694	46.265	ppbV		89
77) octane	6.119	85	842733	43.664	ppbV		97
78) tetrachloroethene	6.127	166	1175511	46.265	ppbV		99
79) 1,1,1,2-tetrachloroethane	6.458	131	1067889	46.509	ppbV		97
80) chlorobenzene	6.464	112	1997159	45.141	ppbV		96
81) ethylbenzene	6.665	91	3036699	41.866	ppbV		93
82) 2-ethylthiophene	6.682	97	2508292	35.823	ppbV		95
83) m+p-xylene	6.758	91	4545086	82.288	ppbV		94
84) bromoform	6.758	173	1339202	51.200	ppbV		96
85) styrene	6.931	104	2010043	46.034	ppbV		96
86) 1,1,2,2-tetrachloroethane	6.978	83	1900210	45.686	ppbV		99
87) o-xylene	6.983	91	2375185	42.889	ppbV		96
88) 1,2,3-trichloropropane	7.042	75	1429438	45.013	ppbV		97
89) nonane	7.152	43	1425437	42.989	ppbV	#	97
91) isopropylbenzene	7.292	105	3221456	39.572	ppbV	#	89
92) bromobenzene	7.304	77	2246945	43.393	ppbV		98
93) 2-chlorotoluene	7.520	126	969295	44.910	ppbV		80
94) n-propylbenzene	7.552	120	1052948	44.903	ppbV	#	49
95) 4-chlorotoluene	7.560	126	982528	45.701	ppbV	#	6
96) 4-ethyl toluene	7.632	105	3206893	42.779	ppbV		93
97) 1,3,5-trimethylbenzene	7.680	105	2709868	42.585	ppbV		93
98) tert-butylbenzene	7.895	119	3025998	40.850	ppbV		92
99) 1,2,4-trimethylbenzene	7.895	105	2809209	42.702	ppbV	#	84
100) decane	7.999	57	1775019	40.546	ppbV		99
101) Benzyl Chloride	7.951	91	2673389	50.223	ppbV		95
102) 1,3-dichlorobenzene	7.959	146	2070898	44.695	ppbV		99
103) 1,4-dichlorobenzene	7.999	146	2116742	44.736	ppbV		98
104) sec-butylbenzene	8.047	105	3884054	38.166	ppbV	#	83
105) 1,2,3-trimethylbenzene	8.127	105	3108534	42.070	ppbV		91
106) p-isopropyltoluene	8.143	119	3779974	40.072	ppbV	#	88
107) 1,2-dichlorobenzene	8.183	146	2054212	46.200	ppbV		99
108) n-butylbenzene	8.382	91	3362879	40.094	ppbV	#	86
109) indan	8.223	117	2713216	44.640	ppbV		94

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

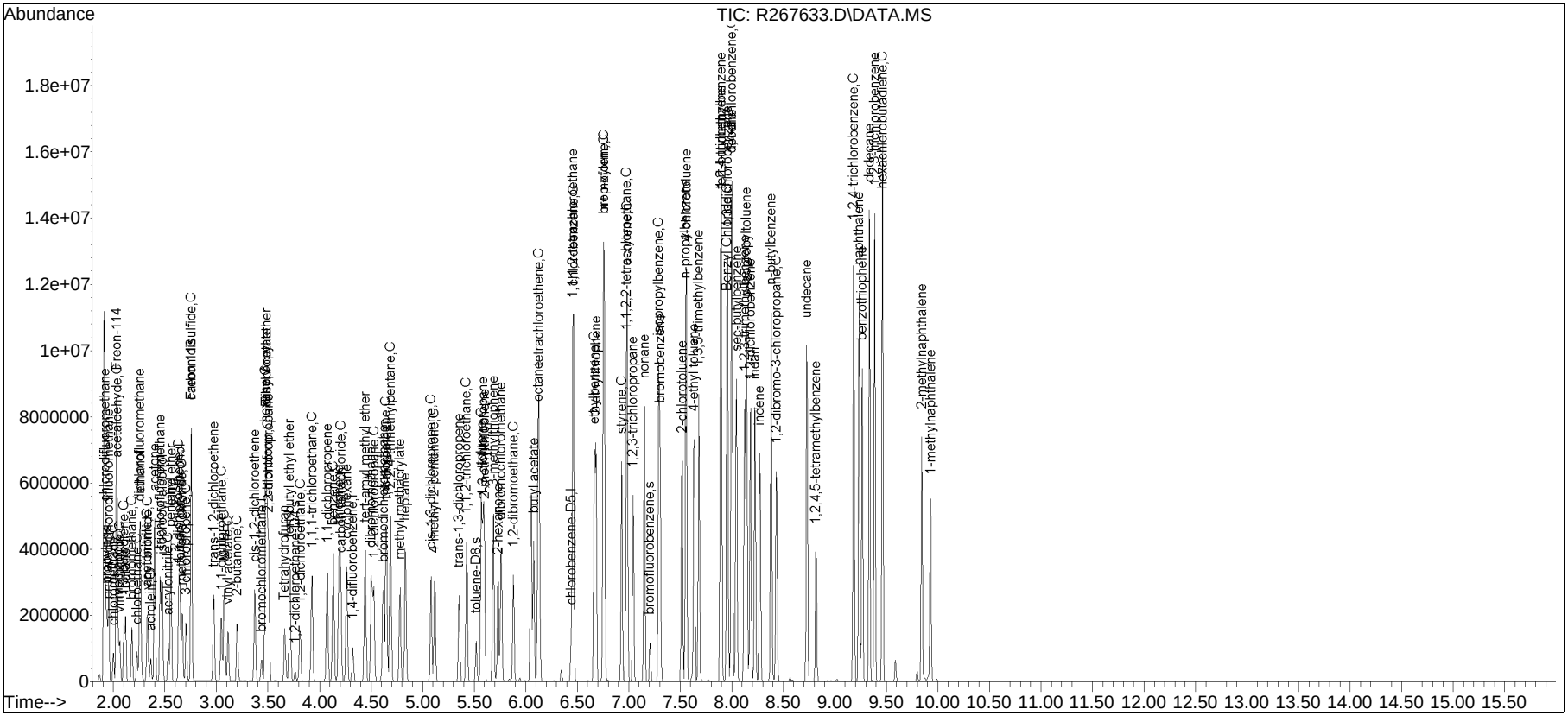
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) indene	8.271	115	2356643	46.199	ppbV #	99
111) 1,2-dibromo-3-chloropr...	8.430	75	1063913	48.797	ppbV	96
112) undecane	8.726	57	2220157	38.451	ppbV	97
113) 1,2,4,5-tetramethylben...	8.813	119	1447194	36.866	ppbV	96
114) dodecane	9.334	57	2400815	35.304	ppbV	95
115) 1,2,4-trichlorobenzene	9.182	180	2251874	49.151	ppbV #	90
116) naphthalene	9.235	128	4506179	37.723	ppbV #	86
117) 1,2,3-trichlorobenzene	9.387	180	2292501	45.586	ppbV #	90
118) benzothiophene	9.264	134	3498796	31.845	ppbV #	90
119) hexachlorobutadiene	9.463	225	1620052	50.127	ppbV	94
120) 2-methylnaphthalene	9.843	142	1871868	36.792	ppbV	98
121) 1-methylnaphthalene	9.931	142	1588167	18.242	ppbV	98

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

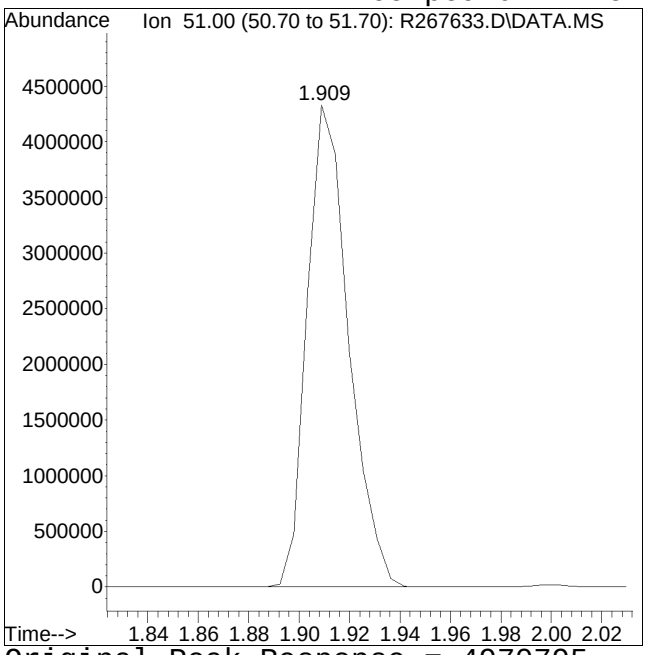
Quant Time: Jan 08 06:09:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



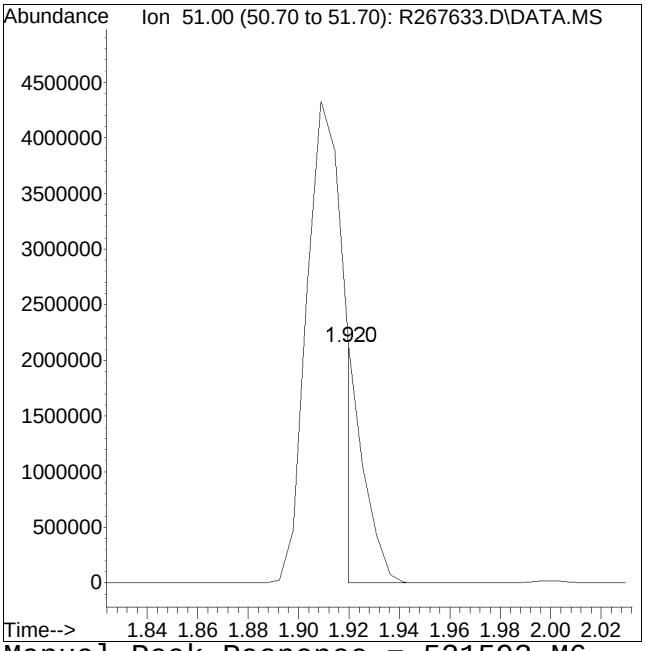
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:09 am

Compound #2: chlorodifluoromethane



Original Peak Response = 4970795



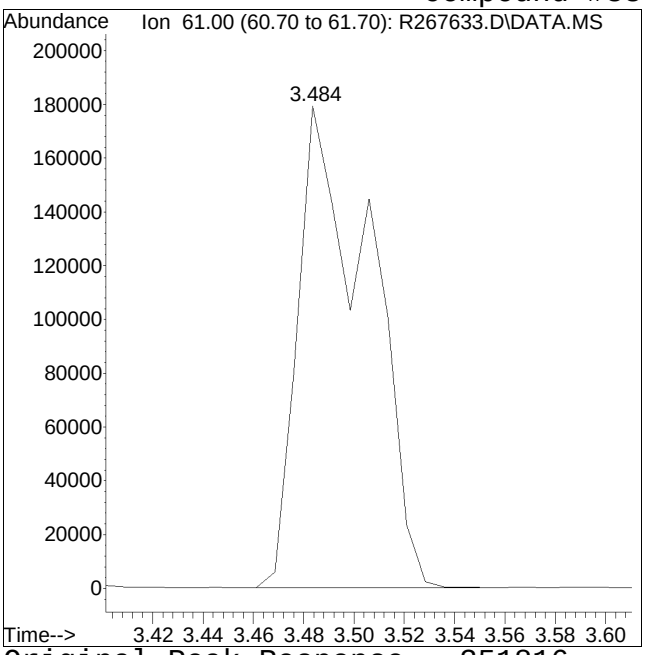
Manual Peak Response = 521593 M6

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

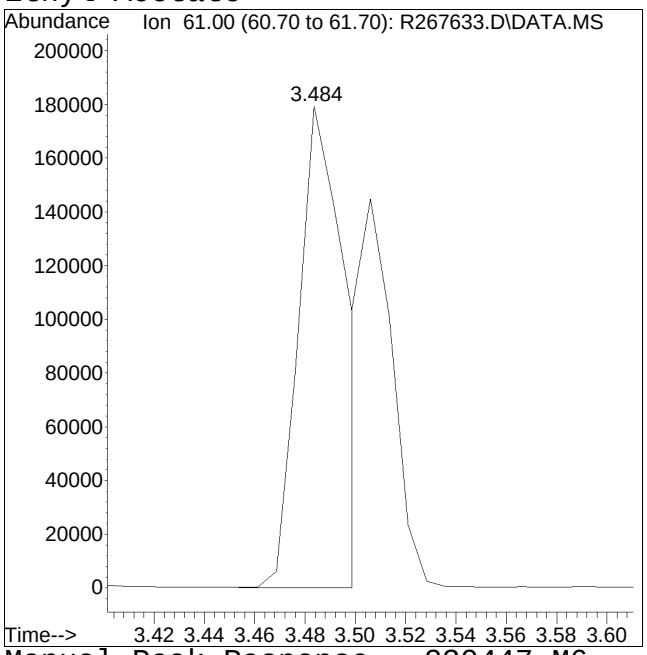
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:09 am

Compound #38: Ethyl Acetate



Original Peak Response = 351816



Manual Peak Response = 230447 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267634.D
Acq On : 08 Jan 2026 02:40 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD100
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	147665	10.000	ppbV	0.00
Standard Area = 177551			Recovery =		83.17%	
43) 1,4-difluorobenzene	4.321	114	475016	10.000	ppbV	0.00
Standard Area = 593282			Recovery =		80.07%	
67) chlorobenzene-D5	6.442	54	70368	10.000	ppbV	0.00
Standard Area = 86013			Recovery =		81.81%	
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.766	65	101355	9.917	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		99.17%	
69) toluene-D8	5.521	98	418273	9.593	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		95.93%	
90) bromofluorobenzene	7.211	95	236864	9.876	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =		98.76%	
Target Compounds						Qvalue
2) chlorodifluoromethane	1.920	51	885688M6	93.348	ppbV	
3) propylene	1.937	41	799208	82.905	ppbV	95
4) propane	1.942	29	453196	80.292	ppbV	93
5) dichlorodifluoromethane	1.953	85	2231127	76.999	ppbV	92
6) chloromethane	2.002	50	895963	87.652	ppbV	97
7) Freon-114	2.030	85	2349557	74.599	ppbV	92
8) methanol	2.046	31	1201872	358.416	ppbV #	84
9) vinyl chloride	2.063	62	1034614	87.926	ppbV	99
10) 1,3-butadiene	2.101	54	712531	92.171	ppbV	97
11) butane	2.118	43	1215112	81.236	ppbV	99
12) acetaldehyde	2.035	29	1665102	358.858	ppbV	94
13) bromomethane	2.178	94	990839	88.652	ppbV	99
14) chloroethane	2.228	64	605821	89.121	ppbV	97
15) ethanol	2.266	31	2227352	391.708	ppbV	94
16) dichlorofluoromethane	2.255	67	2286317	79.322	ppbV	94
17) vinyl bromide	2.333	106	1017097	91.688	ppbV	99
18) acrolein	2.362	56	497125	91.940	ppbV	97
19) acetone	2.401	43	4327545	351.065	ppbV #	83
20) acetonitrile	2.328	41	783323	88.607	ppbV	97
21) trichlorofluoromethane	2.452	101	2152378	81.537	ppbV	96
22) isopropyl alcohol	2.475	45	2939530	216.636	ppbV #	97
23) acrylonitrile	2.531	53	856006	85.938	ppbV	99
24) pentane	2.554	43	1451164	86.276	ppbV	95

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267634.D
Acq On : 08 Jan 2026 02:40 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD100
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) ethyl ether	2.560	31	673958	77.974	ppbV		95
26) 1,1-dichloroethene	2.632	61	1396673	85.407	ppbV		98
27) tertiary butyl alcohol	2.651	59	1924812	89.981	ppbV		97
28) methylene chloride	2.665	49	902707	85.071	ppbV		99
29) 3-chloropropene	2.704	41	939859	89.659	ppbV		96
30) carbon disulfide	2.756	76	2564085	81.797	ppbV		98
31) Freon 113	2.756	101	1901682	80.765	ppbV		94
32) trans-1,2-dichloroethene	2.973	61	1281612	89.783	ppbV		97
33) 1,1-dichloroethane	3.044	63	1668714	84.426	ppbV		97
34) MTBE	3.075	73	2441784	81.845	ppbV		95
35) vinyl acetate	3.111	43	2114861	99.688	ppbV		99
36) 2-butanone	3.204	43	2147866	91.879	ppbV		94
37) cis-1,2-dichloroethene	3.372	61	1450133	86.824	ppbV		100
38) Ethyl Acetate	3.491	61	373110M6	54.786	ppbV		
39) chloroform	3.499	83	2010425	81.619	ppbV		96
40) Tetrahydrofuran	3.660	42	958334	92.134	ppbV		99
41) 2,2-dichloropropane	3.506	77	1737967	82.788	ppbV		97
42) 1,2-dichloroethane	3.815	62	1291884	87.317	ppbV		97
44) hexane	3.476	57	1473017	89.131	ppbV	#	54
45) diisopropyl ether	3.484	87	1207470	87.533	ppbV		76
46) tert-butyl ethyl ether	3.717	59	3015506	80.707	ppbV		92
48) 1,1,1-trichloroethane	3.929	97	2118762	91.193	ppbV		98
49) 1,1-dichloropropene	4.076	75	2023099	87.151	ppbV		97
50) benzene	4.133	78	3311215	82.241	ppbV	#	93
51) thiophene	4.189	84	2673310	72.786	ppbV		95
52) carbon tetrachloride	4.208	117	2052068	88.998	ppbV		98
53) cyclohexane	4.265	56	1608441	90.812	ppbV		96
54) tert-amyl methyl ether	4.444	73	3148188	82.167	ppbV	#	91
55) dibromomethane	4.510	93	1368637	89.601	ppbV		95
56) 1,2-dichloropropane	4.529	63	1256400	85.818	ppbV		99
57) bromodichloromethane	4.623	83	2259926	93.319	ppbV		95
58) 1,4-dioxane	4.651	88	846262	101.598	ppbV		98
59) trichloroethene	4.651	130	1651169	88.311	ppbV		98
60) 2,2,4-trimethylpentane	4.689	57	4263693	77.374	ppbV	#	89
61) methyl methacrylate	4.783	41	1294798	88.202	ppbV		97
62) heptane	4.830	43	1562410	86.908	ppbV		97
63) cis-1,3-dichloropropene	5.082	75	1937477	93.718	ppbV		97
64) 4-methyl-2-pentanone	5.122	43	2051940	87.737	ppbV	#	91
65) trans-1,3-dichloropropene	5.353	75	1557687	98.488	ppbV		96
66) 1,1,2-trichloroethane	5.433	97	1531762	88.476	ppbV		97

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267634.D
Acq On : 08 Jan 2026 02:40 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD100
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) toluene	5.569	91	3900480	77.618	ppbV		92
70) 2-methylthiophene	5.601	97	3397752	64.219	ppbV	#	90
71) 1,3-dichloropropane	5.585	76	1969941	81.233	ppbV		95
72) 2-hexanone	5.736	43	2001294	86.471	ppbV	#	92
73) 3-methylthiophene	5.688	97	3545138M3	64.175	ppbV		
74) dibromochloromethane	5.768	129	2363314	92.623	ppbV		97
75) 1,2-dibromoethane	5.888	107	2234939	88.133	ppbV		98
76) butyl acetate	6.079	73	617330	88.218	ppbV		80
77) octane	6.119	85	1382095	80.445	ppbV		93
78) tetrachloroethene	6.135	166	1925796	85.145	ppbV		97
79) 1,1,1,2-tetrachloroethane	6.464	131	1749116	85.576	ppbV		97
80) chlorobenzene	6.464	112	3116784	79.138	ppbV		92
81) ethylbenzene	6.671	91	4595226	71.169	ppbV	#	83
82) 2-ethylthiophene	6.688	97	3806230	61.066	ppbV	#	87
83) m+p-xylene	6.764	91	6591151M3	134.053	ppbV		
84) bromoform	6.758	173	2211479	94.979	ppbV		93
85) styrene	6.931	104	3125769	80.418	ppbV		91
86) 1,1,2,2-tetrachloroethane	6.984	83	2903829	78.428	ppbV		93
87) o-xylene	6.990	91	3668854	74.422	ppbV		90
88) 1,2,3-trichloropropane	7.048	75	2325332	82.258	ppbV		93
89) nonane	7.152	43	2250755	76.253	ppbV	#	96
91) isopropylbenzene	7.292	105	4708907	64.979	ppbV	#	80
92) bromobenzene	7.310	77	3555656	77.138	ppbV		85
93) 2-chlorotoluene	7.520	126	1608445	83.718	ppbV	#	65
94) n-propylbenzene	7.560	120	1690166	80.970	ppbV	#	16
95) 4-chlorotoluene	7.560	126	1575634	82.330	ppbV	#	1
96) 4-ethyl toluene	7.640	105	4721540	70.755	ppbV	#	81
97) 1,3,5-trimethylbenzene	7.680	105	4126456	72.846	ppbV	#	88
98) tert-butylbenzene	7.896	119	4595524	69.692	ppbV	#	83
99) 1,2,4-trimethylbenzene	7.904	105	4205450	71.813	ppbV		93
100) decane	8.007	57	2589065	66.437	ppbV	#	98
101) Benzyl Chloride	7.959	91	4027989	85.007	ppbV	#	81
102) 1,3-dichlorobenzene	7.959	146	3313233	80.330	ppbV		91
103) 1,4-dichlorobenzene	7.999	146	3236505	76.840	ppbV	#	90
104) sec-butylbenzene	8.047	105	5625273M3	62.095	ppbV		
105) 1,2,3-trimethylbenzene	8.127	105	4742049	72.095	ppbV	#	84
106) p-isopropyltoluene	8.151	119	5523884	65.784	ppbV	#	77
107) 1,2-dichlorobenzene	8.183	146	3242388	81.919	ppbV		92
108) n-butylbenzene	8.383	91	4903794	65.679	ppbV	#	79
109) indan	8.231	117	4146125	76.631	ppbV	#	86

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267634.D
Acq On : 08 Jan 2026 02:40 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD100
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:09:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default - All compounds listed

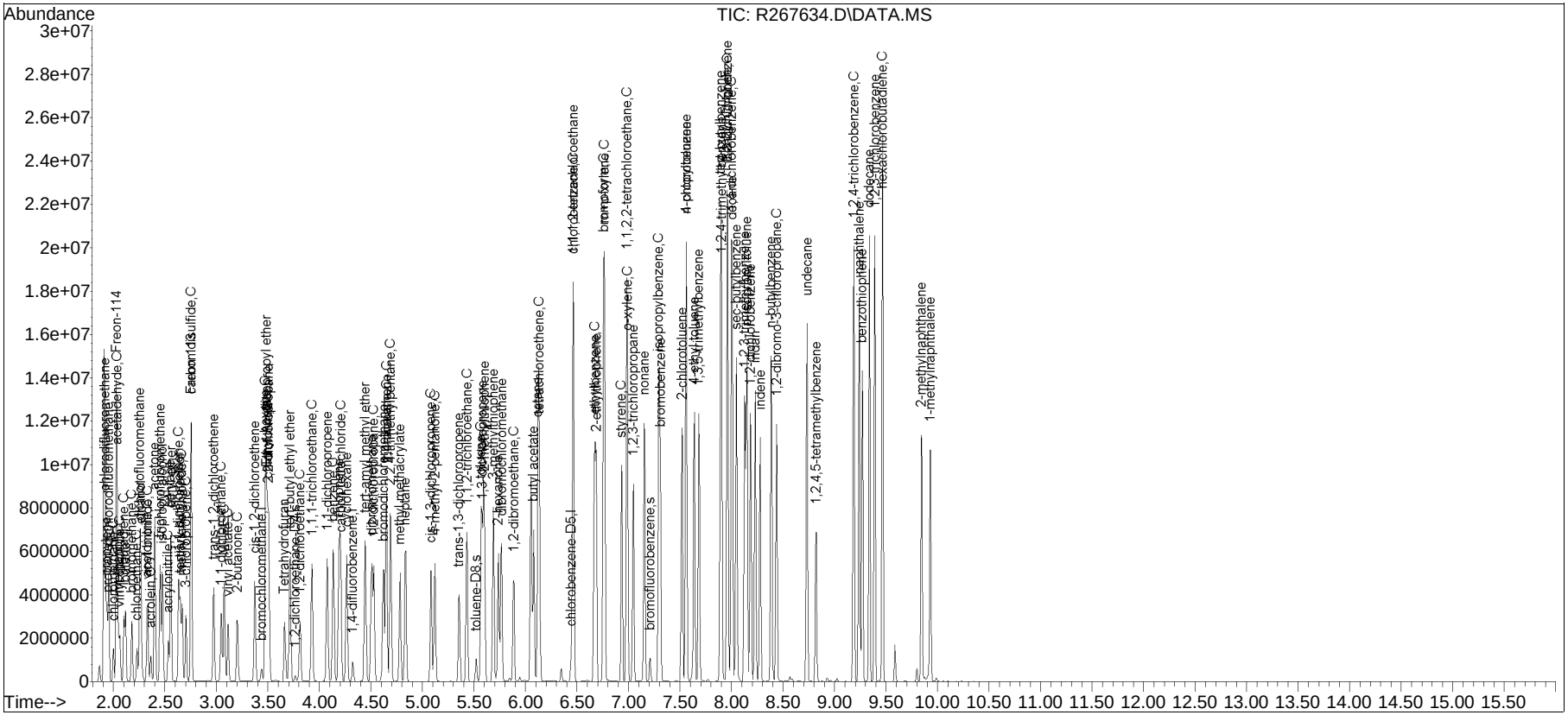
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
110) indene	8.279	115	3571162	78.646	ppbV	#	98
111) 1,2-dibromo-3-chloropr...	8.438	75	1801632	92.827	ppbV		97
112) undecane	8.734	57	3288794	63.986	ppbV	#	92
113) 1,2,4,5-tetramethylben...	8.822	119	2421321	69.290	ppbV		92
114) dodecane	9.338	57	3425108	56.580	ppbV		96
115) 1,2,4-trichlorobenzene	9.186	180	3652116	89.548	ppbV	#	83
116) naphthalene	9.239	128	6466628	60.813	ppbV	#	75
117) 1,2,3-trichlorobenzene	9.391	180	3536554	78.999	ppbV	#	82
118) benzothiophene	9.268	134	5230174	53.475	ppbV	#	82
119) hexachlorobutadiene	9.467	225	2572870	89.429	ppbV	#	89
120) 2-methylnaphthalene	9.841	142	3055187	67.459	ppbV	#	95
121) 1-methylnaphthalene	9.929	142	2661418M3	34.341	ppbV		

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

Sub List : Default - All compounds listed1\0107T_I\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267634.D
Acq On : 08 Jan 2026 02:40 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD100
Misc : WG2163114
ALS Vial : 8 Sample Multiplier: 1

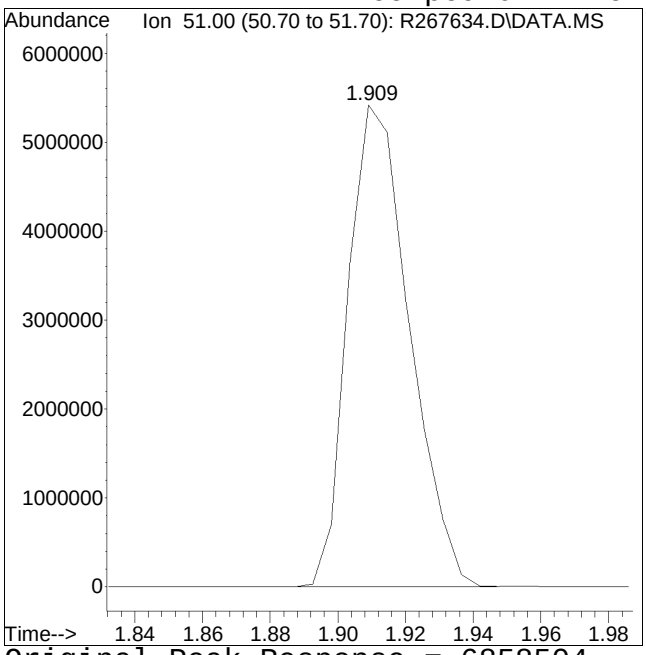
Quant Time: Jan 08 06:09:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:08:10 2026
Response via : Initial Calibration



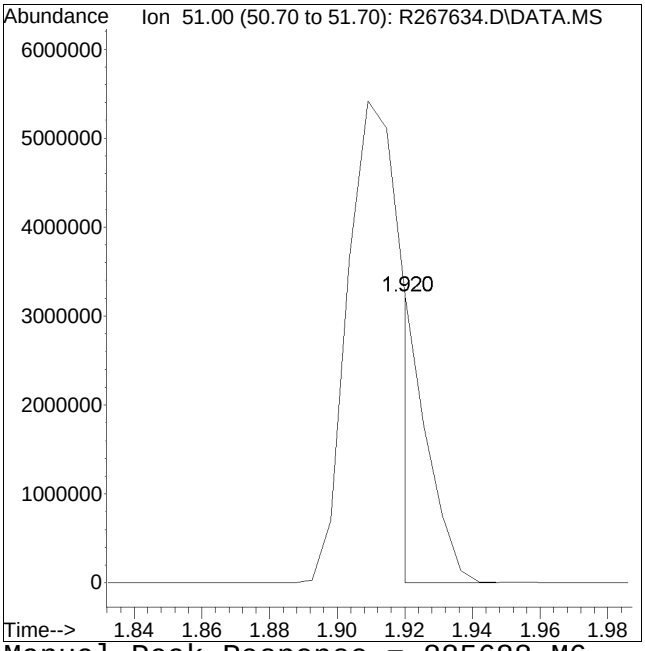
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #2: chlorodifluoromethane



Original Peak Response = 6858504



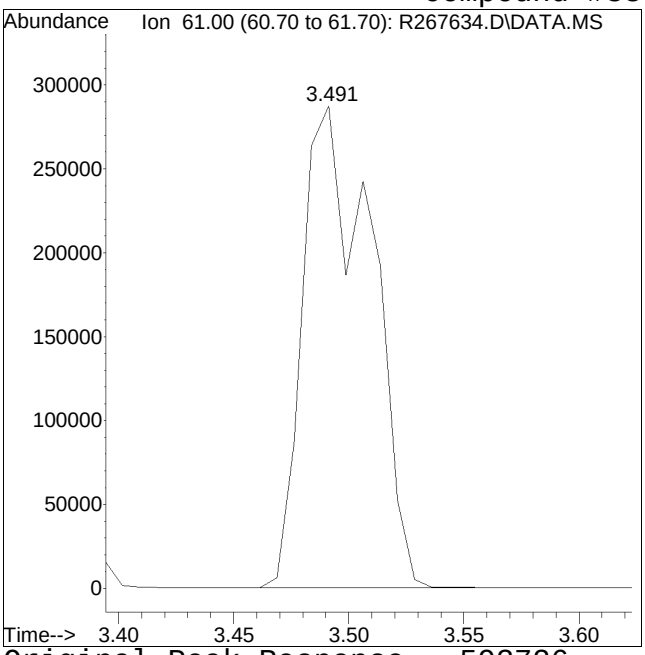
Manual Peak Response = 885688 M6

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

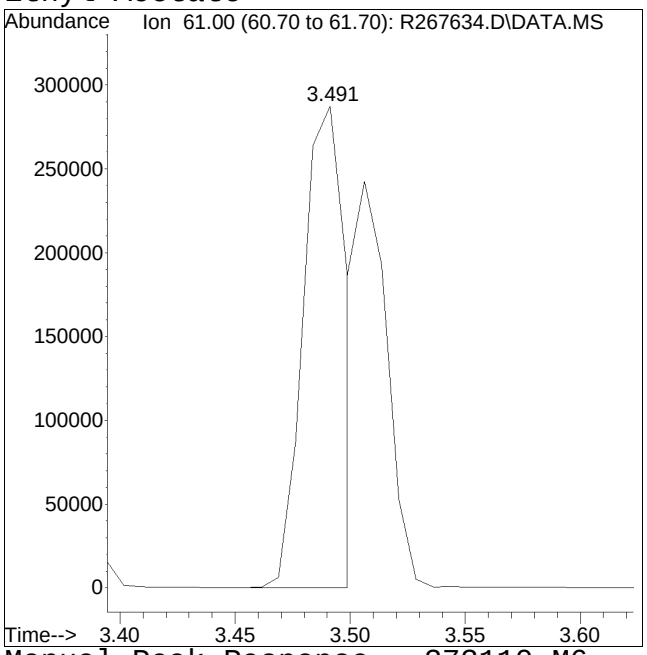
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #38: Ethyl Acetate



Original Peak Response = 593726



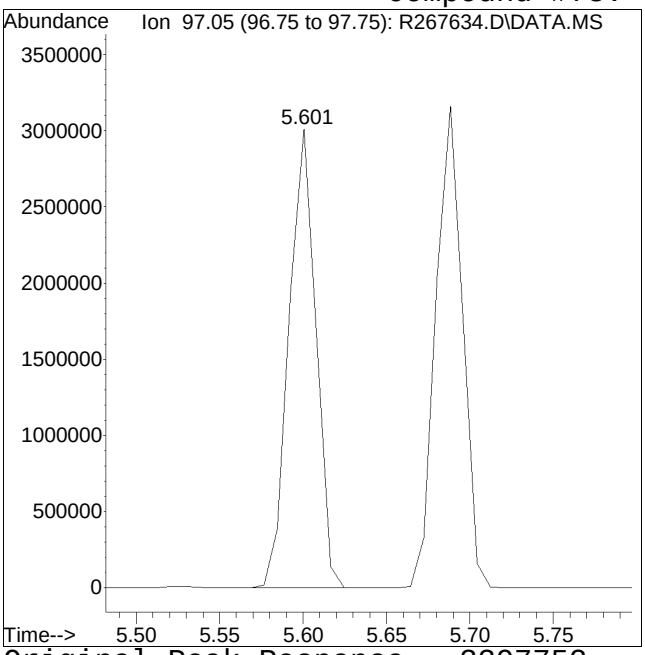
Manual Peak Response = 373110 M6

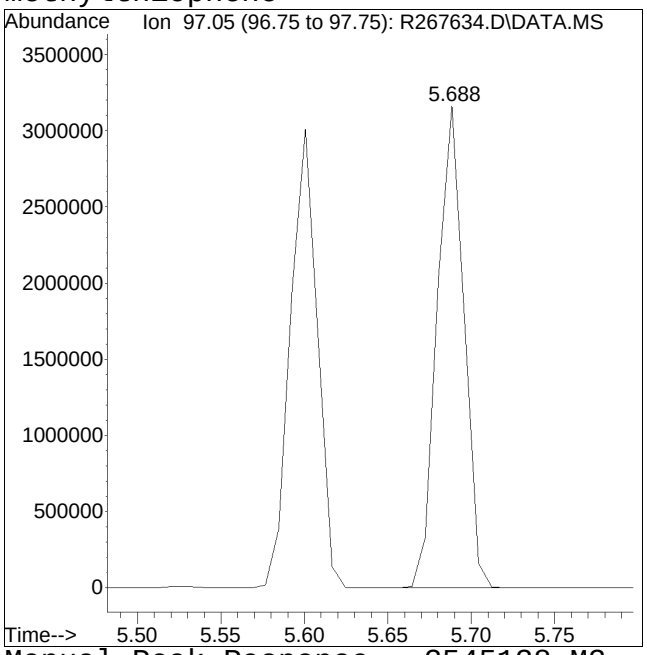
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #73: 3-methylthiophene



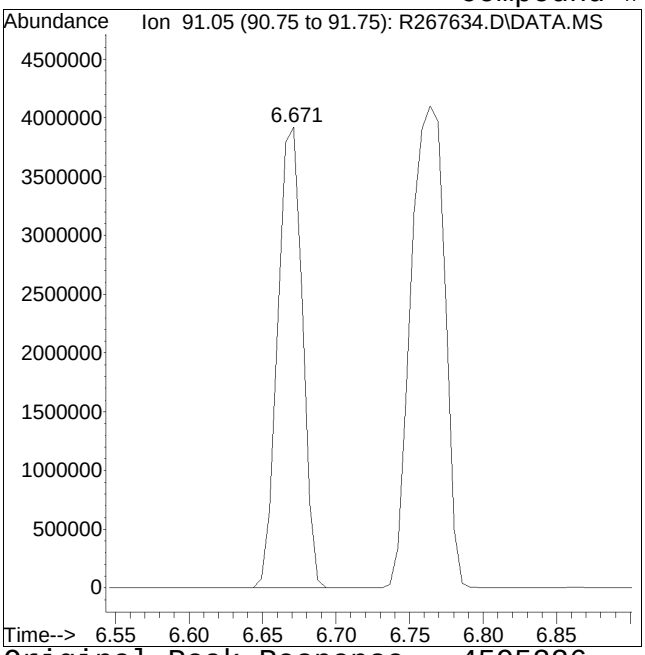


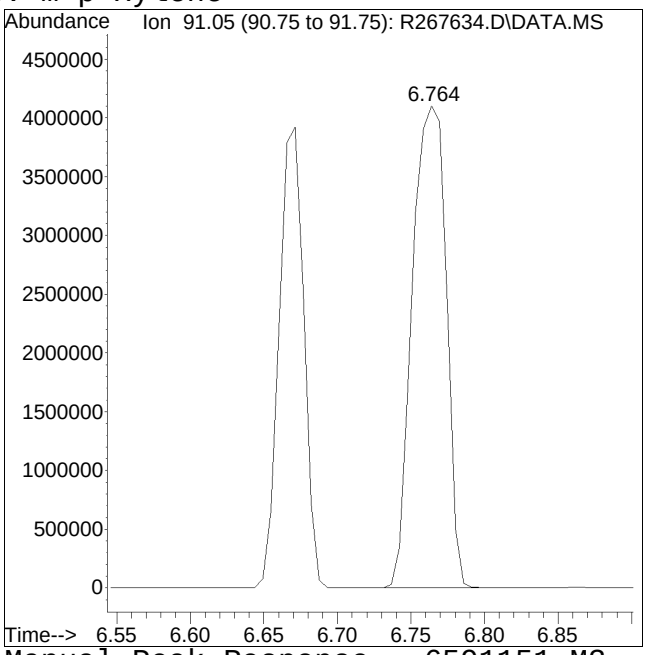
Original Peak Response = 3397752 Manual Peak Response = 3545138 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #83: m+p-xylene





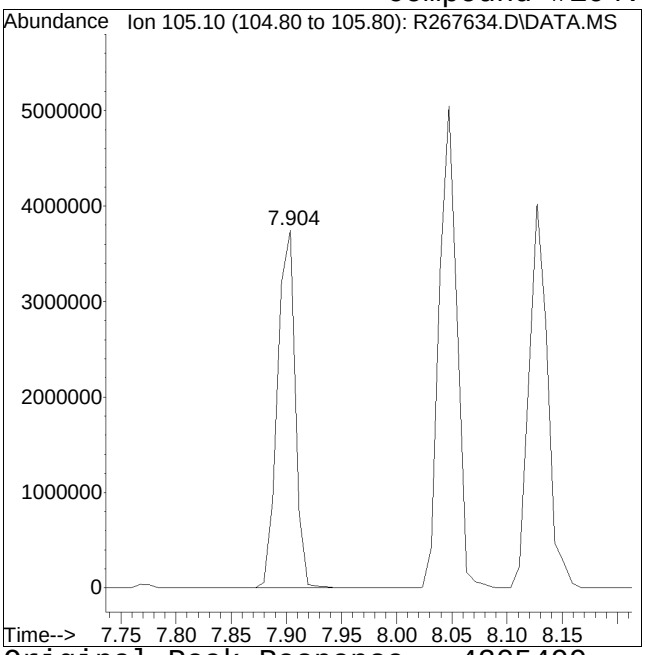
Original Peak Response = 4595226 Manual Peak Response = 6591151 M3

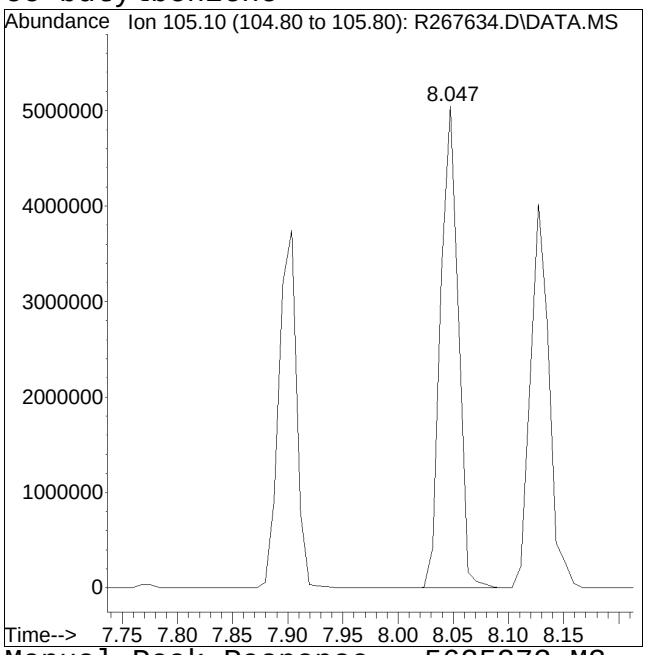
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #104: sec-butylbenzene





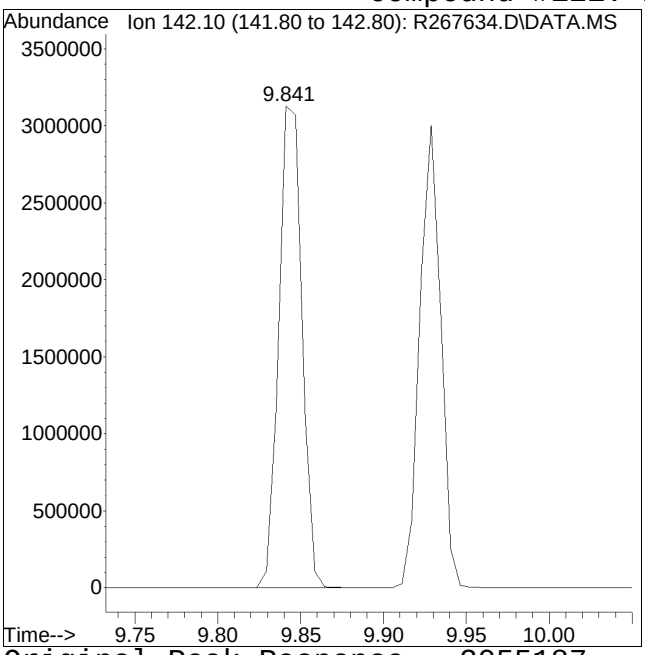
Original Peak Response = 4205499 Manual Peak Response = 5625273 M3

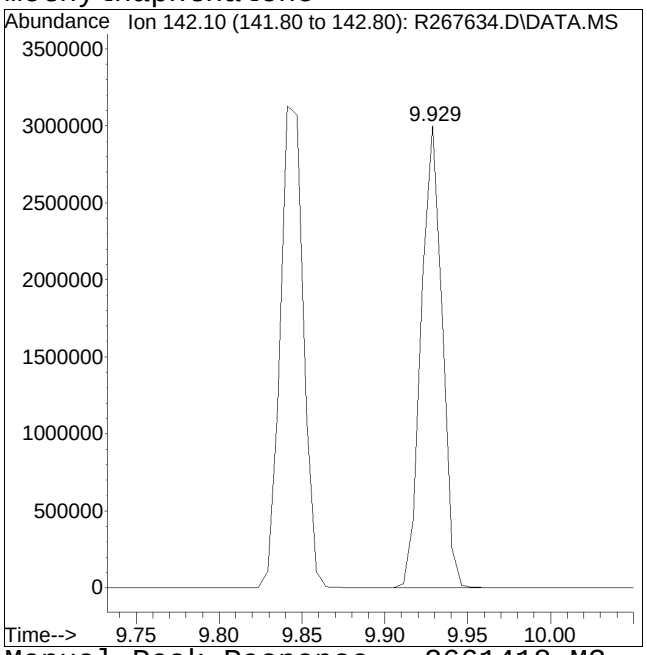
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267634.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:40 am Instrument : Airlab26
Sample : ITO15-LLSTD100 Quant Date : 1/8/2026 6:09 am

Compound #121: 1-methylnaphthalene





Original Peak Response = 3055187 Manual Peak Response = 2661418 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 18:04:48 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	68	0.00
2		chlorodifluoromethane	0.685	1.155	-68.6#	122	0.00
3		propylene	0.666	0.708	-6.3	74	0.00
4		propane	0.385	0.412	-7.0	73	0.00
5		dichlorodifluoromethane	1.968	2.227	-13.2	77	0.00
6	C	chloromethane	0.719	0.750	-4.3	74	0.00
7		Freon-114	2.169	2.419	-11.5	77	0.00
8	C	methanol	0.209	0.185	11.5	55#	0.00
9	C	vinyl chloride	0.834	0.916	-9.8	78	0.00
10	C	1,3-butadiene	0.573	0.606	-5.8	79	0.00
11		butane	1.021	1.029	-0.8	69	0.00
13	C	bromomethane	0.795	0.906	-14.0	81	0.00
14	C	chloroethane	0.471	0.511	-8.5	75	0.00
15		ethanol	0.374	0.362	3.2	64	0.00
16		dichlorofluoromethane	1.897	1.946	-2.6	68	0.00
17	C	vinyl bromide	0.820	0.841	-2.6	76	0.00
18	C	acrolein	0.390	0.335	14.1	62	0.00
19		acetone	0.877	0.955	-8.9	78	0.00
20	C	acetonitrile	0.627	0.643	-2.6	73	0.00
21		trichlorofluoromethane	1.817	1.943	-6.9	74	0.00
22		isopropyl alcohol	1.090	0.957	12.2	71	0.00
23	C	acrylonitrile	0.691	0.657	4.9	66	0.00
24		pentane	1.259	1.316	-4.5	78	0.00
25		ethyl ether	0.616	0.585	5.0	68	0.00
26	C	1,1-dichloroethene	1.143	1.285	-12.4	79	0.00
27		tertiary butyl alcohol	1.499	1.328	11.4	62	0.00
28	C	methylene chloride	0.738	0.821	-11.2	78	0.00
29	C	3-chloropropene	0.755	0.817	-8.2	78	0.00
30	C	carbon disulfide	2.115	2.460	-16.3	79	0.00
31		Freon 113	1.624	1.783	-9.8	76	0.00
32		trans-1,2-dichloroethene	1.020	1.100	-7.8	77	0.00
33	C	1,1-dichloroethane	1.377	1.475	-7.1	75	0.00
34	C	MTBE	2.055	2.207	-7.4	74	0.00
35	C	vinyl acetate	1.450	0.945	34.8#	45#	0.00
36	C	2-butanone	1.594	1.823	-14.4	78	0.00
37		cis-1,2-dichloroethene	1.138	1.227	-7.8	74	0.00
38		Ethyl Acetate	0.323	0.292	9.6	77	0.00
39	C	chloroform	1.671	1.819	-8.9	74	0.00
40		Tetrahydrofuran	0.694	0.820	-18.2	79	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 18:04:48 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	1.399	1.371	2.0	65	0.00
42	C	1,2-dichloroethane	0.985	1.082	-9.8	73	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	68	0.00
44	C	hexane	0.408	0.394	3.4	77	0.00
45		diisopropyl ether	0.290	0.291	-0.3	68	0.00
46		tert-butyl ethyl ether	0.767	0.769	-0.3	66	0.00
47	s	1,2-dichloroethane-D4	0.218	0.220	-0.9	69	0.00
48	C	1,1,1-trichloroethane	0.508	0.534	-5.1	74	0.00
49		1,1-dichloropropene	0.451	0.423	6.2	59#	0.00
50	C	benzene	0.848	0.921	-8.6	74	0.00
52	C	carbon tetrachloride	0.486	0.541	-11.3	76	0.00
53		cyclohexane	0.388	0.422	-8.8	77	0.00
54		tert-amyl methyl ether	0.799	0.818	-2.4	69	0.00
55		dibromomethane	0.319	0.314	1.6	66	0.00
56	C	1,2-dichloropropane	0.303	0.333	-9.9	73	0.00
57		bromodichloromethane	0.519	0.579	-11.6	77	0.00
58	C	1,4-dioxane	0.186	0.195	-4.8	75	0.00
59	C	trichloroethene	0.406	0.424	-4.4	73	0.00
60	C	2,2,4-trimethylpentane	1.177	1.309	-11.2	76	0.00
61		methyl methacrylate	0.305	0.300	1.6	66	0.00
62		heptane	0.396	0.428	-8.1	77	0.00
63	C	cis-1,3-dichloropropene	0.438	0.584	-33.3#	91	0.00
64	C	4-methyl-2-pentanone	0.498	0.553	-11.0	76	0.00
65		trans-1,3-dichloropropene	0.338	0.453	-34.0#	92	0.00
66	C	1,1,2-trichloroethane	0.357	0.398	-11.5	74	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	69	0.00
68	C	toluene	7.091	7.802	-10.0	75	0.00
69	s	toluene-D8	6.155	6.109	0.7	68	0.00
71		1,3-dichloropropane	3.351	3.292	1.8	66	0.00
72		2-hexanone	3.274	3.491	-6.6	73	0.00
74		dibromochloromethane	3.662	4.115	-12.4	78	0.00
75	C	1,2-dibromoethane	3.621	4.166	-15.1	79	0.00
76		butyl acetate	1.013	1.005	0.8	69	0.00
77		octane	2.379	2.342	1.6	66	0.00
78	C	tetrachloroethene	3.239	3.513	-8.5	75	0.00
79		1,1,1,2-tetrachloroethane	2.803	2.750	1.9	65	0.00
80	C	chlorobenzene	5.523	6.110	-10.6	75	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 18:04:48 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	8.904	10.036	-12.7	75	0.00
83	C	m+p-xylene	6.850	7.736	-12.9	76	0.00
84	C	bromoform	3.295	3.872	-17.5	80	0.00
85	C	styrene	5.346	6.312	-18.1	79	0.00
86	C	1,1,2,2-tetrachloroethane	5.162	5.898	-14.3	77	0.00
87	C	o-xylene	6.901	7.557	-9.5	74	0.00
88		1,2,3-trichloropropane	3.898	3.996	-2.5	68	0.00
89		nonane	4.066	4.123	-1.4	68	0.00
90	s	bromofluorobenzene	3.379	3.344	1.0	67	0.00
91	C	isopropylbenzene	9.560	10.009	-4.7	67	0.00
92		bromobenzene	6.317	6.290	0.4	66	0.00
93		2-chlorotoluene	2.578	2.619	-1.6	66	0.00
94		n-propylbenzene	2.836	2.889	-1.9	67	0.00
95		4-chlorotoluene	2.636	2.545	3.5	64	0.00
96		4-ethyl toluene	9.185	10.441	-13.7	76	0.00
97		1,3,5-trimethylbenzene	7.846	9.328	-18.9	80	0.00
98		tert-butylbenzene	8.755	9.396	-7.3	69	0.00
99		1,2,4-trimethylbenzene	7.870	9.666	-22.8	80	0.00
100		decane	5.169	5.520	-6.8	68	0.00
101	C	Benzyl Chloride	6.616	6.298	4.8	64	0.00
102		1,3-dichlorobenzene	5.670	6.540	-15.3	77	0.00
103	C	1,4-dichlorobenzene	5.741	6.623	-15.4	76	0.00
104		sec-butylbenzene	11.845	12.432	-5.0	66	0.00
106		p-isopropyltoluene	11.024	11.689	-6.0	67	0.00
107		1,2-dichlorobenzene	5.508	6.314	-14.6	77	0.00
108		n-butylbenzene	9.631	10.971	-13.9	71	0.00
111	C	1,2-dibromo-3-chloropropane	2.504	2.539	-1.4	63	0.00
112		undecane	6.251	7.056	-12.9	66	0.00
114		dodecane	6.596	8.269	-25.4	66	0.00
115	C	1,2,4-trichlorobenzene	5.182	6.696	-29.2	79	0.00
116		naphthalene	12.938	13.238	-2.3	60	0.00
117		1,2,3-trichlorobenzene	5.233	5.679	-8.5	61	0.00
119	C	hexachlorobutadiene	3.624	4.724	-30.4#	79	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\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 11:33:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:12:35 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	120610	10.000	ppbV	0.00
Standard Area = 177551			Recovery = 67.93%			
43) 1,4-difluorobenzene	4.321	114	401737	10.000	ppbV	0.00
Standard Area = 593282			Recovery = 67.71%			
67) chlorobenzene-D5	6.442	54	59104	10.000	ppbV	0.00
Standard Area = 86013			Recovery = 68.72%			
System Monitoring Compounds						
47) 1,2-dichloroethane-D4	3.757	65	88483	10.115	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.15%			
69) toluene-D8	5.521	98	361050	9.924	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
90) bromofluorobenzene	7.205	95	197637	9.895	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
Target Compounds						Qvalue
2) chlorodifluoromethane	1.925	51	139331	1.512	ppbV #	71
3) propylene	1.936	41	85387	10.632	ppbV	95
4) propane	1.942	29	49639	10.696	ppbV	91
5) dichlorodifluoromethane	1.953	85	268580	11.314	ppbV	99
6) chloromethane	2.002	50	90404	11.580	ppbV	100
7) Freon-114	2.030	85	291709	11.151	ppbV	96
8) methanol	2.046	31	111344	44.242	ppbV #	77
9) vinyl chloride	2.063	62	110499	10.987	ppbV	99
10) 1,3-butadiene	2.101	54	73033	10.563	ppbV	98
11) butane	2.118	43	124104	10.079	ppbV	99
13) bromomethane	2.178	94	109269	11.401	ppbV	99
14) chloroethane	2.228	64	61581	10.840	ppbV	98
15) ethanol	2.255	31	218158	48.336	ppbV	98
16) dichlorofluoromethane	2.255	67	234676	10.256	ppbV	99
17) vinyl bromide	2.333	106	101486	10.259	ppbV	100
18) acrolein	2.361	56	40439	8.600	ppbV	99
19) acetone	2.395	43	575618	54.401	ppbV	99
20) acetonitrile	2.327	41	77505	10.034	ppbV	100
21) trichlorofluoromethane	2.452	101	234358	10.697	ppbV	98
22) isopropyl alcohol	2.469	45	288461	21.934	ppbV	100
23) acrylonitrile	2.531	53	79215	9.505	ppbV	99
24) pentane	2.554	43	158707	10.454	ppbV	99
25) ethyl ether	2.560	31	70523	9.494	ppbV	97

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 11:33:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:12:35 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default-ICV-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 1,1-dichloroethene	2.632	61	154939	11.235	ppbV	99
27) tertiary butyl alcohol	2.641	59	160153	8.861	ppbV	100
28) methylene chloride	2.665	49	99049	11.135	ppbV	100
29) 3-chloropropene	2.703	41	98496	10.817	ppbV	99
30) carbon disulfide	2.756	76	296695	11.630	ppbV	98
31) Freon 113	2.751	101	215033	10.976	ppbV	99
32) trans-1,2-dichloroethene	2.969	61	132639	10.779	ppbV	97
33) 1,1-dichloroethane	3.044	63	177940	10.717	ppbV	100
34) MTBE	3.071	73	266189	10.740	ppbV	98
35) vinyl acetate	3.106	43	113962	6.518	ppbV	98
36) 2-butanone	3.195	43	219829	11.432	ppbV	99
37) cis-1,2-dichloroethene	3.372	61	148037	10.790	ppbV	99
38) Ethyl Acetate	3.484	61	35239M6	6.395	ppbV	
39) chloroform	3.491	83	219383	10.885	ppbV	100
40) Tetrahydrofuran	3.660	42	98892M6	10.907	ppbV	
41) 2,2-dichloropropane	3.506	77	165323	9.796	ppbV	99
42) 1,2-dichloroethane	3.806	62	130542	10.986	ppbV	99
44) hexane	3.476	57	158278	9.648	ppbV	91
45) diisopropyl ether	3.476	87	116751	10.037	ppbV	97
46) tert-butyl ethyl ether	3.708	59	309119	10.029	ppbV	100
48) 1,1,1-trichloroethane	3.920	97	214402	10.511	ppbV	98
49) 1,1-dichloropropene	4.067	75	170009	9.377	ppbV	99
50) benzene	4.133	78	369991	10.863	ppbV	100
52) carbon tetrachloride	4.198	117	217537	11.137	ppbV	100
53) cyclohexane	4.264	56	169532	10.870	ppbV	99
54) tert-amyl methyl ether	4.444	73	328443	10.228	ppbV	99
55) dibromomethane	4.500	93	126216	9.859	ppbV	99
56) 1,2-dichloropropane	4.519	63	133815	10.987	ppbV	97
57) bromodichloromethane	4.613	83	232427	11.144	ppbV	99
58) 1,4-dioxane	4.651	88	78378	10.462	ppbV	95
59) trichloroethene	4.641	130	170531	10.454	ppbV	99
60) 2,2,4-trimethylpentane	4.689	57	525956	11.124	ppbV	100
61) methyl methacrylate	4.773	41	120694	9.857	ppbV	99
62) heptane	4.830	43	171970	10.802	ppbV	98
63) cis-1,3-dichloropropene	5.082	75	234615	13.329	ppbV	99
64) 4-methyl-2-pentanone	5.114	43	222134	11.093	ppbV	99
65) trans-1,3-dichloropropene	5.353	75	181930	13.413	ppbV	99
66) 1,1,2-trichloroethane	5.425	97	160048	11.160	ppbV	97
68) toluene	5.569	91	461136	11.003	ppbV	97
71) 1,3-dichloropropane	5.584	76	194552	9.823	ppbV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 11:33:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:12:35 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default-ICV-AP2 - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72)	2-hexanone	5.728	43	206311	12.003	ppbV	99
74)	dibromochloromethane	5.760	129	243196	11.236	ppbV	99
75)	1,2-dibromoethane	5.880	107	246251	11.508	ppbV	100
76)	butyl acetate	6.079	73	59398	9.916	ppbV	99
77)	octane	6.119	85	138449	9.846	ppbV	98
78)	tetrachloroethene	6.127	166	207655	10.849	ppbV	98
79)	1,1,1,2-tetrachloroethane	6.458	131	162515	9.809	ppbV	100
80)	chlorobenzene	6.464	112	361118	11.063	ppbV	99
81)	ethylbenzene	6.666	91	593182	11.272	ppbV	99
83)	m+p-xylene	6.753	91	914400	23.185	ppbV	98
84)	bromoform	6.753	173	228842	11.752	ppbV	100
85)	styrene	6.931	104	373061	11.806	ppbV	98
86)	1,1,2,2-tetrachloroethane	6.978	83	348590	11.426	ppbV	97
87)	o-xylene	6.984	91	446654	10.951	ppbV	99
88)	1,2,3-trichloropropane	7.042	75	236202	10.253	ppbV	99
89)	nonane	7.147	43	243678	10.139	ppbV	99
91)	isopropylbenzene	7.292	105	591570	10.470	ppbV	99
92)	bromobenzene	7.304	77	371746	9.957	ppbV	100
93)	2-chlorotoluene	7.512	126	154765	10.156	ppbV	99
94)	n-propylbenzene	7.552	120	170765	10.187	ppbV	92
95)	4-chlorotoluene	7.552	126	150446	9.658	ppbV	84
96)	4-ethyl toluene	7.632	105	617130	11.368	ppbV	99
97)	1,3,5-trimethylbenzene	7.680	105	551320	11.888	ppbV	99
98)	tert-butylbenzene	7.887	119	555343	10.732	ppbV	99
99)	1,2,4-trimethylbenzene	7.895	105	571326	12.282	ppbV	94
100)	decane	7.999	57	326228	10.678	ppbV	100
101)	Benzyl Chloride	7.951	91	372246	9.520	ppbV	98
102)	1,3-dichlorobenzene	7.951	146	386557	11.534	ppbV	99
103)	1,4-dichlorobenzene	7.991	146	391432	11.530	ppbV	98
104)	sec-butylbenzene	8.039	105	734793	10.724	ppbV	99
106)	p-isopropyltoluene	8.143	119	690852	10.603	ppbV	100
107)	1,2-dichlorobenzene	8.175	146	373188	11.463	ppbV	98
108)	n-butylbenzene	8.382	91	648452	11.392	ppbV	99
111)	1,2-dibromo-3-chloropr...	8.430	75	150074	10.142	ppbV	99
112)	undecane	8.726	57	417026	11.287	ppbV	100
114)	dodecane	9.335	57	488750	12.537	ppbV	99
115)	1,2,4-trichlorobenzene	9.183	180	395776	12.922	ppbV	99
116)	naphthalene	9.235	128	782429	10.232	ppbV	100
117)	1,2,3-trichlorobenzene	9.387	180	335658	10.853	ppbV	99
119)	hexachlorobutadiene	9.463	225	279230	13.038	ppbV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 08 11:33:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:12:35 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107T_I\R267631.D
Sub List : Default-ICV-AP2 - All compounds listed

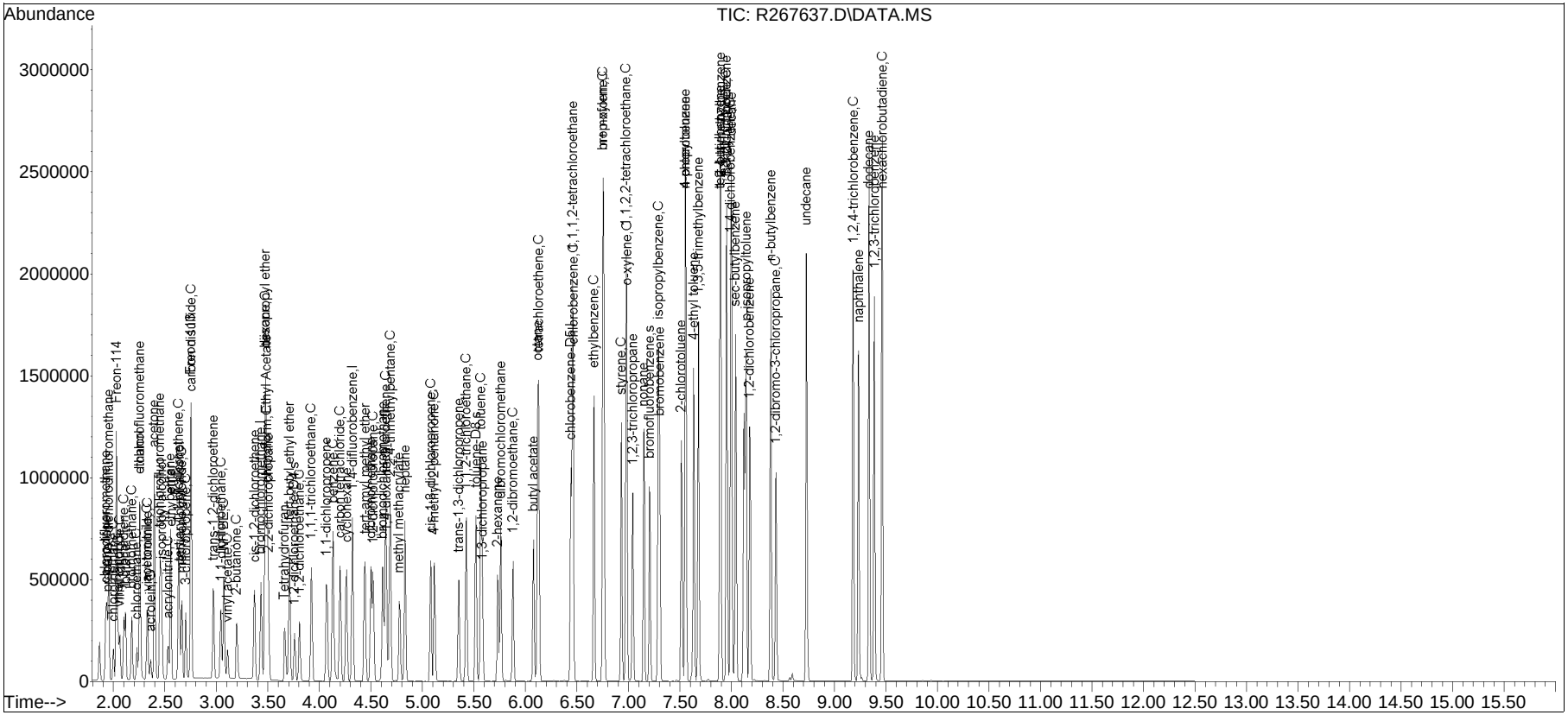
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sub List : Default-ICV-AP2 - All compounds listedI\R267631.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107T_I\
Data File : R267637.D
Acq On : 08 Jan 2026 11:09 am
Operator : AIRLAB26:KJD
Sample : CTO15-LLSTD010
Misc : WG2163114
ALS Vial : 2 Sample Multiplier: 1

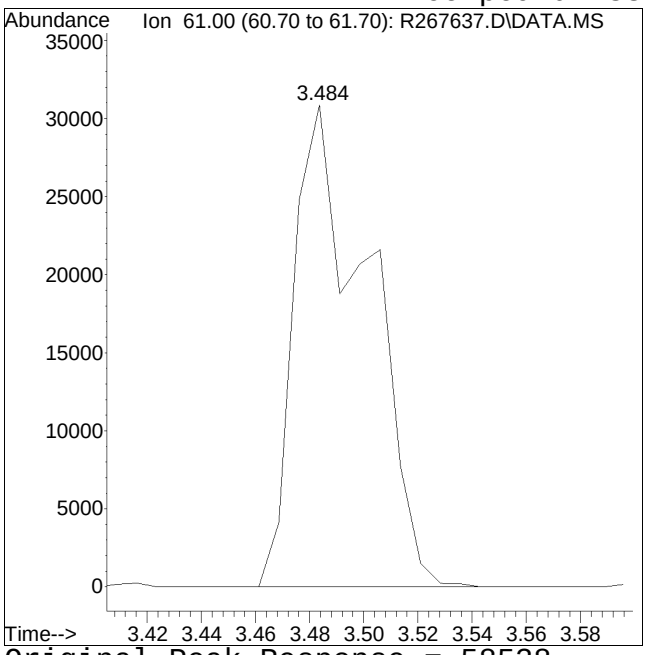
Quant Time: Jan 08 11:33:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107T_I\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:12:35 2026
Response via : Initial Calibration



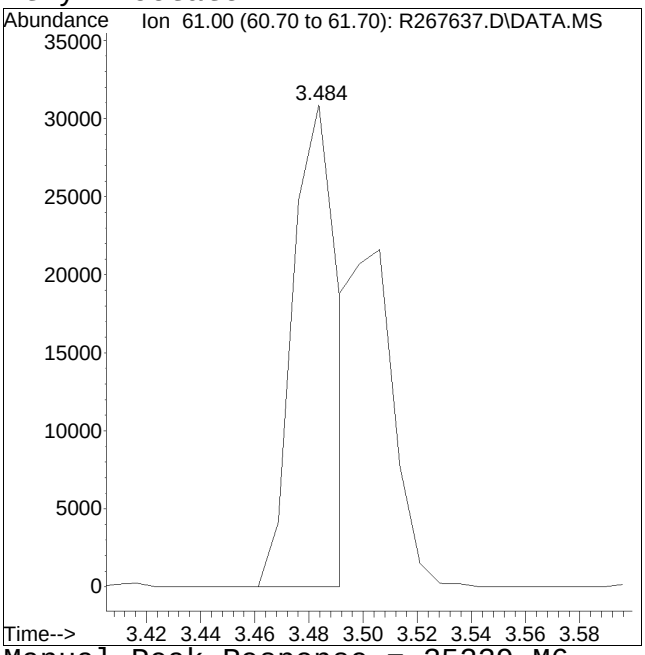
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267637.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:09 am Instrument : Airlab26
Sample : CTO15-LLSTD010 Quant Date : 1/8/2026 11:33 am

Compound #38: Ethyl Acetate



Original Peak Response = 58538



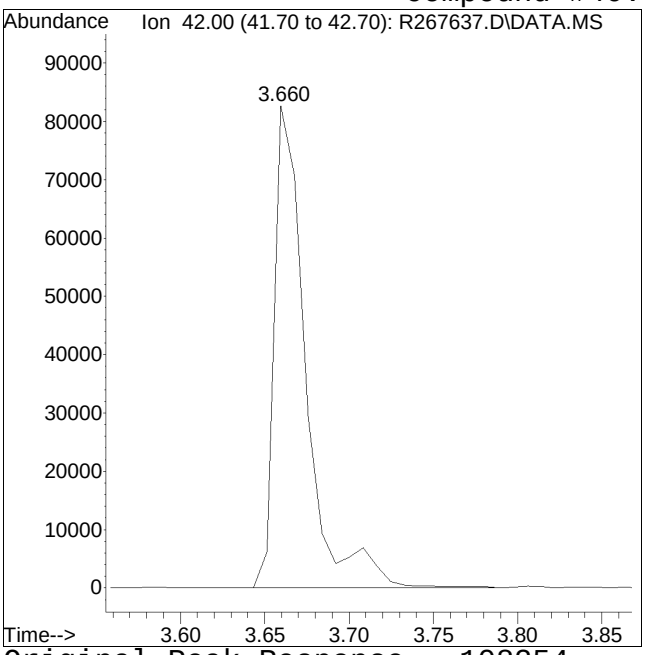
Manual Peak Response = 35239 M6

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

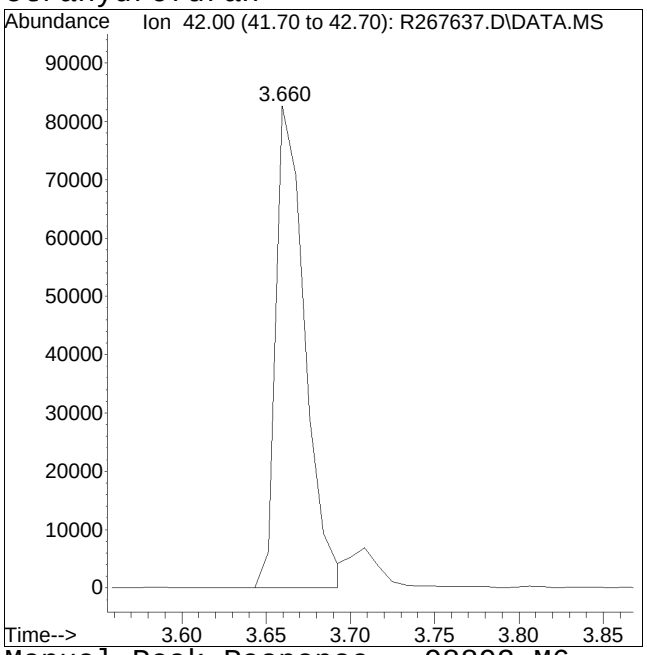
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R267637.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:09 am Instrument : Airlab26
Sample : CTO15-LLSTD010 Quant Date : 1/8/2026 11:33 am

Compound #40: Tetrahydrofuran



Original Peak Response = 108254



Manual Peak Response = 98892 M6

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Instrument ID	: AIRLAB26	Calibration Date	: 03/11/26 12:00
Lab File ID	: R268997	Init. Calib. Date(s)	: 01/07/26 01/08/26
Sample No	: WG2184098-2	Init. Calib. Times	: 22:38 02:40
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	88	0
chlorodifluoromethane	0.685	1.017	-	-48.5*	30	139	.01
propylene	0.666	0.651	-	2.3	30	87	0
propane	0.385	0.338	-	12.2	30	77	0
dichlorodifluoromethane	1.968	2.026	-	-2.9	30	91	0
chloromethane	0.719	0.628	-	12.7	30	80	0
Freon-114	2.169	2.177	-	-0.4	30	90	0
methanol	0.209	0.169	-	19.1	30	65	.01
vinyl chloride	0.834	0.827	-	0.8	30	91	0
1,3-butadiene	0.573	0.586	-	-2.3	30	98	0
butane	1.021	0.904	-	11.5	30	78	0
bromomethane	0.795	0.951	-	-19.6	30	110	0
chloroethane	0.471	0.516	-	-9.6	30	98	0
ethanol	0.374	0.36	-	3.7	30	82	0
dichlorofluoromethane	1.897	1.882	-	0.8	30	85	0
vinyl bromide	0.82	0.922	-	-12.4	30	108	.01
acrolein	0.39	0.338	-	13.3	30	81	0
acetone	0.877	1.034	-	-17.9	30	109	.01
acetonitrile	0.627	0.597	-	4.8	30	87	.01
trichlorofluoromethane	1.817	2.05	-	-12.8	30	101	0
isopropyl alcohol	1.09	1.121	-	-2.8	30	107	0
acrylonitrile	0.691	0.628	-	9.1	30	82	0
pentane	1.259	1.243	-	1.3	30	96	0
ethyl ether	0.616	0.543	-	11.9	30	81	0
1,1-dichloroethene	1.143	1.205	-	-5.4	30	95	0
tertiary butyl alcohol	1.499	1.333	-	11.1	30	81	0
methylene chloride	0.738	0.767	-	-3.9	30	94	0
3-chloropropene	0.755	0.739	-	2.1	30	91	0
carbon disulfide	2.115	2.415	-	-14.2	30	100	0
Freon 113	1.624	1.739	-	-7.1	30	96	0
trans-1,2-dichloroethene	1.02	1.042	-	-2.2	30	95	0
1,1-dichloroethane	1.377	1.355	-	1.6	30	89	0
MTBE	2.055	1.987	-	3.3	30	86	0
vinyl acetate	1.45	0.994	-	31.4*	30	61	0
2-butanone	1.594	1.239	-	22.3	30	69	0
cis-1,2-dichloroethene	1.138	0.989	-	13.1	30	77	0
Ethyl Acetate	0.323	0.262	-	18.9	30	89	0
chloroform	1.671	1.584	-	5.2	30	83	0
Tetrahydrofuran	0.694	0.697	-	-0.4	30	87	0
2,2-dichloropropane	1.399	1.137	-	18.7	30	70	0
1,2-dichloroethane	0.985	0.898	-	8.8	30	79	0
1,4-difluorobenzene	1	1	-	0	30	88	0
hexane	0.408	0.354	-	13.2	30	89	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Instrument ID	: AIRLAB26	Calibration Date	: 03/11/26 12:00
Lab File ID	: R268997	Init. Calib. Date(s)	: 01/07/26 01/08/26
Sample No	: WG2184098-2	Init. Calib. Times	: 22:38 02:40
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
diisopropyl ether	0.29	0.231	-	20.3	30	70	0
tert-butyl ethyl ether	0.767	0.58	-	24.4	30	65	0
1,1,1-trichloroethane	0.508	0.461	-	9.3	30	83	0
1,1-dichloropropene	0.451	0.403	-	10.6	30	72	0
benzene	0.848	0.779	-	8.1	30	81	0
carbon tetrachloride	0.486	0.484	-	0.4	30	87	0
cyclohexane	0.388	0.354	-	8.8	30	83	0
tert-amyl methyl ether	0.799	0.595	-	25.5	30	65	0
dibromomethane	0.319	0.274	-	14.1	30	75	0
1,2-dichloropropane	0.303	0.277	-	8.6	30	79	0
bromodichloromethane	0.519	0.527	-	-1.5	30	91	0
1,4-dioxane	0.186	0.176	-	5.4	30	88	0
trichloroethene	0.406	0.366	-	9.9	30	82	0
2,2,4-trimethylpentane	1.177	1.111	-	5.6	30	84	0
methyl methacrylate	0.305	0.264	-	13.4	30	75	0
heptane	0.396	0.354	-	10.6	30	82	0
cis-1,3-dichloropropene	0.438	0.467	-	-6.6	30	94	0
4-methyl-2-pentanone	0.498	0.449	-	9.8	30	80	0
trans-1,3-dichloropropene	0.338	0.348	-	-3	30	92	0
1,1,2-trichloroethane	0.357	0.334	-	6.4	30	80	0
chlorobenzene-D5	1	1	-	0	30	84	0
toluene	7.091	6.851	-	3.4	30	80	0
1,3-dichloropropane	3.351	2.912	-	13.1	30	71	0
2-hexanone	3.274	3.11	-	5	30	79	0
dibromochloromethane	3.662	4.067	-	-11.1	30	94	0
1,2-dibromoethane	3.621	3.759	-	-3.8	30	87	0
butyl acetate	1.013	0.831	-	18	30	70	0
octane	2.379	1.991	-	16.3	30	68	0
tetrachloroethene	3.239	3.276	-	-1.1	30	85	0
1,1,1,2-tetrachloroethane	2.803	2.554	-	8.9	30	74	0
chlorobenzene	5.523	5.311	-	3.8	30	79	0
ethylbenzene	8.904	8.39	-	5.8	30	77	0
m+p-xylene	6.85	6.715	-	2	30	80	0
bromoform	3.295	3.931	-	-19.3	30	99	0
styrene	5.346	5.202	-	2.7	30	79	0
1,1,2,2-tetrachloroethane	5.162	5.039	-	2.4	30	80	0
o-xylene	6.901	6.491	-	5.9	30	78	0
1,2,3-trichloropropane	3.898	3.478	-	10.8	30	72	0
nonane	4.066	3.517	-	13.5	30	70	0
isopropylbenzene	9.56	9.026	-	5.6	30	73	0
bromobenzene	6.317	5.547	-	12.2	30	71	0
2-chlorotoluene	2.578	2.342	-	9.2	30	72	0
n-propylbenzene	2.836	2.587	-	8.8	30	73	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Calibration Date**	: 03/11/26 12:00
Lab File ID	: R268997	**Init. Calib. Date(s)**	: 01/07/26 01/08/26
Sample No	: WG2184098-2	**Init. Calib. Times**	: 22:38 02:40
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4-chlorotoluene	2.636	2.314	-	12.2	30	71	0
4-ethyl toluene	9.185	9.842	-	-7.2	30	87	0
1,3,5-trimethylbenzene	7.846	7.849	-	-0	30	82	0
tert-butylbenzene	8.755	8.164	-	6.8	30	73	0
1,2,4-trimethylbenzene	7.87	8.191	-	-4.1	30	82	0
decane	5.169	4.643	-	10.2	30	70	0
Benzyl Chloride	6.616	5.22	-	21.1	30	65	0
1,3-dichlorobenzene	5.67	5.587	-	1.5	30	80	0
1,4-dichlorobenzene	5.741	5.644	-	1.7	30	79	0
sec-butylbenzene	11.845	11.246	-	5.1	30	73	0
p-isopropyltoluene	11.024	10.263	-	6.9	30	72	0
1,2-dichlorobenzene	5.508	5.428	-	1.5	30	81	0
n-butylbenzene	9.631	9.595	-	0.4	30	76	0
1,2-dibromo-3-chloropropan	2.504	2.085	-	16.7	30	63	0
undecane	6.251	5.557	-	11.1	30	64	0
dodecane	6.596	6.269	-	5	30	61	0
1,2,4-trichlorobenzene	5.182	4.619	-	10.9	30	67	0
naphthalene	12.938	9.889	-	23.6	30	55	0
1,2,3-trichlorobenzene	5.233	4.446	-	15	30	58	0
hexachlorobutadiene	3.624	3.616	-	0.2	30	74	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	bromochloromethane	1.000	1.000	0.0	88	0.00
2		chlorodifluoromethane	0.685	1.017	-48.5#	139	0.01
3		propylene	0.666	0.651	2.3	87	0.00
4		propane	0.385	0.338	12.2	77	0.00
5		dichlorodifluoromethane	1.968	2.026	-2.9	91	0.00
6	C	chloromethane	0.719	0.628	12.7	80	0.00
7		Freon-114	2.169	2.177	-0.4	90	0.00
8	C	methanol	0.209	0.169	19.1	65	0.01
9	C	vinyl chloride	0.834	0.827	0.8	91	0.00
10	C	1,3-butadiene	0.573	0.586	-2.3	98	0.00
11		butane	1.021	0.904	11.5	78	0.00
13	C	bromomethane	0.795	0.951	-19.6	110	0.00
14	C	chloroethane	0.471	0.516	-9.6	98	0.00
15		ethanol	0.374	0.360	3.7	82	0.00
16		dichlorofluoromethane	1.897	1.882	0.8	85	0.00
17	C	vinyl bromide	0.820	0.922	-12.4	108	0.01
18	C	acrolein	0.390	0.338	13.3	81	0.00
19		acetone	0.877	1.034	-17.9	109	0.01
20	C	acetonitrile	0.627	0.597	4.8	87	0.01
21		trichlorofluoromethane	1.817	2.050	-12.8	101	0.00
22		isopropyl alcohol	1.090	1.121	-2.8	107	0.00
23	C	acrylonitrile	0.691	0.628	9.1	82	0.00
24		pentane	1.259	1.243	1.3	96	0.00
25		ethyl ether	0.616	0.543	11.9	81	0.00
26	C	1,1-dichloroethene	1.143	1.205	-5.4	95	0.00
27		tertiary butyl alcohol	1.499	1.333	11.1	81	0.00
28	C	methylene chloride	0.738	0.767	-3.9	94	0.00
29	C	3-chloropropene	0.755	0.739	2.1	91	0.00
30	C	carbon disulfide	2.115	2.415	-14.2	100	0.00
31		Freon 113	1.624	1.739	-7.1	96	0.00
32		trans-1,2-dichloroethene	1.020	1.042	-2.2	95	0.00
33	C	1,1-dichloroethane	1.377	1.355	1.6	89	0.00
34	C	MTBE	2.055	1.987	3.3	86	0.00
35	C	vinyl acetate	1.450	0.994	31.4#	61	0.00
36	C	2-butanone	1.594	1.239	22.3	69	0.00
37		cis-1,2-dichloroethene	1.138	0.989	13.1	77	0.00
38		Ethyl Acetate	0.323	0.262	18.9	89	0.00
39	C	chloroform	1.671	1.584	5.2	83	0.00
40		Tetrahydrofuran	0.694	0.697	-0.4	87	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	1.399	1.137	18.7	70	0.00
42	C	1,2-dichloroethane	0.985	0.898	8.8	79	0.00
43	I	1,4-difluorobenzene	1.000	1.000	0.0	88	0.00
44	C	hexane	0.408	0.354	13.2	89	0.00
45		diisopropyl ether	0.290	0.231	20.3	70	0.00
46		tert-butyl ethyl ether	0.767	0.580	24.4	65	0.00
48	C	1,1,1-trichloroethane	0.508	0.461	9.3	83	0.00
49		1,1-dichloropropene	0.451	0.403	10.6	72	0.00
50	C	benzene	0.848	0.779	8.1	81	0.00
52	C	carbon tetrachloride	0.486	0.484	0.4	87	0.00
53		cyclohexane	0.388	0.354	8.8	83	0.00
54		tert-amyl methyl ether	0.799	0.595	25.5	65	0.00
55		dibromomethane	0.319	0.274	14.1	75	0.00
56	C	1,2-dichloropropane	0.303	0.277	8.6	79	0.00
57		bromodichloromethane	0.519	0.527	-1.5	91	0.00
58	C	1,4-dioxane	0.186	0.176	5.4	88	0.00
59	C	trichloroethene	0.406	0.366	9.9	82	0.00
60	C	2,2,4-trimethylpentane	1.177	1.111	5.6	84	0.00
61		methyl methacrylate	0.305	0.264	13.4	75	0.00
62		heptane	0.396	0.354	10.6	82	0.00
63	C	cis-1,3-dichloropropene	0.438	0.467	-6.6	94	0.00
64	C	4-methyl-2-pentanone	0.498	0.449	9.8	80	0.00
65		trans-1,3-dichloropropene	0.338	0.348	-3.0	92	0.00
66	C	1,1,2-trichloroethane	0.357	0.334	6.4	80	0.00
67	I	chlorobenzene-D5	1.000	1.000	0.0	84	0.00
68	C	toluene	7.091	6.851	3.4	80	0.00
71		1,3-dichloropropane	3.351	2.912	13.1	71	0.00
72		2-hexanone	3.274	3.110	5.0	79	0.00
74		dibromochloromethane	3.662	4.067	-11.1	94	0.00
75	C	1,2-dibromoethane	3.621	3.759	-3.8	87	0.00
76		butyl acetate	1.013	0.831	18.0	70	0.00
77		octane	2.379	1.991	16.3	68	0.00
78	C	tetrachloroethene	3.239	3.276	-1.1	85	0.00
79		1,1,1,2-tetrachloroethane	2.803	2.554	8.9	74	0.00
80	C	chlorobenzene	5.523	5.311	3.8	79	0.00
81	C	ethylbenzene	8.904	8.390	5.8	77	0.00
83	C	m+p-xylene	6.850	6.715	2.0	80	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	3.295	3.931	-19.3	99	0.00
85	C	styrene	5.346	5.202	2.7	79	0.00
86	C	1,1,2,2-tetrachloroethane	5.162	5.039	2.4	80	0.00
87	C	o-xylene	6.901	6.491	5.9	78	0.00
88		1,2,3-trichloropropane	3.898	3.478	10.8	72	0.00
89		nonane	4.066	3.517	13.5	70	0.00
91	C	isopropylbenzene	9.560	9.026	5.6	73	0.00
92		bromobenzene	6.317	5.547	12.2	71	0.00
93		2-chlorotoluene	2.578	2.342	9.2	72	0.00
94		n-propylbenzene	2.836	2.587	8.8	73	0.00
95		4-chlorotoluene	2.636	2.314	12.2	71	0.00
96		4-ethyl toluene	9.185	9.842	-7.2	87	0.00
97		1,3,5-trimethylbenzene	7.846	7.849	-0.0	82	0.00
98		tert-butylbenzene	8.755	8.164	6.8	73	0.00
99		1,2,4-trimethylbenzene	7.870	8.191	-4.1	82	0.00
100		decane	5.169	4.643	10.2	70	0.00
101	C	Benzyl Chloride	6.616	5.220	21.1	65	0.00
102		1,3-dichlorobenzene	5.670	5.587	1.5	80	0.00
103	C	1,4-dichlorobenzene	5.741	5.644	1.7	79	0.00
104		sec-butylbenzene	11.845	11.246	5.1	73	0.00
106		p-isopropyltoluene	11.024	10.263	6.9	72	0.00
107		1,2-dichlorobenzene	5.508	5.428	1.5	81	0.00
108		n-butylbenzene	9.631	9.595	0.4	76	0.00
111	C	1,2-dibromo-3-chloropropane	2.504	2.085	16.7	63	0.00
112		undecane	6.251	5.557	11.1	64	0.00
114		dodecane	6.596	6.269	5.0	61	0.00
115	C	1,2,4-trichlorobenzene	5.182	4.619	10.9	67	0.00
116		naphthalene	12.938	9.889	23.6	55#	0.00
117		1,2,3-trichlorobenzene	5.233	4.446	15.0	58#	0.00
119	C	hexachlorobutadiene	3.624	3.616	0.2	74	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\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	155717	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 100.00%			
43) 1,4-difluorobenzene	4.321	114	520424	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 100.00%			
67) chlorobenzene-D5	6.442	54	71975	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
2) chlorodifluoromethane	1.931	51	158413	14.848	ppbV #	68
3) propylene	1.936	41	101378	9.777	ppbV	99
4) propane	1.947	29	52574	8.775	ppbV	95
5) dichlorodifluoromethane	1.958	85	315550	10.296	ppbV	99
6) chloromethane	2.002	50	97747	8.728	ppbV	99
7) Freon-114	2.035	85	338998	10.037	ppbV	96
8) methanol	2.052	31	131956	40.611	ppbV #	76
9) vinyl chloride	2.068	62	128735	9.915	ppbV	97
10) 1,3-butadiene	2.107	54	91230	10.220	ppbV	96
11) butane	2.123	43	140838	8.860	ppbV	99
13) bromomethane	2.184	94	148020	11.963	ppbV	98
14) chloroethane	2.233	64	80314	10.950	ppbV	97
15) ethanol	2.266	31	280555	48.147	ppbV	93
16) dichlorofluoromethane	2.260	67	293105	9.922	ppbV	99
17) vinyl bromide	2.339	106	143577	11.241	ppbV	98
18) acrolein	2.367	56	52569	8.659	ppbV	95
19) acetone	2.407	43	805367	58.954	ppbV	99
20) acetonitrile	2.333	41	92940	9.524	ppbV	97
21) trichlorofluoromethane	2.458	101	319185	11.284	ppbV	98
22) isopropyl alcohol	2.475	45	436443	25.704	ppbV	99
23) acrylonitrile	2.537	53	97797	9.089	ppbV	99
24) pentane	2.560	43	193515	9.873	ppbV	99
25) ethyl ether	2.565	31	84573	8.819	ppbV	100
26) 1,1-dichloroethene	2.637	61	187696	10.542	ppbV	99
27) tertiary butyl alcohol	2.646	59	207577	8.895	ppbV	96
28) methylene chloride	2.670	49	119492	10.404	ppbV	99
29) 3-chloropropene	2.708	41	115040	9.785	ppbV	99
30) carbon disulfide	2.761	76	375997	11.416	ppbV	95
31) Freon 113	2.761	101	270716	10.703	ppbV	97

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
32) trans-1,2-dichloroethene	2.978	61	162291	10.216	ppbV		98
33) 1,1-dichloroethane	3.049	63	210996	9.843	ppbV		98
34) MTBE	3.080	73	309334	9.667	ppbV		98
35) vinyl acetate	3.115	43	154799	6.858	ppbV		98
36) 2-butanone	3.204	43	192903	7.770	ppbV		99
37) cis-1,2-dichloroethene	3.372	61	154073	8.698	ppbV		95
38) Ethyl Acetate	3.484	61	40826M6	8.115	ppbV		
39) chloroform	3.499	83	246606	9.477	ppbV		99
40) Tetrahydrofuran	3.668	42	108493	10.035	ppbV		98
41) 2,2-dichloropropane	3.506	77	177060	8.127	ppbV		100
42) 1,2-dichloroethane	3.814	62	139840	9.115	ppbV		97
44) hexane	3.476	57	184222	8.669	ppbV	#	51
45) diisopropyl ether	3.484	87	120014	7.965	ppbV		97
46) tert-butyl ethyl ether	3.717	59	301706	7.557	ppbV		98
48) 1,1,1-trichloroethane	3.928	97	240055	9.085	ppbV		98
49) 1,1-dichloropropene	4.076	75	209968	8.940	ppbV		94
50) benzene	4.133	78	405337	9.187	ppbV		99
52) carbon tetrachloride	4.208	117	251920	9.956	ppbV		96
53) cyclohexane	4.264	56	184000	9.107	ppbV		99
54) tert-amyl methyl ether	4.444	73	309768	7.446	ppbV		99
55) dibromomethane	4.500	93	142414	8.587	ppbV		99
56) 1,2-dichloropropane	4.528	63	144286	9.145	ppbV		96
57) bromodichloromethane	4.613	83	274368	10.155	ppbV		99
58) 1,4-dioxane	4.651	88	91683	9.447	ppbV		97
59) trichloroethene	4.641	130	190634	9.021	ppbV		99
60) 2,2,4-trimethylpentane	4.689	57	578145	9.440	ppbV		99
61) methyl methacrylate	4.783	41	137211	8.651	ppbV		96
62) heptane	4.830	43	184091	8.926	ppbV		98
63) cis-1,3-dichloropropene	5.082	75	243060	10.660	ppbV		98
64) 4-methyl-2-pentanone	5.122	43	233650	9.007	ppbV		97
65) trans-1,3-dichloropropene	5.353	75	181250	10.315	ppbV		99
66) 1,1,2-trichloroethane	5.425	97	174030	9.368	ppbV		99
68) toluene	5.569	91	493103	9.662	ppbV		97
71) 1,3-dichloropropane	5.584	76	209574	8.689	ppbV		95
72) 2-hexanone	5.736	43	223854	9.499	ppbV		98
74) dibromochloromethane	5.760	129	292754	11.107	ppbV		99
75) 1,2-dibromoethane	5.880	107	270523	10.381	ppbV		97
76) butyl acetate	6.079	73	59805	8.199	ppbV		100
77) octane	6.119	85	143287	8.368	ppbV		98
78) tetrachloroethene	6.127	166	235789	10.115	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

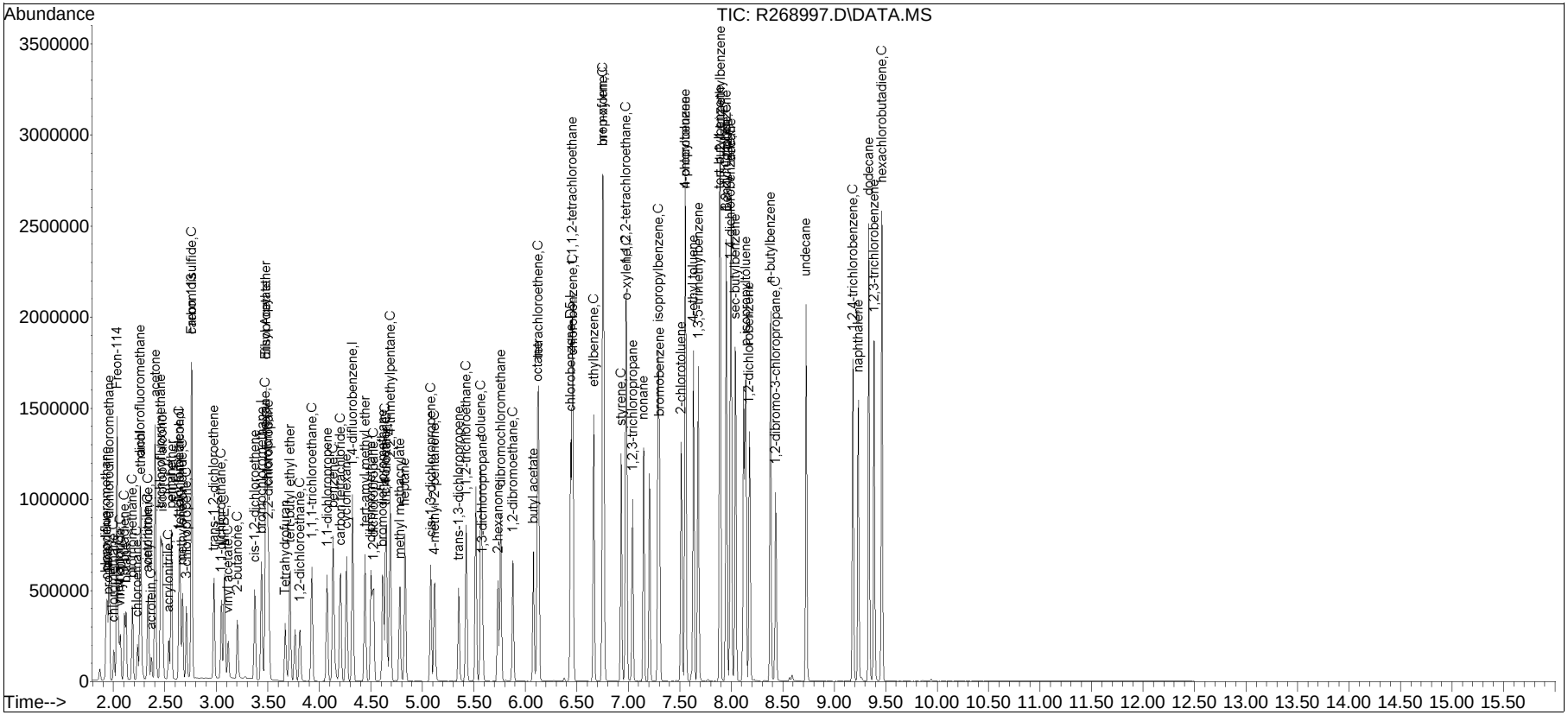
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 1,1,1,2-tetrachloroethane	6.458	131	183795	9.110	ppbV	100
80) chlorobenzene	6.464	112	382225	9.616	ppbV	97
81) ethylbenzene	6.666	91	603842	9.422	ppbV	99
83) m+p-xylene	6.753	91	966590	19.605	ppbV	96
84) bromoform	6.753	173	282914	11.931	ppbV	99
85) styrene	6.931	104	374419	9.730	ppbV	98
86) 1,1,2,2-tetrachloroethane	6.978	83	362711	9.763	ppbV	99
87) o-xylene	6.984	91	467157	9.405	ppbV	99
88) 1,2,3-trichloropropane	7.042	75	250342	8.924	ppbV	100
89) nonane	7.147	43	253125	8.649	ppbV	95
91) isopropylbenzene	7.292	105	649681	9.442	ppbV	97
92) bromobenzene	7.304	77	399262	8.781	ppbV	92
93) 2-chlorotoluene	7.512	126	168573	9.084	ppbV	100
94) n-propylbenzene	7.552	120	186181	9.120	ppbV	86
95) 4-chlorotoluene	7.552	126	166564	8.781	ppbV	85
96) 4-ethyl toluene	7.632	105	708377	10.715	ppbV	100
97) 1,3,5-trimethylbenzene	7.680	105	564934	10.004	ppbV	99
98) tert-butylbenzene	7.887	119	587580	9.324	ppbV	100
99) 1,2,4-trimethylbenzene	7.895	105	589570	10.408	ppbV	92
100) decane	7.999	57	334201	8.983	ppbV	99
101) Benzyl Chloride	7.951	91	375704	7.890	ppbV	100
102) 1,3-dichlorobenzene	7.951	146	402128	9.853	ppbV	98
103) 1,4-dichlorobenzene	7.991	146	406196	9.830	ppbV	97
104) sec-butylbenzene	8.039	105	809422	9.494	ppbV	100
106) p-isopropyltoluene	8.143	119	738681	9.310	ppbV	99
107) 1,2-dichlorobenzene	8.175	146	390672	9.854	ppbV	95
108) n-butylbenzene	8.382	91	690582	9.963	ppbV	99
111) 1,2-dibromo-3-chloropr...	8.430	75	150038	8.326	ppbV	96
112) undecane	8.726	57	399935	8.889	ppbV	99
114) dodecane	9.335	57	451203	9.504	ppbV	99
115) 1,2,4-trichlorobenzene	9.183	180	332473	8.914	ppbV	99
116) naphthalene	9.235	128	711742	7.643	ppbV	99
117) 1,2,3-trichlorobenzene	9.387	180	320027	8.497	ppbV	99
119) hexachlorobutadiene	9.463	225	260247	9.979	ppbV	96

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

Sub List : Default-LCS-AP2 - All compounds listedR268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-2,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

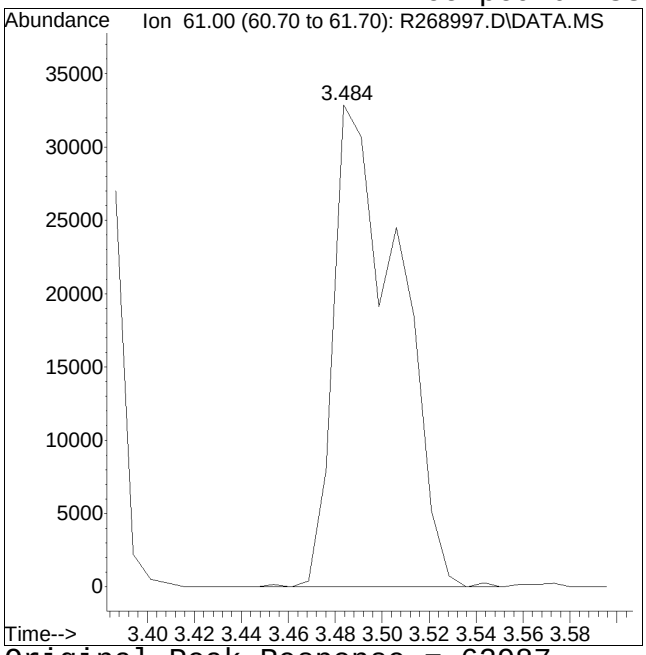
Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration



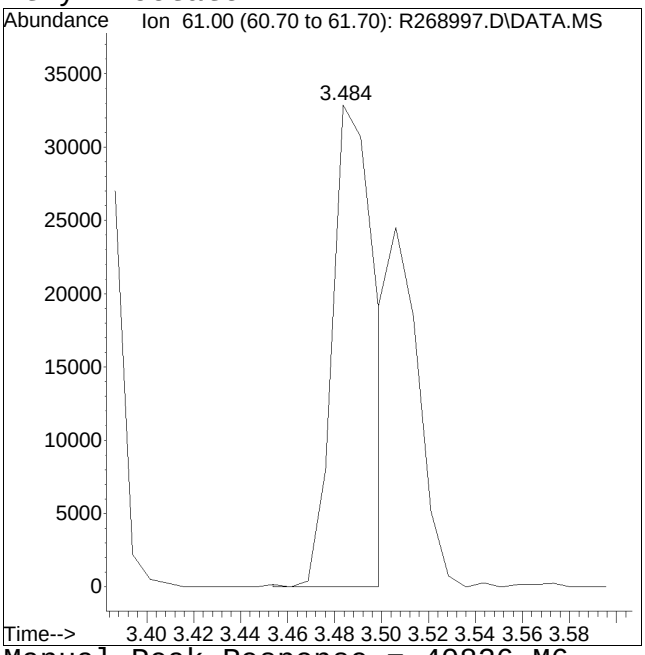
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R268997.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:00 pm Instrument : Airlab26
Sample : WG2184098-2,3,250,250 Quant Date : 3/11/2026 12:45 pm

Compound #38: Ethyl Acetate



Original Peak Response = 62987



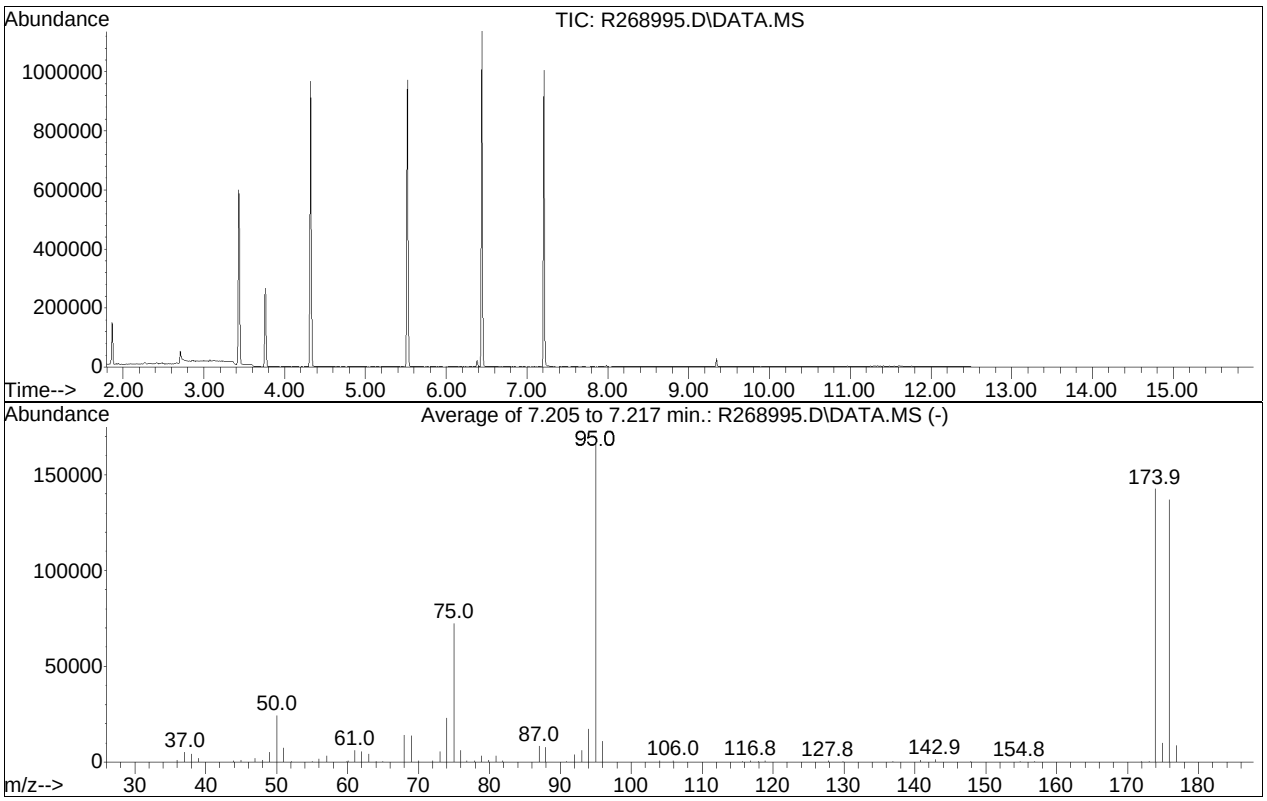
Manual Peak Response = 40826 M6

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

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268995.D
Acq On : 11 Mar 2026 10:23 am
Operator : AIRLAB26:TPH
Sample : WG2184098-1,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 15:58:39 2026



Spectrum Information: Average of 7.205 to 7.217 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	24257	PASS
75	95	30	66	43.4	72368	PASS
95	95	100	100	100.0	166728	PASS
96	95	5	9	6.6	10959	PASS
173	174	0.00	2	0.3	389	PASS
174	95	50	120	85.6	142747	PASS
175	174	4	9	7.0	10001	PASS
176	174	93	101	96.0	137005	PASS
177	176	5	9	6.3	8668	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268999.D
Acq On : 11 Mar 2026 02:26 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-4,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:00:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.431	49	149193	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 95.81%			
43) 1,4-difluorobenzene	4.321	114	486189	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 93.42%			
67) chlorobenzene-D5	6.442	54	66758	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 92.75%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.953		0	N.D.		
6) chloromethane	0.000		0	N.D.		
7) Freon-114	1.953		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	2.173		0	N.D.		
15) ethanol	2.266	31	621	0.111	ppbV #	76
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.412	43	1546	0.118	ppbV #	78
21) trichlorofluoromethane	0.000		0	N.D.		
22) isopropyl alcohol	2.480	45	3264	0.201	ppbV #	94
26) 1,1-dichloroethene	0.000		0	N.D.		
27) tertiary butyl alcohol	2.480		0	N.D.		
28) methylene chloride	2.665	49	471	0.043	ppbV #	73
29) 3-chloropropene	2.660		0	N.D.		
30) carbon disulfide	2.756		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	3.226		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\Airlab26\2026\03\0311T\
Data File : R268999.D
Acq On : 11 Mar 2026 02:26 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-4,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:00:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.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	5.576		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	6.769		0	N.D.		
83) m+p-xylene	6.769		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	7.688		0	N.D.		
97) 1,3,5-trimethylbenzene	7.688		0	N.D.		
99) 1,2,4-trimethylbenzene	7.903		0	N.D.		
101) Benzyl Chloride	0.000		0	N.D.		
102) 1,3-dichlorobenzene	7.967		0	N.D.		
103) 1,4-dichlorobenzene	8.007		0	N.D.		
107) 1,2-dichlorobenzene	8.191		0	N.D.		
115) 1,2,4-trichlorobenzene	9.200		0	N.D.		
116) naphthalene	9.253		0	N.D.		
119) hexachlorobutadiene	9.475		0	N.D.		

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

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268999.D
Acq On : 11 Mar 2026 02:26 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-4,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:00:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

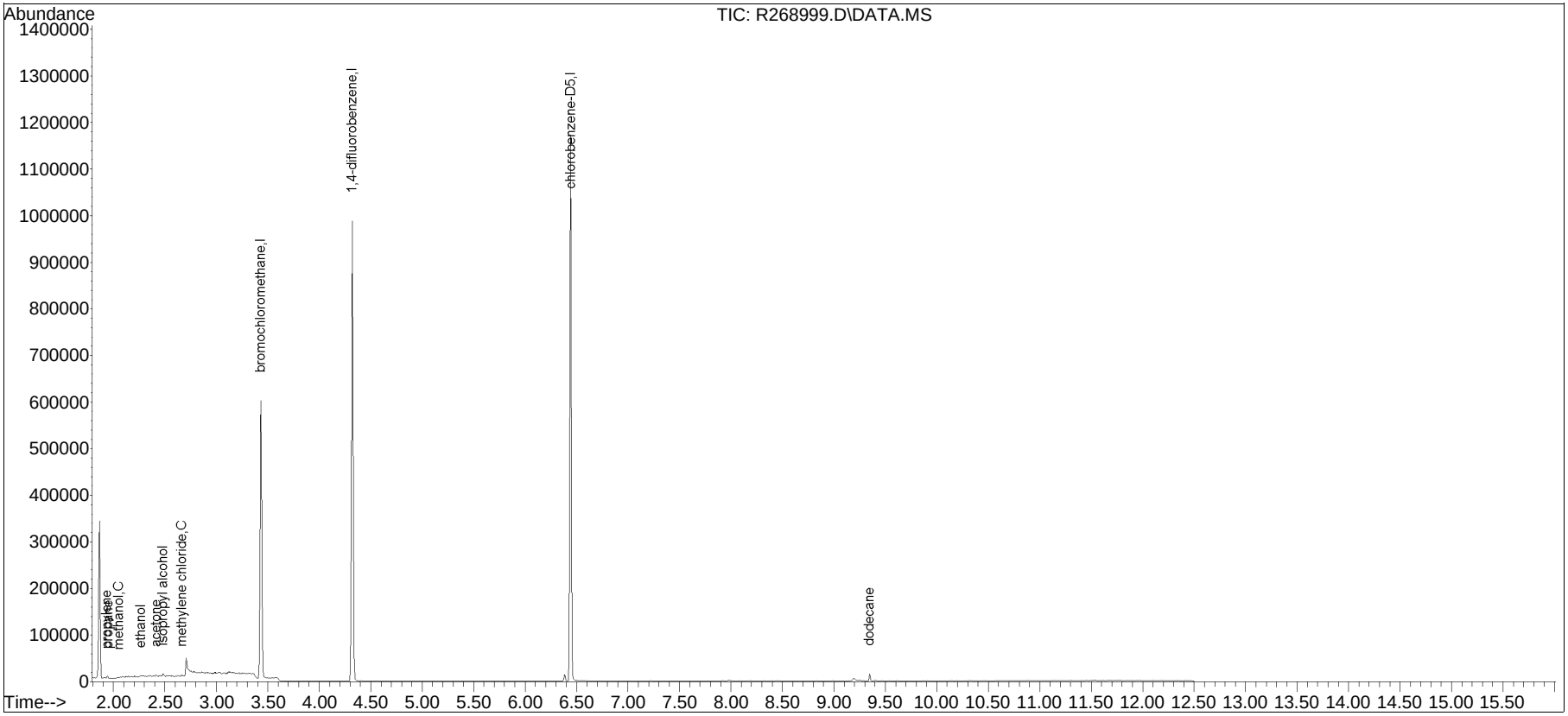
CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

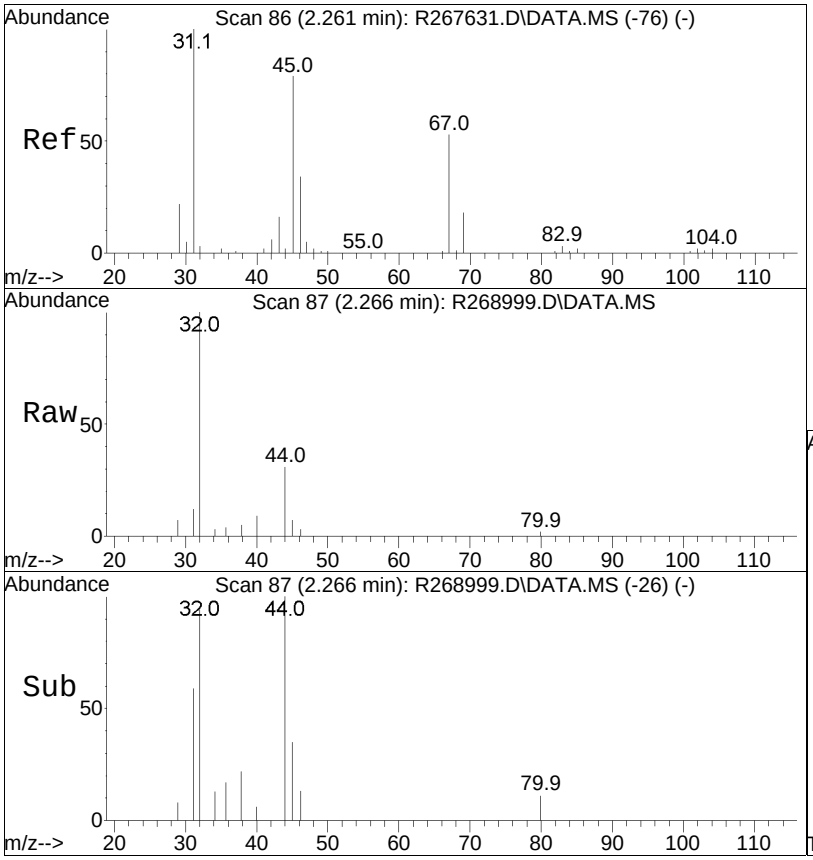
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedR268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268999.D
Acq On : 11 Mar 2026 02:26 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-4,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:00:54 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

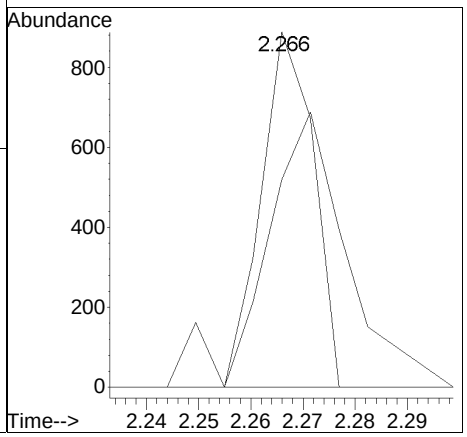


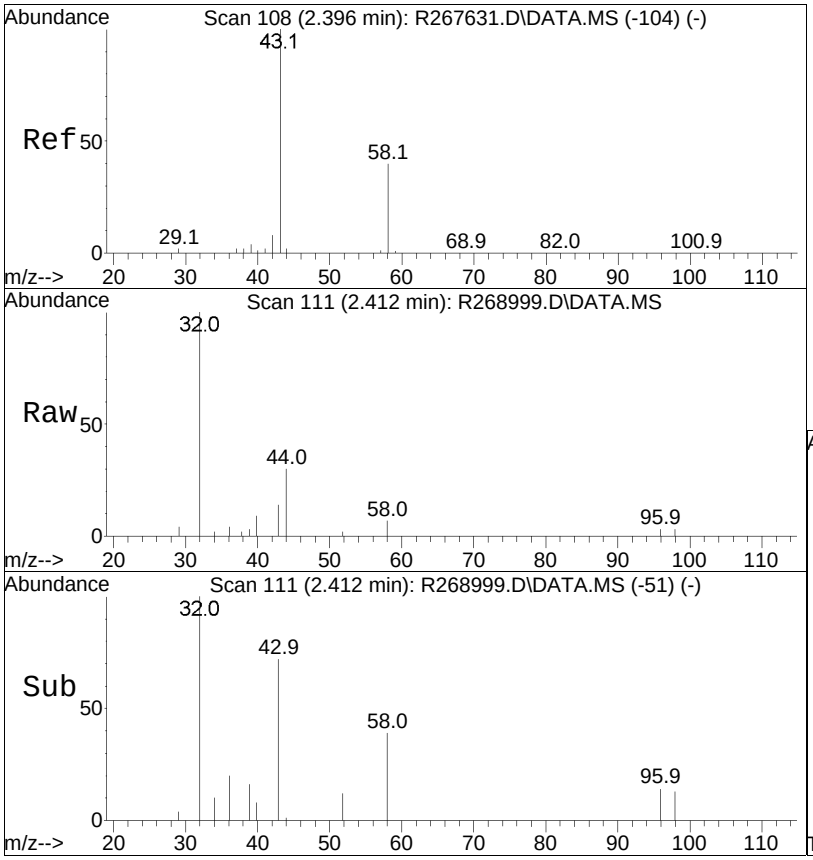


#15
ethanol
Concen: 0.11 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.005 min
Lab File: R268999.D
Acq: 11 Mar 2026 02:26 pm

Tgt Ion: 31 Resp: 621

Ion	Ratio	Lower	Upper
31	100		
45	58.4	63.4	95.0#

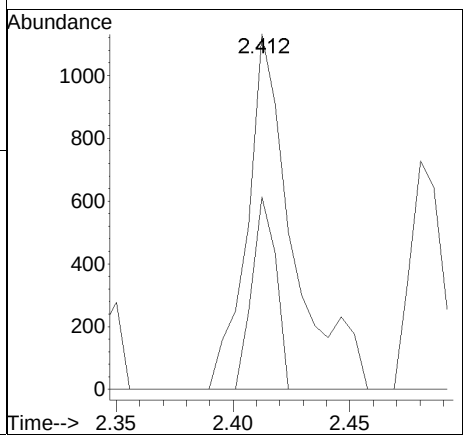


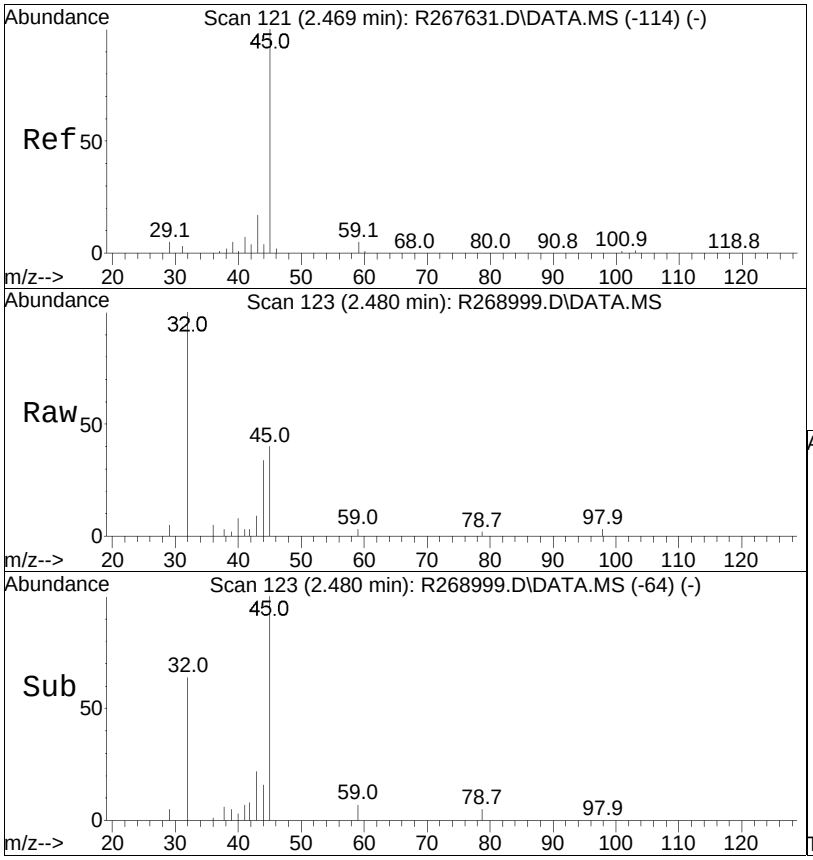


#19
acetone
Concen: 0.12 ppbV
RT: 2.412 min Scan# 111
Delta R.T. 0.017 min
Lab File: R268999.D
Acq: 11 Mar 2026 02:26 pm

Tgt Ion: 43 Resp: 1546

Ion	Ratio	Lower	Upper
43	100		
58	54.2	32.2	48.2#
57	0.0	1.0	1.4#

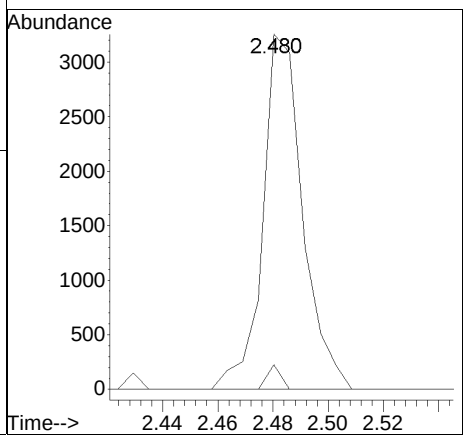


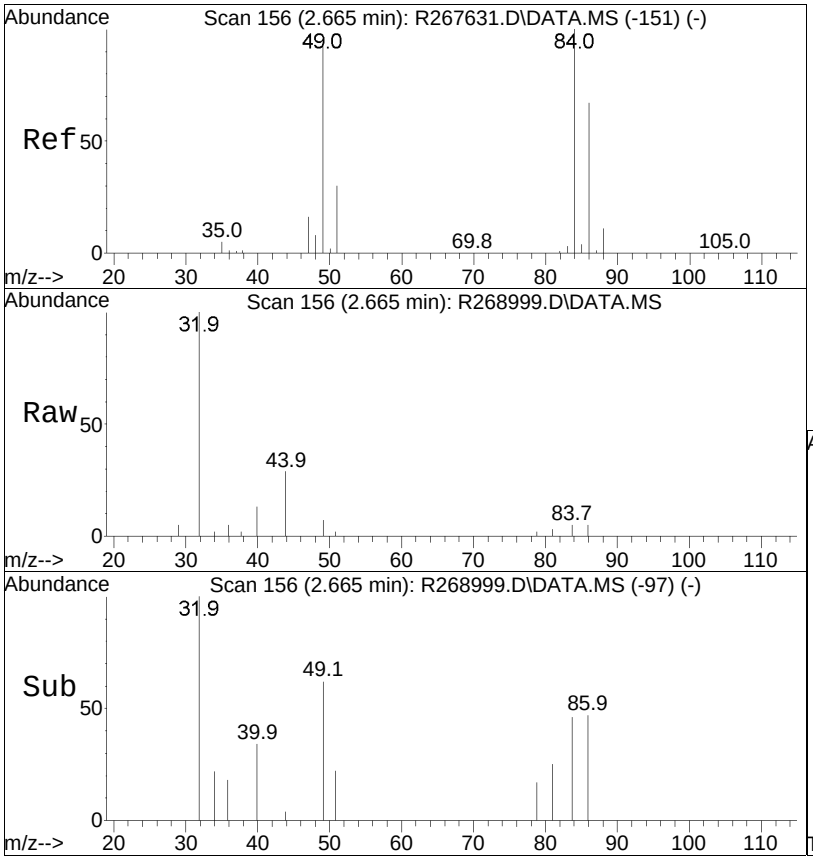


#22
isopropyl alcohol
Concen: 0.20 ppbV
RT: 2.480 min Scan# 123
Delta R.T. 0.011 min
Lab File: R268999.D
Acq: 11 Mar 2026 02:26 pm

Tgt Ion: 45 Resp: 3264

Ion	Ratio	Lower	Upper
45	100		
59	6.9	4.0	6.0#

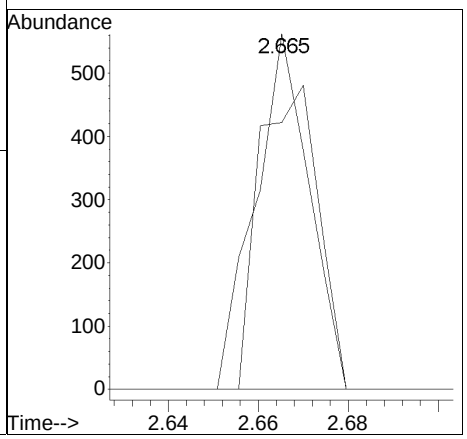




#28
methylene chloride
Concen: 0.04 ppbV
RT: 2.665 min Scan# 156
Delta R.T. -0.000 min
Lab File: R268999.D
Acq: 11 Mar 2026 02:26 pm

Tgt Ion: 49 Resp: 471

Ion	Ratio	Lower	Upper
49	100		
84	75.1	82.0	123.0#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TFS26_260107.M
Data File	: R268999.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 2:26 pm	Instrument	: Airlab26
Sample	: WG2184098-4,3,250,250	Quant Date	: 3/12/2026 7:00 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	bromochloromethane	10.000	10.000	0.0	88	0.00
2		chlorodifluoromethane	10.000	14.848	-48.5#	139	0.01
3		propylene	10.000	9.777	2.2	87	0.00
4		propane	10.000	8.775	12.2	77	0.00
5		dichlorodifluoromethane	10.000	10.296	-3.0	91	0.00
6	C	chloromethane	10.000	8.728	12.7	80	0.00
7		Freon-114	10.000	10.037	-0.4	90	0.00
8	C	methanol	50.000	40.611	18.8	65	0.01
9	C	vinyl chloride	10.000	9.915	0.9	91	0.00
10	C	1,3-butadiene	10.000	10.220	-2.2	98	0.00
11		butane	10.000	8.860	11.4	78	0.00
13	C	bromomethane	10.000	11.963	-19.6	110	0.00
14	C	chloroethane	10.000	10.950	-9.5	98	0.00
15		ethanol	50.000	48.147	3.7	82	0.00
16		dichlorofluoromethane	10.000	9.922	0.8	85	0.00
17	C	vinyl bromide	10.000	11.241	-12.4	108	0.01
18	C	acrolein	10.000	8.659	13.4	81	0.00
19		acetone	50.000	58.954	-17.9	109	0.01
20	C	acetonitrile	10.000	9.524	4.8	87	0.01
21		trichlorofluoromethane	10.000	11.284	-12.8	101	0.00
22		isopropyl alcohol	25.000	25.704	-2.8	107	0.00
23	C	acrylonitrile	10.000	9.089	9.1	82	0.00
24		pentane	10.000	9.873	1.3	96	0.00
25		ethyl ether	10.000	8.819	11.8	81	0.00
26	C	1,1-dichloroethene	10.000	10.542	-5.4	95	0.00
27		tertiary butyl alcohol	10.000	8.895	11.1	81	0.00
28	C	methylene chloride	10.000	10.404	-4.0	94	0.00
29	C	3-chloropropene	10.000	9.785	2.1	91	0.00
30	C	carbon disulfide	10.000	11.416	-14.2	100	0.00
31		Freon 113	10.000	10.703	-7.0	96	0.00
32		trans-1,2-dichloroethene	10.000	10.216	-2.2	95	0.00
33	C	1,1-dichloroethane	10.000	9.843	1.6	89	0.00
34	C	MTBE	10.000	9.667	3.3	86	0.00
35	C	vinyl acetate	10.000	6.858	31.4#	61	0.00
36	C	2-butanone	10.000	7.770	22.3	69	0.00
37		cis-1,2-dichloroethene	10.000	8.698	13.0	77	0.00
38		Ethyl Acetate	10.000	8.115	18.8	89	0.00
39	C	chloroform	10.000	9.477	5.2	83	0.00
40		Tetrahydrofuran	10.000	10.035	-0.4	87	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	8.127	18.7	70	0.00
42	C	1,2-dichloroethane	10.000	9.115	8.8	79	0.00
43	I	1,4-difluorobenzene	10.000	10.000	0.0	88	0.00
44	C	hexane	10.000	8.669	13.3	89	0.00
45		diisopropyl ether	10.000	7.965	20.4	70	0.00
46		tert-butyl ethyl ether	10.000	7.557	24.4	65	0.00
48	C	1,1,1-trichloroethane	10.000	9.085	9.1	83	0.00
49		1,1-dichloropropene	10.000	8.940	10.6	72	0.00
50	C	benzene	10.000	9.187	8.1	81	0.00
52	C	carbon tetrachloride	10.000	9.956	0.4	87	0.00
53		cyclohexane	10.000	9.107	8.9	83	0.00
54		tert-amyl methyl ether	10.000	7.446	25.5	65	0.00
55		dibromomethane	10.000	8.587	14.1	75	0.00
56	C	1,2-dichloropropane	10.000	9.145	8.6	79	0.00
57		bromodichloromethane	10.000	10.155	-1.5	91	0.00
58	C	1,4-dioxane	10.000	9.447	5.5	88	0.00
59	C	trichloroethene	10.000	9.021	9.8	82	0.00
60	C	2,2,4-trimethylpentane	10.000	9.440	5.6	84	0.00
61		methyl methacrylate	10.000	8.651	13.5	75	0.00
62		heptane	10.000	8.926	10.7	82	0.00
63	C	cis-1,3-dichloropropene	10.000	10.660	-6.6	94	0.00
64	C	4-methyl-2-pentanone	10.000	9.007	9.9	80	0.00
65		trans-1,3-dichloropropene	10.000	10.315	-3.1	92	0.00
66	C	1,1,2-trichloroethane	10.000	9.368	6.3	80	0.00
67	I	chlorobenzene-D5	10.000	10.000	0.0	84	0.00
68	C	toluene	10.000	9.662	3.4	80	0.00
71		1,3-dichloropropane	10.000	8.689	13.1	71	0.00
72		2-hexanone	10.000	9.499	5.0	79	0.00
74		dibromochloromethane	10.000	11.107	-11.1	94	0.00
75	C	1,2-dibromoethane	10.000	10.381	-3.8	87	0.00
76		butyl acetate	10.000	8.199	18.0	70	0.00
77		octane	10.000	8.368	16.3	68	0.00
78	C	tetrachloroethene	10.000	10.115	-1.2	85	0.00
79		1,1,1,2-tetrachloroethane	10.000	9.110	8.9	74	0.00
80	C	chlorobenzene	10.000	9.616	3.8	79	0.00
81	C	ethylbenzene	10.000	9.422	5.8	77	0.00
83	C	m+p-xylene	20.000	19.605	2.0	80	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
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	11.931	-19.3	99	0.00
85	C	styrene	10.000	9.730	2.7	79	0.00
86	C	1,1,2,2-tetrachloroethane	10.000	9.763	2.4	80	0.00
87	C	o-xylene	10.000	9.405	6.0	78	0.00
88		1,2,3-trichloropropane	10.000	8.924	10.8	72	0.00
89		nonane	10.000	8.649	13.5	70	0.00
91	C	isopropylbenzene	10.000	9.442	5.6	73	0.00
92		bromobenzene	10.000	8.781	12.2	71	0.00
93		2-chlorotoluene	10.000	9.084	9.2	72	0.00
94		n-propylbenzene	10.000	9.120	8.8	73	0.00
95		4-chlorotoluene	10.000	8.781	12.2	71	0.00
96		4-ethyl toluene	10.000	10.715	-7.1	87	0.00
97		1,3,5-trimethylbenzene	10.000	10.004	-0.0	82	0.00
98		tert-butylbenzene	10.000	9.324	6.8	73	0.00
99		1,2,4-trimethylbenzene	10.000	10.408	-4.1	82	0.00
100		decane	10.000	8.983	10.2	70	0.00
101	C	Benzyl Chloride	10.000	7.890	21.1	65	0.00
102		1,3-dichlorobenzene	10.000	9.853	1.5	80	0.00
103	C	1,4-dichlorobenzene	10.000	9.830	1.7	79	0.00
104		sec-butylbenzene	10.000	9.494	5.1	73	0.00
106		p-isopropyltoluene	10.000	9.310	6.9	72	0.00
107		1,2-dichlorobenzene	10.000	9.854	1.5	81	0.00
108		n-butylbenzene	10.000	9.963	0.4	76	0.00
111	C	1,2-dibromo-3-chloropropane	10.000	8.326	16.7	63	0.00
112		undecane	10.000	8.889	11.1	64	0.00
114		dodecane	10.000	9.504	5.0	61	0.00
115	C	1,2,4-trichlorobenzene	10.000	8.914	10.9	67	0.00
116		naphthalene	10.000	7.643	23.6	55	0.00
117		1,2,3-trichlorobenzene	10.000	8.497	15.0	58	0.00
119	C	hexachlorobutadiene	10.000	9.979	0.2	74	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\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	155717	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 100.00%			
43) 1,4-difluorobenzene	4.321	114	520424	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 100.00%			
67) chlorobenzene-D5	6.442	54	71975	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 100.00%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.958	85	315550	10.296	ppbV	99
6) chloromethane	2.002	50	97747	8.728	ppbV	99
7) Freon-114	2.035	85	338998	10.037	ppbV	96
9) vinyl chloride	2.068	62	128735	9.915	ppbV	97
10) 1,3-butadiene	2.107	54	91230	10.220	ppbV	96
13) bromomethane	2.184	94	148020	11.963	ppbV	98
14) chloroethane	2.233	64	80314	10.950	ppbV	97
15) ethanol	2.266	31	280555	48.147	ppbV	93
17) vinyl bromide	2.339	106	143577	11.241	ppbV	98
19) acetone	2.407	43	805367	58.954	ppbV	99
21) trichlorofluoromethane	2.458	101	319185	11.284	ppbV	98
22) isopropyl alcohol	2.475	45	436443	25.704	ppbV	99
26) 1,1-dichloroethene	2.637	61	187696	10.542	ppbV	99
27) tertiary butyl alcohol	2.646	59	207577	8.895	ppbV	96
28) methylene chloride	2.670	49	119492	10.404	ppbV	99
29) 3-chloropropene	2.708	41	115040	9.785	ppbV	99
30) carbon disulfide	2.761	76	375997	11.416	ppbV	95
31) Freon 113	2.761	101	270716	10.703	ppbV	97
32) trans-1,2-dichloroethene	2.978	61	162291	10.216	ppbV	98
33) 1,1-dichloroethane	3.049	63	210996	9.843	ppbV	98
34) MTBE	3.080	73	309334	9.667	ppbV	98
36) 2-butanone	3.204	43	192903	7.770	ppbV	99
37) cis-1,2-dichloroethene	3.372	61	154073	8.698	ppbV	95
38) Ethyl Acetate	3.484	61	40826M6	8.115	ppbV	
39) chloroform	3.499	83	246606	9.477	ppbV	99
40) Tetrahydrofuran	3.668	42	108493	10.035	ppbV	98
42) 1,2-dichloroethane	3.814	62	139840	9.115	ppbV	97
44) hexane	3.476	57	184222	8.669	ppbV #	51

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 1,1,1-trichloroethane	3.928	97	240055	9.085	ppbV	98
50) benzene	4.133	78	405337	9.187	ppbV	99
52) carbon tetrachloride	4.208	117	251920	9.956	ppbV	96
53) cyclohexane	4.264	56	184000	9.107	ppbV	99
56) 1,2-dichloropropane	4.528	63	144286	9.145	ppbV	96
57) bromodichloromethane	4.613	83	274368	10.155	ppbV	99
58) 1,4-dioxane	4.651	88	91683	9.447	ppbV	97
59) trichloroethene	4.641	130	190634	9.021	ppbV	99
60) 2,2,4-trimethylpentane	4.689	57	578145	9.440	ppbV	99
62) heptane	4.830	43	184091	8.926	ppbV	98
63) cis-1,3-dichloropropene	5.082	75	243060	10.660	ppbV	98
64) 4-methyl-2-pentanone	5.122	43	233650	9.007	ppbV	97
65) trans-1,3-dichloropropene	5.353	75	181250	10.315	ppbV	99
66) 1,1,2-trichloroethane	5.425	97	174030	9.368	ppbV	99
68) toluene	5.569	91	493103	9.662	ppbV	97
72) 2-hexanone	5.736	43	223854	9.499	ppbV	98
74) dibromochloromethane	5.760	129	292754	11.107	ppbV	99
75) 1,2-dibromoethane	5.880	107	270523	10.381	ppbV	97
78) tetrachloroethene	6.127	166	235789	10.115	ppbV	96
80) chlorobenzene	6.464	112	382225	9.616	ppbV	97
81) ethylbenzene	6.666	91	603842	9.422	ppbV	99
83) m+p-xylene	6.753	91	966590	19.605	ppbV	96
84) bromoform	6.753	173	282914	11.931	ppbV	99
85) styrene	6.931	104	374419	9.730	ppbV	98
86) 1,1,2,2-tetrachloroethane	6.978	83	362711	9.763	ppbV	99
87) o-xylene	6.984	91	467157	9.405	ppbV	99
96) 4-ethyl toluene	7.632	105	708377	10.715	ppbV	100
97) 1,3,5-trimethylbenzene	7.680	105	564934	10.004	ppbV	99
99) 1,2,4-trimethylbenzene	7.895	105	589570	10.408	ppbV	92
101) Benzyl Chloride	7.951	91	375704	7.890	ppbV	100
102) 1,3-dichlorobenzene	7.951	146	402128	9.853	ppbV	98
103) 1,4-dichlorobenzene	7.991	146	406196	9.830	ppbV	97
107) 1,2-dichlorobenzene	8.175	146	390672	9.854	ppbV	95
115) 1,2,4-trichlorobenzene	9.183	180	332473	8.914	ppbV	99
116) naphthalene	9.235	128	711742	7.643	ppbV	99
119) hexachlorobutadiene	9.463	225	260247	9.979	ppbV	96

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

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

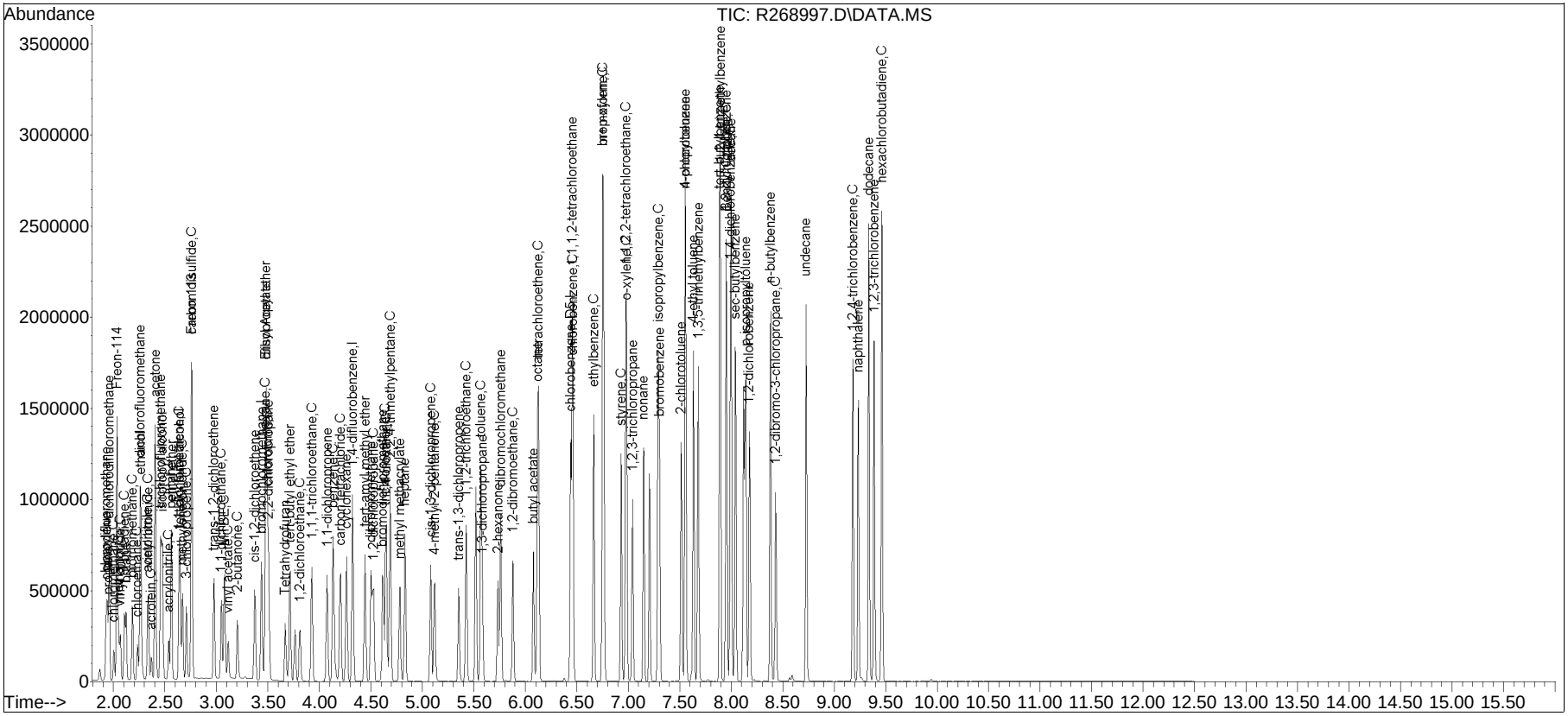
CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : Default-LCS-AP2 - All compounds listed

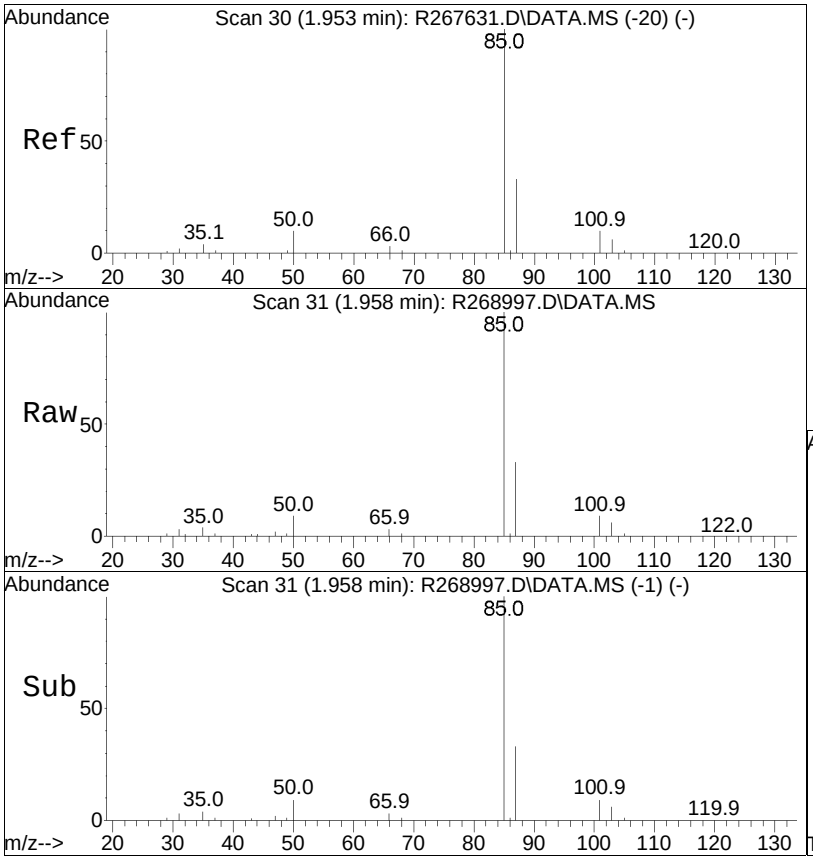
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Sub List : Default-LCS-AP2 - All compounds listedR268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R268997.D
Acq On : 11 Mar 2026 12:00 pm
Operator : AIRLAB26:TPH
Sample : WG2184098-3,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:45:40 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

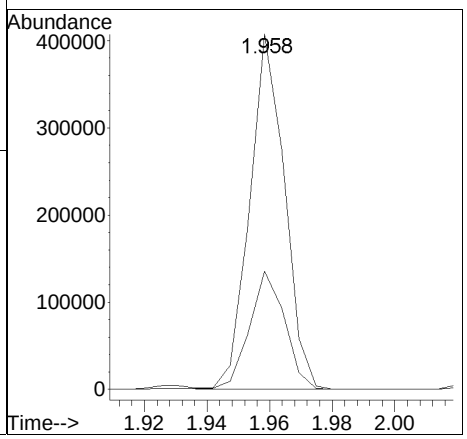


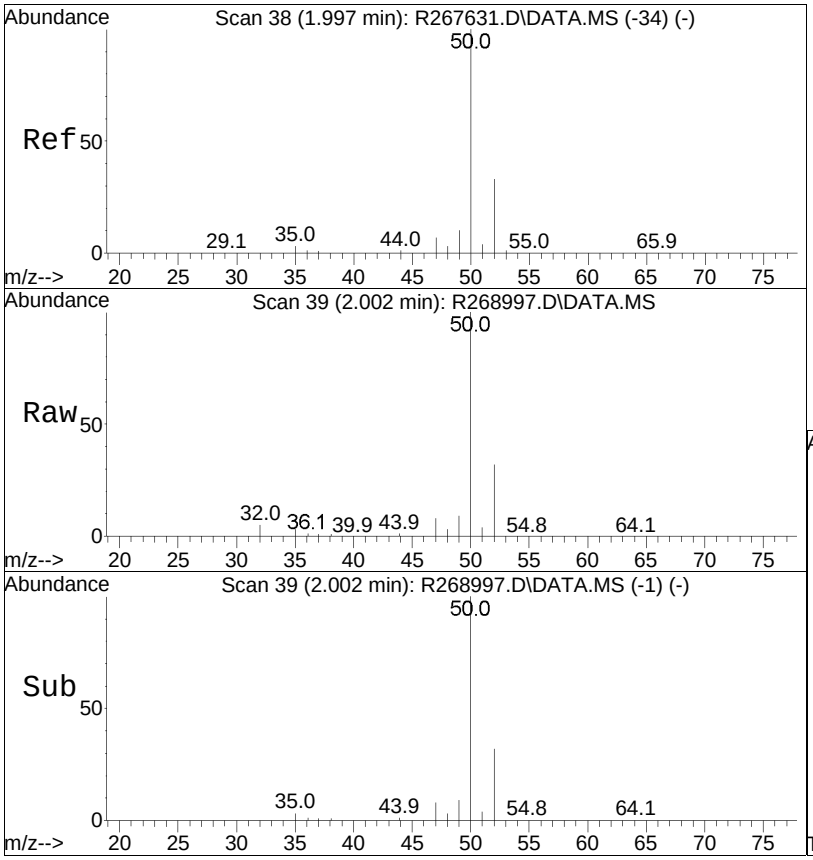


#5
dichlorodifluoromethane
Concen: 10.30 ppbV
RT: 1.958 min Scan# 31
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 85 Resp: 315550

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.2	39.2

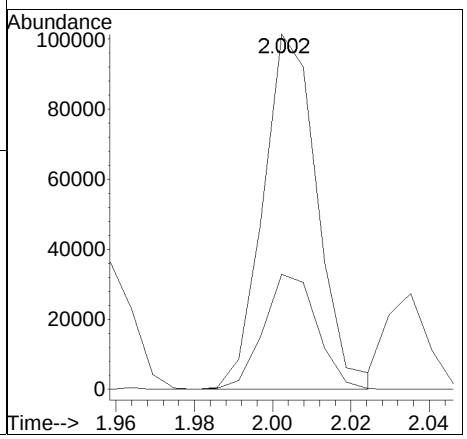


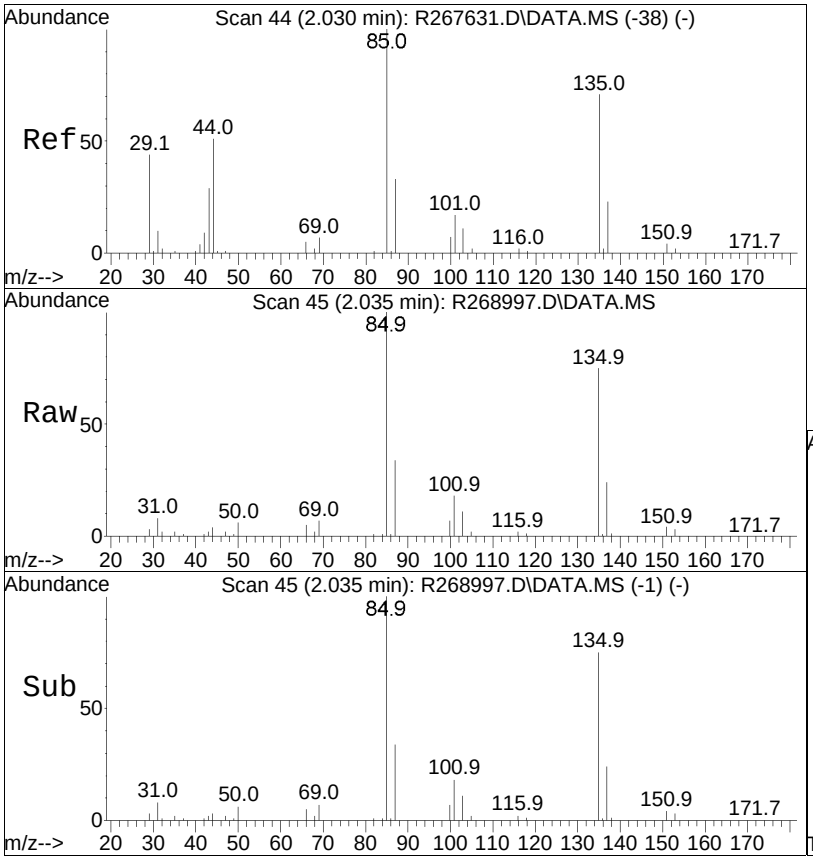


#6
chloromethane
Concen: 8.73 ppbV
RT: 2.002 min Scan# 39
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 50 Resp: 97747

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.4

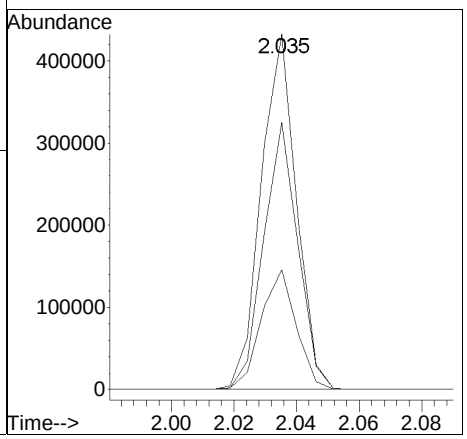


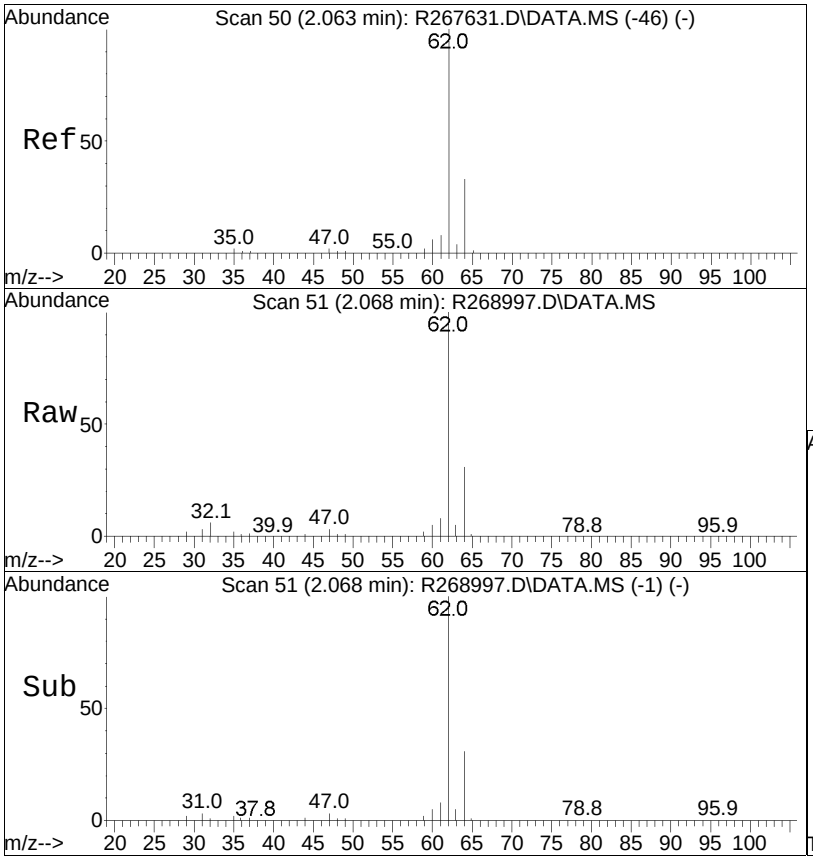


#7
Freon-114
Concen: 10.04 ppbV
RT: 2.035 min Scan# 45
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 85 Resp: 338998

Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.6	40.0
135	75.1	56.8	85.2

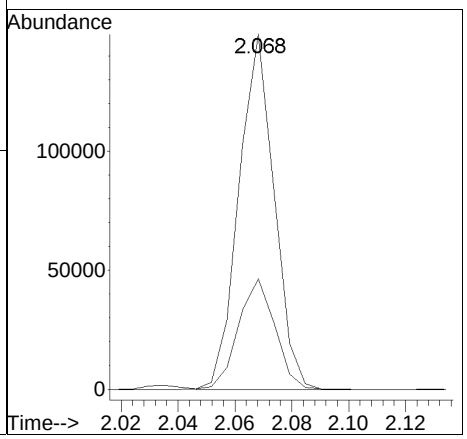


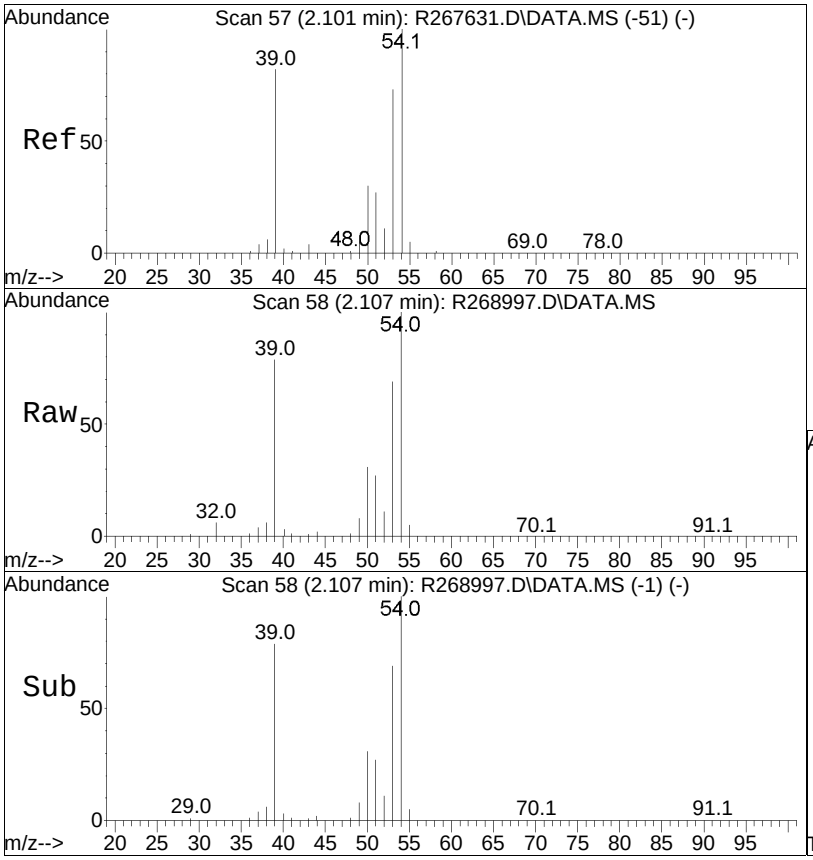


#9
vinyl chloride
Concen: 9.91 ppbV
RT: 2.068 min Scan# 51
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 62 Resp: 128735

Ion	Ratio	Lower	Upper
62	100		
64	31.1	26.4	39.6

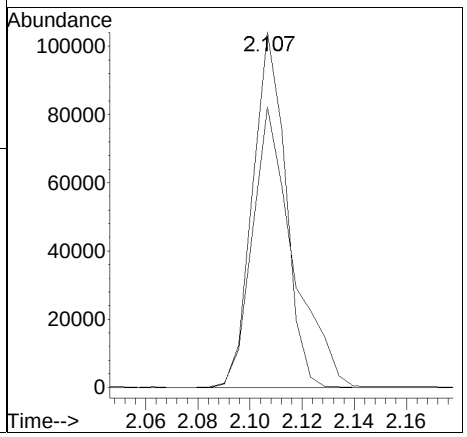


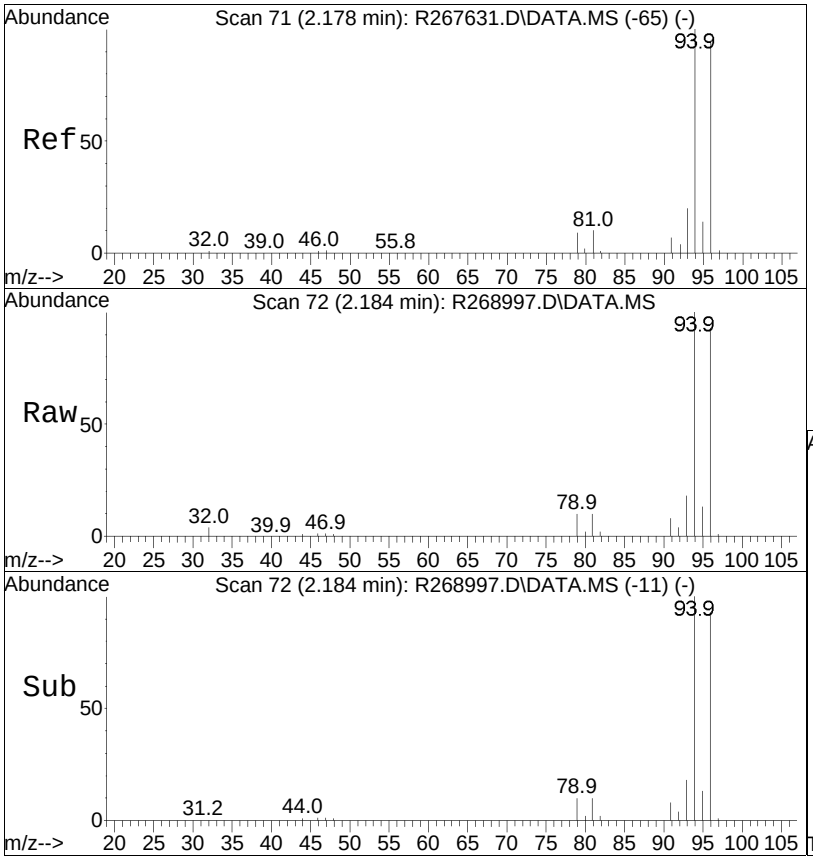


#10
1,3-butadiene
Concen: 10.22 ppbV
RT: 2.107 min Scan# 58
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 54 Resp: 91230

Ion	Ratio	Lower	Upper
54	100		
39	78.9	65.9	98.9

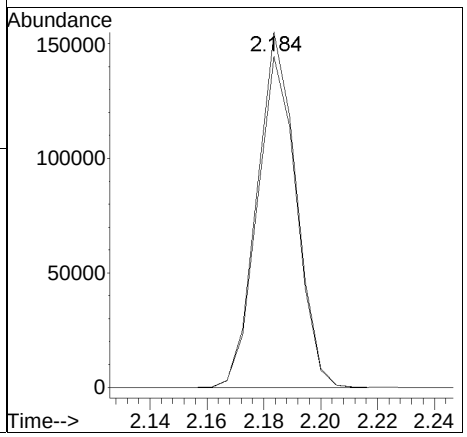


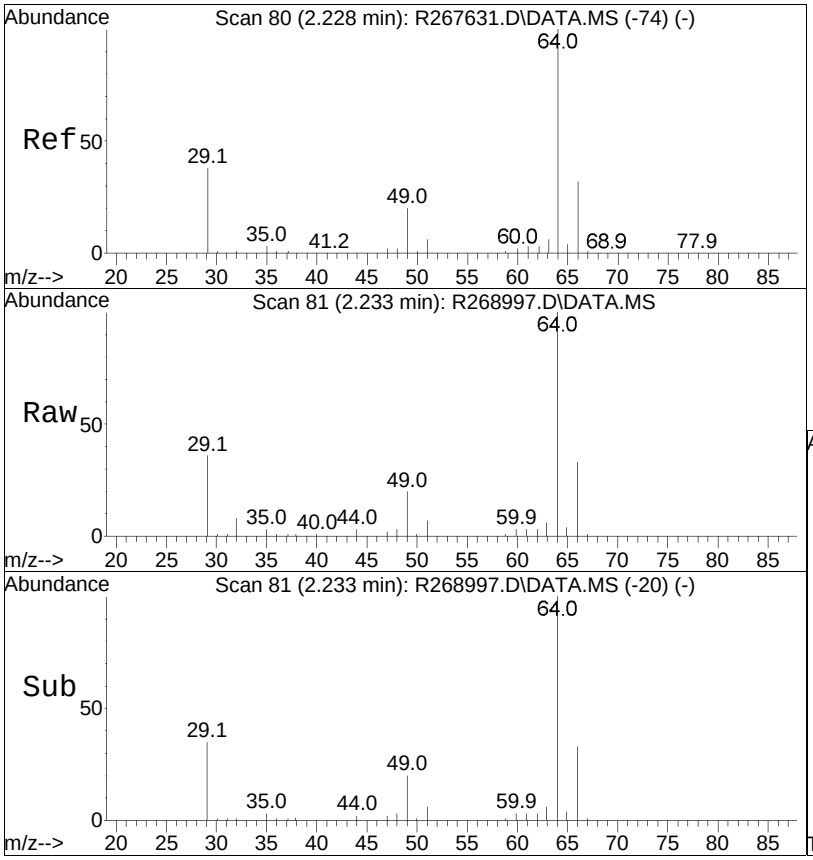


#13
bromomethane
Concen: 11.96 ppbV
RT: 2.184 min Scan# 72
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 94 Resp: 148020

Ion	Ratio	Lower	Upper
94	100		
96	93.1	76.1	114.1

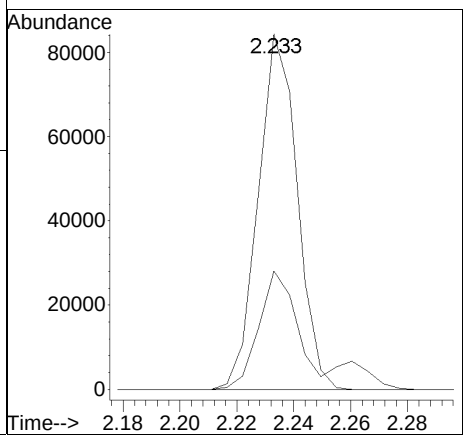


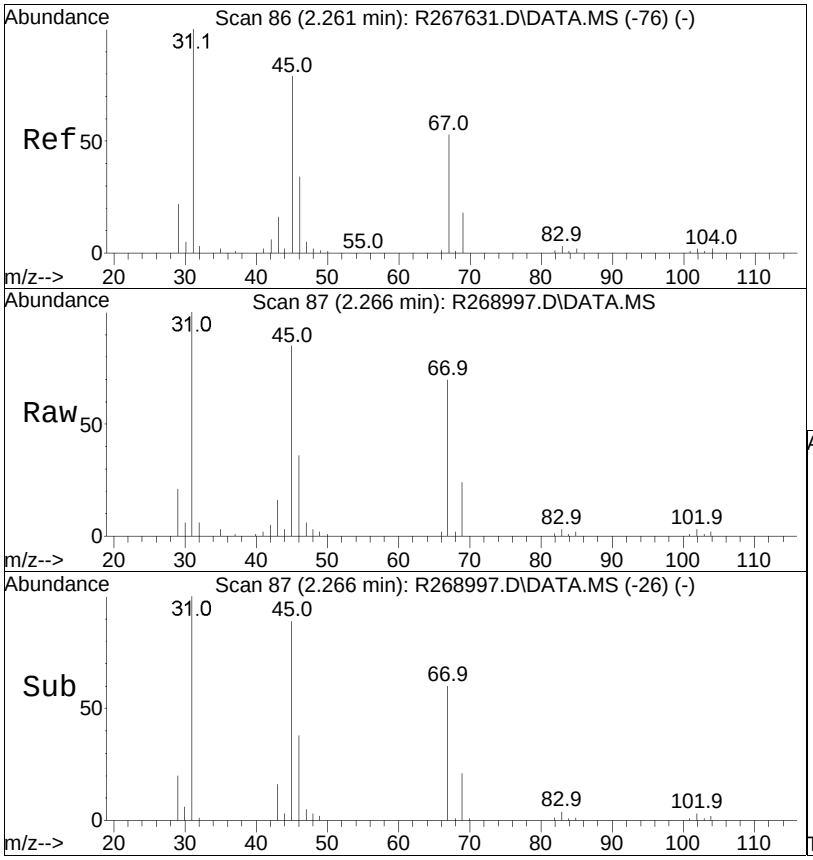


#14
chloroethane
Concen: 10.95 ppbV
RT: 2.233 min Scan# 81
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 64 Resp: 80314

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.4	38.2

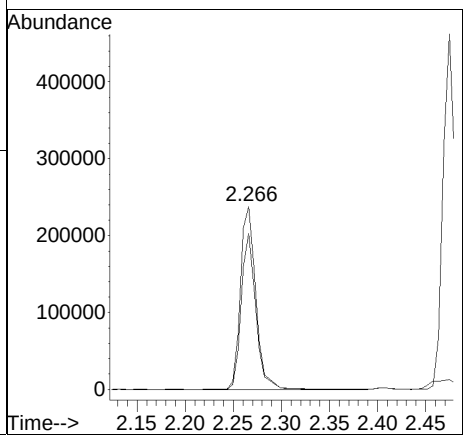


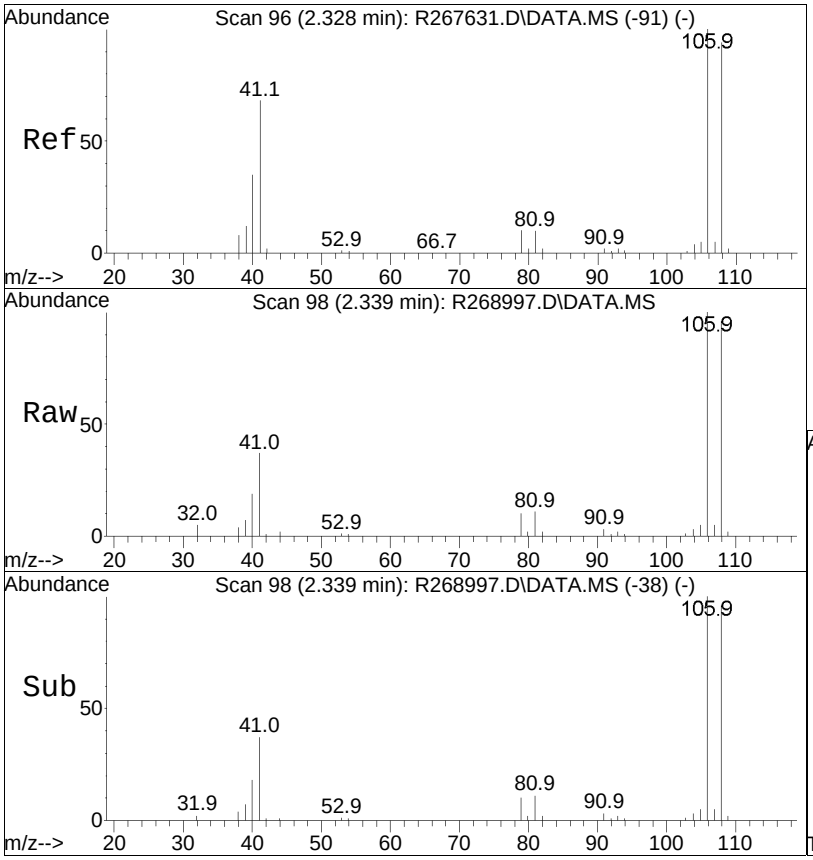


#15
ethanol
Concen: 48.15 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 31 Resp: 280555

Ion	Ratio	Lower	Upper
31	100		
45	85.3	63.4	95.0

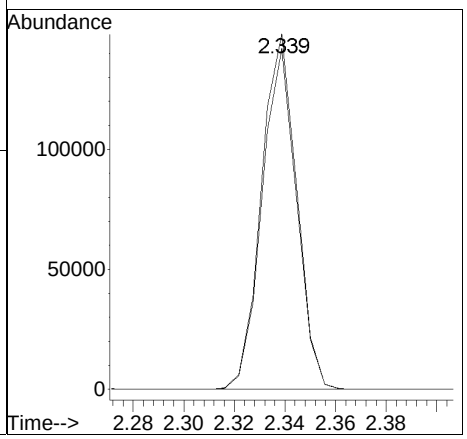


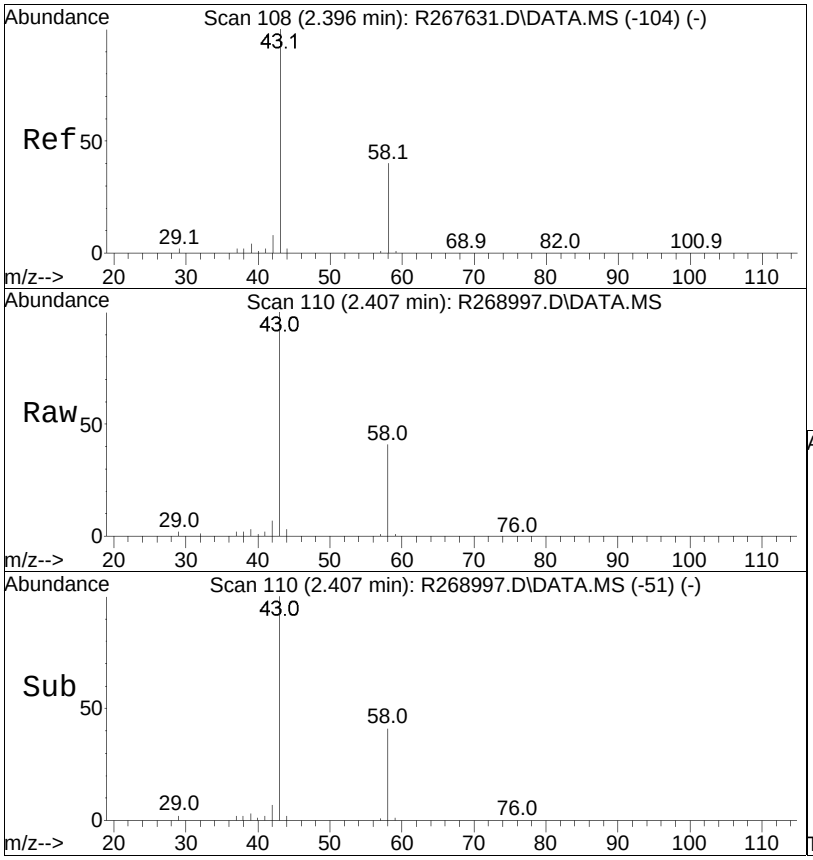


#17
vinyl bromide
Concen: 11.24 ppbV
RT: 2.339 min Scan# 98
Delta R.T. 0.011 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:106 Resp: 143577

Ion	Ratio	Lower	Upper
106	100		
108	95.9	75.2	112.8

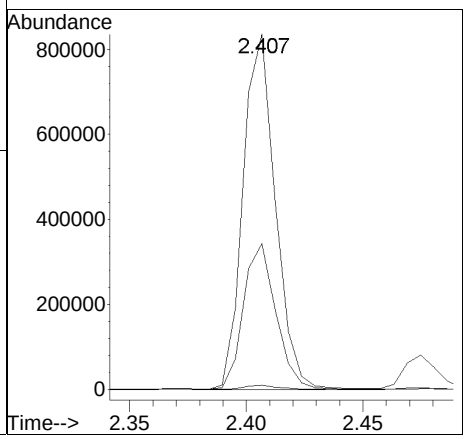


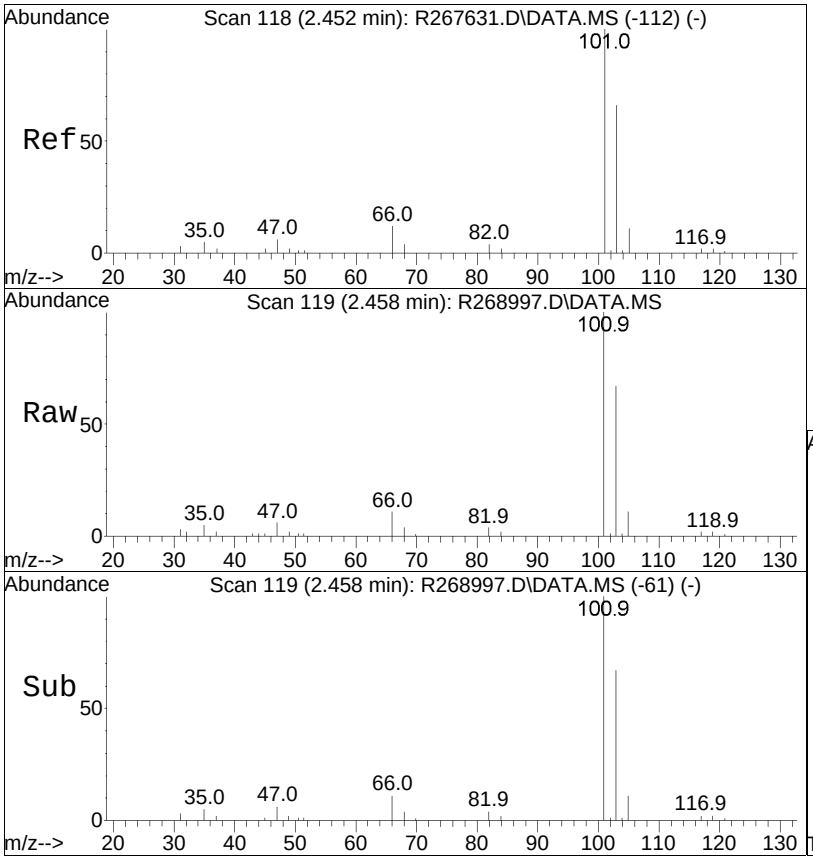


#19
acetone
Concen: 58.95 ppbV
RT: 2.407 min Scan# 110
Delta R.T. 0.011 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 43 Resp: 805367

Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.2	48.2
57	1.2	1.0	1.4

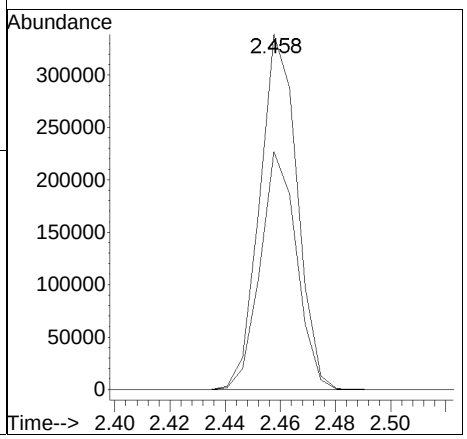


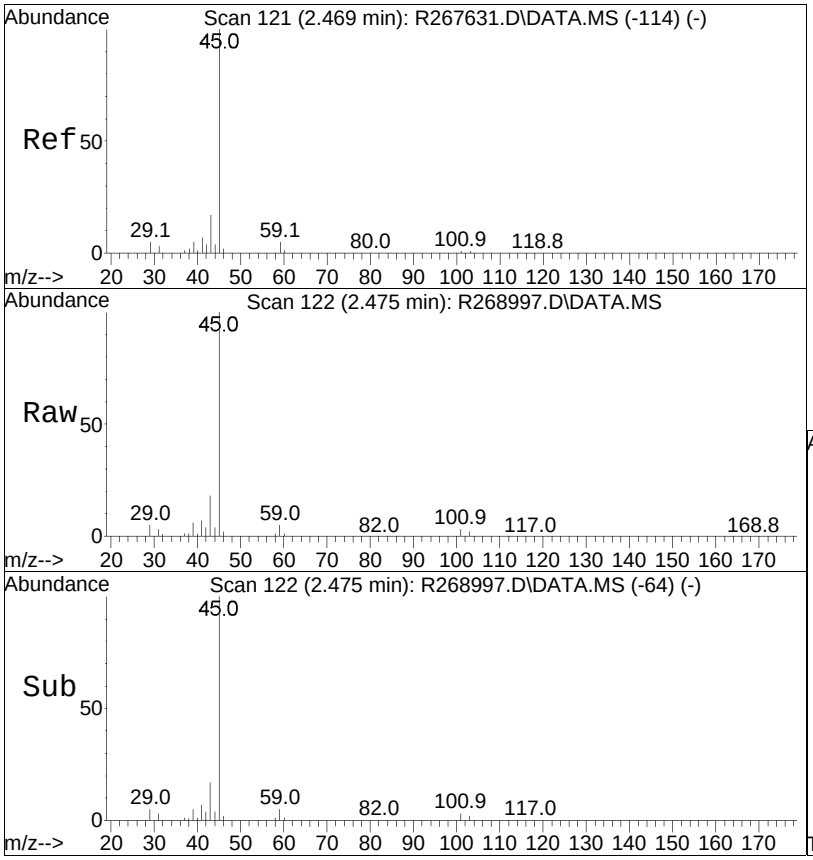


#21
trichlorofluoromethane
Concen: 11.28 ppbV
RT: 2.458 min Scan# 119
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:101 Resp: 319185

Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.6	78.8

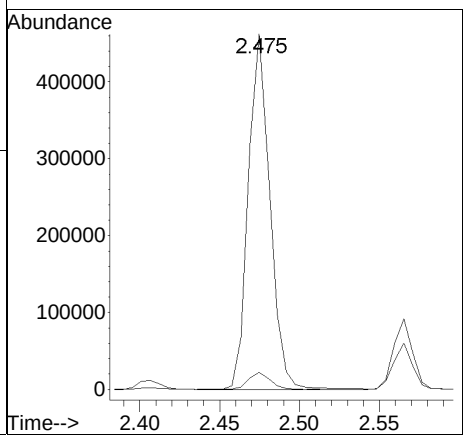


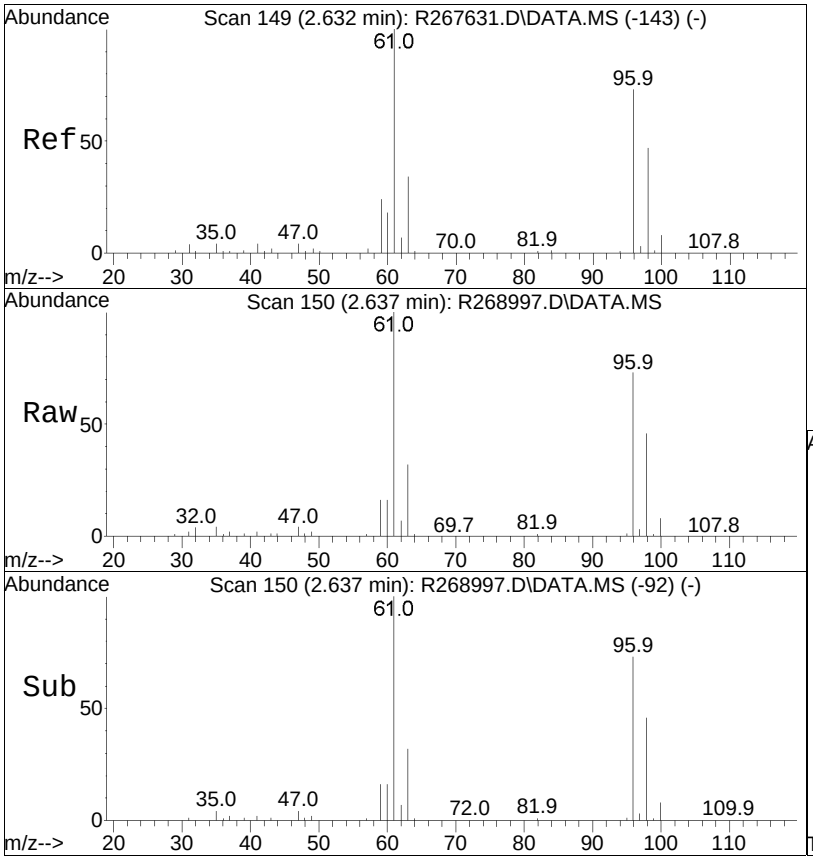


#22
isopropyl alcohol
Concen: 25.70 ppbV
RT: 2.475 min Scan# 122
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 45 Resp: 436443

Ion	Ratio	Lower	Upper
45	100		
59	4.8	4.0	6.0

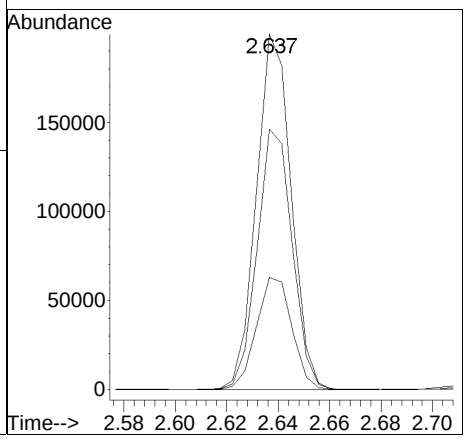


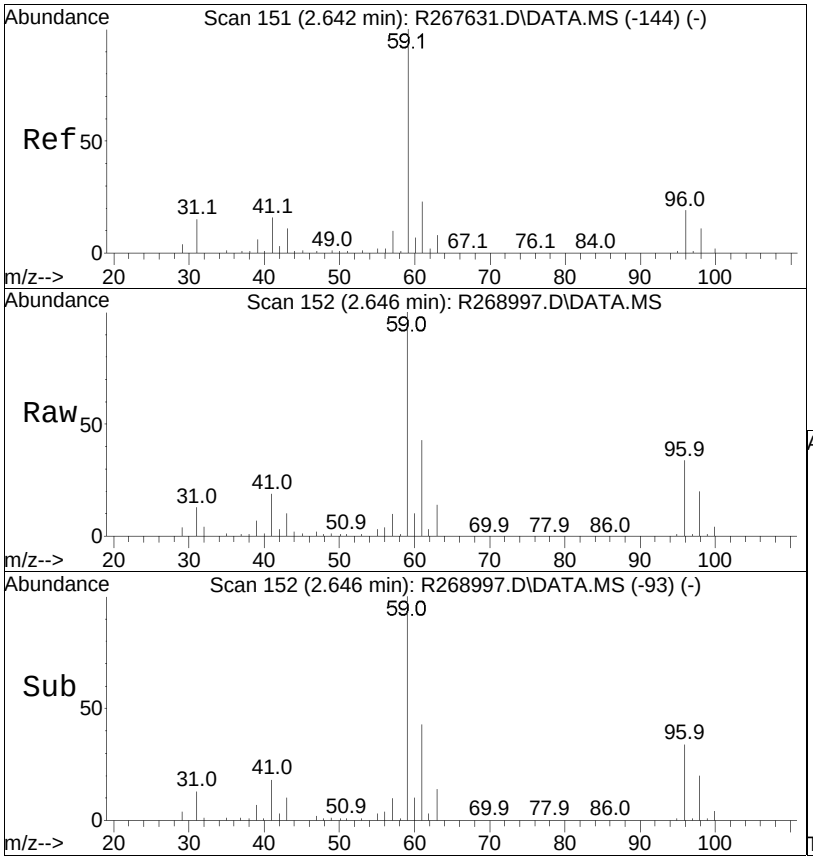


#26
1,1-dichloroethene
Concen: 10.54 ppbV
RT: 2.637 min Scan# 150
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 61 Resp: 187696

Ion	Ratio	Lower	Upper
61	100		
96	73.2	58.4	87.6
63	31.5	26.8	40.2

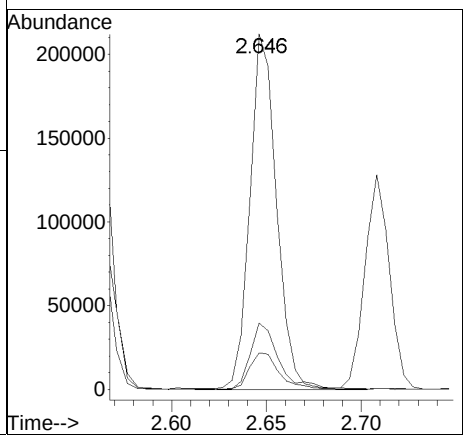


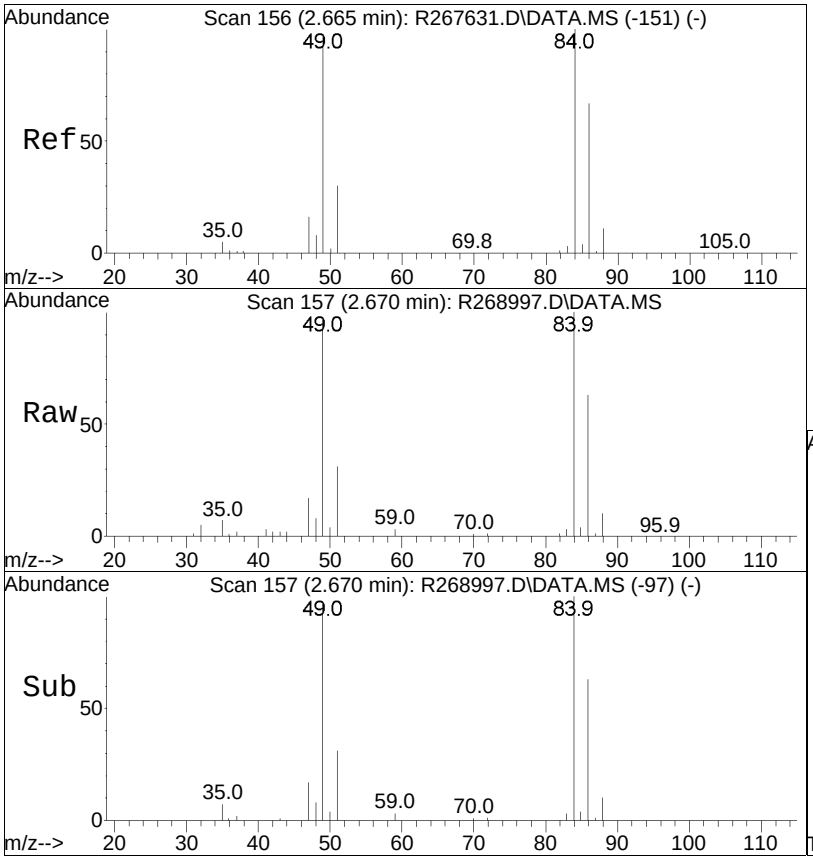


#27
tertiary butyl alcohol
Concen: 8.90 ppbV
RT: 2.646 min Scan# 152
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 59 Resp: 207577

Ion	Ratio	Lower	Upper
59	100		
41	18.7	13.1	19.7
43	10.3	8.8	13.2

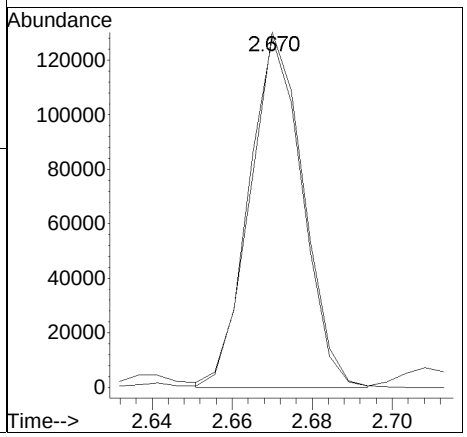


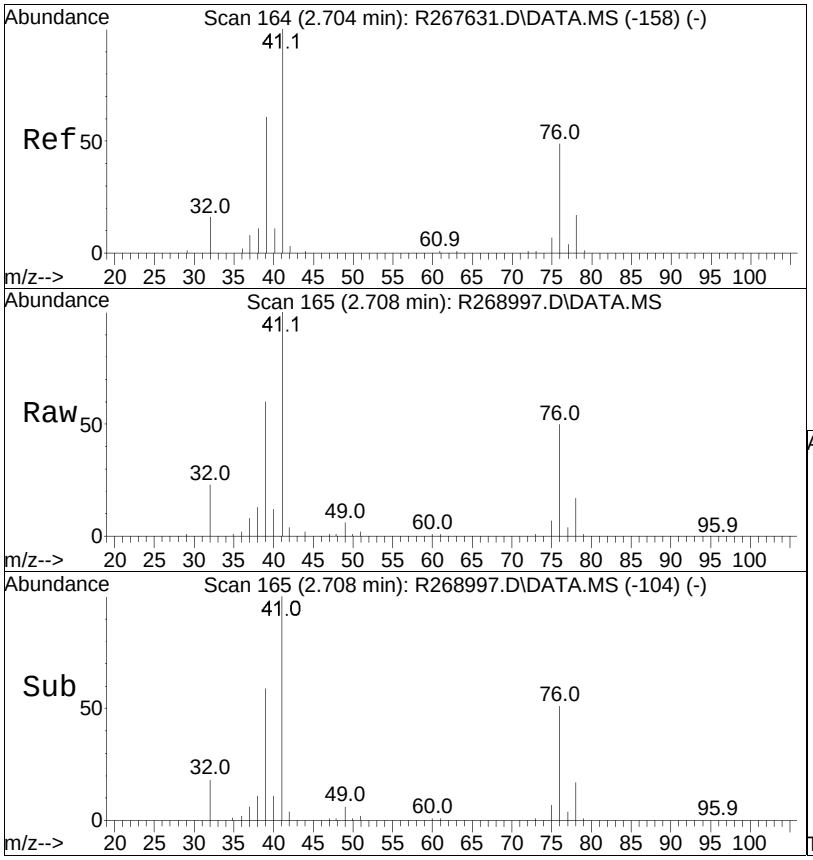


#28
methylene chloride
Concen: 10.40 ppbV
RT: 2.670 min Scan# 157
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 49 Resp: 119492

Ion	Ratio	Lower	Upper
49	100		
84	101.5	82.0	123.0

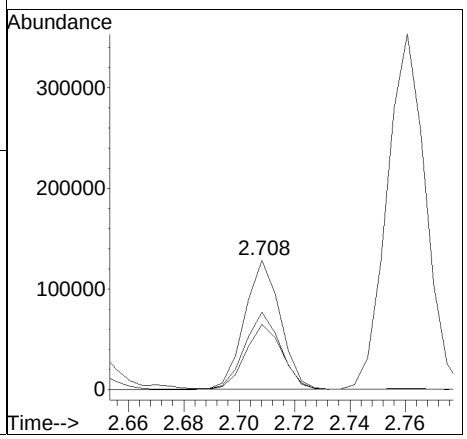


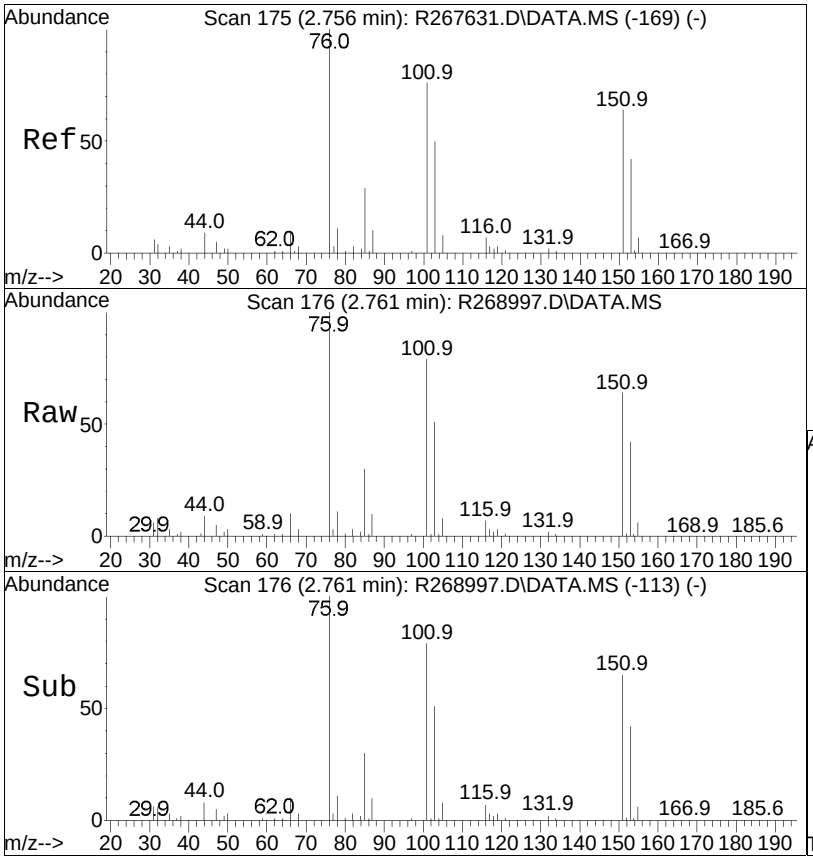


#29
3-chloropropene
Concen: 9.79 ppbV
RT: 2.708 min Scan# 165
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 41 Resp: 115040

Ion	Ratio	Lower	Upper
41	100		
39	59.9	48.6	72.8
76	50.2	39.1	58.7

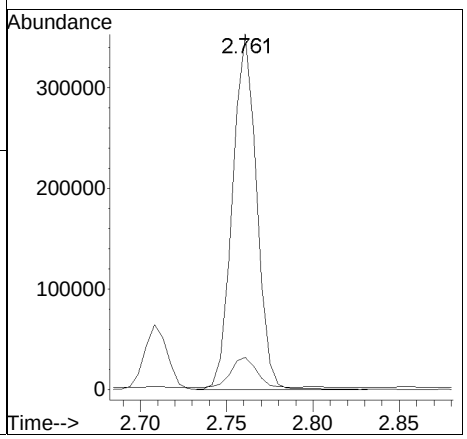


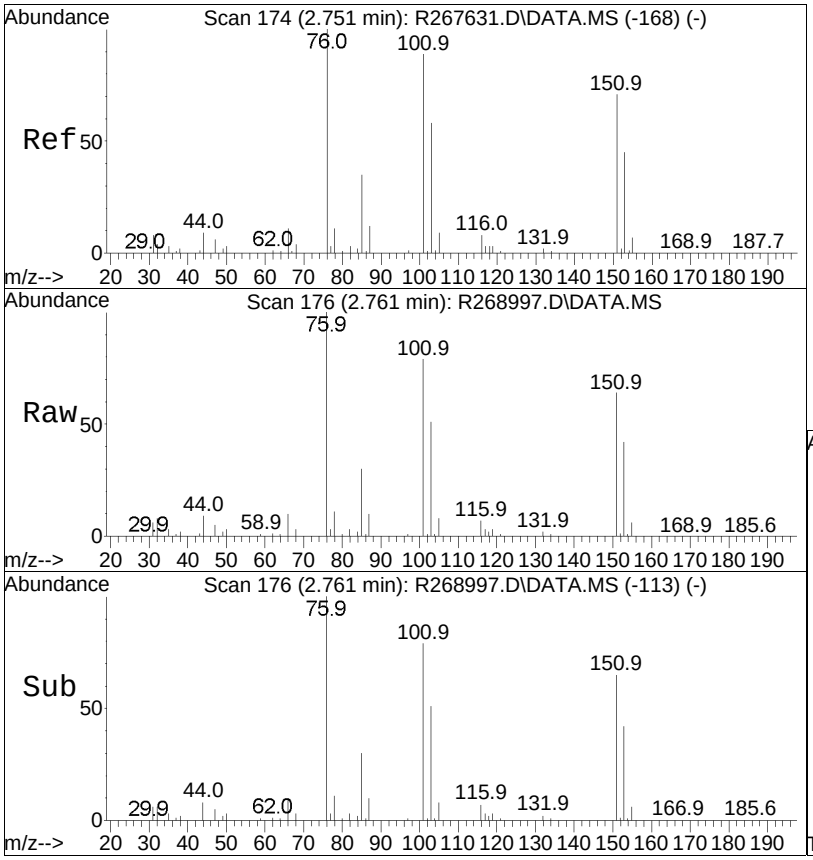


#30
carbon disulfide
Concen: 11.42 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.005 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 76 Resp: 375997

Ion	Ratio	Lower	Upper
76	100		
44	9.0	8.6	13.0

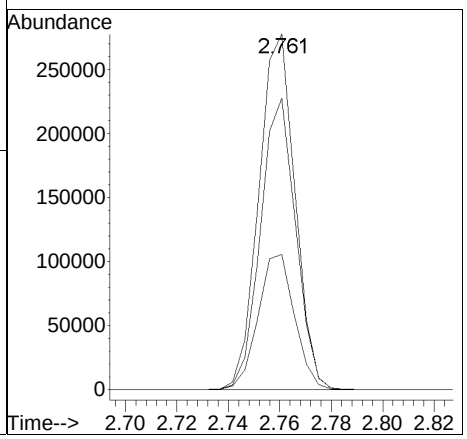


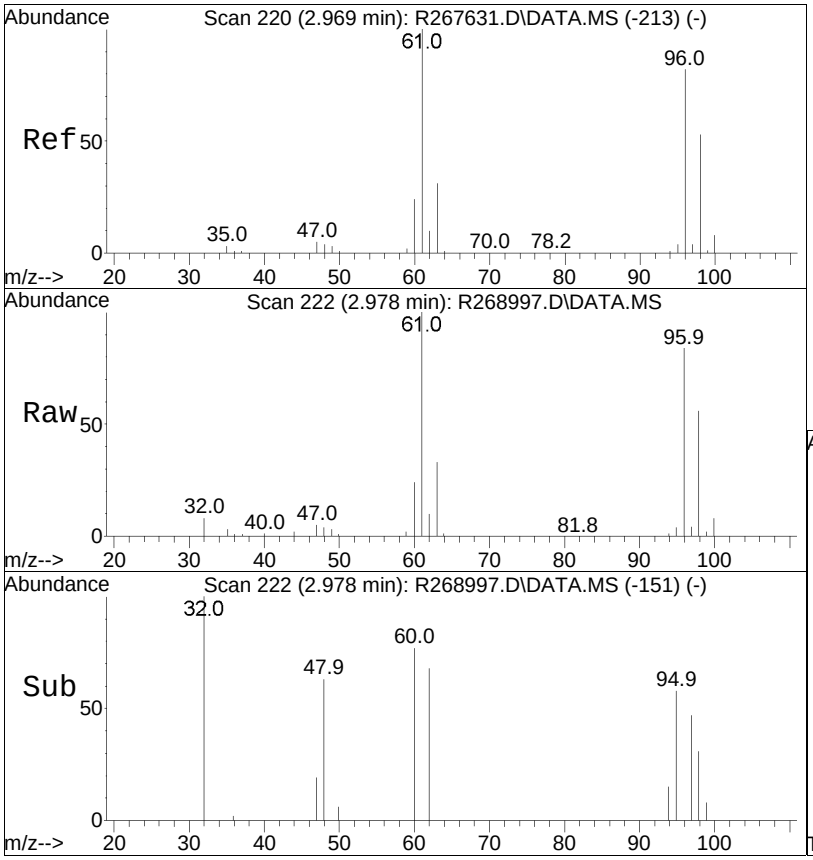


#31
Freon 113
Concen: 10.70 ppbV
RT: 2.761 min Scan# 176
Delta R.T. 0.009 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:101 Resp: 270716

Ion	Ratio	Lower	Upper
101	100		
85	38.0	32.0	48.0
151	82.0	64.0	96.0

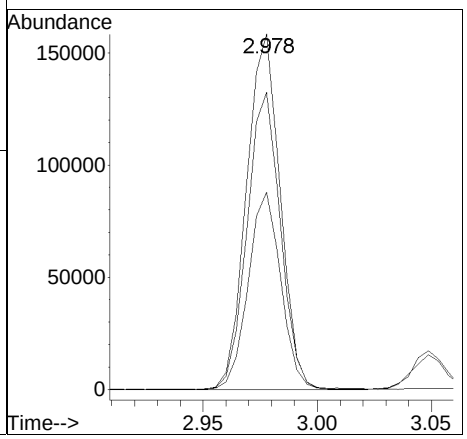


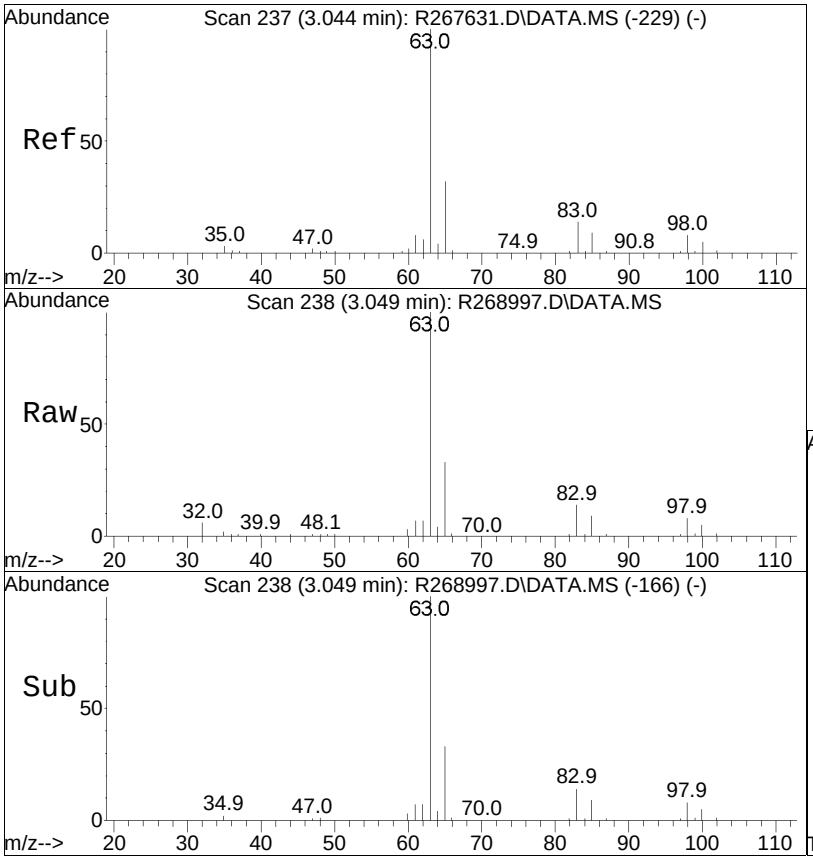


#32
trans-1,2-dichloroethene
Concen: 10.22 ppbV
RT: 2.978 min Scan# 222
Delta R.T. 0.009 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 61 Resp: 162291

Ion	Ratio	Lower	Upper
61	100		
96	83.5	65.8	98.6
98	55.5	42.4	63.6

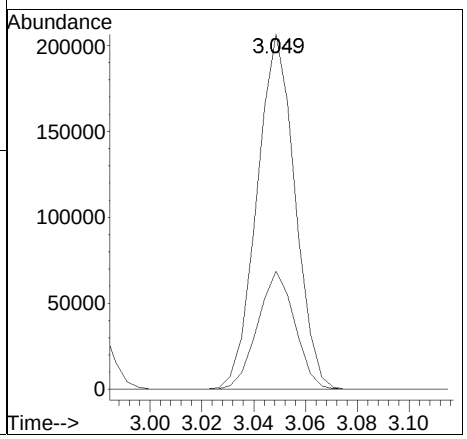


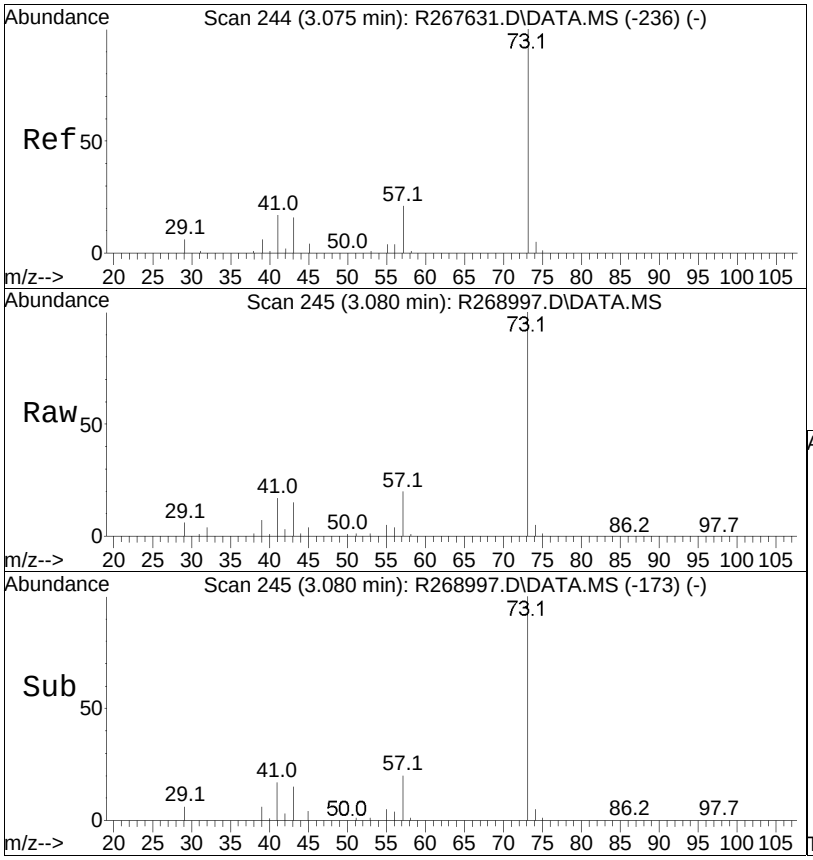


#33
1,1-dichloroethane
Concen: 9.84 ppbV
RT: 3.049 min Scan# 238
Delta R.T. 0.004 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 63 Resp: 210996

Ion	Ratio	Lower	Upper
63	100		
65	33.3	25.8	38.8

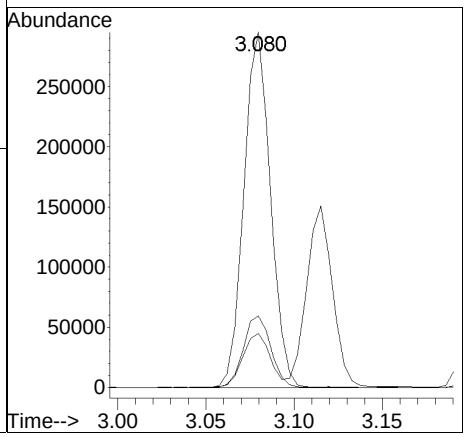


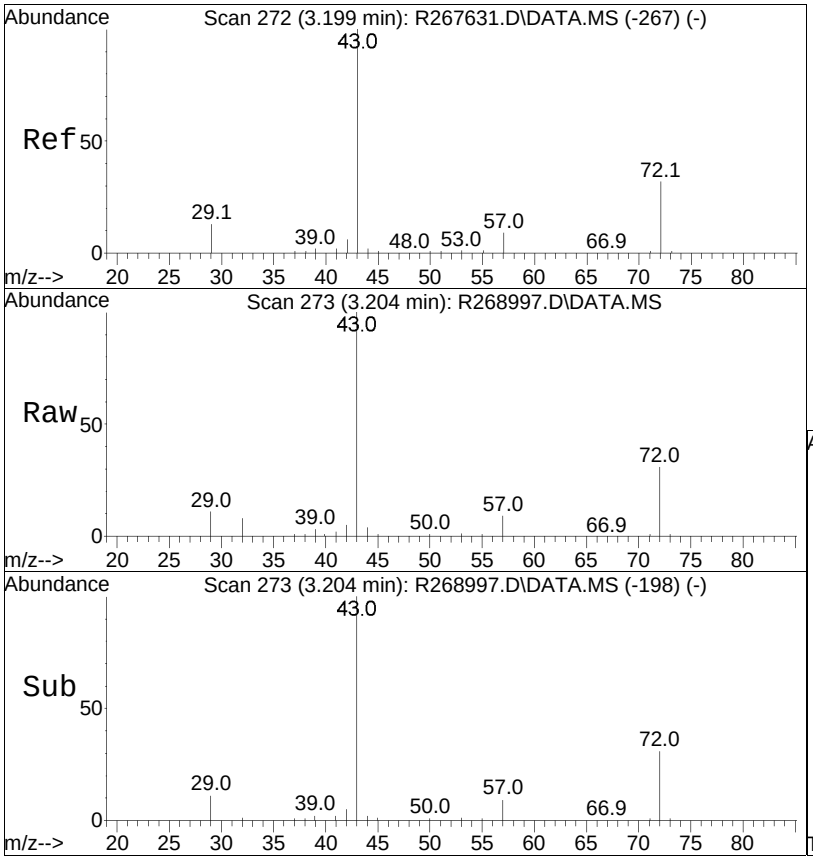


#34
MTBE
Concen: 9.67 ppbV
RT: 3.080 min Scan# 245
Delta R.T. 0.004 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 73 Resp: 309334

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.9	25.3
43	15.2	13.1	19.7

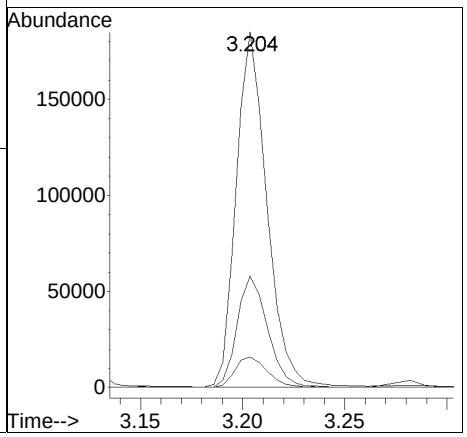


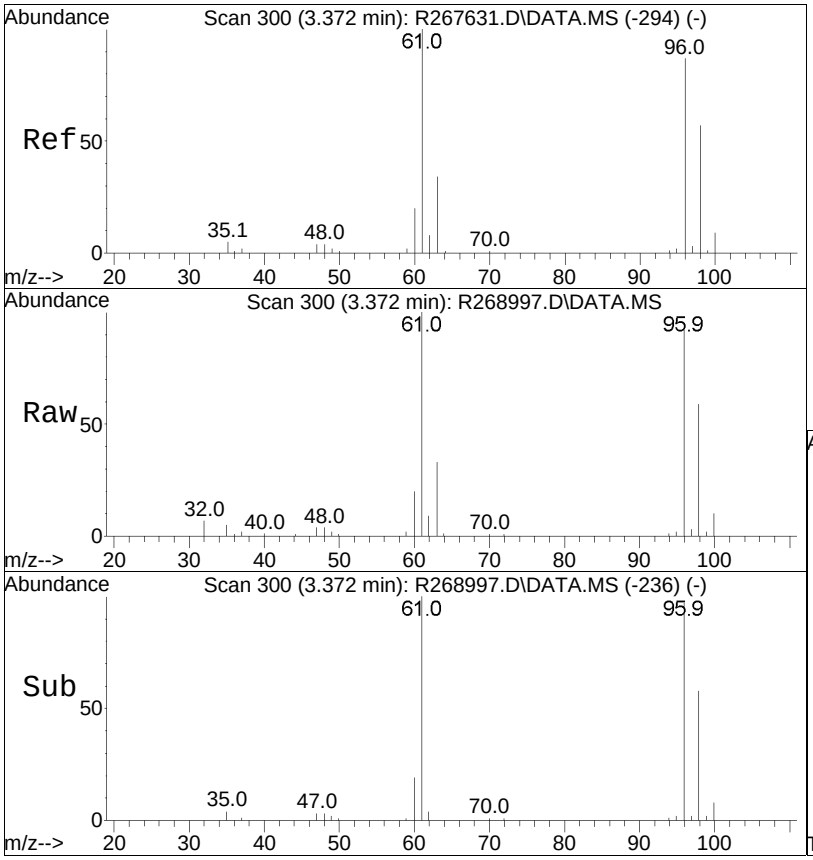


#36
2-butanone
Concen: 7.77 ppbV
RT: 3.204 min Scan# 273
Delta R.T. 0.004 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 43 Resp: 192903

Ion	Ratio	Lower	Upper
43	100		
72	31.3	25.1	37.7
57	8.6	7.4	11.2

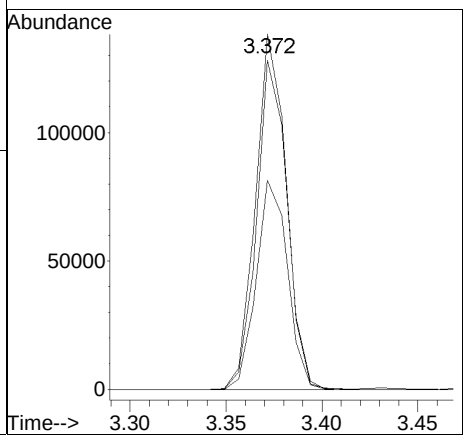


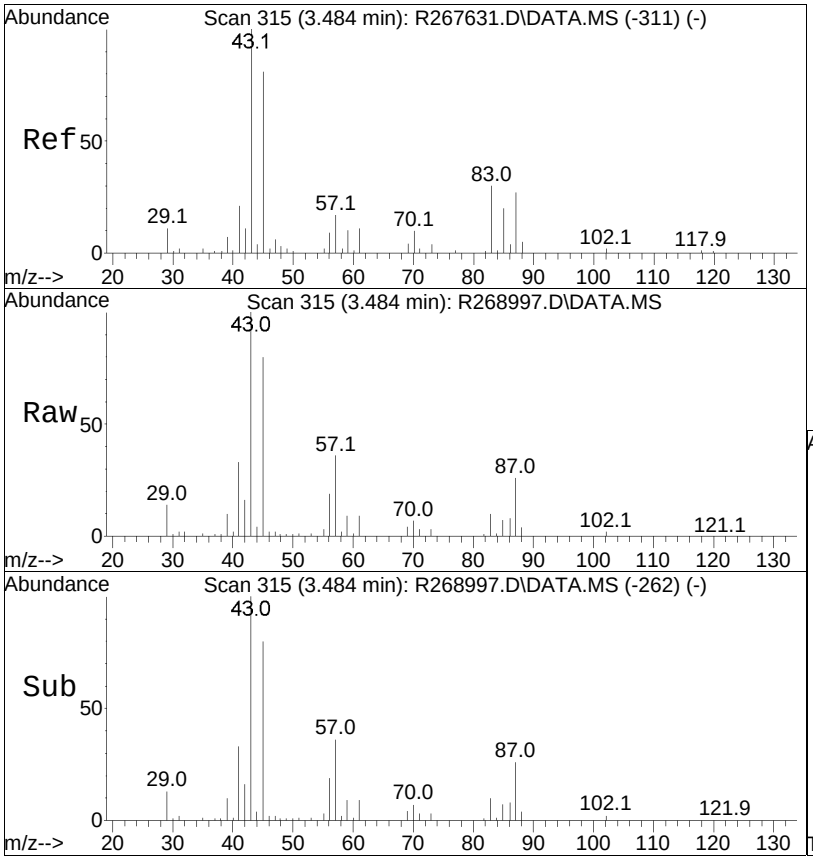


#37
cis-1,2-dichloroethene
Concen: 8.70 ppbV
RT: 3.372 min Scan# 300
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 61 Resp: 154073

Ion	Ratio	Lower	Upper
61	100		
96	92.7	69.8	104.8
98	58.9	45.3	67.9

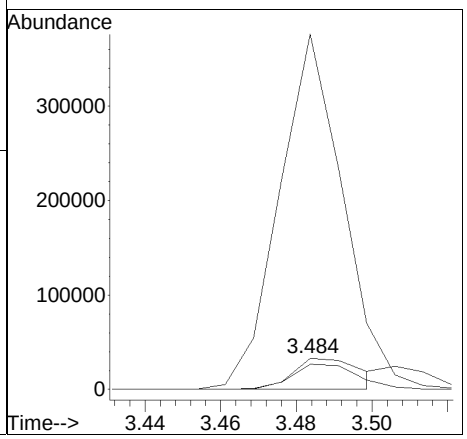


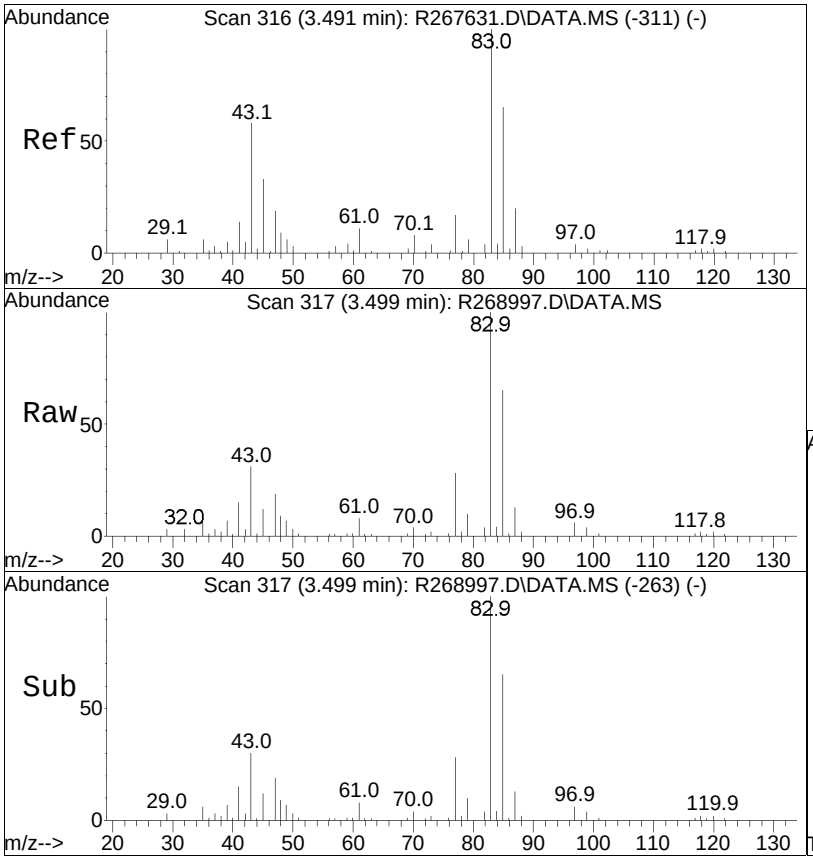


#38
Ethyl Acetate
Concen: 8.12 ppbV m
RT: 3.484 min Scan# 315
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 61 Resp: 40826

Ion	Ratio	Lower	Upper
61	100		
70	81.0	73.9	110.9
43	1143.8	752.6	1128.8#

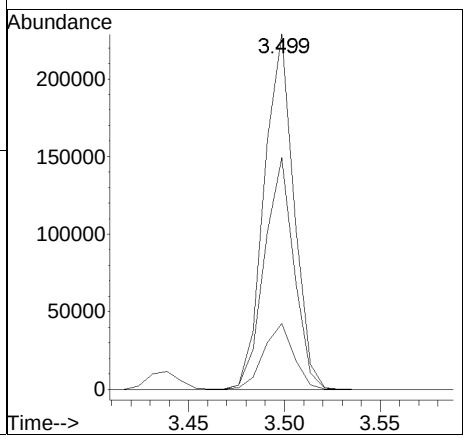


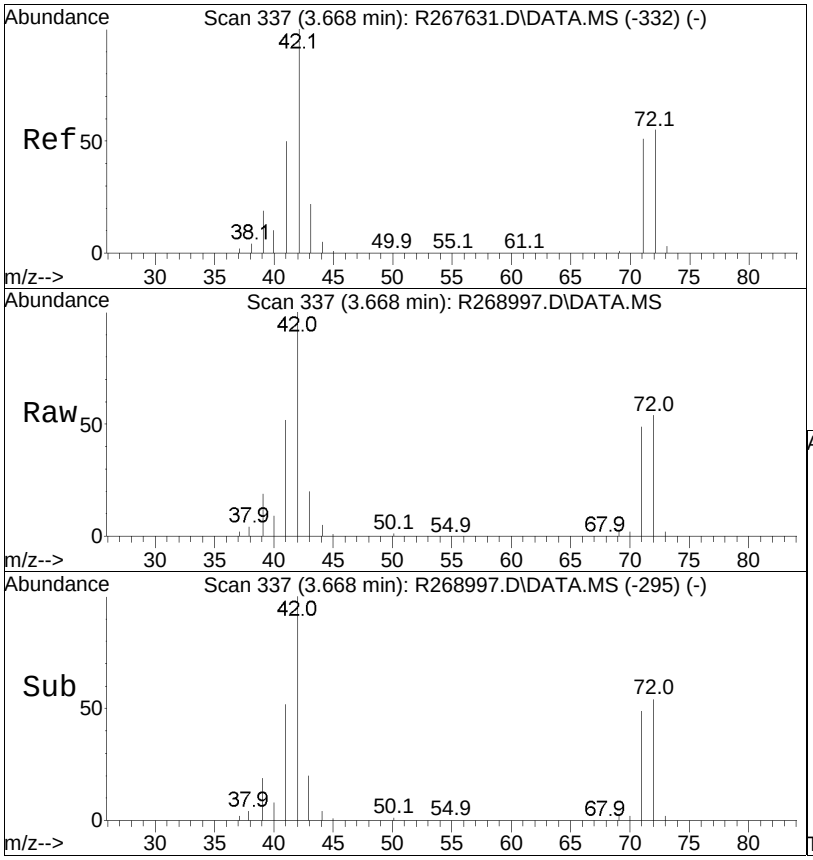


#39
chloroform
Concen: 9.48 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.007 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 83 Resp: 246606

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9
47	18.6	15.4	23.2

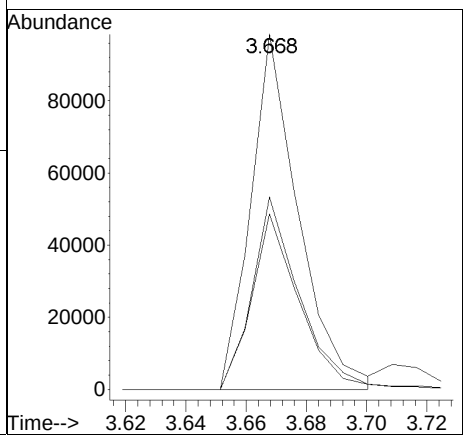


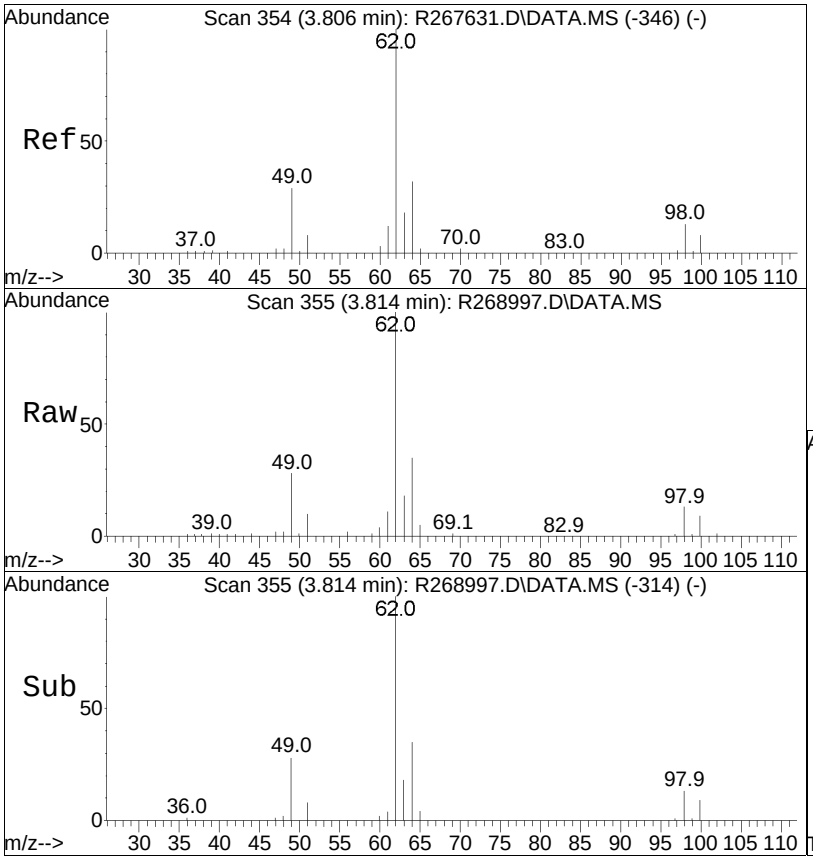


#40
Tetrahydrofuran
Concen: 10.03 ppbV
RT: 3.668 min Scan# 337
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 42 Resp: 108493

Ion	Ratio	Lower	Upper
42	100		
71	49.4	41.0	61.6
72	54.1	44.2	66.2

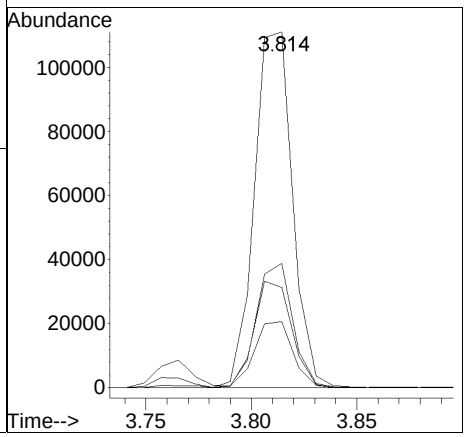


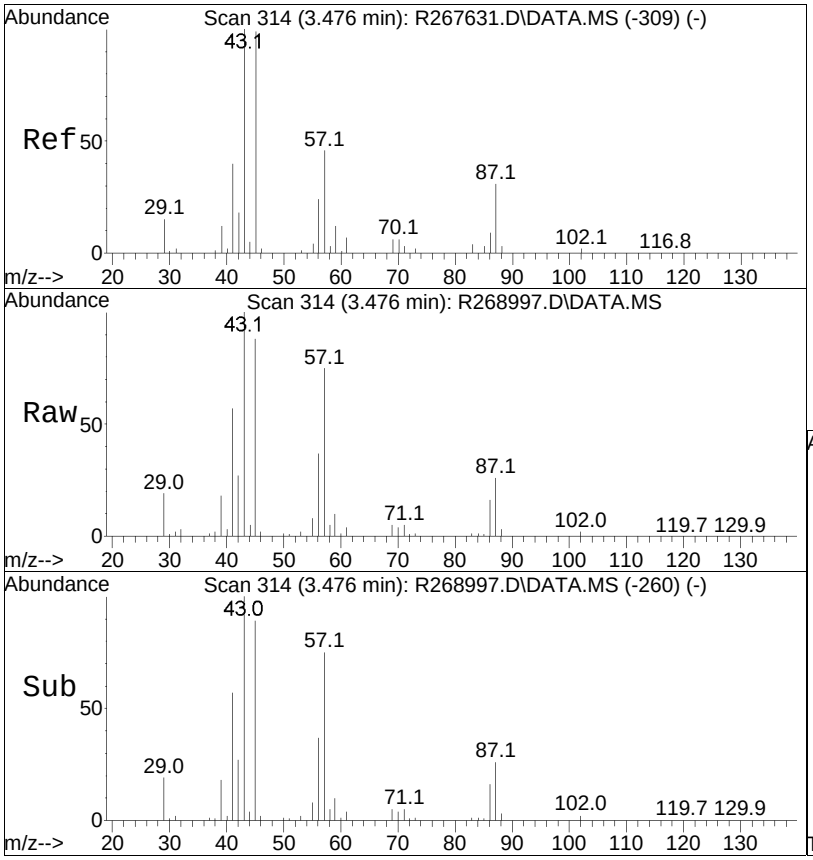


#42
1,2-dichloroethane
Concen: 9.11 ppbV
RT: 3.814 min Scan# 355
Delta R.T. 0.008 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 62 Resp: 139840

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.7	38.5
49	28.1	23.7	35.5
63	18.5	14.5	21.7

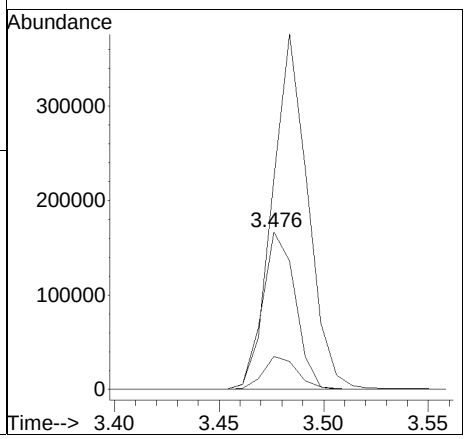


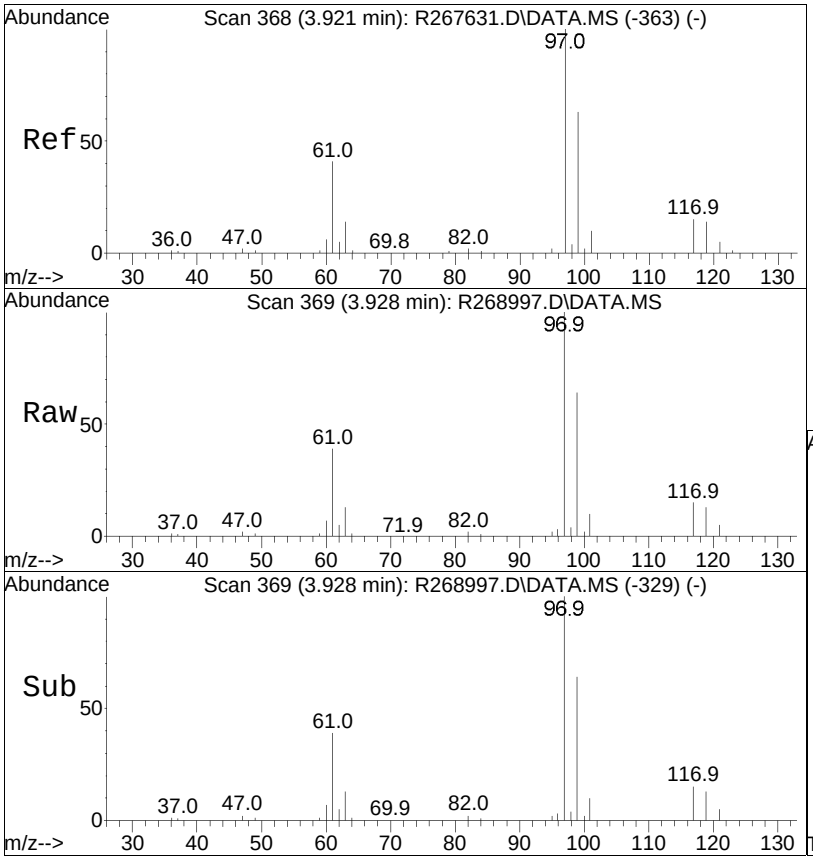


#44
hexane
Concen: 8.67 ppbV
RT: 3.476 min Scan# 314
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 57 Resp: 184222

Ion	Ratio	Lower	Upper
57	100		
43	134.0	175.4	263.0#
86	21.0	16.1	24.1

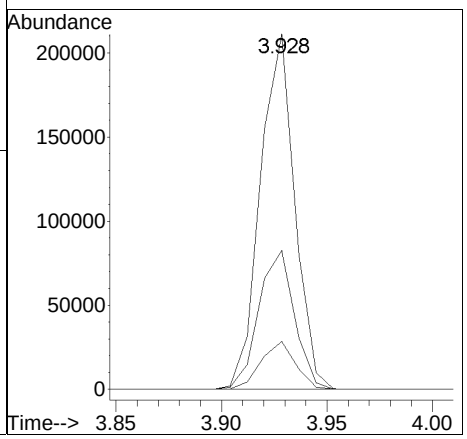


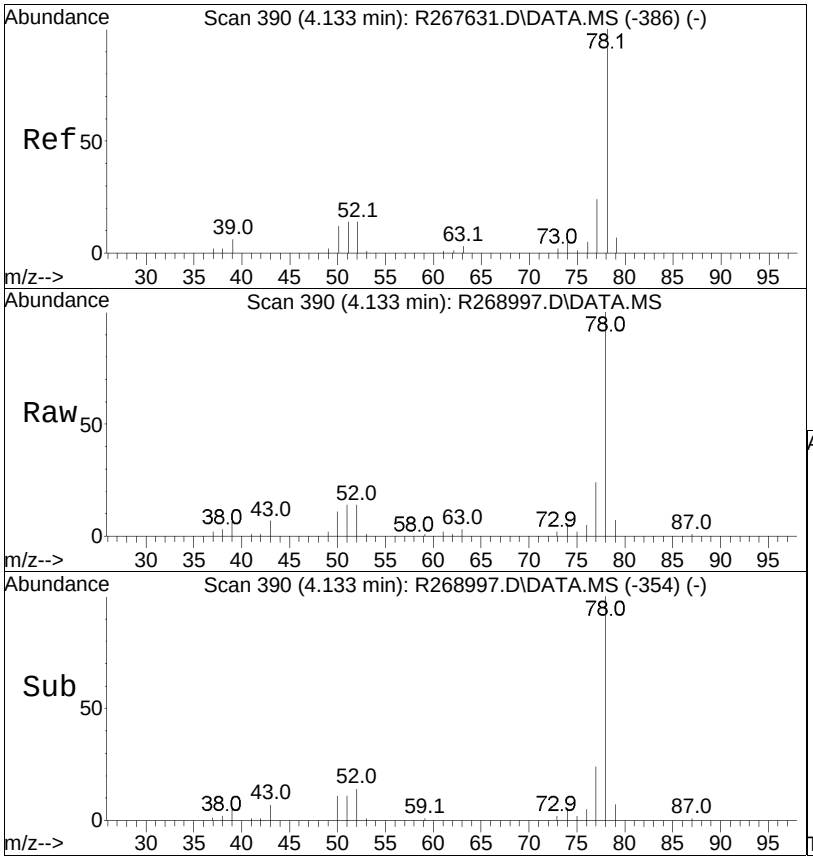


#48
1,1,1-trichloroethane
Concen: 9.08 ppbV
RT: 3.928 min Scan# 369
Delta R.T. 0.008 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 97 Resp: 240055

Ion	Ratio	Lower	Upper
97	100		
61	39.1	32.5	48.7
119	13.5	11.2	16.8

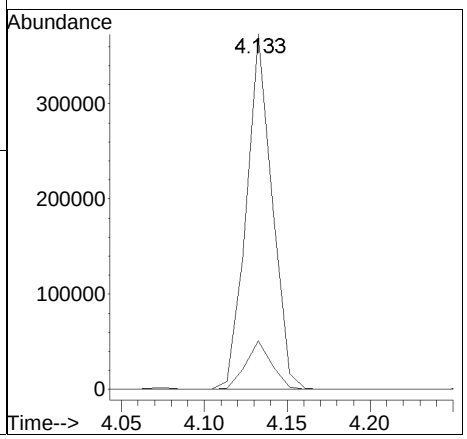


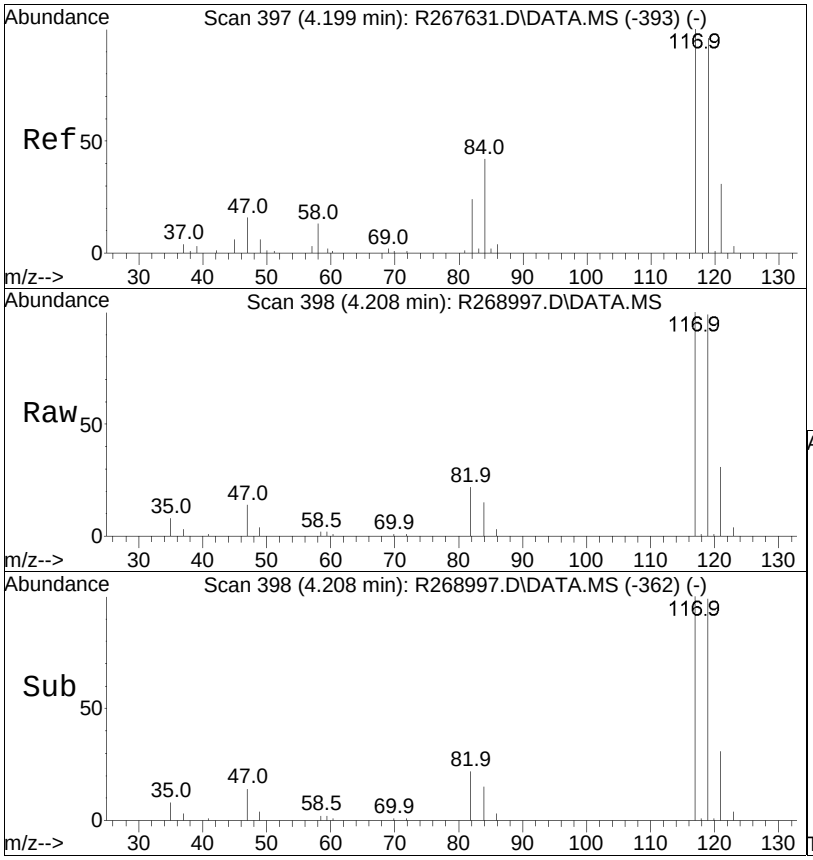


#50
benzene
Concen: 9.19 ppbV
RT: 4.133 min Scan# 390
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 78 Resp: 405337

Ion	Ratio	Lower	Upper
78	100		
52	13.7	11.3	16.9

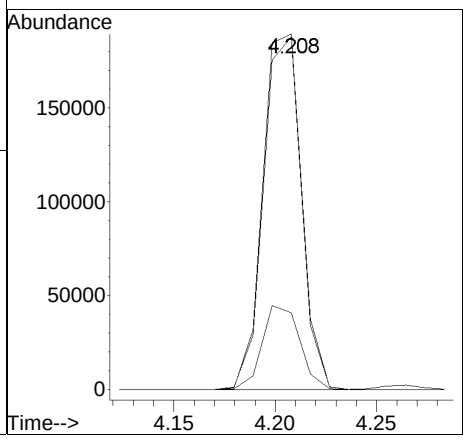


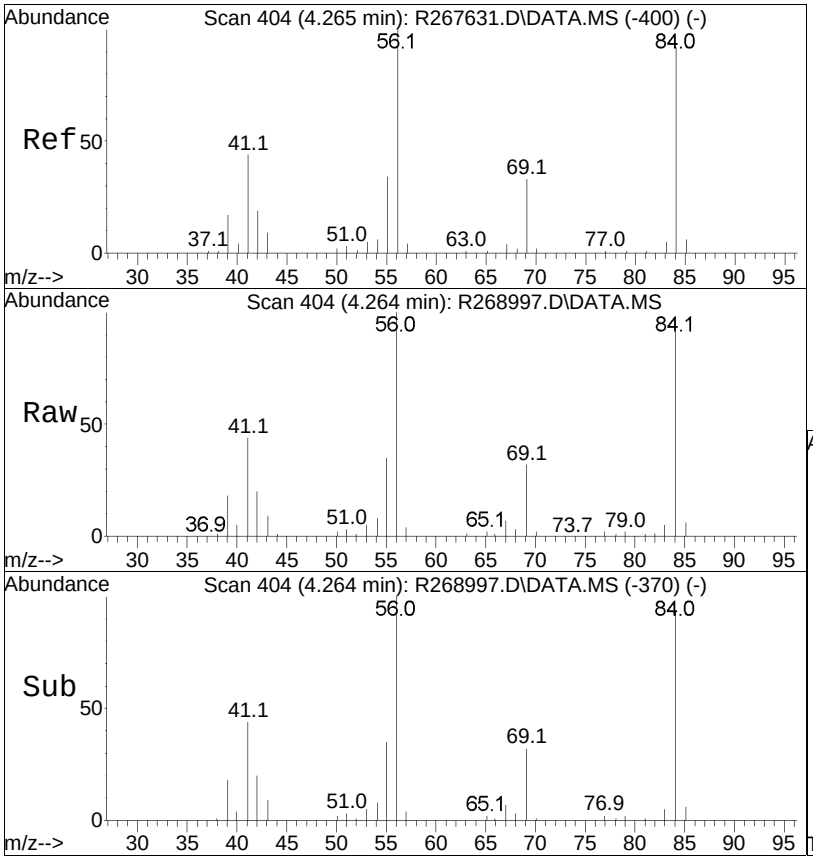


#52
carbon tetrachloride
Concen: 9.96 ppbV
RT: 4.208 min Scan# 398
Delta R.T. 0.009 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:117 Resp: 251920

Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.5	114.7
82	21.6	19.2	28.8

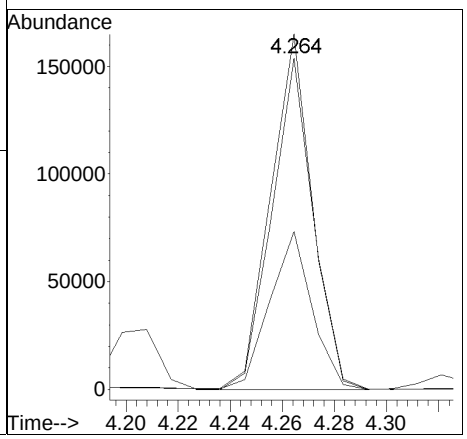


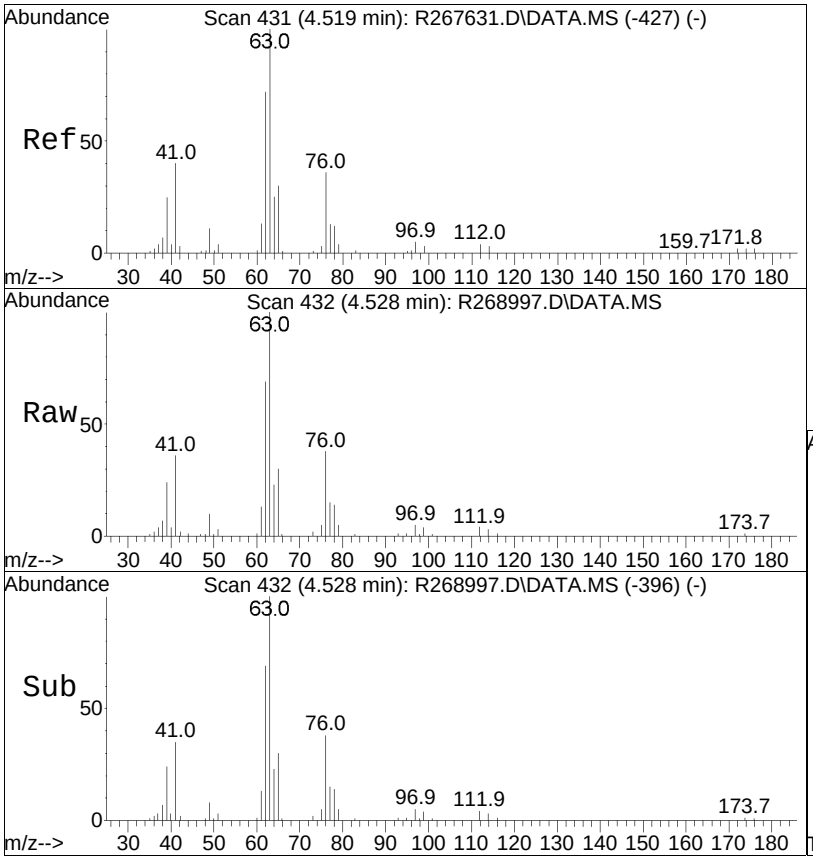


#53
cyclohexane
Concen: 9.11 ppbV
RT: 4.264 min Scan# 404
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 56 Resp: 184000

Ion	Ratio	Lower	Upper
56	100		
84	93.2	73.7	110.5
41	44.4	35.0	52.4

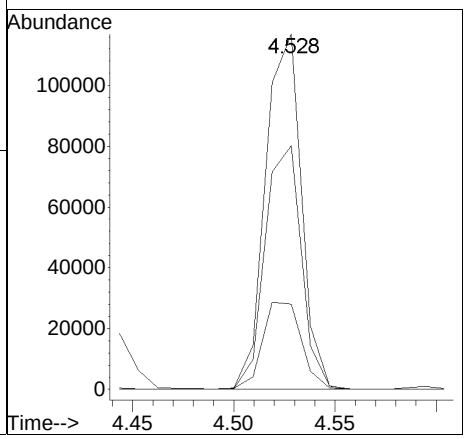


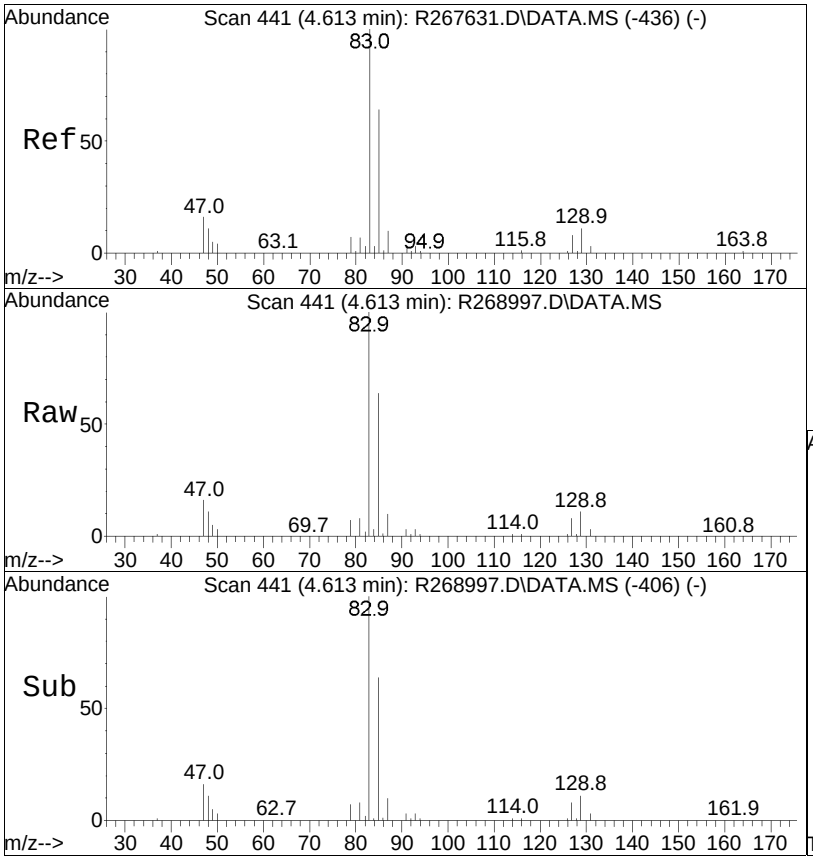


#56
1,2-dichloropropane
Concen: 9.15 ppbV
RT: 4.528 min Scan# 432
Delta R.T. 0.009 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 63 Resp: 144286

Ion	Ratio	Lower	Upper
63	100		
62	68.6	57.4	86.2
39	24.0	20.5	30.7

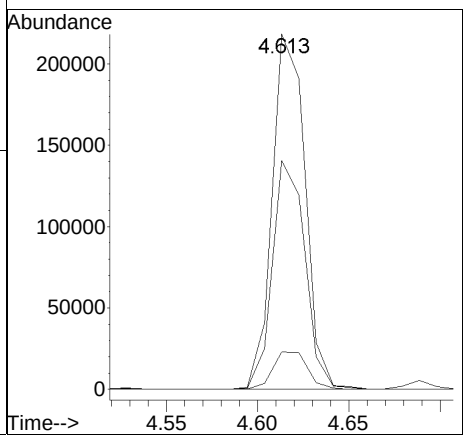


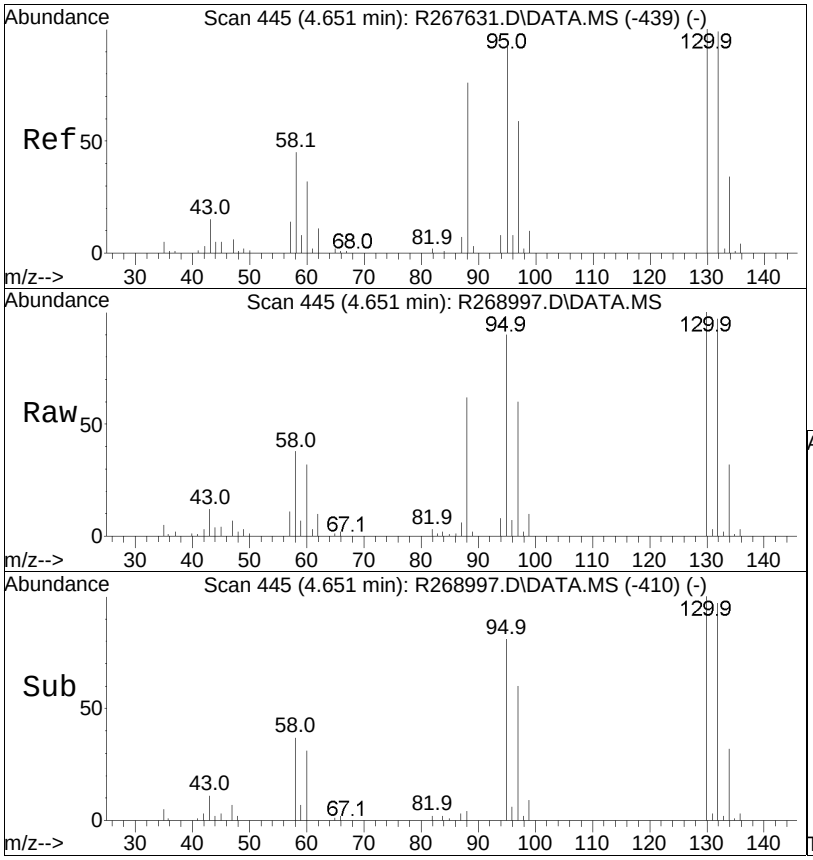


#57
bromodichloromethane
Concen: 10.15 ppbV
RT: 4.613 min Scan# 441
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 83 Resp: 274368

Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3
129	10.5	9.0	13.4

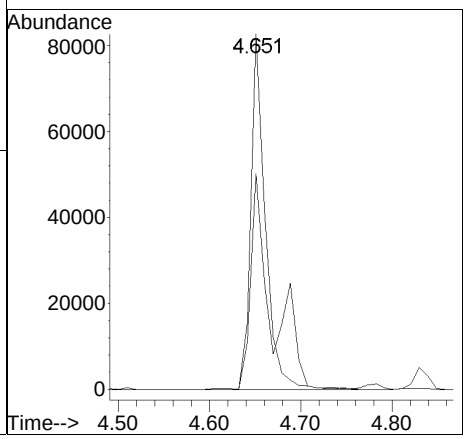


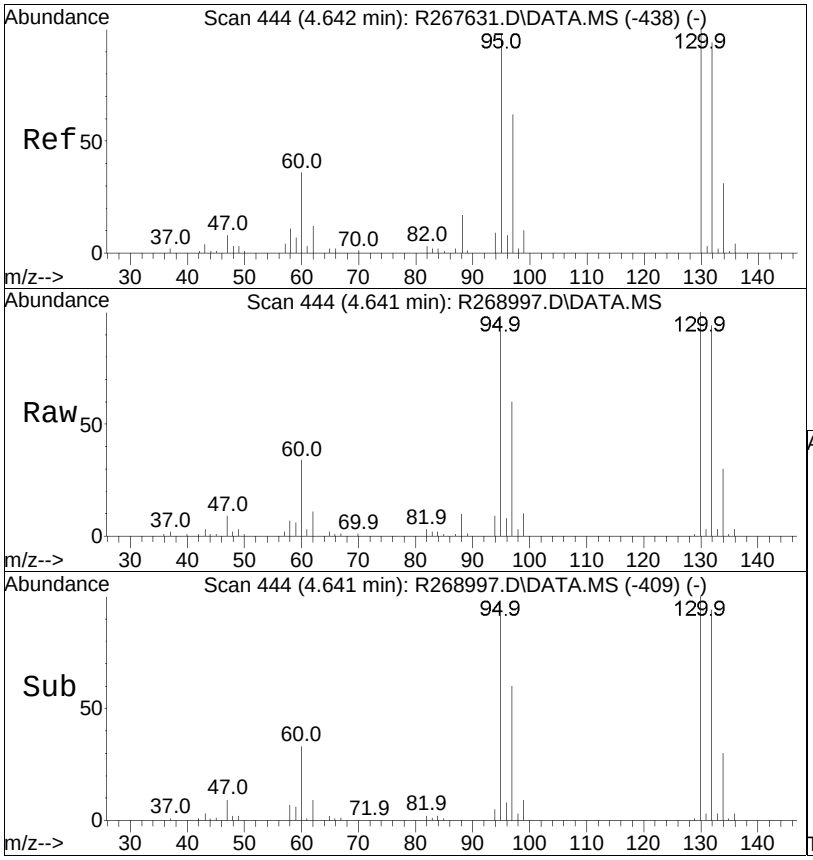


#58
1,4-dioxane
Concen: 9.45 ppbV
RT: 4.651 min Scan# 445
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 88 Resp: 91683

Ion	Ratio	Lower	Upper
88	100		
58	60.8	47.0	70.6

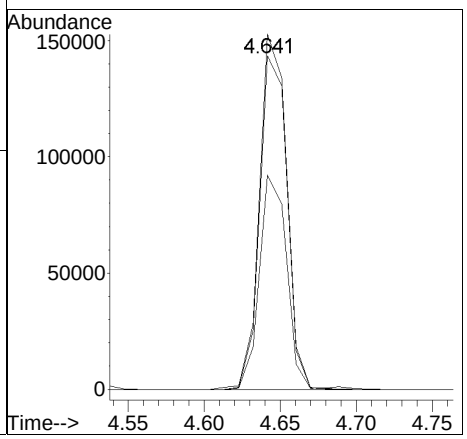


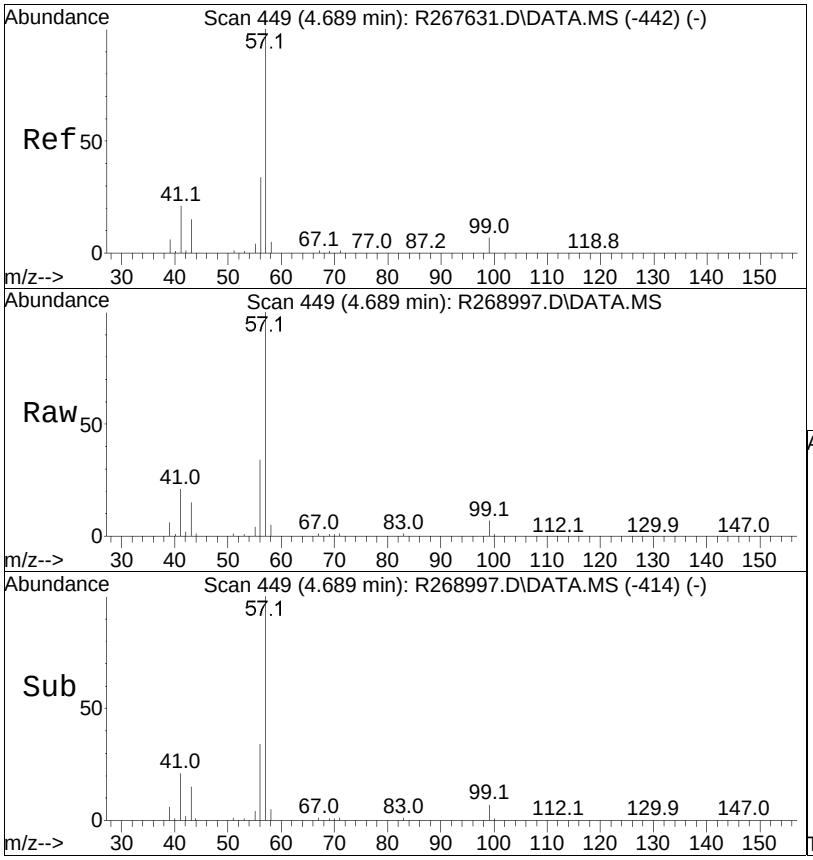


#59
trichloroethene
Concen: 9.02 ppbV
RT: 4.641 min Scan# 444
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:130 Resp: 190634

Ion	Ratio	Lower	Upper
130	100		
132	93.9	75.4	113.0
97	60.3	49.8	74.6

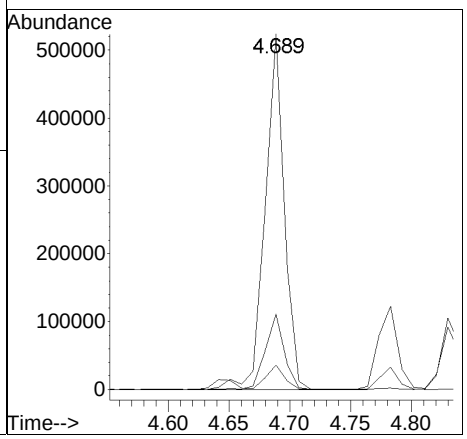


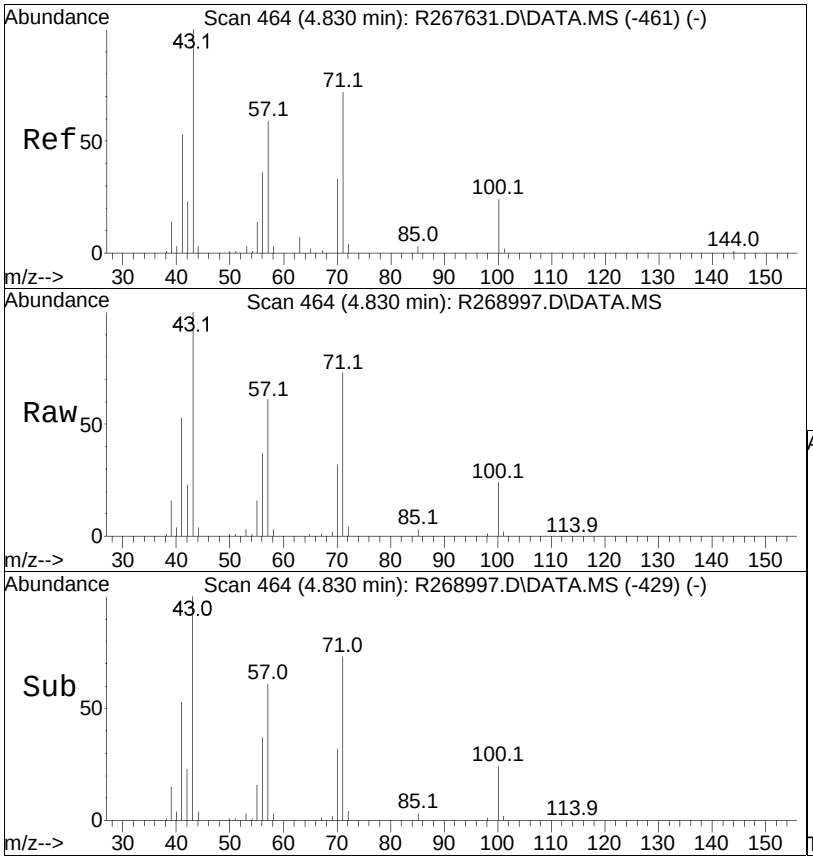


#60
2,2,4-trimethylpentane
Concen: 9.44 ppbV
RT: 4.689 min Scan# 449
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 57 Resp: 578145

Ion	Ratio	Lower	Upper
57	100		
99	6.9	5.4	8.2
41	21.2	16.7	25.1

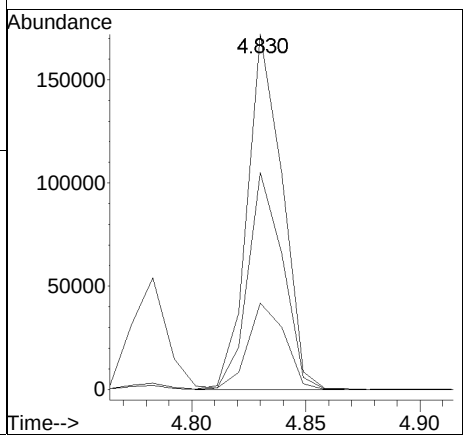


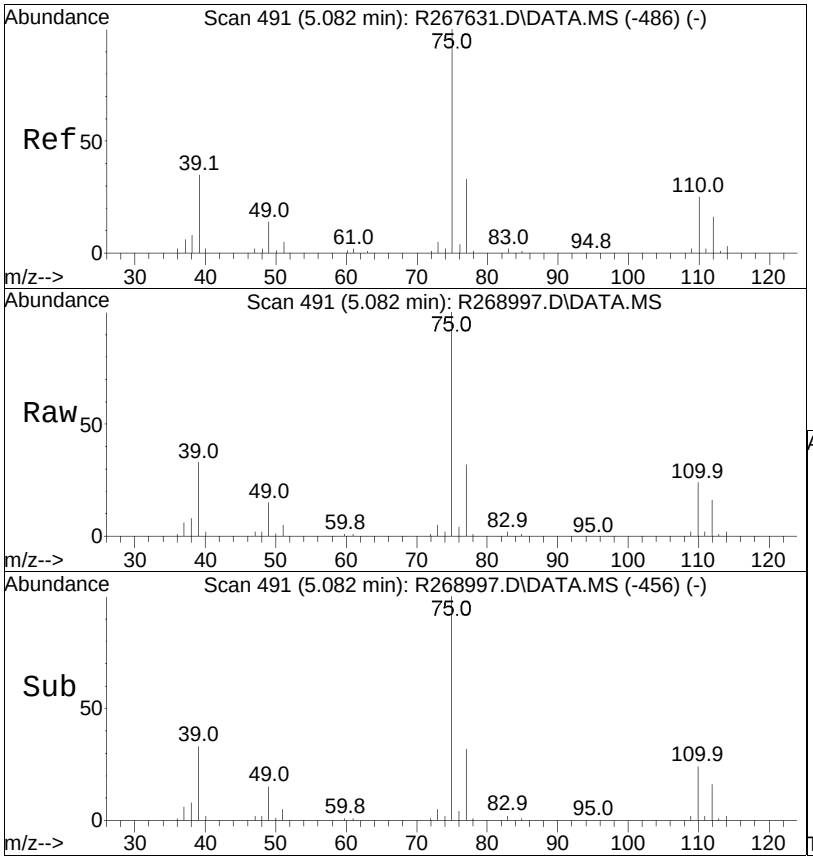


#62
heptane
Concen: 8.93 ppbV
RT: 4.830 min Scan# 464
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 43 Resp: 184091

Ion	Ratio	Lower	Upper
43	100		
57	61.0	47.2	70.8
100	24.3	19.8	29.8

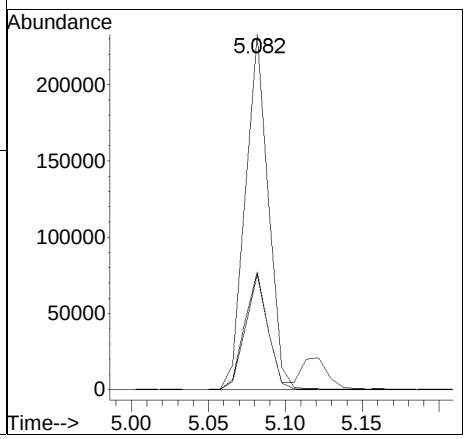


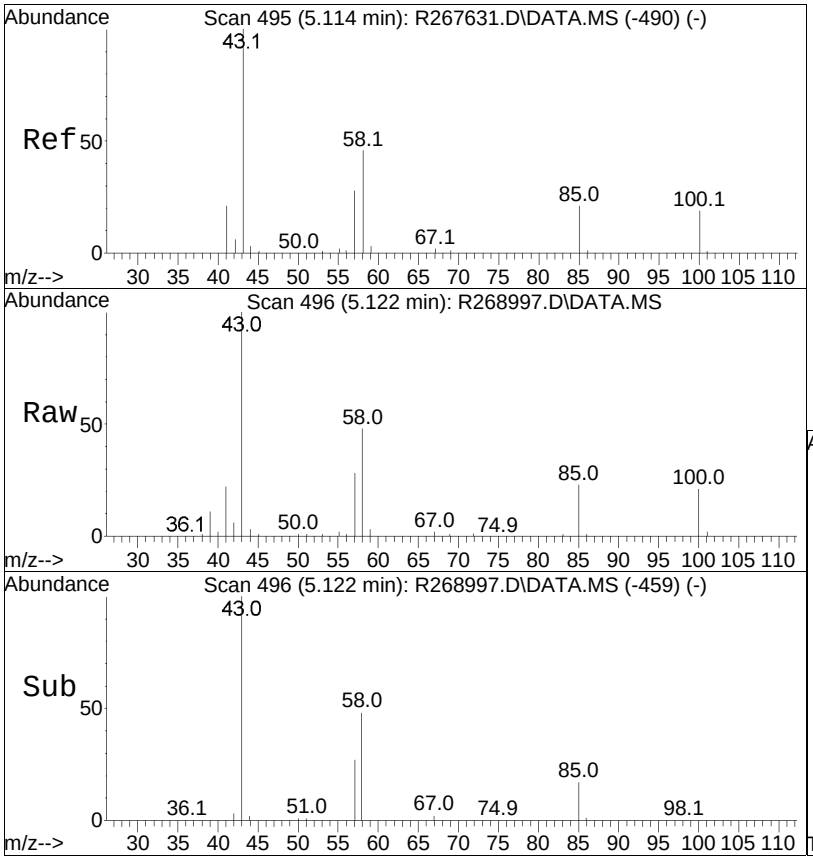


#63
cis-1,3-dichloropropene
Concen: 10.66 ppbV
RT: 5.082 min Scan# 491
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 75 Resp: 243060

Ion	Ratio	Lower	Upper
75	100		
39	33.1	27.6	41.4
77	32.4	26.3	39.5

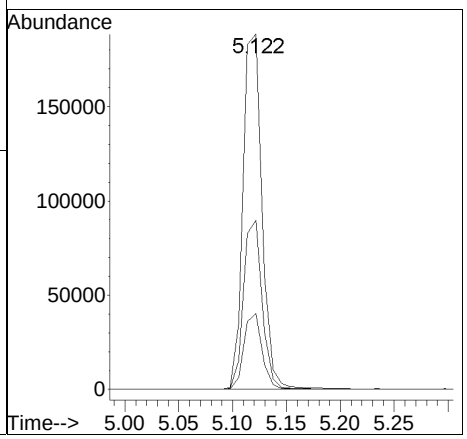


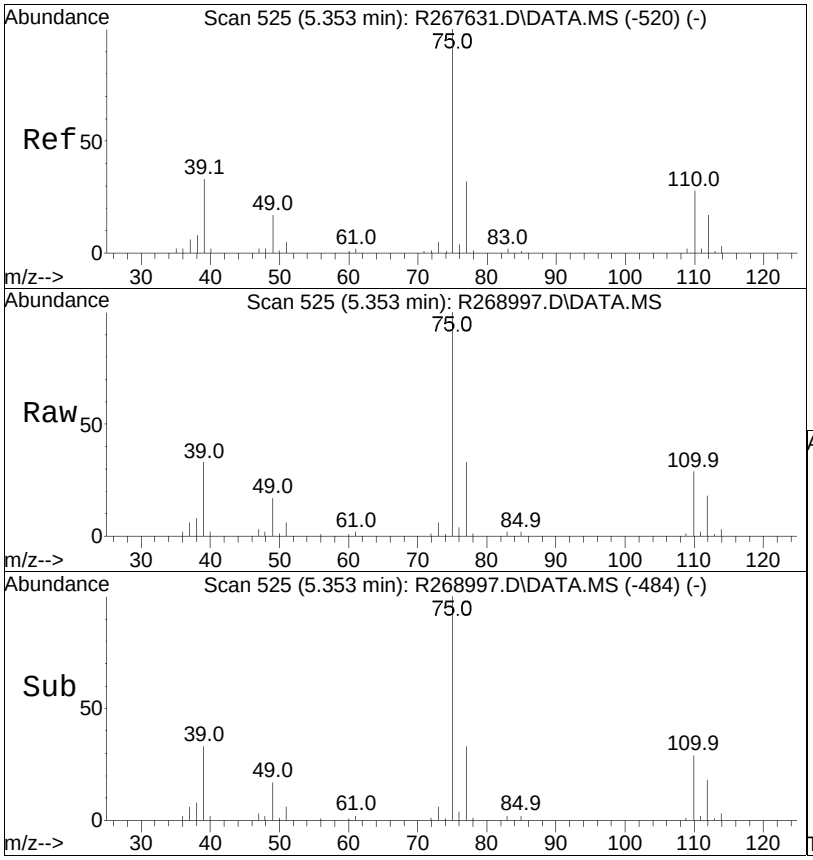


#64
4-methyl-2-pentanone
Concen: 9.01 ppbV
RT: 5.122 min Scan# 496
Delta R.T. 0.008 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 43 Resp: 233650

Ion	Ratio	Lower	Upper
43	100		
58	47.6	36.7	55.1
100	21.3	15.1	22.7

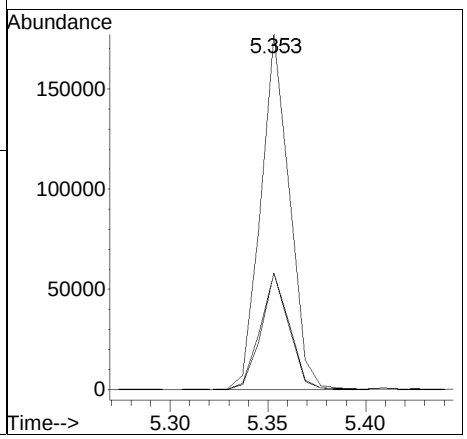


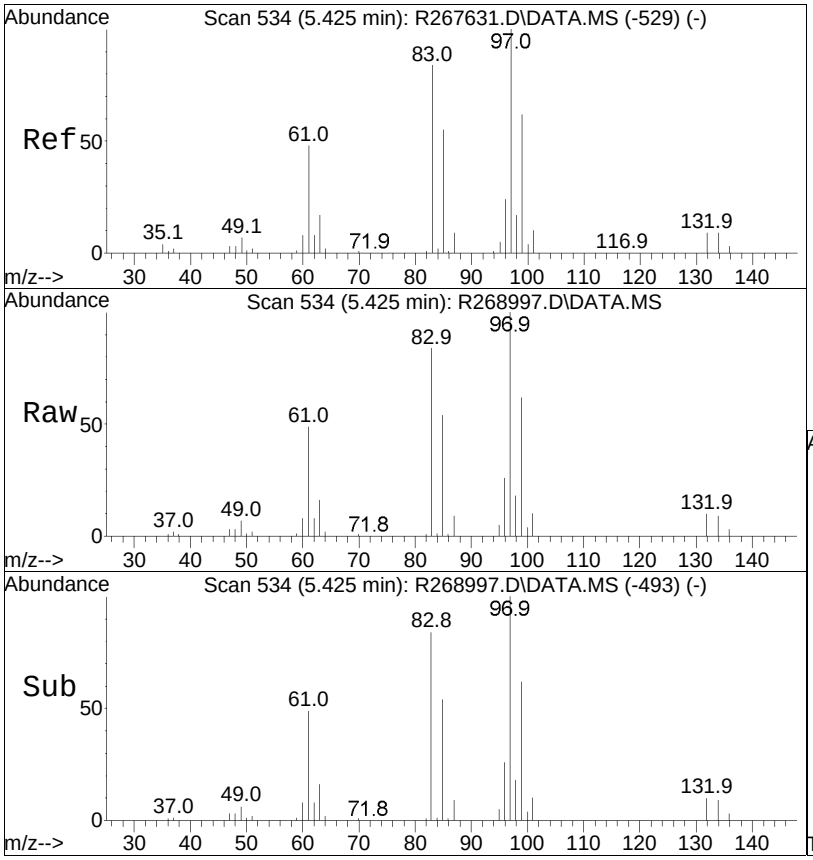


#65
trans-1,3-dichloropropene
Concen: 10.32 ppbV
RT: 5.353 min Scan# 525
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 75 Resp: 181250

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.0	39.0
39	32.7	26.5	39.7

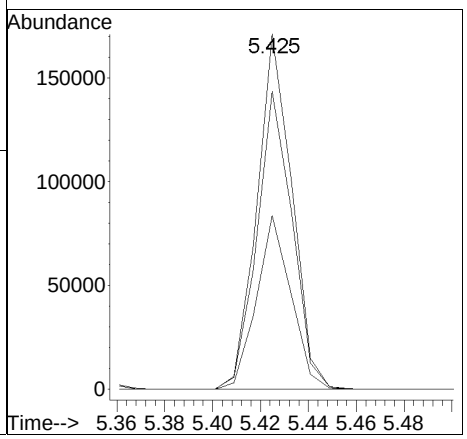


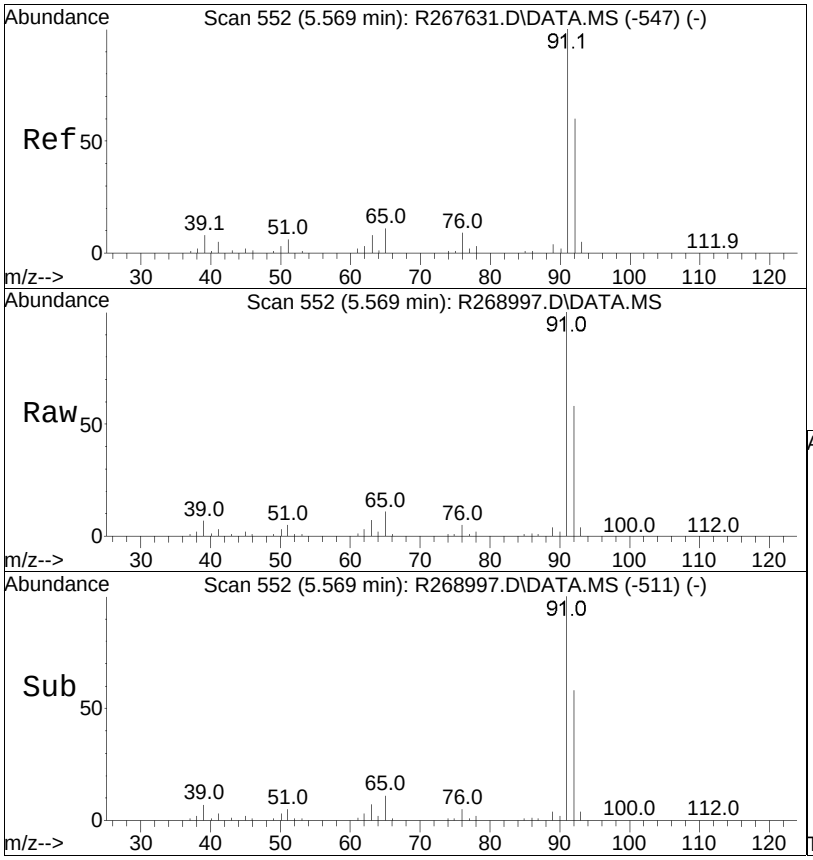


#66
1,1,2-trichloroethane
Concen: 9.37 ppbV
RT: 5.425 min Scan# 534
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 97 Resp: 174030

Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.2	100.8
61	48.9	38.6	57.8

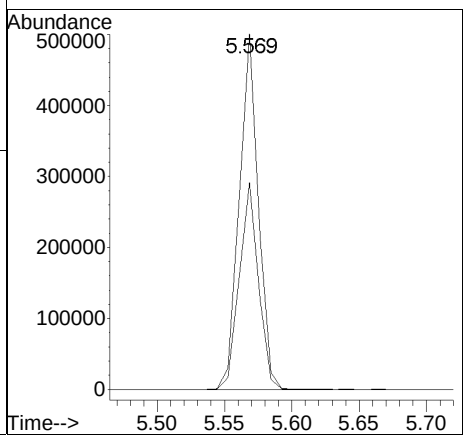


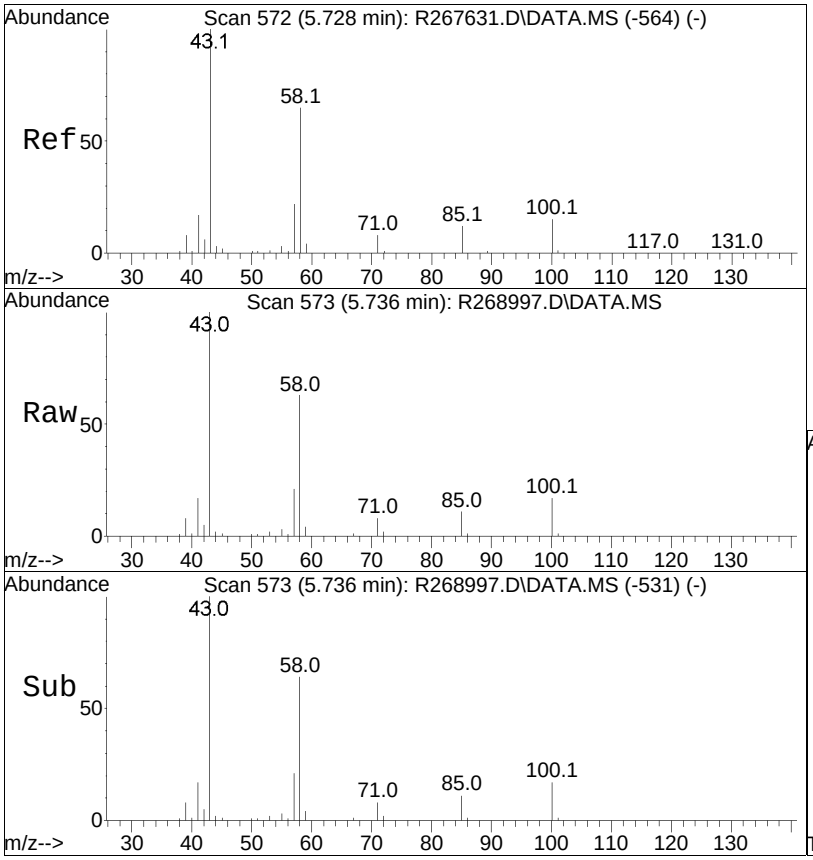


#68
toluene
Concen: 9.66 ppbV
RT: 5.569 min Scan# 552
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 91 Resp: 493103

Ion	Ratio	Lower	Upper
91	100		
92	58.2	48.3	72.5

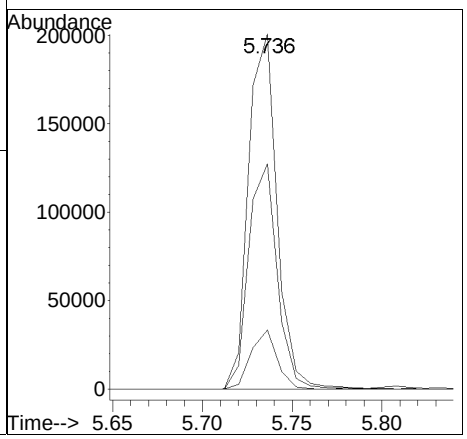


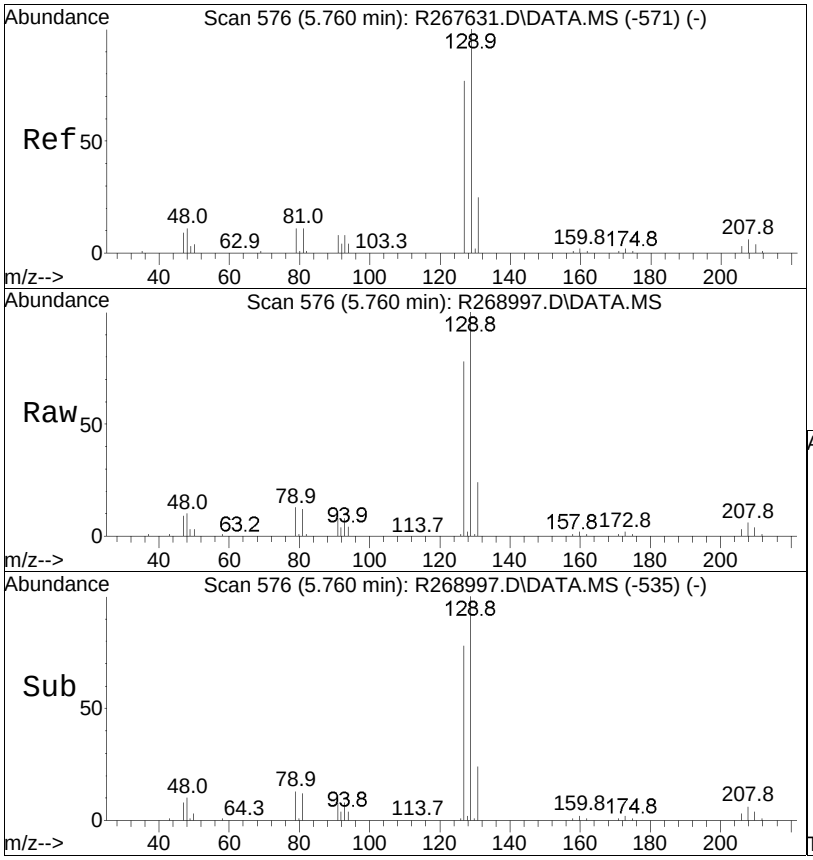


#72
2-hexanone
Concen: 9.50 ppbV
RT: 5.736 min Scan# 573
Delta R.T. 0.008 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 43 Resp: 223854

Ion	Ratio	Lower	Upper
43	100		
58	63.5	51.7	77.5
100	16.7	12.5	18.7

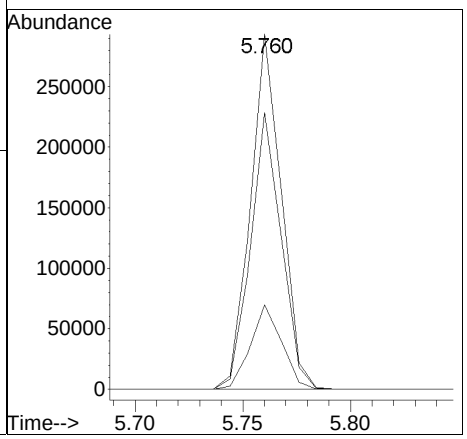


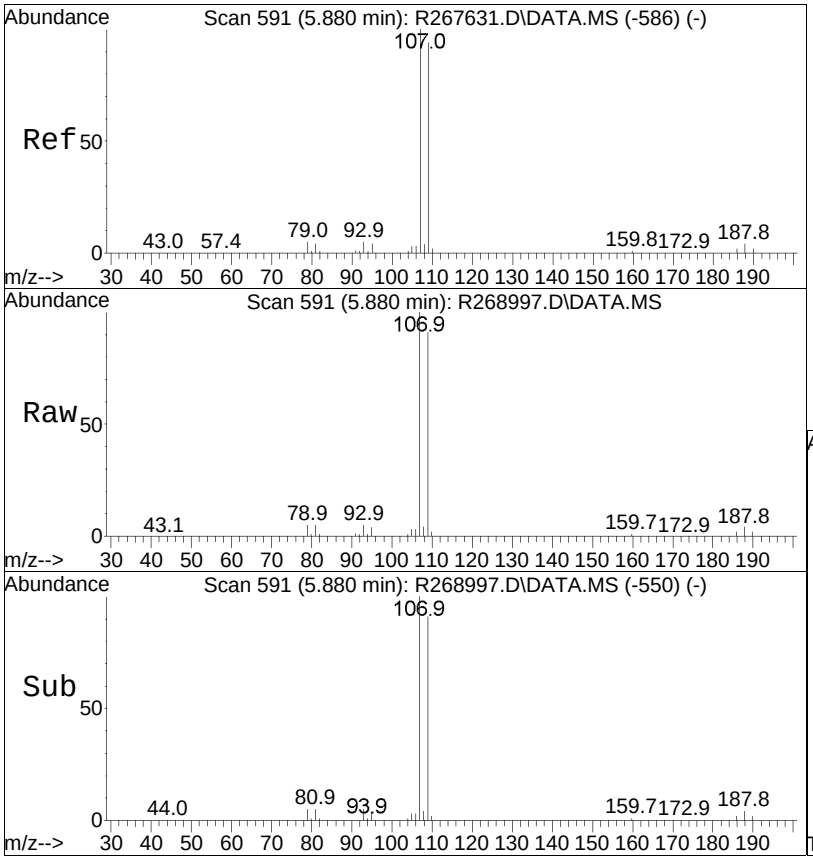


#74
dibromochloromethane
Concen: 11.11 ppbV
RT: 5.760 min Scan# 576
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:129 Resp: 292754

Ion	Ratio	Lower	Upper
129	100		
127	77.9	61.8	92.8
131	23.8	19.7	29.5

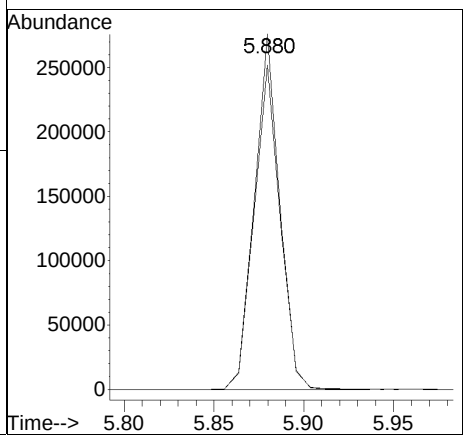


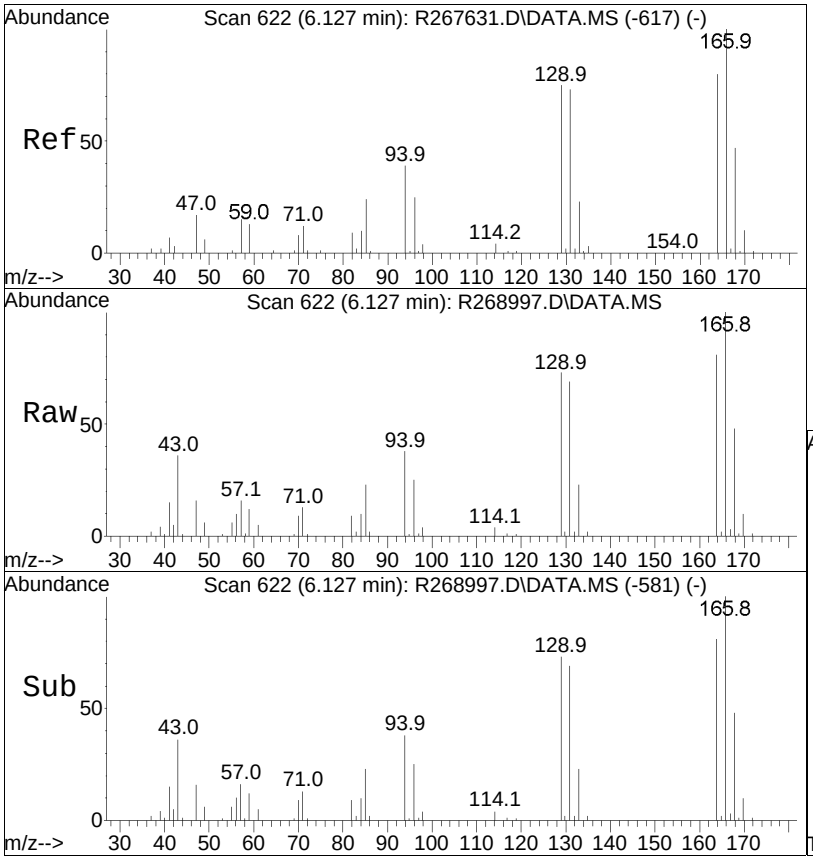


#75
1,2-dibromoethane
Concen: 10.38 ppbV
RT: 5.880 min Scan# 591
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:107 Resp: 270523

Ion	Ratio	Lower	Upper
107	100		
109	91.3	75.0	112.6

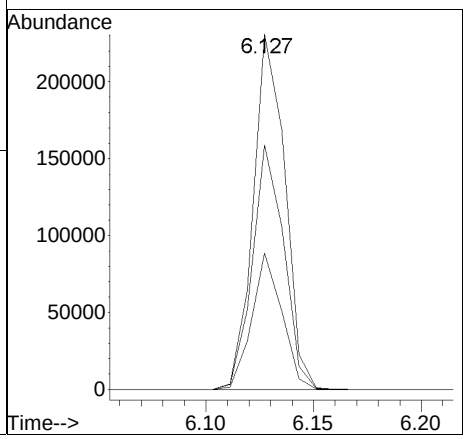


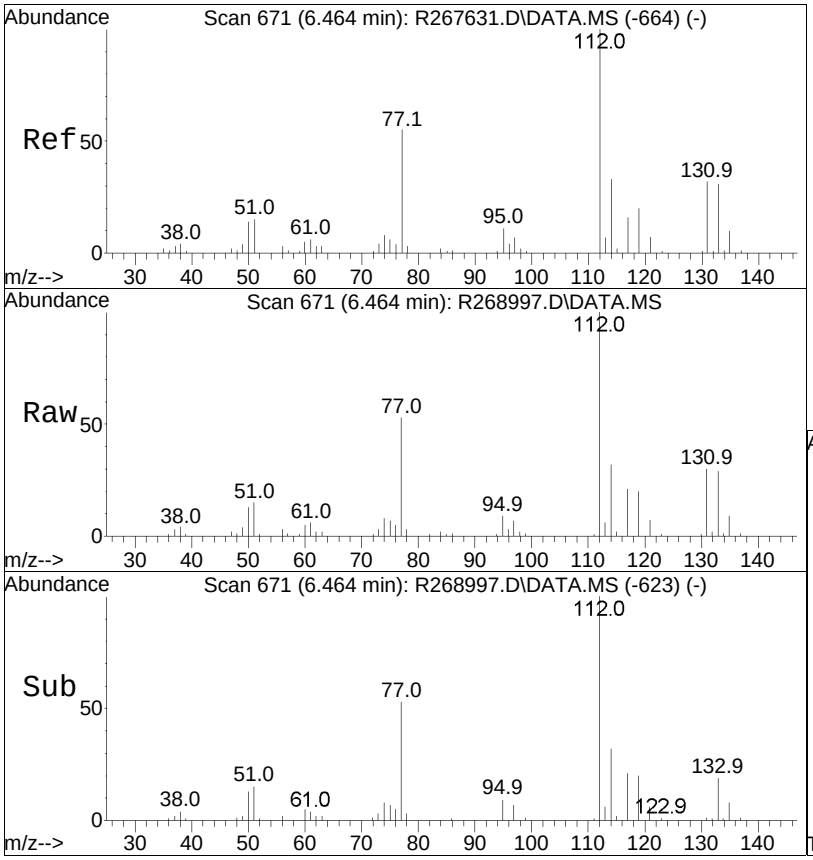


#78
tetrachloroethene
Concen: 10.12 ppbV
RT: 6.127 min Scan# 622
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:166 Resp: 235789

Ion	Ratio	Lower	Upper
166	100		
131	68.8	58.6	88.0
94	38.3	31.2	46.8

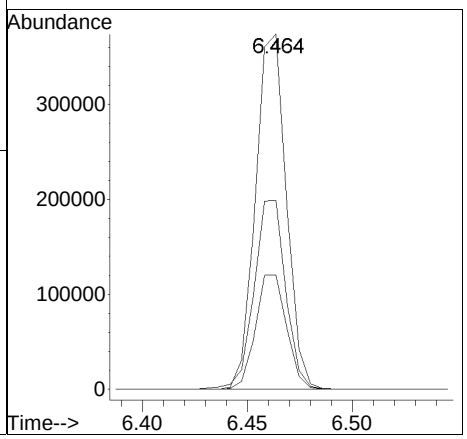


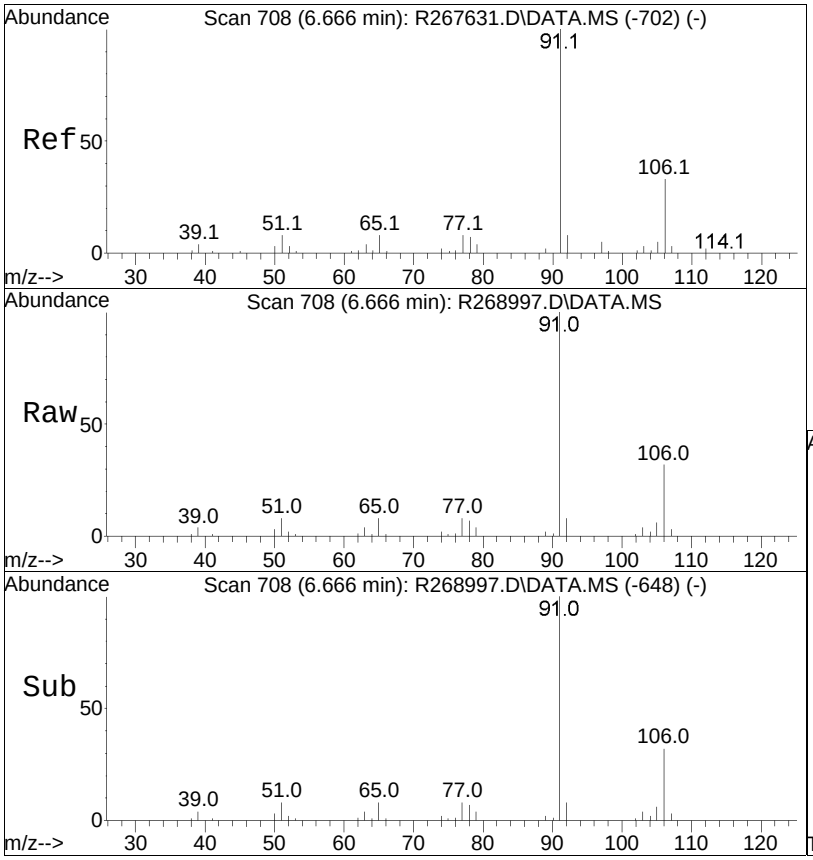


#80
chlorobenzene
Concen: 9.62 ppbV
RT: 6.464 min Scan# 671
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:112 Resp: 382225

Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.7	40.1
77	53.2	44.3	66.5

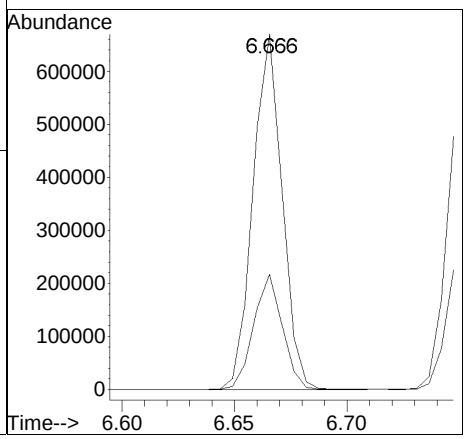


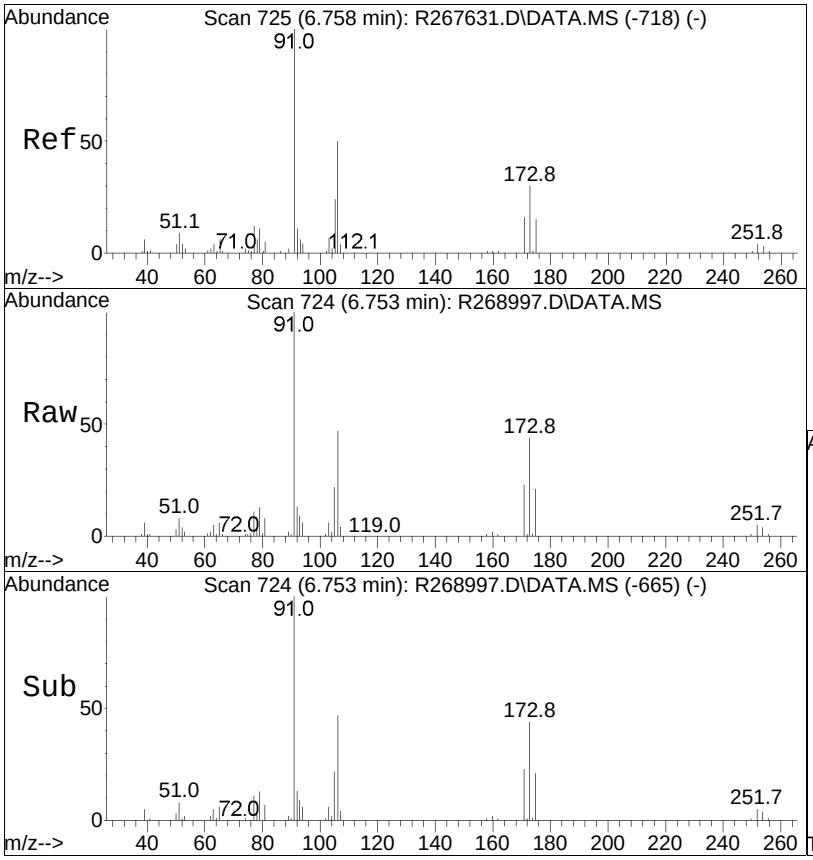


#81
ethylbenzene
Concen: 9.42 ppbV
RT: 6.666 min Scan# 708
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 91 Resp: 603842

Ion	Ratio	Lower	Upper
91	100		
106	32.4	26.3	39.5

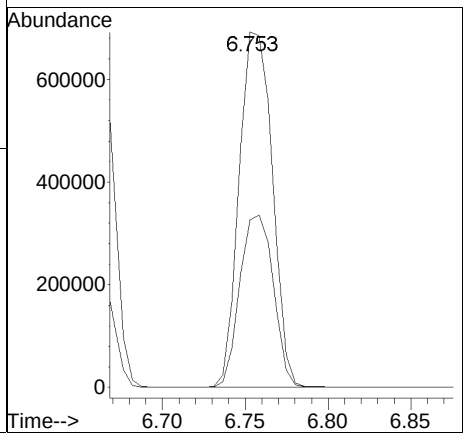


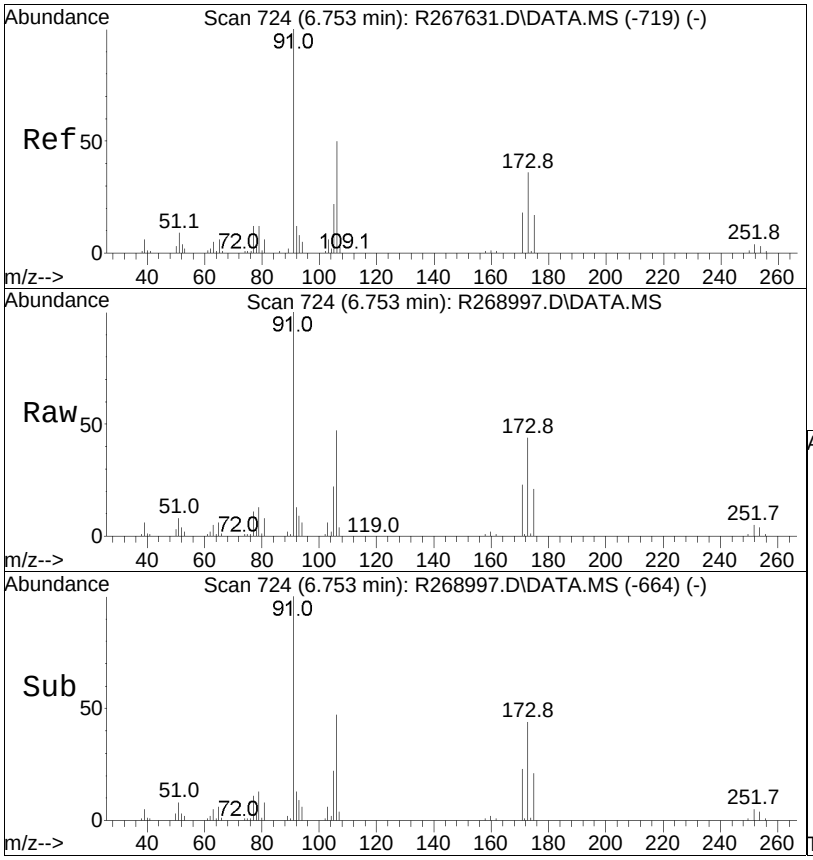


#83
m+p-xylene
Concen: 19.60 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.006 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 91 Resp: 966590

Ion	Ratio	Lower	Upper
91	100		
106	47.1	40.1	60.1

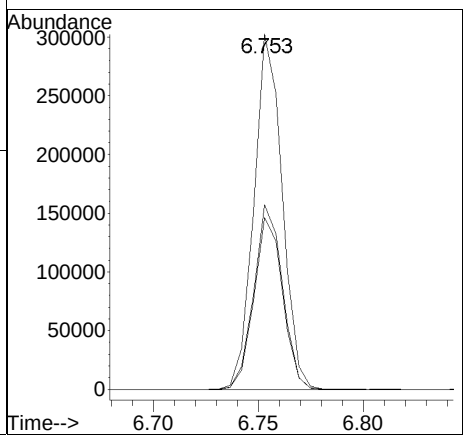


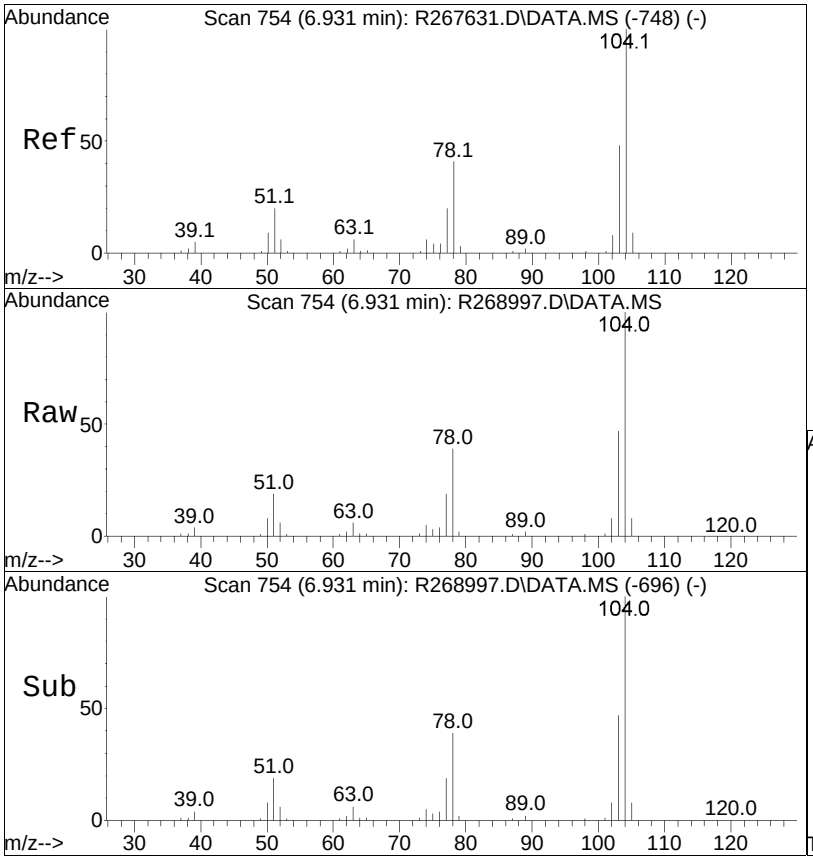


#84
bromoform
Concen: 11.93 ppbV
RT: 6.753 min Scan# 724
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:173 Resp: 282914

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	58.0
171	52.0	40.7	61.1

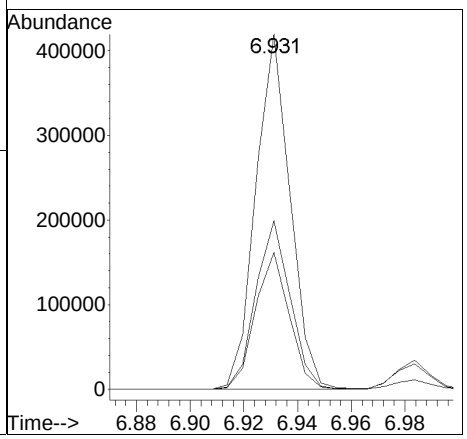


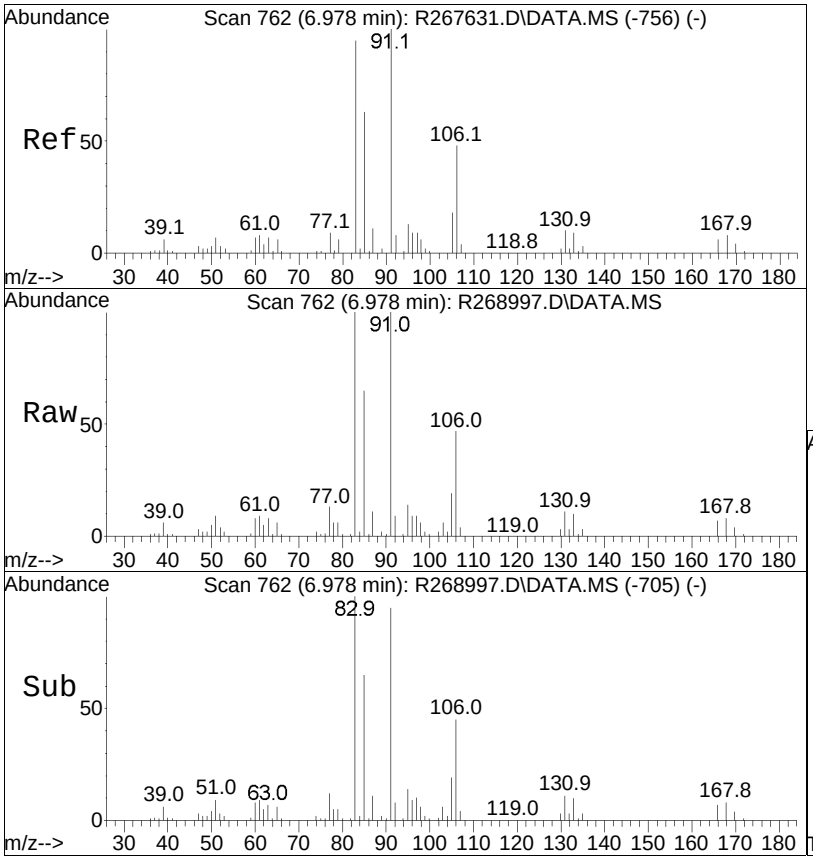


#85
styrene
Concen: 9.73 ppbV
RT: 6.931 min Scan# 754
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:104 Resp: 374419

Ion	Ratio	Lower	Upper
104	100		
103	47.4	38.6	57.8
78	38.5	32.5	48.7

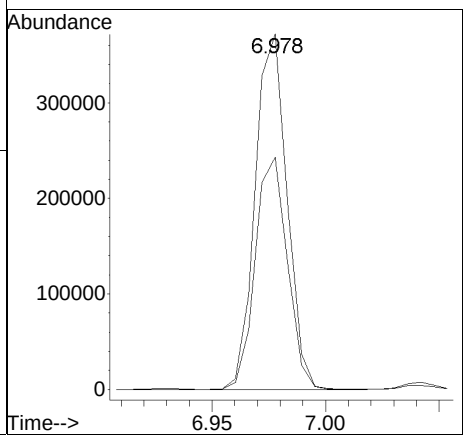


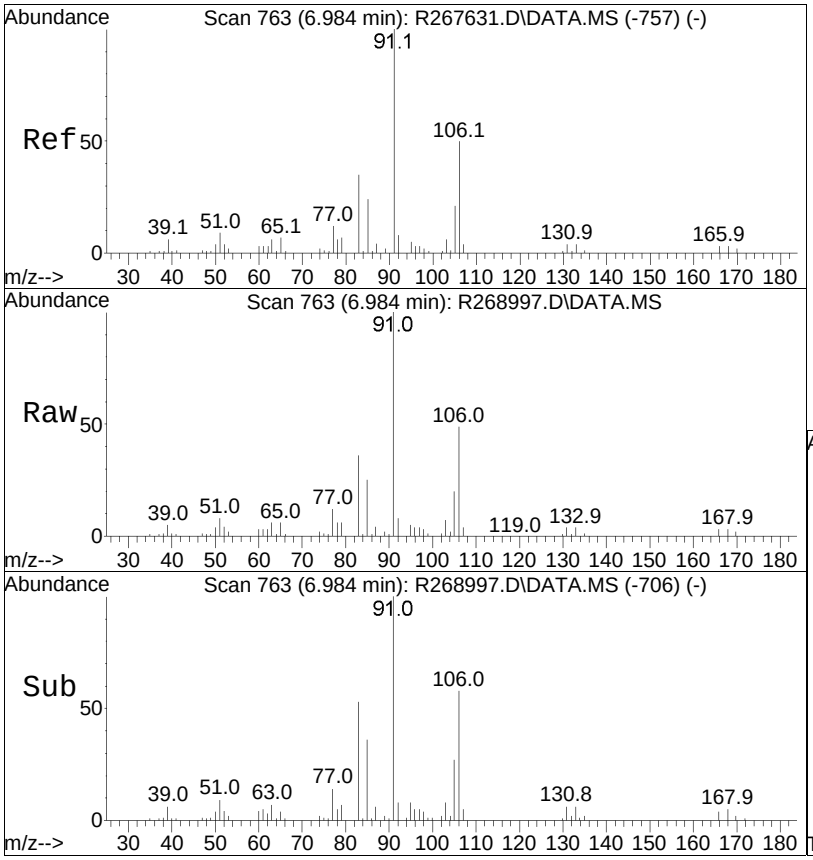


#86
1,1,2,2-tetrachloroethane
Concen: 9.76 ppbV
RT: 6.978 min Scan# 762
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 83 Resp: 362711

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.9	79.3

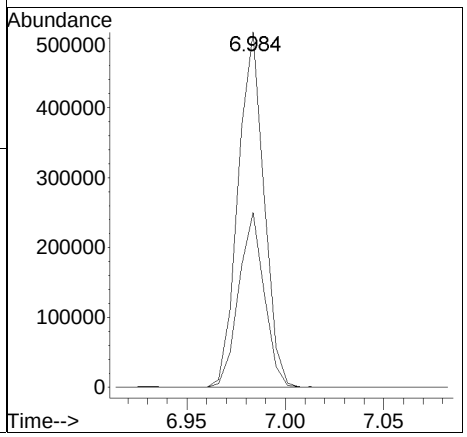


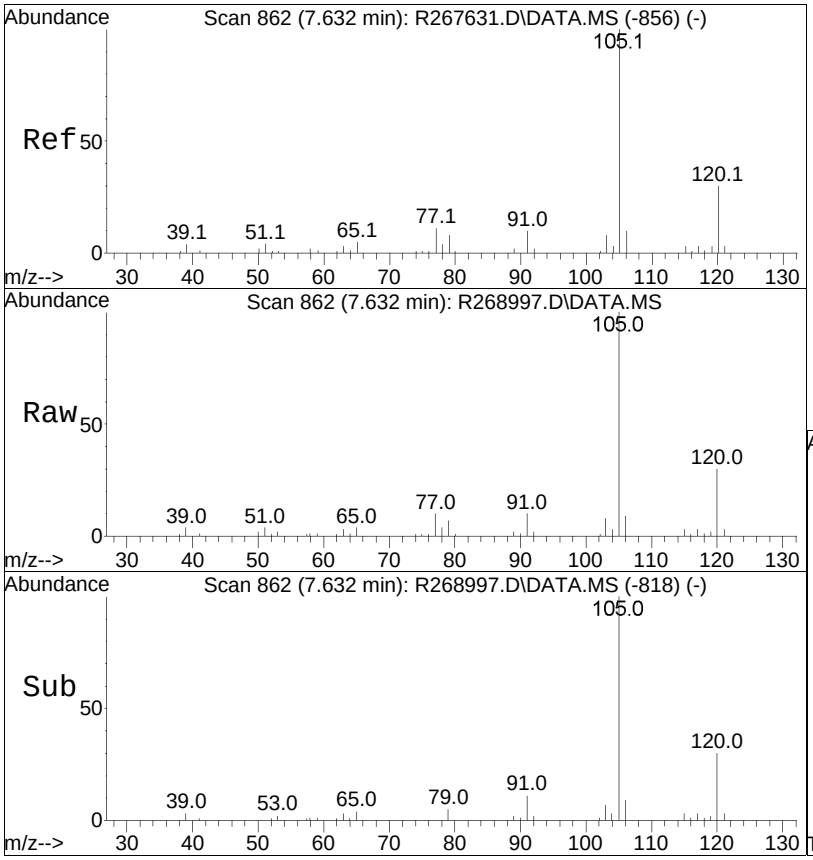


#87
o-xylene
Concen: 9.41 ppbV
RT: 6.984 min Scan# 763
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 91 Resp: 467157

Ion	Ratio	Lower	Upper
91	100		
106	49.3	40.2	60.2

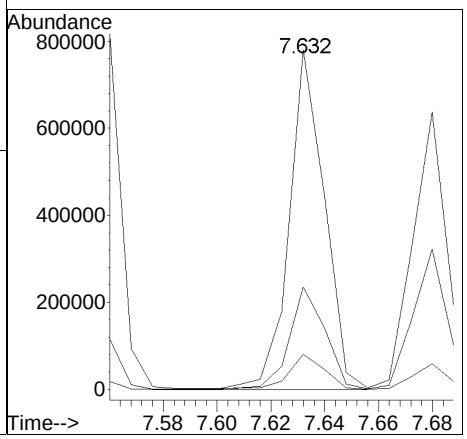


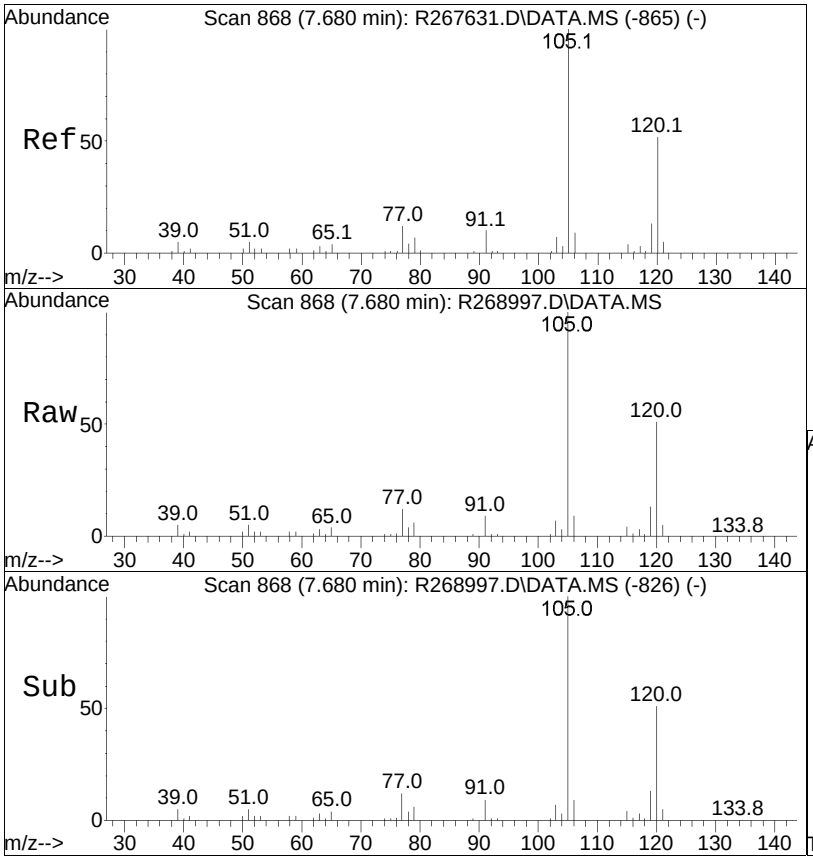


#96
4-ethyl toluene
Concen: 10.72 ppbV
RT: 7.632 min Scan# 862
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:105 Resp: 708377

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.3	36.5
91	10.3	8.3	12.5

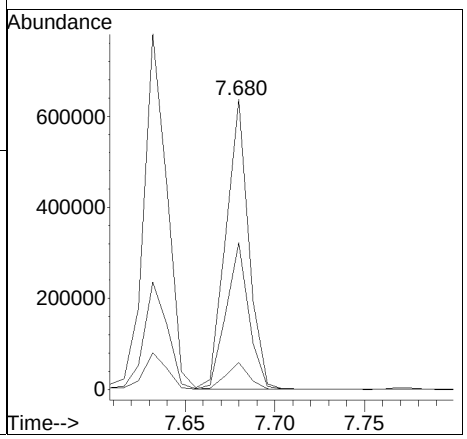


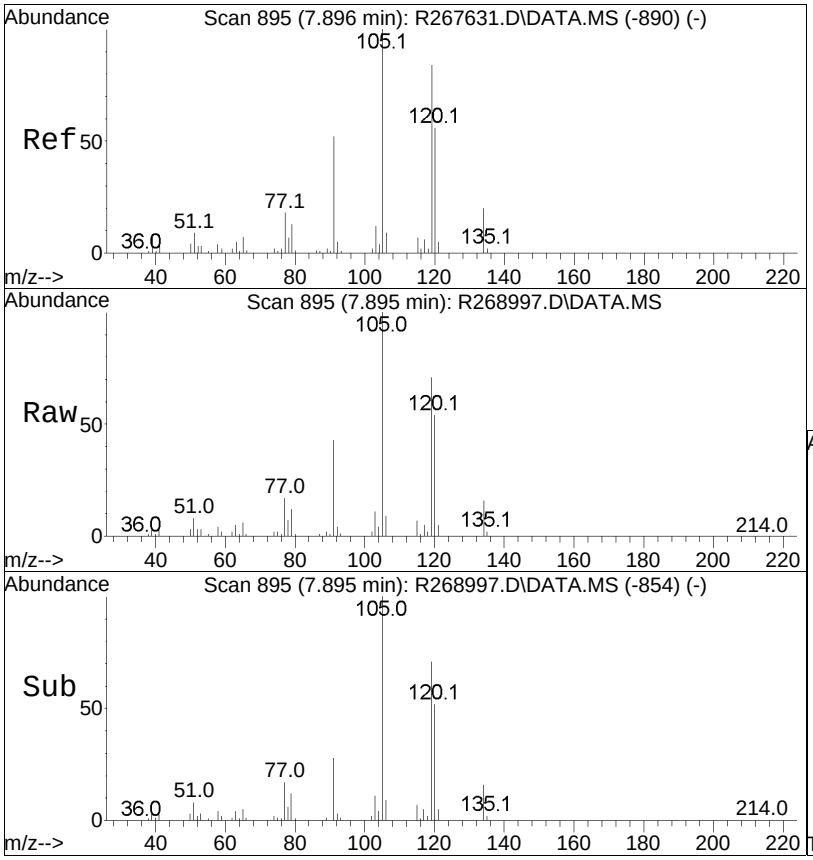


#97
1,3,5-trimethylbenzene
Concen: 10.00 ppbV
RT: 7.680 min Scan# 868
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:105 Resp: 564934

Ion	Ratio	Lower	Upper
105	100		
120	50.6	41.4	62.0
91	9.3	7.7	11.5

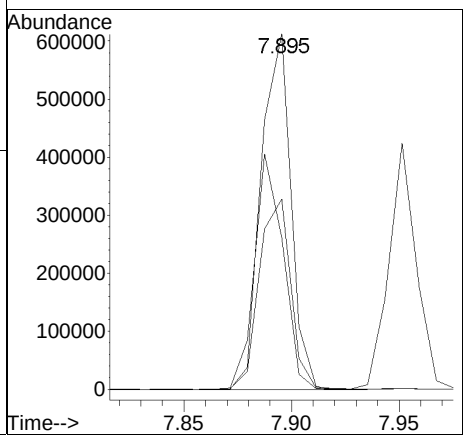


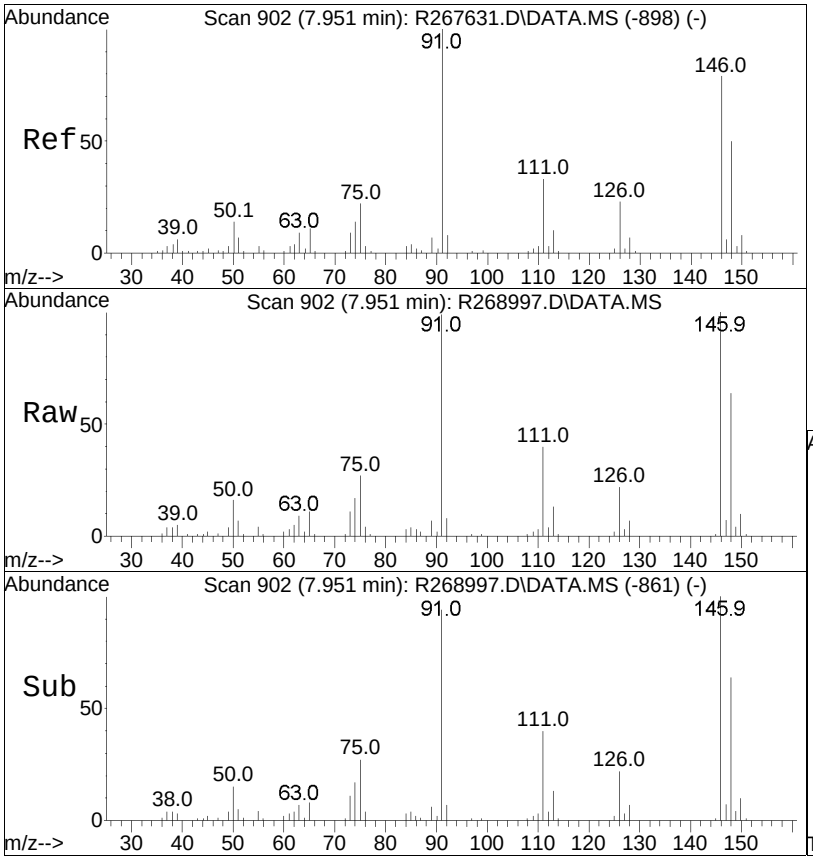


#99
1,2,4-trimethylbenzene
Concen: 10.41 ppbV
RT: 7.895 min Scan# 895
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:105 Resp: 589570

Ion	Ratio	Lower	Upper
105	100		
120	53.6	44.4	66.6
91	42.7	41.9	62.9

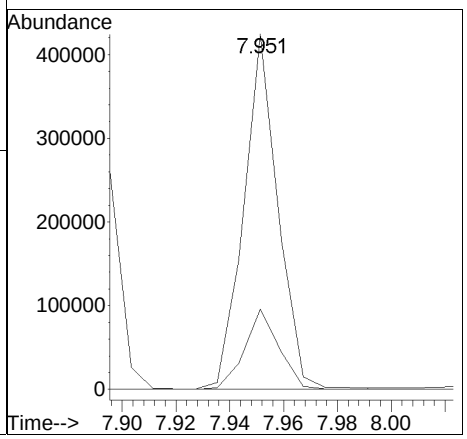


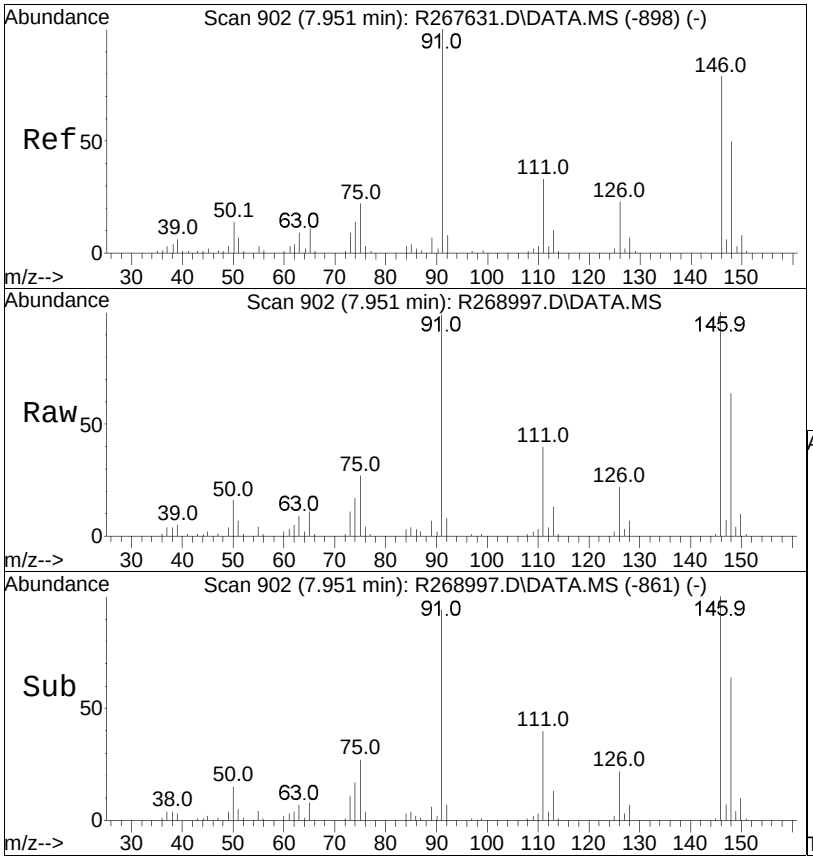


#101
Benzyl Chloride
Concen: 7.89 ppbV
RT: 7.951 min Scan# 902
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion: 91 Resp: 375704

Ion	Ratio	Lower	Upper
91	100		
126	22.6	18.2	27.4

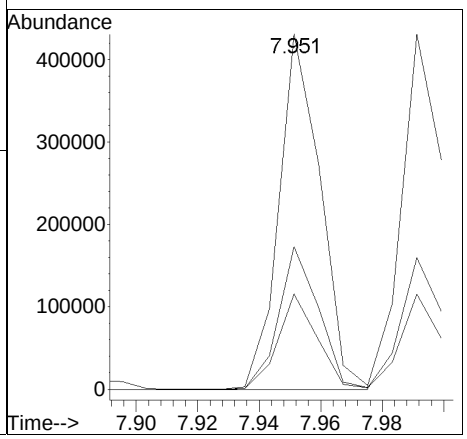


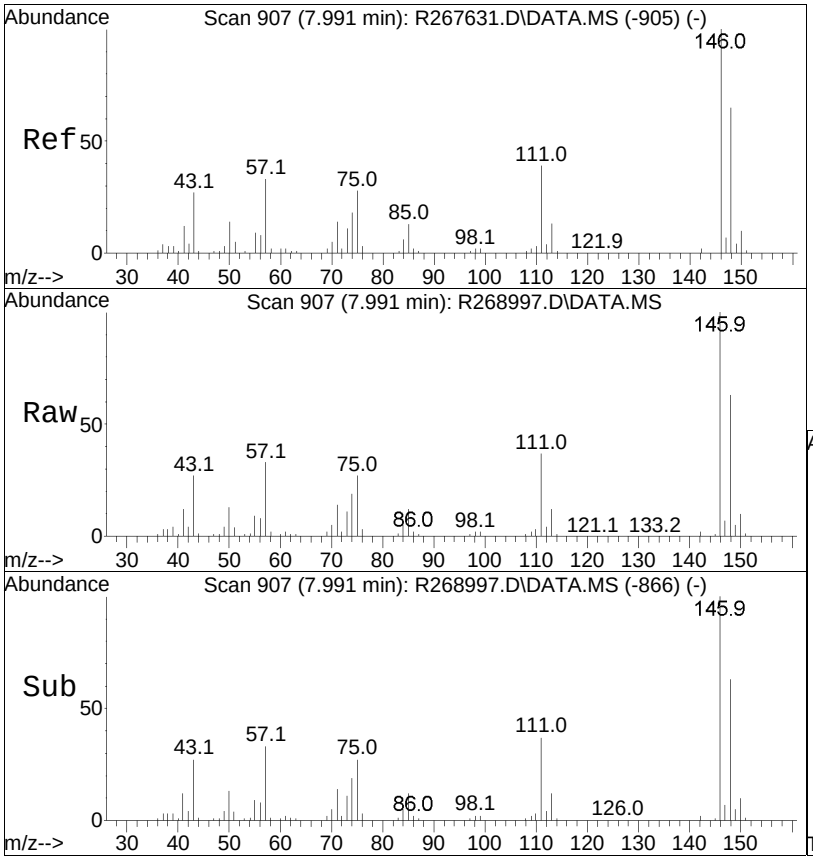


#102
1,3-dichlorobenzene
Concen: 9.85 ppbV
RT: 7.951 min Scan# 902
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:146 Resp: 402128

Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.1	49.7
75	26.9	22.9	34.3

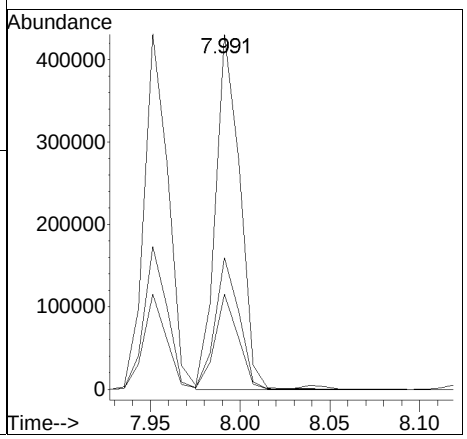


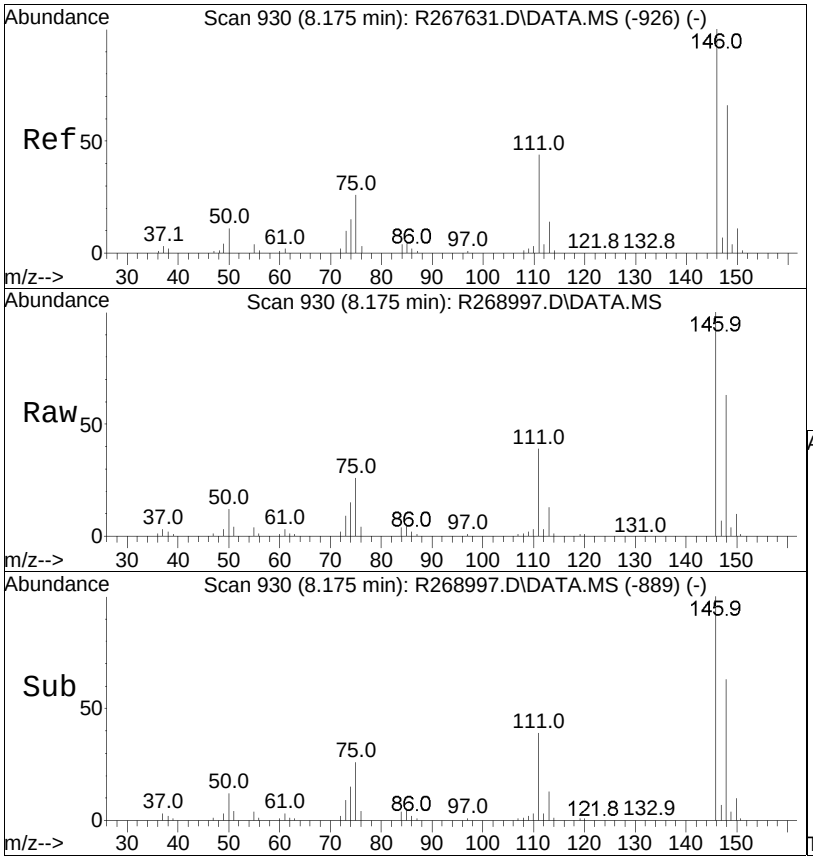


#103
1,4-dichlorobenzene
Concen: 9.83 ppbV
RT: 7.991 min Scan# 907
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:146 Resp: 406196

Ion	Ratio	Lower	Upper
146	100		
111	37.1	31.0	46.6
75	26.8	22.9	34.3

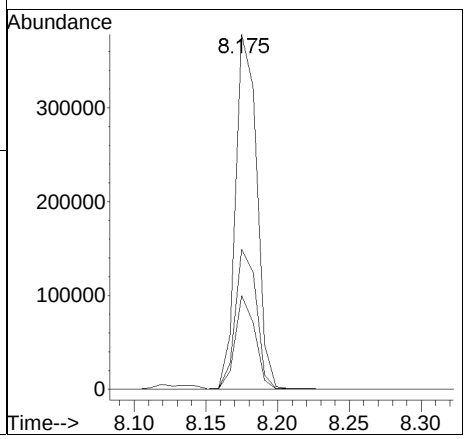


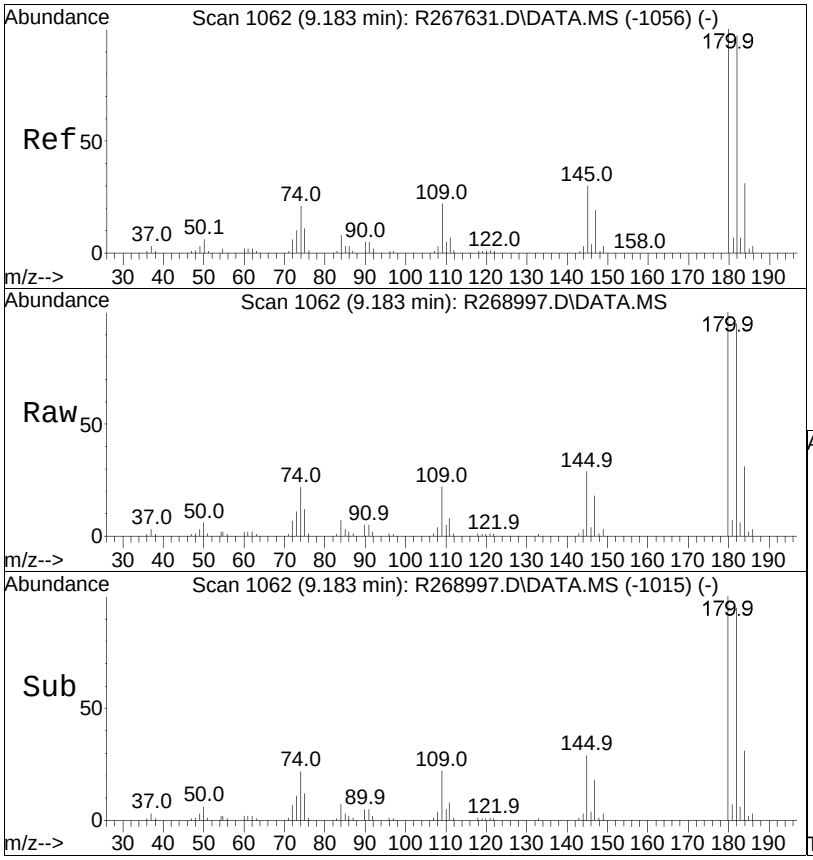


#107
1,2-dichlorobenzene
Concen: 9.85 ppbV
RT: 8.175 min Scan# 930
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:146 Resp: 390672

Ion	Ratio	Lower	Upper
146	100		
111	39.5	35.0	52.4
75	26.4	22.2	33.2

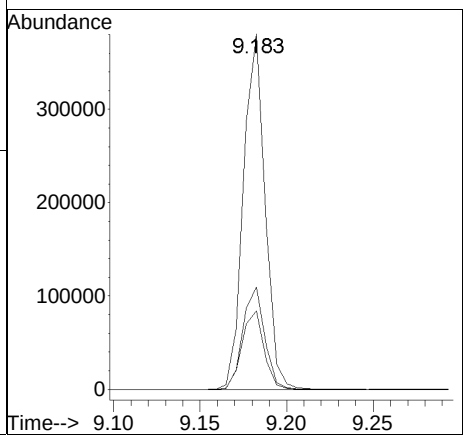


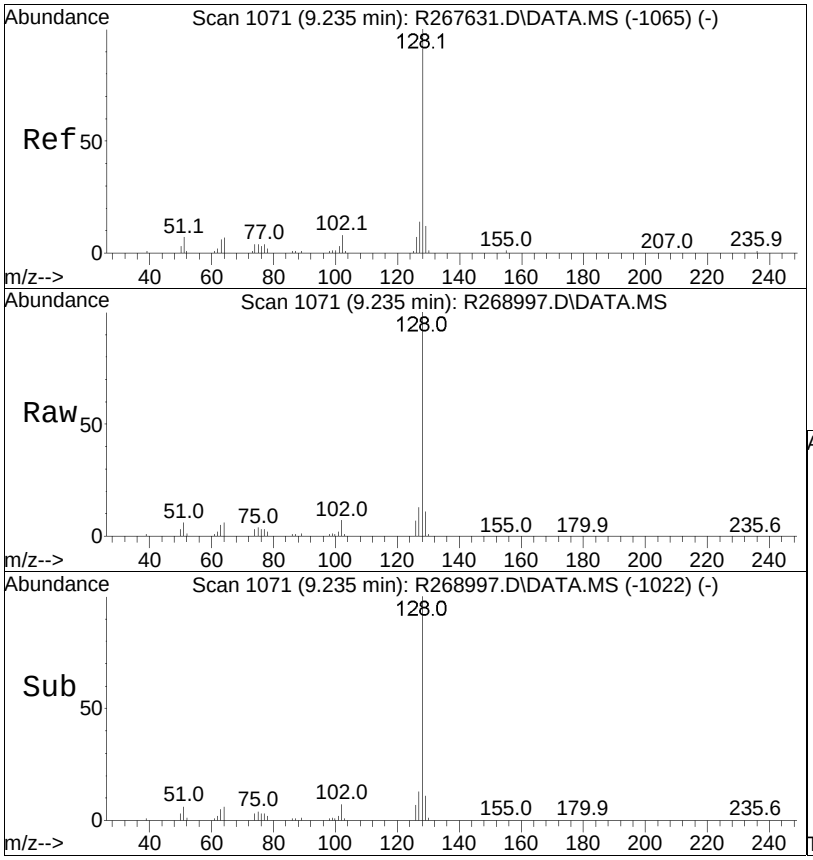


#115
1,2,4-trichlorobenzene
Concen: 8.91 ppbV
RT: 9.183 min Scan# 1062
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:180 Resp: 332473

Ion	Ratio	Lower	Upper
180	100		
145	28.8	23.8	35.8
109	22.1	17.6	26.4

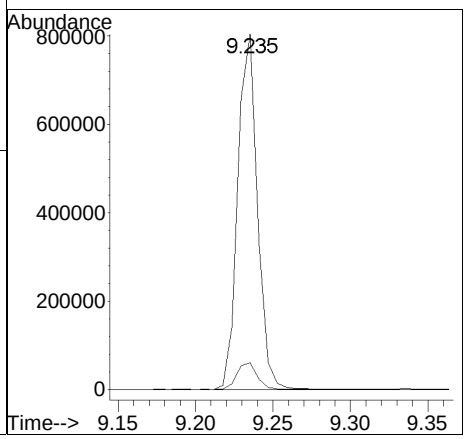


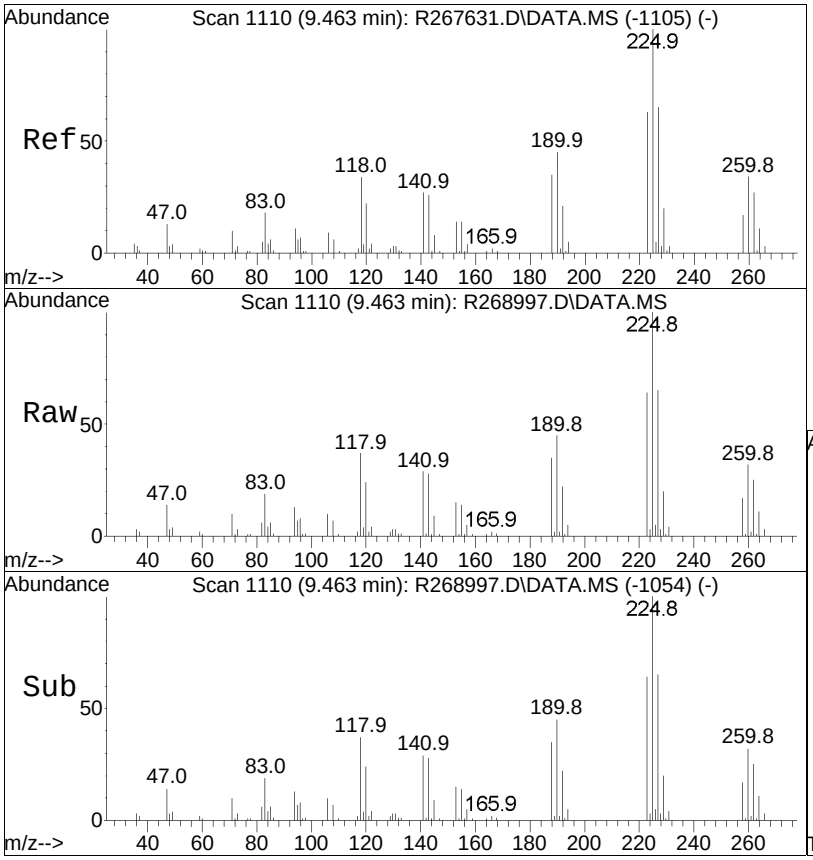


#116
naphthalene
Concen: 7.64 ppbV
RT: 9.235 min Scan# 1071
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:128 Resp: 711742

Ion	Ratio	Lower	Upper
128	100		
102	7.5	6.2	9.2

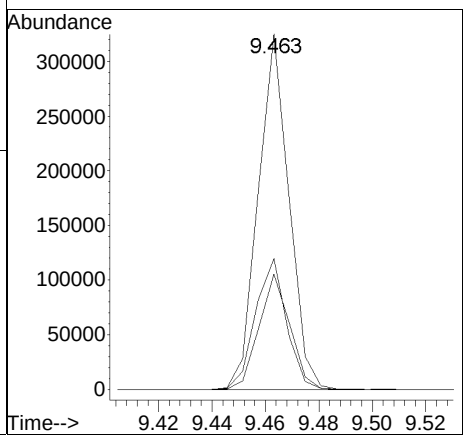




#119
hexachlorobutadiene
Concen: 9.98 ppbV
RT: 9.463 min Scan# 1110
Delta R.T. -0.000 min
Lab File: R268997.D
Acq: 11 Mar 2026 12:00 pm

Tgt Ion:225 Resp: 260247

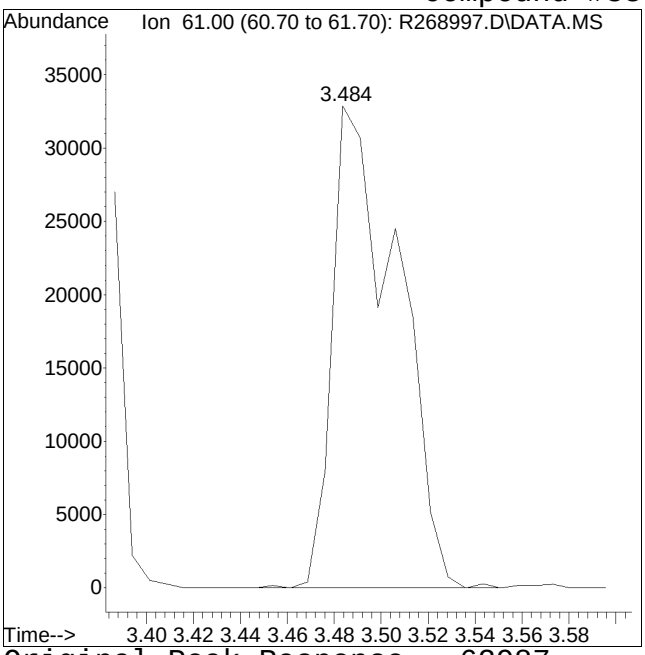
Ion	Ratio	Lower	Upper
225	100		
260	32.5	27.0	40.4
118	36.8	27.2	40.8



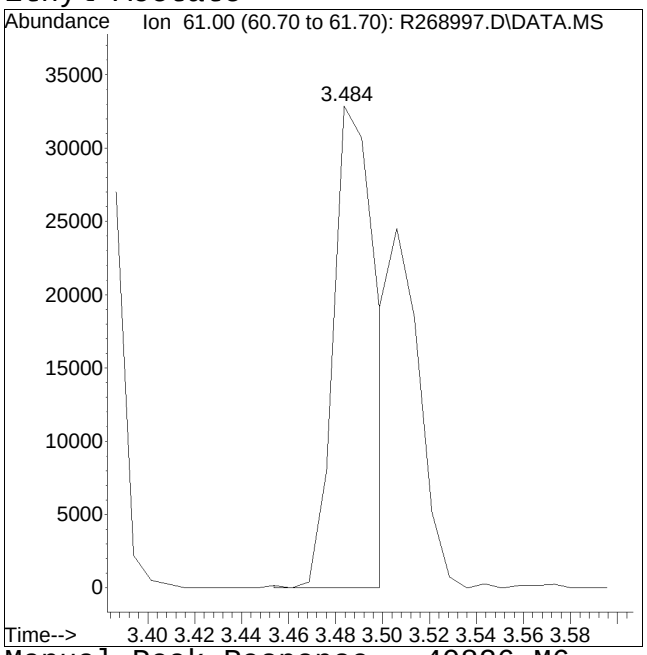
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R268997.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:00 pm Instrument : Airlab26
Sample : WG2184098-3,3,250,250 Quant Date : 3/11/2026 12:45 pm

Compound #38: Ethyl Acetate



Original Peak Response = 62987



Manual Peak Response = 40826 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269011.D
Acq On : 12 Mar 2026 01:21 am
Operator : AIRLAB26:TPH
Sample : WG2184098-5,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 07:03:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.439	49	156931	10.000	ppbV	0.00
Standard Area = 155717			Recovery = 100.78%			
43) 1,4-difluorobenzene	4.331	114	512337	10.000	ppbV	0.00
Standard Area = 520424			Recovery = 98.45%			
67) chlorobenzene-D5	6.442	54	69661	10.000	ppbV	0.00
Standard Area = 71975			Recovery = 96.78%			
System Monitoring Compounds						
Target Compounds						Qvalue
5) dichlorodifluoromethane	1.959	85	14902	0.482	ppbV	96
6) chloromethane	2.008	50	5380	0.477	ppbV	99
7) Freon-114	2.035		0	N.D.		
10) 1,3-butadiene	0.000		0	N.D.	d	
13) bromomethane	2.173		0	N.D.		
14) chloroethane	0.000		0	N.D.		
15) ethanol	2.266	31	463609	78.945	ppbV	98
17) vinyl bromide	0.000		0	N.D.		
19) acetone	2.413	43	73166M6	5.314	ppbV	
21) trichlorofluoromethane	2.464	101	11018	0.386	ppbV	99
22) isopropyl alcohol	2.481	45	347293	20.295	ppbV	100
27) tertiary butyl alcohol	0.000		0	N.D.	d	
28) methylene chloride	2.675	49	2312	0.200	ppbV #	76
29) 3-chloropropene	0.000		0	N.D.	d	
30) carbon disulfide	2.766		0	N.D.		
31) Freon 113	2.766	101	2067	0.081	ppbV #	93
32) trans-1,2-dichloroethene	2.991		0	N.D.		
33) 1,1-dichloroethane	3.049		0	N.D.		
34) MTBE	3.084		0	N.D.		
36) 2-butanone	3.217	43	8535M6	0.341	ppbV	
38) Ethyl Acetate	3.499	61	1808	0.357	ppbV #	20
39) chloroform	3.499	83	12779	0.487	ppbV	97
40) Tetrahydrofuran	3.700	42	1780	0.163	ppbV	91
42) 1,2-dichloroethane	3.815	62	497	0.032	ppbV #	34
44) hexane	3.484	57	12895	0.616	ppbV #	7
50) benzene	4.133	78	12741	0.293	ppbV	94
53) cyclohexane	4.265	56	1794	0.090	ppbV #	63
56) 1,2-dichloropropane	0.000		0	N.D.		
57) bromodichloromethane	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269011.D
Acq On : 12 Mar 2026 01:21 am
Operator : AIRLAB26:TPH
Sample : WG2184098-5,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 07:03:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311T\R268997.D
Sub List : TO15-NY+NAPH-7-SIM - .

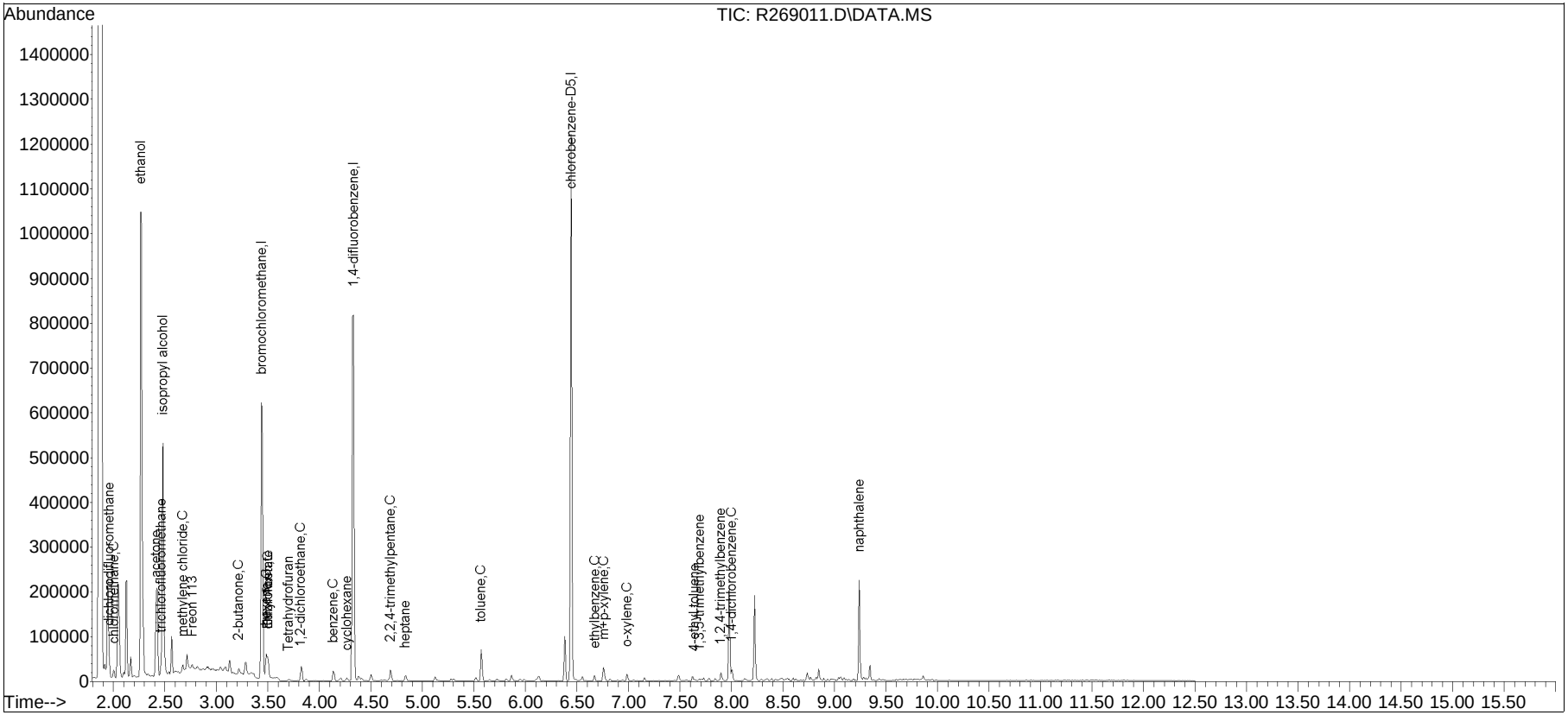
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 1,4-dioxane	0.000		0	N.D.		
60) 2,2,4-trimethylpentane	4.689	57	12618	0.209	ppbV	99
62) heptane	4.830	43	3960	0.195	ppbV #	72
63) cis-1,3-dichloropropene	0.000		0	N.D.		
64) 4-methyl-2-pentanone	0.000		0	N.D. d		
65) trans-1,3-dichloropropene	0.000		0	N.D.		
66) 1,1,2-trichloroethane	0.000		0	N.D.		
68) toluene	5.569	91	30819	0.624	ppbV	99
72) 2-hexanone	0.000		0	N.D. d		
74) dibromochloromethane	0.000		0	N.D.		
75) 1,2-dibromoethane	0.000		0	N.D.		
80) chlorobenzene	6.491		0	N.D.		
81) ethylbenzene	6.671	91	5728	0.092	ppbV	93
83) m+p-xylene	6.759	91	14203	0.298	ppbV #	84
84) bromoform	0.000		0	N.D.		
85) styrene	6.937		0	N.D.		
86) 1,1,2,2-tetrachloroethane	7.025		0	N.D.		
87) o-xylene	6.984	91	4906	0.102	ppbV #	74
96) 4-ethyl toluene	7.640	105	1966M6	0.031	ppbV	
97) 1,3,5-trimethylbenzene	7.688	105	1949	0.036	ppbV #	84
99) 1,2,4-trimethylbenzene	7.896	105	7062	0.129	ppbV #	62
101) Benzyl Chloride	7.896		0	N.D.		
102) 1,3-dichlorobenzene	0.000		0	N.D. d		
103) 1,4-dichlorobenzene	7.999	146	2719	0.068	ppbV	96
107) 1,2-dichlorobenzene	0.000		0	N.D.		
115) 1,2,4-trichlorobenzene	0.000		0	N.D.		
116) naphthalene	9.239	128	103835	1.152	ppbV	98
119) hexachlorobutadiene	0.000		0	N.D.		

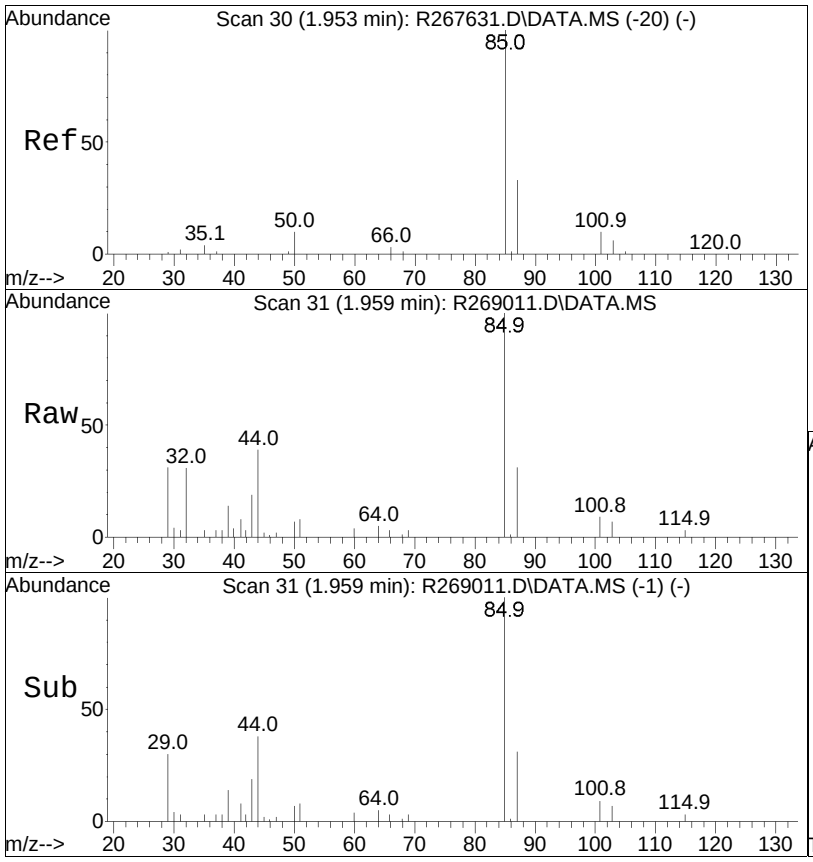
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : TO15-NY+NAPH-7-SIM - .6\2026\03\0311T\R268997.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311T\
Data File : R269011.D
Acq On : 12 Mar 2026 01:21 am
Operator : AIRLAB26:TPH
Sample : WG2184098-5,3,250,250
Misc : WG2184098,ICAL22939
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 07:03:31 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311T\TFS26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 15:58:39 2026
Response via : Initial Calibration

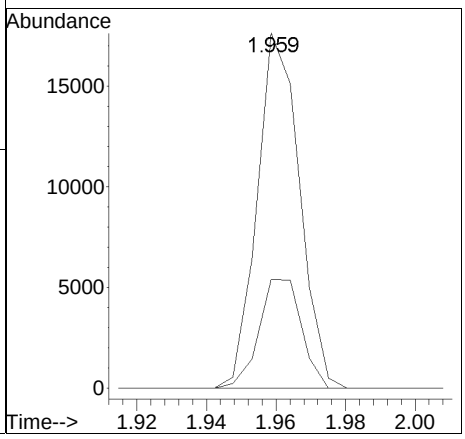


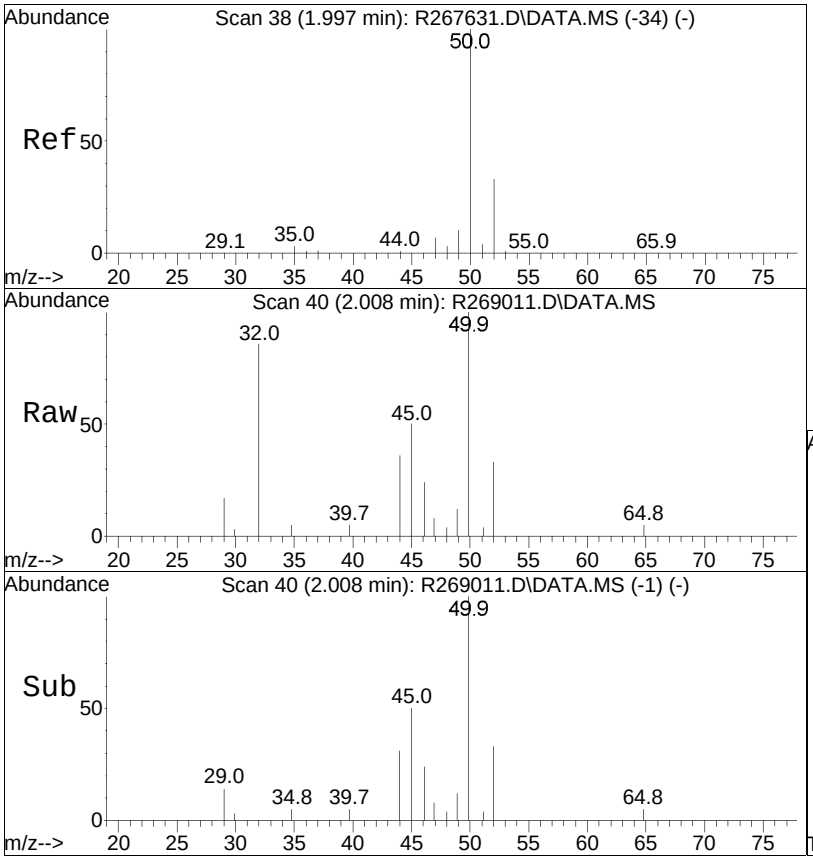


#5
dichlorodifluoromethane
Concen: 0.48 ppbV
RT: 1.959 min Scan# 31
Delta R.T. 0.006 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 85 Resp: 14902

Ion	Ratio	Lower	Upper
85	100		
87	30.7	26.2	39.2

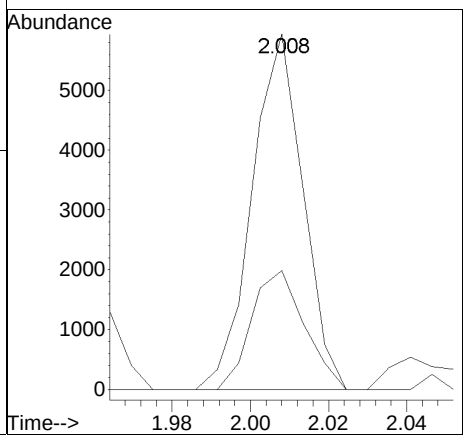


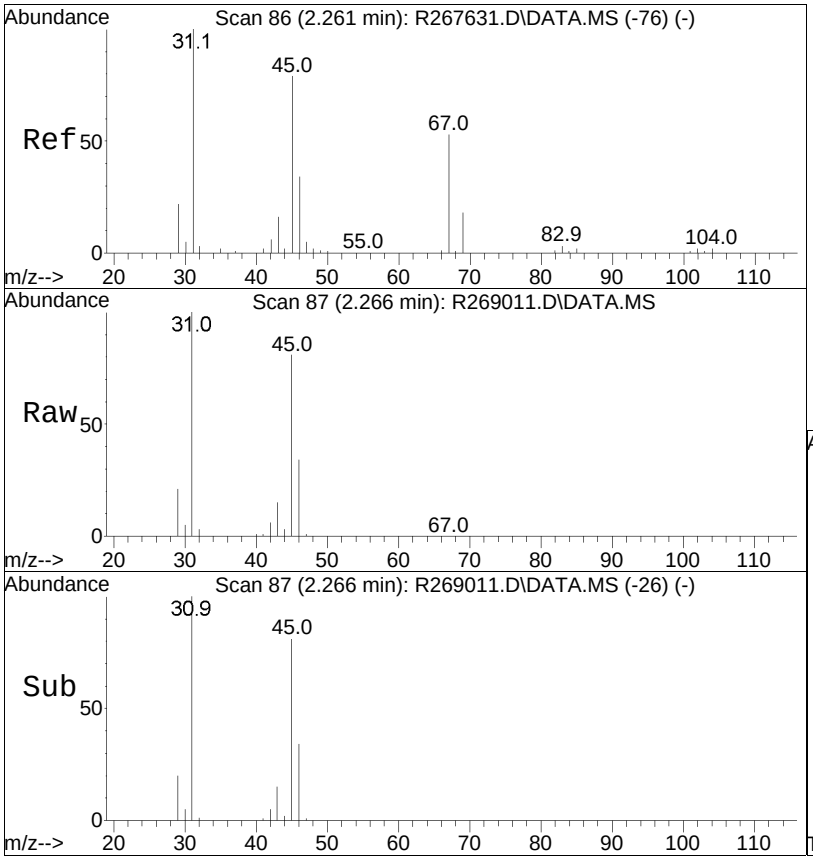


#6
chloromethane
Concen: 0.48 ppbV
RT: 2.008 min Scan# 40
Delta R.T. 0.011 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 50 Resp: 5380

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.2	39.4

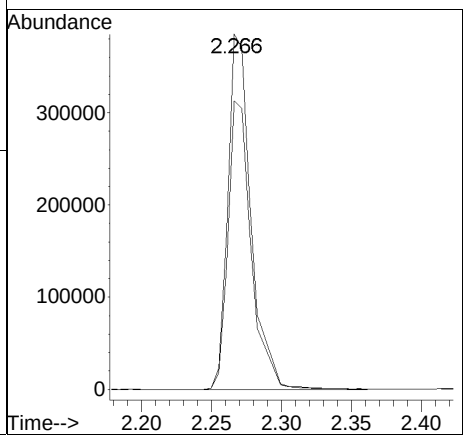


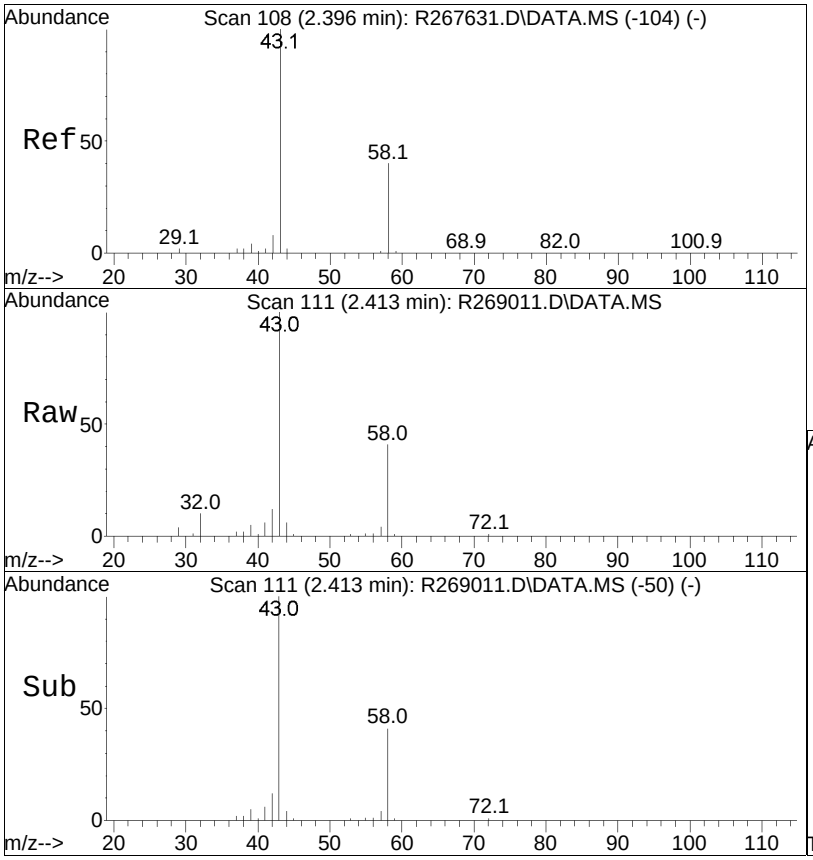


#15
ethanol
Concen: 78.95 ppbV
RT: 2.266 min Scan# 87
Delta R.T. 0.006 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 31 Resp: 463609

Ion	Ratio	Lower	Upper
31	100		
45	81.1	63.4	95.0

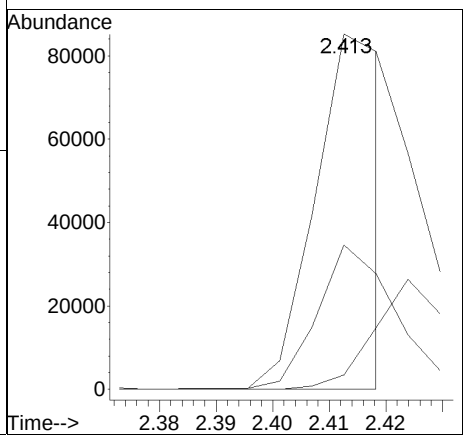


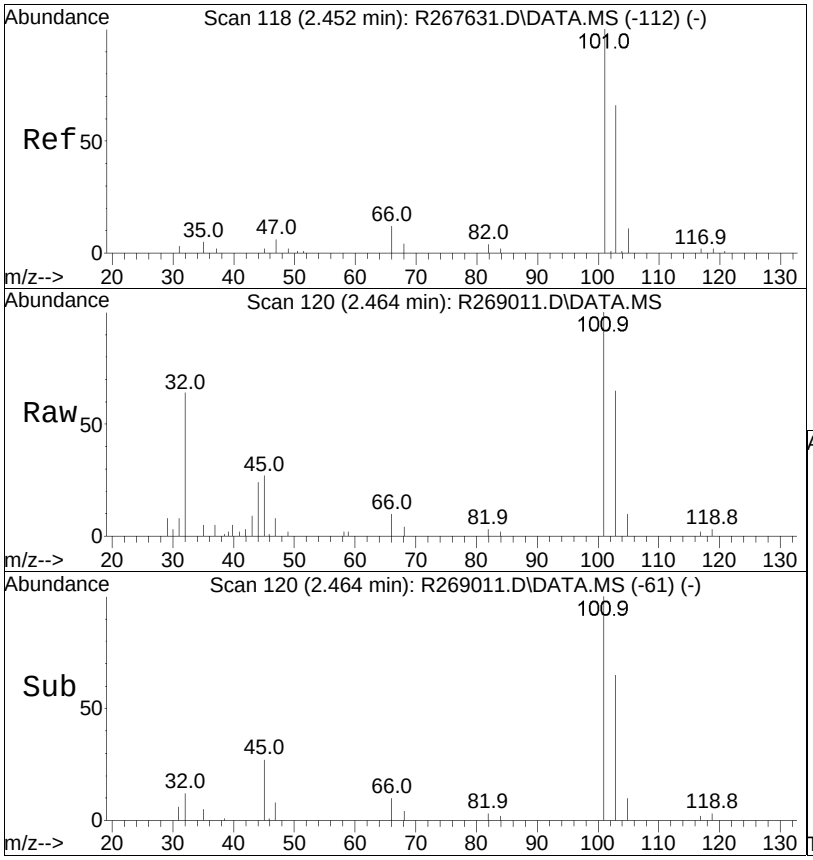


#19
acetone
Concen: 5.31 ppbV m
RT: 2.413 min Scan# 111
Delta R.T. 0.017 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 43 Resp: 73166

Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.2	48.2
57	4.1	1.0	1.4#

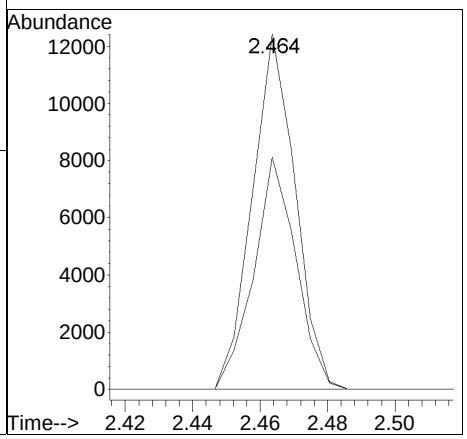


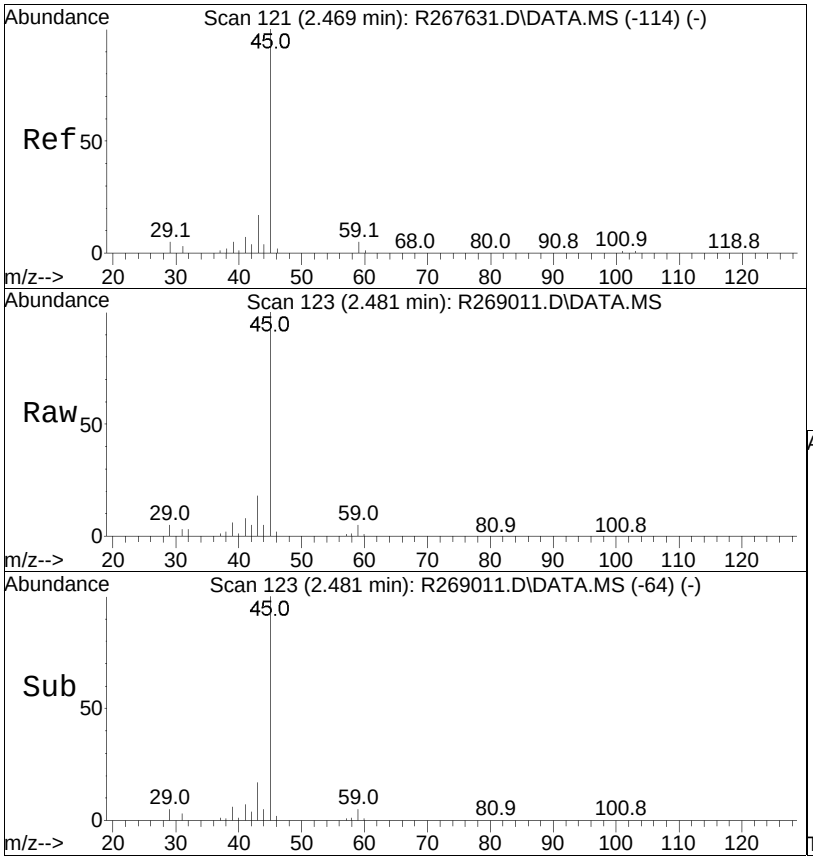


#21
trichlorofluoromethane
Concen: 0.39 ppbV
RT: 2.464 min Scan# 120
Delta R.T. 0.011 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:101 Resp: 11018

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.6	78.8

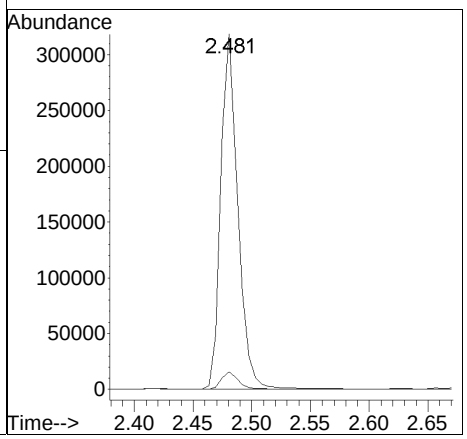


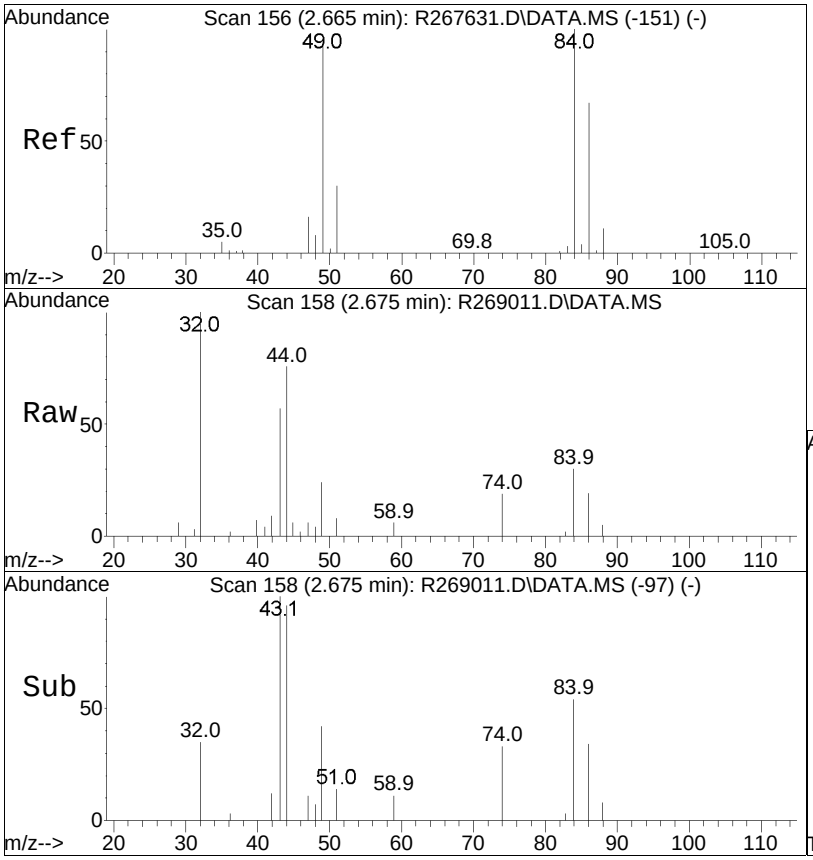


#22
isopropyl alcohol
Concen: 20.30 ppbV
RT: 2.481 min Scan# 123
Delta R.T. 0.011 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 45 Resp: 347293

Ion	Ratio	Lower	Upper
45	100		
59	4.9	4.0	6.0

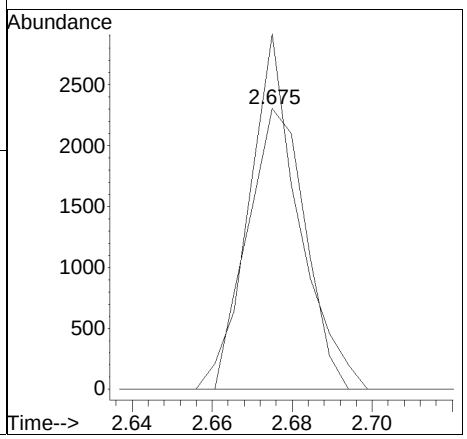


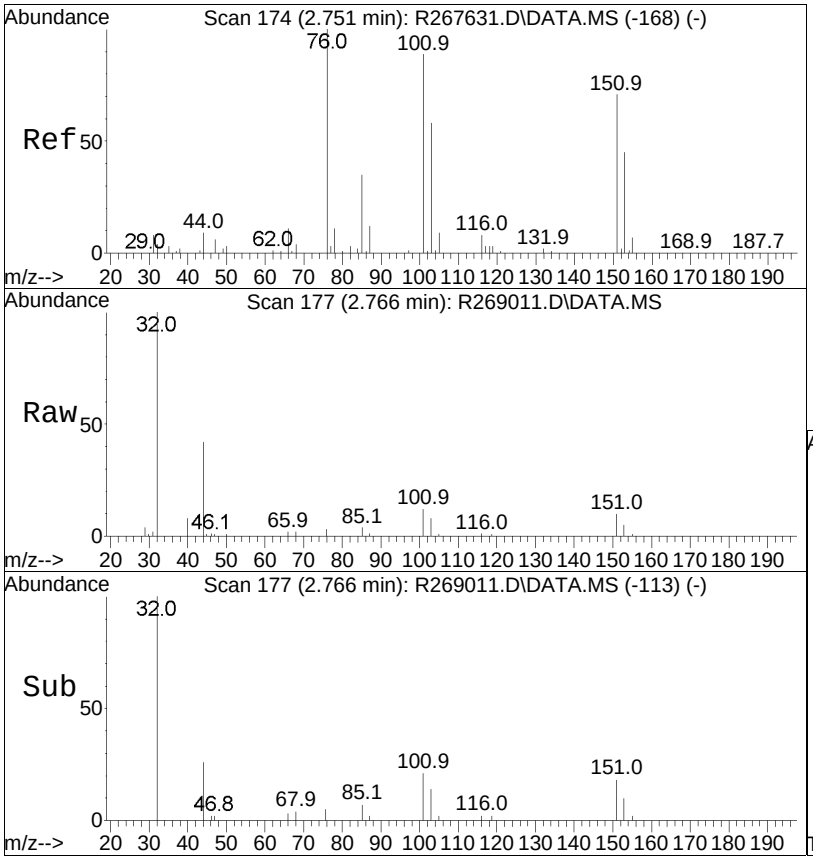


#28
methylene chloride
Concen: 0.20 ppbV
RT: 2.675 min Scan# 158
Delta R.T. 0.010 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 49 Resp: 2312

Ion	Ratio	Lower	Upper
49	100		
84	126.6	82.0	123.0#

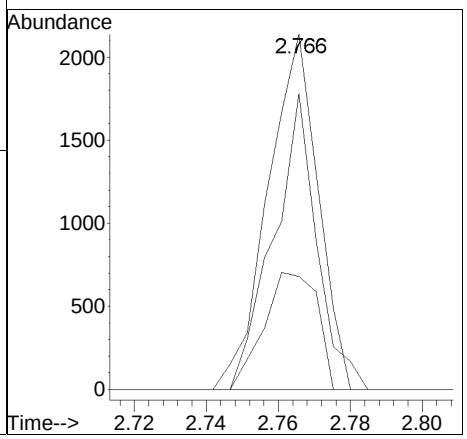


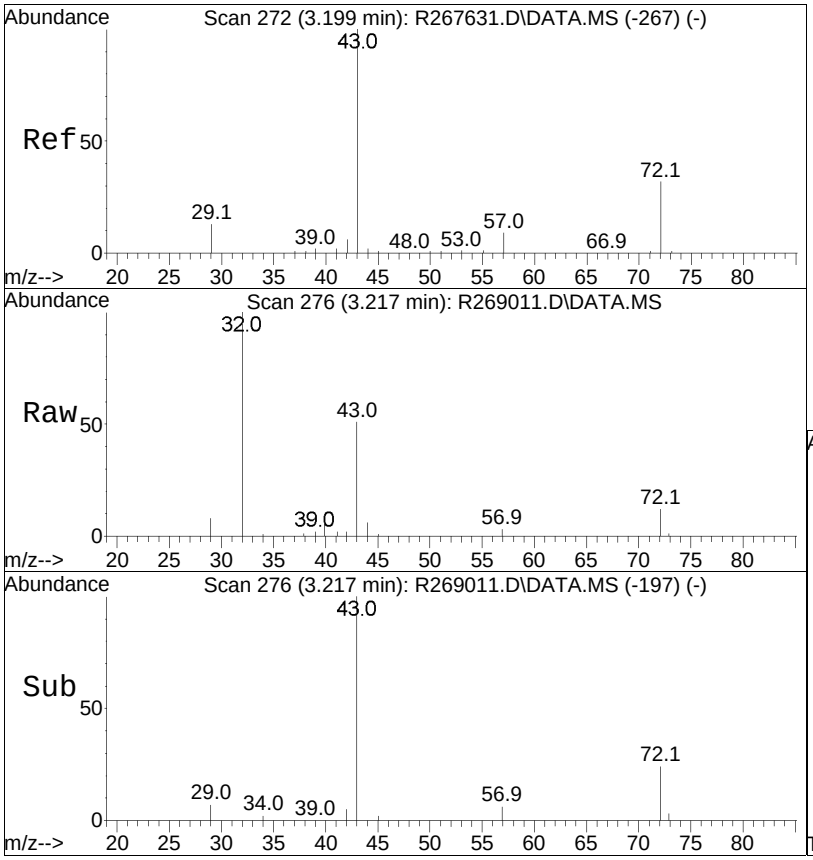


#31
Freon 113
Concen: 0.08 ppbV
RT: 2.766 min Scan# 177
Delta R.T. 0.014 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:101 Resp: 2067

Ion	Ratio	Lower	Upper
101	100		
85	31.8	32.0	48.0#
151	83.3	64.0	96.0

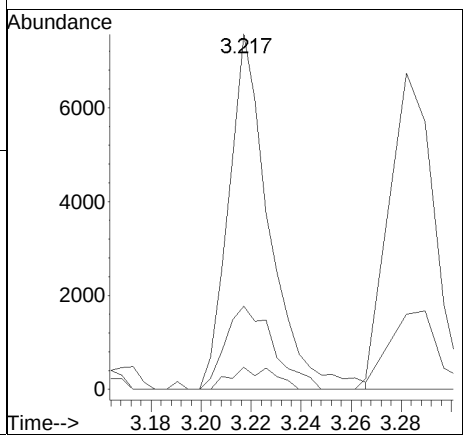


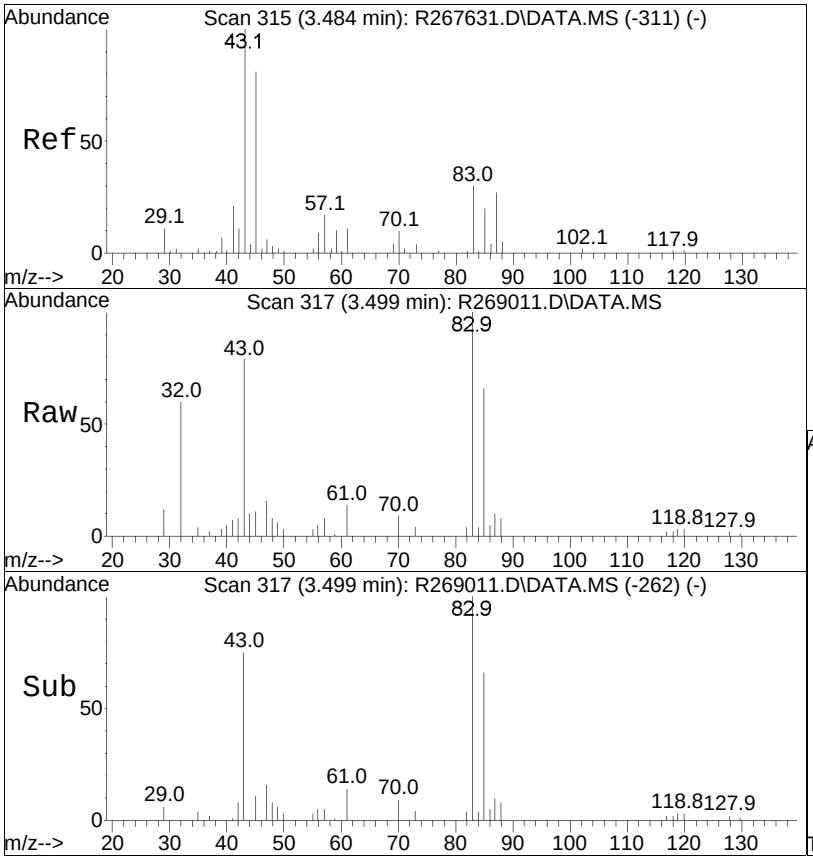


#36
2-butanone
Concen: 0.34 ppbV m
RT: 3.217 min Scan# 276
Delta R.T. 0.018 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 43 Resp: 8535

Ion	Ratio	Lower	Upper
43	100		
72	23.4	25.1	37.7#
57	6.2	7.4	11.2#

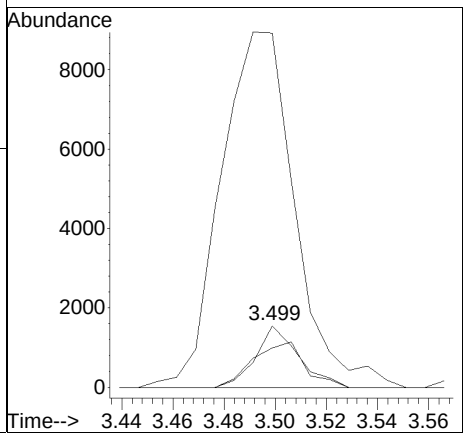


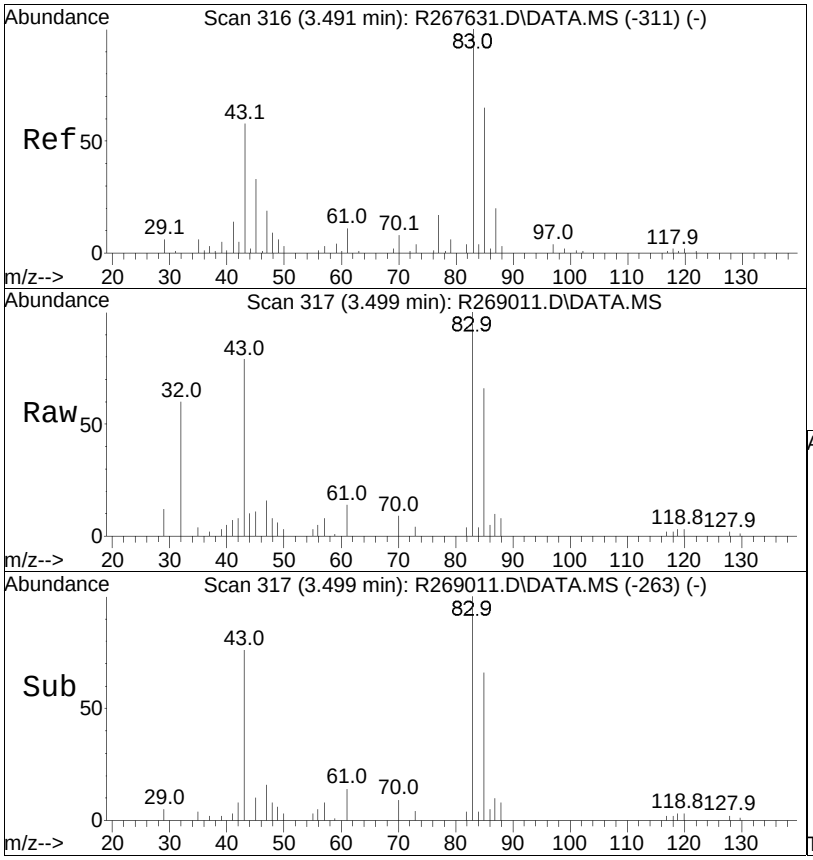


#38
Ethyl Acetate
Concen: 0.36 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.015 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 61 Resp: 1808

Ion	Ratio	Lower	Upper
61	100		
70	64.2	73.9	110.9#
43	576.5	752.6	1128.8#

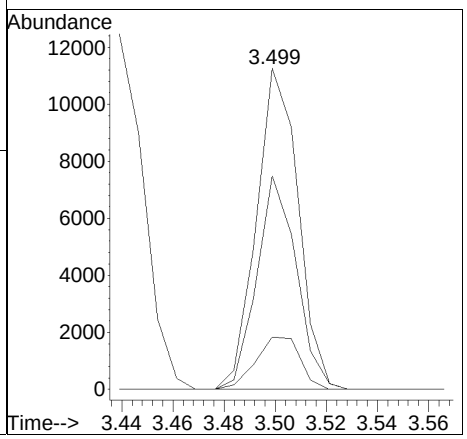


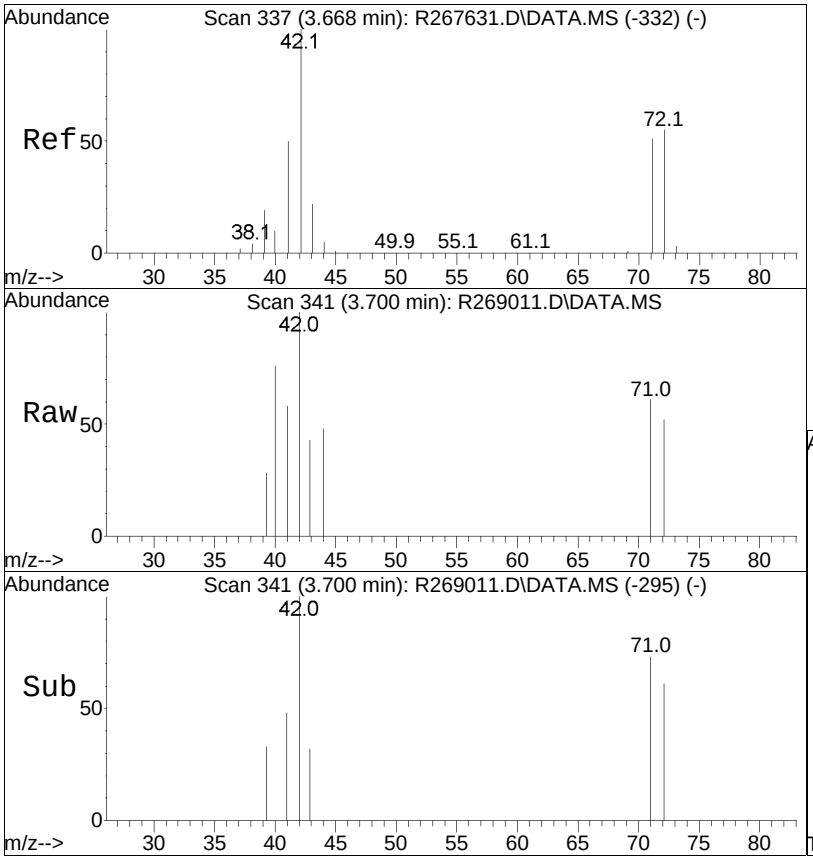


#39
chloroform
Concen: 0.49 ppbV
RT: 3.499 min Scan# 317
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 83 Resp: 12779

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.9	77.9
47	16.3	15.4	23.2

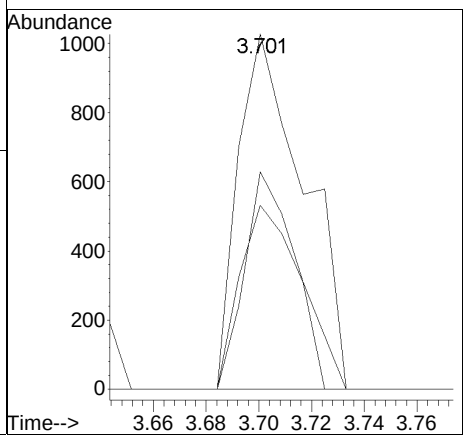


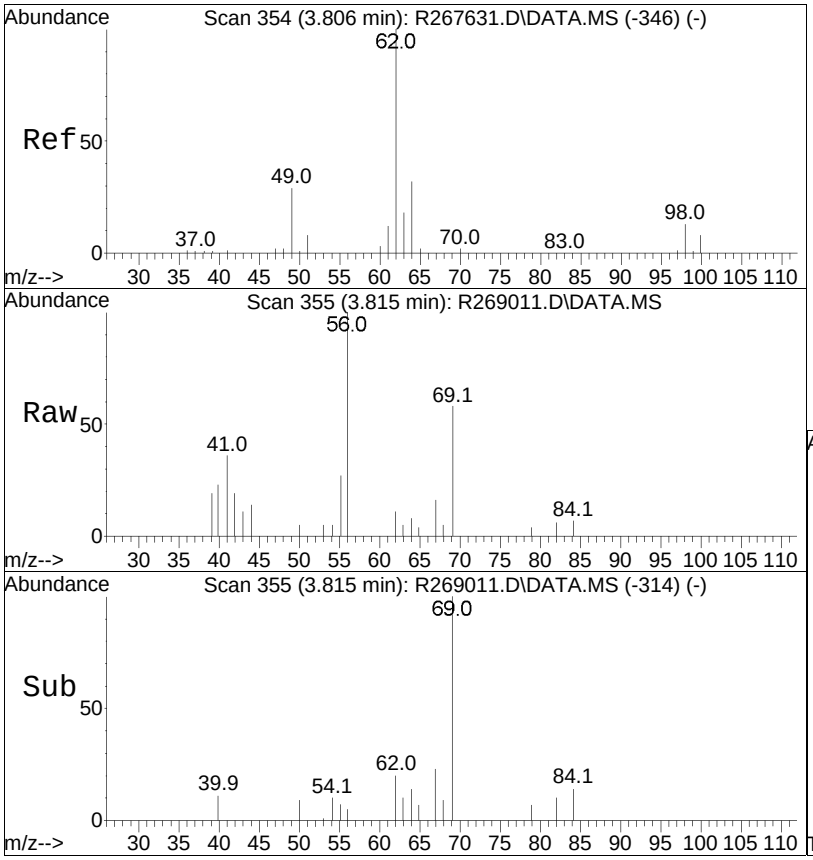


#40
Tetrahydrofuran
Concen: 0.16 ppbV
RT: 3.700 min Scan# 341
Delta R.T. 0.033 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 42 Resp: 1780

Ion	Ratio	Lower	Upper
42	100		
71	61.2	41.0	61.6
72	51.8	44.2	66.2

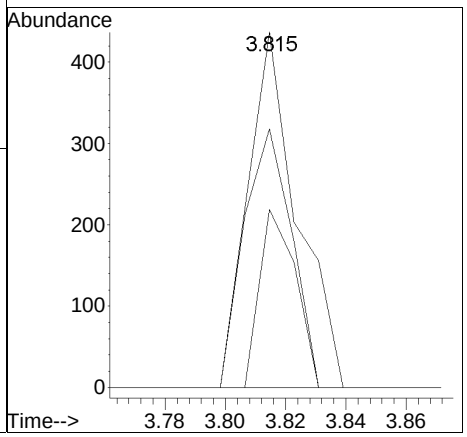


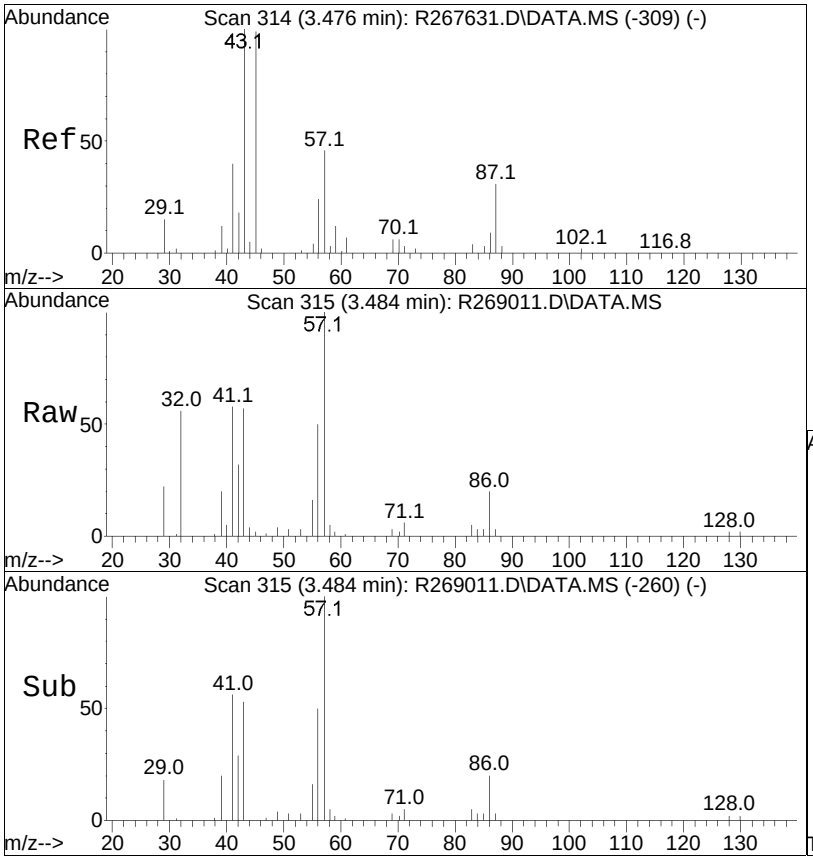


#42
1,2-dichloroethane
Concen: 0.03 ppbV
RT: 3.815 min Scan# 355
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 62 Resp: 497

Ion	Ratio	Lower	Upper
62	100		
64	72.8	25.7	38.5#
49	0.0	23.7	35.5#
63	50.1	14.5	21.7#

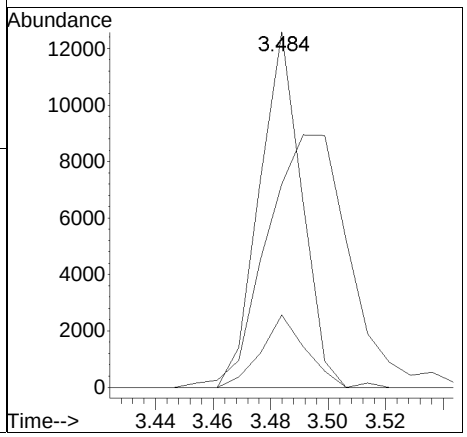


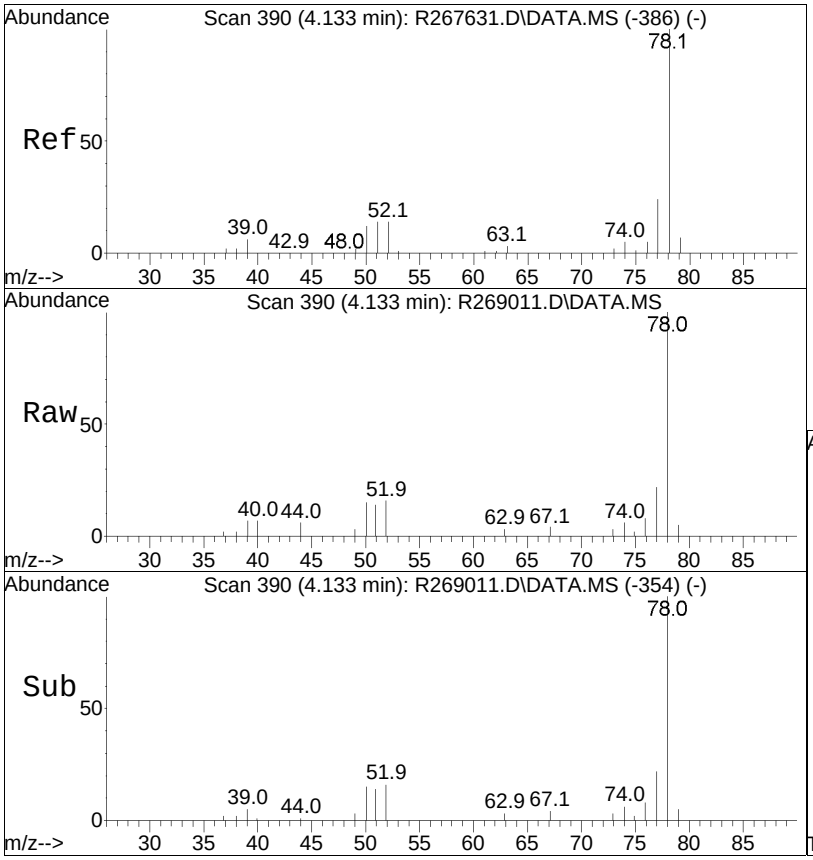


#44
hexane
Concen: 0.62 ppbV
RT: 3.484 min Scan# 315
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 57 Resp: 12895

Ion	Ratio	Lower	Upper
57	100		
43	57.2	175.4	263.0#
86	20.4	16.1	24.1

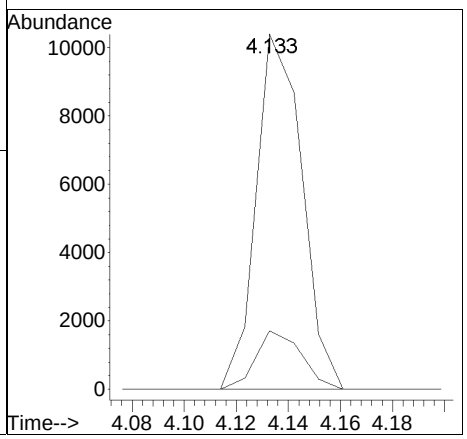


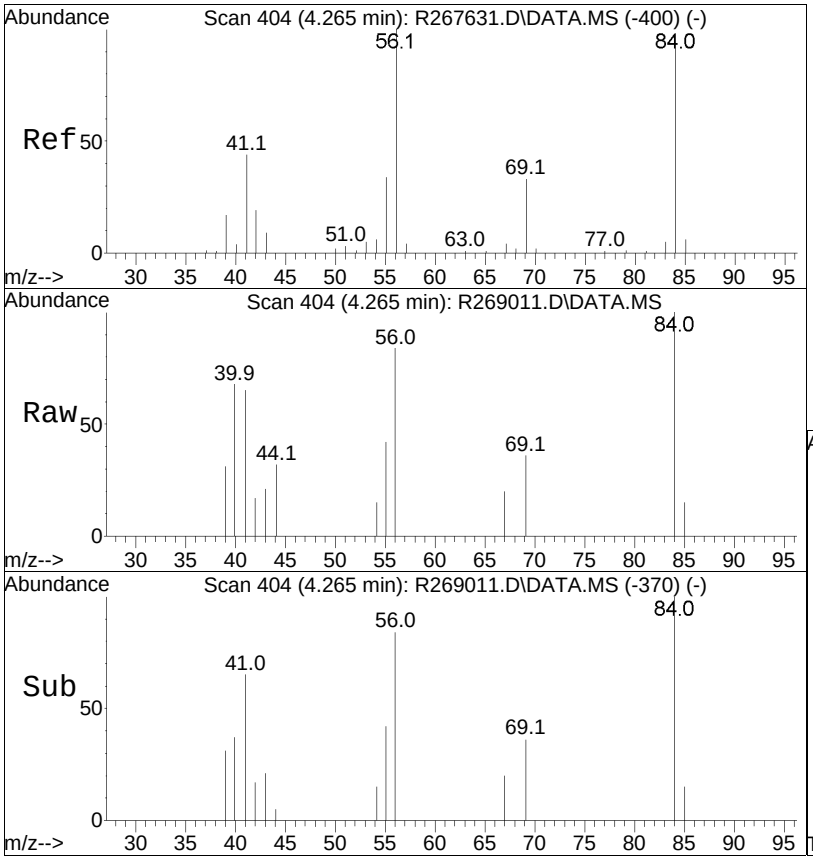


#50
benzene
Concen: 0.29 ppbV
RT: 4.133 min Scan# 390
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 78 Resp: 12741

Ion	Ratio	Lower	Upper
78	100		
52	16.5	11.3	16.9

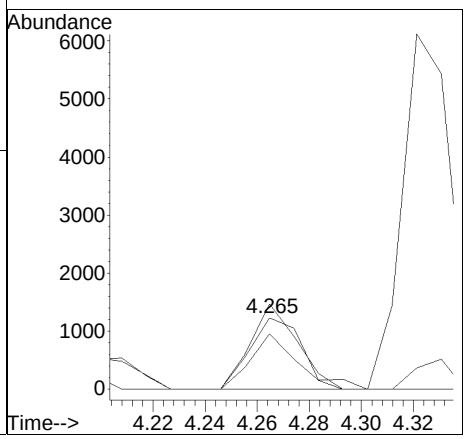


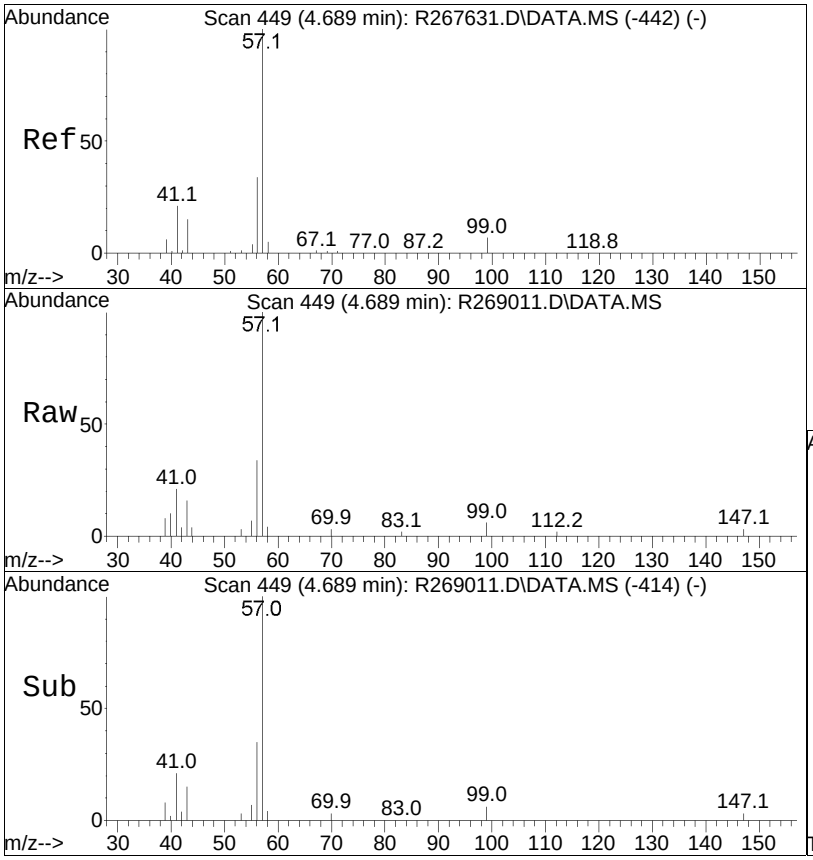


#53
cyclohexane
Concen: 0.09 ppbV
RT: 4.265 min Scan# 404
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 56 Resp: 1794

Ion	Ratio	Lower	Upper
56	100		
84	119.6	73.7	110.5#
41	77.7	35.0	52.4#

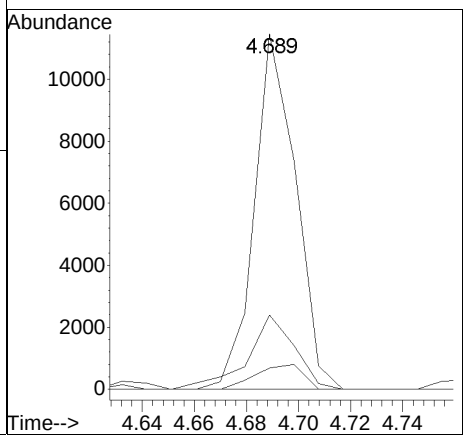


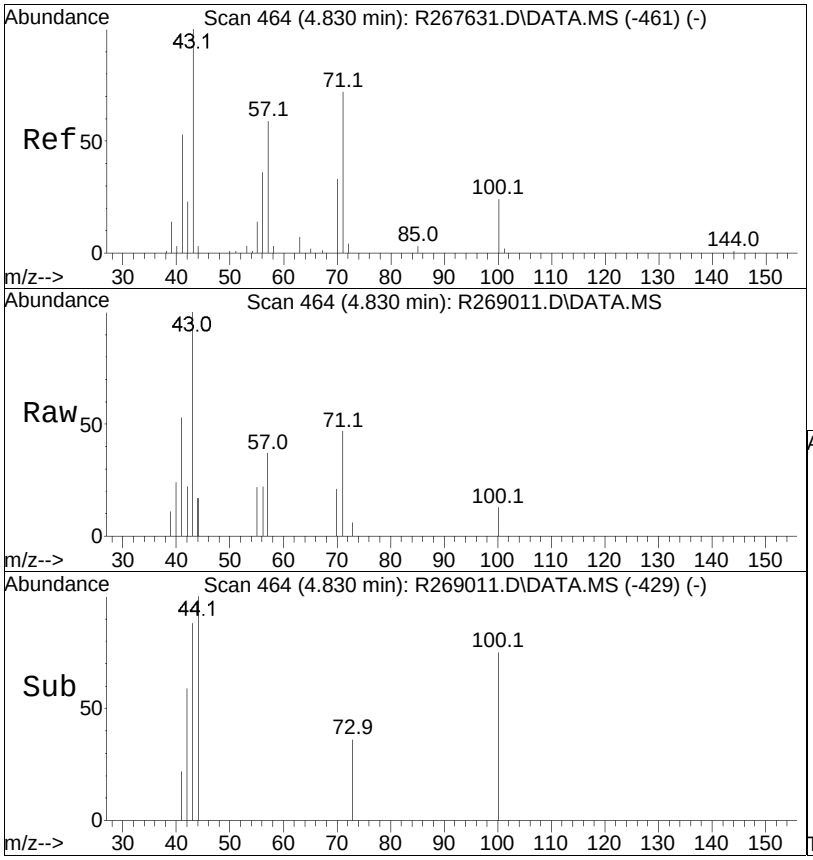


#60
2,2,4-trimethylpentane
Concen: 0.21 ppbV
RT: 4.689 min Scan# 449
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 57 Resp: 12618

Ion	Ratio	Lower	Upper
57	100		
99	6.0	5.4	8.2
41	21.0	16.7	25.1

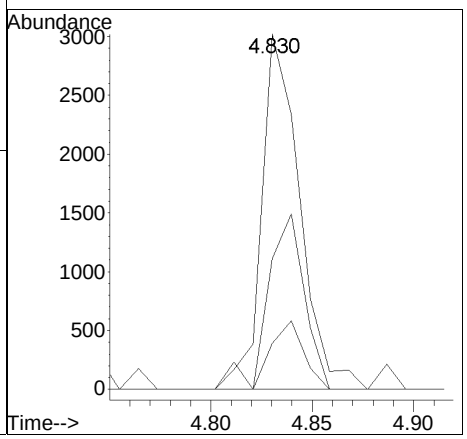


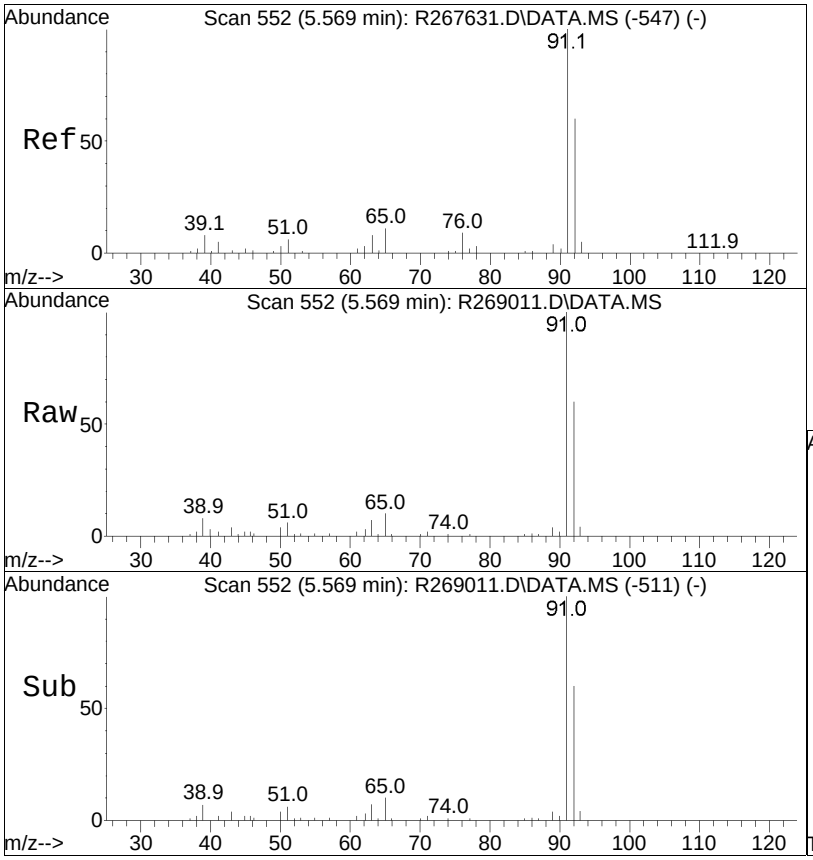


#62
heptane
Concen: 0.20 ppbV
RT: 4.830 min Scan# 464
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 43 Resp: 3960

Ion	Ratio	Lower	Upper
43	100		
57	36.7	47.2	70.8#
100	12.9	19.8	29.8#

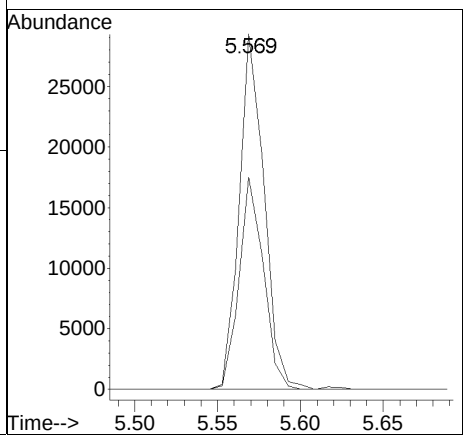


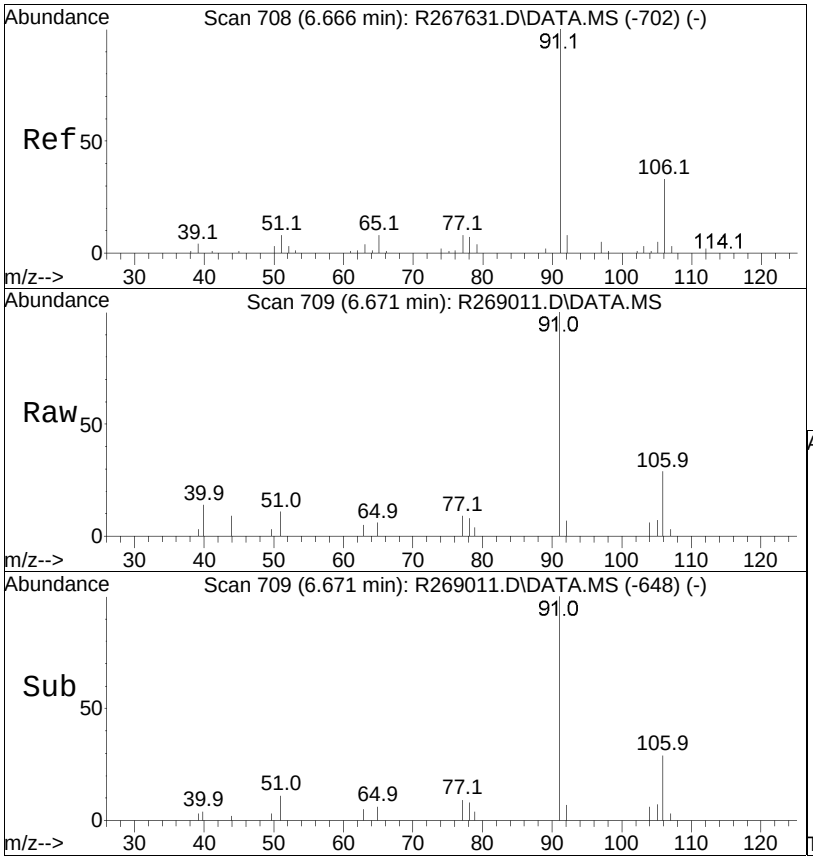


#68
toluene
Concen: 0.62 ppbV
RT: 5.569 min Scan# 552
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 91 Resp: 30819

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.3	72.5

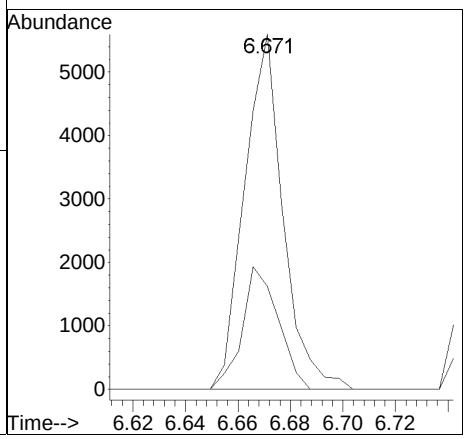


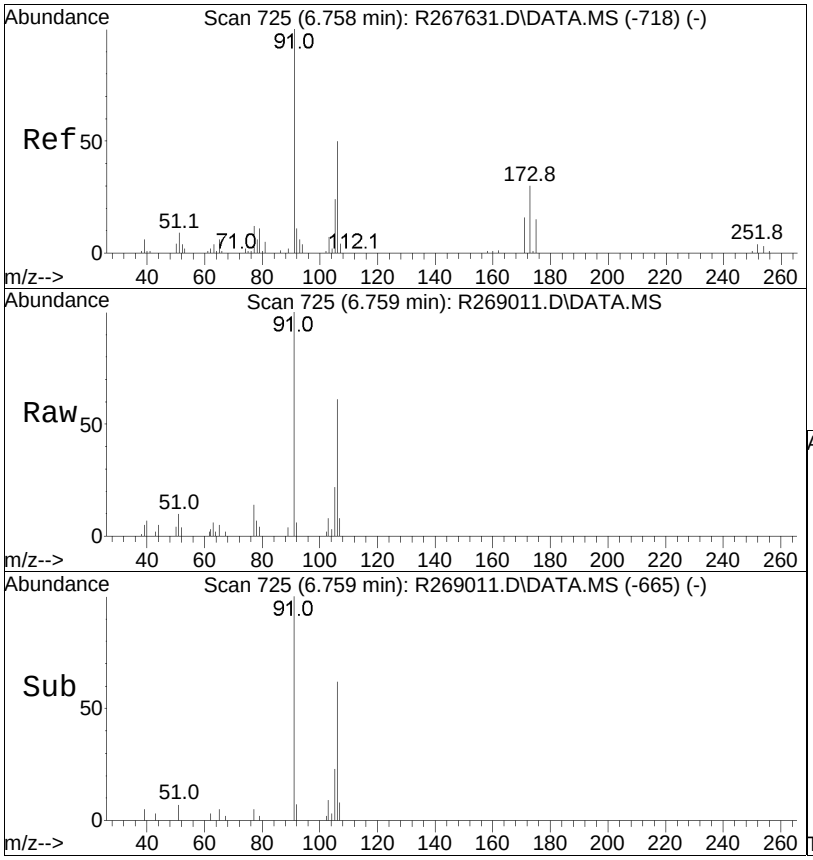


#81
ethylbenzene
Concen: 0.09 ppbV
RT: 6.671 min Scan# 709
Delta R.T. 0.006 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 91 Resp: 5728

Ion	Ratio	Lower	Upper
91	100		
106	29.0	26.3	39.5

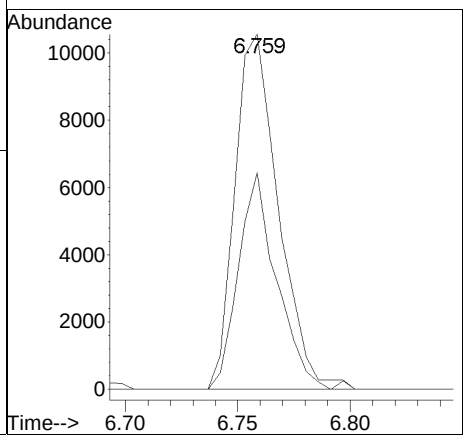


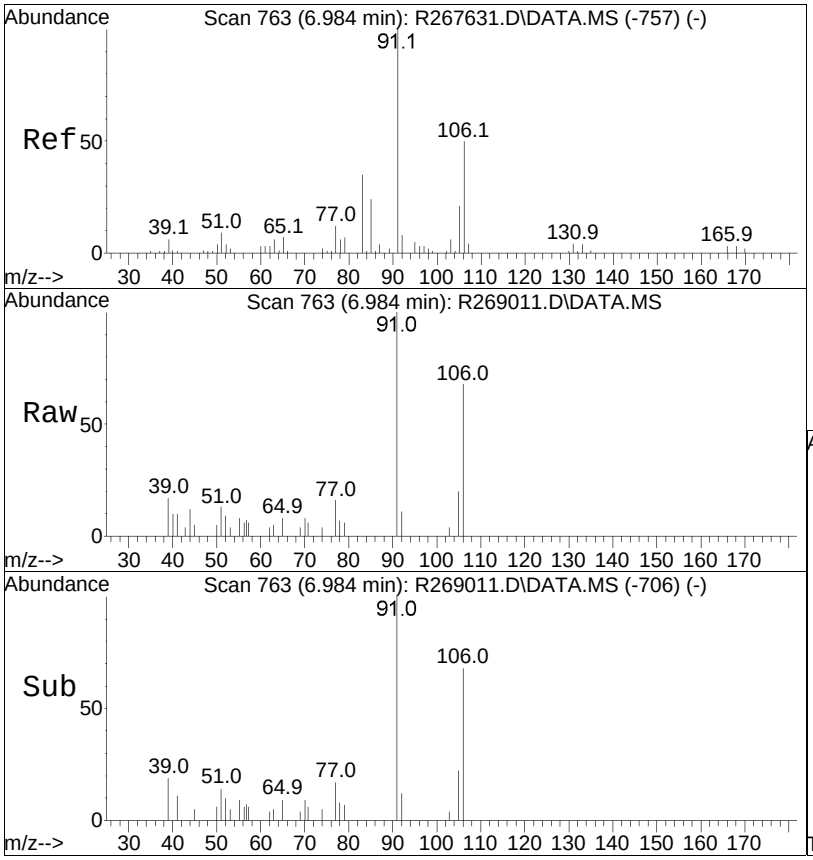


#83
m+p-xylene
Concen: 0.30 ppbV
RT: 6.759 min Scan# 725
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 91 Resp: 14203

Ion	Ratio	Lower	Upper
91	100		
106	61.1	40.1	60.1#

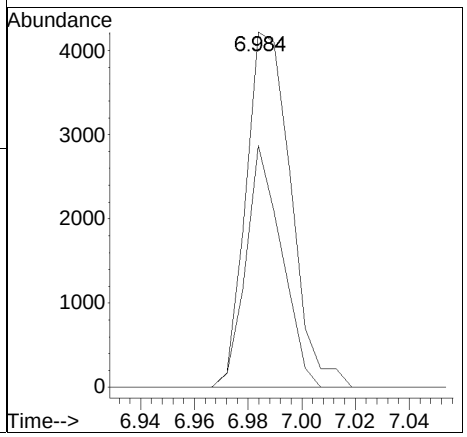


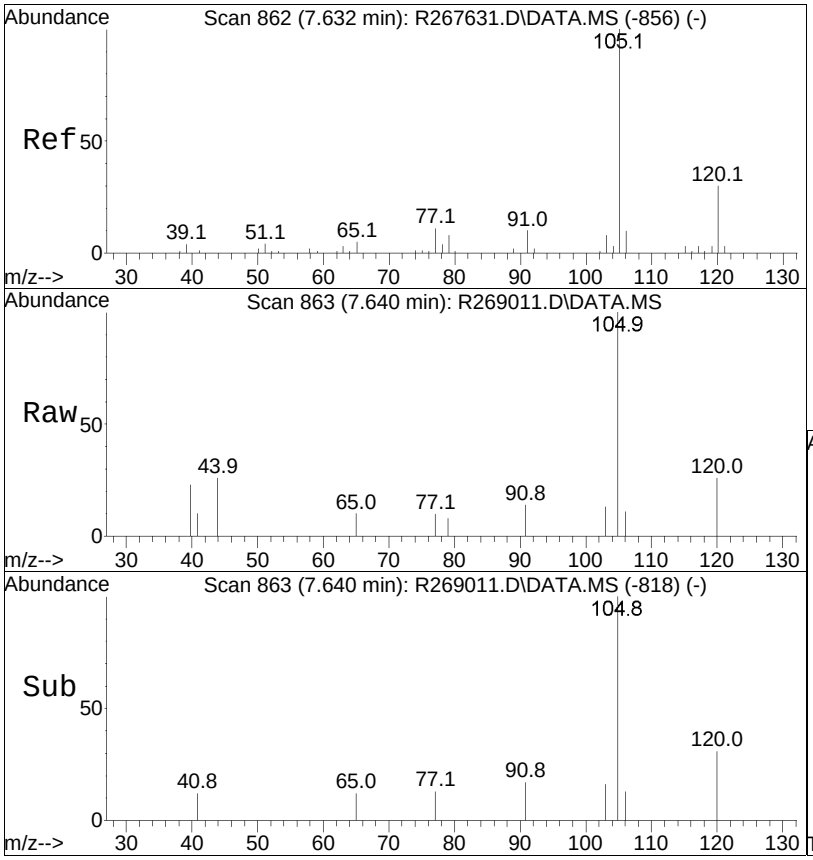


#87
o-xylene
Concen: 0.10 ppbV
RT: 6.984 min Scan# 763
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion: 91 Resp: 4906

Ion	Ratio	Lower	Upper
91	100		
106	68.1	40.2	60.2#

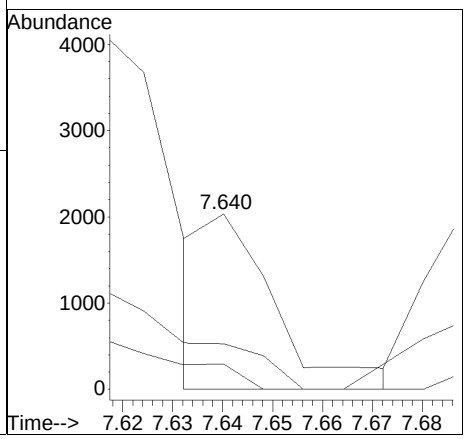


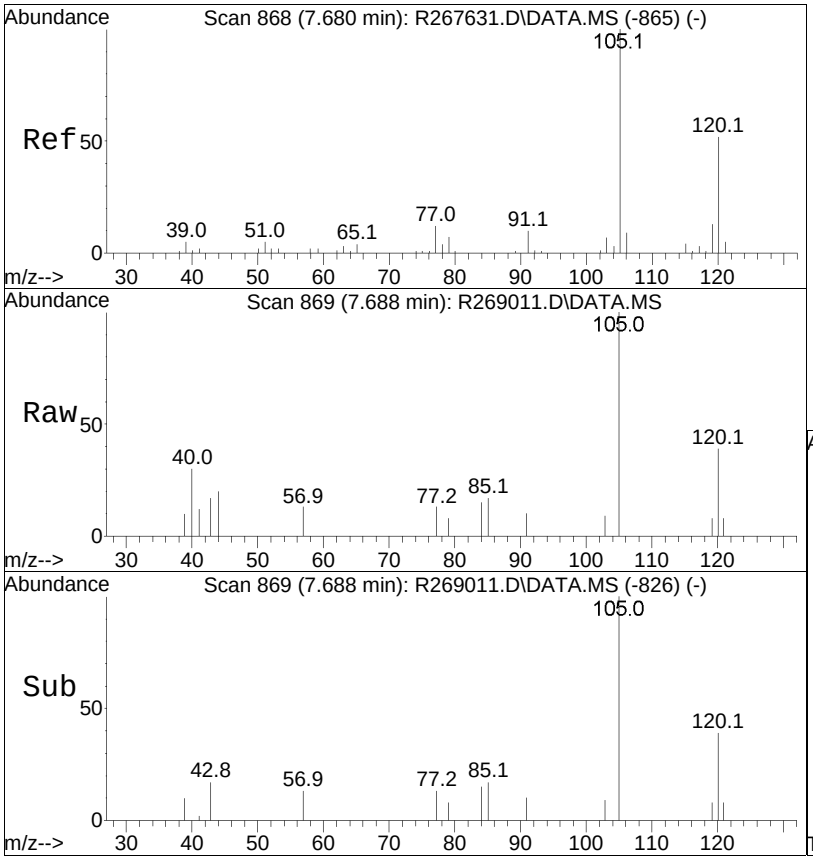


#96
4-ethyl toluene
Concen: 0.03 ppbV m
RT: 7.640 min Scan# 863
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:105 Resp: 1966

Ion	Ratio	Lower	Upper
105	100		
120	26.0	24.3	36.5
91	14.5	8.3	12.5#

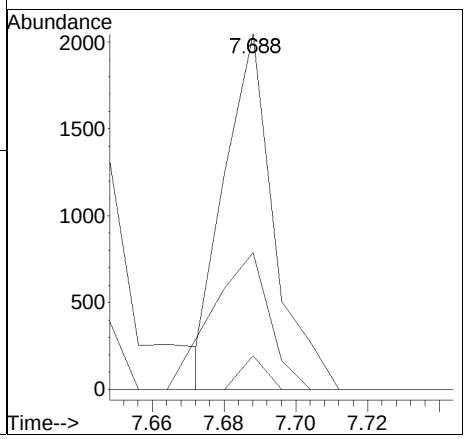


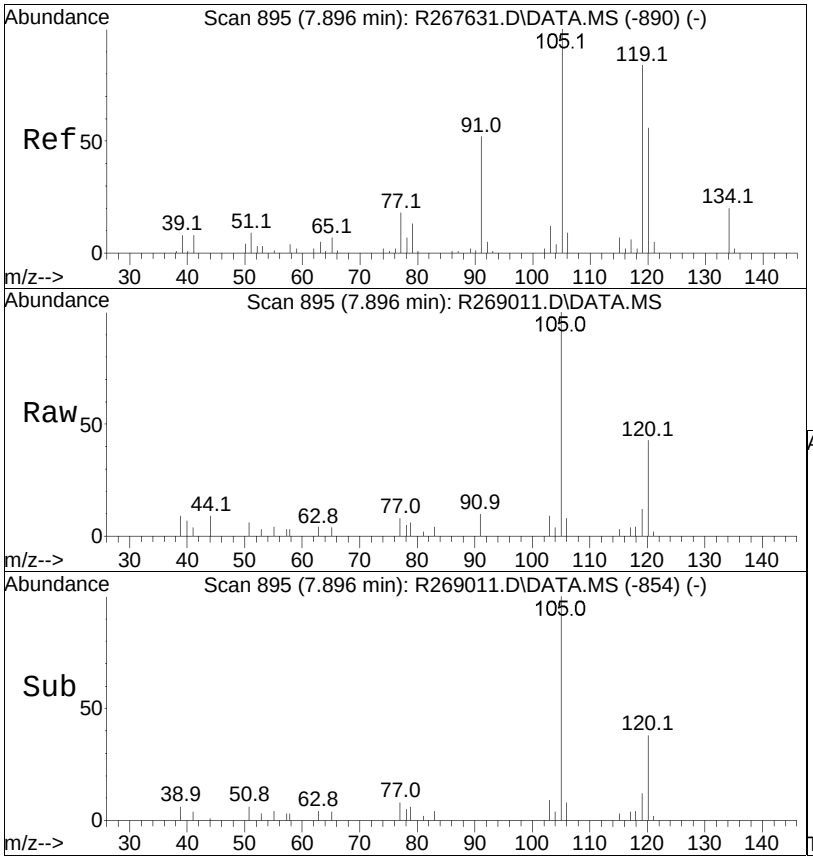


#97
1,3,5-trimethylbenzene
Concen: 0.04 ppbV
RT: 7.688 min Scan# 869
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:105 Resp: 1949

Ion	Ratio	Lower	Upper
105	100		
120	38.5	41.4	62.0#
91	9.5	7.7	11.5

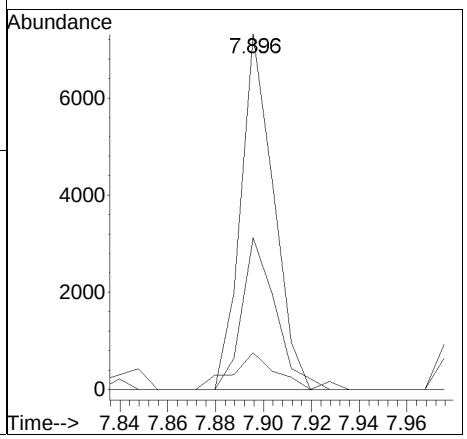


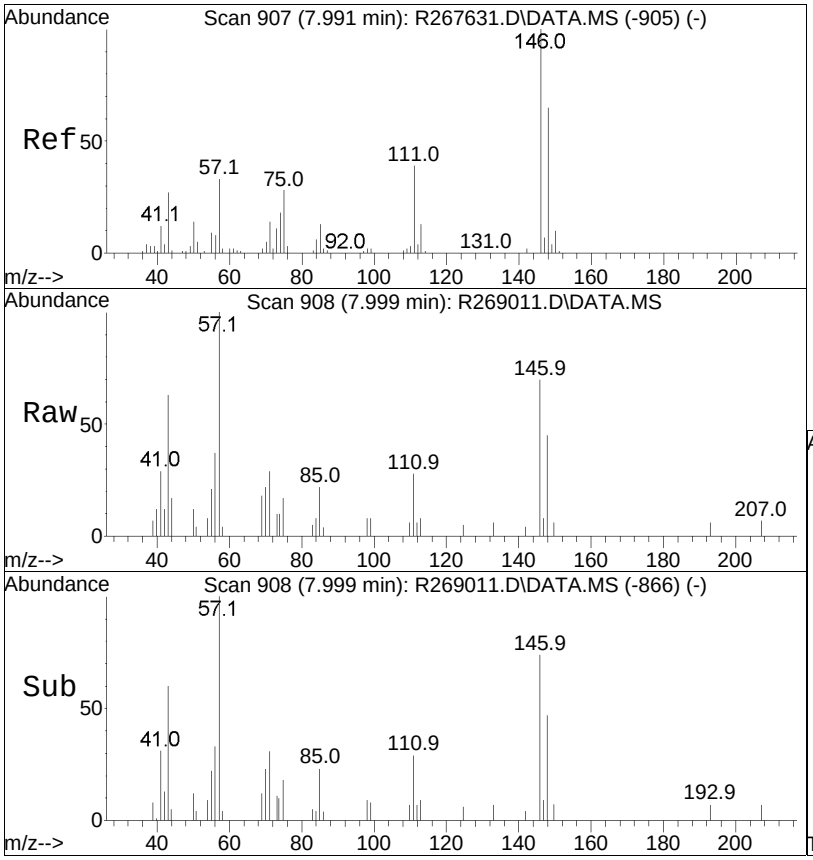


#99
1,2,4-trimethylbenzene
Concen: 0.13 ppbV
RT: 7.896 min Scan# 895
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:105 Resp: 7062

Ion	Ratio	Lower	Upper
105	100		
120	42.7	44.4	66.6#
91	10.4	41.9	62.9#

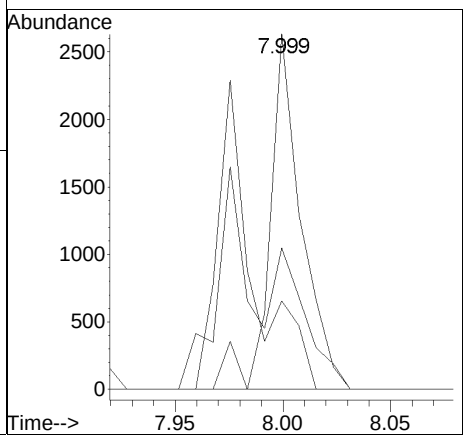


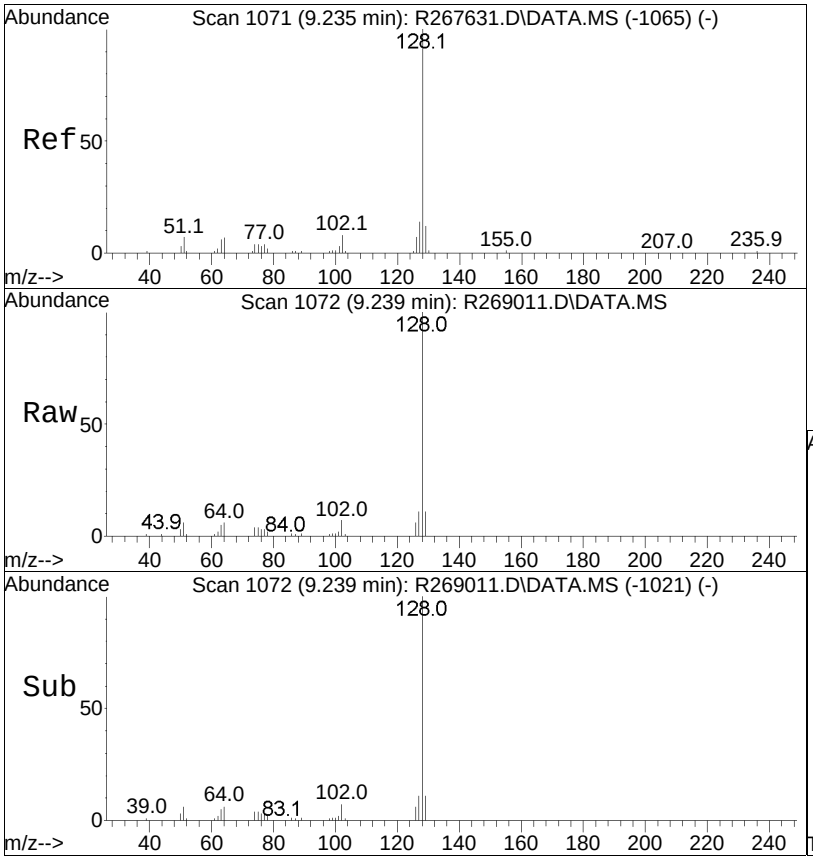


#103
1,4-dichlorobenzene
Concen: 0.07 ppbV
RT: 7.999 min Scan# 908
Delta R.T. 0.008 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:146 Resp: 2719

Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.0	46.6
75	24.9	22.9	34.3

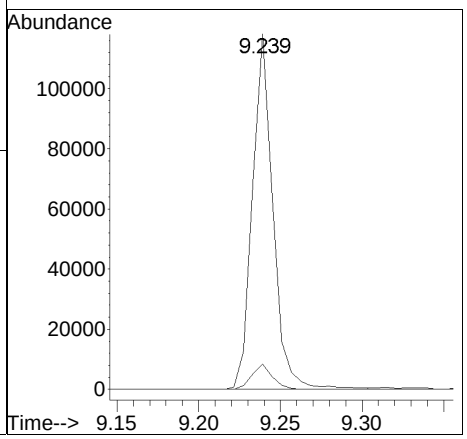




#116
naphthalene
Concen: 1.15 ppbV
RT: 9.239 min Scan# 1072
Delta R.T. 0.004 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:128 Resp: 103835

Ion	Ratio	Lower	Upper
128	100		
102	7.2	6.2	9.2

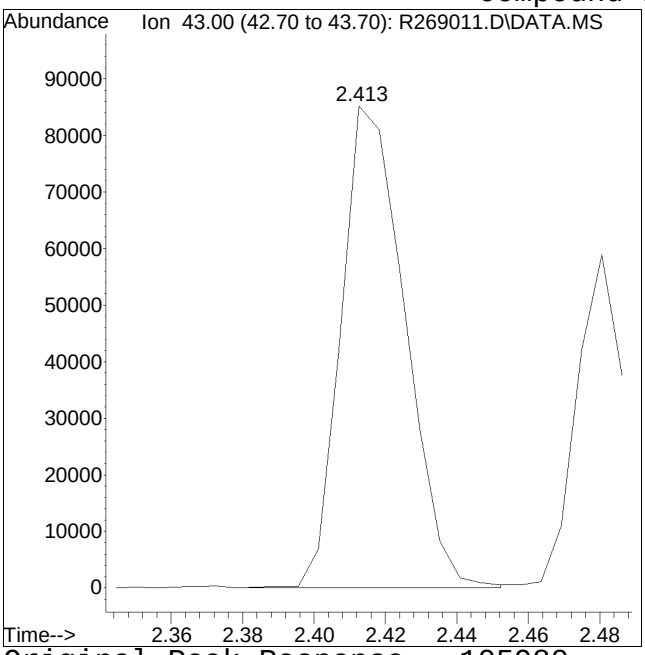


Manual Integration Report

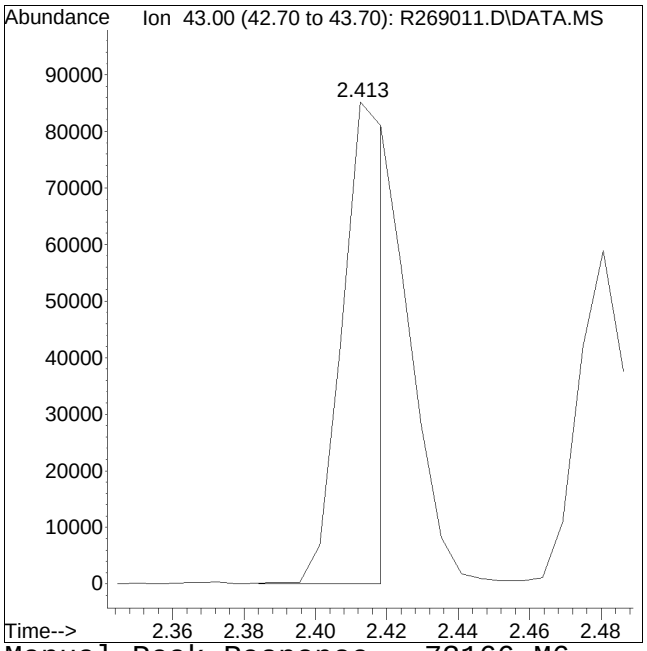
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R269011.D
Date Inj'd : 3/12/2026 1:21 am
Sample : WG2184098-5,3,250,250

Method : TFS26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/12/2026 7:03 am

Compound #19: acetone



Original Peak Response = 105980



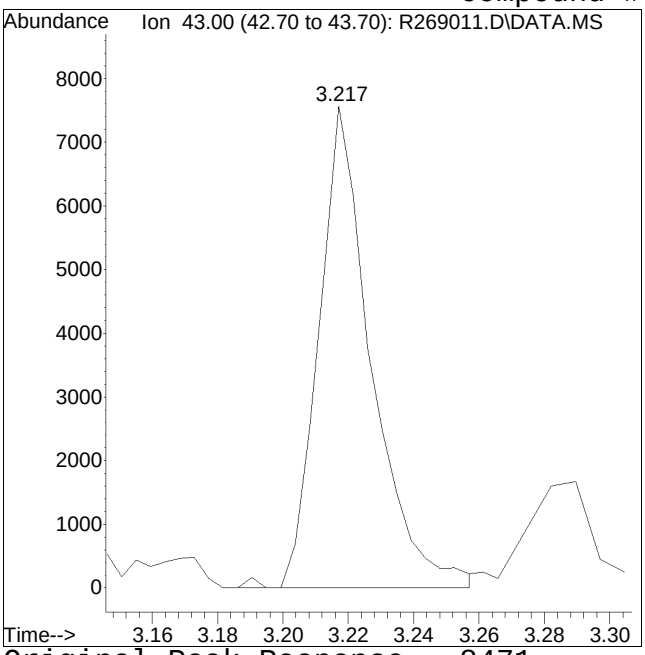
Manual Peak Response = 73166 M6

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

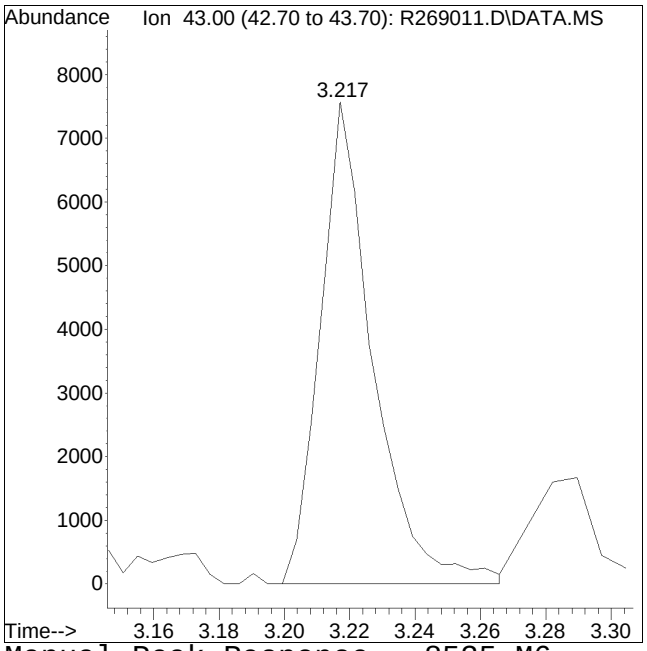
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269011.D Operator : AIRLAB26:TPH
Date Inj'd : 3/12/2026 1:21 am Instrument : Airlab26
Sample : WG2184098-5,3,250,250 Quant Date : 3/12/2026 7:03 am

Compound #36: 2-butanone



Original Peak Response = 8471



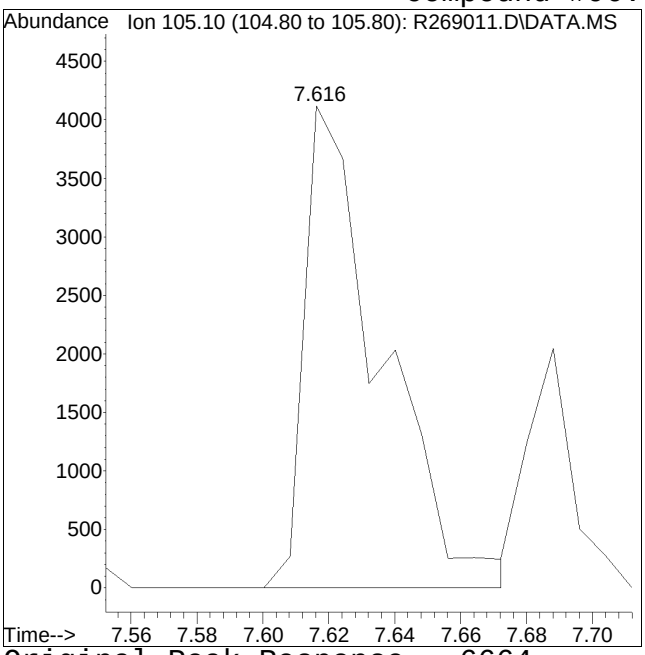
Manual Peak Response = 8535 M6

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

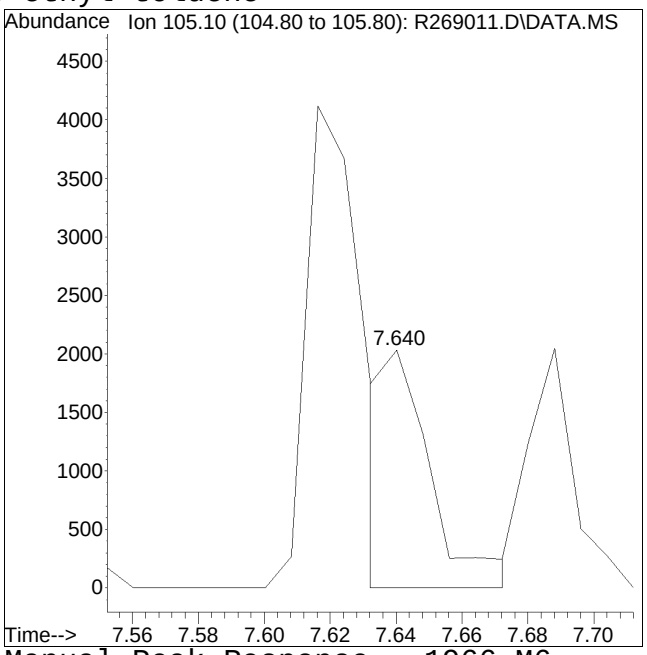
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TFS26_260107.M
Data File : R269011.D Operator : AIRLAB26:TPH
Date Inj'd : 3/12/2026 1:21 am Instrument : Airlab26
Sample : WG2184098-5,3,250,250 Quant Date : 3/12/2026 7:03 am

Compound #96: 4-ethyl toluene



Original Peak Response = 6664



Manual Peak Response = 1966 M6

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

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)

Mar 12 2026, 01:06 pm

Work Group: WG2184098 for Department: 3 GC/MS

Created: 11-MAR-26 Due: Operator: ZPC

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2610077-05	BM-B6-IA-1	S	TO15-LL	AIR	DONE	U	0327	0311	S0	Can-6
L2610077-06	BM-B6-IA-2	S	TO15-LL	AIR	DONE	U	0327	0311	S0	Can-6
L2612752-01	RISER_20260310	S	TO15-LL	SOIL_VAPOR	DONE	U	0409	0312	1B	Tedlar-Poly5
L2612752-02	IA-01_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-03	IA-02_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-04	IA-03_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-05	IA-04_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-06	IA-05_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-07	AA-01_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-01	HA-SS-14_20260309	S	TO15-LL	SOIL_VAPOR	DONE	U	0408	0312	1B	Can-6
L2612894-02	HA-IA-14_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-03	HA-SS-12_20260309	S	TO15-LL	SOIL_VAPOR	DONE	U	0408	0312	1B	Can-6
L2612894-04	HA-IA-12_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-05	HA-SS-13_20260309	S	TO15-LL	SOIL_VAPOR	DONE	U	0408	0312	1B	Can-6
L2612894-06	HA-IA-13_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-07	HA-AA-01_20260309	S	TO15-LL	AIR	DONE	U	0408	0312	1B	Can-6
L2613268-01	AA-1_20260310	S	TO15-LL	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-02	AA-2_20260310	S	TO15-LL	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-03	AA-3_20260310	S	TO15-LL	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-04	AA-4_20260310	S	TO15-LL	AIR	DONE	U	0409	0312	1A	Can-6
WG2184098-1	MS BFB Tune Standard	S	TO15-LL	AIR	DONE	U				
WG2184098-1	MS BFB Tune Standard	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2184098-2	Continuing Calibrati	S	TO15-LL	AIR	DONE	U				
WG2184098-2	Continuing Calibrati	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2184098-3	Laboratory Control S	S	TO15-LL	AIR	DONE	U				
WG2184098-3	Laboratory Control S	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2184098-4	Laboratory Method Bl	S	TO15-LL	AIR	DONE	U				
WG2184098-4	Laboratory Method Bl	S	TO15-LL	SOIL_VAPOR	DONE	U				
WG2184098-5	Duplicate Sample	S	TO15-LL	AIR	DONE	U				
WG2184098-5	Duplicate Sample	S	TO15-LL	SOIL_VAPOR	DONE	U				

Comments:

WG2184098-5 L2612894-06

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB26

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 01/07/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: APR

Sequence Name 260107.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	TA26010701	TO15_SFS.M	R267623.D	250ML	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.M	R267624.D	SS25-033D 50 mL	SIM Only	Default	NA
5	ITO15-SIMSTD0.05	TO15_SFS.M	R267625.D	SS25-033D 125 mL	SIM Only	Default	NA
5	ITO15-SIMSTD0.1	TO15_SFS.M	R267626.D	SS25-033D 250 mL	SIM Only	Default	NA
6	ITO15-LLSTD0.2	TO15_SFS.M	R267627.D	SS25-033C 50 mL		Default	NA
6	ITO15-LLSTD0.5	TO15_SFS.M	R267628.D	SS25-033C 125 mL		Default	NA
6	ITO15-LLSTD1.0	TO15_SFS.M	R267629.D	SS25-033C 250 mL		Default	NA
7	ITO15-LLSTD5.0	TO15_SFS.M	R267630.D	SS25-033B 125 mL		Default	NA
7	ITO15-LLSTD010	TO15_SFS.M	R267631.D	SS25-033B 250 mL		Default	NA
8	ITO15-LLSTD020	TO15_SFS.M	R267632.D	SS25-033A 50 mL		Default	NA
8	ITO15-LLSTD050	TO15_SFS.M	R267633.D	SS25-033A 125 mL		Default	NA
8	ITO15-LLSTD100	TO15_SFS.M	R267634.D	SS25-033A 250 mL	LL Only	Default	NA
1	BA26010701	TO15_SFS.M	R267635.D	250ML			NA
	Pause	TO15_SFS.M					NA
1	BA26010702	TO15_SFS.M	R267636.D	250ML			NA
2	CTO15-LLSTD010	TO15_SFS.M	R267637.D	SS25-040E 250 mL	LL ICV	Default-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.M	R267638.D	SS25-040E 125 mL	SIM ICV	Default-ICV-AP2	NA

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 (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB26

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 03/11/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR/ZPC

Sequence File Name: 260311.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	TA26022401	TO15_SFS.M	R268995.D	250 mL	TUNE	**TT: 10:24**	NA
2	CA26022401	TO15_SFS.M	R268996.D	SS25-037E 250 mL	CC	**NJ CC FAILS**	NA
3	CTO15-LLSTD010	TO15_SFS.M	R268997.D	SS26-007F 250 mL	LL LCS	**NARRATE VA OUT**	NA
3	CTO15-SIMSTD5.0	TO15_SFS.M	R268998.D	SS26-007F 125 mL	SIM LCS	**NARRATE VA OUT**	NA
	PAUSE						NA
1	BA26022401	TO15_SFS.M	R268999.D	250mL	LL BLANK		NA
1	BA26022402	TO15_SFS.M	R269000.D	250mL	SIM BLANK		NA
1	L2612752-07,3,250,250	TO15_SFS.M	R269001.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
2	L2612894-07,3,250,250	TO15_SFS.M	R269002.D	WG2184098,ICAL22939		NY+NAPH	Y
3	L2612752-02,3,250,250	TO15_SFS.M	R269003.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
4	L2612752-03,3,250,250	TO15_SFS.M	R269004.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
5	L2612752-04,3,250,250	TO15_SFS.M	R269005.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
6	L2612752-05,3,250,250	TO15_SFS.M	R269006.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
7	L2612752-06,3,250,250	TO15_SFS.M	R269007.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
8	L2612894-02,3,250,250	TO15_SFS.M	R269008.D	WG2184098,ICAL22939		NY+NAPH	Y
9	L2612894-04,3,250,250	TO15_SFS.M	R269009.D	WG2184098,ICAL22939		NY+NAPH	Y
10	L2612894-06,3,250,250	TO15_SFS.M	R269010.D	WG2184098,ICAL22939		NY+NAPH	Y
10	L2612894-06DUP,3,250,250	TO15_SFS.M	R269011.D	WG2184098,ICAL22939	(DUMMY) LL DUP	NY+NAPH	Y

Alpha Analytical Air Lab
Instrument Run Log

11	L2610077-05,3,250,250	TO15_SFS.M	R269012.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
12	L2610077-06,3,250,250	TO15_SFS.M	R269013.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
13	L2612752-01,3,250,250	TO15_SFS.M	R269014.D	WG2184097,ICAL22940	920	NY+NAPH	Y
14	L2612894-01,3,250,250	TO15_SFS.M	R269015.D	WG2184098,ICAL22939		NY+NAPH	Y
15	L2612894-03D,3,175,250	TO15_SFS.M	R269016.D	WG2184098,ICAL22939		NY+NAPH	Y
16	L2612894-05D,3,8.2,250	TO15_SFS.M	R269017.D	WG2184098,ICAL22939		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 (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Volatiles QC Summary

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG2184097-3	**Analysis Date** : 03/11/26 12:35	**File ID** : R268998
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	4.58	92				-	70-130	25
1,1-Dichloroethene	5	5.22	104				-	70-130	25
cis-1,2-Dichloroethene	5	4.31	86				-	70-130	25
1,1,1-Trichloroethane	5	4.66	93				-	70-130	25
Carbon tetrachloride	5	4.82	96				-	70-130	25
Trichloroethene	5	4.44	89				-	70-130	25
Tetrachloroethene	5	4.77	95				-	70-130	25

Method Blank Summary
Form 4
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Lab Sample ID	: WG2184097-4	**Lab File ID**	: R269000
Instrument ID	: AIRLAB26		
Matrix	: AIR	**Analysis Date**	: 03/11/26 15:01

Client Sample No.	Lab Sample ID	Analysis Date
WG2184097-3LCS	WG2184097-3	03/11/26 12:35
AA-01_20260309	L2612752-07	03/11/26 20:01
IA-01_20260309	L2612752-02	03/11/26 21:07
IA-02_20260309	L2612752-03	03/11/26 21:39
IA-03_20260309	L2612752-04	03/11/26 22:10
IA-04_20260309	L2612752-05	03/11/26 22:42
IA-05_20260309	L2612752-06	03/11/26 23:14
HA-IA-13_20260309DUP	WG2184097-5	03/12/26 01:21

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

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 01/07/26 20:31
Tune Standard	: WG2163147-1	**Tune File ID**	: R267623_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	41.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0 (0)1
174	50.0 - 120.0% of mass 95	80.9
175	4.0 - 9.0% of mass 174	6.1 (7.5)1
176	93.0 - 101% of mass 174	77 (95.3)1
177	5.0 - 9.0% of mass 176	5 (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	R2056558-1	R267624	01/07/26 21:01
STD0.05	R2056558-2	R267625	01/07/26 21:31
STD0.1	R2056558-3	R267626	01/07/26 22:04
STD0.2	R2056558-4	R267627	01/07/26 22:38
STD0.5	R2056558-5	R267628	01/07/26 23:13
STD1.0	R2056558-6	R267629	01/07/26 23:50
STD5.0	R2056558-7	R267630	01/08/26 00:23
STD010	R2056558-8	R267631	01/08/26 00:59
STD020	R2056558-9	R267632	01/08/26 01:32
STD050	R2056558-10	R267633	01/08/26 02:05
ICV Quant	R2056558-11	R267638	01/08/26 11:44

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

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 03/11/26 10:23
Tune Standard	: WG2184097-1	**Tune File ID**	: R268995_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	43.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (.3)1
174	50.0 - 120.0% of mass 95	85.6
175	4.0 - 9.0% of mass 174	6 (7)1
176	93.0 - 101% of mass 174	82.2 (96)1
177	5.0 - 9.0% of mass 176	5.2 (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
WG2184097-2CCAL	WG2184097-2	R268998	03/11/26 12:35
WG2184097-3LCS	WG2184097-3	R268998	03/11/26 12:35
WG2184097-4BLANK	WG2184097-4	R269000	03/11/26 15:01
AA-01_20260309	L2612752-07	R269001	03/11/26 20:01
IA-01_20260309	L2612752-02	R269003	03/11/26 21:07
IA-02_20260309	L2612752-03	R269004	03/11/26 21:39
IA-03_20260309	L2612752-04	R269005	03/11/26 22:10
IA-04_20260309	L2612752-05	R269006	03/11/26 22:42
IA-05_20260309	L2612752-06	R269007	03/11/26 23:14
WG2184097-5DUP	WG2184097-5	R269011	03/12/26 01:21

Internal Standard Area and RT Summary
Form 8a
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Analysis Date**	: 03/11/26 12:35:00
Sample No	: WG2184097-2	**Lab File ID**	: R268998

	Bromochloromethane		1,4-Difluorobenzene		Chlorobenzene-d5	
	Area	RT	Area	RT	Area	RT
WG2184097-2	167705	3.43	566312	4.32	74932	6.44
Upper Limit	234787	3.76	792837	4.65	104905	6.77
Lower Limit	100623	3.10	339787	3.99	44959	6.11
Sample ID						
WG2184097-3 LCS	167705	3.43	566312	4.32	74932	6.44
WG2184097-4 BLANK	169631	3.43	542314	4.32	71789	6.44
AA-01_20260309	167598	3.43	483764	4.32	65109	6.44
IA-01_20260309	184776	3.43	542418	4.32	73283	6.44
IA-02_20260309	164820	3.43	553435	4.32	74735	6.44
IA-03_20260309	172163	3.43	570207	4.32	76257	6.44
IA-04_20260309	168342	3.43	564070	4.32	74330	6.44
IA-05_20260309	169990	3.44	568114	4.32	74307	6.44
HA-IA-13_20260309 DUP	176480	3.44	558296	4.32	74697	6.44

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 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	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-02	Date Collected	: 03/09/26 10:15
Client ID	: IA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:07
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269003	Instrument ID	: AIRLAB26
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	0.070	0.020	--	0.440	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.054	0.020	--	0.366	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-03	Date Collected	: 03/09/26 13:50
Client ID	: IA-02_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 21:39
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269004	Instrument ID	: AIRLAB26
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	0.074	0.020	--	0.465	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.456	0.020	--	3.09	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-04	Date Collected	: 03/09/26 14:00
Client ID	: IA-03_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:10
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269005	Instrument ID	: AIRLAB26
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	0.071	0.020	--	0.447	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.064	0.020	--	0.434	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-05	Date Collected	: 03/09/26 09:30
Client ID	: IA-04_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 22:42
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269006	Instrument ID	: AIRLAB26
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	0.069	0.020	--	0.434	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.040	0.020	--	0.271	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-06	Date Collected	: 03/09/26 09:35
Client ID	: IA-05_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 23:14
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269007	Instrument ID	: AIRLAB26
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	0.071	0.020	--	0.447	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.041	0.020	--	0.278	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: L2612752-07	Date Collected	: 03/09/26 09:40
Client ID	: AA-01_20260309	Date Received	: 03/10/26
Sample Location	: BROOKLYN, NY	Date Analyzed	: 03/11/26 20:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269001	Instrument ID	: AIRLAB26
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	0.082	0.020	--	0.516	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.039	0.020	--	0.264	0.136	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Lab ID	: WG2184097-4	Date Collected	: NA
Client ID	: WG2184097-4BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 03/11/26 15:01
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R269000	Instrument ID	: AIRLAB26
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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269001.D
Acq On : 11 Mar 2026 08:01 pm
Operator : AIRLAB26:TPH
Sample : L2612752-07,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:18:06 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

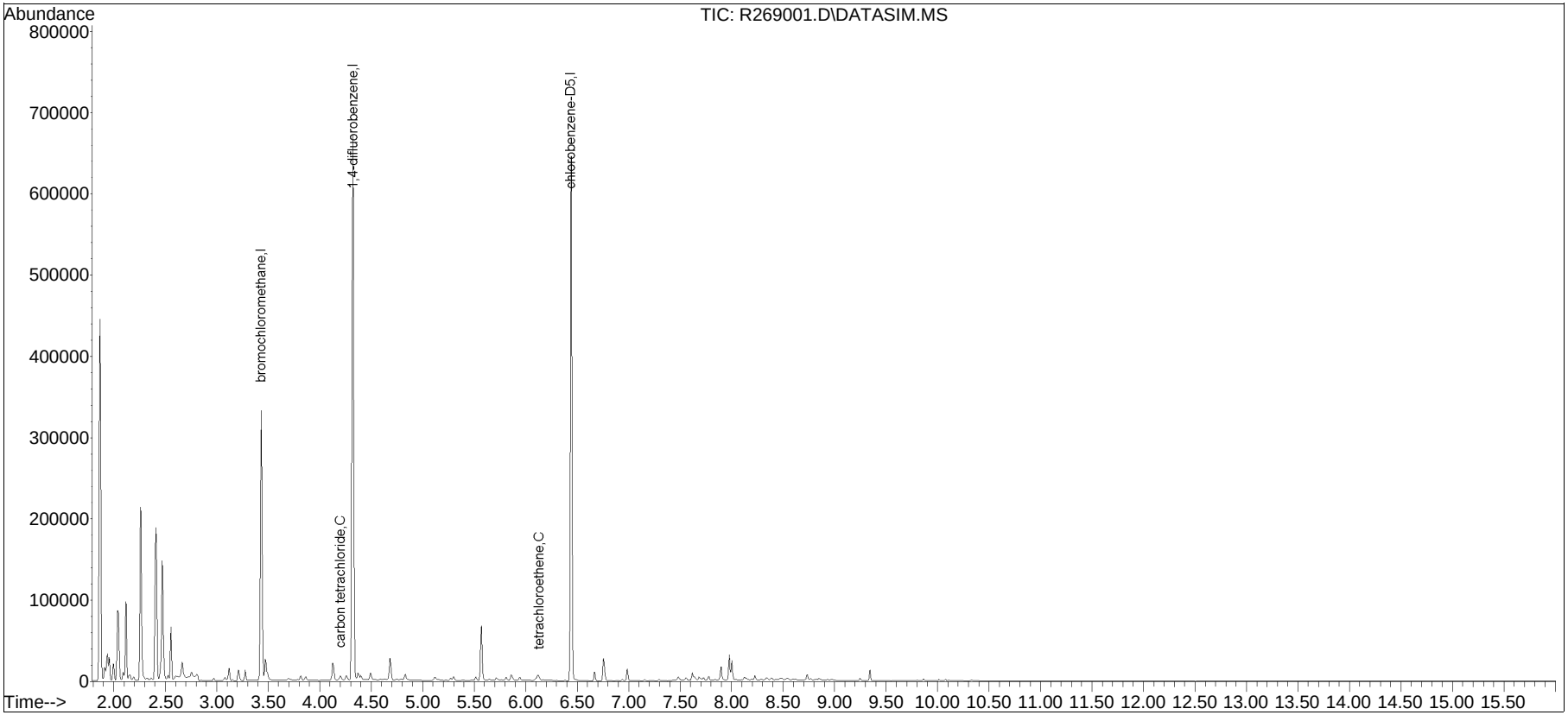
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	167598	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery =		99.94%	
33) 1,4-difluorobenzene	4.324	114	483764	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery =		85.42%	
51) chlorobenzene-D5	6.439	54	65109	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery =		86.89%	
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.	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	3.923		0	N.D.		
38) carbon tetrachloride	4.201	117	1998	0.082	ppbV	# 47
44) trichloroethene	4.644		0	N.D.		
57) tetrachloroethene	6.130	166	894	0.039	ppbV	98

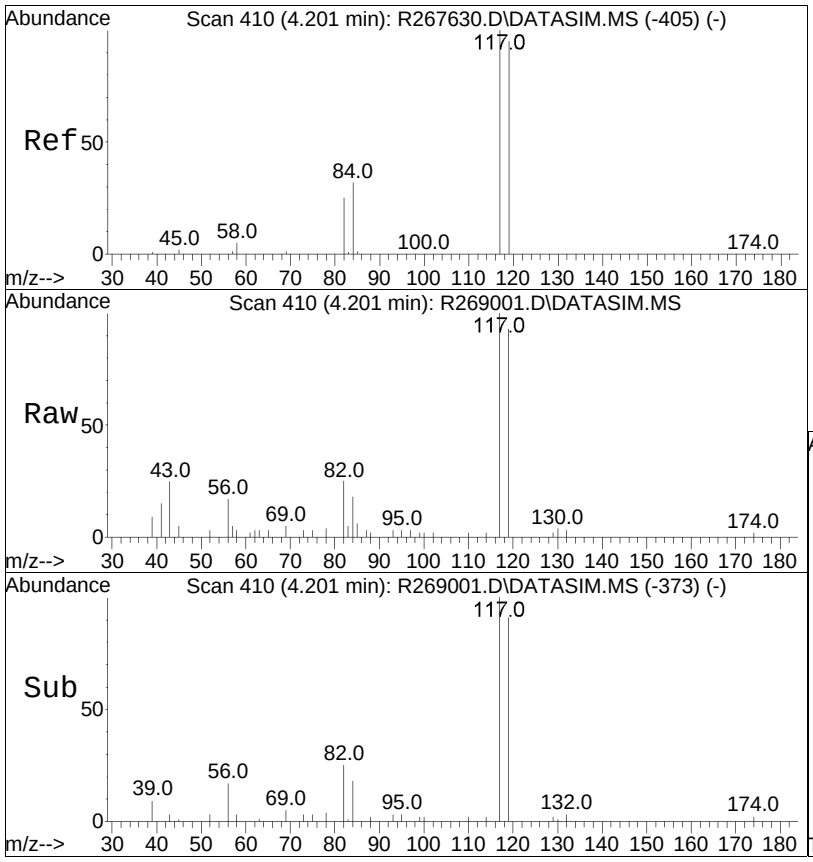
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269001.D
Acq On : 11 Mar 2026 08:01 pm
Operator : AIRLAB26:TPH
Sample : L2612752-07,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:18:06 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

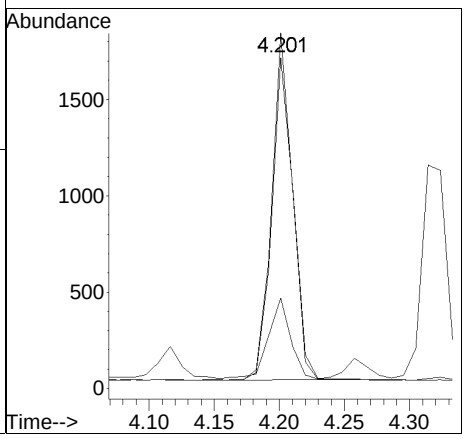


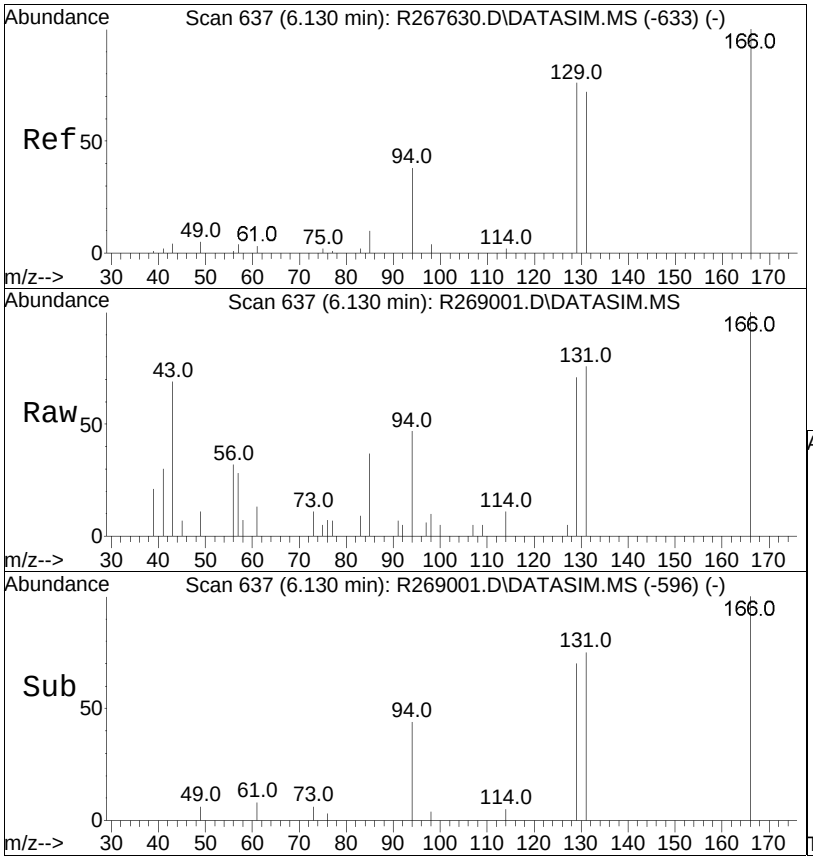


#38
carbon tetrachloride
Concen: 0.08 ppbV
RT: 4.201 min Scan# 410
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:117 Resp: 1998

Ion	Ratio	Lower	Upper
117	100		
119	96.7	0.0	0.0#
82	20.9	2.7	4.1#

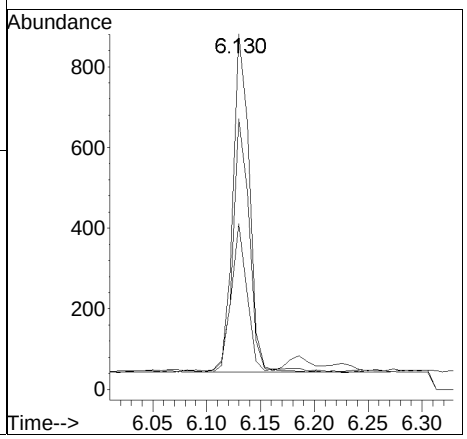




#57
tetrachloroethene
Concen: 0.04 ppbV
RT: 6.130 min Scan# 637
Delta R.T. -0.000 min
Lab File: R269001.D
Acq: 11 Mar 2026 08:01 pm

Tgt Ion:166 Resp: 894

Ion	Ratio	Lower	Upper
166	100		
131	70.9	57.7	86.5
94	40.6	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269001.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 8:01 pm	Instrument	: Airlab26
Sample	: L2612752-07,3,250,250	Quant Date	: 3/12/2026 7:18 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269003.D
Acq On : 11 Mar 2026 09:07 pm
Operator : AIRLAB26:TPH
Sample : L2612752-02,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 07:18:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

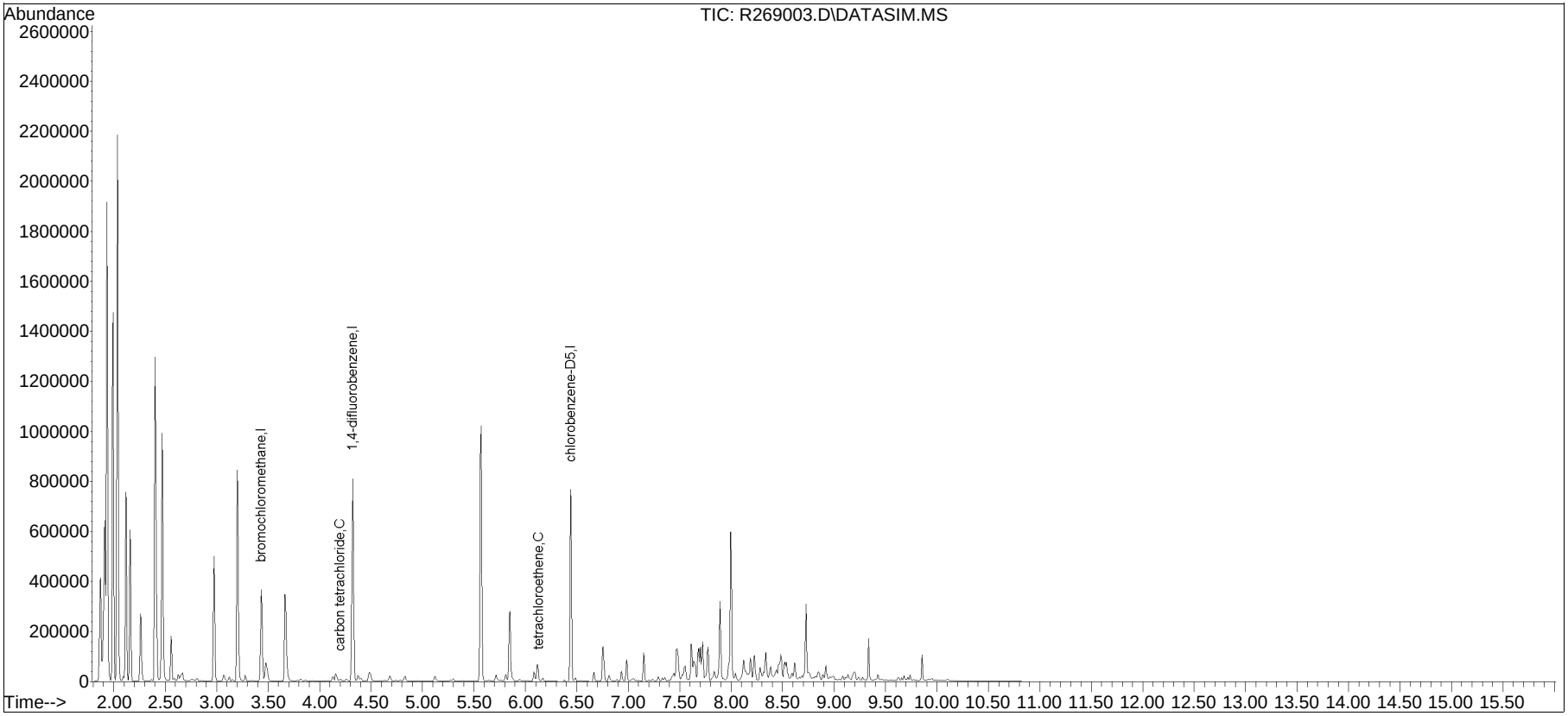
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	184776	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 110.18%			
33) 1,4-difluorobenzene	4.324	114	542418	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 95.78%			
51) chlorobenzene-D5	6.439	54	73283	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 97.80%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	2.065		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	3.374		0	N.D.		
36) 1,1,1-trichloroethane	3.931		0	N.D.		
38) carbon tetrachloride	4.201	117	1914	0.070	ppbV	# 42
44) trichloroethene	4.644		0	N.D.		
57) tetrachloroethene	6.130	166	1414	0.054	ppbV	# 81

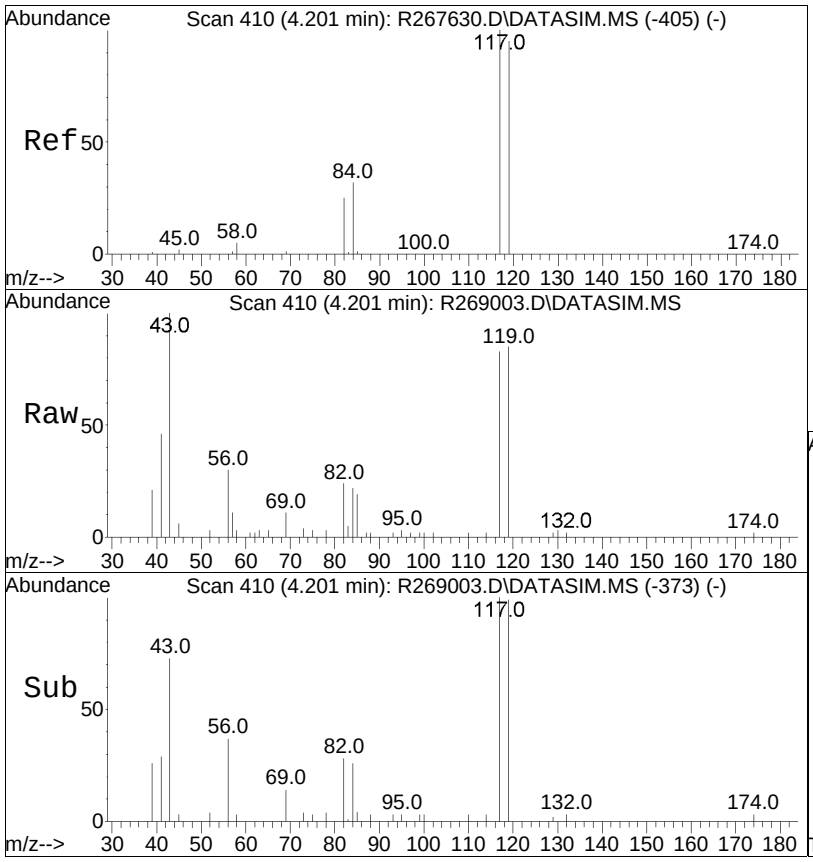
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269003.D
Acq On : 11 Mar 2026 09:07 pm
Operator : AIRLAB26:TPH
Sample : L2612752-02,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 07:18:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

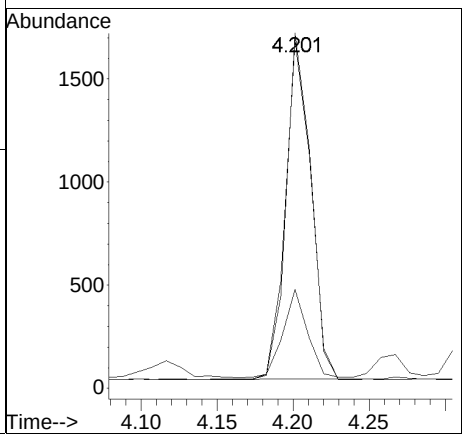


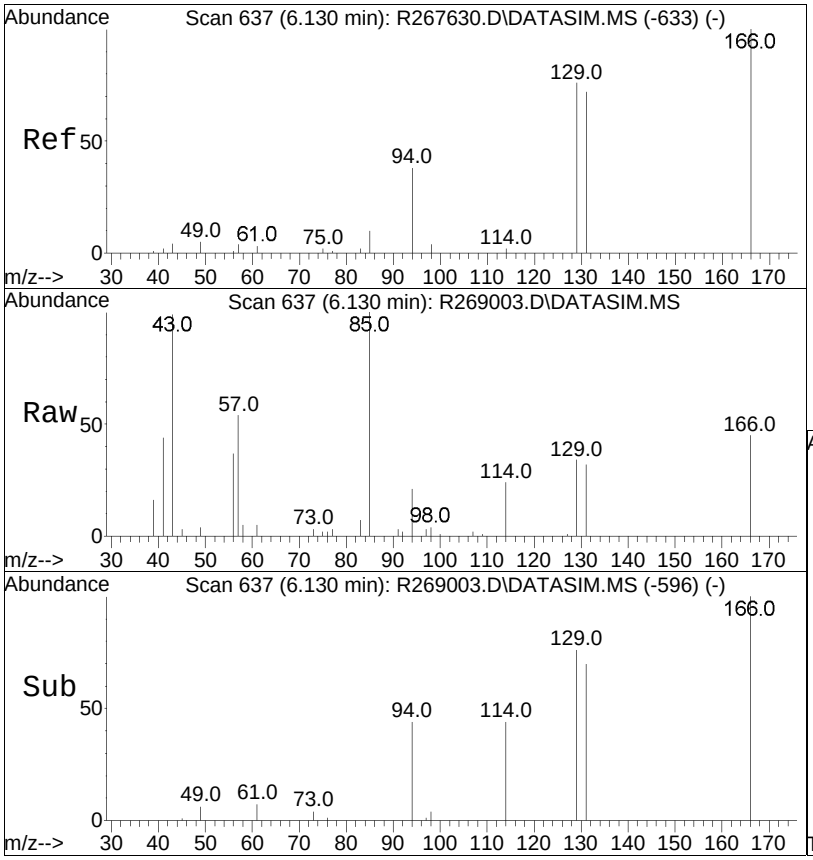


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.201 min Scan# 410
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:117 Resp: 1914

Ion	Ratio	Lower	Upper
117	100		
119	99.4	0.0	0.0#
82	22.7	2.7	4.1#

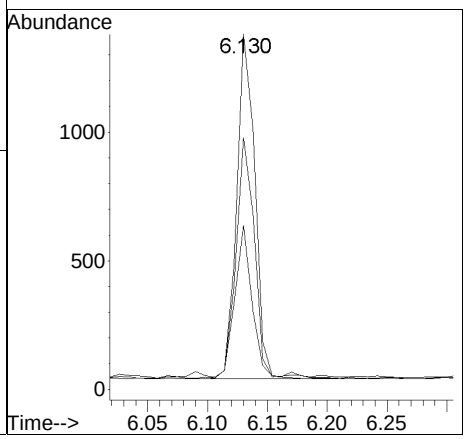




#57
tetrachloroethene
Concen: 0.05 ppbV
RT: 6.130 min Scan# 637
Delta R.T. 0.000 min
Lab File: R269003.D
Acq: 11 Mar 2026 09:07 pm

Tgt Ion:166 Resp: 1414

Ion	Ratio	Lower	Upper
166	100		
131	71.5	57.7	86.5
94	70.7	31.4	47.0#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269003.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 9:07 pm	Instrument	: Airlab26
Sample	: L2612752-02,3,250,250	Quant Date	: 3/12/2026 7:18 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269004.D
Acq On : 11 Mar 2026 09:39 pm
Operator : AIRLAB26:TPH
Sample : L2612752-03,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 07:18:26 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

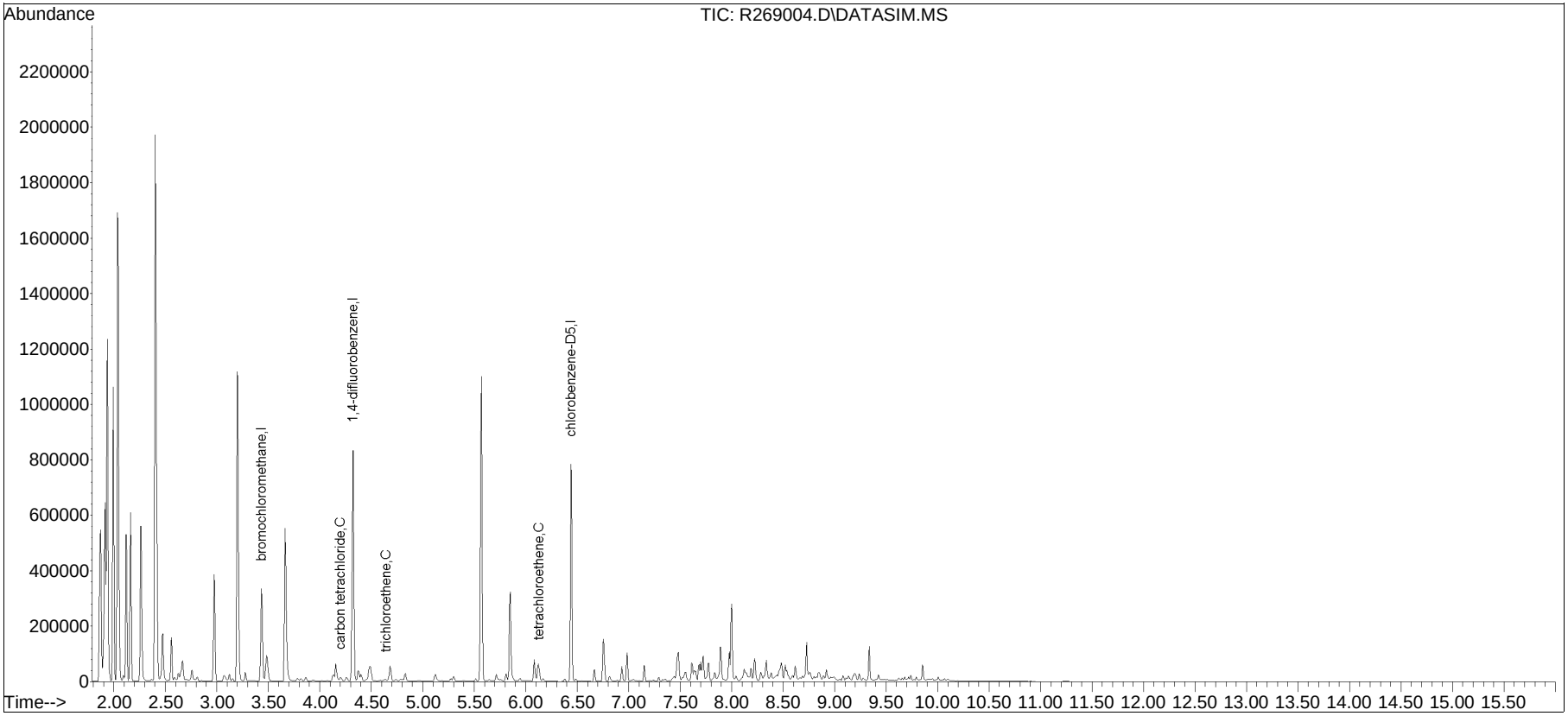
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	164820	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery =	98.28%		
33) 1,4-difluorobenzene	4.324	114	553435	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery =	97.73%		
51) chlorobenzene-D5	6.439	54	74735	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery =	99.74%		
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	2.065		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	3.373		0	N.D.		
36) 1,1,1-trichloroethane	3.923		0	N.D.		
38) carbon tetrachloride	4.201	117	2056	0.074	ppbV	# 46
44) trichloroethene	4.644	130	296	0.013	ppbV	# 1
57) tetrachloroethene	6.130	166	12096	0.456	ppbV	99

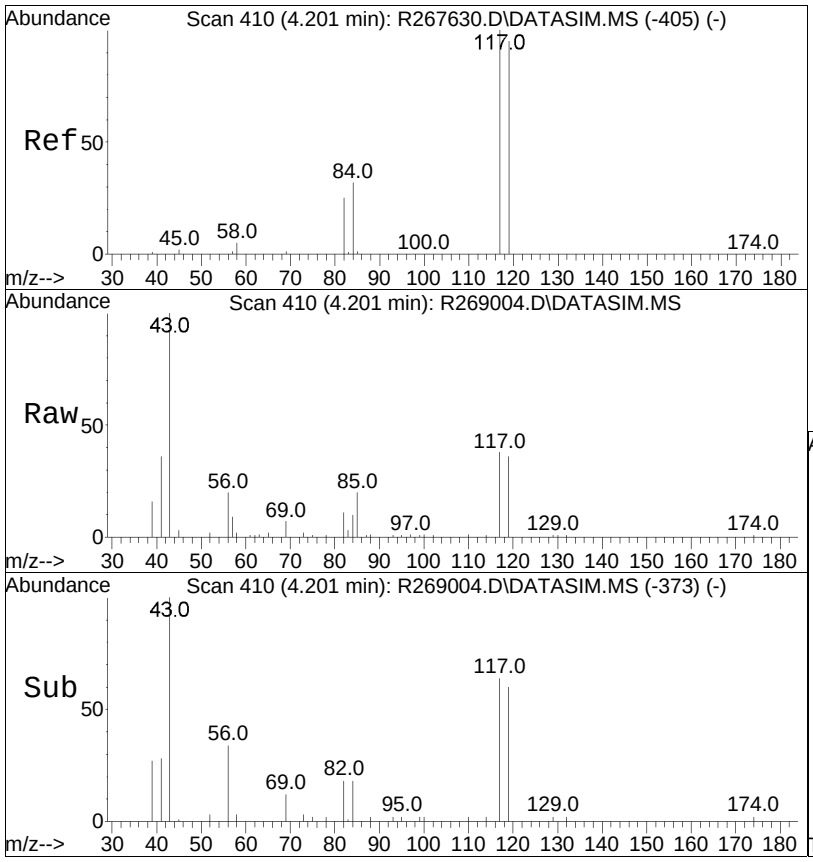
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269004.D
Acq On : 11 Mar 2026 09:39 pm
Operator : AIRLAB26:TPH
Sample : L2612752-03,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 07:18:26 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

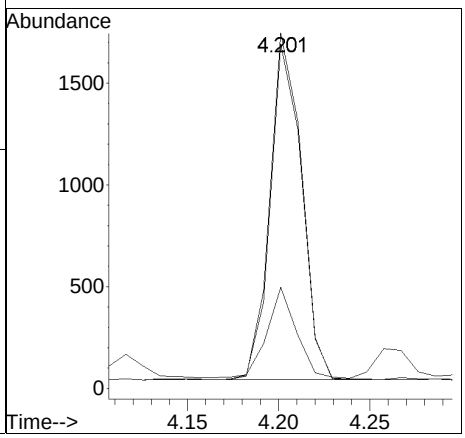


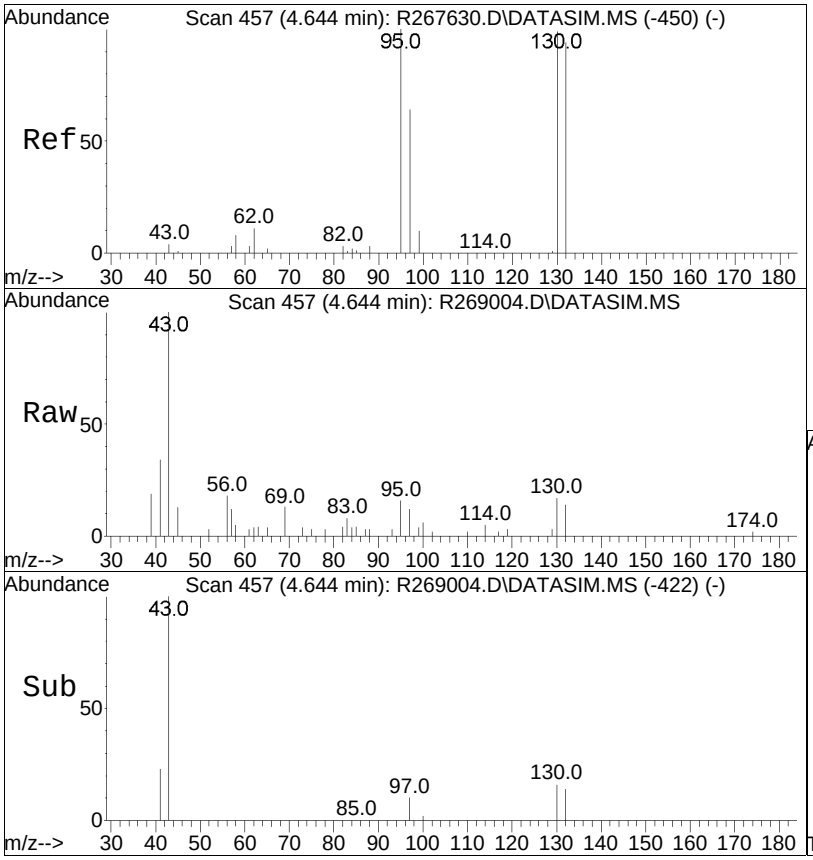


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.201 min Scan# 410
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:117 Resp: 2056

Ion	Ratio	Lower	Upper
117	100		
119	96.5	0.0	0.0#
82	21.1	2.7	4.1#

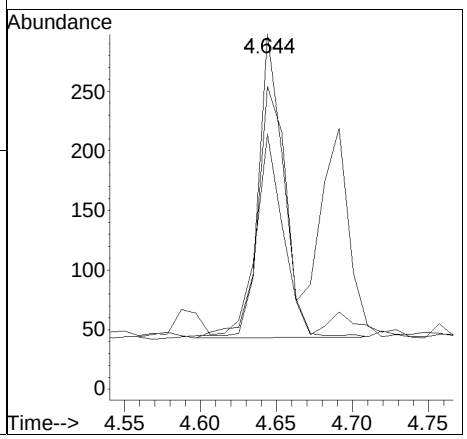


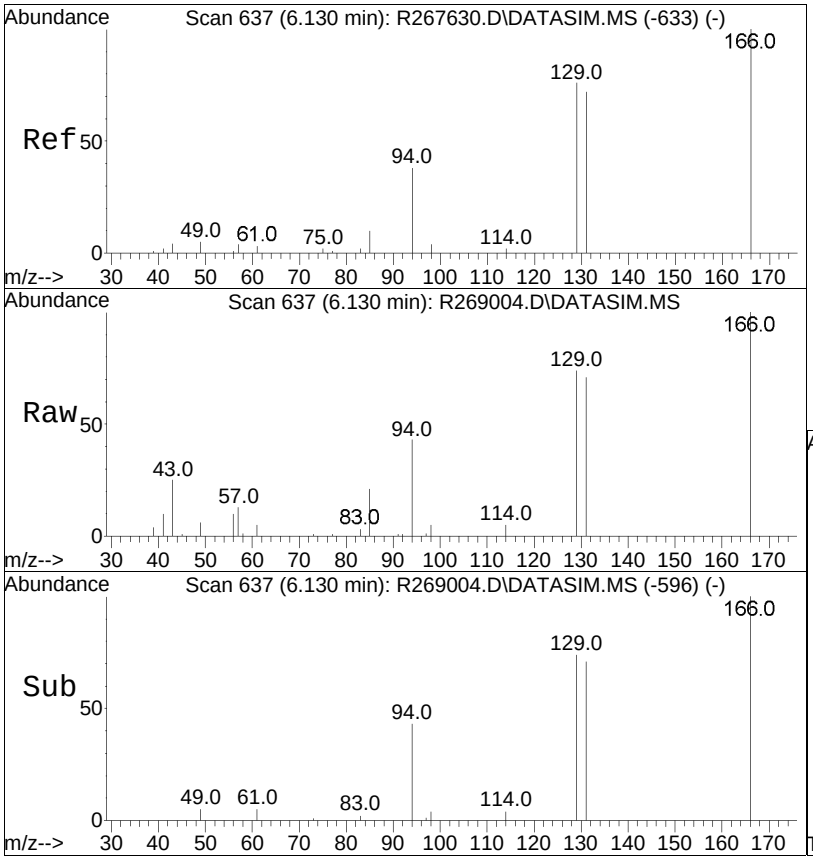


#44
trichloroethene
Concen: 0.01 ppbV
RT: 4.644 min Scan# 457
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:130 Resp: 296

Ion	Ratio	Lower	Upper
130	100		
132	107.4	0.0	0.0#
97	159.5	0.2	0.2#

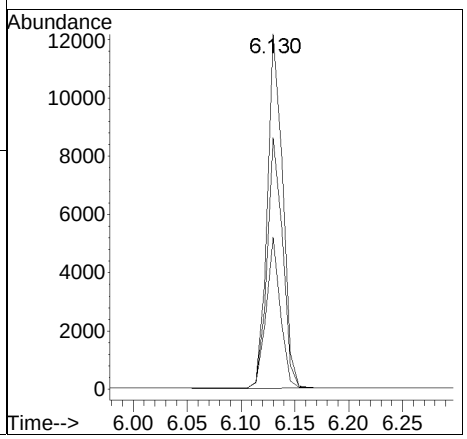




#57
tetrachloroethene
Concen: 0.46 ppbV
RT: 6.130 min Scan# 637
Delta R.T. -0.000 min
Lab File: R269004.D
Acq: 11 Mar 2026 09:39 pm

Tgt Ion:166 Resp: 12096

Ion	Ratio	Lower	Upper
166	100		
131	71.0	57.7	86.5
94	39.7	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269004.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 9:39 pm	Instrument	: Airlab26
Sample	: L2612752-03,3,250,250	Quant Date	: 3/12/2026 7:18 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269005.D
Acq On : 11 Mar 2026 10:10 pm
Operator : AIRLAB26:TPH
Sample : L2612752-04,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 07:18:36 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

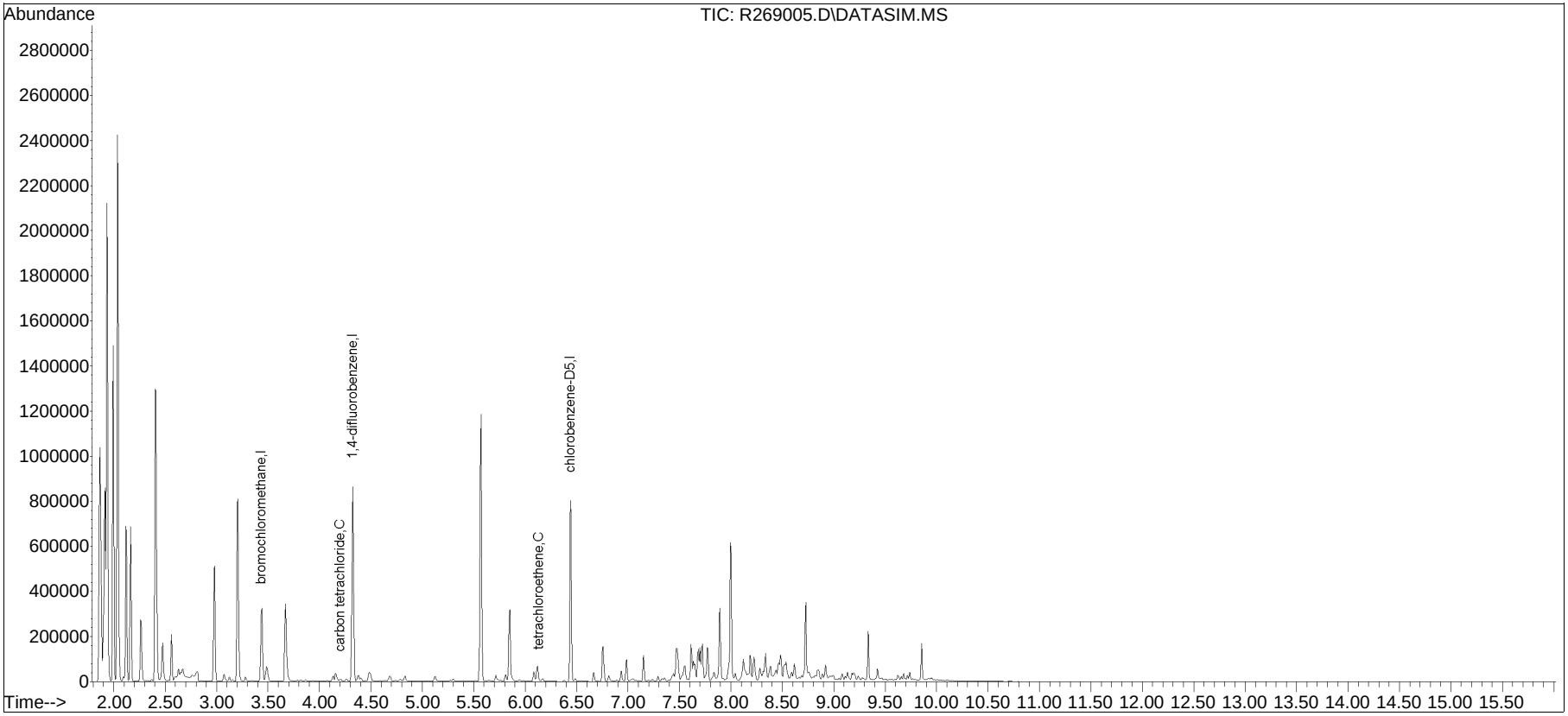
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	172163	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 102.66%			
33) 1,4-difluorobenzene	4.324	114	570207	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 100.69%			
51) chlorobenzene-D5	6.439	54	76257	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 101.77%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	2.065		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	3.374		0	N.D.		
36) 1,1,1-trichloroethane	0.000		0	N.D.		
38) carbon tetrachloride	4.201	117	2039	0.071	ppbV #	46
44) trichloroethene	4.644		0	N.D.		
57) tetrachloroethene	6.130	166	1745	0.064	ppbV	98

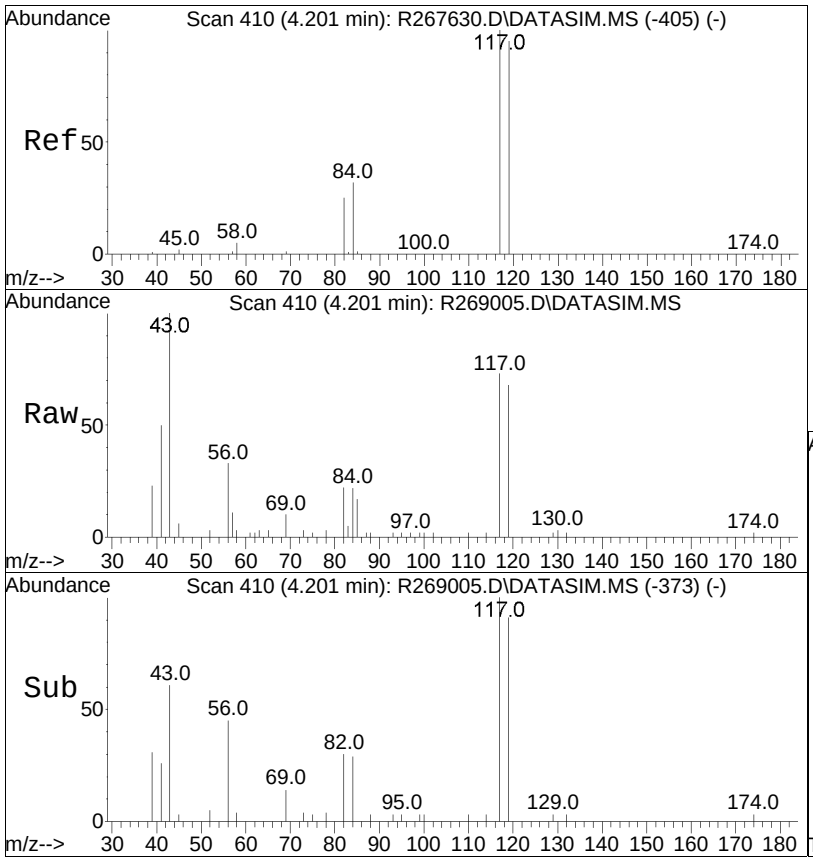
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269005.D
Acq On : 11 Mar 2026 10:10 pm
Operator : AIRLAB26:TPH
Sample : L2612752-04,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 07:18:36 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

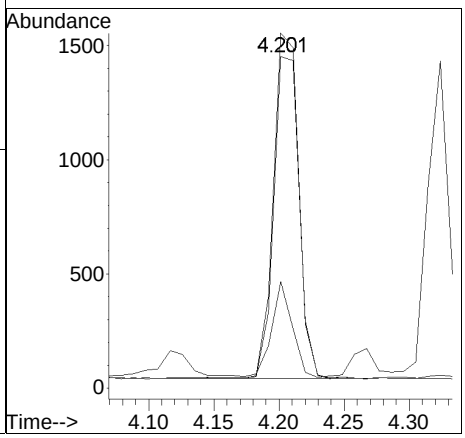


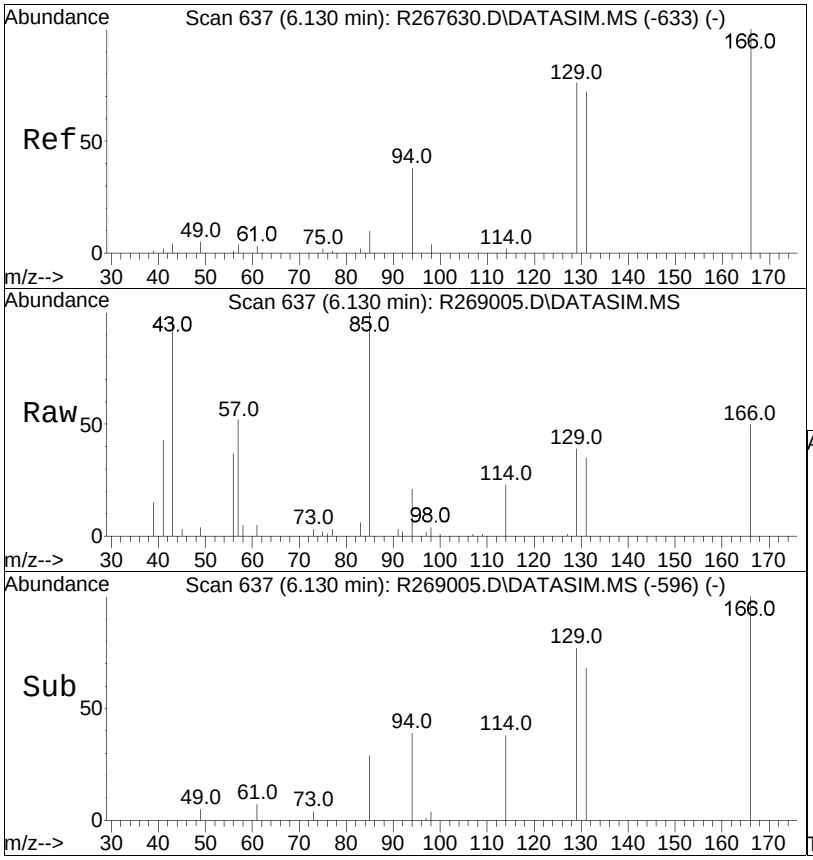


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.201 min Scan# 410
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:117 Resp: 2039

Ion	Ratio	Lower	Upper
117	100		
119	94.3	0.0	0.0#
82	21.3	2.7	4.1#

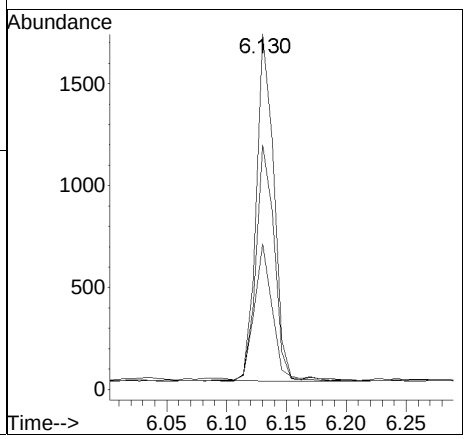




#57
tetrachloroethene
Concen: 0.06 ppbV
RT: 6.130 min Scan# 637
Delta R.T. 0.000 min
Lab File: R269005.D
Acq: 11 Mar 2026 10:10 pm

Tgt Ion:166 Resp: 1745

Ion	Ratio	Lower	Upper
166	100		
131	70.6	57.7	86.5
94	40.6	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269005.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 10:10 pm	Instrument	: Airlab26
Sample	: L2612752-04,3,250,250	Quant Date	: 3/12/2026 7:18 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269006.D
Acq On : 11 Mar 2026 10:42 pm
Operator : AIRLAB26:TPH
Sample : L2612752-05,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 07:18:46 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

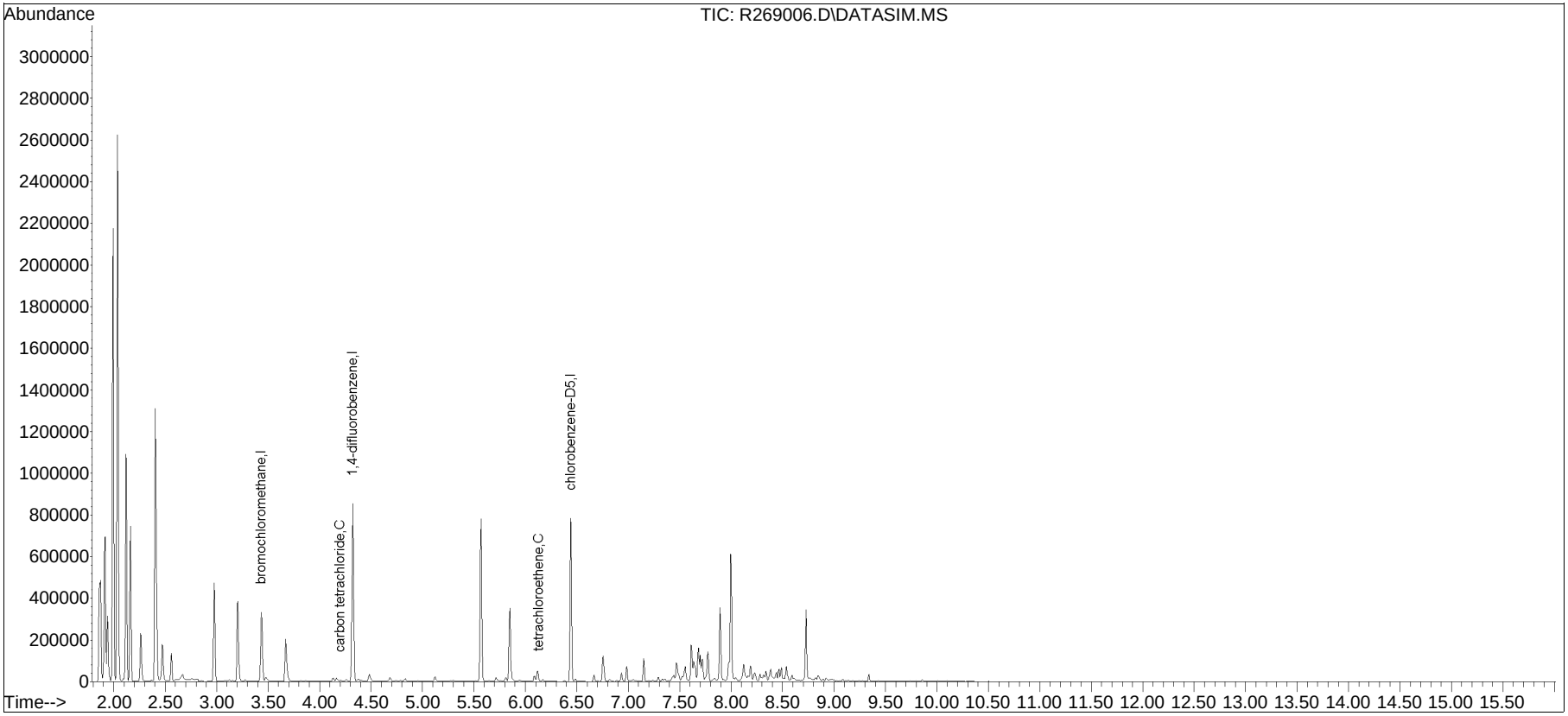
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	168342	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 100.38%			
33) 1,4-difluorobenzene	4.324	114	564070	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 99.60%			
51) chlorobenzene-D5	6.439	54	74330	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 99.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.	d	
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	3.272		0	N.D.		
36) 1,1,1-trichloroethane	3.931		0	N.D.		
38) carbon tetrachloride	4.201	117	1974	0.069	ppbV #	42
44) trichloroethene	4.644		0	N.D.		
57) tetrachloroethene	6.130	166	1057	0.040	ppbV	90

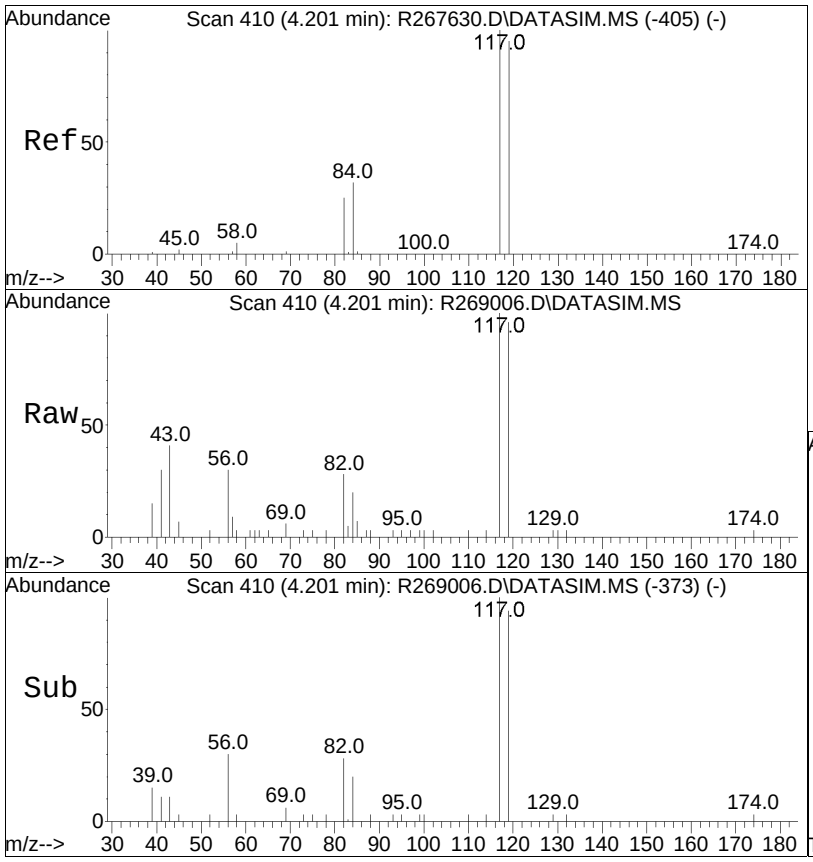
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269006.D
Acq On : 11 Mar 2026 10:42 pm
Operator : AIRLAB26:TPH
Sample : L2612752-05,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 07:18:46 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

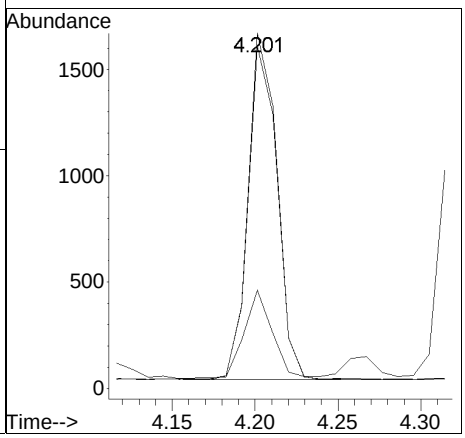


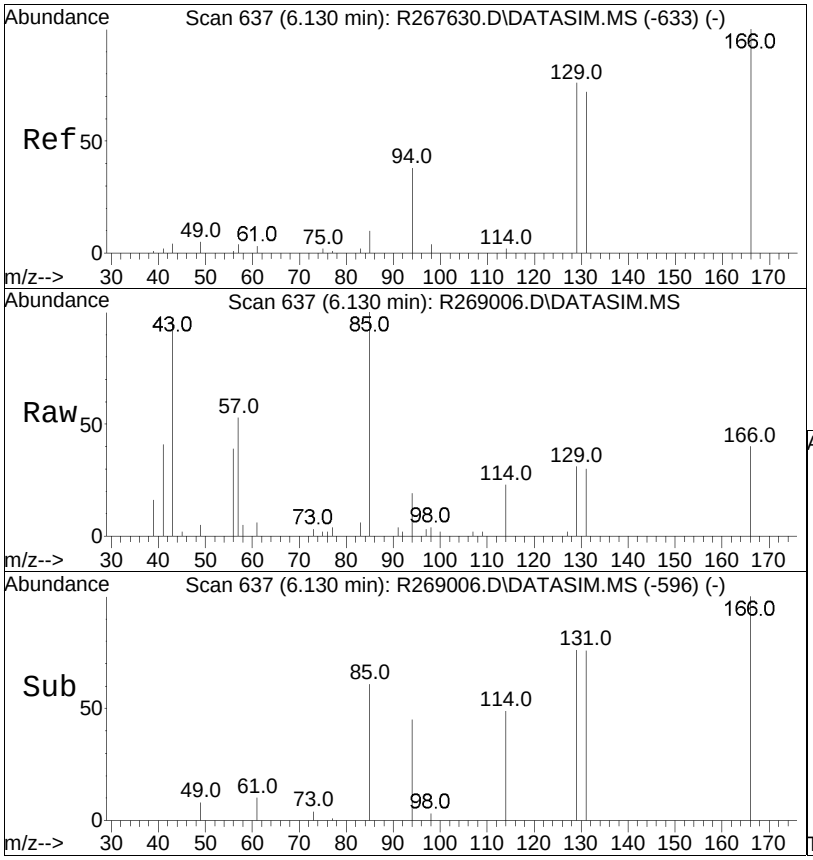


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.201 min Scan# 410
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:117 Resp: 1974

Ion	Ratio	Lower	Upper
117	100		
119	98.2	0.0	0.0#
82	22.6	2.7	4.1#

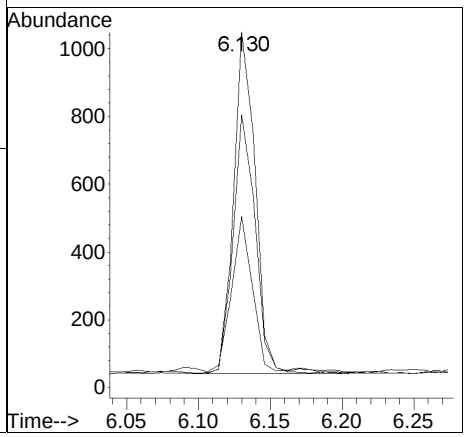




#57
tetrachloroethene
Concen: 0.04 ppbV
RT: 6.130 min Scan# 637
Delta R.T. 0.000 min
Lab File: R269006.D
Acq: 11 Mar 2026 10:42 pm

Tgt Ion:166 Resp: 1057

Ion	Ratio	Lower	Upper
166	100		
131	80.4	57.7	86.5
94	46.2	31.4	47.0



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269006.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 10:42 pm	Instrument	: Airlab26
Sample	: L2612752-05,3,250,250	Quant Date	: 3/12/2026 7:18 am

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269007.D
Acq On : 11 Mar 2026 11:14 pm
Operator : AIRLAB26:TPH
Sample : L2612752-06,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 07:18:56 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

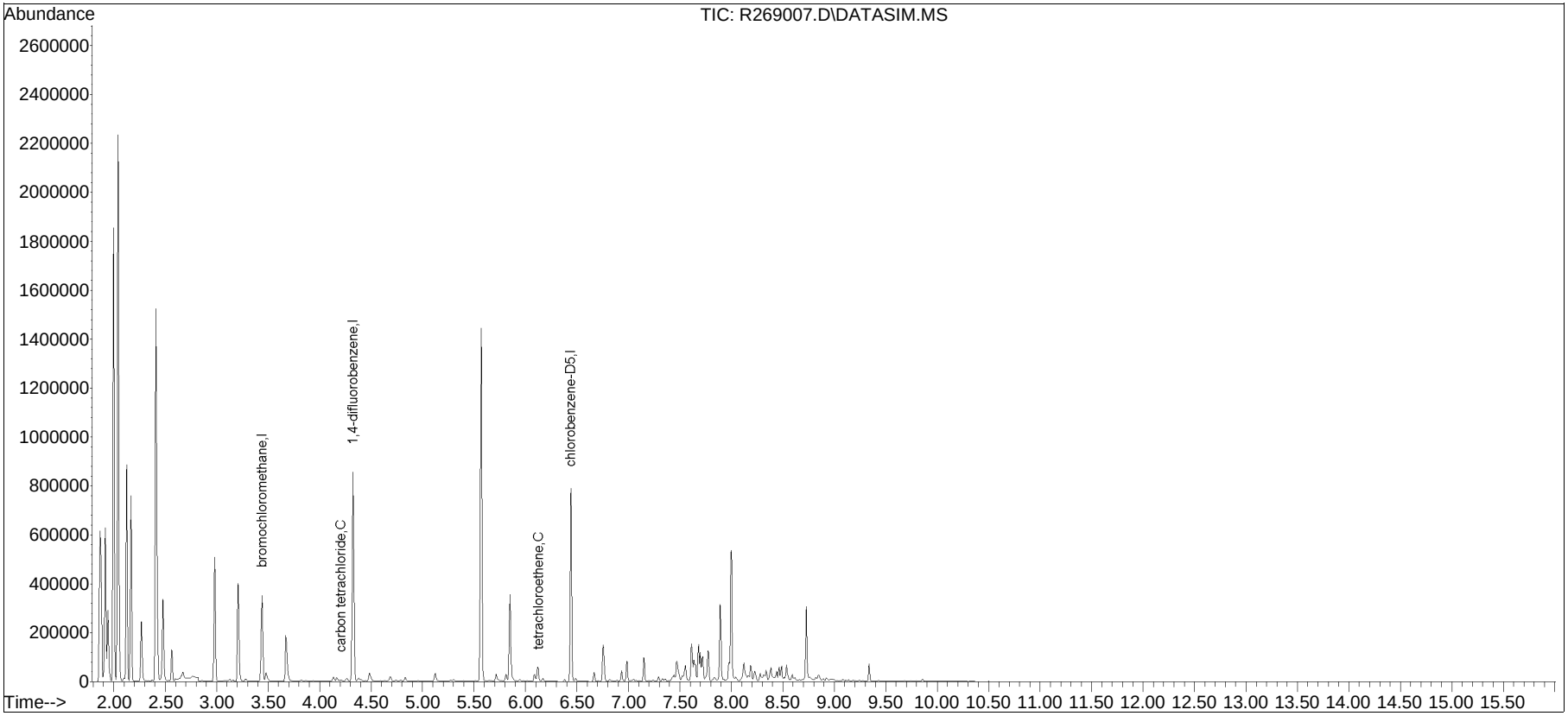
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.441	49	169990	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 101.36%			
33) 1,4-difluorobenzene	4.324	114	568114	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 100.32%			
51) chlorobenzene-D5	6.439	54	74307	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 99.17%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	0.000		0	N.D.	d	
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	3.381		0	N.D.		
36) 1,1,1-trichloroethane	3.931		0	N.D.		
38) carbon tetrachloride	4.210	117	2032	0.071	ppbV #	42
44) trichloroethene	4.653		0	N.D.		
57) tetrachloroethene	6.130	166	1093	0.041	ppbV	97

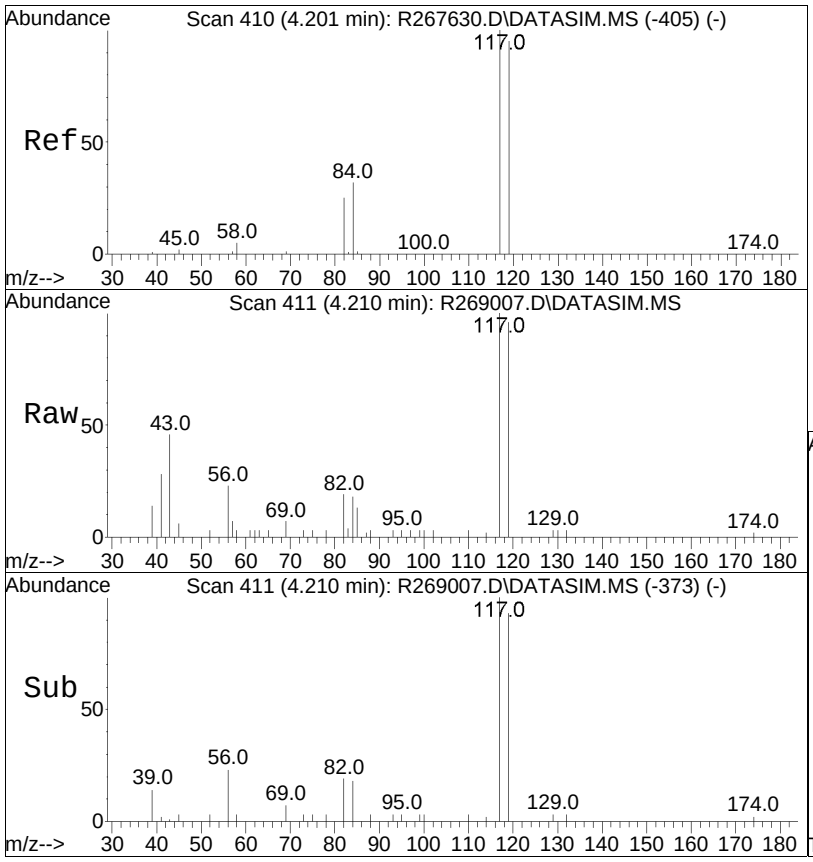
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269007.D
Acq On : 11 Mar 2026 11:14 pm
Operator : AIRLAB26:TPH
Sample : L2612752-06,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 07:18:56 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

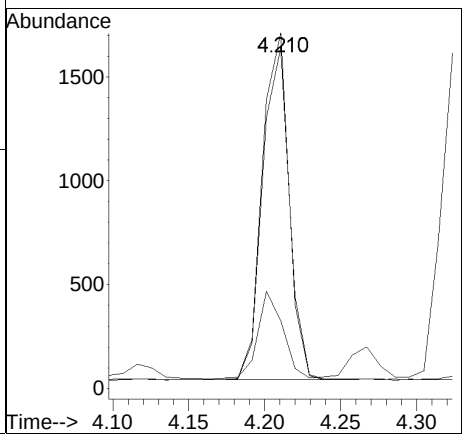


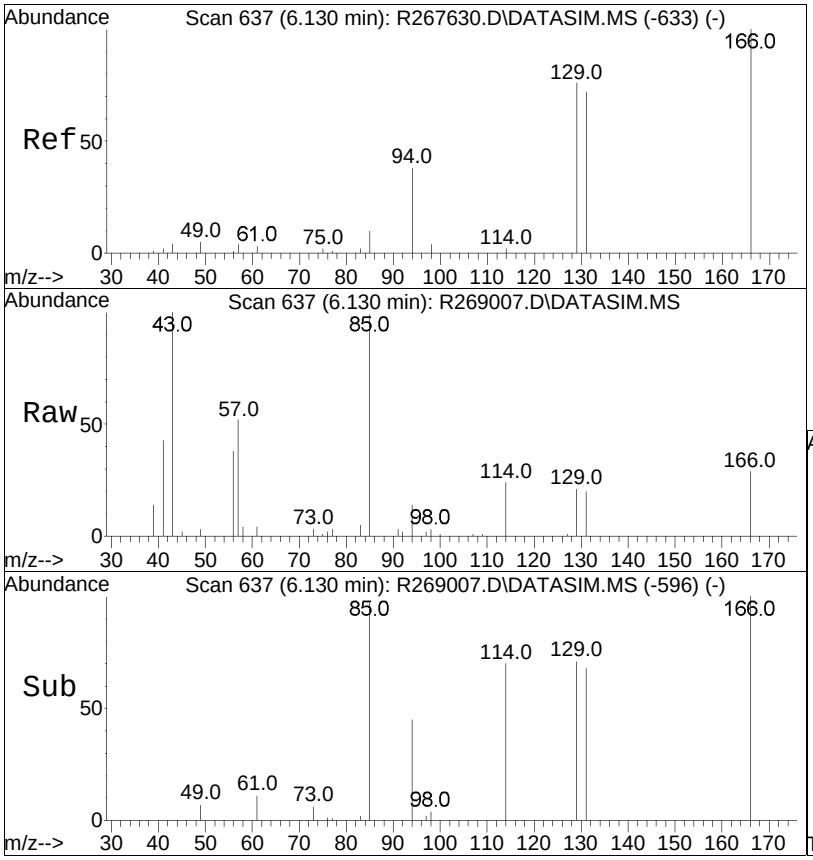


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.210 min Scan# 411
Delta R.T. 0.009 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:117 Resp: 2032

Ion	Ratio	Lower	Upper
117	100		
119	97.7	0.0	0.0#
82	22.5	2.7	4.1#

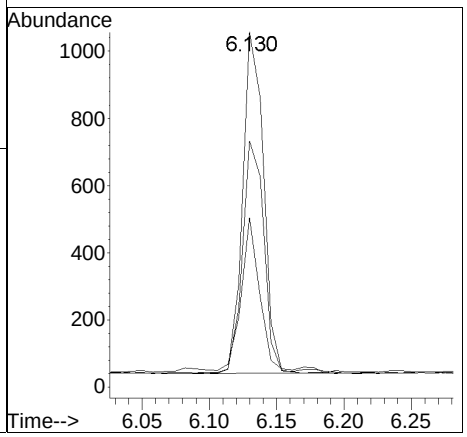




#57
tetrachloroethene
Concen: 0.04 ppbV
RT: 6.130 min Scan# 637
Delta R.T. -0.000 min
Lab File: R269007.D
Acq: 11 Mar 2026 11:14 pm

Tgt Ion:166 Resp: 1093

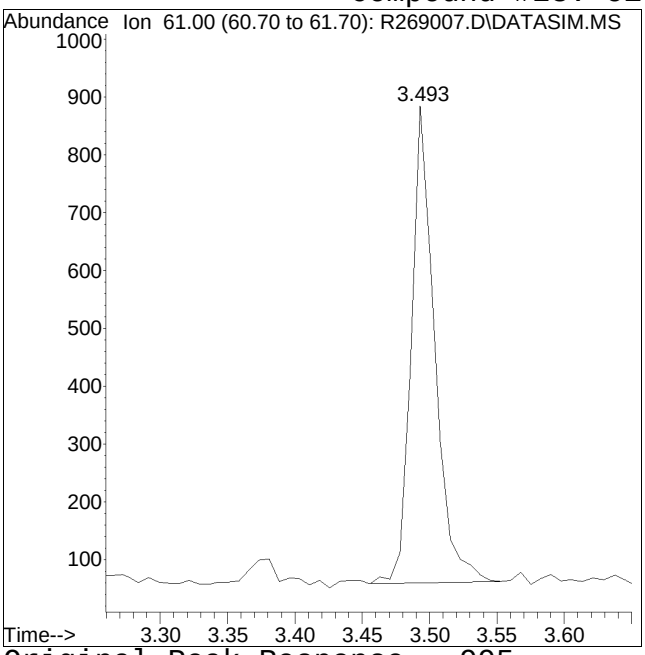
Ion	Ratio	Lower	Upper
166	100		
131	71.6	57.7	86.5
94	43.2	31.4	47.0

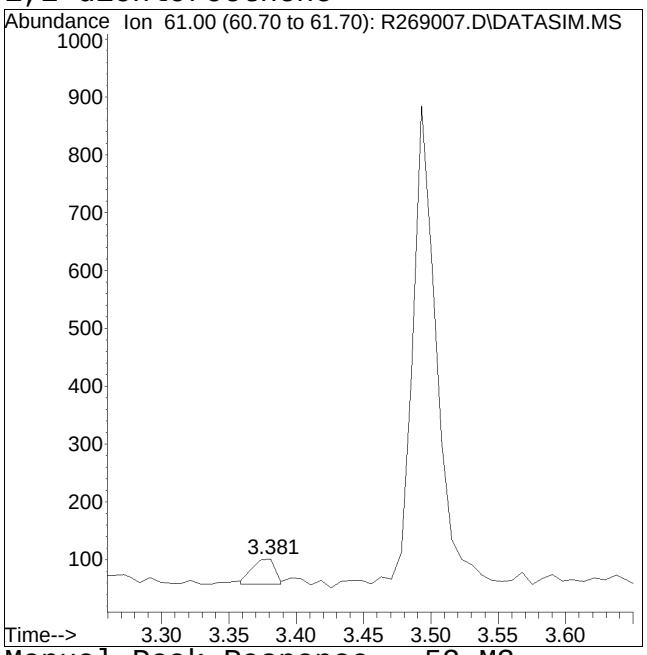


Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R269007.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 11:14 pm Instrument : Airlab26
Sample : L2612752-06,3,250,250 Quant Date : 3/12/2026 7:18 am

Compound #28: cis-1,2-dichloroethene





Original Peak Response = 995 Manual Peak Response = 52 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.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22940**
Calibration dates	**: 01/07/26 21:01 01/08/26 02:05**		

Calibration Files

0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D

5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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				0.744	0.759	0.722	0.634	0.617	0.621	0.567	0.666	11.12
3)		dichlorodifluoromethane				2.218	2.294	2.269	2.049	1.975	1.948	1.721	2.068	10.03
4)	C	chloromethane				0.763	0.786	0.775	0.705	0.674	0.676	0.633	0.716	8.25
5)		Freon-114		2.455	2.471	2.441	2.529	2.470	2.226	2.128	2.085	1.813	2.291	10.61
6)	C	vinyl chloride	0.993	0.975	0.941	0.912	0.951	0.932	0.843	0.812	0.820	0.769	0.895	8.64
7)	C	1,3-butadiene	0.711	0.580	0.614	0.588	0.615	0.599	0.520	0.504	0.532	0.503	0.577	11.16
8)	C	bromomethane	1.007	0.920	0.890	0.874	0.888	0.865	0.794	0.772	0.792	0.744	0.855	9.33
9)	C	chloroethane			0.525	0.513	0.517	0.504	0.467	0.451	0.463	0.442	0.485	6.80
10)		ethanol					0.370	0.367	0.356	0.345	0.344	0.309	0.349	6.32
11)	C	vinyl bromide				0.856	0.933	0.889	0.779	0.760	0.807	0.759	0.826	8.22
12)	C	acrolein		0.433	0.483	0.440	0.401	0.392	0.373	0.363	0.376	0.360	0.402	10.34
13)		acetone				0.996	1.021	1.004	0.851	0.808	0.811	0.681	0.882	14.56
14)		trichlorofluoromethane		2.073	2.106	2.029	2.098	2.055	1.863	1.807	1.820	1.656	1.945	8.32
15)		isopropyl alcohol				1.405	1.284	1.304	0.895	0.870	1.009	0.889	1.094	20.97
16)	C	acrylonitrile				0.647	0.677	0.685	0.622	0.606	0.617	0.590	0.635	5.66
17)	C	1,1-dichloroethene	1.336	1.240	1.287	1.215	1.308	1.269	1.150	1.120	1.136	1.052	1.211	7.69
18)		tertiary butyl alcohol					1.505	1.541	1.366	1.365	1.582	1.400	1.460	6.49
19)	C	methylene chloride					0.849	0.849	0.806	0.719	0.729	0.741	0.782	7.68
20)	C	3-chloropropene				0.742	0.756	0.750	0.699	0.662	0.706	0.660	0.711	5.66
21)	C	carbon disulfide				2.329	2.405	2.343	2.052	1.988	2.080	1.857	2.151	9.69
22)		Freon 113	1.885	1.877	1.905	1.797	1.886	1.838	1.668	1.621	1.632	1.480	1.759	8.40
23)		trans-1,2-dichloroethene	1.141	1.075	1.111	1.069	1.115	1.094	0.969	0.955	1.125	0.955	1.061	6.92
24)	C	1,1-dichloroethane	1.579	1.461	1.486	1.451	1.488	1.471	1.341	1.319	1.495	1.250	1.434	6.91
25)	C	MTBE	2.219	2.141	2.239	2.079	2.172	2.115	1.855	1.878	2.057	1.745	2.050	8.18
26)	C	vinyl acetate					1.163	1.303	1.353	1.429	1.635	1.466	1.392	11.50
27)	C	2-butanone				1.488	1.506	1.829	1.576	1.689	1.750	1.618	1.637	7.71
28)		cis-1,2-dichloroethene	1.252	1.270	1.253	1.206	1.236	1.201	1.138	1.127	1.153	1.075	1.191	5.45
29)		Ethyl Acetate					0.412	0.375	0.261	0.289	0.307	0.263	0.318	19.56
30)	C	chloroform	2.014	1.947	1.988	1.833	1.915	1.868	1.724	1.686	1.731	1.604	1.831	7.59
31)		Tetrahydrofuran				0.699	0.678	0.693	0.655	0.657	0.684	0.663	0.676	2.60
32)	C	1,2-dichloroethane	1.181	1.064	1.122	1.061	1.079	1.060	0.992	0.986	1.014	0.956	1.051	6.44
33)	I	1,4-difluorobenzene	----------ISTD----------											
34)	C	hexane				0.474	0.470	0.466	0.333	0.329	0.343	0.316	0.390	19.28
35)	s	1,2-dichloroethane-D4				0.218	0.217	0.217	0.214	0.230	0.216	0.216	0.218	2.52
36)	C	1,1,1-trichloroethane	0.581	0.539	0.546	0.538	0.538	0.540	0.504	0.510	0.520	0.483	0.530	5.12

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22940**
Calibration dates	**: 01/07/26 21:01 01/08/26 02:05**		

Calibration Files

0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D

5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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		0.942	0.944	0.946	0.922	0.896	0.840	0.823	0.832	0.745	0.877	8.03
38)	C	carbon tetrachloride	0.536	0.515	0.519	0.515	0.516	0.516	0.486	0.482	0.499	0.462	0.505	4.37
39)		cyclohexane				0.399	0.398	0.393	0.350	0.344	0.374	0.341	0.371	7.05
40)		Dibromomethane		0.373	0.367	0.346	0.339	0.331	0.329	0.328	0.327	0.307	0.339	6.17
41)	C	1,2-dichloropropane	0.354	0.327	0.346	0.323	0.323	0.319	0.302	0.298	0.305	0.285	0.318	6.68
42)		bromodichloromethane	0.568	0.575	0.581	0.552	0.556	0.552	0.509	0.511	0.548	0.511	0.546	4.93
43)	C	1,4-dioxane			0.141	0.192	0.177	0.185	0.157	0.173	0.190	0.178	0.174	10.02
44)	C	trichloroethene	0.456	0.417	0.426	0.445	0.447	0.441	0.394	0.392	0.396	0.365	0.418	7.17
45)	C	2,2,4-trimethylpentane				1.205	1.234	1.214	1.044	1.051	1.085	0.950	1.112	9.64
46)		heptane				0.404	0.396	0.394	0.352	0.352	0.371	0.340	0.373	6.79
47)	C	cis-1,3-dichloropropene	0.457	0.444	0.458	0.449	0.451	0.460	0.433	0.442	0.469	0.437	0.450	2.50
48)	C	4-methyl-2-pentanone					0.513	0.523	0.486	0.483	0.503	0.458	0.494	4.73
49)		trans-1,3-dichloropropene	0.361	0.347	0.342	0.328	0.339	0.340	0.325	0.330	0.361	0.346	0.342	3.69
50)	C	1,1,2-trichloroethane	0.398	0.426	0.400	0.376	0.385	0.383	0.369	0.369	0.383	0.354	0.384	5.24
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			8.399	7.939	8.133	8.190	7.380	7.349	7.262	6.286	7.617	9.06
53)	s	toluene-D8				5.945	5.946	5.984	5.813	5.927	5.819	5.874	5.901	1.13
54)		2-hexanone				3.597	3.312	3.762	3.414	3.436	3.566	3.214	3.472	5.33
55)		dibromochloromethane	4.162	4.004	4.110	3.874	3.923	4.012	3.679	3.757	3.983	3.719	3.922	4.17
56)	C	1,2-dibromoethane	4.647	4.362	4.364	4.037	4.150	4.188	3.870	3.891	4.014	3.665	4.119	6.97
57)	C	tetrachloroethene	4.017	3.666	3.843	3.664	3.658	3.667	3.303	3.300	3.335	3.041	3.549	8.32
58)		1,1,1,2-tetrachloroethane	3.281	3.165	3.214	2.998	3.092	3.115	3.071	3.108	3.108	2.890	3.104	3.49
59)	C	chlorobenzene	7.027	6.804	6.829	6.472	6.528	6.508	6.025	5.967	5.964	5.143	6.327	8.84
60)	C	ethylbenzene	1.075	1.023	1.046	0.998	1.008	1.025	0.951	0.945	0.916	0.766	0.975	9.05
61)	C	m+p-xylene	8.662	8.432	8.570	8.013	8.144	8.141	7.403	7.203	6.915	5.542	7.703	12.48
62)	C	bromoform	3.543	3.498	3.478	3.284	3.345	3.377	3.273	3.348	3.650	3.412	3.421	3.51
63)	C	styrene	4.919	5.166	5.477	5.517	5.638	5.934	5.637	5.771	5.859	5.104	5.502	6.16
64)	C	1,1,2,2-tetrachloroethane	6.669	6.510	6.642	5.786	5.923	5.985	5.670	5.578	5.731	4.913	5.941	9.18
65)	C	o-xylene	8.376	8.163	8.231	7.645	7.886	7.890	7.190	7.119	6.933	5.924	7.536	9.99
66)		1,2,3-Trichloropropane	4.930	4.671	4.785	4.281	4.327	4.364	4.302	4.291	4.213	3.794	4.396	7.38
67)	s	bromofluorobenzene				3.613	3.705	3.607	3.524	3.569	3.529	3.537	3.583	1.81
68)	C	isopropylbenzene				1.082	1.169	1.156	1.089	1.068	0.973	0.789	1.047	12.48
69)		Bromobenzene	7.608	8.133	8.138	7.047	7.107	7.080	6.887	6.771	6.539	5.734	7.104	10.22
70)		4-ethyl toluene	1.037	1.055	1.078	0.948	0.997	1.017	0.974	0.950	0.966	0.785	0.981	8.35
71)		1,3,5-trimethylbenzene	9.230	9.161	8.654	8.282	8.191	8.383	8.038	8.048	7.946	6.635	8.257	8.81
72)		tert-butylbenzene				9.106	9.300	9.403	9.512	9.344	8.859	7.401	8.989	8.15

Initial Calibration Summary
Form 6
Air Volatiles

Client	**: Haley & Aldrich**	**Lab Number**	**: L2612752**
Project Name	**: 340 MYRTLE AVE**	**Project Number**	**: 0210873-001-001-04**
Instrument ID	**: AIRLAB26**	**Ical Ref**	**: ICAL22940**
Calibration dates	**: 01/07/26 21:01 01/08/26 02:05**		

Calibration Files

0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D

5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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	9.523	9.153	9.444	8.202	8.532	8.691	8.561	8.384	8.306	6.849	8.564	8.90
74) C	Benzyl Chloride			7.291	5.809	6.170	6.471	6.942	7.021	7.629	6.642	6.747	8.83
75)	1,3-dichlorobenzene	6.813	7.076	7.173	6.145	6.324	6.417	6.468	6.366	6.499	5.710	6.499	6.67
76) C	1,4-dichlorobenzene	8.184	7.808	7.956	6.550	6.432	6.400	6.425	6.370	6.585	5.657	6.837	12.23
77)	sec-butylbenzene				1.285	1.332	1.335	1.356	1.281	1.200	0.947	1.248	11.40
78)	p-isopropyltoluene				1.125	1.140	1.172	1.207	1.188	1.118	0.897	1.121	9.30
79)	1,2-dichlorobenzene	7.752	7.339	7.281	6.134	6.147	6.141	6.254	6.246	6.367	5.532	6.519	10.66
80)	n-butylbenzene				0.987	1.026	1.026	1.138	1.096	1.033	0.832	1.020	9.50
81)	1,2-dibromo-3-chloropr...	3.591	3.167	3.211	2.291	2.236	2.319	2.901	2.955	3.074	2.895	2.864	15.67
82) C	1,2,4-trichlorobenzene		7.326	7.558	4.735	4.765	5.064	6.096	6.114	6.555	6.173	6.043	17.09
83)	naphthalene		1.876	1.852	1.223	1.288	1.456	1.611	1.569	1.421	1.102	1.489	17.93
84)	1,2,3-trichlorobenzene		7.213	7.369	4.108	4.208	4.412	7.055	6.844	6.726	6.058	5.999	22.84
85) C	hexachlorobutadiene		4.543	4.774	2.859	3.017	3.059	4.141	4.292	4.429	4.139	3.917	18.70

Response Factor Report Airlab26

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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				0.744	0.759	0.722	0.634	0.617	0.621	0.567	0.666	11.12
3)		dichlorodifluo...				2.218	2.294	2.269	2.049	1.975	1.948	1.721	2.068	10.03
4)	C	chloromethane				0.763	0.786	0.775	0.705	0.674	0.676	0.633	0.716	8.25
5)		Freon-114		2.455	2.471	2.441	2.529	2.470	2.226	2.128	2.085	1.813	2.291	10.61
6)	C	vinyl chloride	0.993	0.975	0.941	0.912	0.951	0.932	0.843	0.812	0.820	0.769	0.895	8.64
7)	C	1,3-butadiene	0.711	0.580	0.614	0.588	0.615	0.599	0.520	0.504	0.532	0.503	0.577	11.16
8)	C	bromomethane	1.007	0.920	0.890	0.874	0.888	0.865	0.794	0.772	0.792	0.744	0.855	9.33
9)	C	chloroethane			0.525	0.513	0.517	0.504	0.467	0.451	0.463	0.442	0.485	6.80
10)		ethanol					0.370	0.367	0.356	0.345	0.344	0.309	0.349	6.32
11)	C	vinyl bromide				0.856	0.933	0.889	0.779	0.760	0.807	0.759	0.826	8.22
12)	C	acrolein		0.433	0.483	0.440	0.401	0.392	0.373	0.363	0.376	0.360	0.402	10.34
13)		acetone				0.996	1.021	1.004	0.851	0.808	0.811	0.681	0.882	14.56
14)		trichlorofluor...		2.073	2.106	2.029	2.098	2.055	1.863	1.807	1.820	1.656	1.945	8.32
15)		isopropyl alcohol				1.405	1.284	1.304	0.895	0.870	1.009	0.889	1.094	20.97
16)	C	acrylonitrile				0.647	0.677	0.685	0.622	0.606	0.617	0.590	0.635	5.66

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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...	1.336	1.240	1.287	1.215	1.308	1.269	1.150	1.120	1.136	1.052	1.211	7.69
18)		tertiary butyl...					1.505	1.541	1.366	1.365	1.582	1.400	1.460	6.49
19)	C	methylene chlo...					0.849	0.849	0.806	0.719	0.729	0.741	0.782	7.68
20)	C	3-chloropropene				0.742	0.756	0.750	0.699	0.662	0.706	0.660	0.711	5.66
21)	C	carbon disulfide				2.329	2.405	2.343	2.052	1.988	2.080	1.857	2.151	9.69
22)		Freon 113	1.885	1.877	1.905	1.797	1.886	1.838	1.668	1.621	1.632	1.480	1.759	8.40
23)		trans-1,2-dich...	1.141	1.075	1.111	1.069	1.115	1.094	0.969	0.955	1.125	0.955	1.061	6.92
24)	C	1,1-dichloroet...	1.579	1.461	1.486	1.451	1.488	1.471	1.341	1.319	1.495	1.250	1.434	6.91
25)	C	MTBE	2.219	2.141	2.239	2.079	2.172	2.115	1.855	1.878	2.057	1.745	2.050	8.18
26)	C	vinyl acetate					1.163	1.303	1.353	1.429	1.635	1.466	1.392	11.50
27)	C	2-butanone				1.488	1.506	1.829	1.576	1.689	1.750	1.618	1.637	7.71
28)		cis-1,2-dichlo...	1.252	1.270	1.253	1.206	1.236	1.201	1.138	1.127	1.153	1.075	1.191	5.45
29)		Ethyl Acetate					0.412	0.375	0.261	0.289	0.307	0.263	0.318	19.56
30)	C	chloroform	2.014	1.947	1.988	1.833	1.915	1.868	1.724	1.686	1.731	1.604	1.831	7.59
31)		Tetrahydrofuran				0.699	0.678	0.693	0.655	0.657	0.684	0.663	0.676	2.60
32)	C	1,2-dichloroet...	1.181	1.064	1.122	1.061	1.079	1.060	0.992	0.986	1.014	0.956	1.051	6.44

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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				0.474	0.470	0.466	0.333	0.329	0.343	0.316	0.390	19.28
35)	s	1,2-dichloroet...				0.218	0.217	0.217	0.214	0.230	0.216	0.216	0.218	2.52
36)	C	1,1,1-trichlor...	0.581	0.539	0.546	0.538	0.538	0.540	0.504	0.510	0.520	0.483	0.530	5.12
37)	C	benzene		0.942	0.944	0.946	0.922	0.896	0.840	0.823	0.832	0.745	0.877	8.03
38)	C	carbon tetrach...	0.536	0.515	0.519	0.515	0.516	0.516	0.486	0.482	0.499	0.462	0.505	4.37
39)		cyclohexane				0.399	0.398	0.393	0.350	0.344	0.374	0.341	0.371	7.05
40)		Dibromomethane		0.373	0.367	0.346	0.339	0.331	0.329	0.328	0.327	0.307	0.339	6.17
41)	C	1,2-dichloropr...	0.354	0.327	0.346	0.323	0.323	0.319	0.302	0.298	0.305	0.285	0.318	6.68
42)		bromodichlorom...	0.568	0.575	0.581	0.552	0.556	0.552	0.509	0.511	0.548	0.511	0.546	4.93
43)	C	1,4-dioxane			0.141	0.192	0.177	0.185	0.157	0.173	0.190	0.178	0.174	10.02
44)	C	trichloroethene	0.456	0.417	0.426	0.445	0.447	0.441	0.394	0.392	0.396	0.365	0.418	7.17
45)	C	2,2,4-trimethy...				1.205	1.234	1.214	1.044	1.051	1.085	0.950	1.112	9.64
46)		heptane				0.404	0.396	0.394	0.352	0.352	0.371	0.340	0.373	6.79
47)	C	cis-1,3-dichlo...	0.457	0.444	0.458	0.449	0.451	0.460	0.433	0.442	0.469	0.437	0.450	2.50
48)	C	4-methyl-2-pen...					0.513	0.523	0.486	0.483	0.503	0.458	0.494	4.73

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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...	0.361	0.347	0.342	0.328	0.339	0.340	0.325	0.330	0.361	0.346	0.342	3.69
50)	C	1,1,2-trichlor...	0.398	0.426	0.400	0.376	0.385	0.383	0.369	0.369	0.383	0.354	0.384	5.24
51)	I	chlorobenzene-D5	----------ISTD----------											
52)	C	toluene			8.399	7.939	8.133	8.190	7.380	7.349	7.262	6.286	7.617	9.06
53)	s	toluene-D8				5.945	5.946	5.984	5.813	5.927	5.819	5.874	5.901	1.13
54)		2-hexanone				3.597	3.312	3.762	3.414	3.436	3.566	3.214	3.472	5.33
55)		dibromochlorom...	4.162	4.004	4.110	3.874	3.923	4.012	3.679	3.757	3.983	3.719	3.922	4.17
56)	C	1,2-dibromoethane	4.647	4.362	4.364	4.037	4.150	4.188	3.870	3.891	4.014	3.665	4.119	6.97
57)	C	tetrachloroethene	4.017	3.666	3.843	3.664	3.658	3.667	3.303	3.300	3.335	3.041	3.549	8.32
58)		1,1,1,2-tetrac...	3.281	3.165	3.214	2.998	3.092	3.115	3.071	3.108	3.108	2.890	3.104	3.49
59)	C	chlorobenzene	7.027	6.804	6.829	6.472	6.528	6.508	6.025	5.967	5.964	5.143	6.327	8.84
60)	C	ethylbenzene	1.075	1.023	1.046	0.998	1.008	1.025	0.951	0.945	0.916	0.766	0.975	9.05
61)	C	m+p-xylene	8.662	8.432	8.570	8.013	8.144	8.141	7.403	7.203	6.915	5.542	7.703	12.48
62)	C	bromoform	3.543	3.498	3.478	3.284	3.345	3.377	3.273	3.348	3.650	3.412	3.421	3.51
63)	C	styrene	4.919	5.166	5.477	5.517	5.638	5.934	5.637	5.771	5.859	5.104	5.502	6.16
64)	C	1,1,2,2-tetrac...	6.669	6.510	6.642	5.786	5.923	5.985	5.670	5.578	5.731	4.913	5.941	9.18

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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	8.376	8.163	8.231	7.645	7.886	7.890	7.190	7.119	6.933	5.924	7.536	9.99
66)		1,2,3-Trichlor...	4.930	4.671	4.785	4.281	4.327	4.364	4.302	4.291	4.213	3.794	4.396	7.38
67)	s	bromofluoroben...				3.613	3.705	3.607	3.524	3.569	3.529	3.537	3.583	1.81
68)	C	isopropylbenzene				1.082	1.169	1.156	1.089	1.068	0.973	0.789	1.047	12.48
69)		Bromobenzene	7.608	8.133	8.138	7.047	7.107	7.080	6.887	6.771	6.539	5.734	7.104	10.22
70)		4-ethyl toluene	1.037	1.055	1.078	0.948	0.997	1.017	0.974	0.950	0.966	0.785	0.981	8.35
71)		1,3,5-trimethy...	9.230	9.161	8.654	8.282	8.191	8.383	8.038	8.048	7.946	6.635	8.257	8.81
72)		tert-butylbenzene				9.106	9.300	9.403	9.512	9.344	8.859	7.401	8.989	8.15
73)		1,2,4-trimethy...	9.523	9.153	9.444	8.202	8.532	8.691	8.561	8.384	8.306	6.849	8.564	8.90
74)	C	Benzyl Chloride			7.291	5.809	6.170	6.471	6.942	7.021	7.629	6.642	6.747	8.83
75)		1,3-dichlorobe...	6.813	7.076	7.173	6.145	6.324	6.417	6.468	6.366	6.499	5.710	6.499	6.67
76)	C	1,4-dichlorobe...	8.184	7.808	7.956	6.550	6.432	6.400	6.425	6.370	6.585	5.657	6.837	12.23
77)		sec-butylbenzene				1.285	1.332	1.335	1.356	1.281	1.200	0.947	1.248	11.40
78)		p-isopropyltol...				1.125	1.140	1.172	1.207	1.188	1.118	0.897	1.121	9.30
79)		1,2-dichlorobe...	7.752	7.339	7.281	6.134	6.147	6.141	6.254	6.246	6.367	5.532	6.519	10.66
80)		n-butylbenzene				0.987	1.026	1.026	1.138	1.096	1.033	0.832	1.020	9.50

Method Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Method File : TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026
Response Via : Initial Calibration

Calibration Files
0.02=R267624.D 0.05=R267625.D 0.1 =R267626.D 0.2 =R267627.D 0.5 =R267628.D 1.0 =R267629.D
5.0 =R267630.D 10.0=R267631.D 20.0=R267632.D 50.0=R267633.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-...	3.591	3.167	3.211	2.291	2.236	2.319	2.901	2.955	3.074	2.895	2.864	15.67
82)	C	1,2,4-trichlor...		7.326	7.558	4.735	4.765	5.064	6.096	6.114	6.555	6.173	6.043	17.09
83)		naphthalene		1.876	1.852	1.223	1.288	1.456	1.611	1.569	1.421	1.102	1.489	17.93
84)		1,2,3-trichlor...		7.213	7.369	4.108	4.208	4.412	7.055	6.844	6.726	6.058	5.999	22.84
85)	C	hexachlorobuta...		4.543	4.774	2.859	3.017	3.059	4.141	4.292	4.429	4.139	3.917	18.70

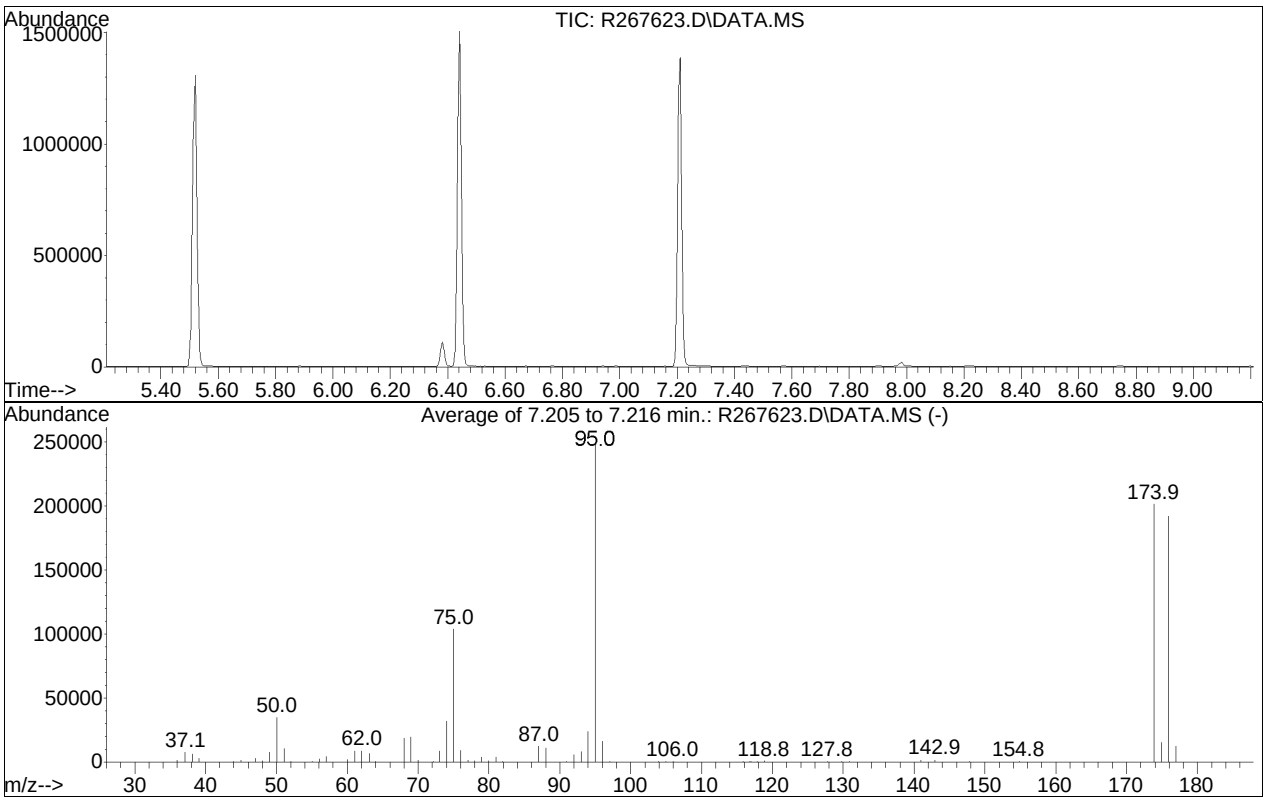
(#) = Out of Range

BFB

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267623.D
Acq On : 07 Jan 2026 08:31 pm
Operator : AIRLAB26:KJD
Sample : WG2163147-1,3,250,250
Misc : WG2163147
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Thu Jan 08 17:59:57 2026



AutoFind: Scans 801, 802, 803; Background Corrected with Scan 794

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.0	34979	PASS
75	95	30	66	41.7	103989	PASS
95	95	100	100	100.0	249664	PASS
96	95	5	9	6.6	16403	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	80.9	201856	PASS
175	174	4	9	7.5	15110	PASS
176	174	93	101	95.3	192299	PASS
177	176	5	9	6.5	12519	PASS

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267624.D
Acq On : 07 Jan 2026 09:01 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.02
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:01 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	212520	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 108.10%			
33) 1,4-difluorobenzene	4.324	114	696577	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 105.70%			
51) chlorobenzene-D5	6.439	54	93716	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 102.96%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
53) toluene-D8	0.000	98	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	0.000	95	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) propylene	1.933	41	444M4	0.033	ppbV	
3) dichlorodifluoromethane	1.955	85	960M6	0.022	ppbV	
4) chloromethane	1.999	50	413M6	0.023	ppbV	
5) Freon-114	2.032	85	1094M4	0.023	ppbV	
6) vinyl chloride	2.065	62	422M4	0.024	ppbV	
7) 1,3-butadiene	2.103	54	302	0.027	ppbV	# 62
8) bromomethane	2.180	94	428	0.025	ppbV	89
9) chloroethane	2.229	64	216M4	0.022	ppbV	
10) ethanol	2.268	31	1104M4	0.146	ppbV	
11) vinyl bromide	2.329	106	410M4	0.025	ppbV	
12) acrolein	2.369	56	236M4	0.029	ppbV	
13) acetone	2.414	43	3622M4	0.200	ppbV	
14) trichlorofluoromethane	2.454	101	906M4	0.023	ppbV	
15) isopropyl alcohol	2.482	45	2685M4	0.141	ppbV	
16) acrylonitrile	2.533	53	301M6	0.023	ppbV	
17) 1,1-dichloroethene	2.634	61	568m	0.023	ppbV	
18) tertiary butyl alcohol	2.662	59	1299M6	0.045	ppbV	
19) methylene chloride	2.662	49	770M6	0.045	ppbV	
20) 3-chloropropene	2.701	41	377M6	0.025	ppbV	
21) carbon disulfide	2.753	76	1295	0.030	ppbV	# 73
22) Freon 113	2.753	101	801	0.023	ppbV	96
23) trans-1,2-dichloroethene	2.971	61	485M6	0.024	ppbV	
24) 1,1-dichloroethane	3.046	63	671M6	0.024	ppbV	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267624.D
Acq On : 07 Jan 2026 09:01 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.02
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:01 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.090	73	943M6	0.024	ppbV		
26) vinyl acetate	3.112	43	980M6	0.034	ppbV		
27) 2-butanone	3.223	43	708M6	0.021	ppbV		
28) cis-1,2-dichloroethene	3.366	61	532M6	0.022	ppbV		
29) Ethyl Acetate	3.500	61	184M6	0.033	ppbV		
30) chloroform	3.493	83	856	0.023	ppbV	#	100
31) Tetrahydrofuran	3.711	42	292M3	0.021	ppbV		
32) 1,2-dichloroethane	3.809	62	502	0.024	ppbV	#	95
34) hexane	3.471	57	655	0.028	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	810M4	0.023	ppbV		
37) benzene	4.126	78	1337M4	0.023	ppbV		
38) carbon tetrachloride	4.201	117	747M4	0.022	ppbV		
39) cyclohexane	4.258	56	651M6	0.027	ppbV		
40) Dibromomethane	4.503	93	681	0.030	ppbV	#	100
41) 1,2-dichloropropane	4.521	63	493M4	0.023	ppbV		
42) bromodichloromethane	4.616	83	792	0.022	ppbV	#	100
43) 1,4-dioxane	4.719	88	202M6	0.018	ppbV		
44) trichloroethene	4.644	130	635	0.023	ppbV	#	46
45) 2,2,4-trimethylpentane	4.682	57	1709M6	0.023	ppbV		
46) heptane	4.833	43	631M6	0.026	ppbV		
47) cis-1,3-dichloropropene	5.084	75	636M6	0.021	ppbV		
48) 4-methyl-2-pentanone	5.156	43	845	0.025	ppbV	#	55
49) trans-1,3-dichloropropene	5.356	75	503	0.022	ppbV	#	100
50) 1,1,2-trichloroethane	5.427	97	555	0.022	ppbV	#	1
52) toluene	5.571	91	1741	0.025	ppbV		99
54) 2-hexanone	5.795	43	391M6	0.012	ppbV		
55) dibromochloromethane	5.763	129	780	0.023	ppbV		97
56) 1,2-dibromoethane	5.882	107	871	0.024	ppbV		97
57) tetrachloroethene	6.130	166	753	0.024	ppbV		95
58) 1,1,1,2-tetrachloroethane	6.461	131	615M4	0.021	ppbV		
59) chlorobenzene	6.466	112	1317	0.023	ppbV	#	1
60) ethylbenzene	6.668	91	2015	0.023	ppbV		99
61) m+p-xylene	6.761	91	3247M4	0.047	ppbV		
62) bromoform	6.761	173	664M4	0.022	ppbV		
63) styrene	6.940	104	922M6	0.017	ppbV		
64) 1,1,2,2-tetrachloroethane	6.986	83	1250	0.024	ppbV		99
65) o-xylene	6.986	91	1570	0.023	ppbV		98
66) 1,2,3-Trichloropropane	7.050	75	924	0.023	ppbV		96
68) isopropylbenzene	7.300	105	2415	0.024	ppbV		98
69) Bromobenzene	7.312	77	1426M6	0.022	ppbV		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267624.D
Acq On : 07 Jan 2026 09:01 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.02
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:01 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

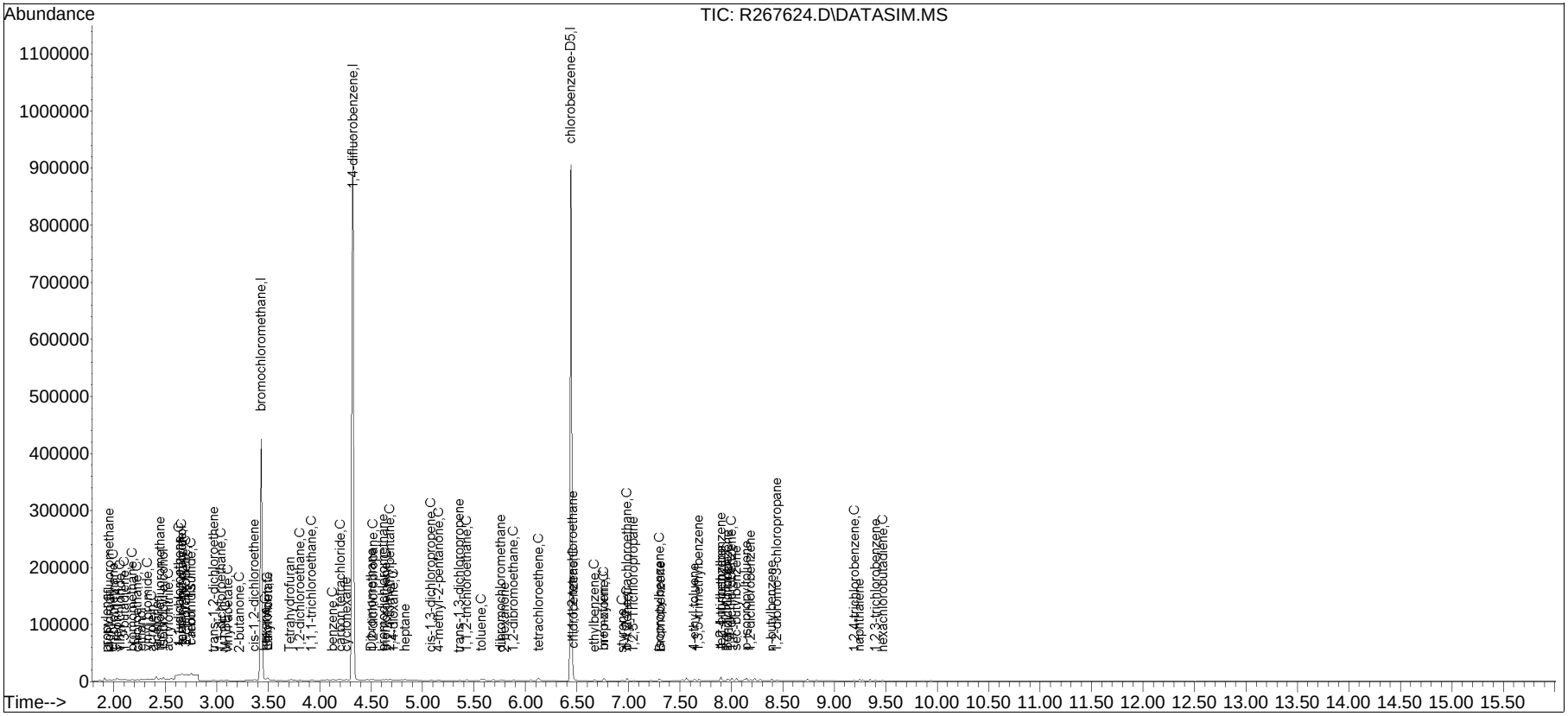
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	7.643	105	1944M4	0.021	ppbV		
71) 1,3,5-trimethylbenzene	7.682	105	1730M3	0.023	ppbV		
72) tert-butylbenzene	7.898	119	2050	0.023	ppbV		100
73) 1,2,4-trimethylbenzene	7.898	105	1785	0.022	ppbV		98
74) Benzyl Chloride	7.962	91	1238	0.019	ppbV	#	89
75) 1,3-dichlorobenzene	7.962	146	1277M6	0.021	ppbV		
76) 1,4-dichlorobenzene	8.002	146	1534M4	0.025	ppbV		
77) sec-butylbenzene	8.050	105	2807	0.022	ppbV		100
78) p-isopropyltoluene	8.145	119	2388	0.021	ppbV		98
79) 1,2-dichlorobenzene	8.185	146	1453	0.025	ppbV		97
80) n-butylbenzene	8.393	91	2317	0.022	ppbV		97
81) 1,2-dibromo-3-chloropr...	8.441	75	673	0.025	ppbV	#	89
82) 1,2,4-trichlorobenzene	9.197	180	1464	0.026	ppbV		97
83) naphthalene	9.244	128	3796	0.025	ppbV		95
84) 1,2,3-trichlorobenzene	9.401	180	1467M6	0.022	ppbV		
85) hexachlorobutadiene	9.472	225	936	0.024	ppbV		96

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267624.D
Acq On : 07 Jan 2026 09:01 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.02
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:01 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

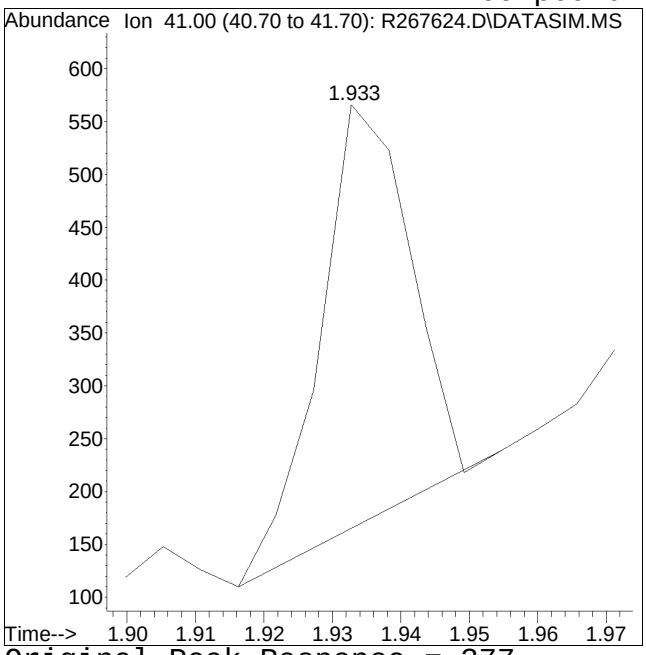


Manual Integration Report

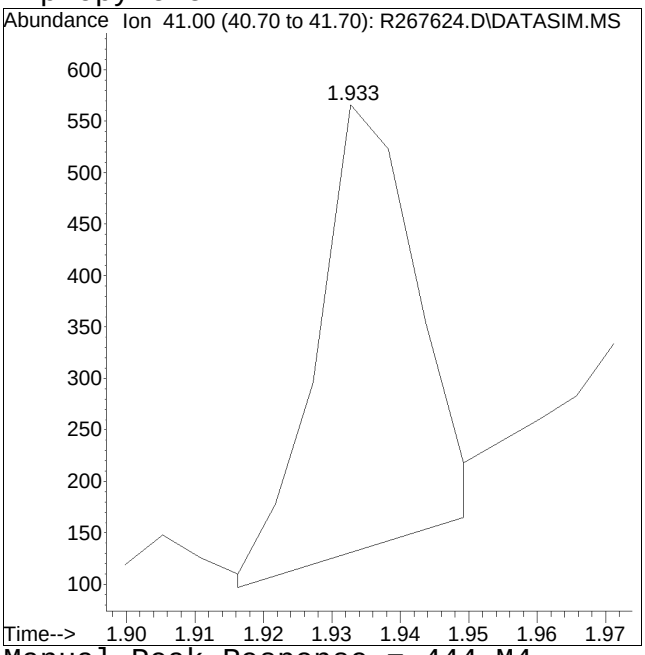
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267624.D
Date Inj'd : 1/7/2026 9:01 pm
Sample : ITO15-SIMSTD0.02

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #2: propylene



Original Peak Response = 377



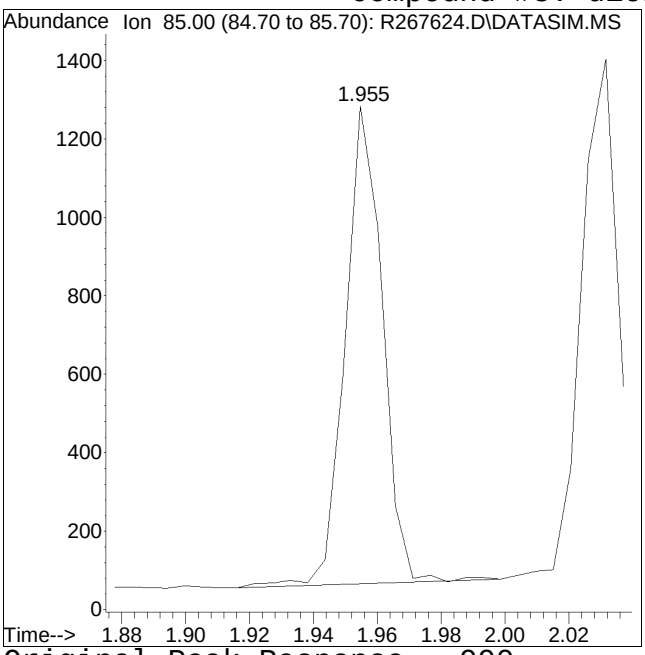
Manual Peak Response = 444 M4

M4 = Poor automated baseline construction.

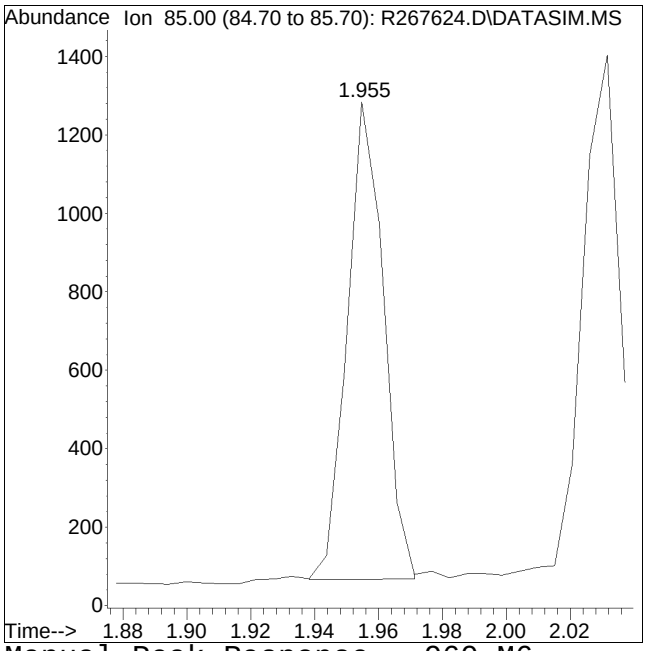
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #3: dichlorodifluoromethane



Original Peak Response = 990



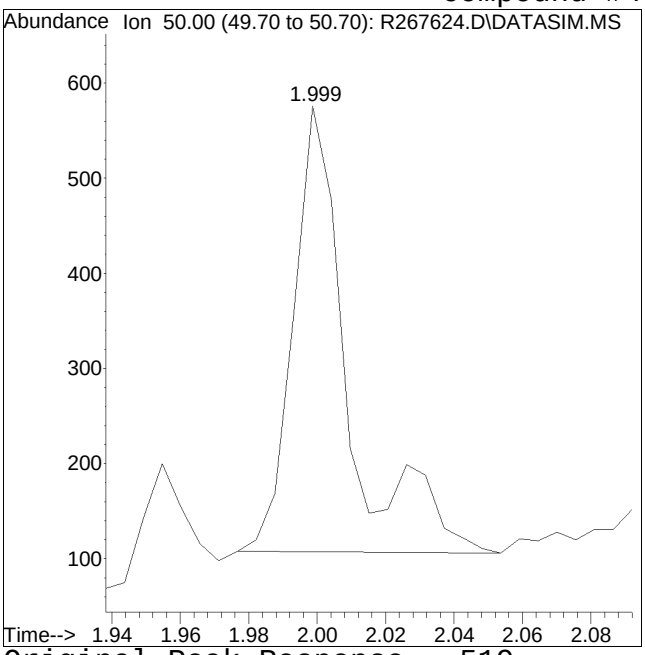
Manual Peak Response = 960 M6

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

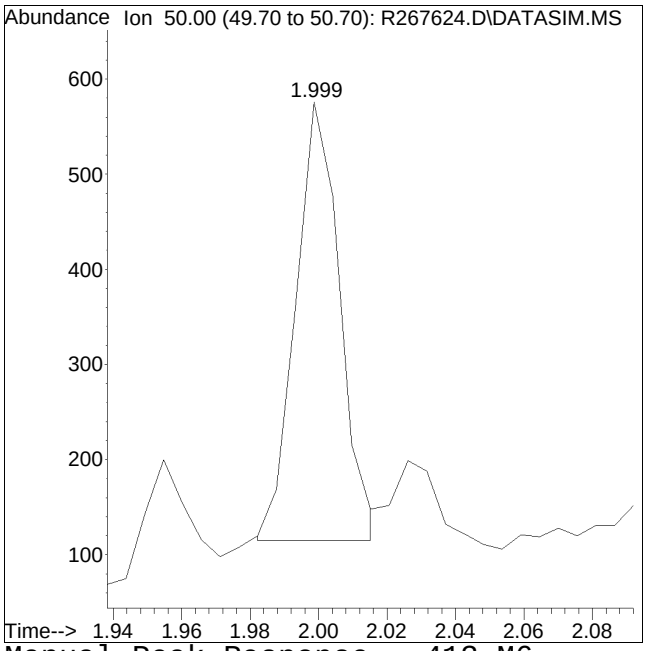
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 519



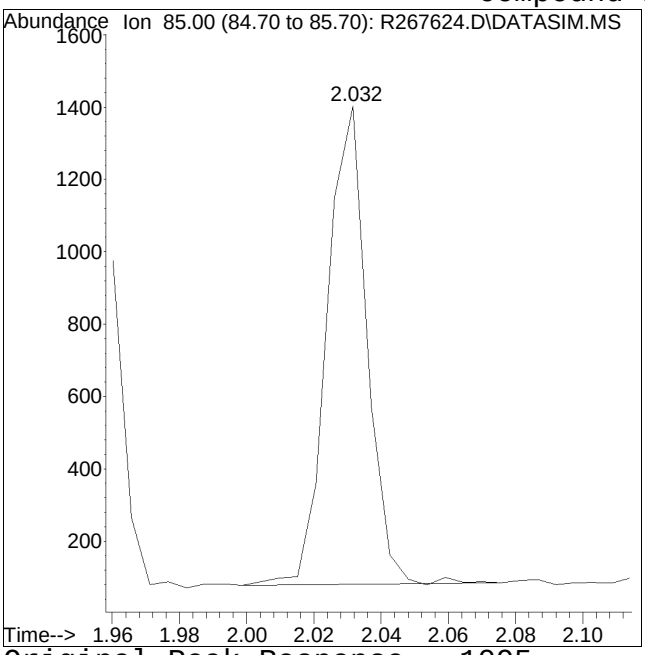
Manual Peak Response = 413 M6

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

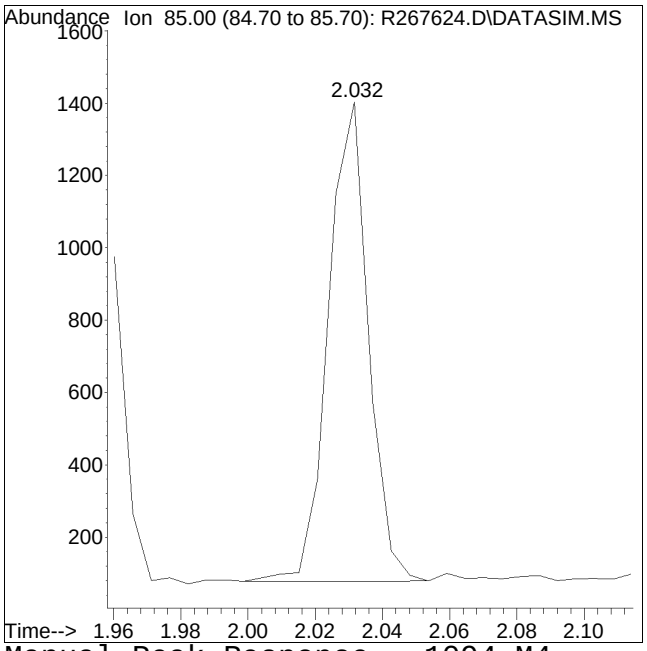
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #5: Freon-114



Original Peak Response = 1095



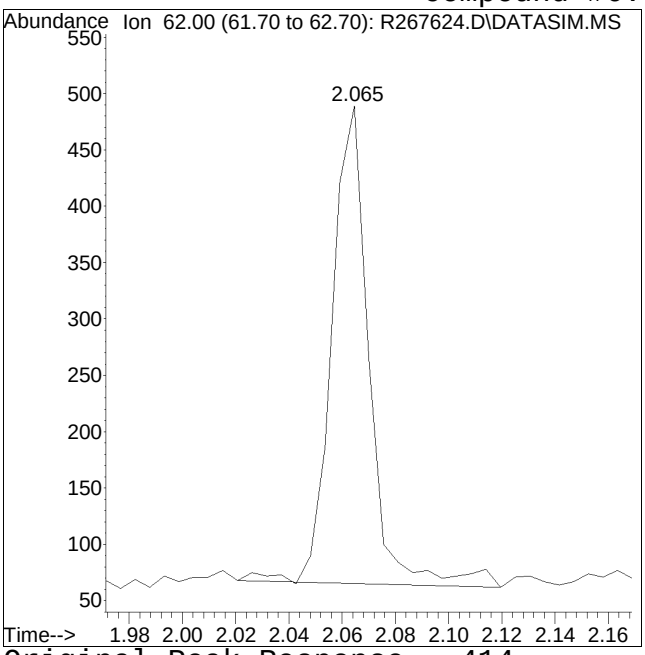
Manual Peak Response = 1094 M4

M4 = Poor automated baseline construction.

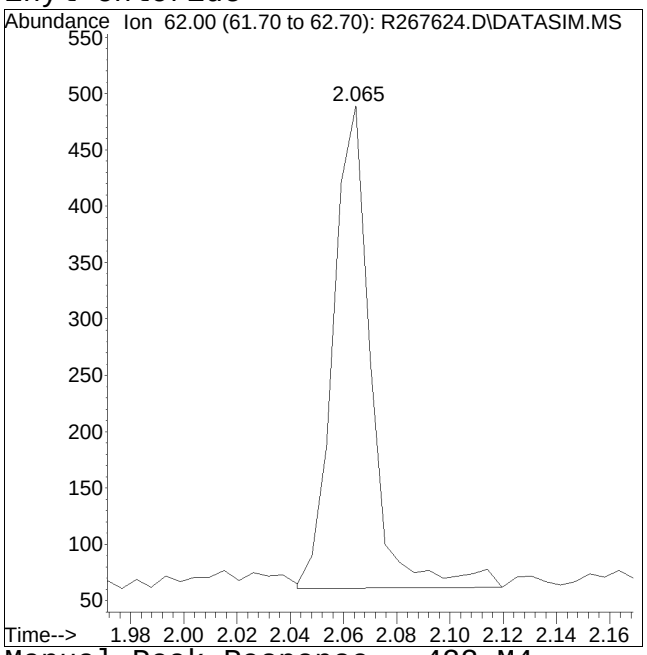
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #6: vinyl chloride



Original Peak Response = 414



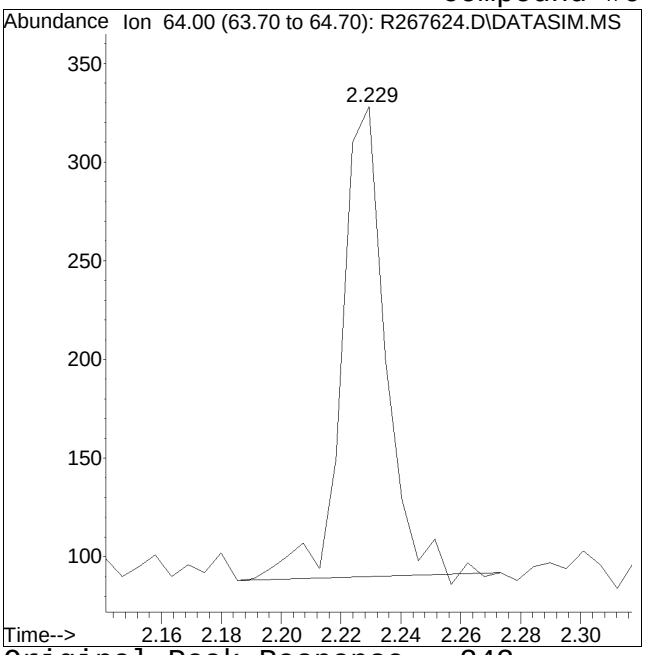
Manual Peak Response = 422 M4

M4 = Poor automated baseline construction.

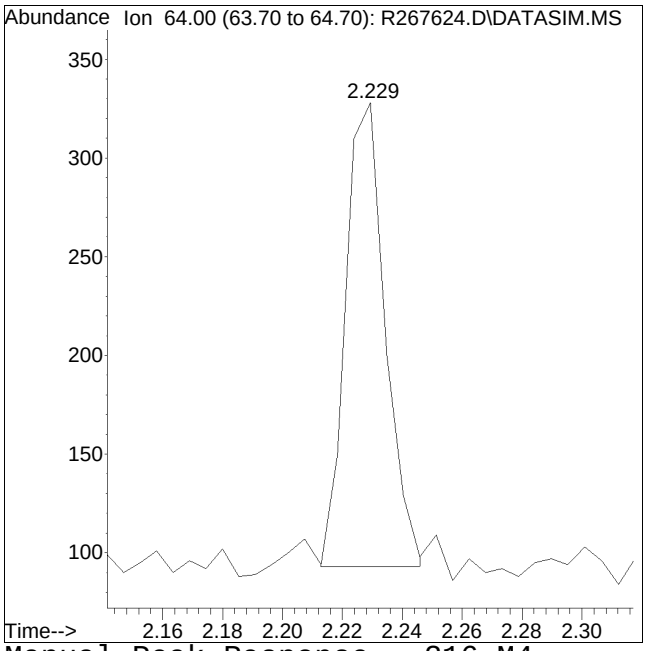
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #9: chloroethane



Original Peak Response = 242



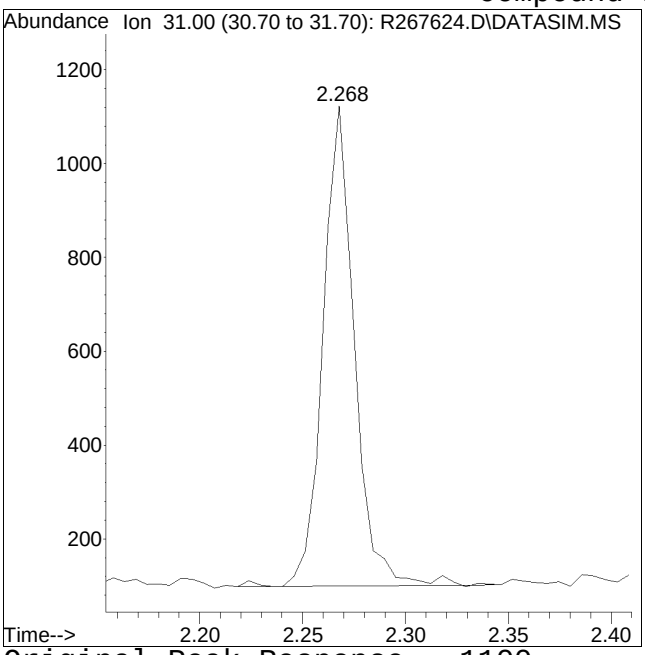
Manual Peak Response = 216 M4

M4 = Poor automated baseline construction.

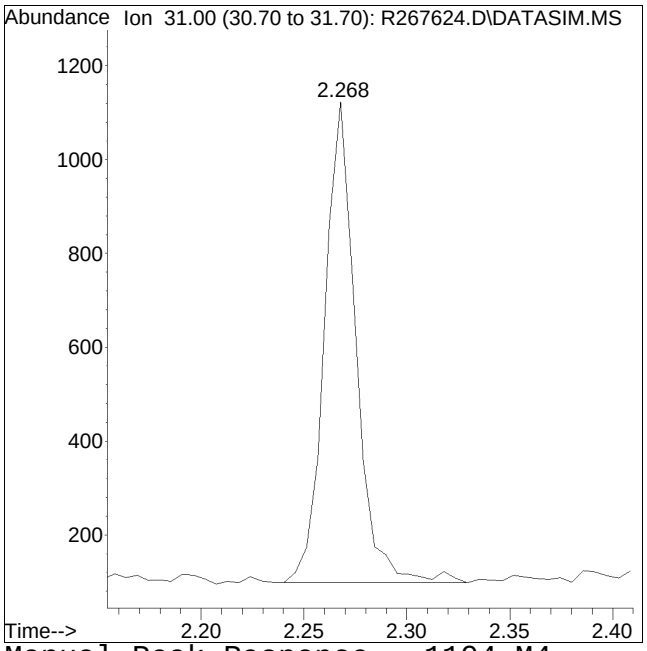
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #10: ethanol



Original Peak Response = 1100



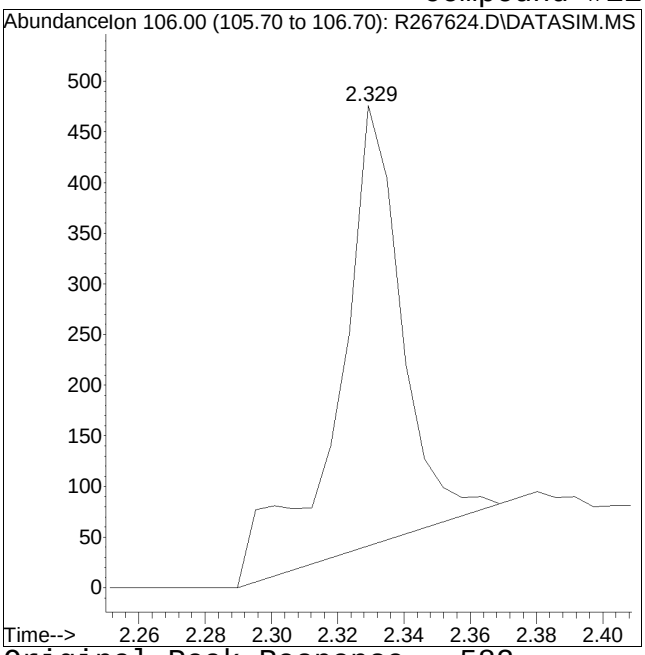
Manual Peak Response = 1104 M4

M4 = Poor automated baseline construction.

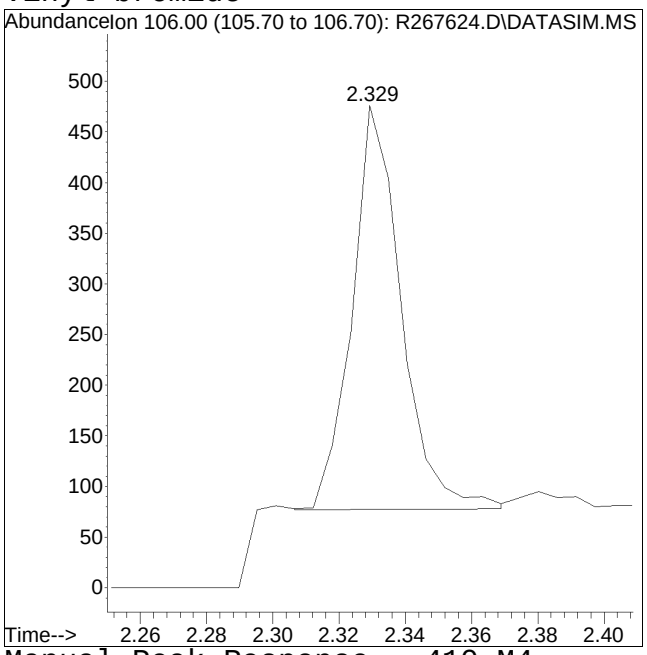
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #11: vinyl bromide



Original Peak Response = 582



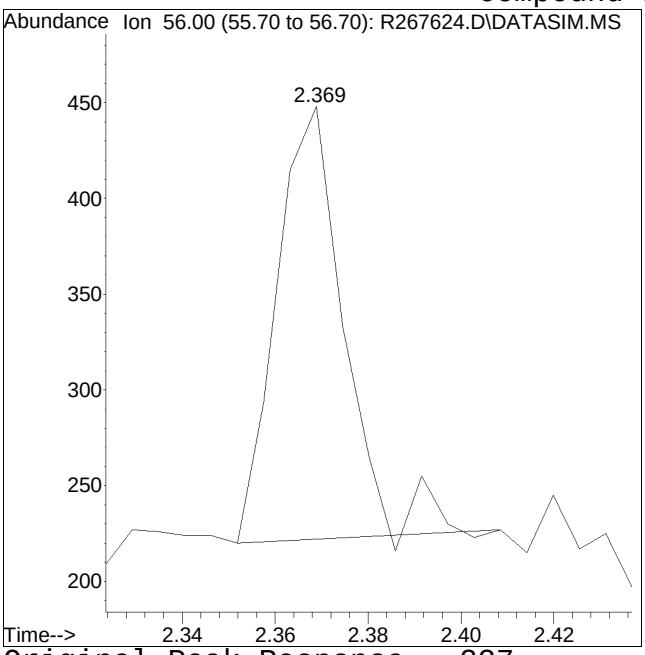
Manual Peak Response = 410 M4

M4 = Poor automated baseline construction.

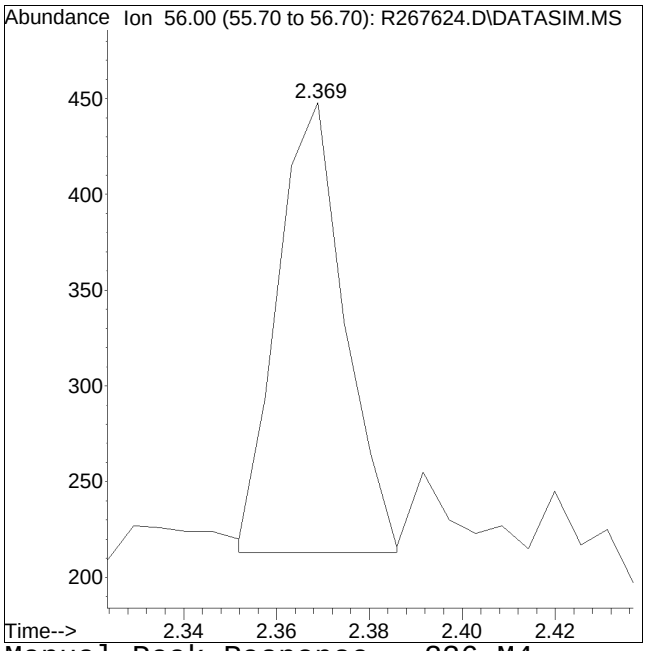
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #12: acrolein



Original Peak Response = 227



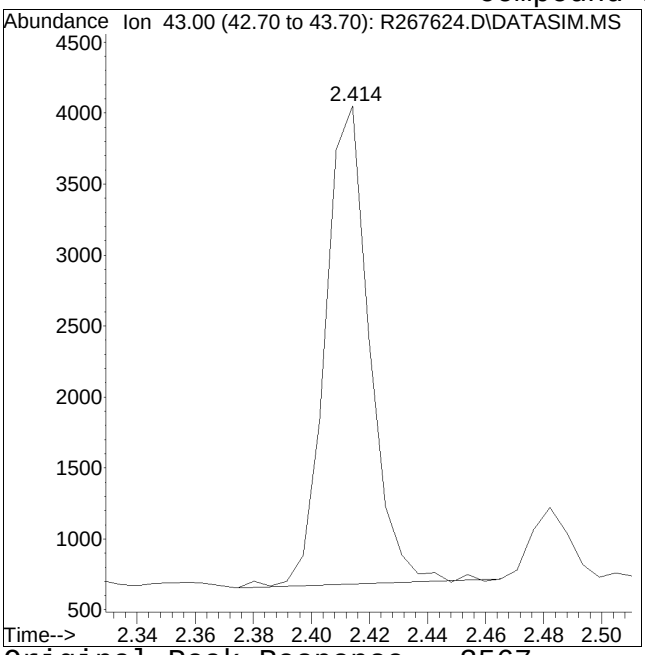
Manual Peak Response = 236 M4

M4 = Poor automated baseline construction.

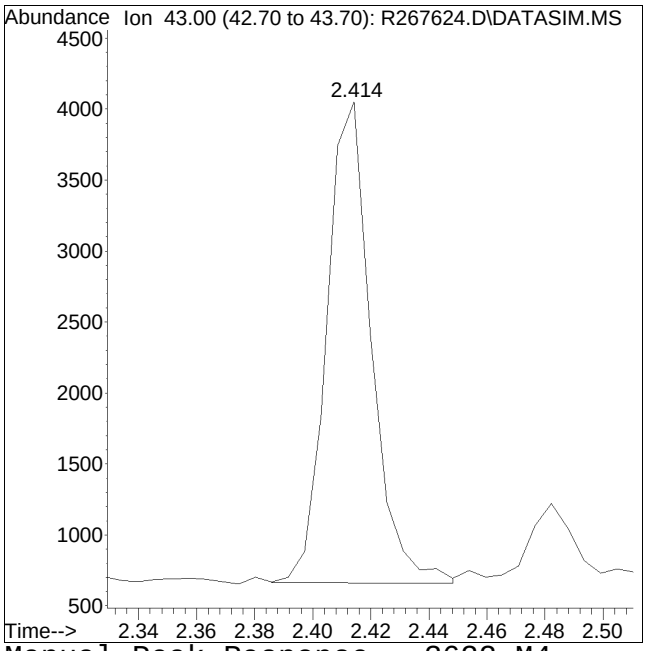
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #13: acetone



Original Peak Response = 3567



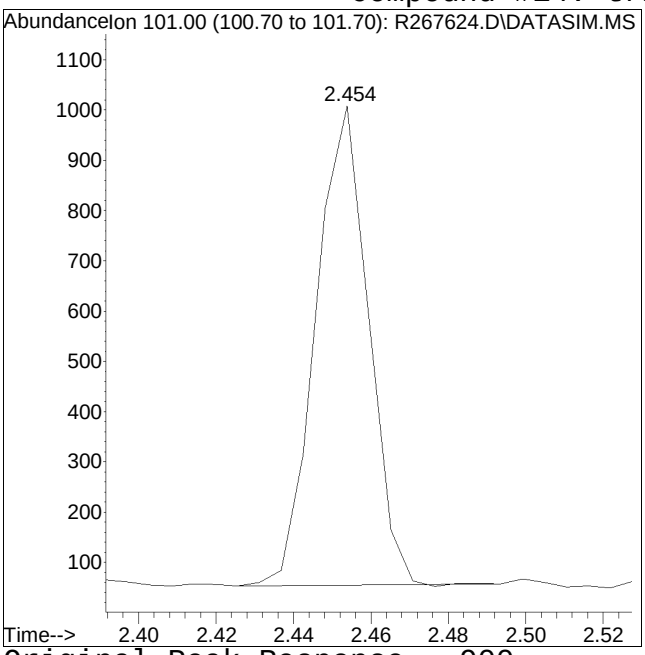
Manual Peak Response = 3622 M4

M4 = Poor automated baseline construction.

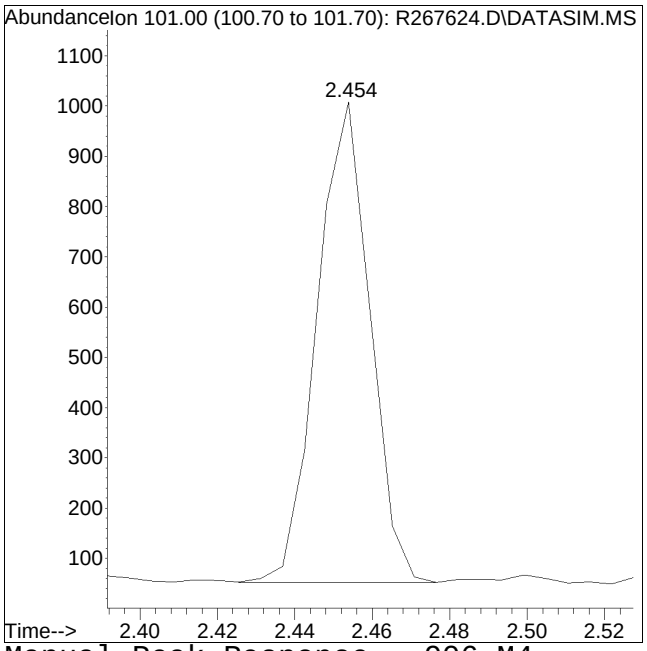
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #14: trichlorofluoromethane



Original Peak Response = 900



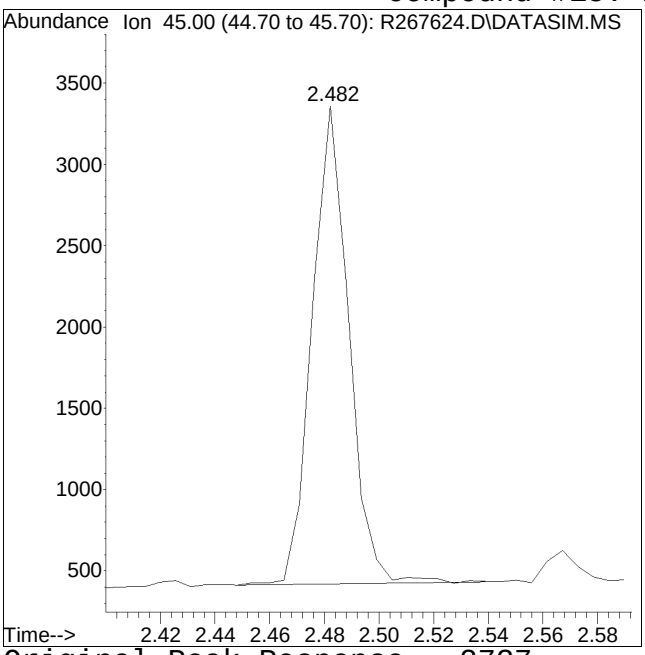
Manual Peak Response = 906 M4

M4 = Poor automated baseline construction.

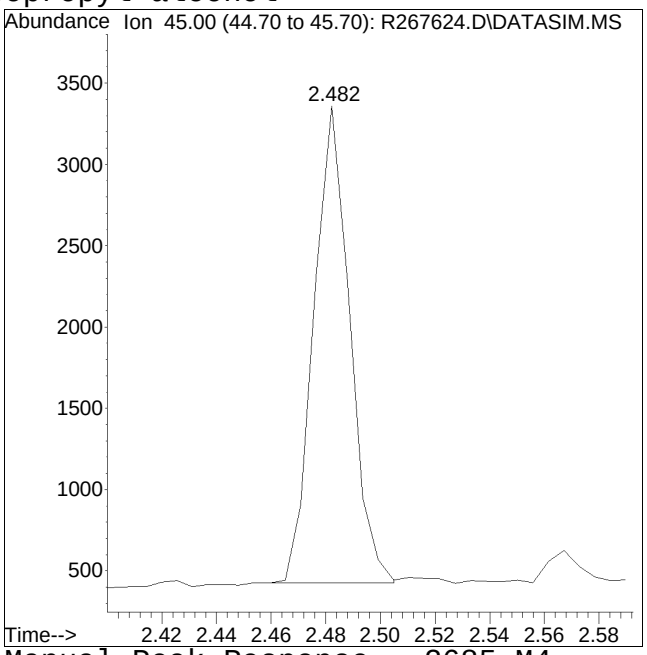
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #15: isopropyl alcohol



Original Peak Response = 2737



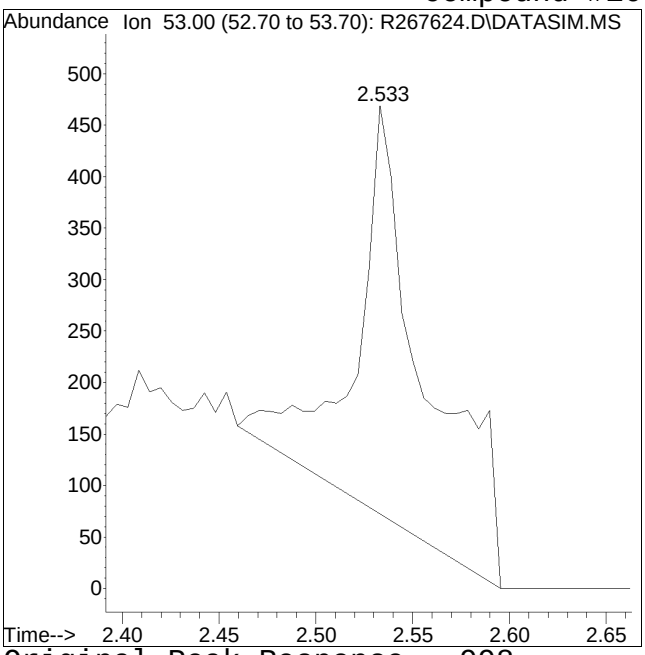
Manual Peak Response = 2685 M4

M4 = Poor automated baseline construction.

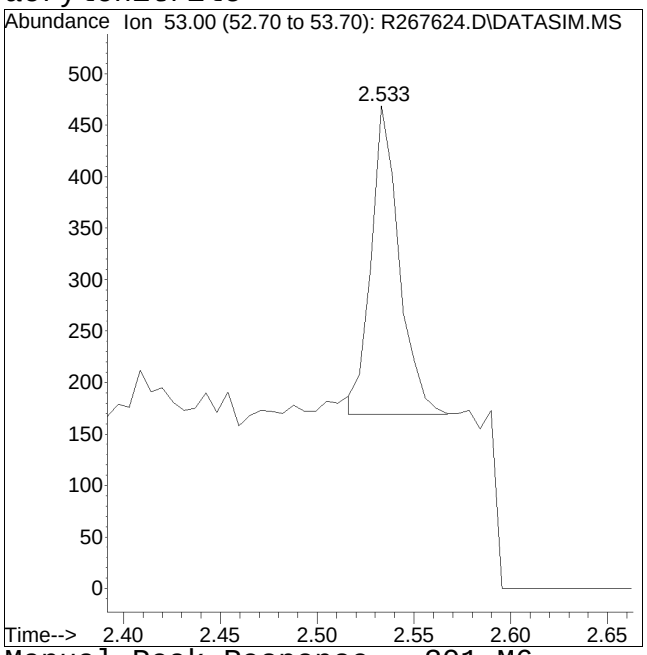
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #16: acrylonitrile



Original Peak Response = 998



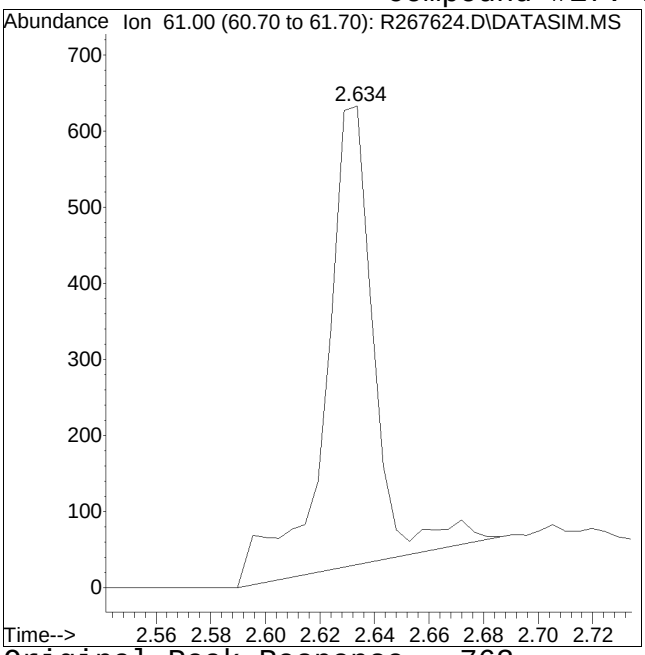
Manual Peak Response = 301 M6

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

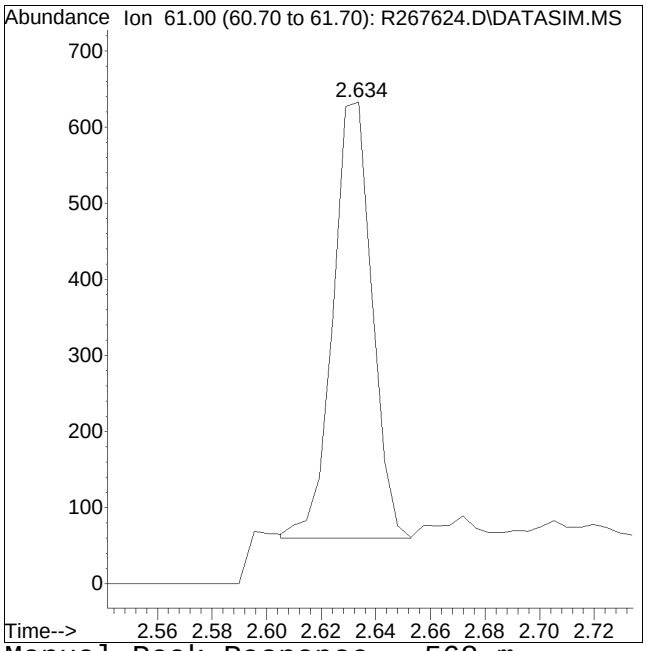
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 763

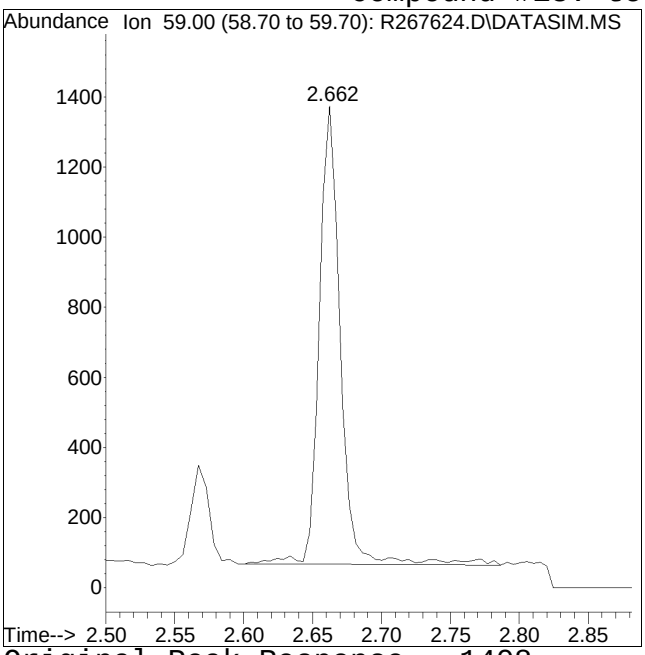


Manual Peak Response = 568 m

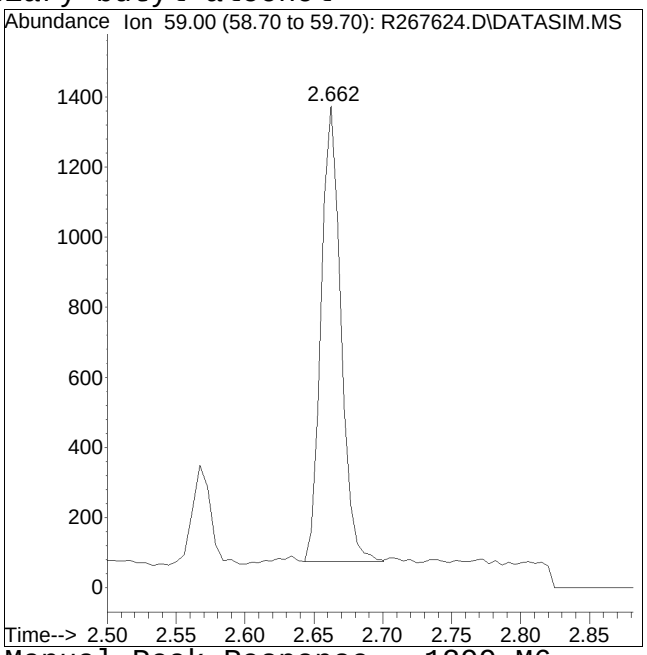
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #18: tertiary butyl alcohol



Original Peak Response = 1408



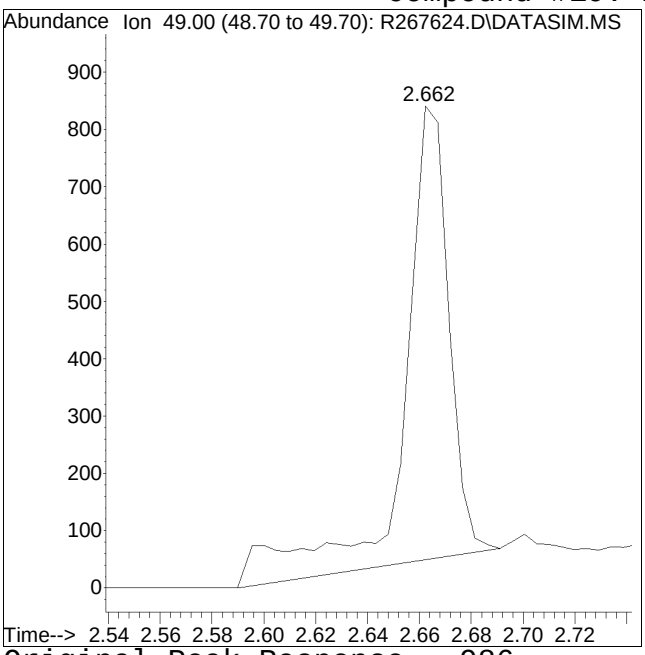
Manual Peak Response = 1299 M6

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

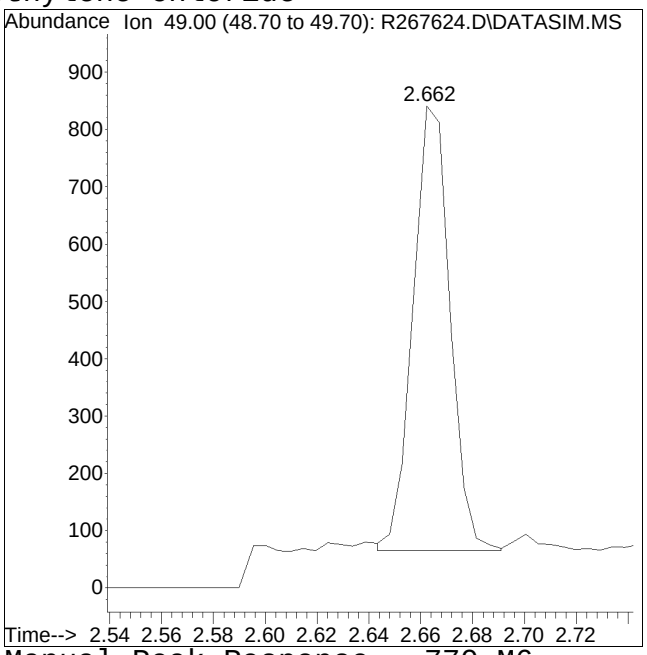
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #19: methylene chloride



Original Peak Response = 986



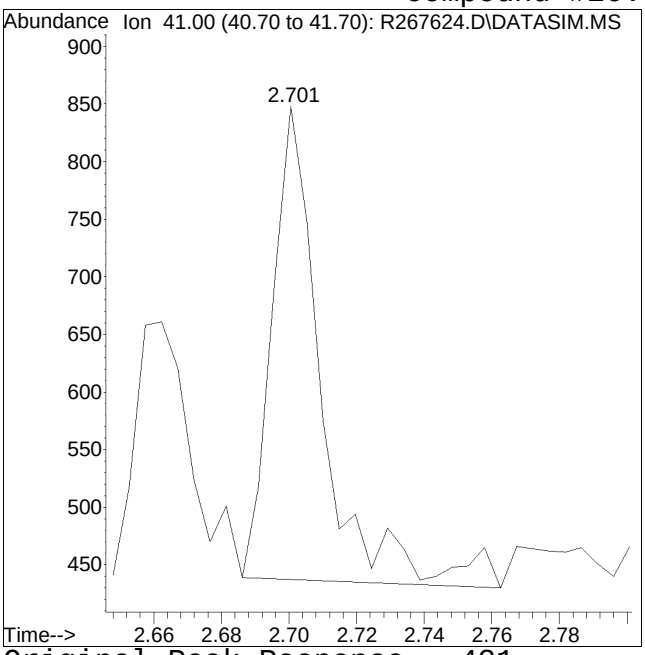
Manual Peak Response = 770 M6

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

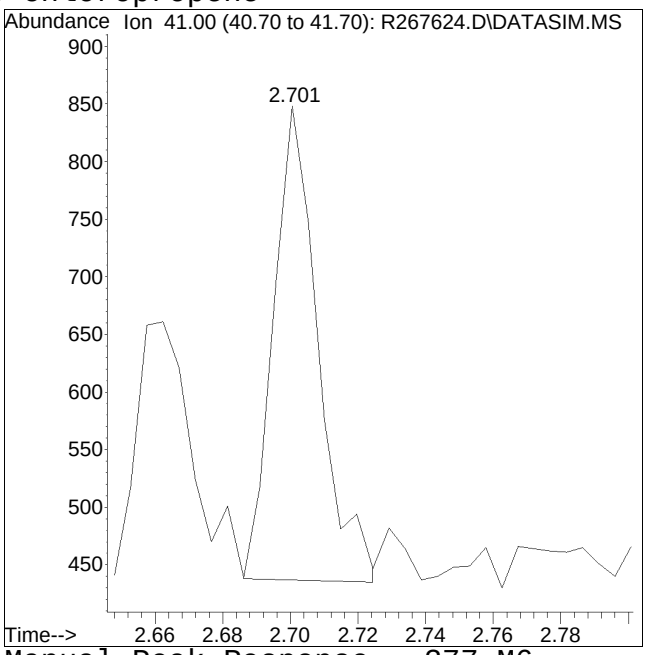
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #20: 3-chloropropene



Original Peak Response = 421



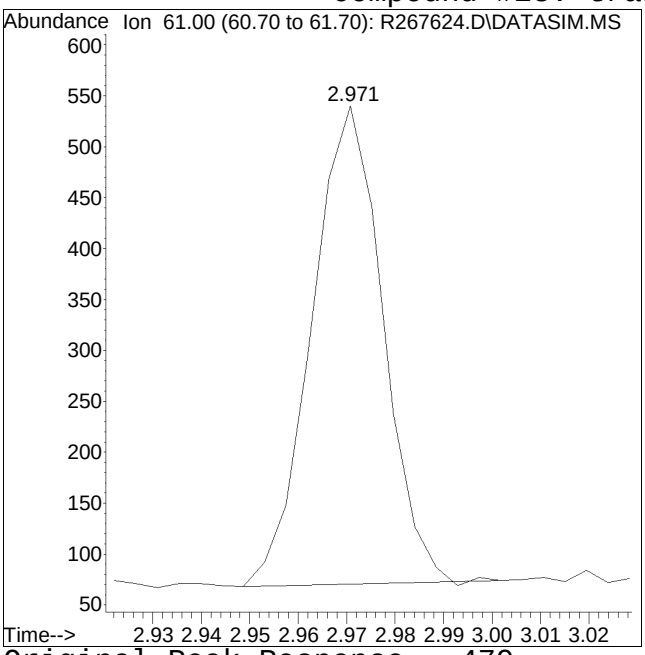
Manual Peak Response = 377 M6

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

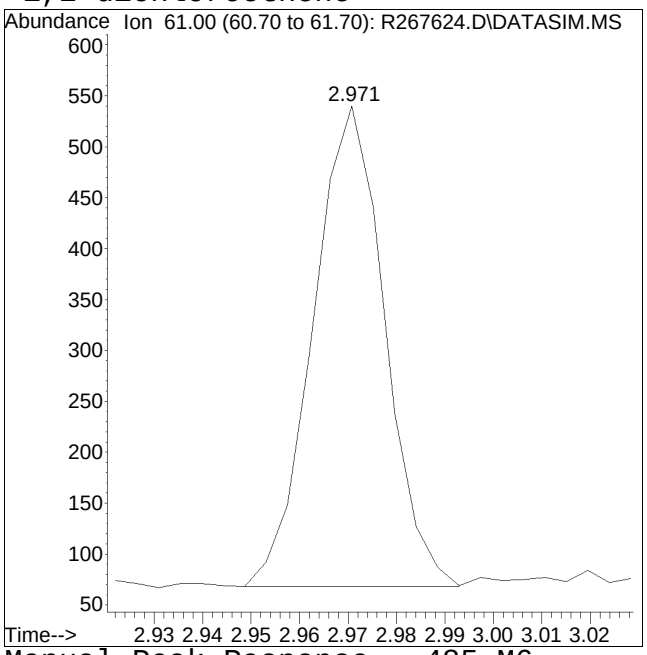
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #23: trans-1,2-dichloroethene



Original Peak Response = 479



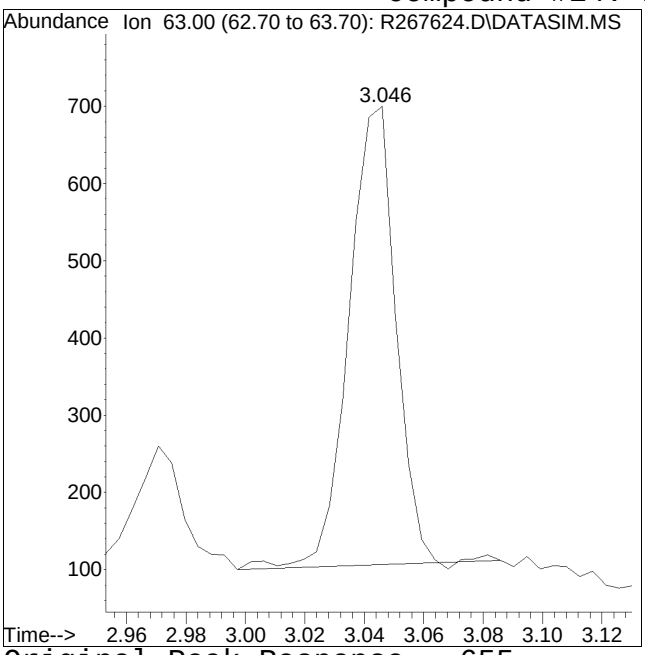
Manual Peak Response = 485 M6

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

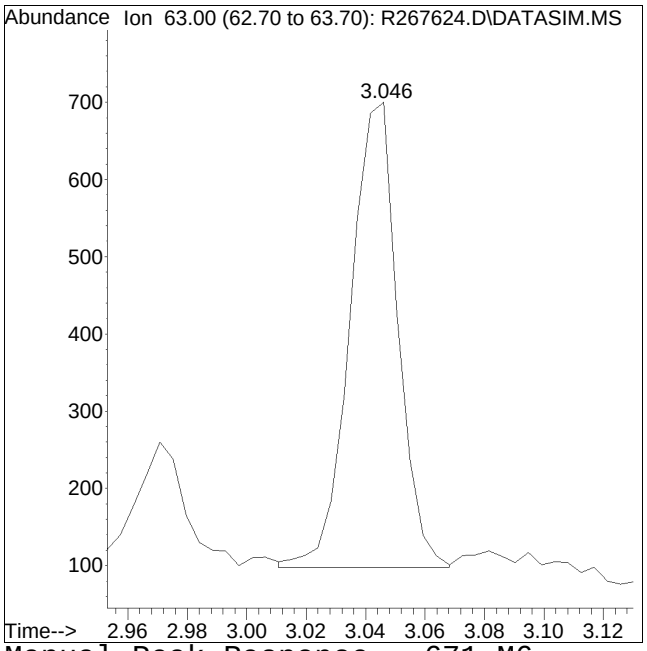
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #24: 1,1-dichloroethane



Original Peak Response = 655



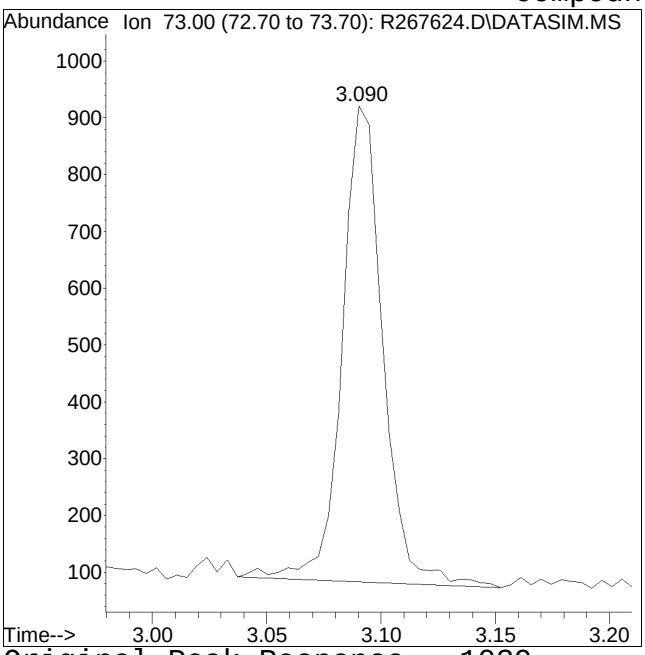
Manual Peak Response = 671 M6

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

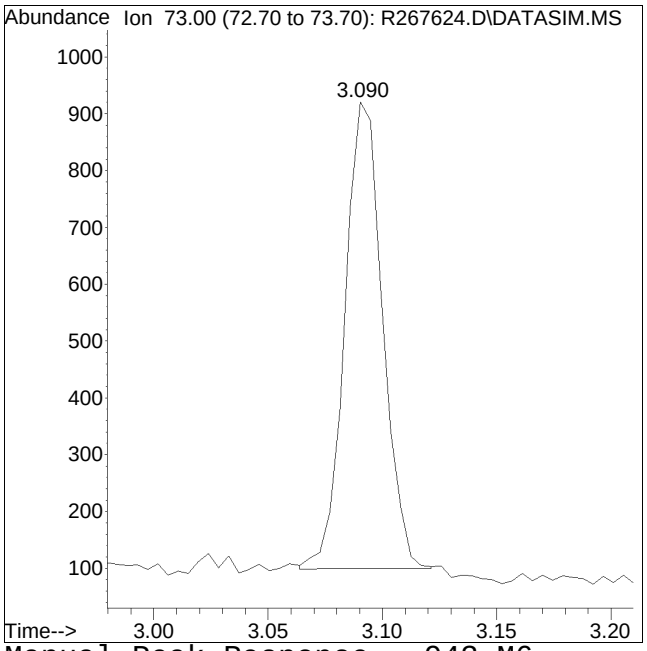
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #25: MTBE



Original Peak Response = 1039



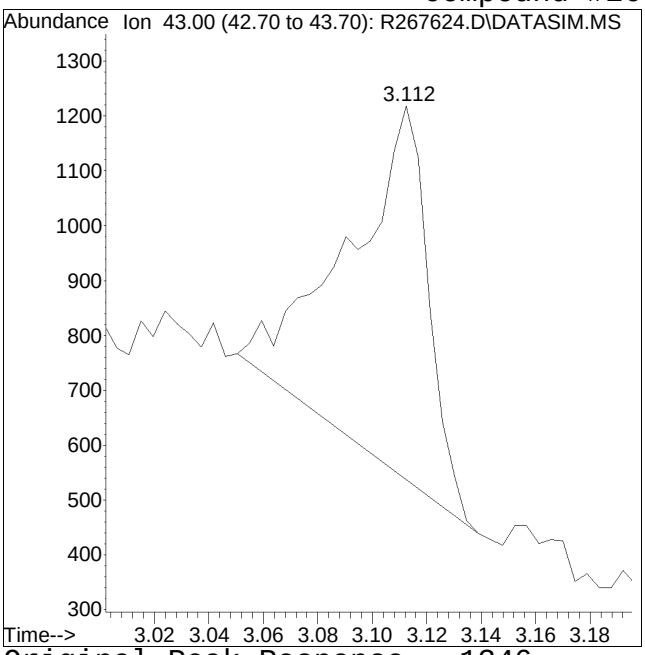
Manual Peak Response = 943 M6

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

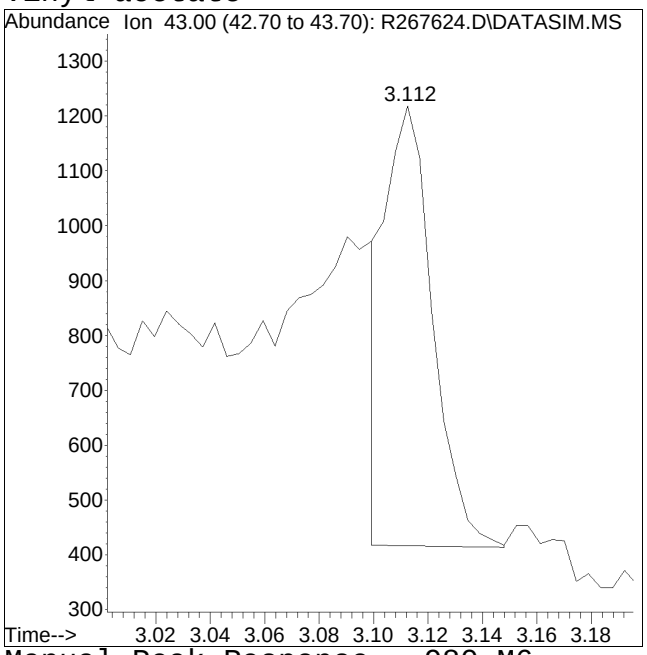
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 1346



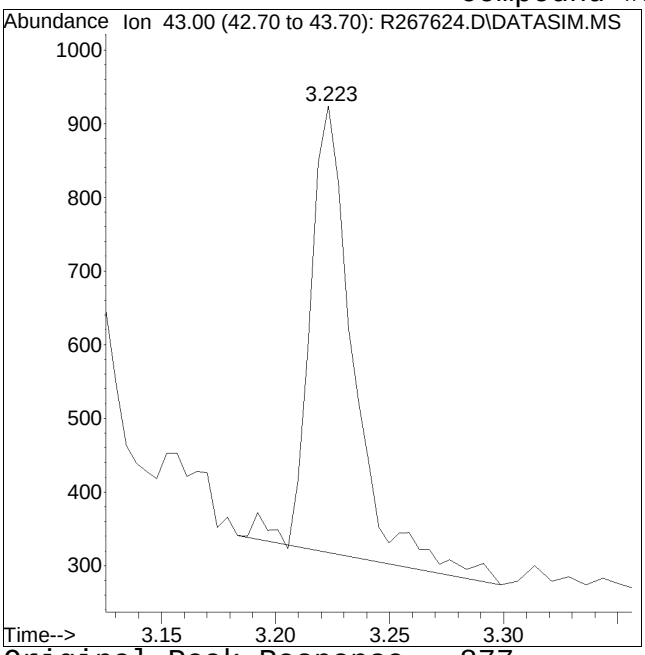
Manual Peak Response = 980 M6

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

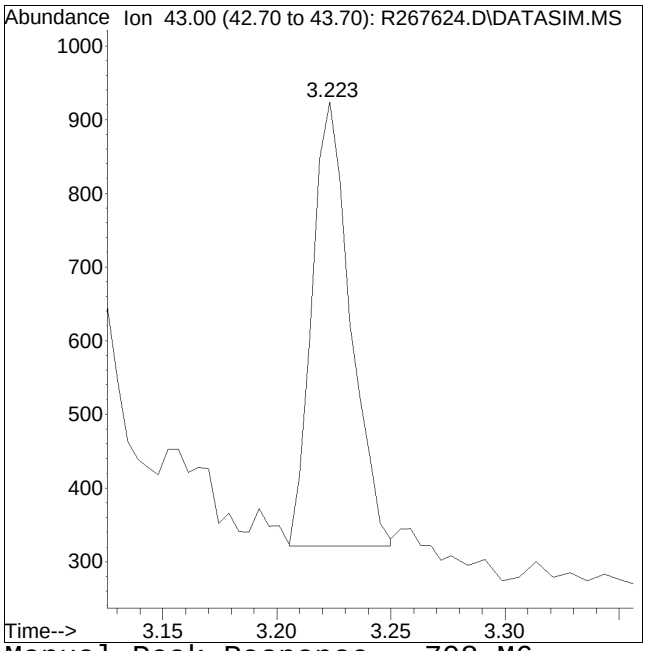
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #27: 2-butanone



Original Peak Response = 877



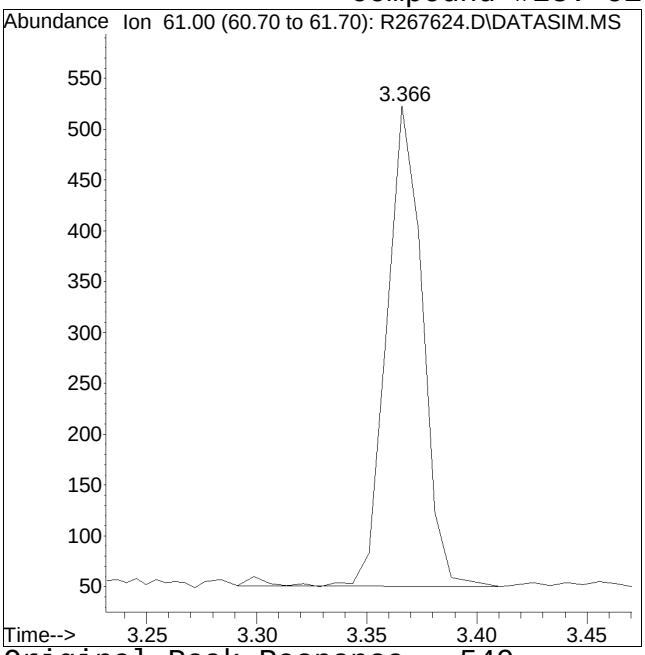
Manual Peak Response = 708 M6

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

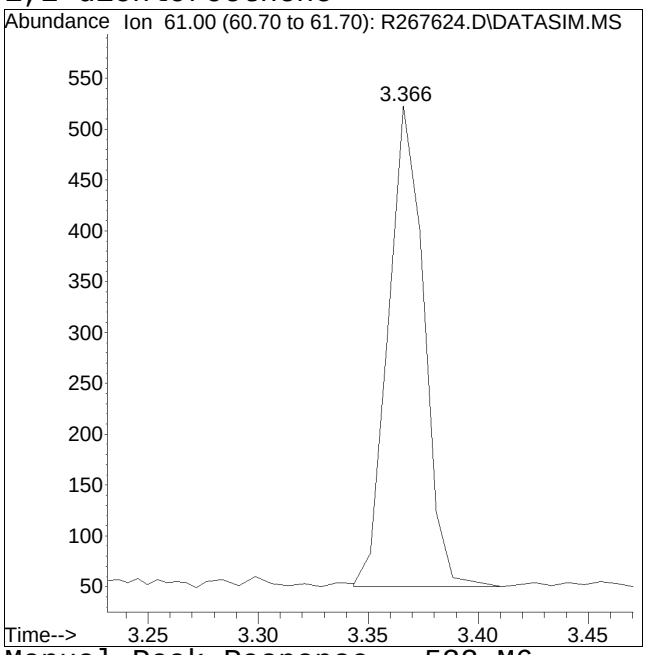
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 540



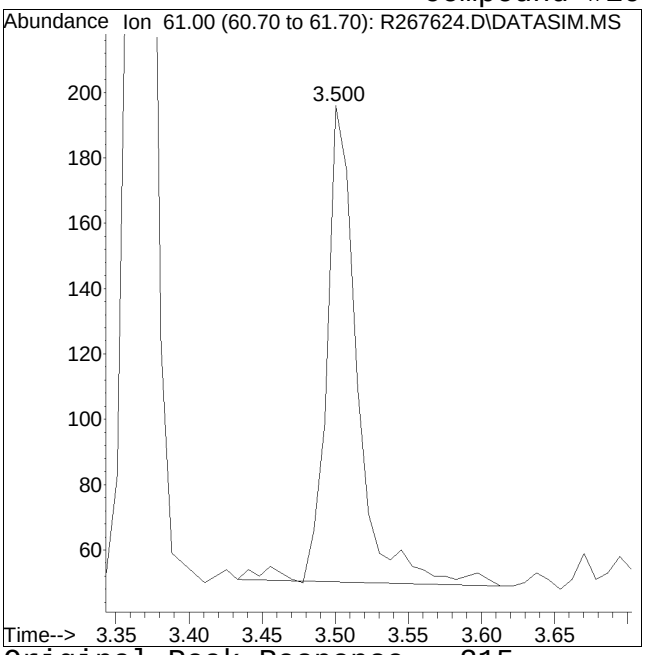
Manual Peak Response = 532 M6

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

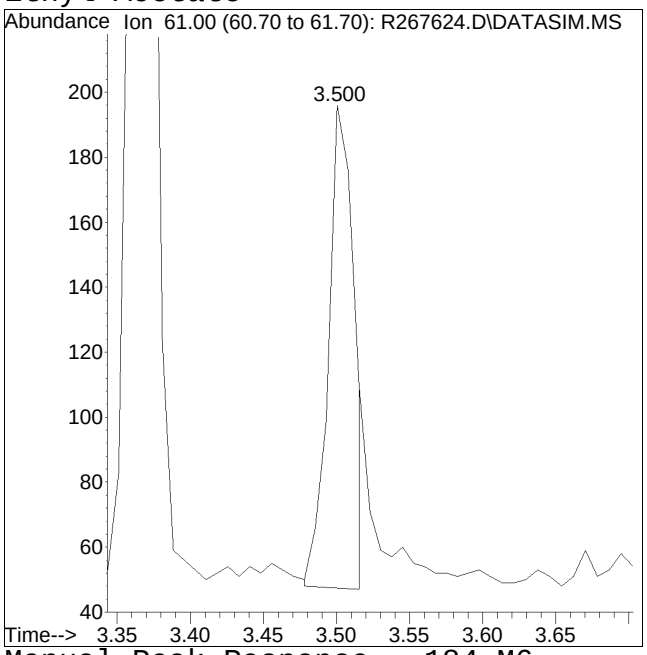
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 215



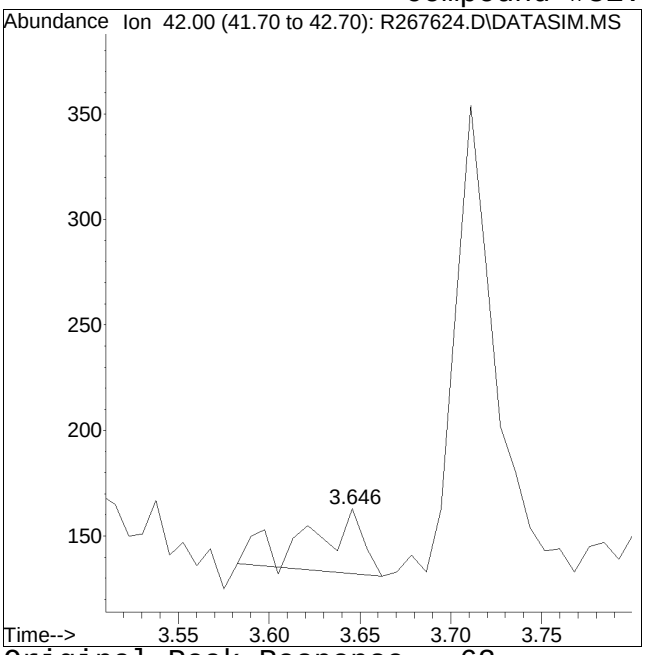
Manual Peak Response = 184 M6

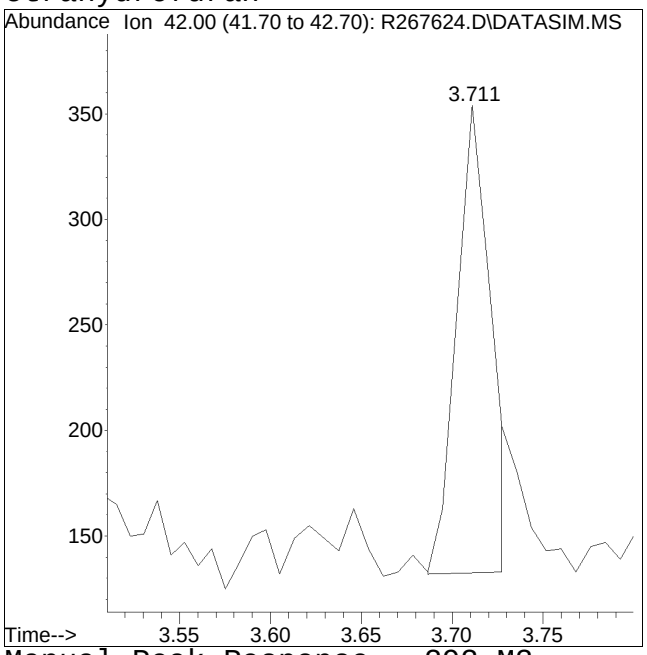
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran





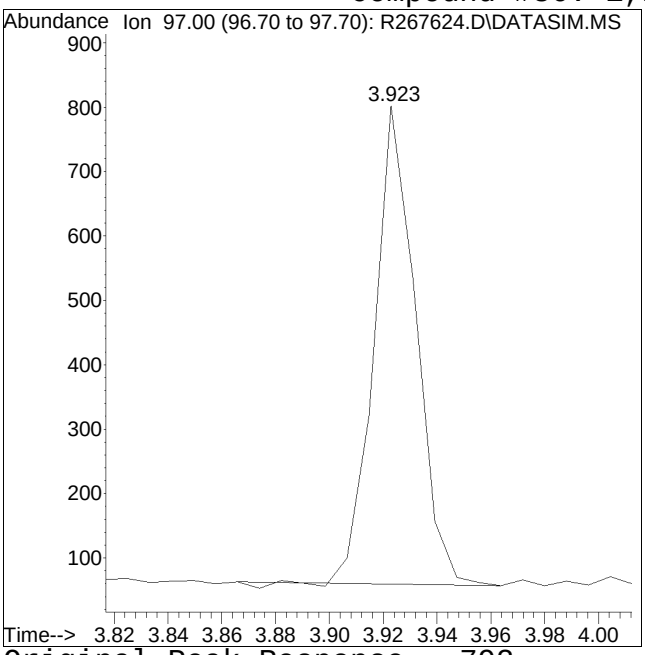
Original Peak Response = 62 Manual Peak Response = 292 M3

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.

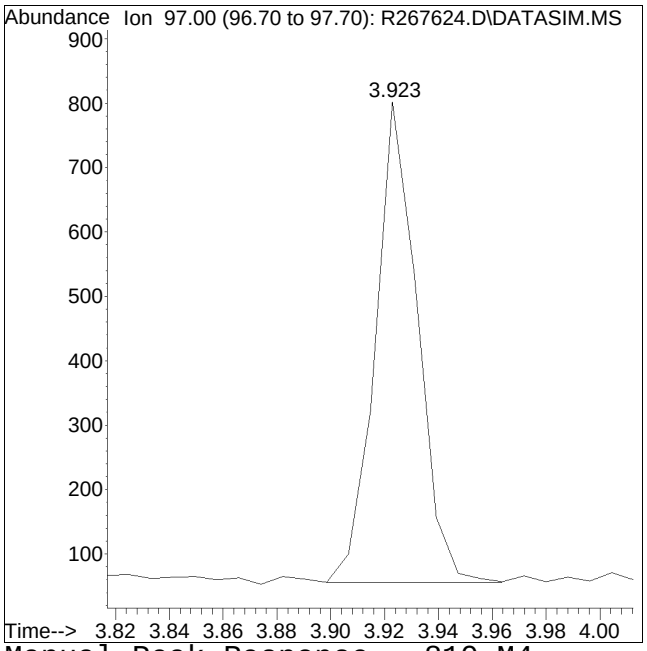
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #36: 1,1,1-trichloroethane



Original Peak Response = 792



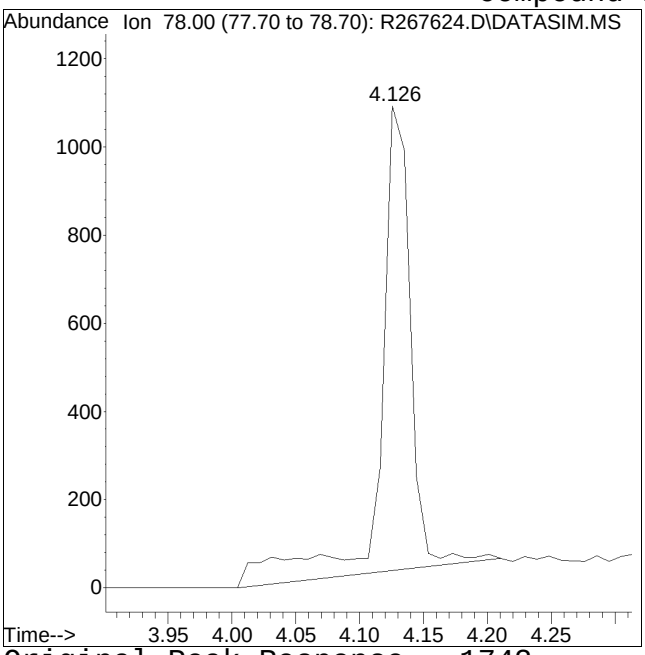
Manual Peak Response = 810 M4

M4 = Poor automated baseline construction.

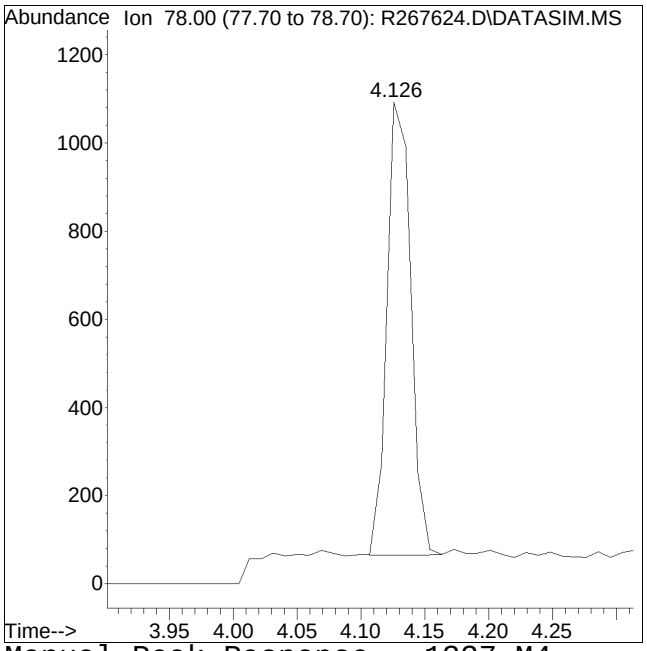
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #37: benzene



Original Peak Response = 1742



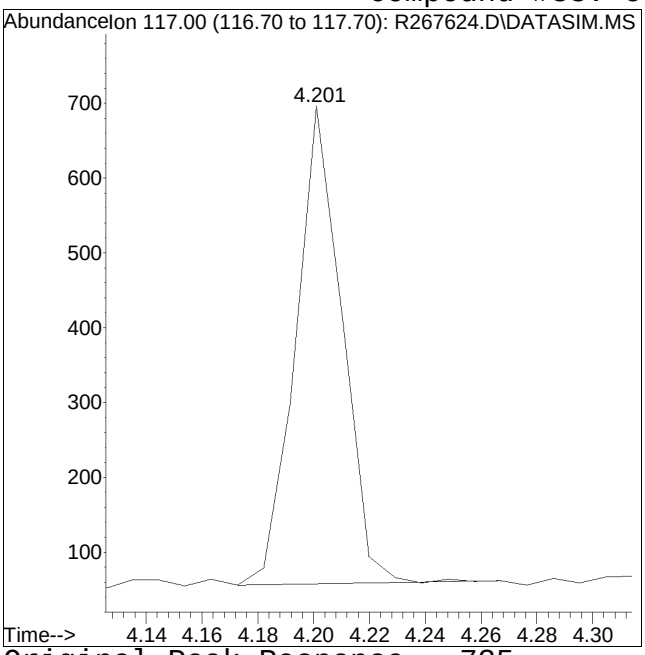
Manual Peak Response = 1337 M4

M4 = Poor automated baseline construction.

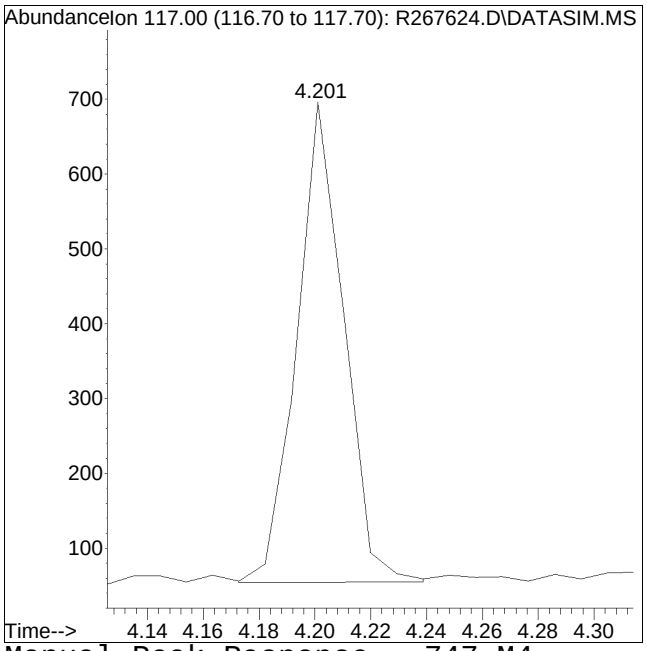
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #38: carbon tetrachloride



Original Peak Response = 735



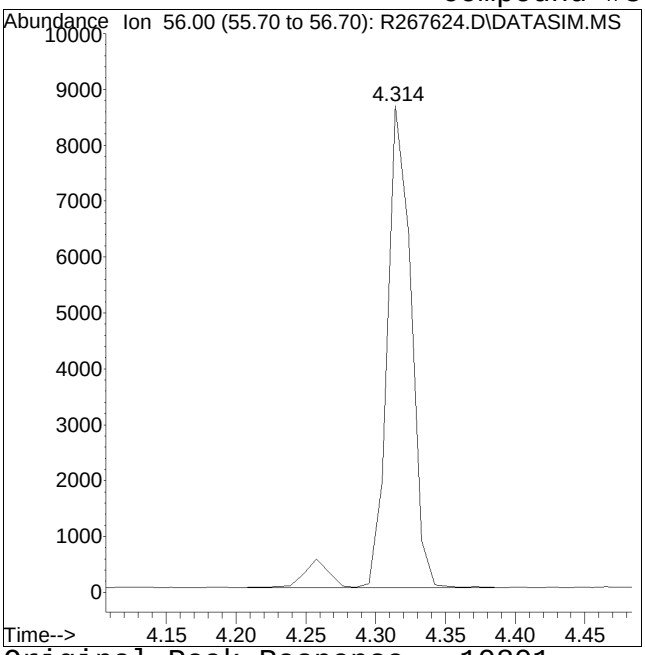
Manual Peak Response = 747 M4

M4 = Poor automated baseline construction.

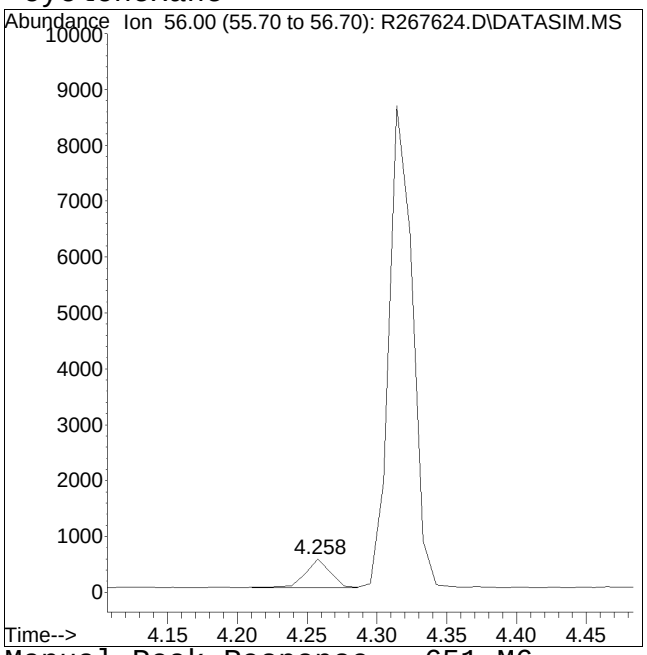
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #39: cyclohexane



Original Peak Response = 10801



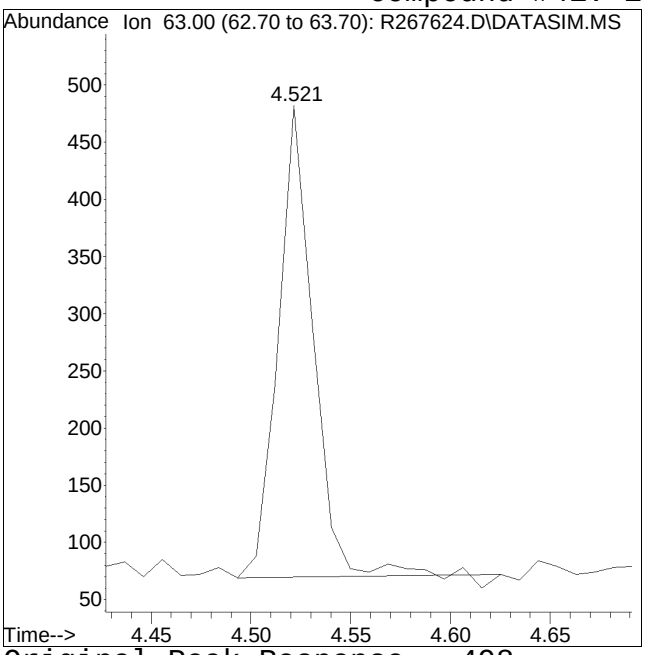
Manual Peak Response = 651 M6

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

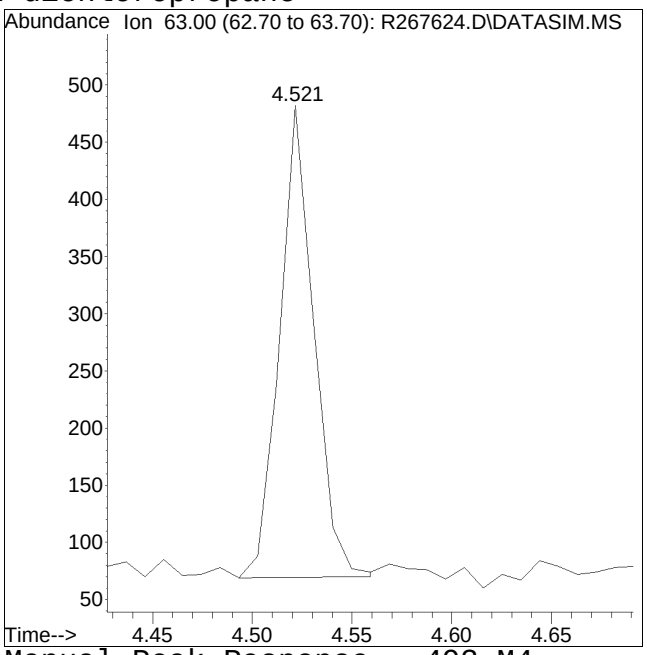
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #41: 1,2-dichloropropane



Original Peak Response = 498



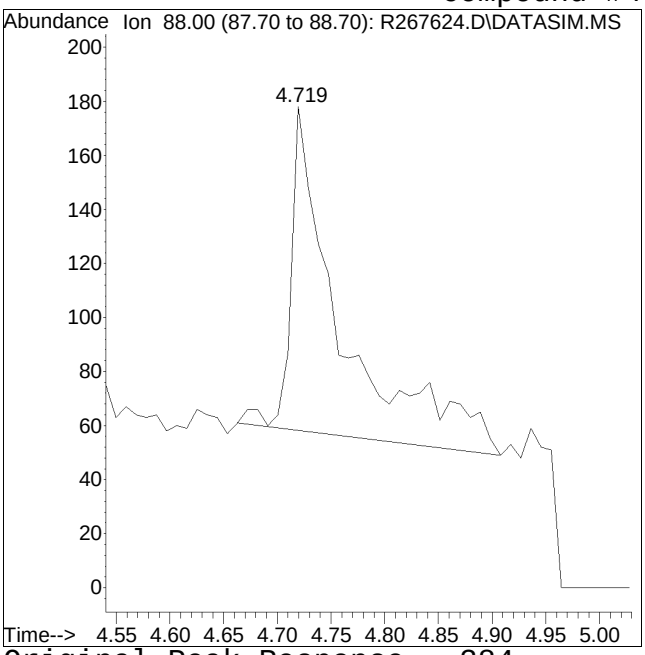
Manual Peak Response = 493 M4

M4 = Poor automated baseline construction.

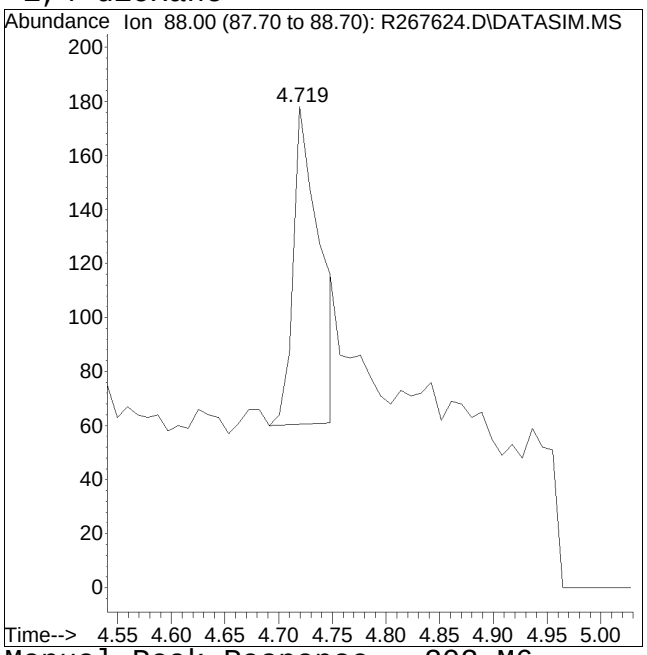
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #43: 1,4-dioxane



Original Peak Response = 384



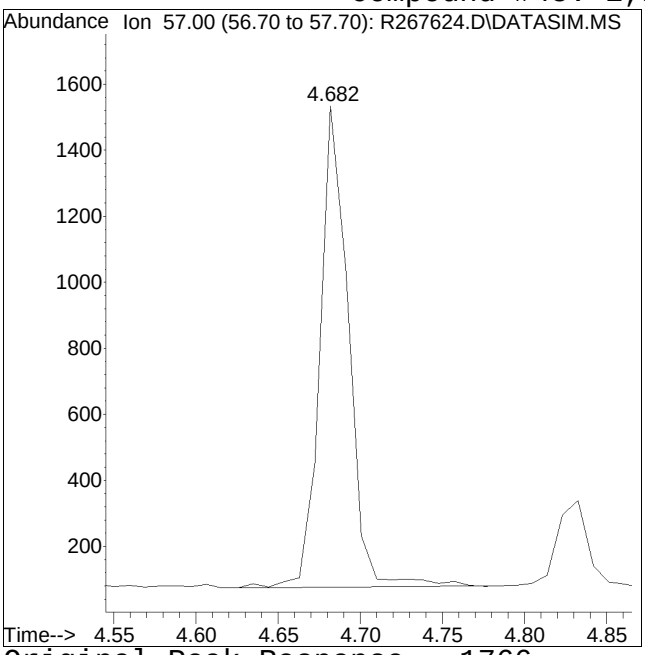
Manual Peak Response = 202 M6

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

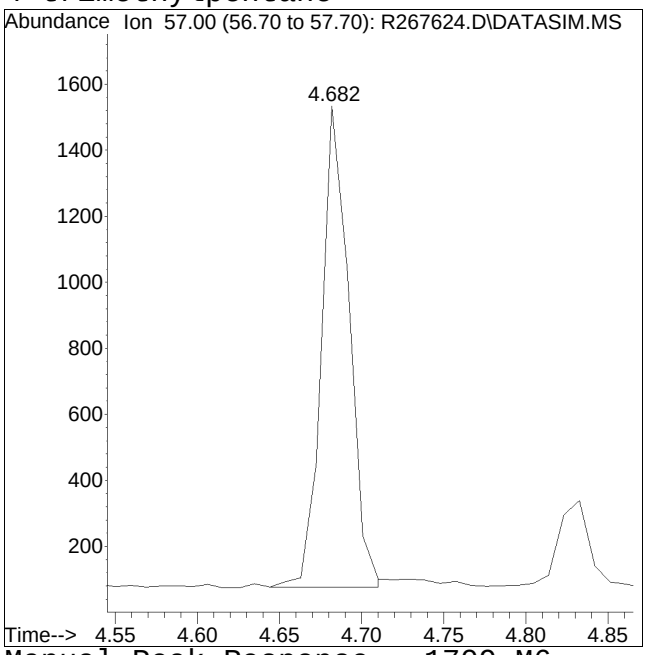
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #45: 2,2,4-trimethylpentane



Original Peak Response = 1766



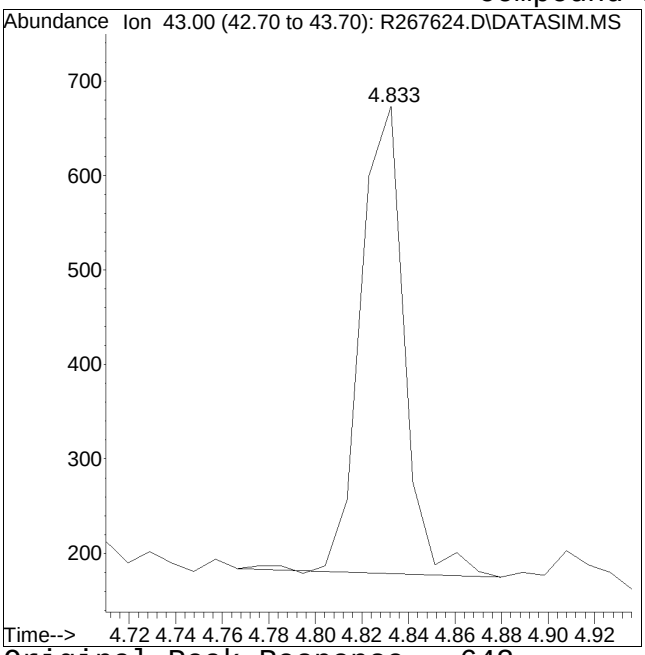
Manual Peak Response = 1709 M6

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

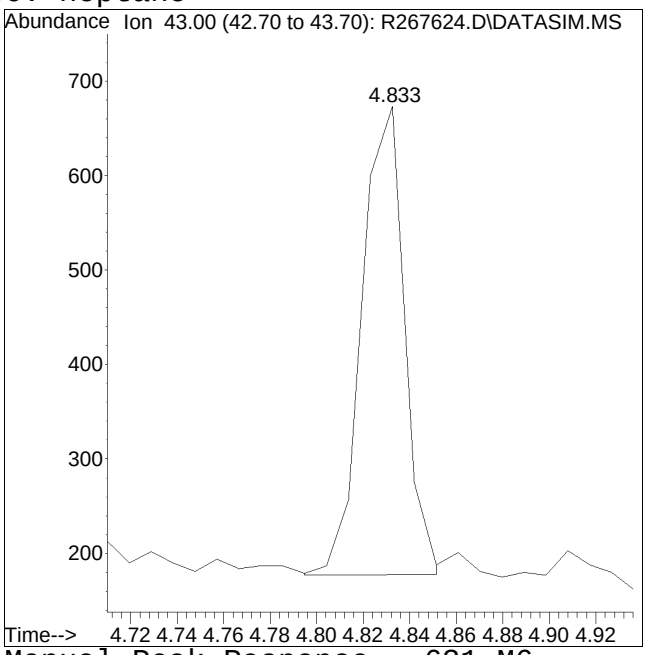
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #46: heptane



Original Peak Response = 642



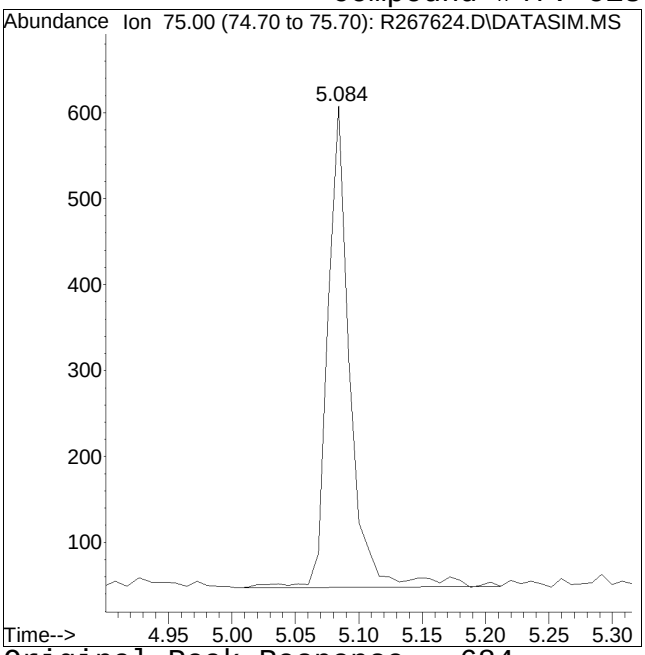
Manual Peak Response = 631 M6

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

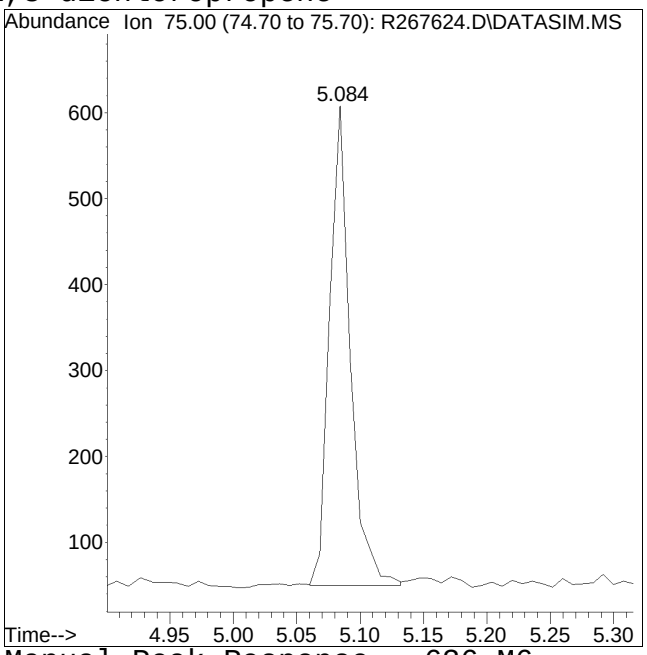
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #47: cis-1,3-dichloropropene



Original Peak Response = 684



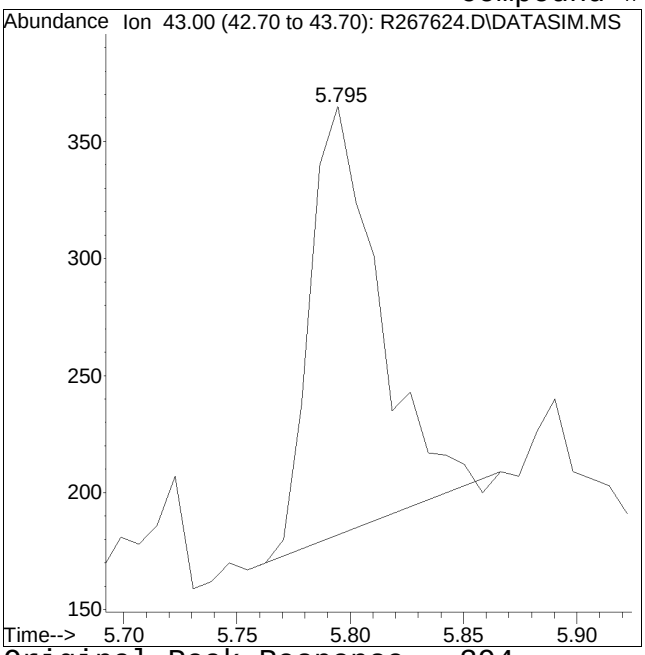
Manual Peak Response = 636 M6

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

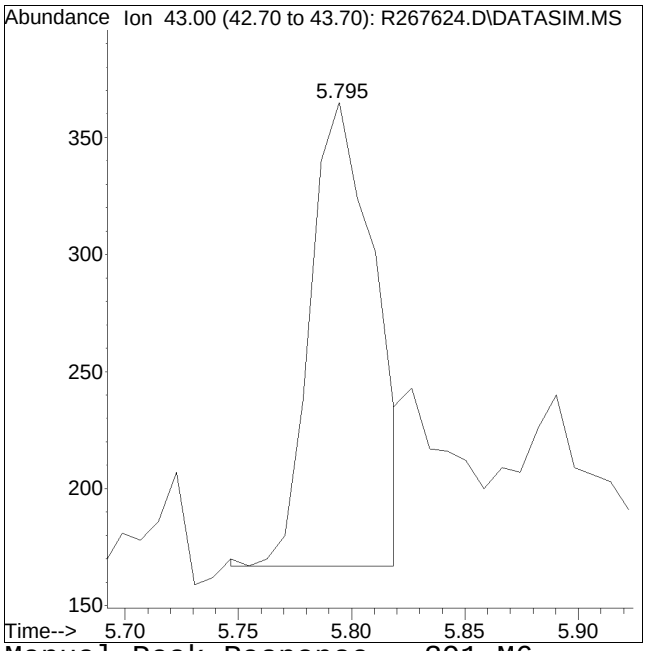
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #54: 2-hexanone



Original Peak Response = 394



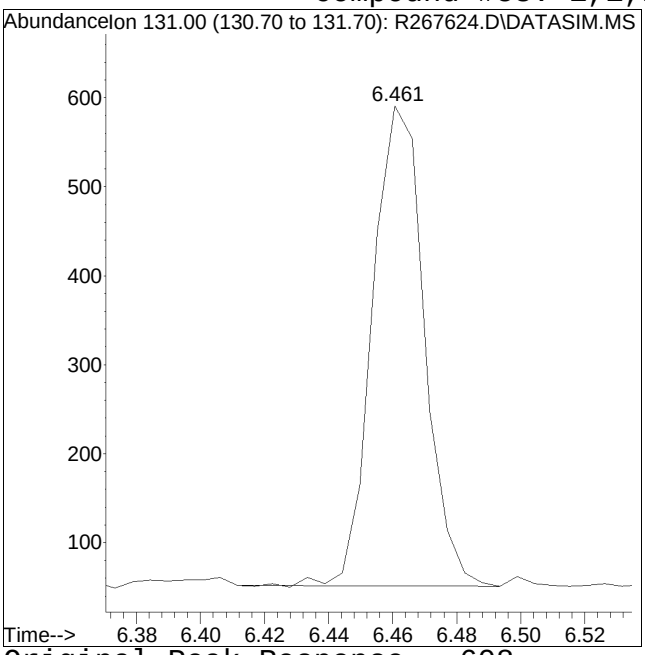
Manual Peak Response = 391 M6

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

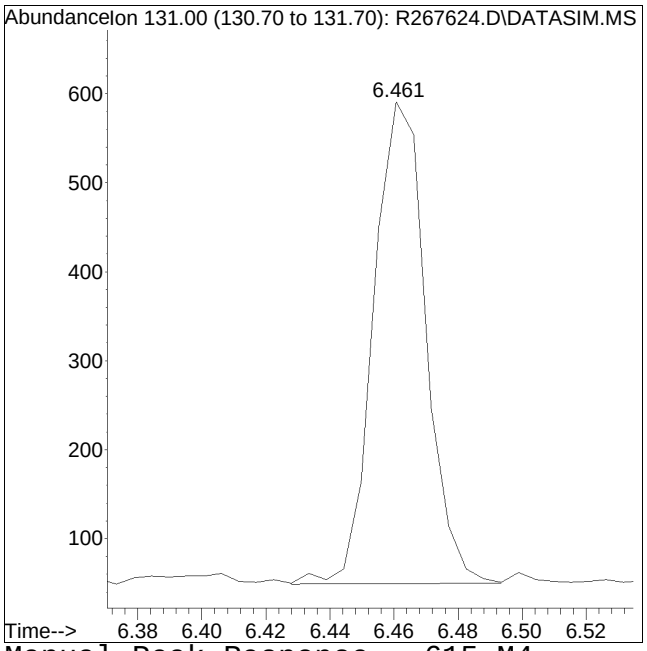
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #58: 1,1,1,2-tetrachloroethane



Original Peak Response = 608



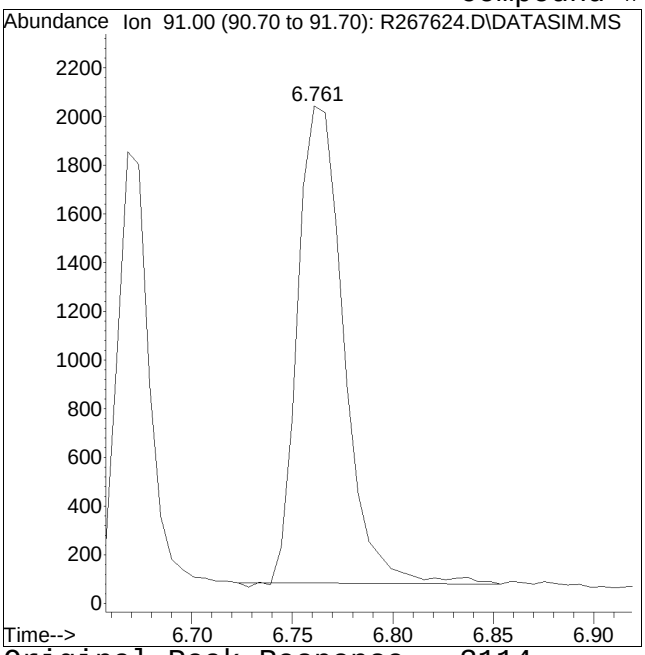
Manual Peak Response = 615 M4

M4 = Poor automated baseline construction.

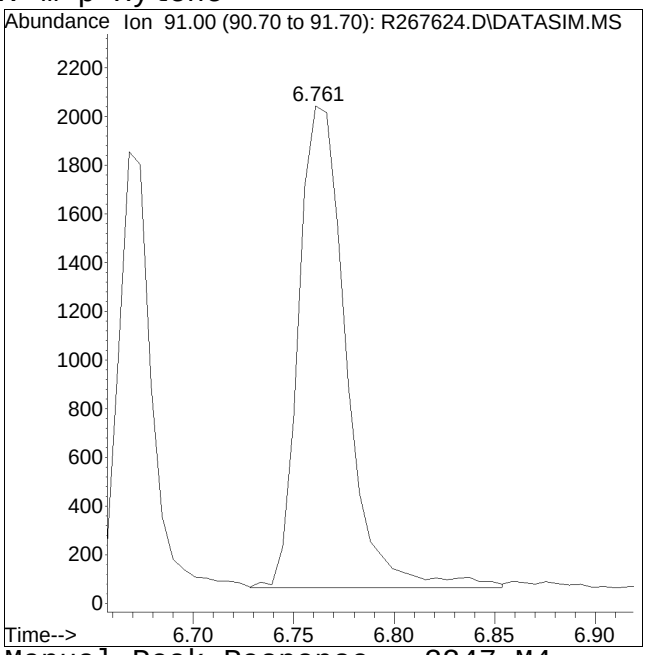
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #61: m+p-xylene



Original Peak Response = 3114



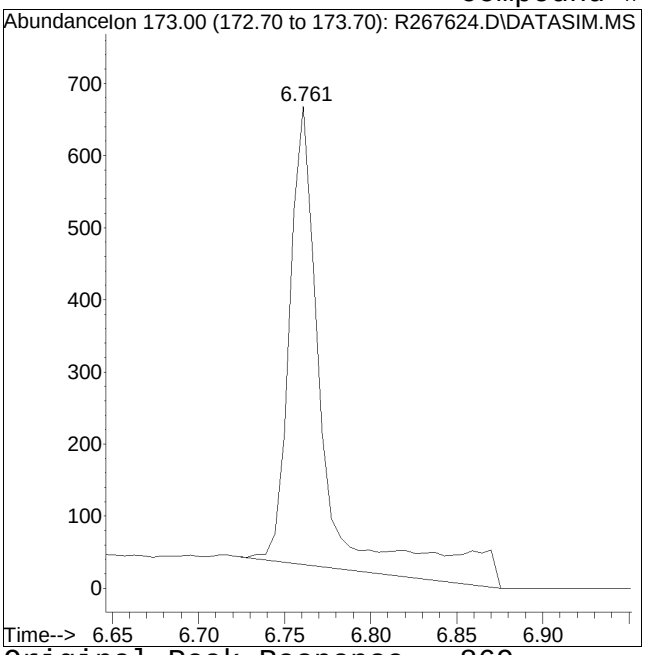
Manual Peak Response = 3247 M4

M4 = Poor automated baseline construction.

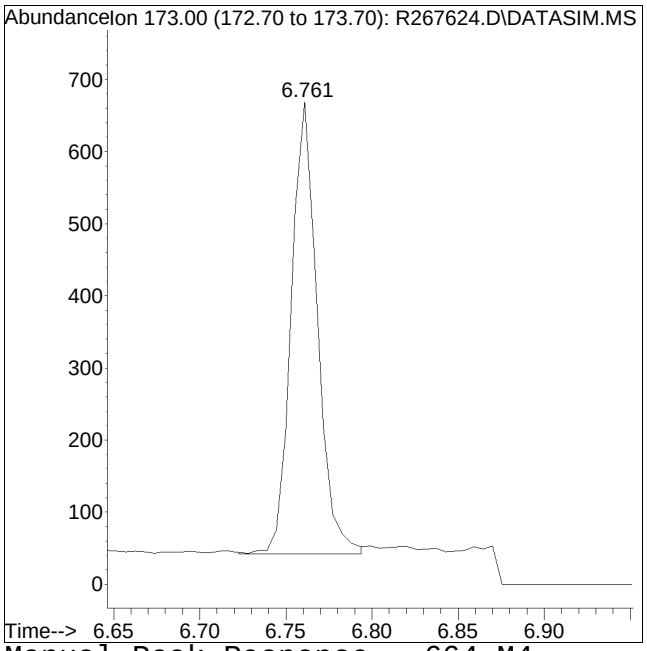
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #62: bromoform



Original Peak Response = 869



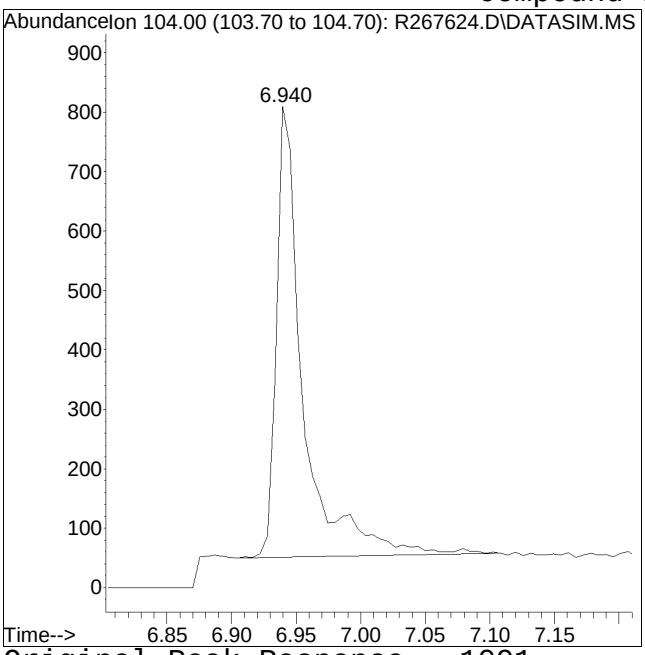
Manual Peak Response = 664 M4

M4 = Poor automated baseline construction.

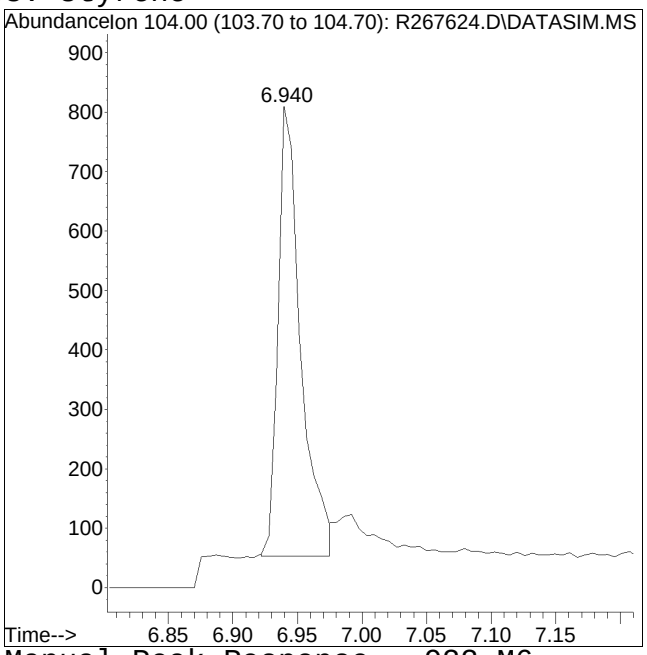
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #63: styrene



Original Peak Response = 1091



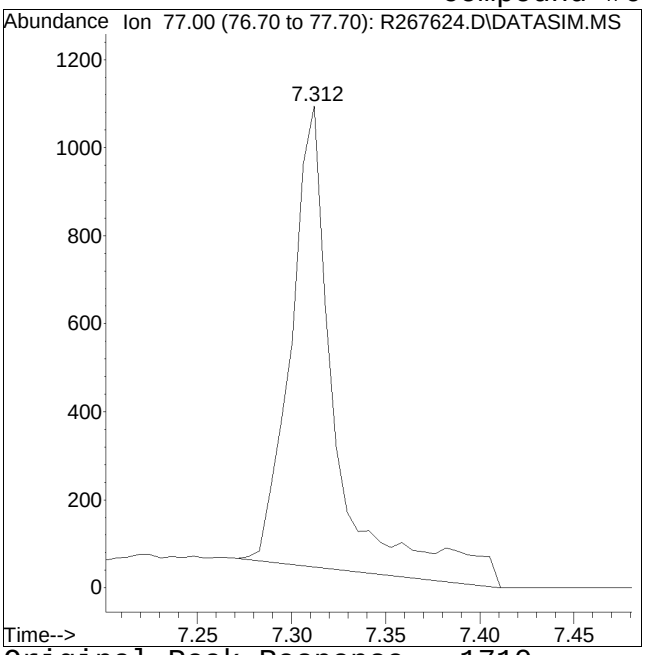
Manual Peak Response = 922 M6

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

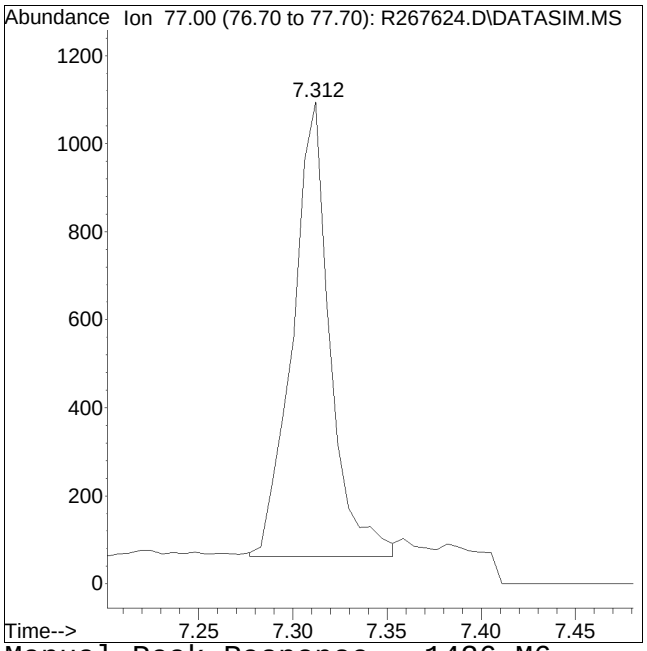
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #69: Bromobenzene



Original Peak Response = 1710



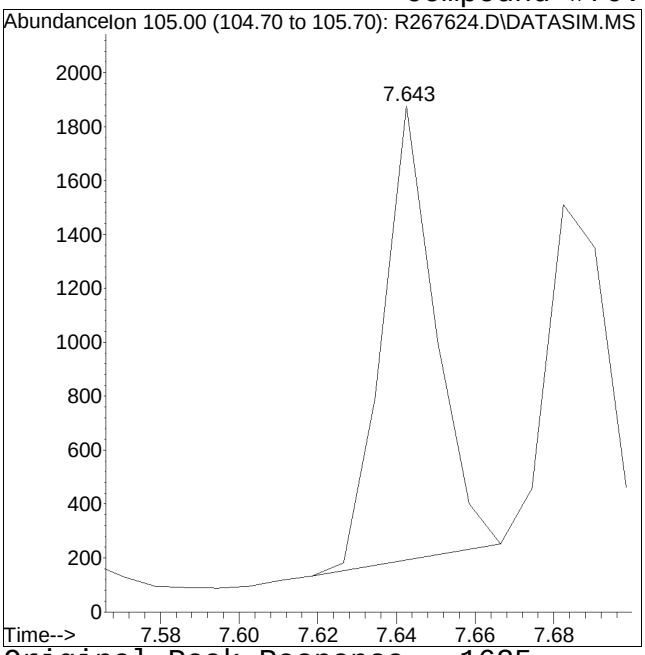
Manual Peak Response = 1426 M6

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

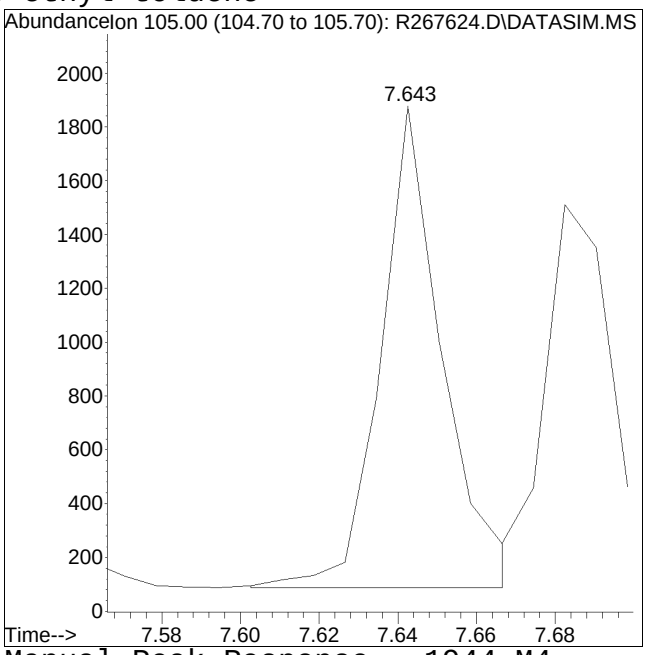
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 1625



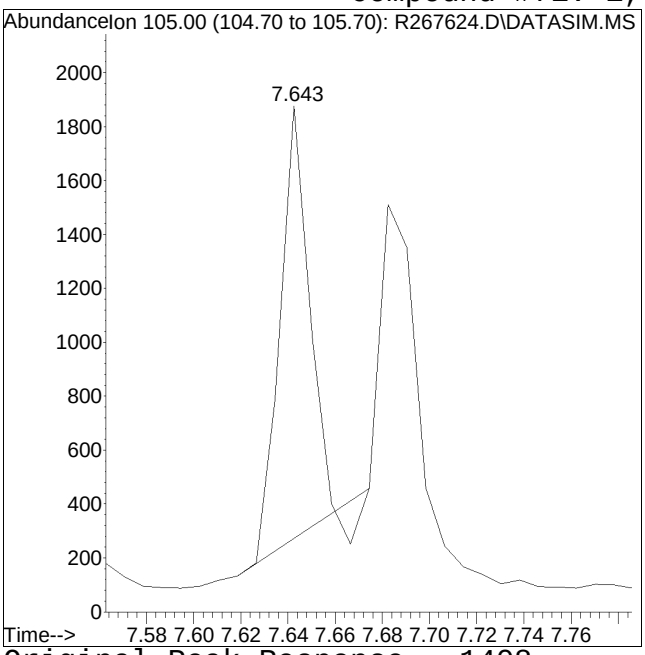
Manual Peak Response = 1944 M4

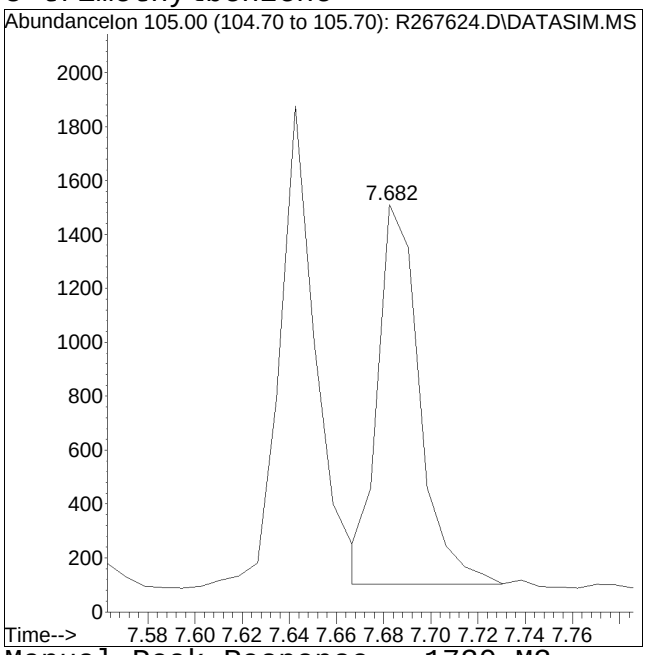
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene





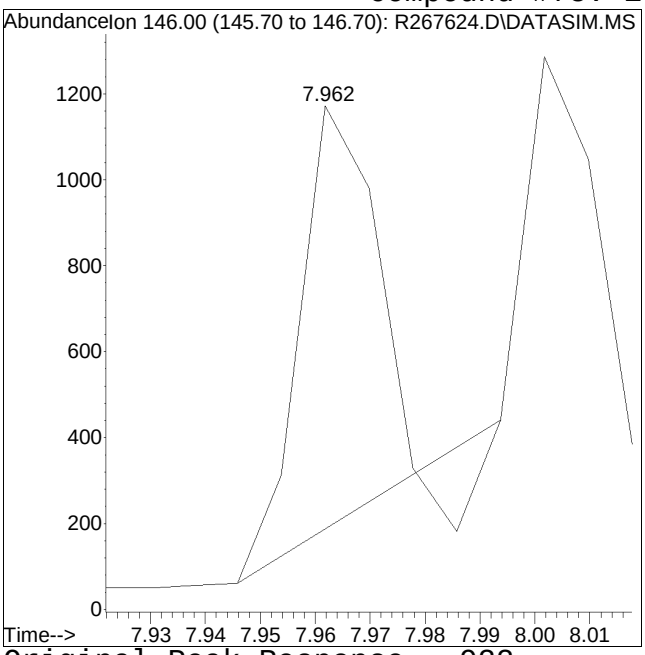
Original Peak Response = 1408 Manual Peak Response = 1730 M3

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.

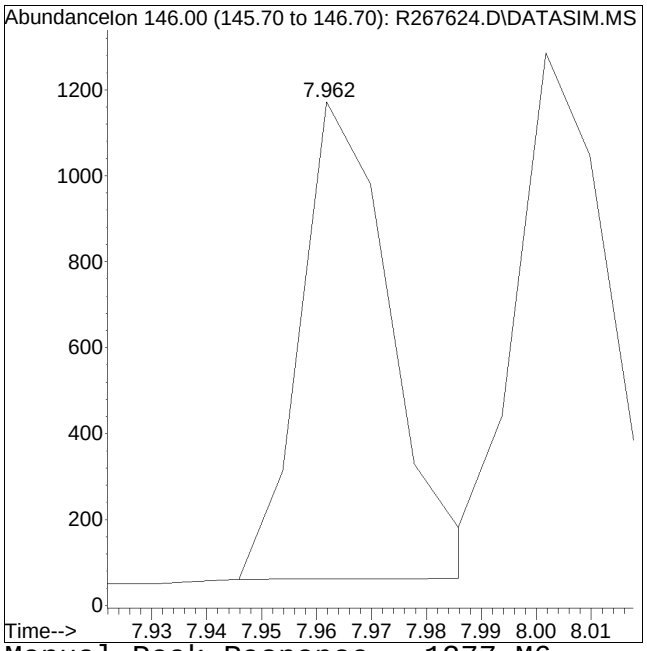
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 922



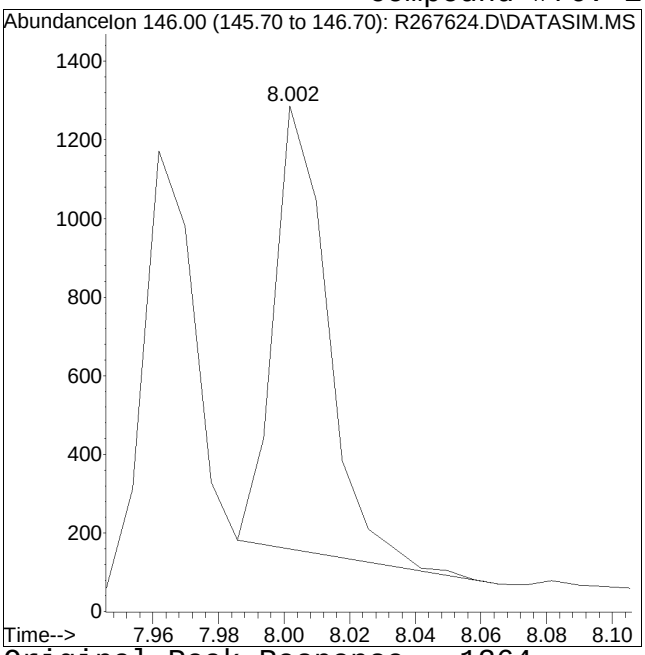
Manual Peak Response = 1277 M6

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

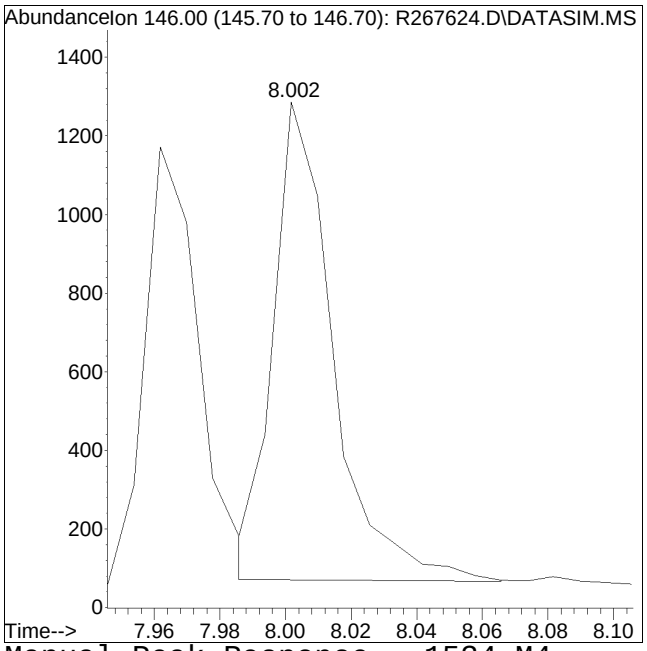
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 1264



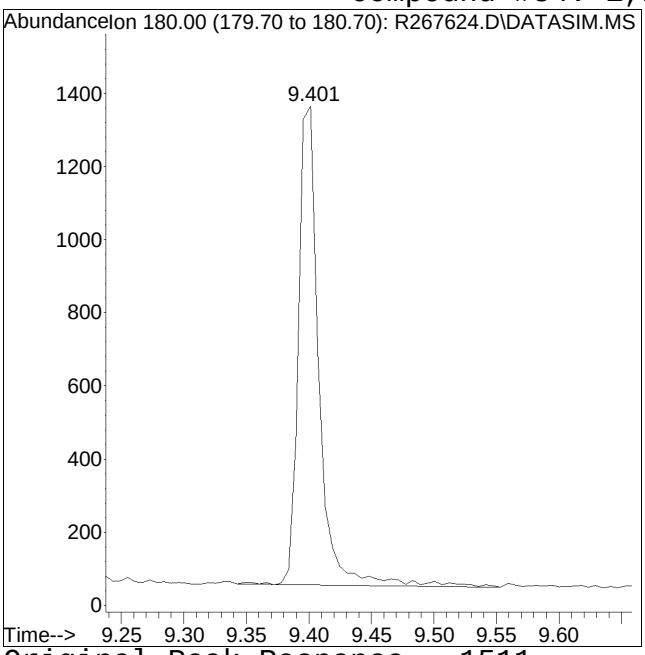
Manual Peak Response = 1534 M4

M4 = Poor automated baseline construction.

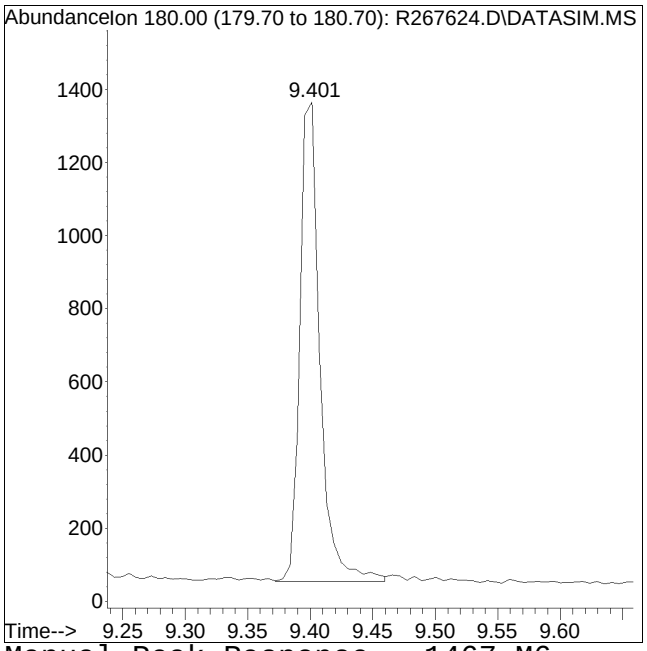
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267624.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:01 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.02 Quant Date : 1/8/2026 6:25 am

Compound #84: 1,2,3-trichlorobenzene



Original Peak Response = 1511



Manual Peak Response = 1467 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267625.D
Acq On : 07 Jan 2026 09:31 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.05
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:08 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.426	49	214405	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 109.06%			
33) 1,4-difluorobenzene	4.324	114	704106	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 106.84%			
51) chlorobenzene-D5	6.439	54	95359	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 104.76%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
53) toluene-D8	0.000	98	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	0.000	95	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) propylene	1.933	41	866M4	0.064	ppbV	
3) dichlorodifluoromethane	1.955	85	2395	0.055	ppbV	100
4) chloromethane	1.999	50	965M6	0.054	ppbV	
5) Freon-114	2.026	85	2632	0.055	ppbV	99
6) vinyl chloride	2.059	62	1045	0.058	ppbV	96
7) 1,3-butadiene	2.098	54	622	0.056	ppbV	90
8) bromomethane	2.175	94	986	0.058	ppbV	97
9) chloroethane	2.224	64	565M3	0.056	ppbV	
10) ethanol	2.263	31	2439	0.319	ppbV	97
11) vinyl bromide	2.329	106	926M4	0.055	ppbV	
12) acrolein	2.363	56	464	0.056	ppbV #	89
13) acetone	2.409	43	7768M4	0.426	ppbV	
14) trichlorofluoromethane	2.448	101	2222M4	0.056	ppbV	
15) isopropyl alcohol	2.482	45	5816M4	0.303	ppbV	
16) acrylonitrile	2.533	53	784M6	0.059	ppbV	
17) 1,1-dichloroethene	2.629	61	1329M6	0.054	ppbV	
18) tertiary butyl alcohol	2.658	59	3029	0.103	ppbV #	96
19) methylene chloride	2.663	49	1271M6	0.074	ppbV	
20) 3-chloropropene	2.701	41	868	0.058	ppbV #	1
21) carbon disulfide	2.753	76	2762	0.063	ppbV #	73
22) Freon 113	2.753	101	2012	0.056	ppbV #	92
23) trans-1,2-dichloroethene	2.971	61	1152M6	0.055	ppbV	
24) 1,1-dichloroethane	3.042	63	1566M6	0.054	ppbV	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267625.D
Acq On : 07 Jan 2026 09:31 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.05
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:08 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.091	73	2295	0.058	ppbV	#	18
26) vinyl acetate	3.113	43	1562M6	0.054	ppbV		
27) 2-butanone	3.219	43	2078	0.061	ppbV	#	93
28) cis-1,2-dichloroethene	3.366	61	1362M6	0.056	ppbV		
29) Ethyl Acetate	3.501	61	494M6	0.088	ppbV		
30) chloroform	3.493	83	2087M6	0.056	ppbV		
31) Tetrahydrofuran	3.703	42	785M6	0.056	ppbV		
32) 1,2-dichloroethane	3.809	62	1141	0.054	ppbV	#	96
34) hexane	3.471	57	1564	0.067	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	1897	0.053	ppbV	#	9
37) benzene	4.126	78	3315M6	0.056	ppbV		
38) carbon tetrachloride	4.201	117	1814M6	0.053	ppbV		
39) cyclohexane	4.258	56	1438M6	0.058	ppbV		
40) Dibromomethane	4.503	93	1314M6	0.057	ppbV		
41) 1,2-dichloropropane	4.522	63	1150M6	0.054	ppbV		
42) bromodichloromethane	4.616	83	2024M6	0.056	ppbV		
43) 1,4-dioxane	4.710	88	548M6	0.050	ppbV		
44) trichloroethene	4.644	130	1467	0.053	ppbV	#	50
45) 2,2,4-trimethylpentane	4.682	57	4392	0.060	ppbV	#	59
46) heptane	4.833	43	1452M4	0.059	ppbV		
47) cis-1,3-dichloropropene	5.084	75	1562M6	0.051	ppbV		
48) 4-methyl-2-pentanone	5.148	43	1702M4	0.050	ppbV		
49) trans-1,3-dichloropropene	5.356	75	1221	0.053	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	1500	0.058	ppbV	#	1
52) toluene	5.571	91	4039	0.057	ppbV		97
54) 2-hexanone	5.771	43	1350M4	0.041	ppbV		
55) dibromochloromethane	5.763	129	1909	0.054	ppbV		97
56) 1,2-dibromoethane	5.883	107	2080	0.056	ppbV		98
57) tetrachloroethene	6.130	166	1748M4	0.056	ppbV		
58) 1,1,1,2-tetrachloroethane	6.461	131	1509M4	0.052	ppbV		
59) chlorobenzene	6.461	112	3244	0.056	ppbV	#	1
60) ethylbenzene	6.668	91	4876	0.054	ppbV		99
61) m+p-xylene	6.761	91	8041	0.114	ppbV		99
62) bromoform	6.761	173	1668M6	0.053	ppbV		
63) styrene	6.940	104	2463M4	0.046	ppbV		
64) 1,1,2,2-tetrachloroethane	6.986	83	3104	0.057	ppbV		100
65) o-xylene	6.986	91	3892M6	0.057	ppbV		
66) 1,2,3-Trichloropropane	7.050	75	2227	0.054	ppbV		99
68) isopropylbenzene	7.295	105	5911	0.057	ppbV		95
69) Bromobenzene	7.306	77	3878	0.059	ppbV		88

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267625.D
Acq On : 07 Jan 2026 09:31 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.05
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:08 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

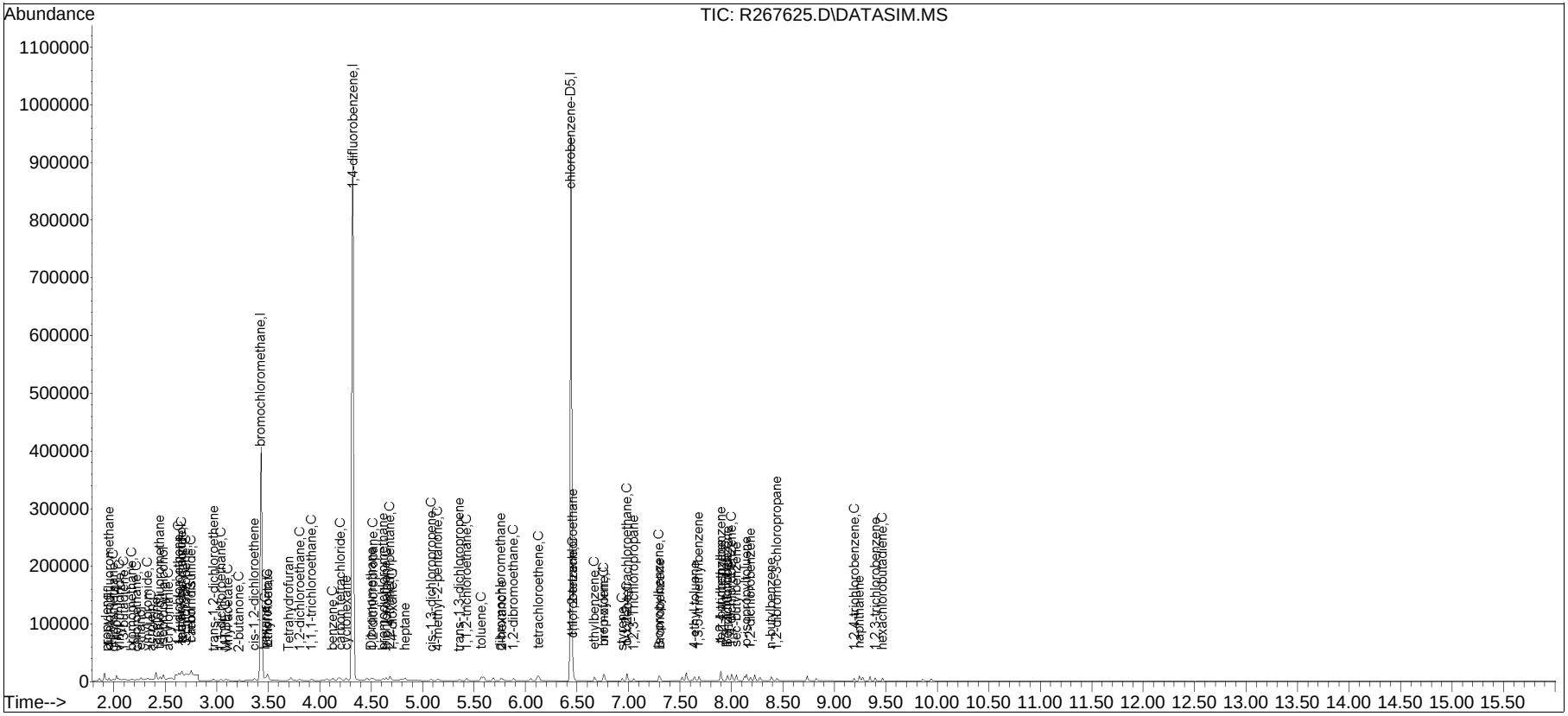
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	7.643	105	5030M6	0.054	ppbV		
71) 1,3,5-trimethylbenzene	7.683	105	4368M6	0.057	ppbV		
72) tert-butylbenzene	7.898	119	4996	0.055	ppbV		98
73) 1,2,4-trimethylbenzene	7.898	105	4364	0.053	ppbV		99
74) Benzyl Chloride	7.962	91	3248	0.049	ppbV		95
75) 1,3-dichlorobenzene	7.962	146	3374M6	0.055	ppbV		
76) 1,4-dichlorobenzene	8.002	146	3723M6	0.061	ppbV		
77) sec-butylbenzene	8.050	105	6888	0.053	ppbV		99
78) p-isopropyltoluene	8.146	119	5985	0.052	ppbV		100
79) 1,2-dichlorobenzene	8.186	146	3499	0.059	ppbV		98
80) n-butylbenzene	8.385	91	5653	0.052	ppbV		100
81) 1,2-dibromo-3-chloropr...	8.441	75	1510	0.055	ppbV	#	92
82) 1,2,4-trichlorobenzene	9.195	180	3493	0.060	ppbV		99
83) naphthalene	9.242	128	8945	0.058	ppbV		97
84) 1,2,3-trichlorobenzene	9.399	180	3439	0.051	ppbV		99
85) hexachlorobutadiene	9.470	225	2166	0.055	ppbV		98

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267625.D
Acq On : 07 Jan 2026 09:31 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.05
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

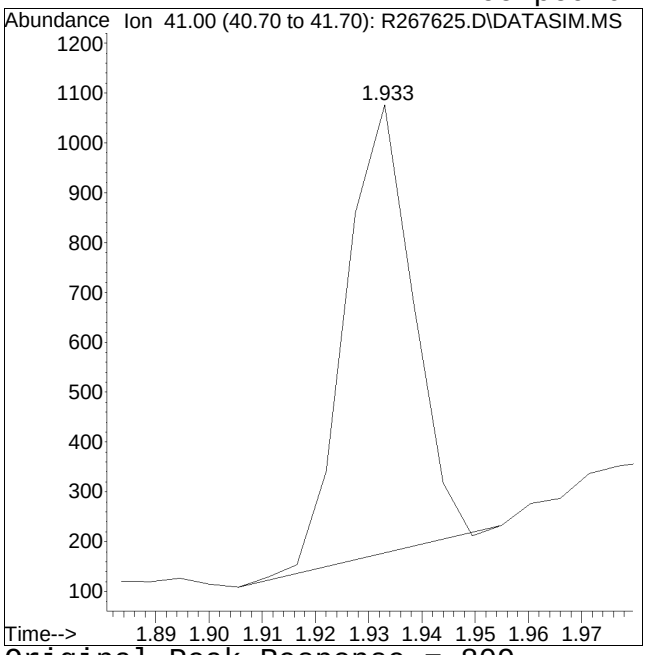
Quant Time: Jan 08 06:25:08 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration



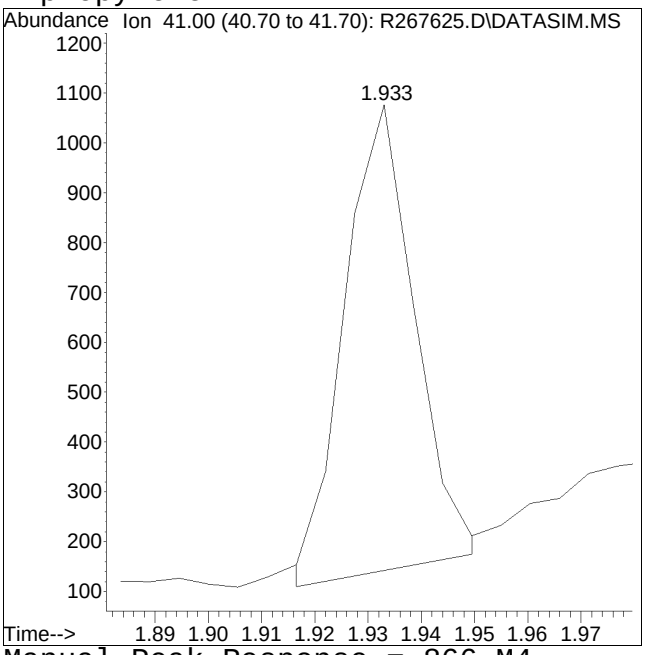
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #2: propylene



Original Peak Response = 809



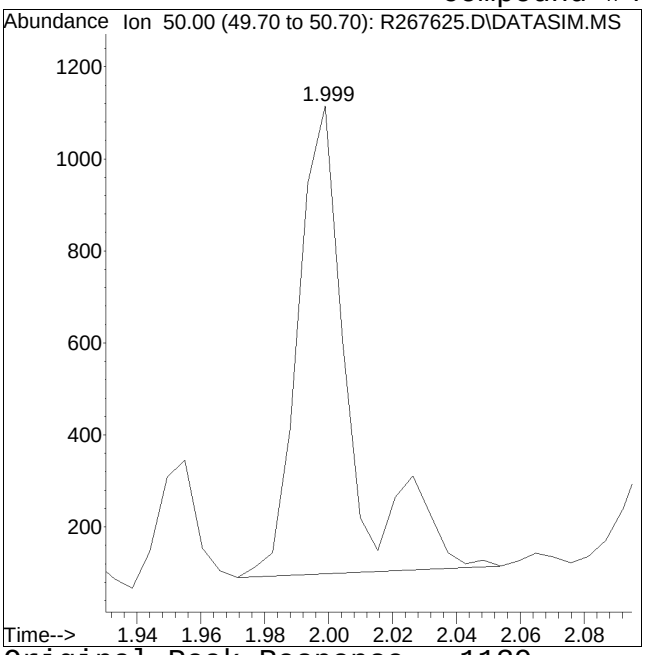
Manual Peak Response = 866 M4

M4 = Poor automated baseline construction.

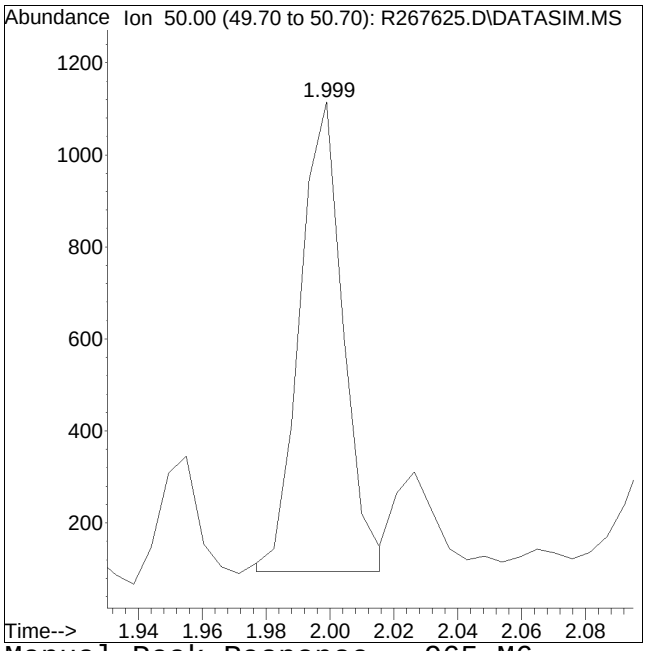
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 1139



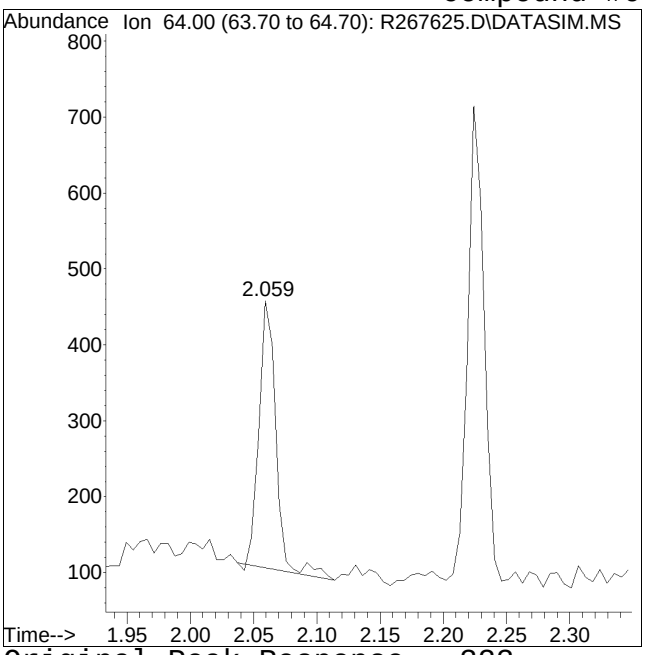
Manual Peak Response = 965 M6

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

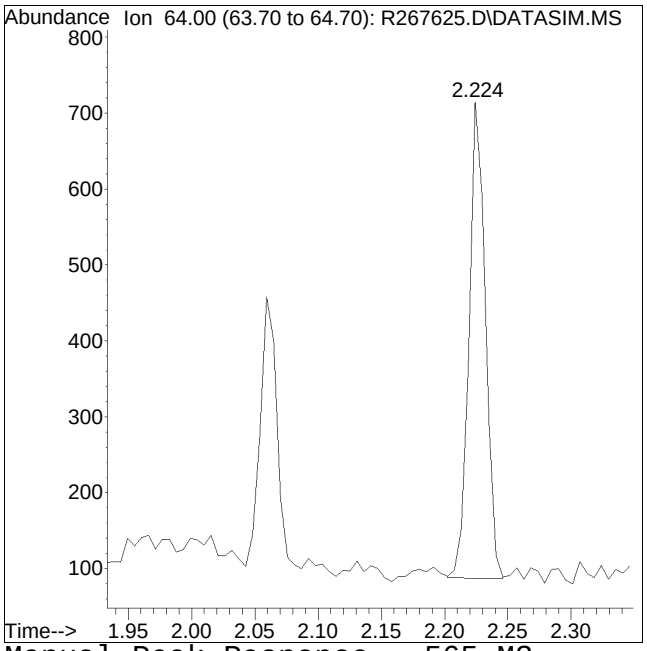
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #9: chloroethane



Original Peak Response = 323



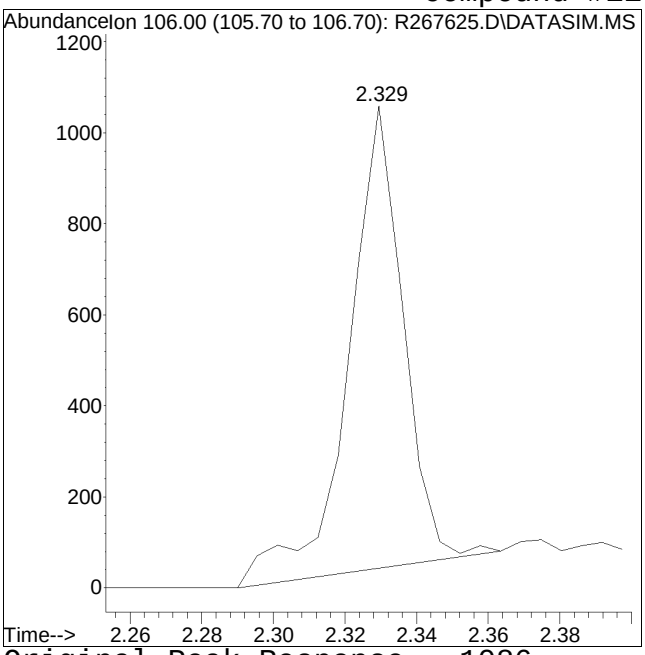
Manual Peak Response = 565 M3

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.

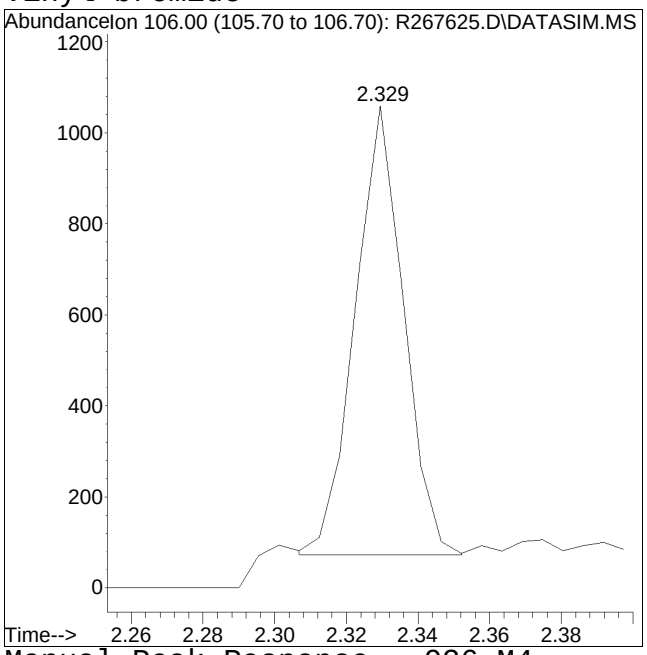
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #11: vinyl bromide



Original Peak Response = 1086



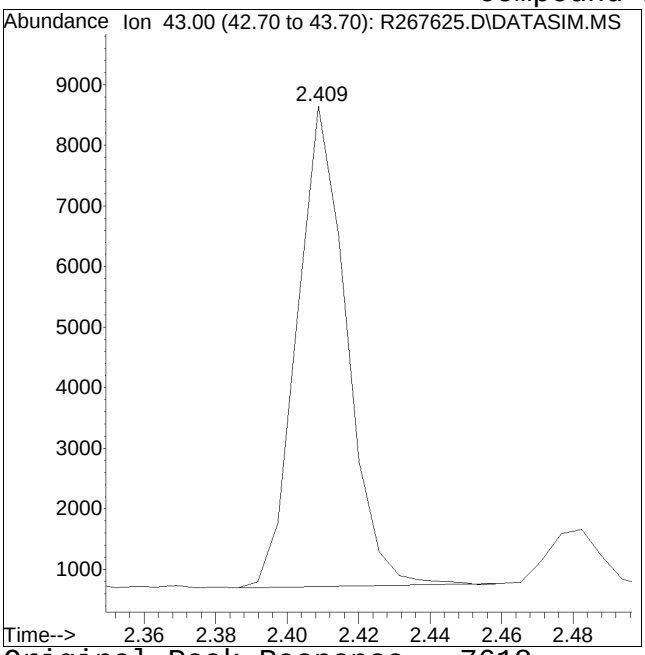
Manual Peak Response = 926 M4

M4 = Poor automated baseline construction.

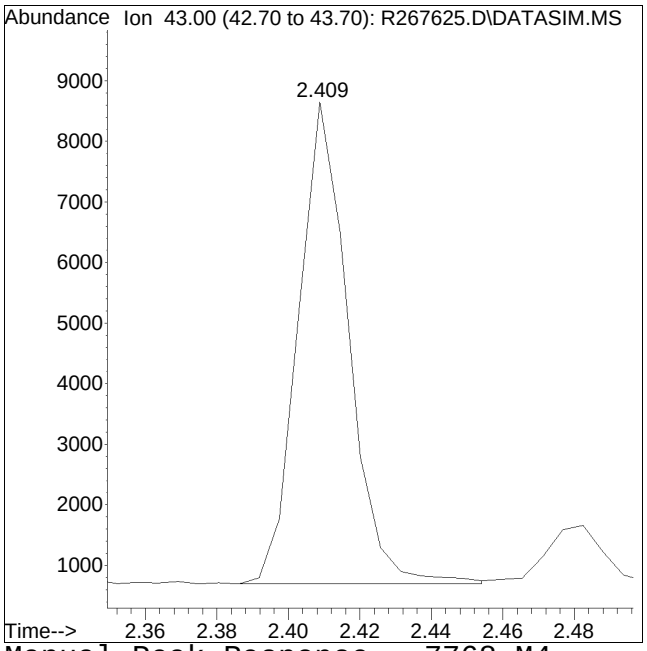
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #13: acetone



Original Peak Response = 7618



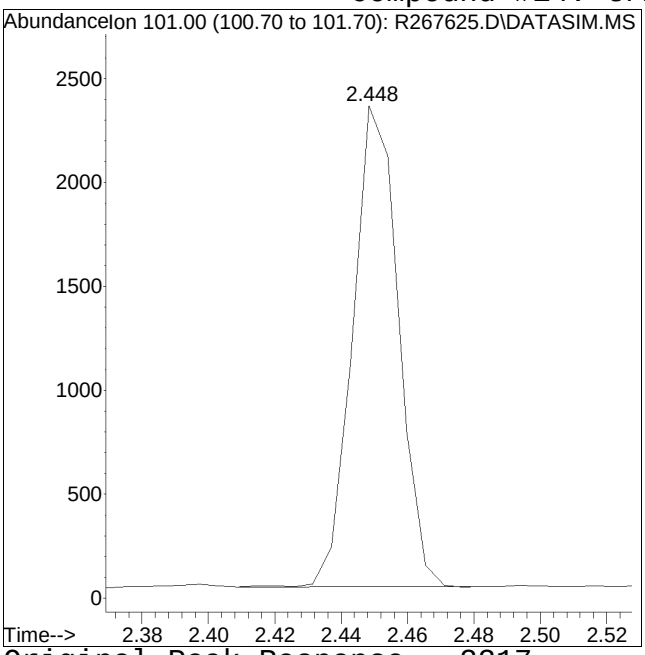
Manual Peak Response = 7768 M4

M4 = Poor automated baseline construction.

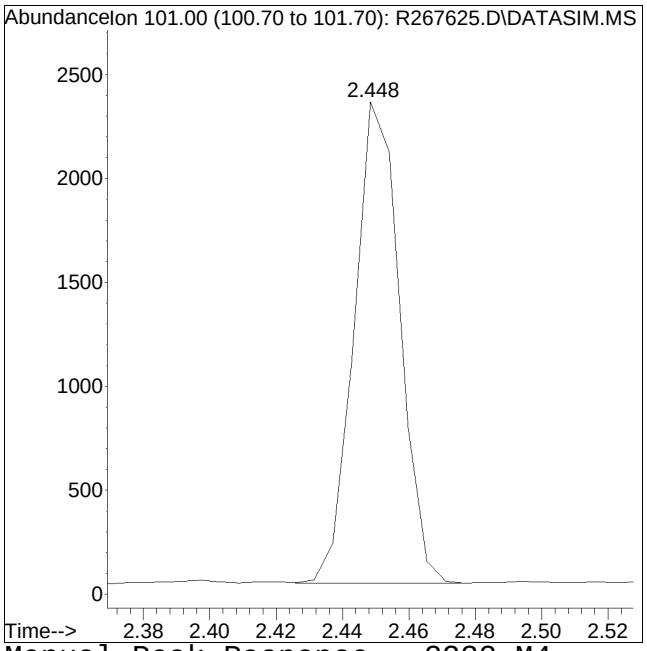
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #14: trichlorofluoromethane



Original Peak Response = 2217



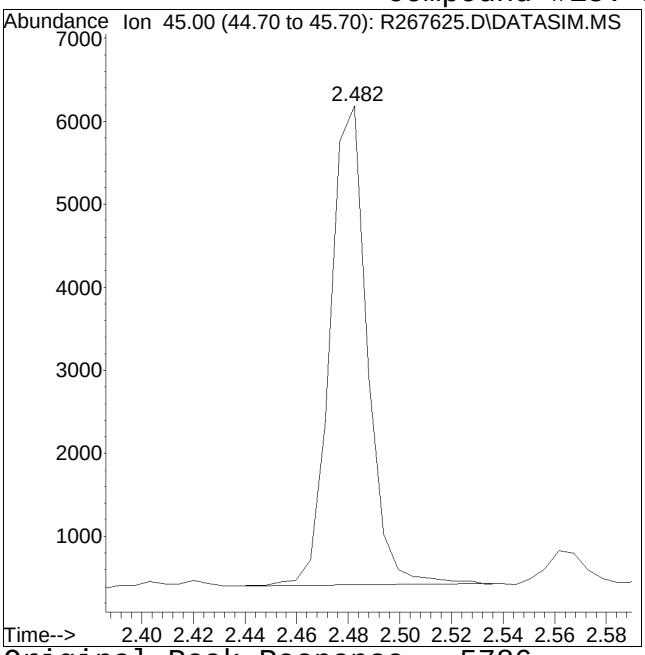
Manual Peak Response = 2222 M4

M4 = Poor automated baseline construction.

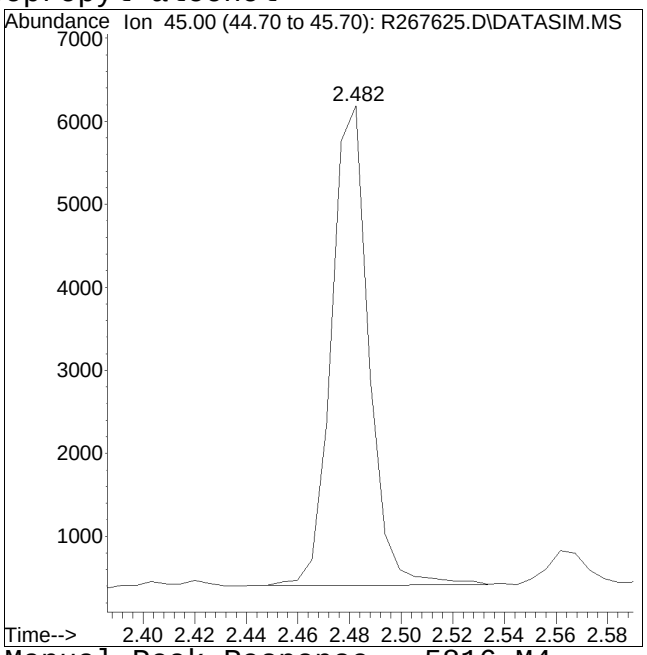
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #15: isopropyl alcohol



Original Peak Response = 5786



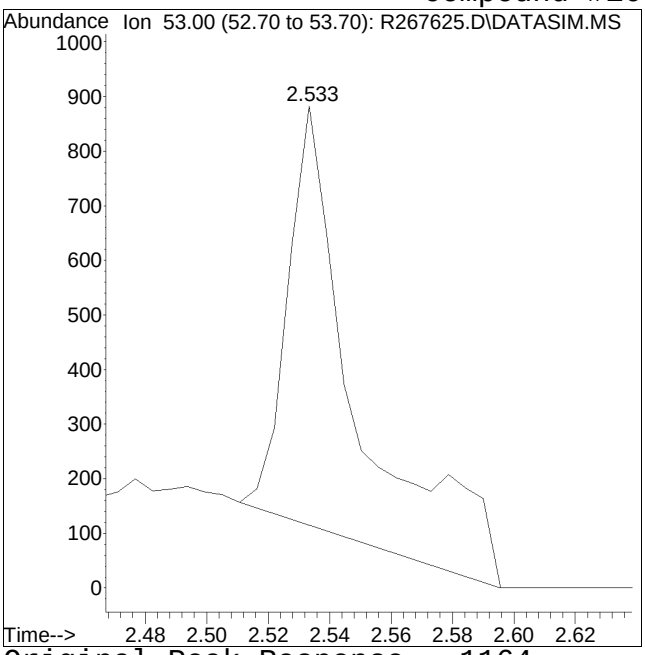
Manual Peak Response = 5816 M4

M4 = Poor automated baseline construction.

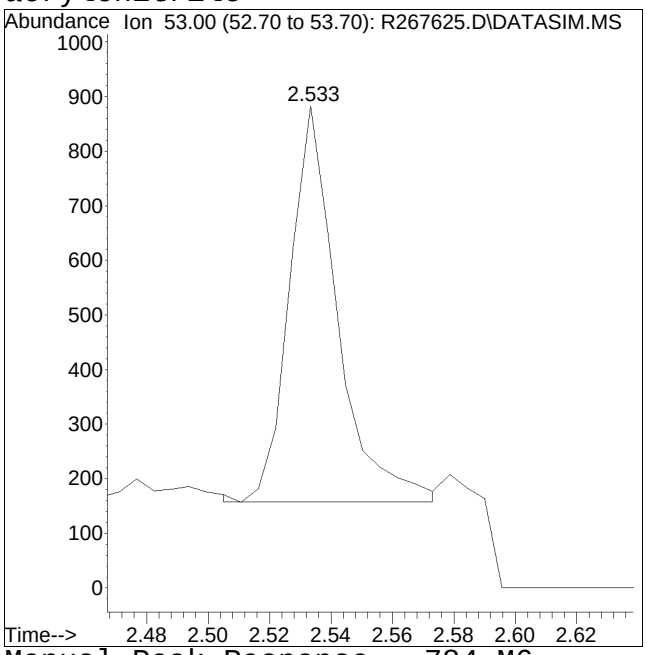
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #16: acrylonitrile



Original Peak Response = 1164



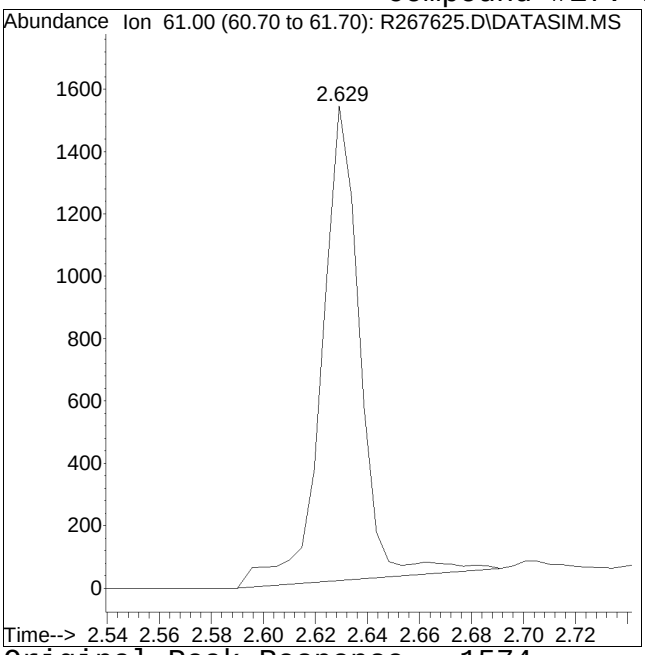
Manual Peak Response = 784 M6

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

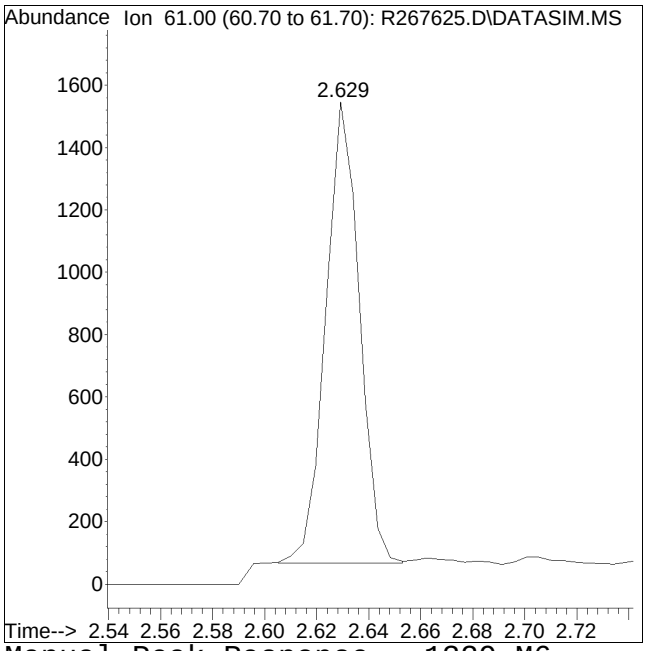
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 1574



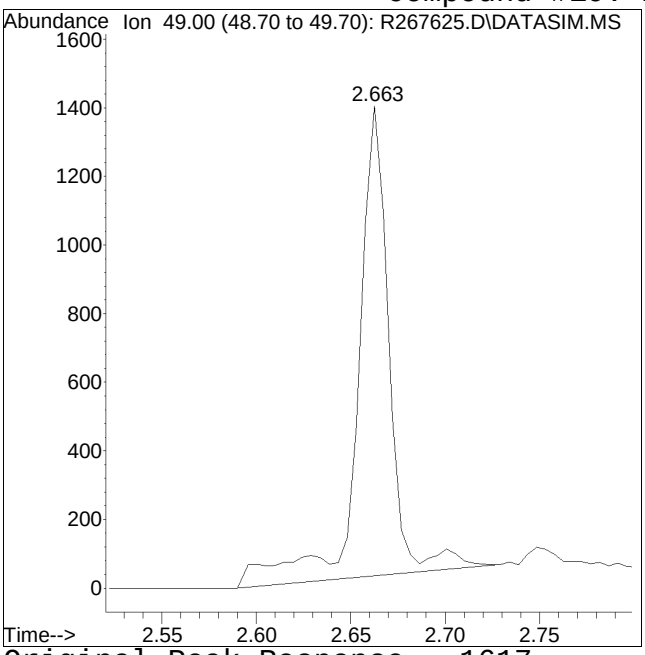
Manual Peak Response = 1329 M6

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

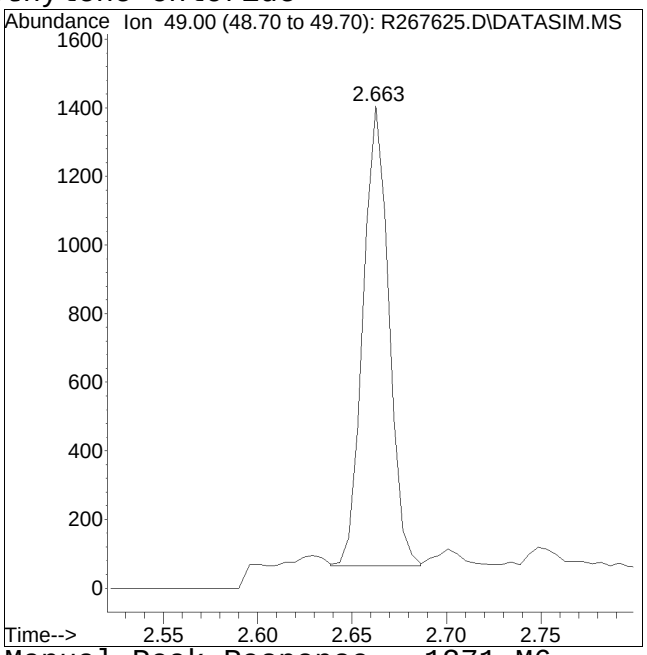
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #19: methylene chloride



Original Peak Response = 1617



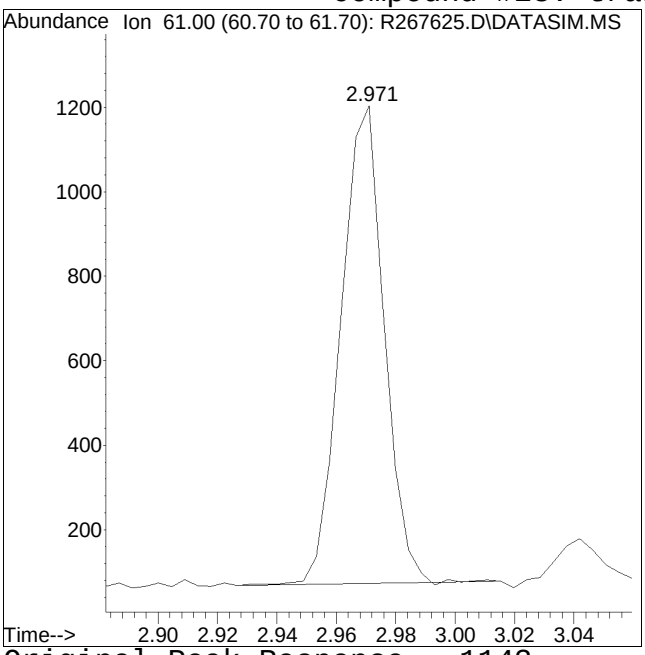
Manual Peak Response = 1271 M6

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

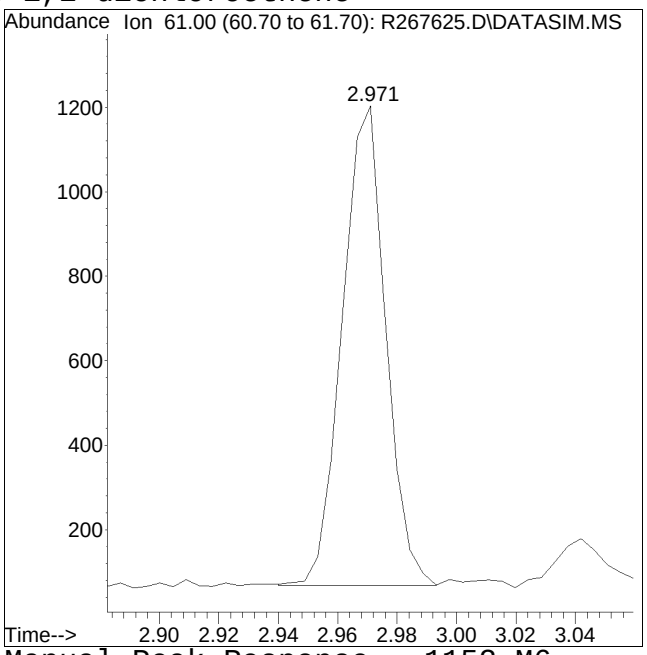
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #23: trans-1,2-dichloroethene



Original Peak Response = 1143



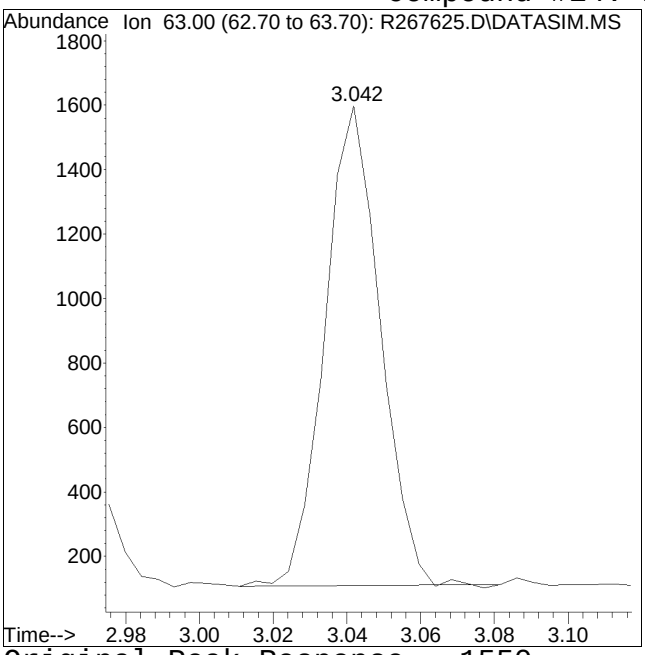
Manual Peak Response = 1152 M6

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

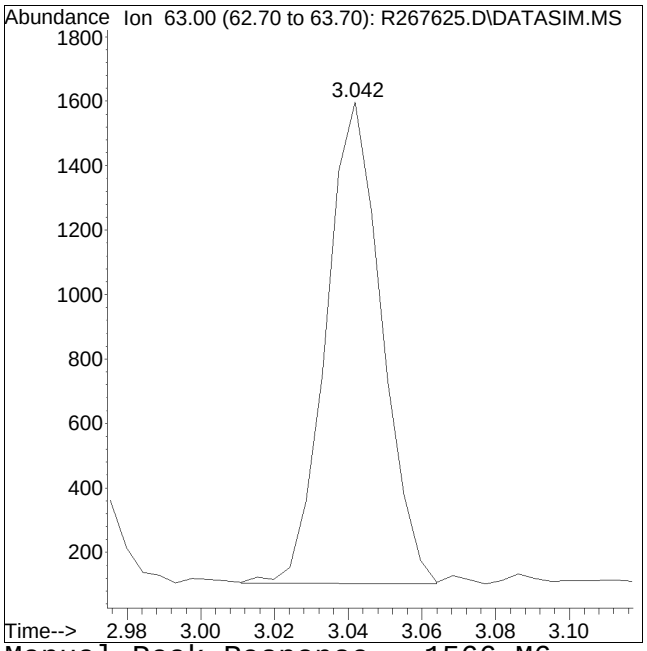
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #24: 1,1-dichloroethane



Original Peak Response = 1550



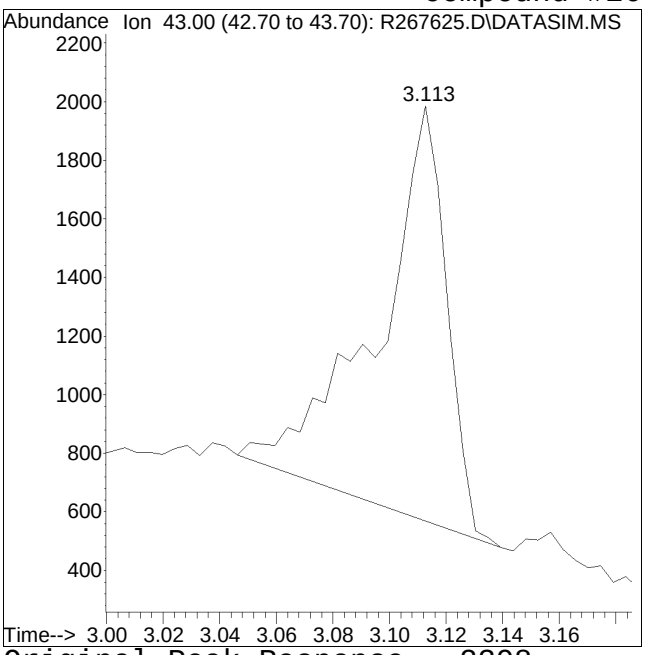
Manual Peak Response = 1566 M6

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

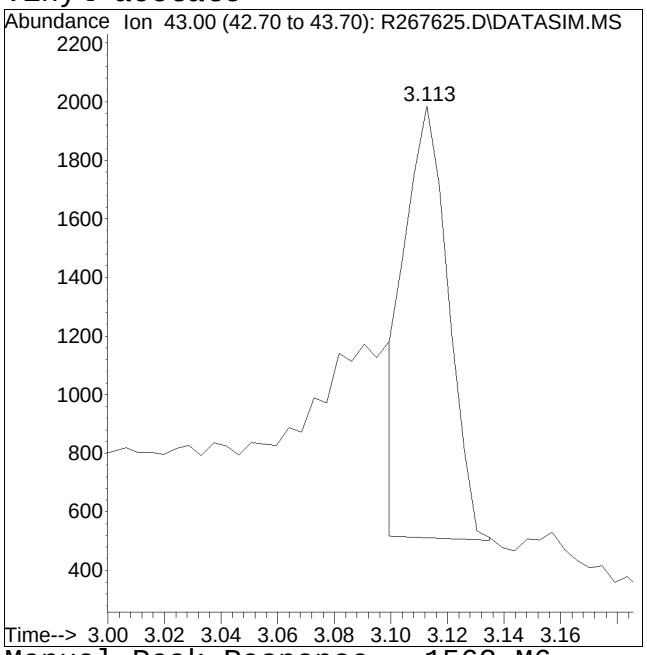
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 2398



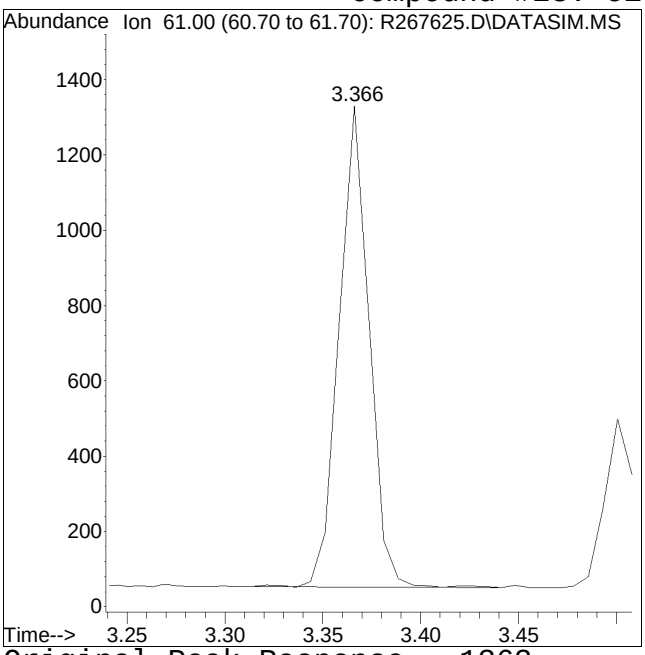
Manual Peak Response = 1562 M6

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

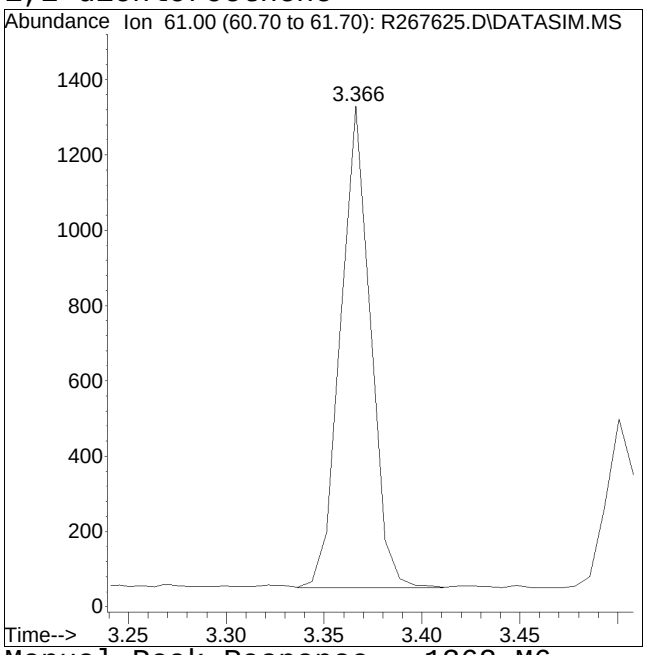
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 1363



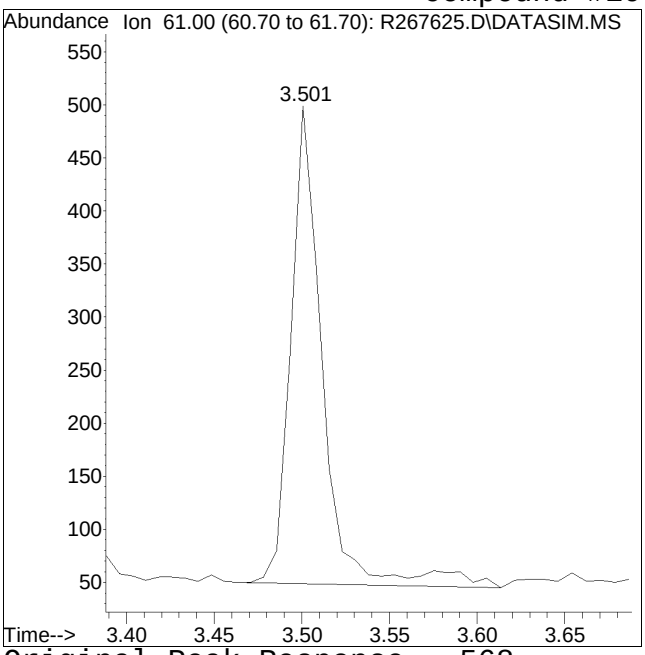
Manual Peak Response = 1362 M6

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

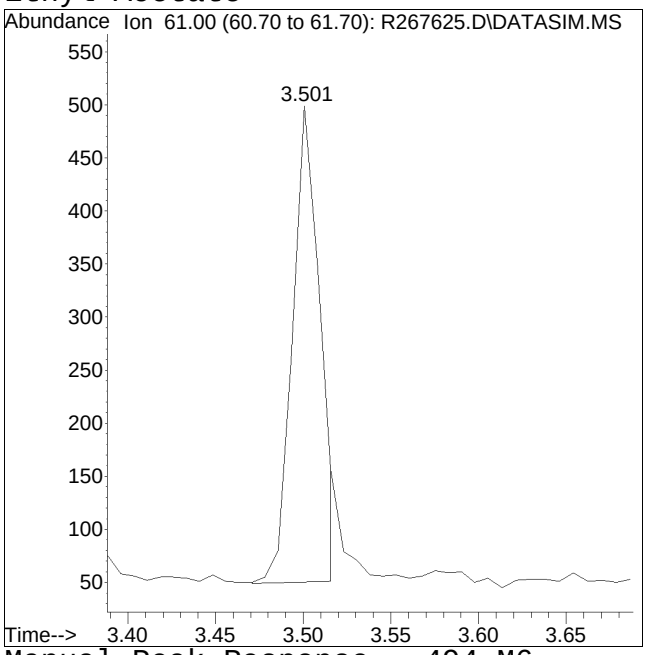
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 568



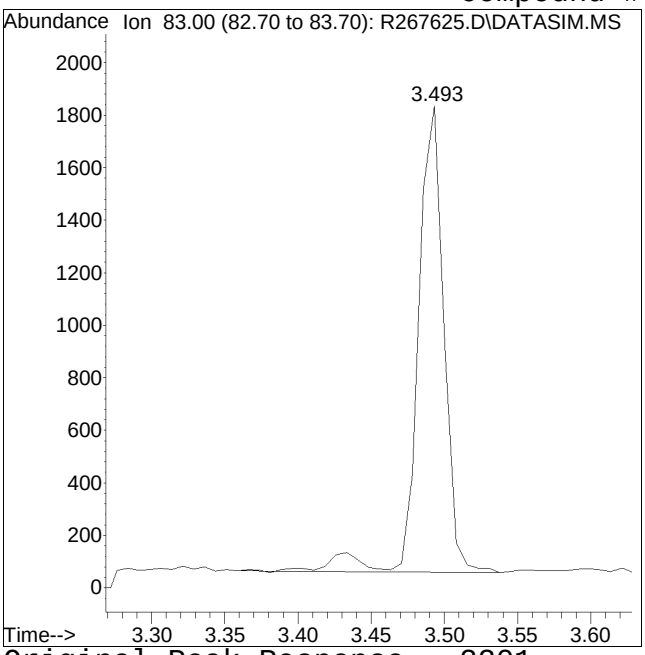
Manual Peak Response = 494 M6

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

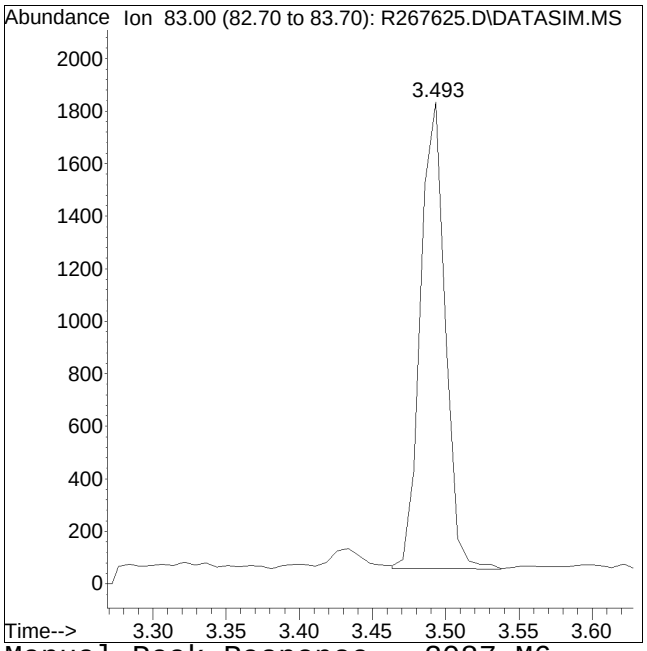
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #30: chloroform



Original Peak Response = 2201



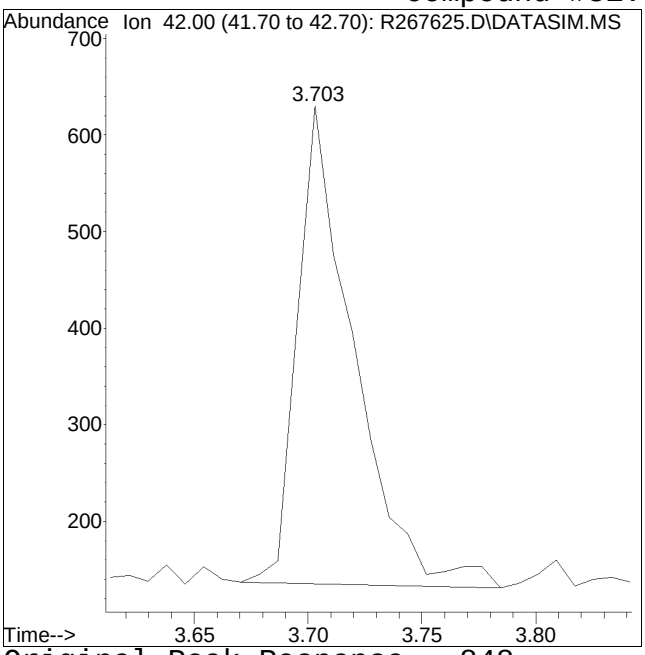
Manual Peak Response = 2087 M6

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

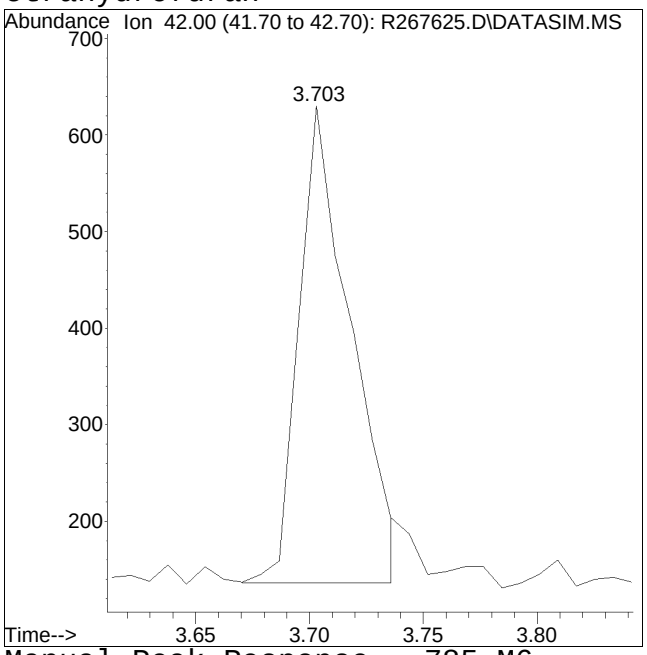
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 848



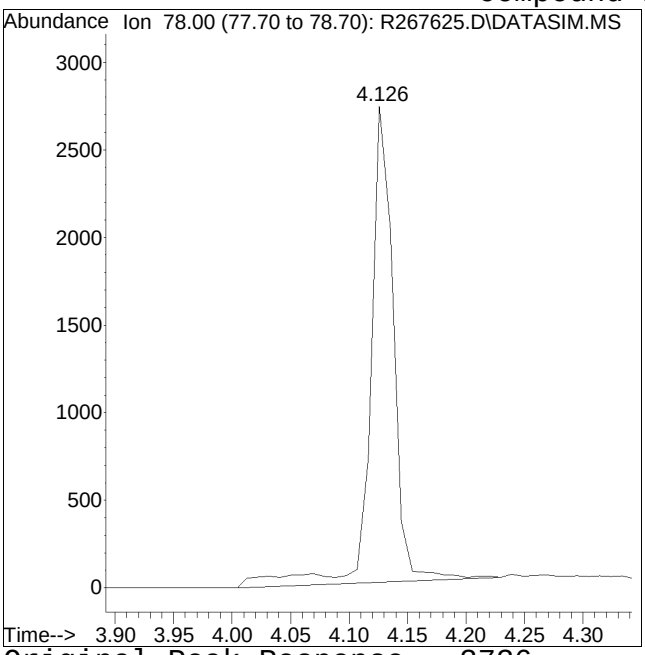
Manual Peak Response = 785 M6

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

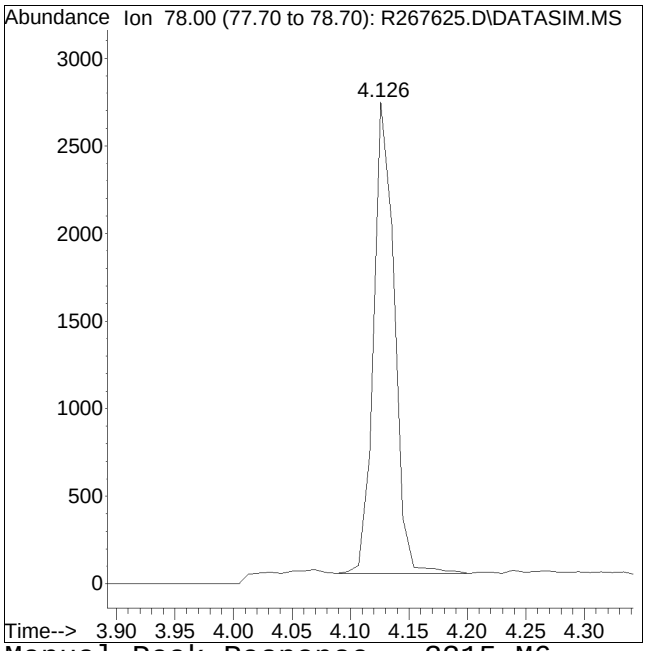
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #37: benzene



Original Peak Response = 3736



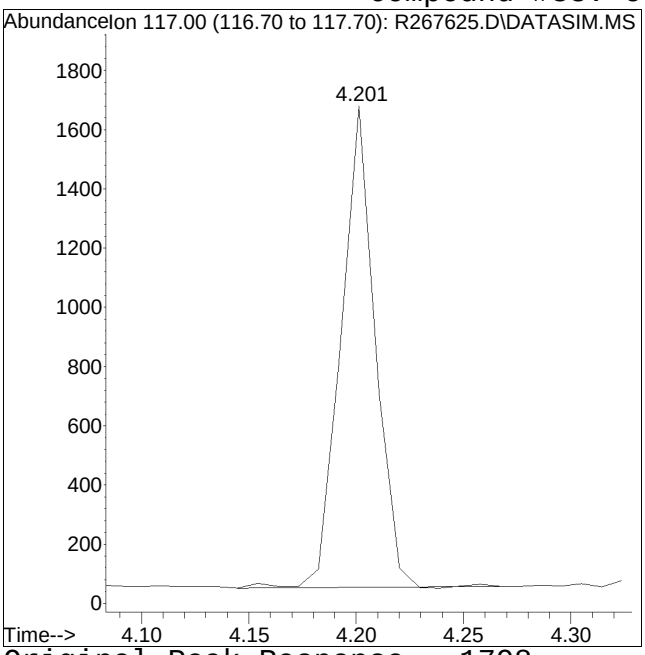
Manual Peak Response = 3315 M6

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

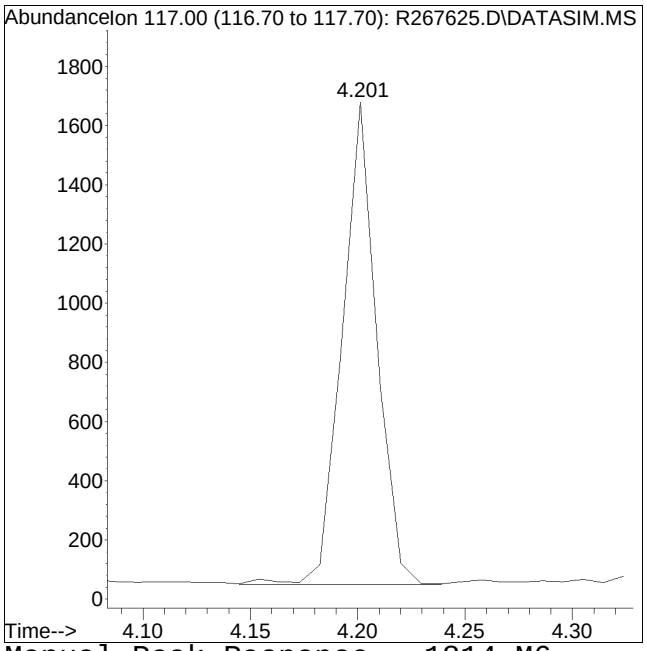
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #38: carbon tetrachloride



Original Peak Response = 1798



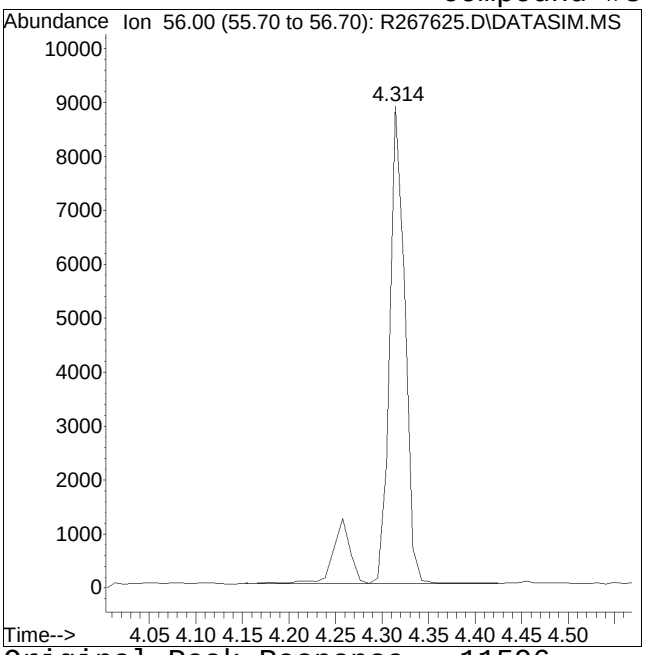
Manual Peak Response = 1814 M6

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

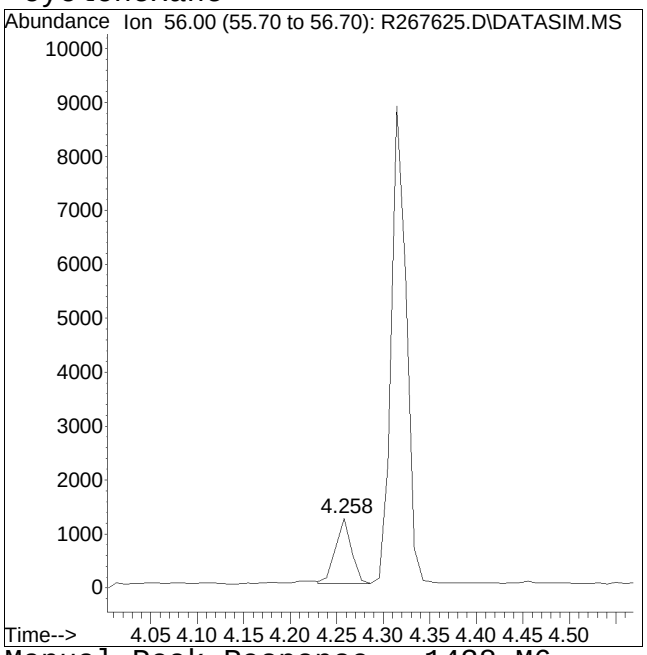
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #39: cyclohexane



Original Peak Response = 11596



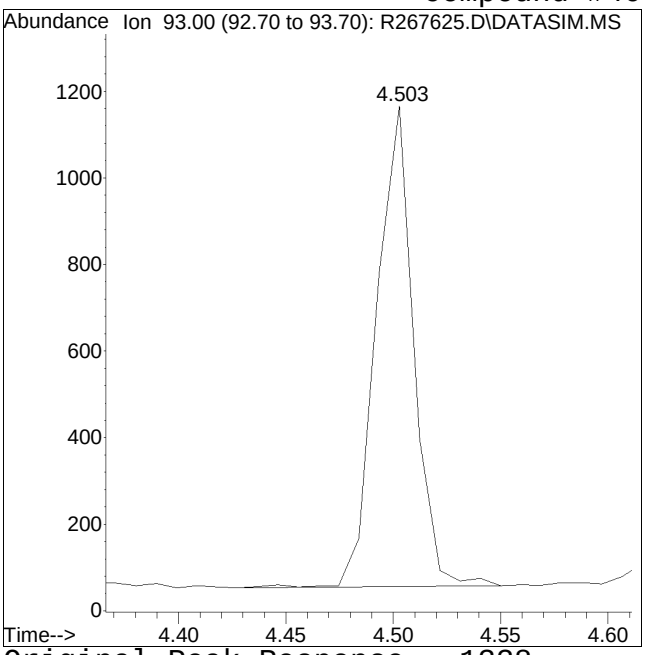
Manual Peak Response = 1438 M6

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

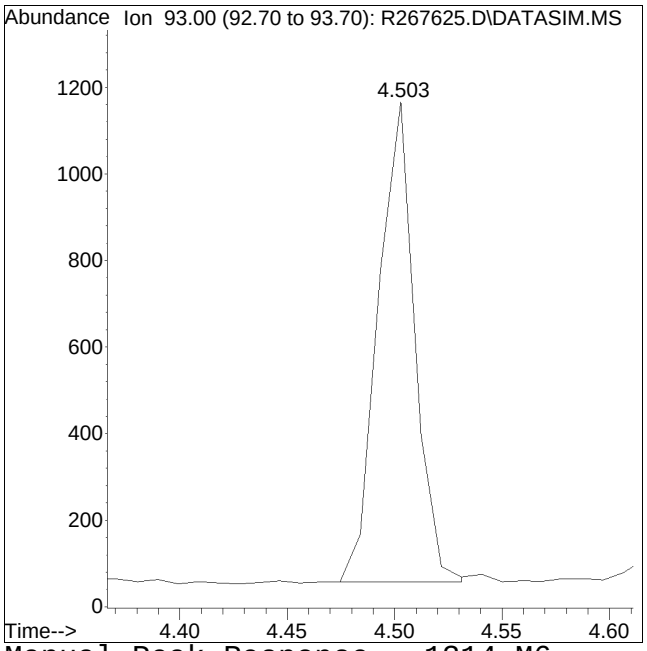
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #40: Dibromomethane



Original Peak Response = 1338



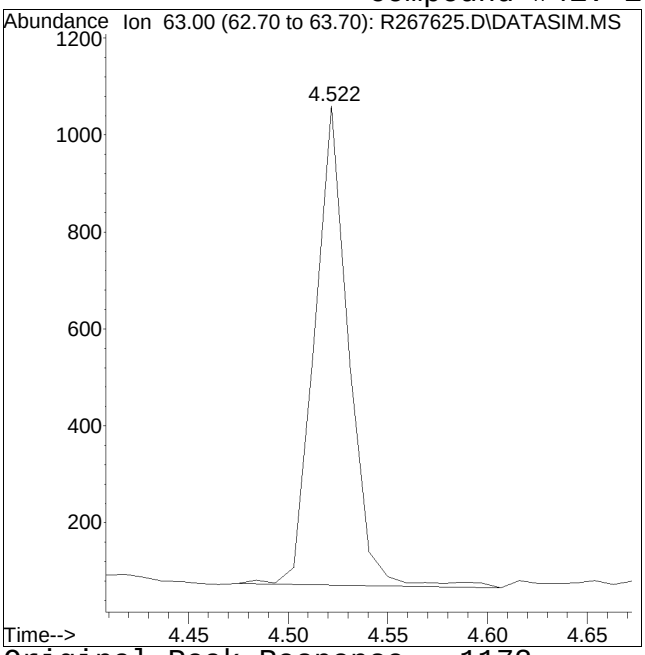
Manual Peak Response = 1314 M6

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

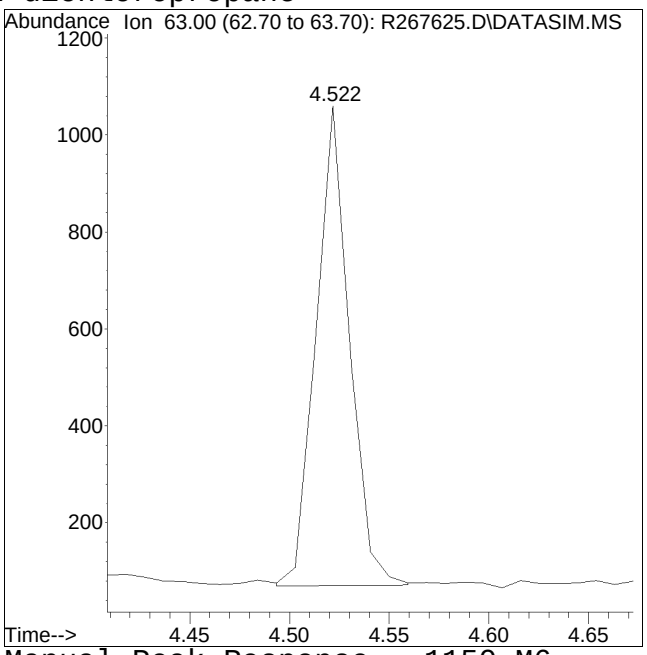
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #41: 1,2-dichloropropane



Original Peak Response = 1172



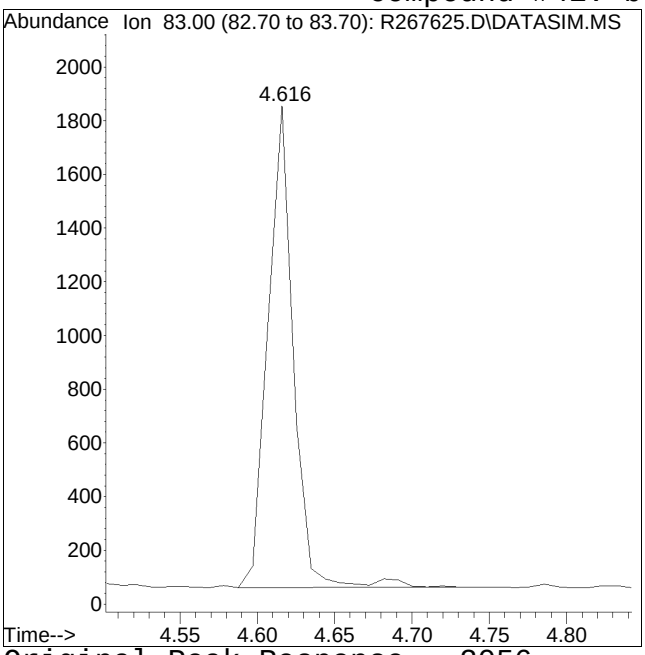
Manual Peak Response = 1150 M6

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

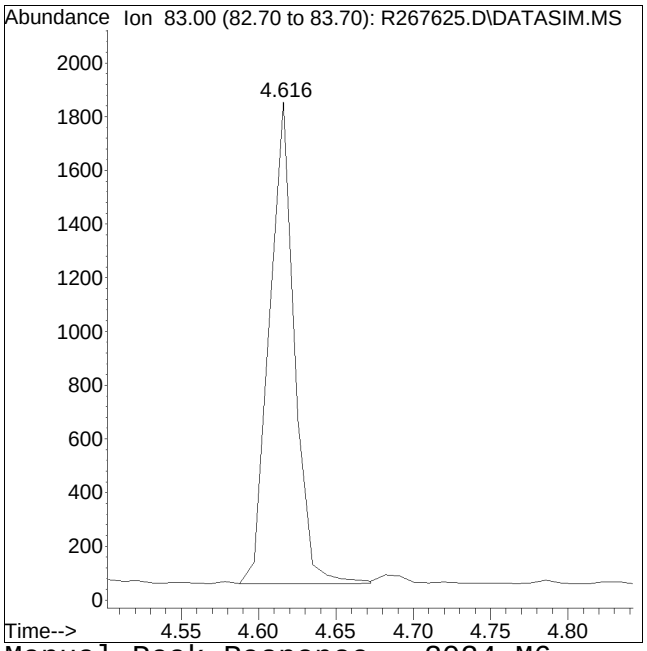
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #42: bromodichloromethane



Original Peak Response = 2056



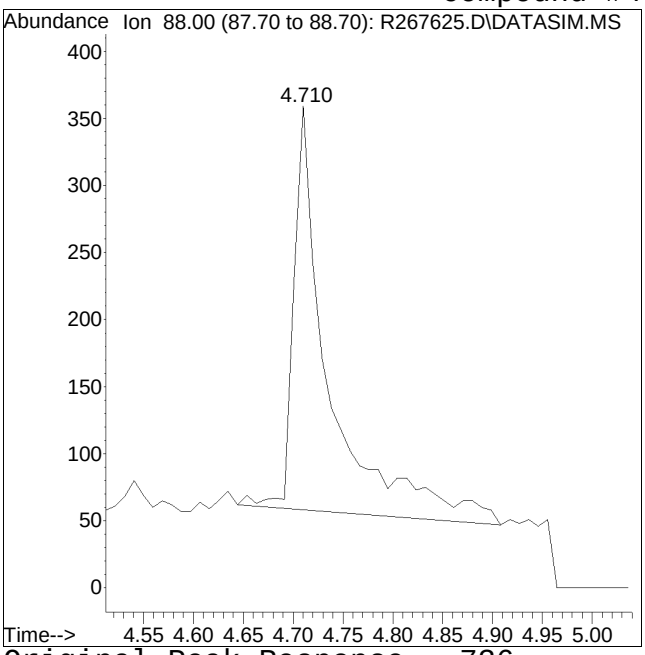
Manual Peak Response = 2024 M6

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

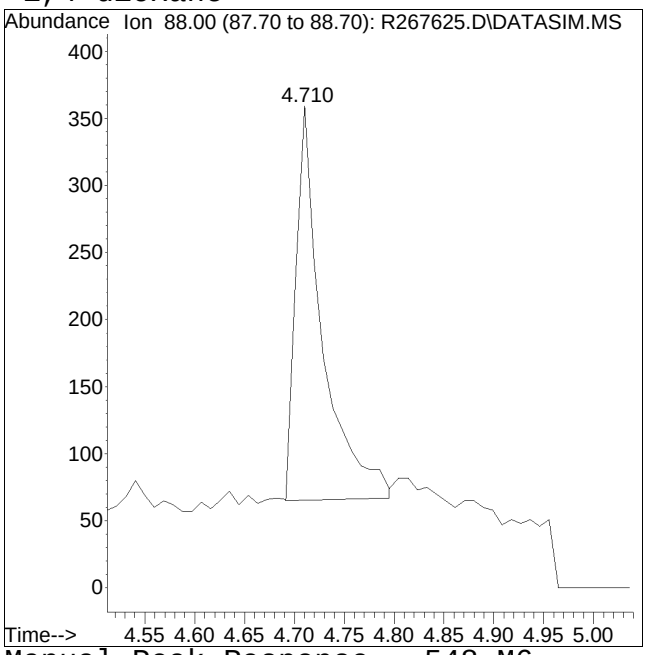
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #43: 1,4-dioxane



Original Peak Response = 736



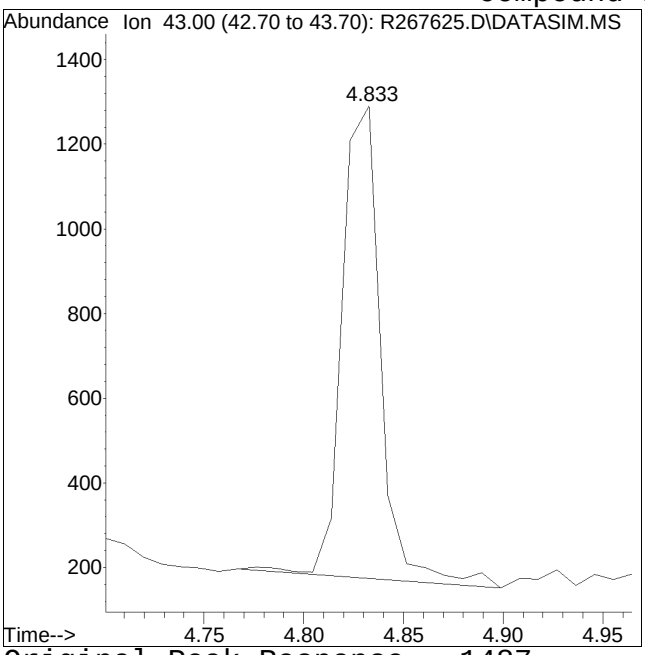
Manual Peak Response = 548 M6

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

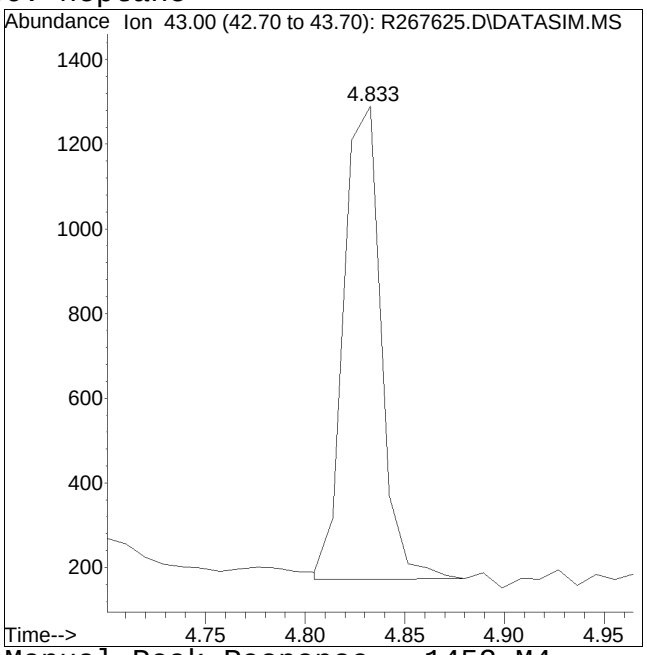
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #46: heptane



Original Peak Response = 1487



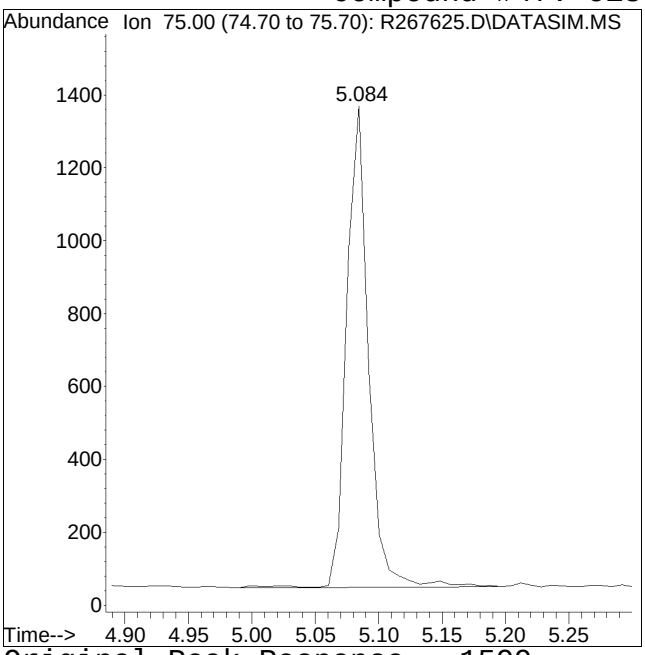
Manual Peak Response = 1452 M4

M4 = Poor automated baseline construction.

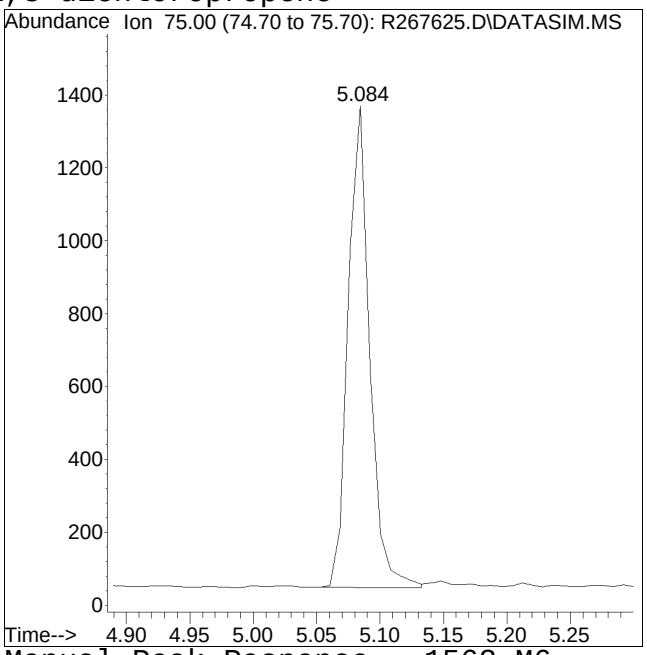
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #47: cis-1,3-dichloropropene



Original Peak Response = 1599



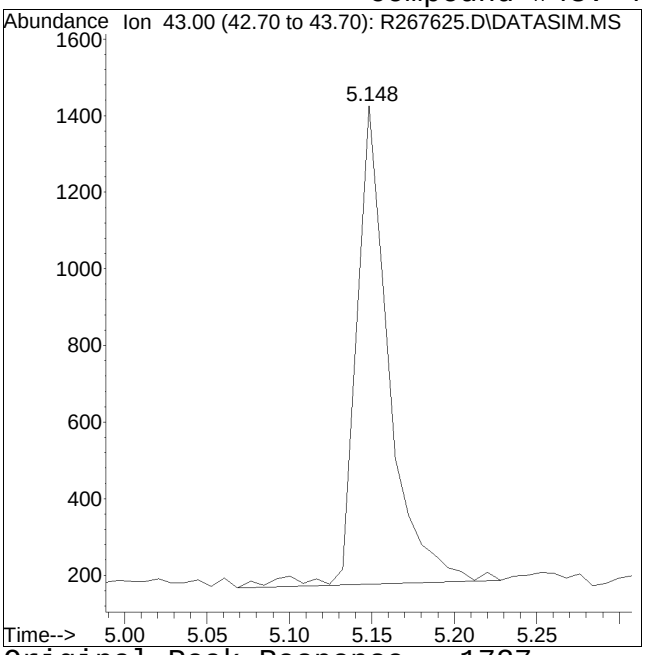
Manual Peak Response = 1562 M6

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

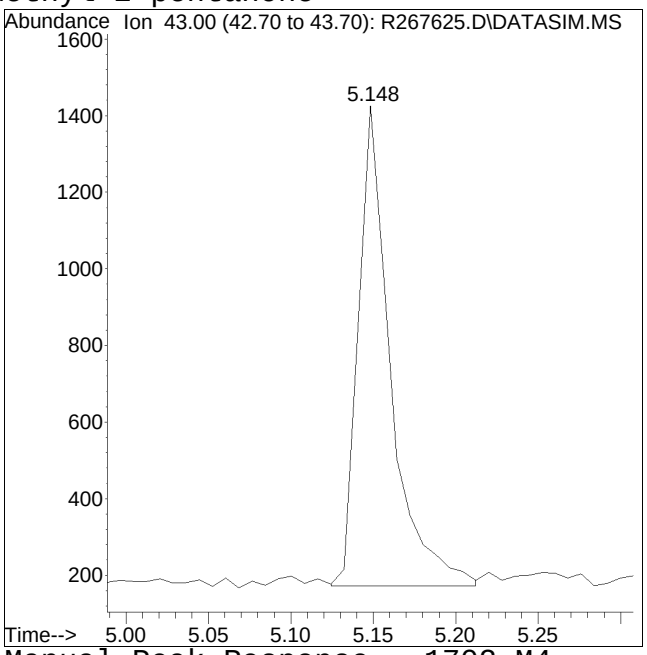
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 1727



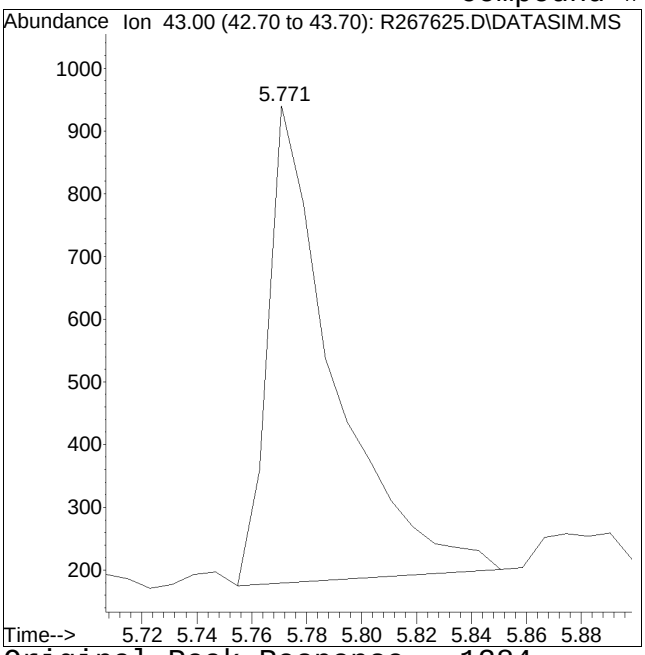
Manual Peak Response = 1702 M4

M4 = Poor automated baseline construction.

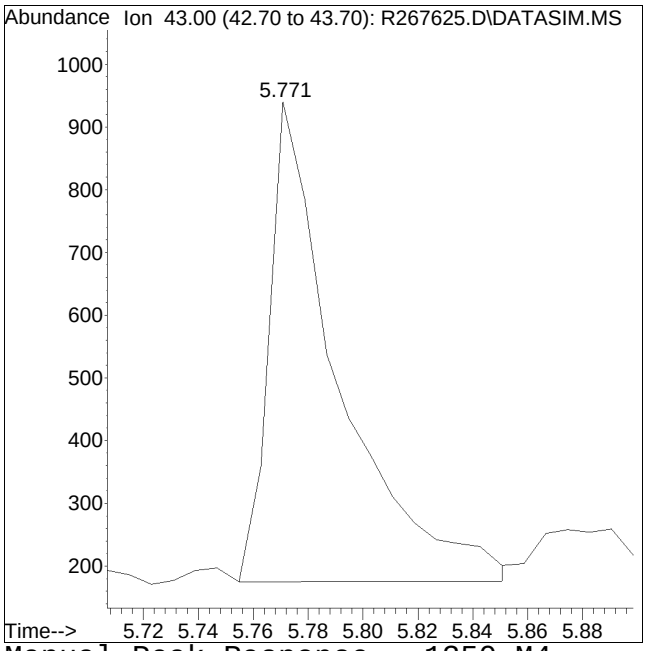
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #54: 2-hexanone



Original Peak Response = 1284



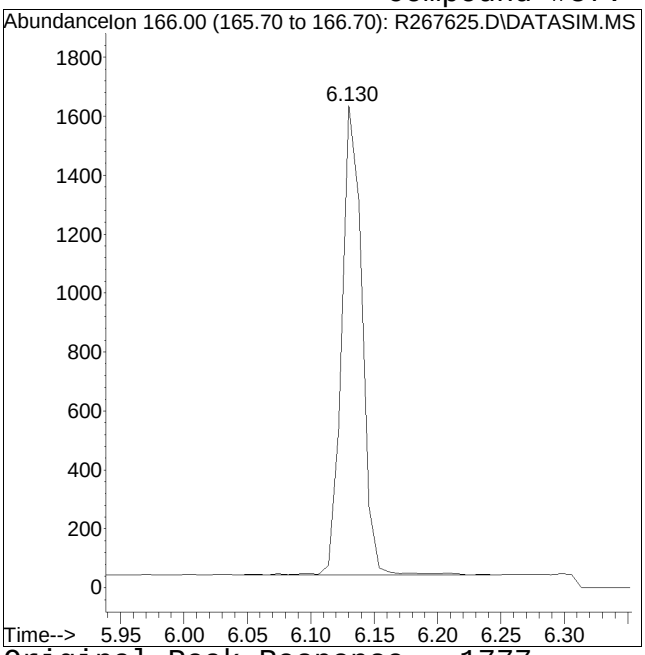
Manual Peak Response = 1350 M4

M4 = Poor automated baseline construction.

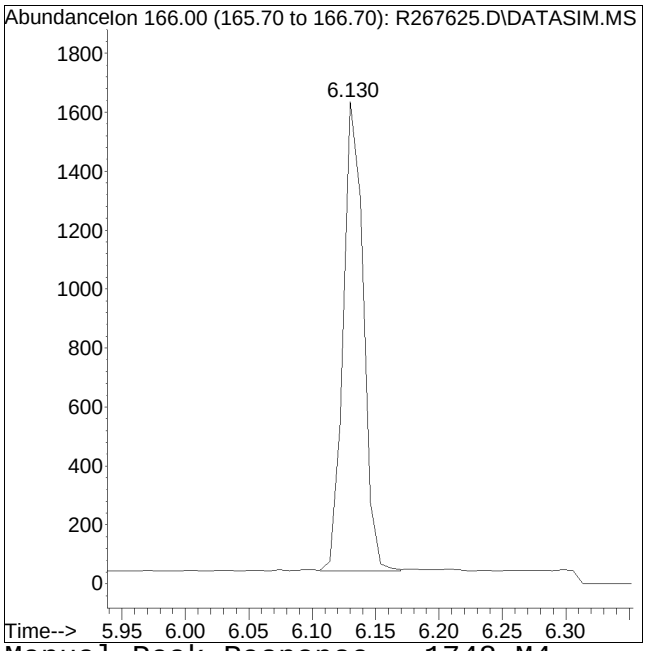
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #57: tetrachloroethene



Original Peak Response = 1777



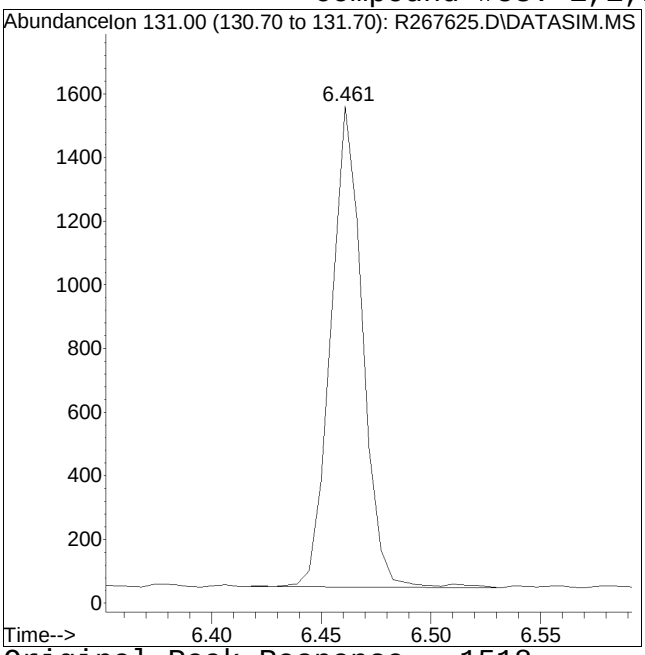
Manual Peak Response = 1748 M4

M4 = Poor automated baseline construction.

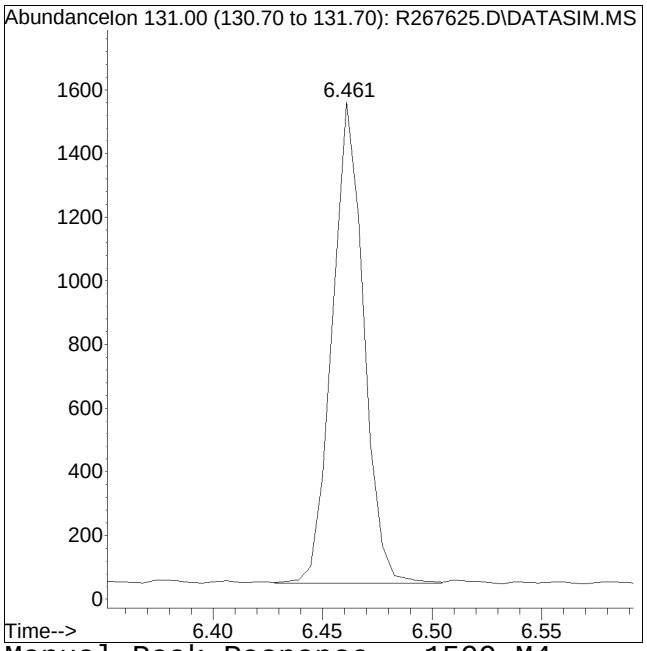
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #58: 1,1,1,2-tetrachloroethane



Original Peak Response = 1518



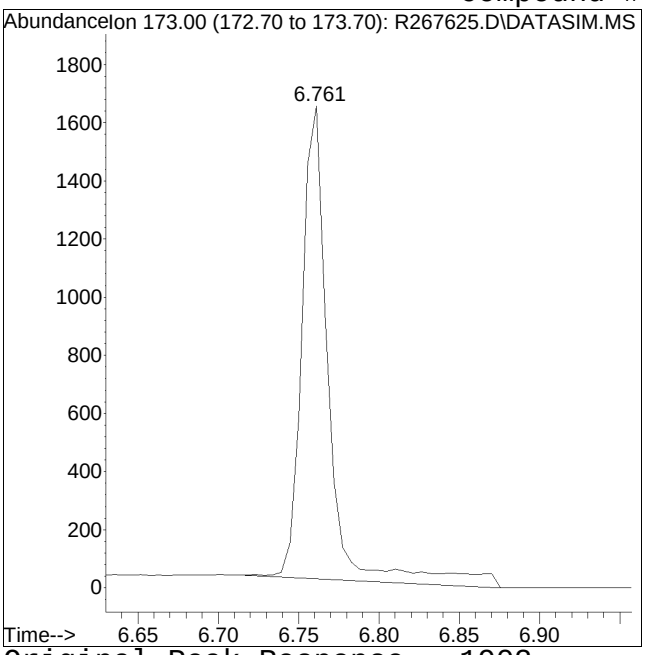
Manual Peak Response = 1509 M4

M4 = Poor automated baseline construction.

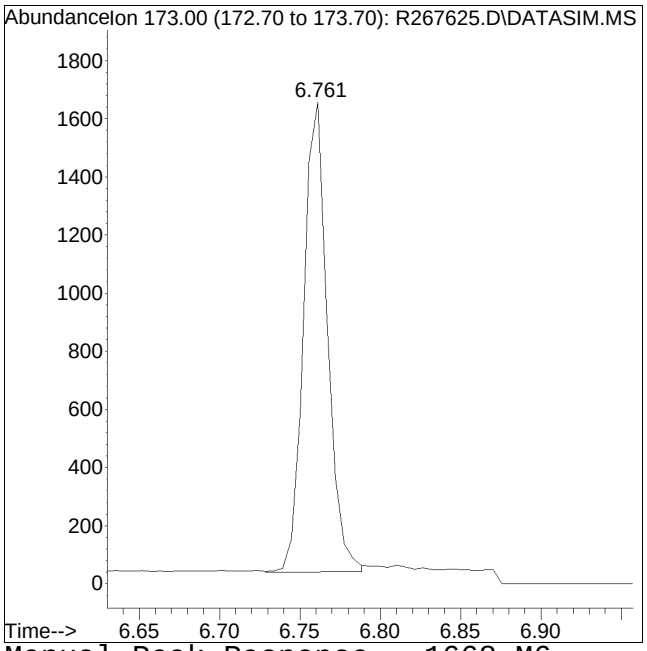
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #62: bromoform



Original Peak Response = 1902



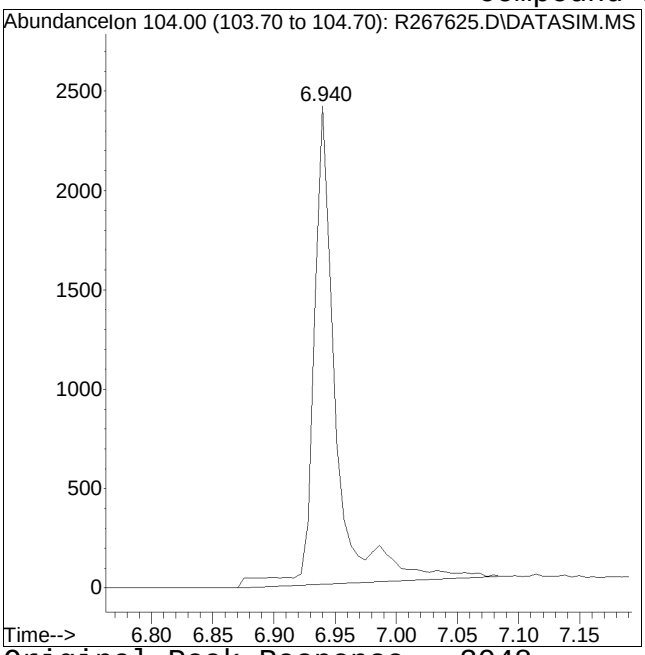
Manual Peak Response = 1668 M6

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

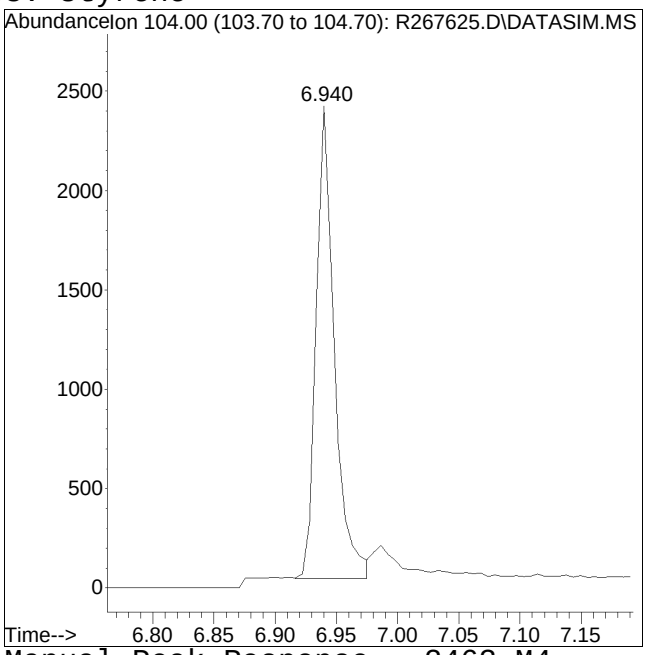
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #63: styrene



Original Peak Response = 3048



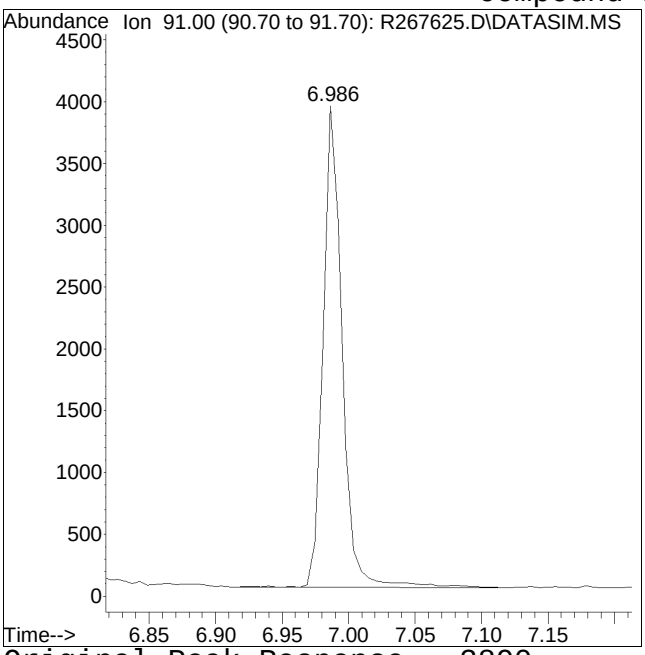
Manual Peak Response = 2463 M4

M4 = Poor automated baseline construction.

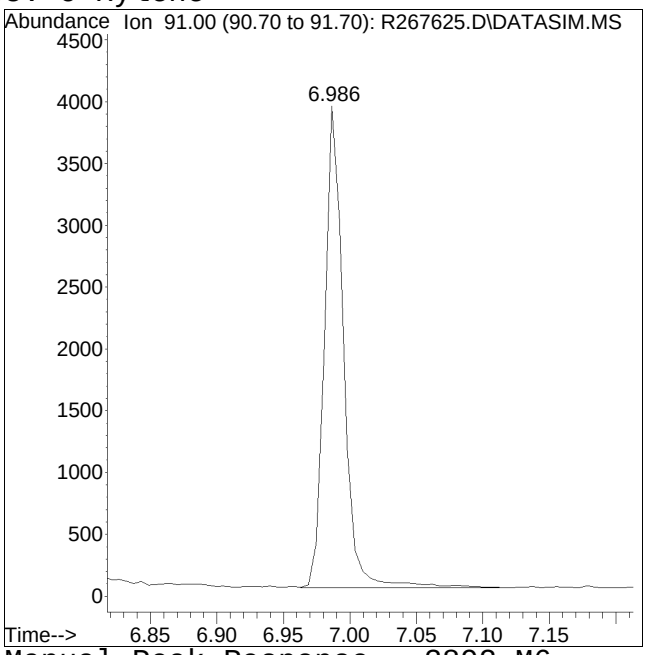
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #65: o-xylene



Original Peak Response = 3890



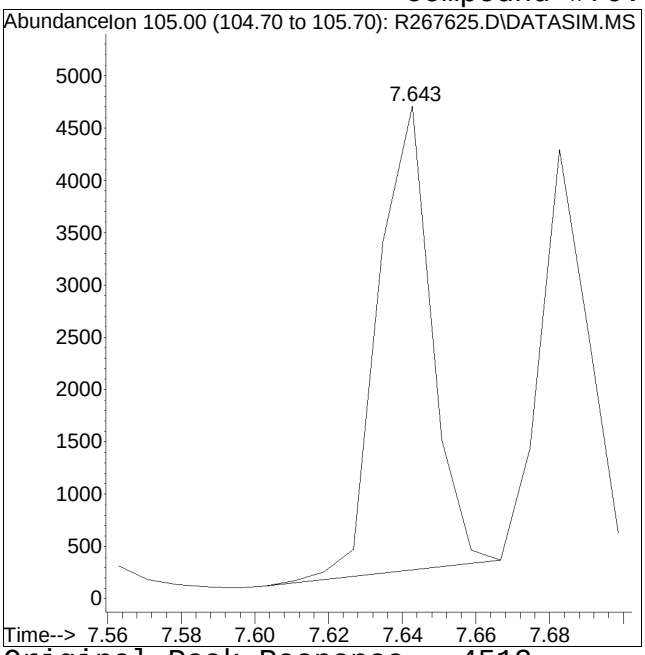
Manual Peak Response = 3892 M6

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

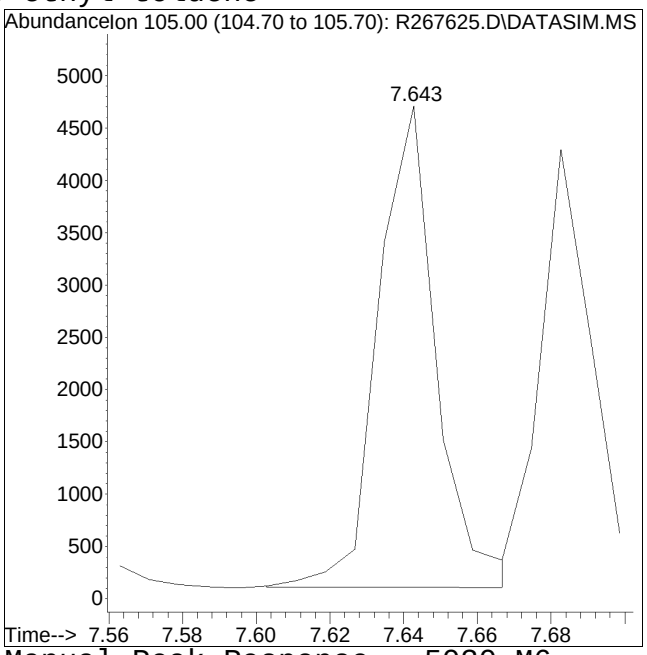
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 4512



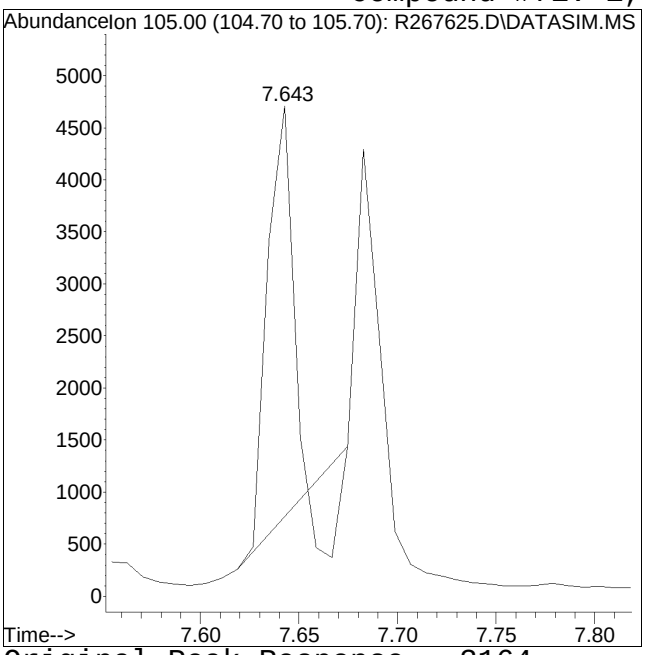
Manual Peak Response = 5030 M6

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

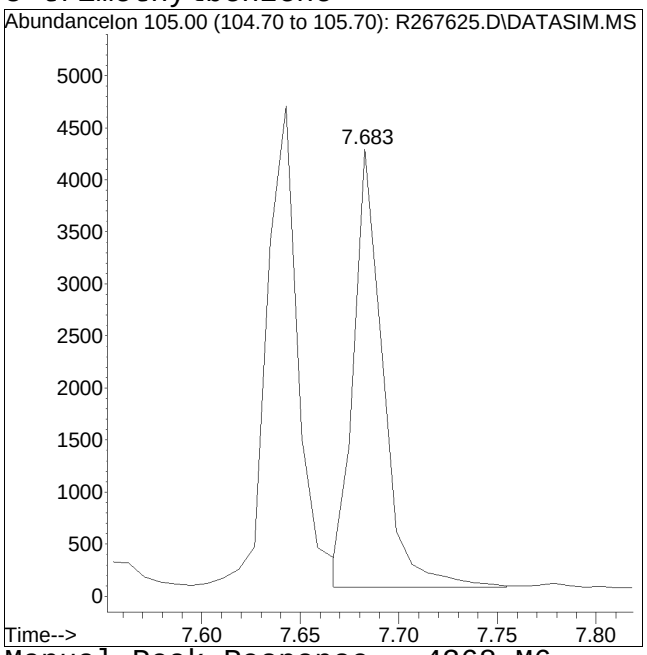
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 3164



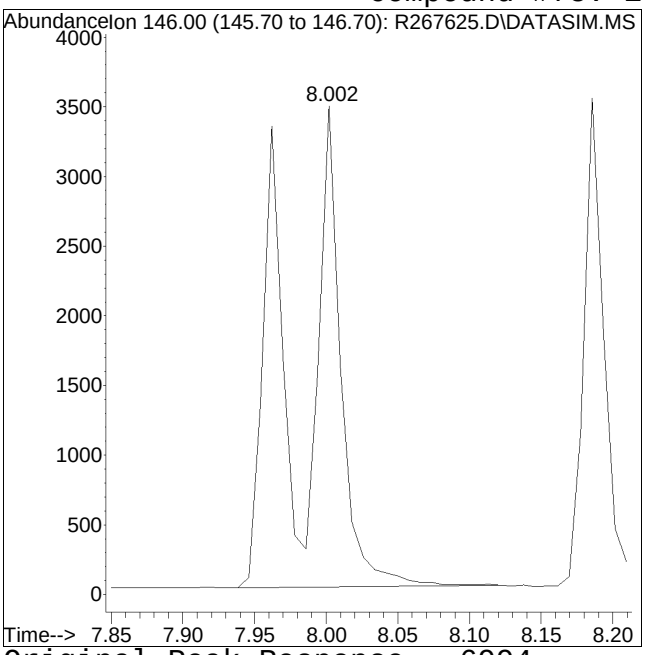
Manual Peak Response = 4368 M6

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

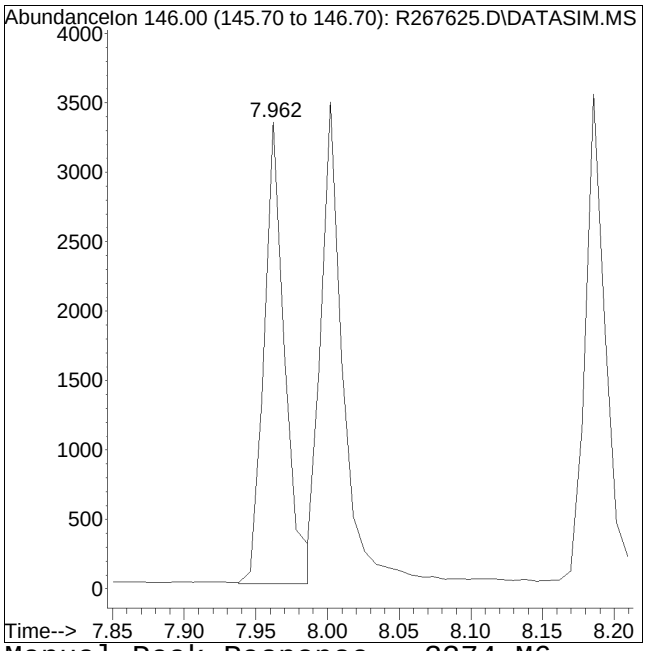
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 6994



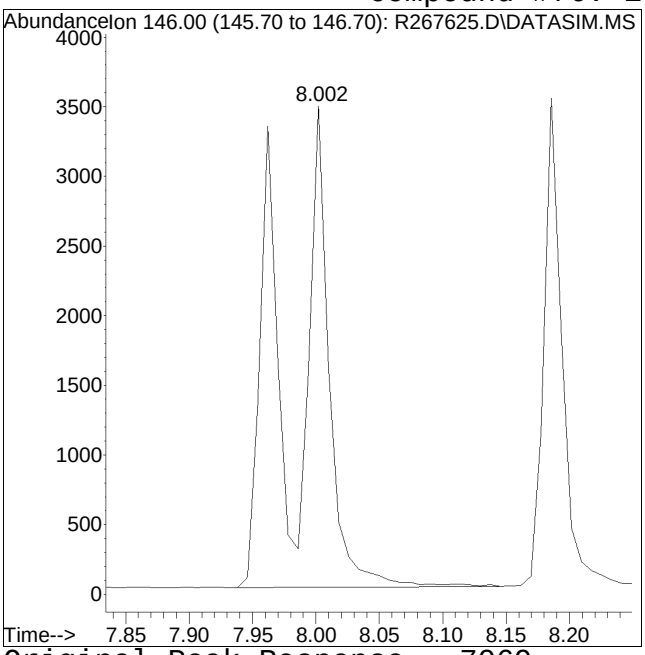
Manual Peak Response = 3374 M6

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

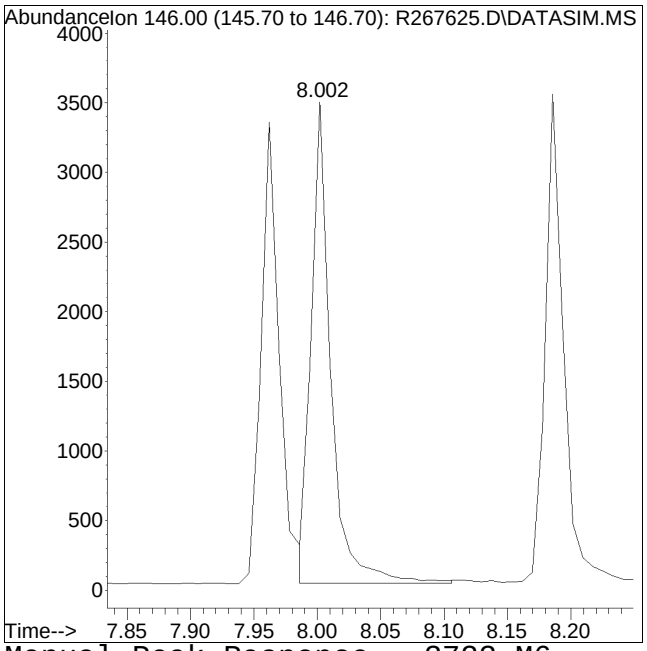
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267625.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 9:31 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.05 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 7069



Manual Peak Response = 3723 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267626.D
Acq On : 07 Jan 2026 10:04 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.1
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	208099	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 105.85%			
33) 1,4-difluorobenzene	4.324	114	692857	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 105.14%			
51) chlorobenzene-D5	6.439	54	93502	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 102.72%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	0.000	65	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
53) toluene-D8	0.000	98	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
67) bromofluorobenzene	0.000	95	0d	0.000	ppbV	
Spiked Amount 10.000	Range 70 - 130		Recovery = 0.00%#			
Target Compounds						Qvalue
2) propylene	1.933	41	1684M4	0.128	ppbV	
3) dichlorodifluoromethane	1.955	85	4662M6	0.109	ppbV	
4) chloromethane	1.999	50	1782M6	0.103	ppbV	
5) Freon-114	2.026	85	5143	0.111	ppbV	98
6) vinyl chloride	2.059	62	1958M6	0.112	ppbV	
7) 1,3-butadiene	2.103	54	1278M4	0.118	ppbV	
8) bromomethane	2.180	94	1853	0.112	ppbV	98
9) chloroethane	2.230	64	1093M4	0.112	ppbV	
10) ethanol	2.268	31	4354	0.587	ppbV	96
11) vinyl bromide	2.329	106	1880M6	0.116	ppbV	
12) acrolein	2.369	56	1005M6	0.126	ppbV	
13) acetone	2.409	43	14952	0.845	ppbV #	91
14) trichlorofluoromethane	2.454	101	4382	0.113	ppbV	100
15) isopropyl alcohol	2.482	45	9360	0.502	ppbV	100
16) acrylonitrile	2.533	53	1520M6	0.117	ppbV	
17) 1,1-dichloroethene	2.634	61	2678M6	0.112	ppbV	
18) tertiary butyl alcohol	2.658	59	4963	0.175	ppbV #	96
19) methylene chloride	2.663	49	2137M4	0.127	ppbV	
20) 3-chloropropene	2.701	41	1676M4	0.115	ppbV	
21) carbon disulfide	2.753	76	5279	0.124	ppbV #	73
22) Freon 113	2.753	101	3965M6	0.114	ppbV	
23) trans-1,2-dichloroethene	2.971	61	2312	0.115	ppbV	95
24) 1,1-dichloroethane	3.042	63	3093M6	0.111	ppbV	

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267626.D
Acq On : 07 Jan 2026 10:04 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.1
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.086	73	4660	0.121	ppbV	#	36
26) vinyl acetate	3.113	43	3008M6	0.107	ppbV		
27) 2-butanone	3.219	43	3516M6	0.107	ppbV		
28) cis-1,2-dichloroethene	3.366	61	2608M6	0.110	ppbV		
29) Ethyl Acetate	3.501	61	963M6	0.178	ppbV		
30) chloroform	3.493	83	4137	0.115	ppbV	#	100
31) Tetrahydrofuran	3.695	42	1532M6	0.112	ppbV		
32) 1,2-dichloroethane	3.809	62	2334	0.113	ppbV		97
34) hexane	3.471	57	3043	0.132	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	3786	0.108	ppbV	#	14
37) benzene	4.126	78	6543M6	0.112	ppbV		
38) carbon tetrachloride	4.201	117	3597	0.107	ppbV	#	29
39) cyclohexane	4.258	56	2863M6	0.118	ppbV		
40) Dibromomethane	4.503	93	2544	0.112	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	2394	0.114	ppbV	#	1
42) bromodichloromethane	4.616	83	4023	0.114	ppbV	#	100
43) 1,4-dioxane	4.701	88	974	0.090	ppbV	#	1
44) trichloroethene	4.644	130	2955	0.108	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	8503	0.118	ppbV	#	55
46) heptane	4.833	43	2772M6	0.114	ppbV		
47) cis-1,3-dichloropropene	5.084	75	3175	0.106	ppbV	#	100
48) 4-methyl-2-pentanone	5.140	43	3450M6	0.103	ppbV		
49) trans-1,3-dichloropropene	5.356	75	2368	0.105	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	2772	0.108	ppbV	#	1
52) toluene	5.571	91	7853	0.114	ppbV		99
54) 2-hexanone	5.763	43	2695M6	0.084	ppbV		
55) dibromochloromethane	5.763	129	3843	0.112	ppbV		98
56) 1,2-dibromoethane	5.883	107	4080	0.113	ppbV		97
57) tetrachloroethene	6.130	166	3593	0.116	ppbV		99
58) 1,1,1,2-tetrachloroethane	6.461	131	3005	0.105	ppbV	#	99
59) chlorobenzene	6.461	112	6385	0.113	ppbV	#	45
60) ethylbenzene	6.668	91	9783	0.110	ppbV		99
61) m+p-xylene	6.761	91	16026	0.232	ppbV		98
62) bromoform	6.761	173	3252	0.106	ppbV		95
63) styrene	6.940	104	5121M6	0.097	ppbV		
64) 1,1,2,2-tetrachloroethane	6.980	83	6210M6	0.117	ppbV		
65) o-xylene	6.986	91	7696	0.114	ppbV		97
66) 1,2,3-Trichloropropane	7.050	75	4474	0.111	ppbV		99
68) isopropylbenzene	7.295	105	11250	0.111	ppbV		98
69) Bromobenzene	7.306	77	7609	0.118	ppbV		92

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267626.D
Acq On : 07 Jan 2026 10:04 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.1
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 08 06:25:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

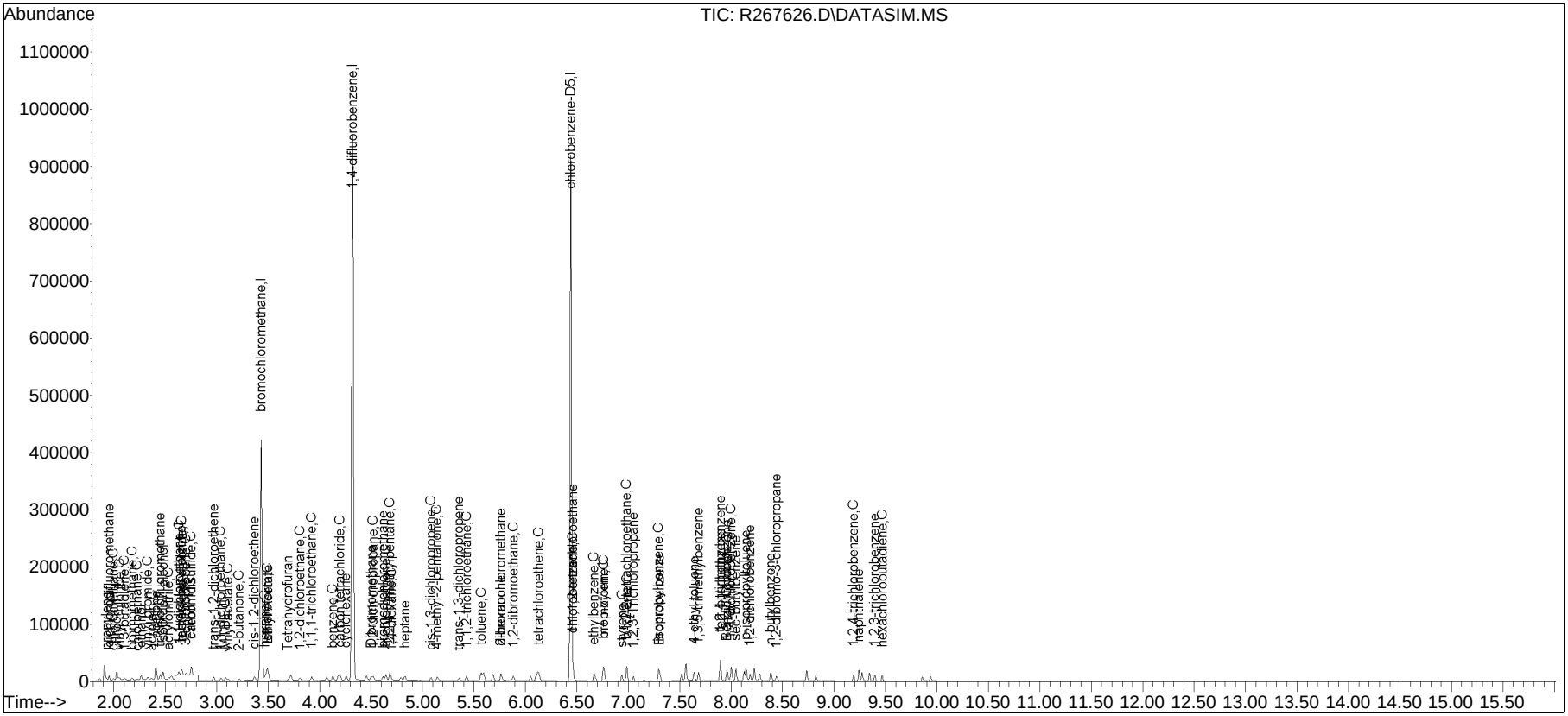
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	7.641	105	10082M6	0.111	ppbV	
71) 1,3,5-trimethylbenzene	7.680	105	8092M6	0.109	ppbV	
72) tert-butylbenzene	7.896	119	9791	0.110	ppbV	99
73) 1,2,4-trimethylbenzene	7.896	105	8830	0.110	ppbV	99
74) Benzyl Chloride	7.960	91	6817	0.105	ppbV	99
75) 1,3-dichlorobenzene	7.960	146	6707M6	0.111	ppbV	
76) 1,4-dichlorobenzene	8.000	146	7439M6	0.124	ppbV	
77) sec-butylbenzene	8.048	105	13931	0.110	ppbV	100
78) p-isopropyltoluene	8.143	119	12183	0.108	ppbV	100
79) 1,2-dichlorobenzene	8.183	146	6808M6	0.116	ppbV	
80) n-butylbenzene	8.383	91	11589	0.109	ppbV	98
81) 1,2-dibromo-3-chloropr...	8.439	75	3002M6	0.111	ppbV	
82) 1,2,4-trichlorobenzene	9.189	180	7067	0.124	ppbV	99
83) naphthalene	9.242	128	17321	0.115	ppbV	99
84) 1,2,3-trichlorobenzene	9.394	180	6890	0.104	ppbV	99
85) hexachlorobutadiene	9.470	225	4464	0.115	ppbV	97

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267626.D
Acq On : 07 Jan 2026 10:04 pm
Operator : AIRLAB26:KJD
Sample : ITO15-SIMSTD0.1
Misc : WG2163147
ALS Vial : 5 Sample Multiplier: 1

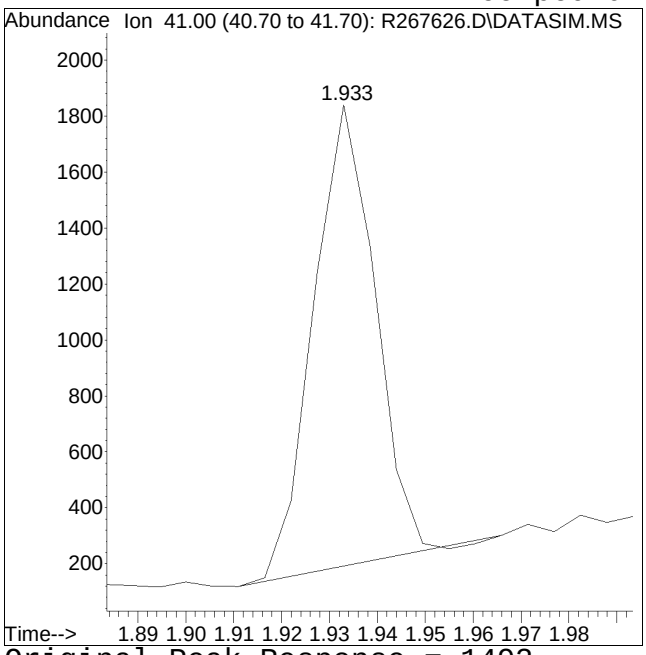
Quant Time: Jan 08 06:25:15 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration



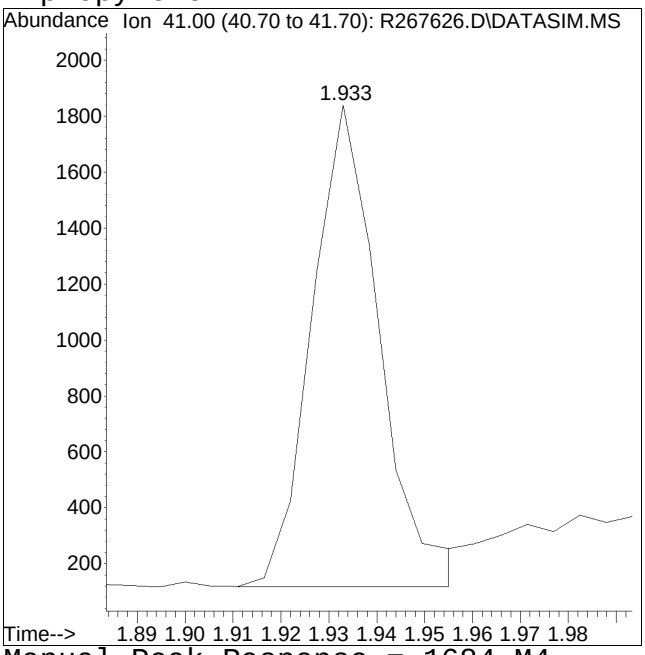
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #2: propylene



Original Peak Response = 1492



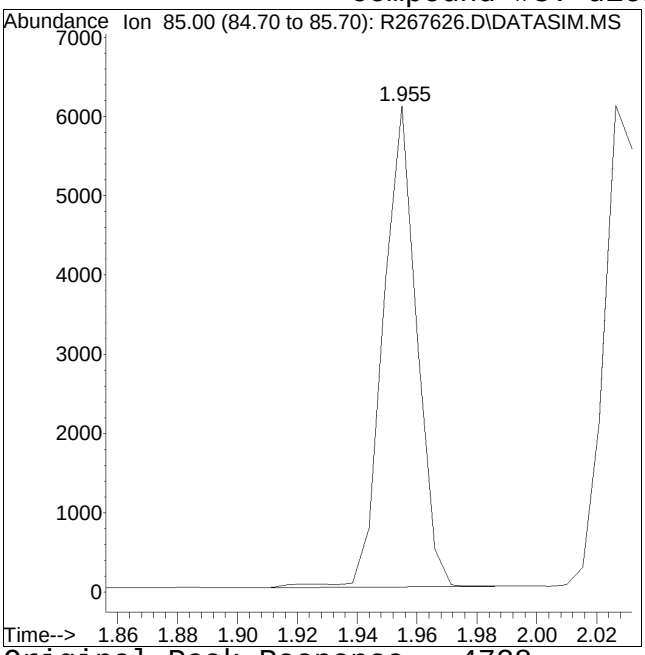
Manual Peak Response = 1684 M4

M4 = Poor automated baseline construction.

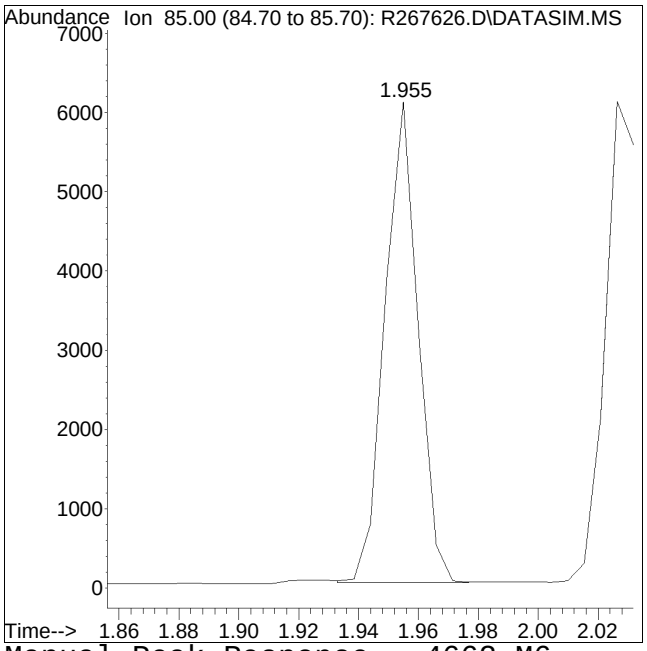
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #3: dichlorodifluoromethane



Original Peak Response = 4728



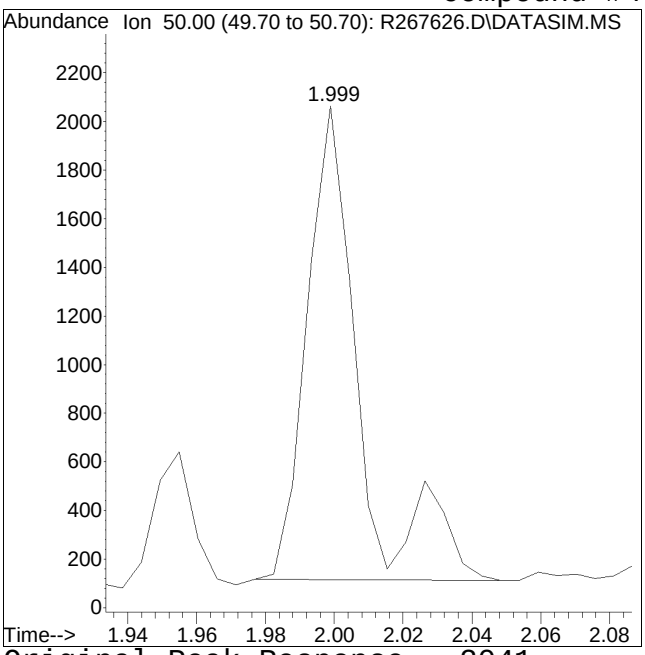
Manual Peak Response = 4662 M6

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

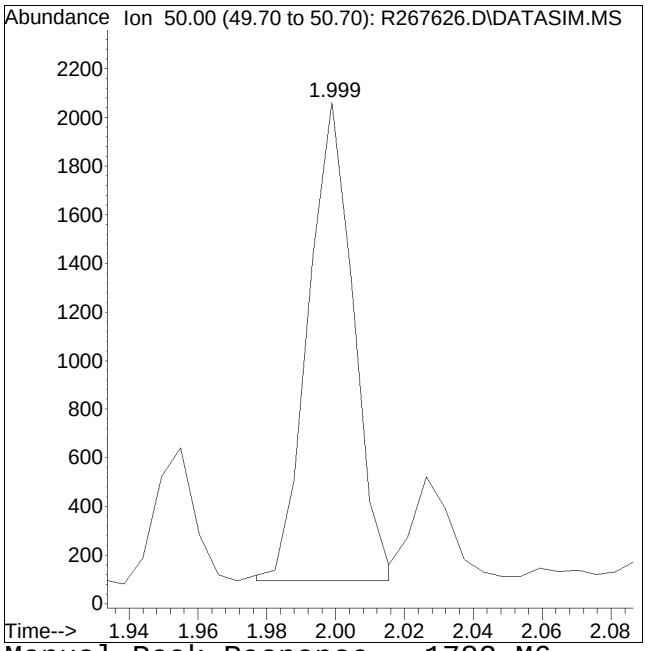
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 2041



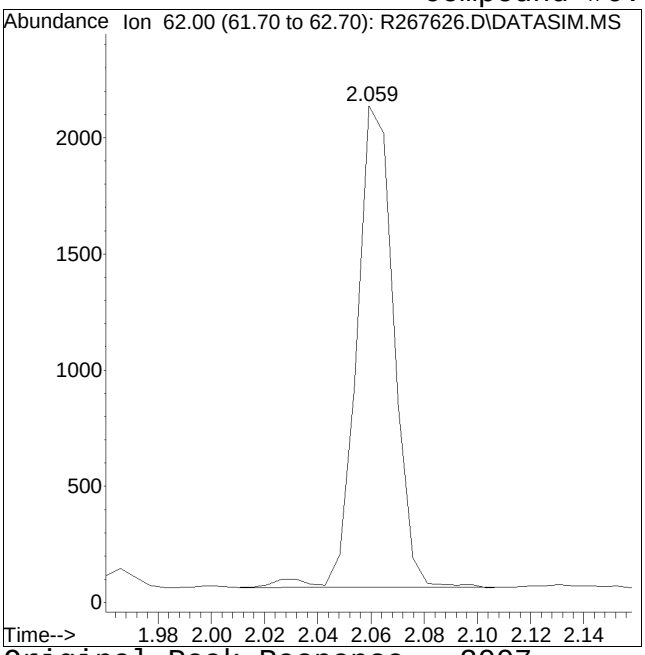
Manual Peak Response = 1782 M6

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

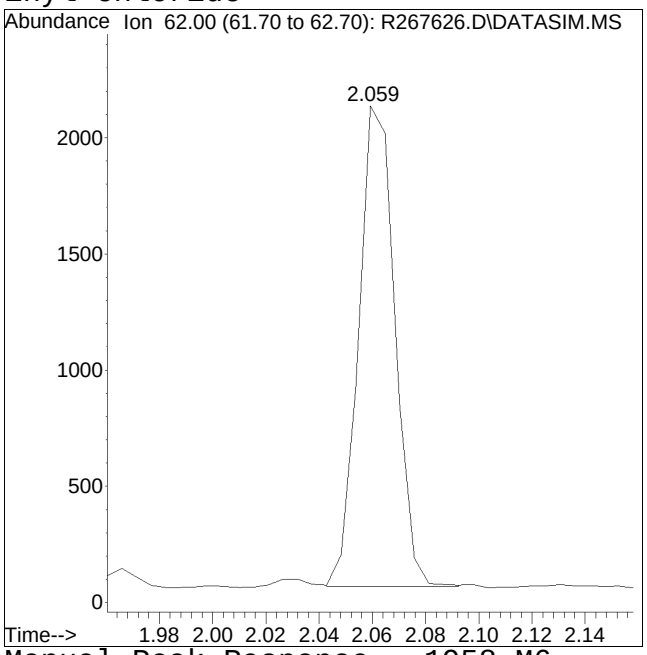
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #6: vinyl chloride



Original Peak Response = 2007



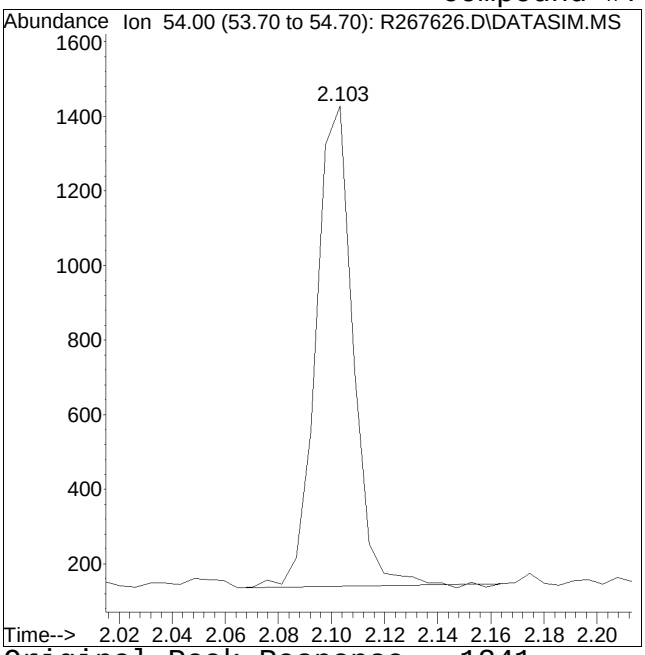
Manual Peak Response = 1958 M6

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

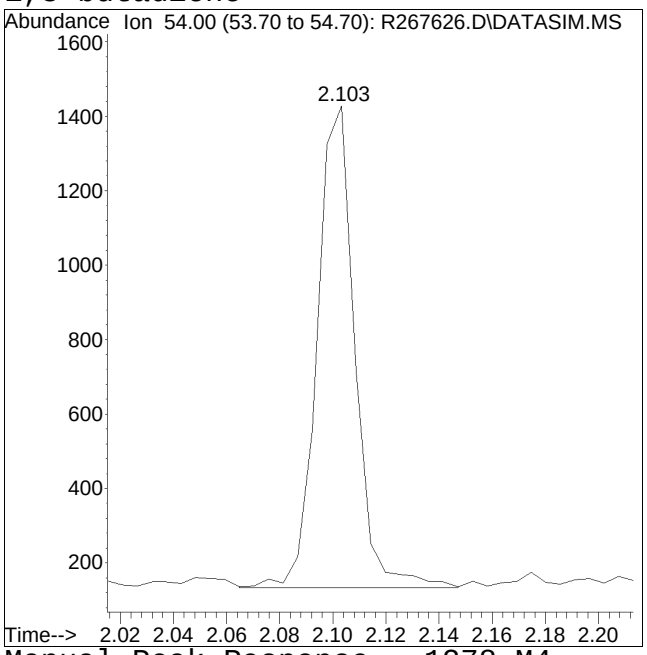
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #7: 1,3-butadiene



Original Peak Response = 1241



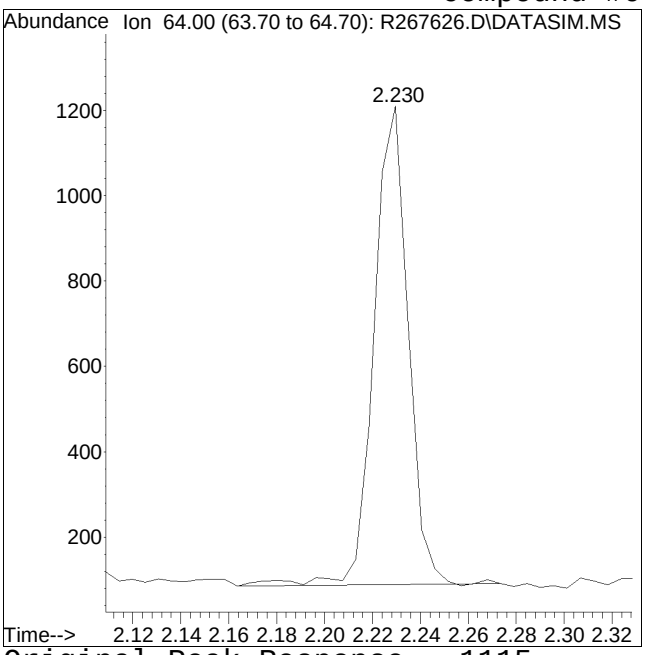
Manual Peak Response = 1278 M4

M4 = Poor automated baseline construction.

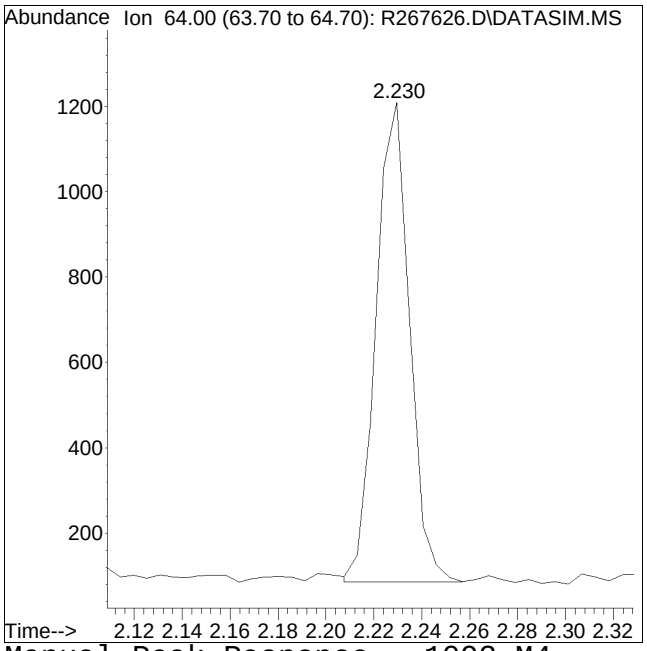
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #9: chloroethane



Original Peak Response = 1115



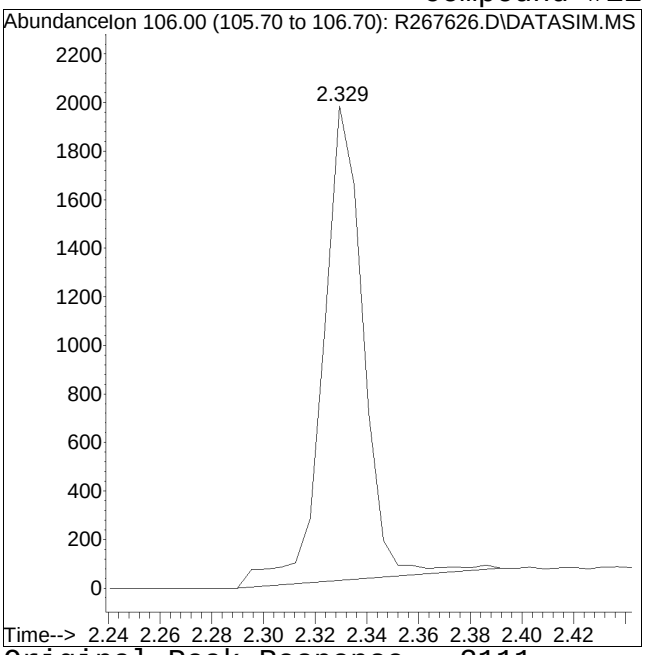
Manual Peak Response = 1093 M4

M4 = Poor automated baseline construction.

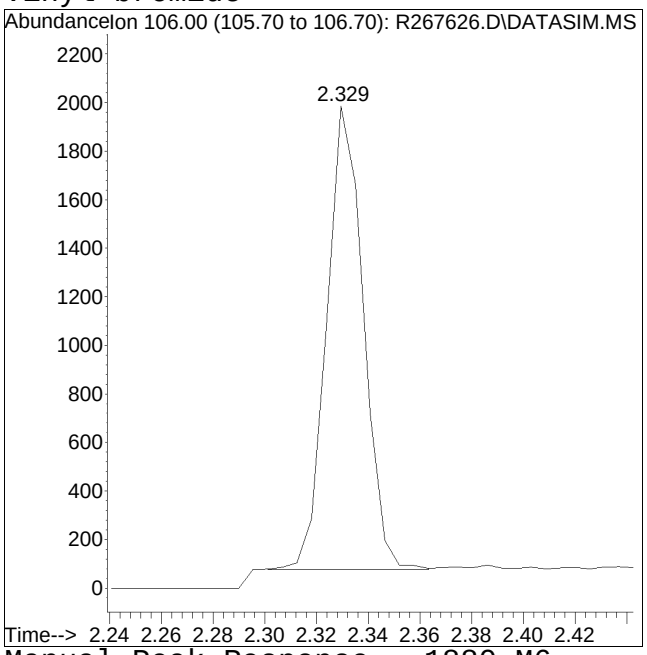
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #11: vinyl bromide



Original Peak Response = 2111



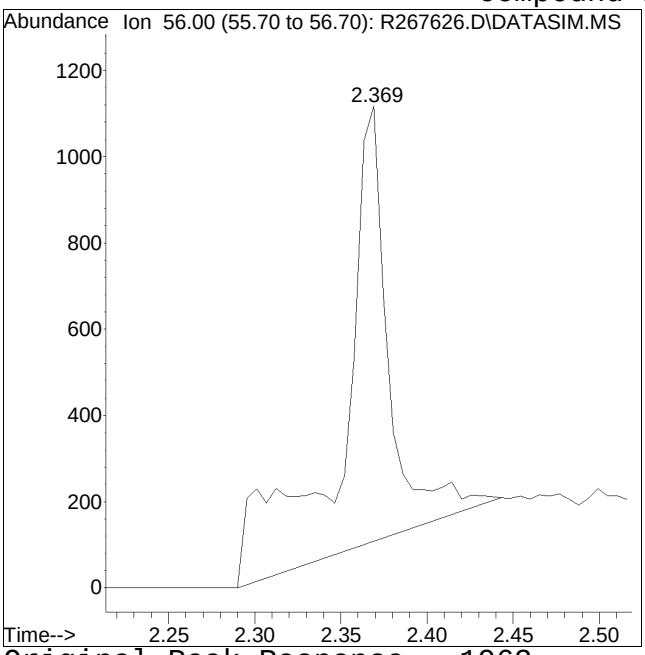
Manual Peak Response = 1880 M6

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

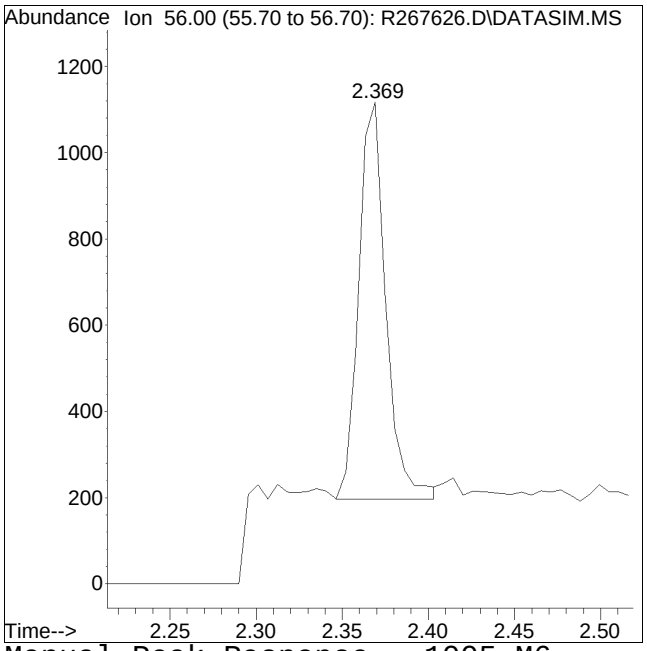
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #12: acrolein



Original Peak Response = 1962



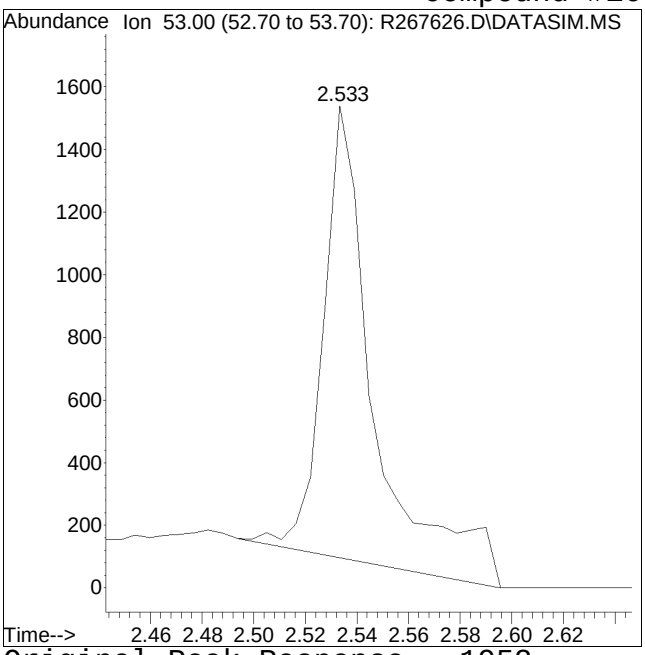
Manual Peak Response = 1005 M6

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

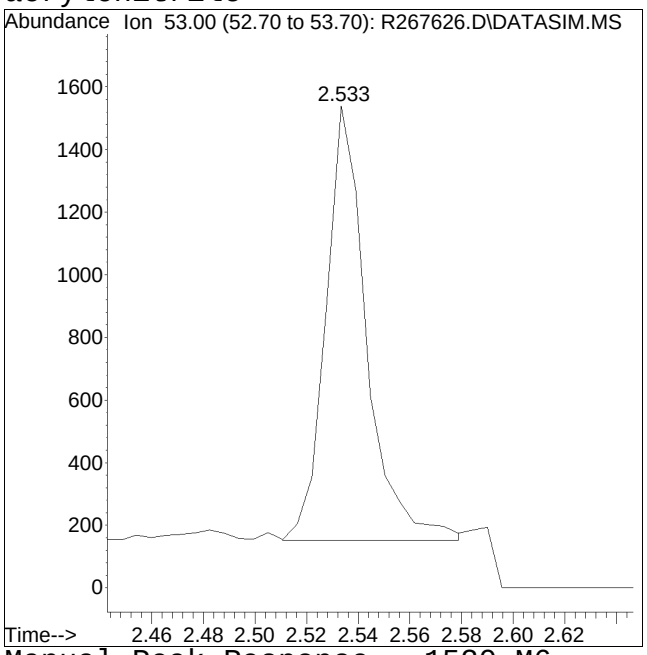
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #16: acrylonitrile



Original Peak Response = 1952



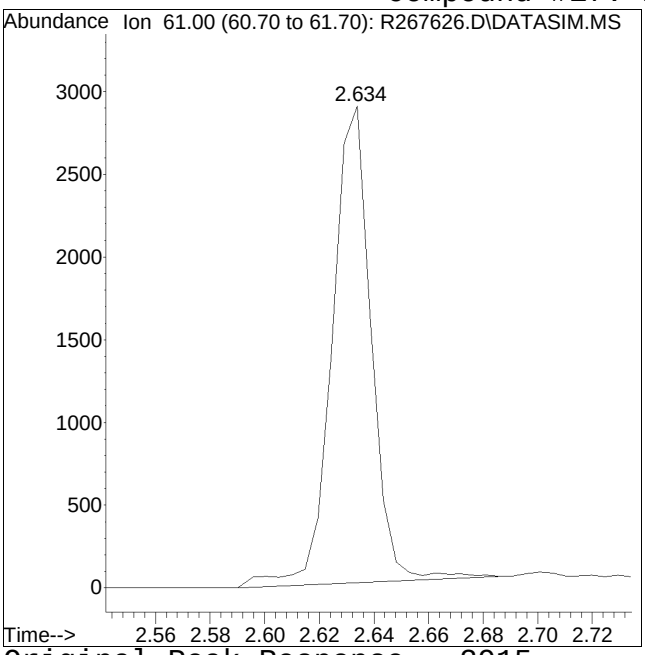
Manual Peak Response = 1520 M6

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

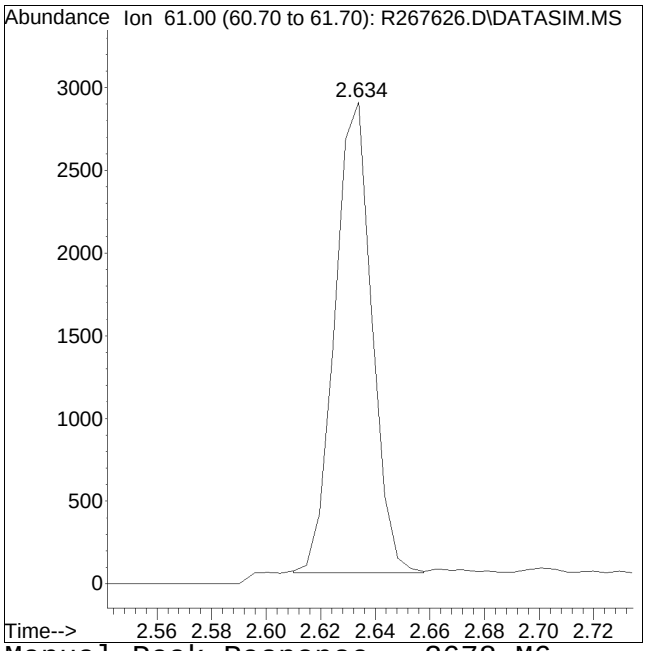
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 2915



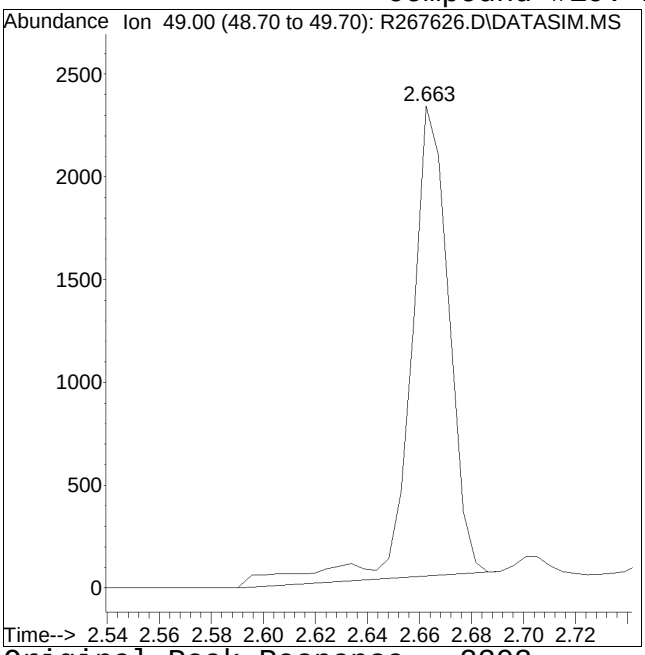
Manual Peak Response = 2678 M6

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

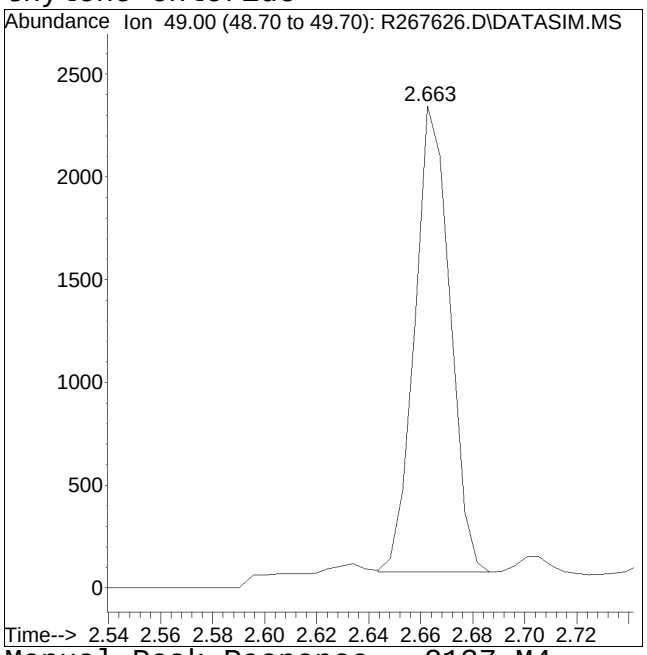
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #19: methylene chloride



Original Peak Response = 2393



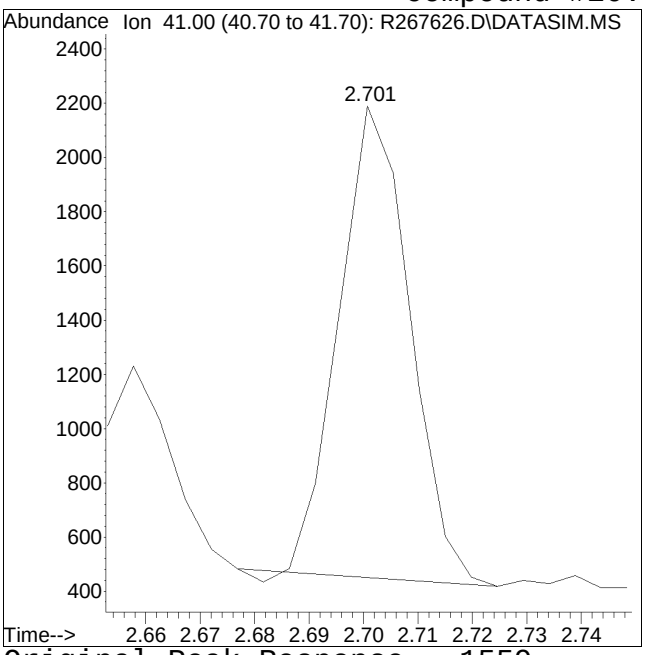
Manual Peak Response = 2137 M4

M4 = Poor automated baseline construction.

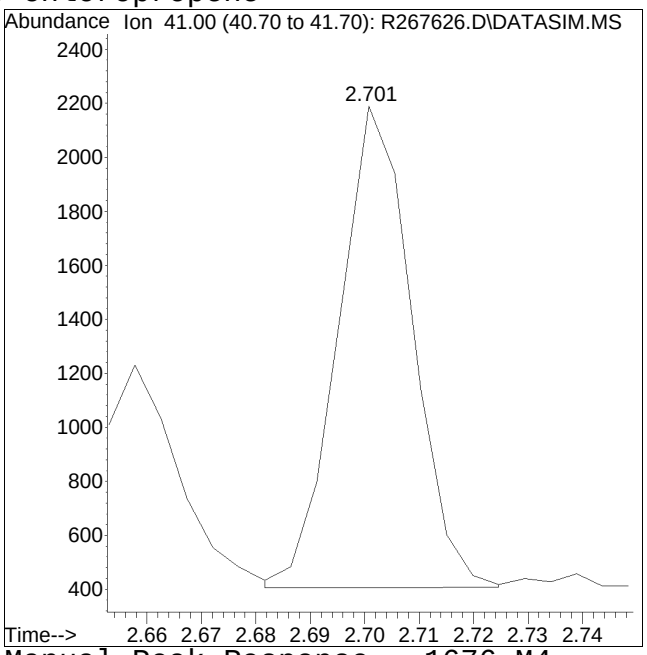
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #20: 3-chloropropene



Original Peak Response = 1559



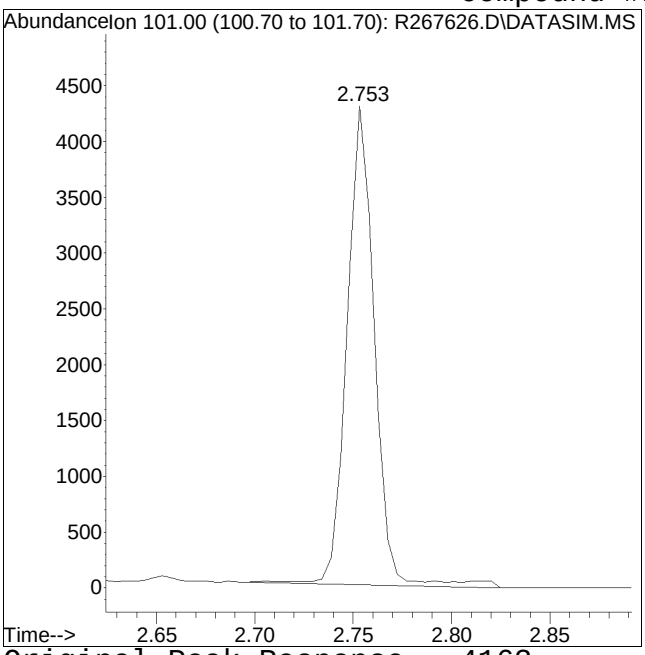
Manual Peak Response = 1676 M4

M4 = Poor automated baseline construction.

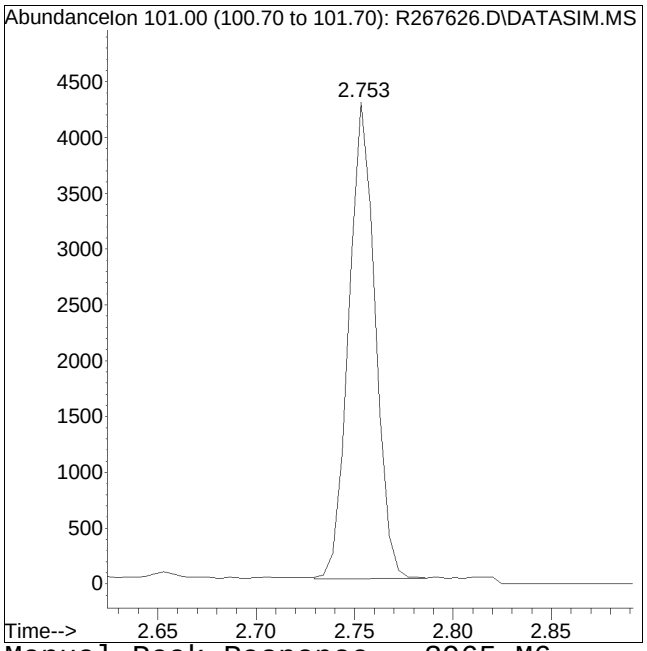
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #22: Freon 113



Original Peak Response = 4163



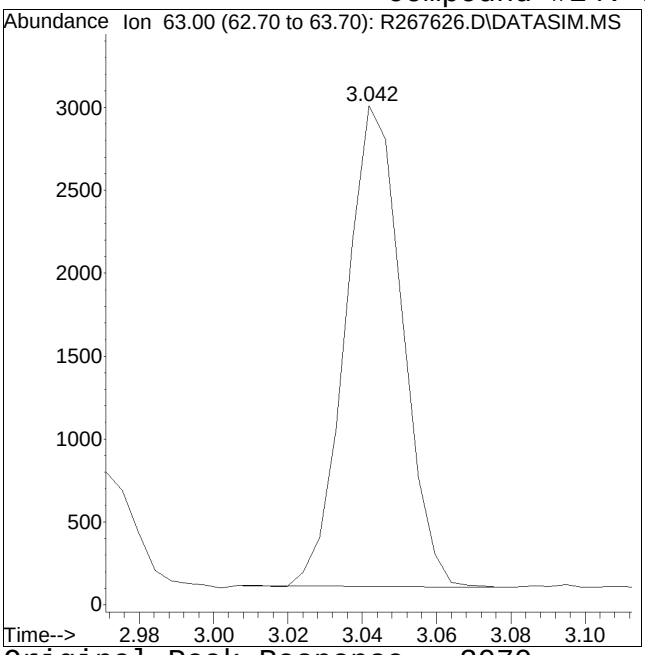
Manual Peak Response = 3965 M6

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

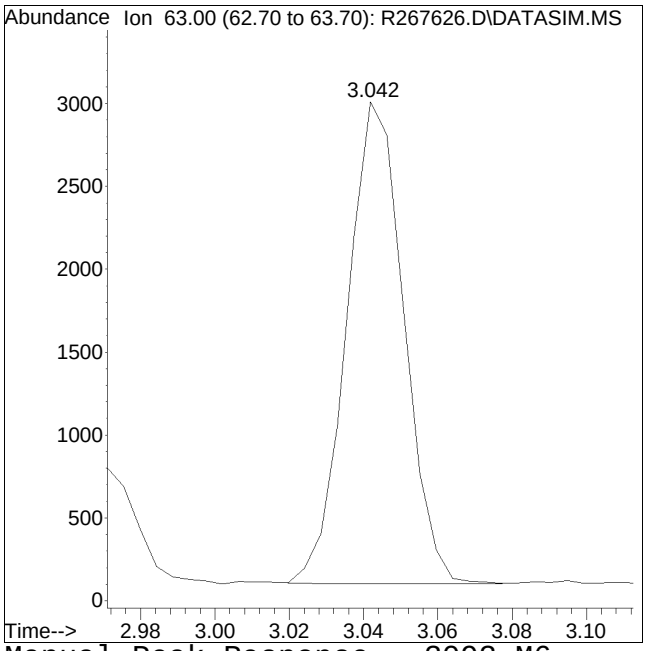
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #24: 1,1-dichloroethane



Original Peak Response = 3070



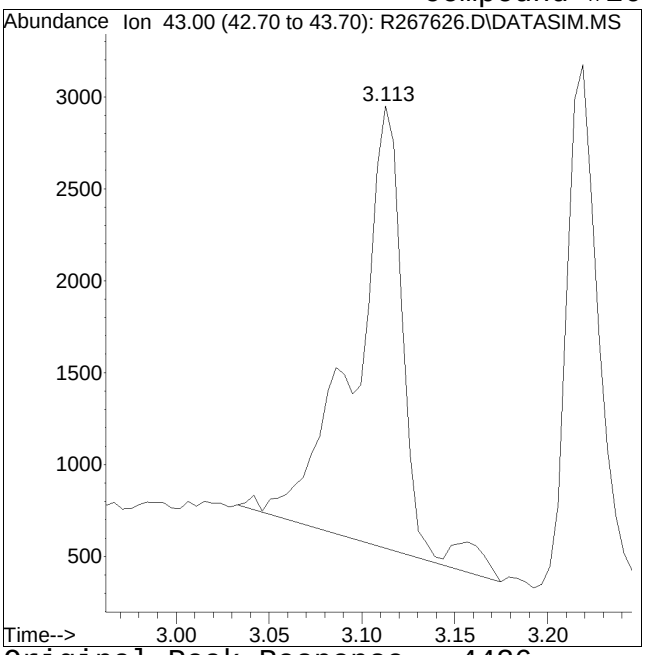
Manual Peak Response = 3093 M6

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

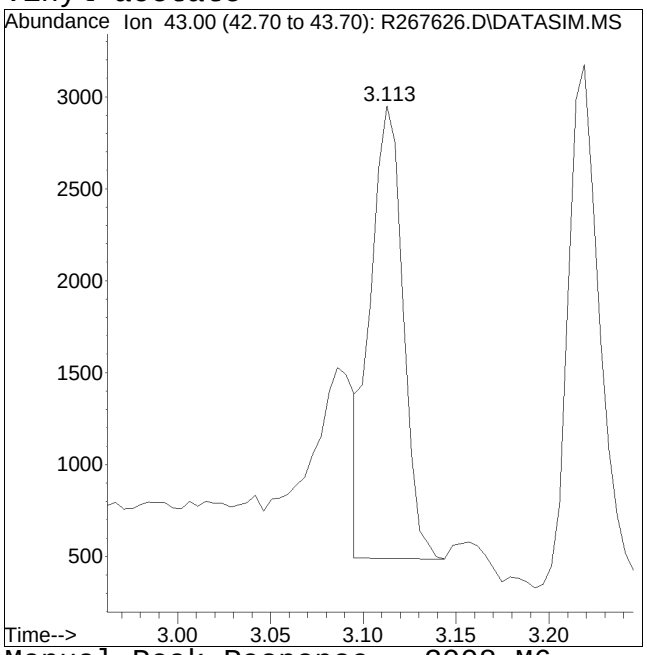
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 4426



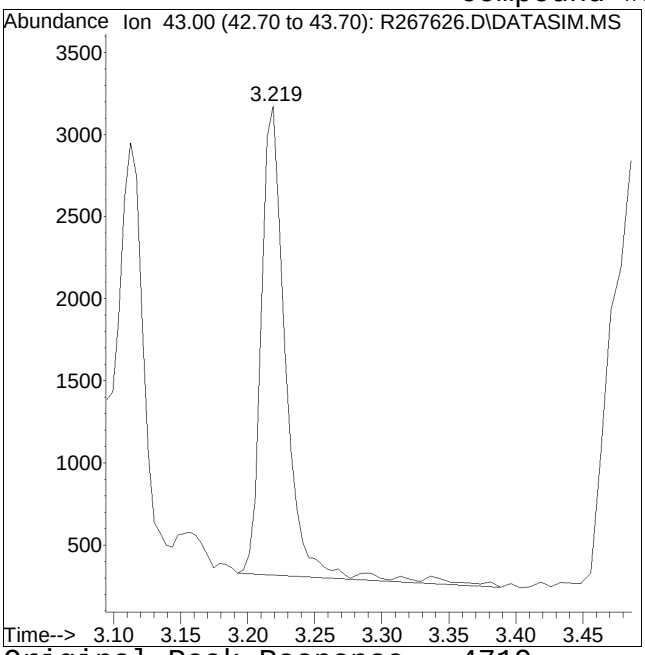
Manual Peak Response = 3008 M6

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

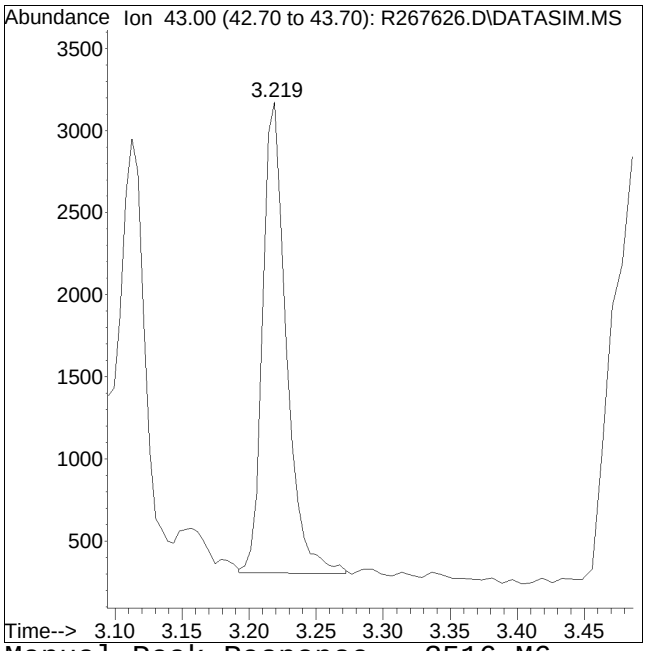
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #27: 2-butanone



Original Peak Response = 4719



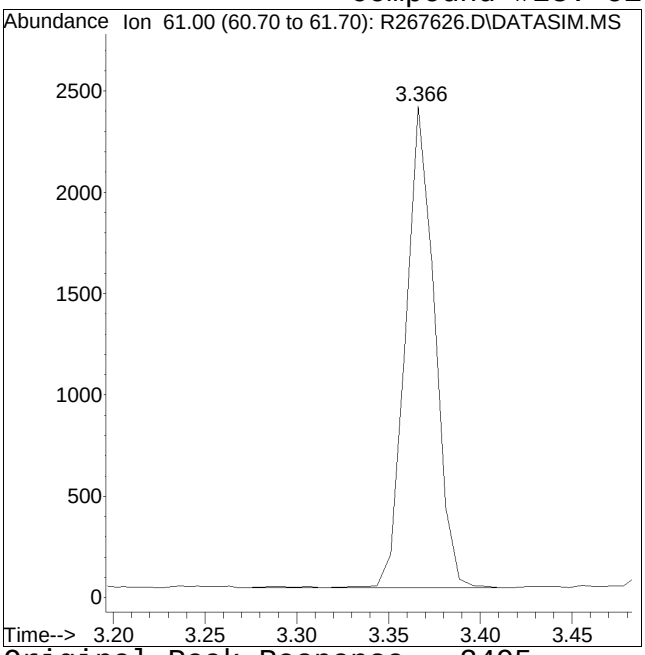
Manual Peak Response = 3516 M6

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

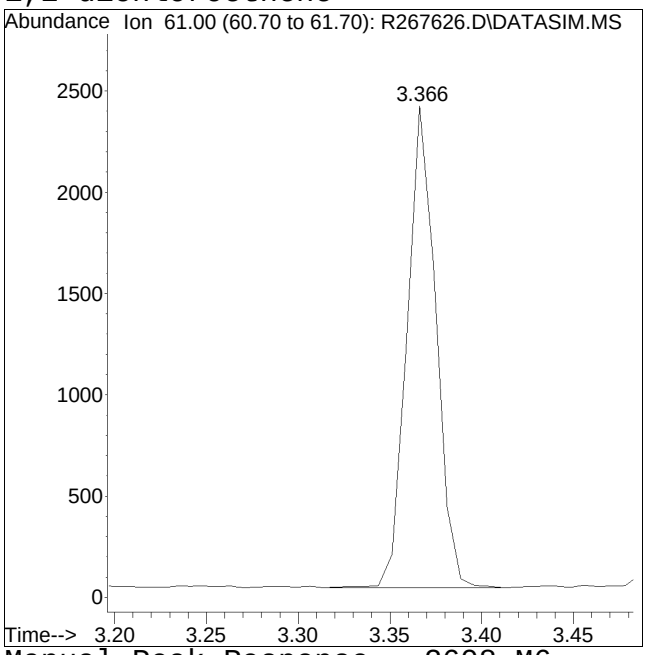
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #28: cis-1,2-dichloroethene



Original Peak Response = 2495



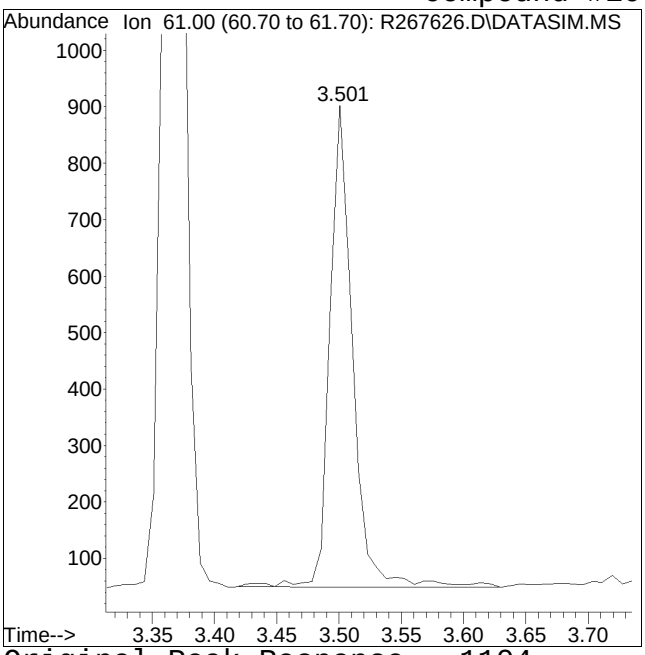
Manual Peak Response = 2608 M6

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

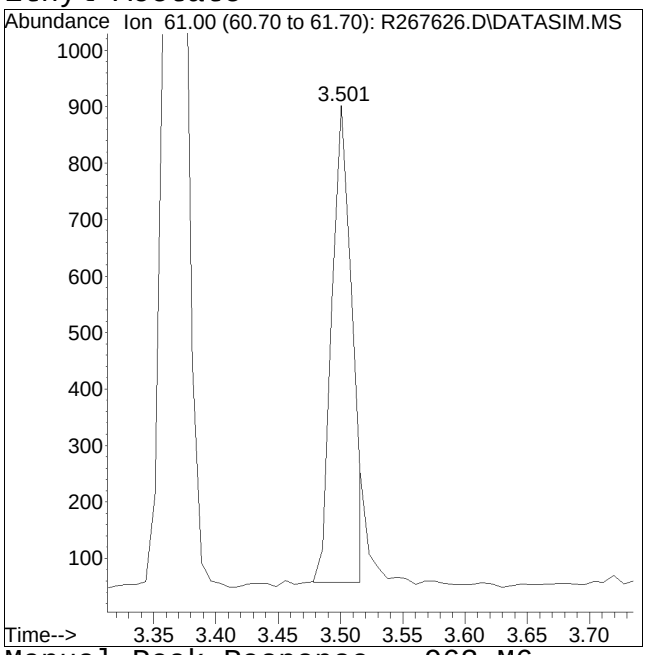
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 1104



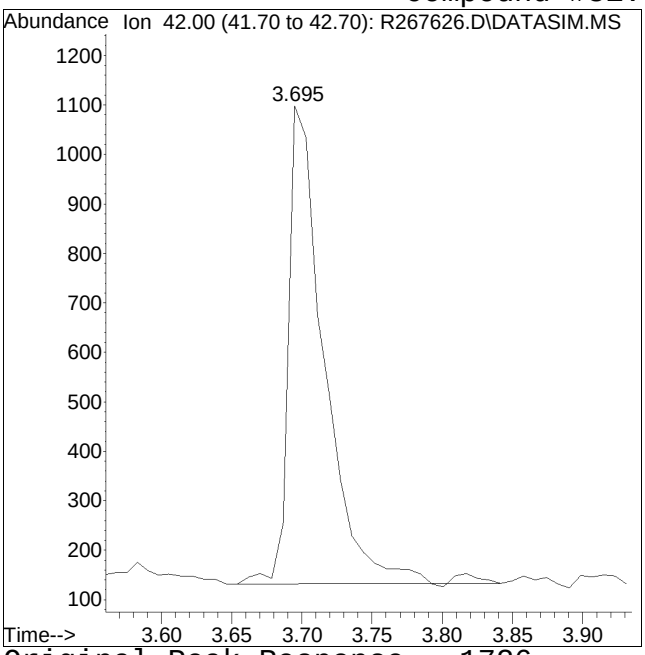
Manual Peak Response = 963 M6

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

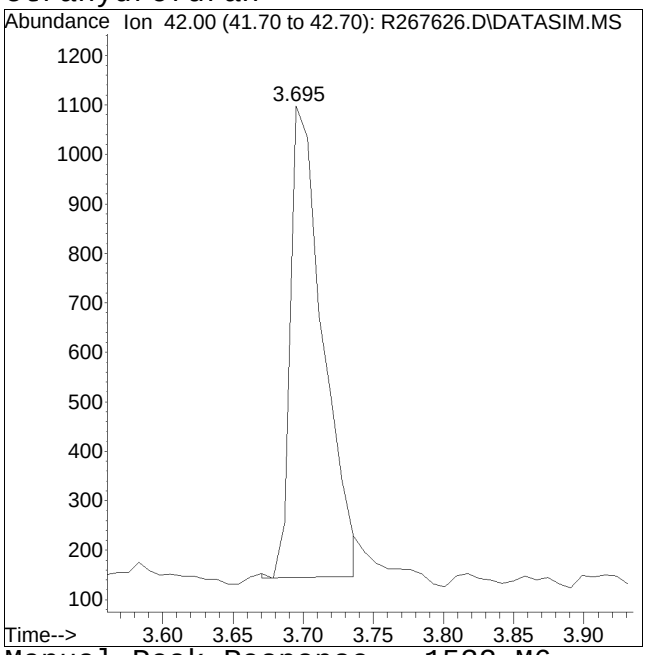
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 1726



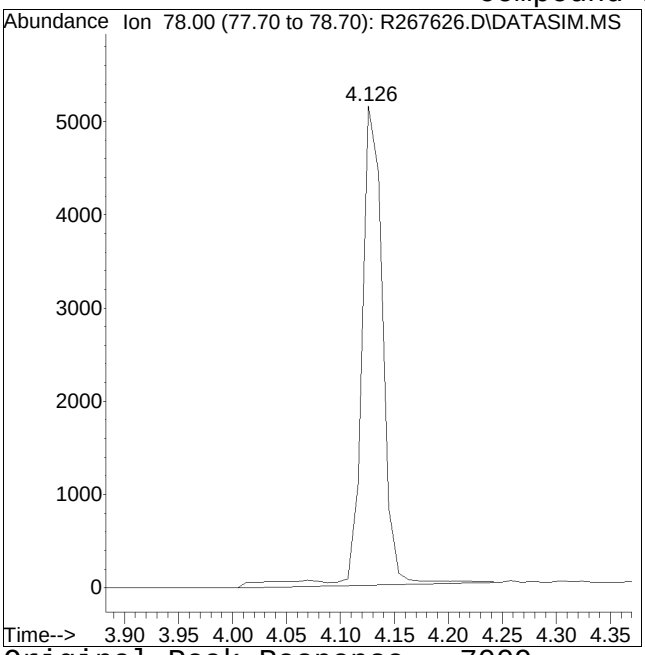
Manual Peak Response = 1532 M6

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

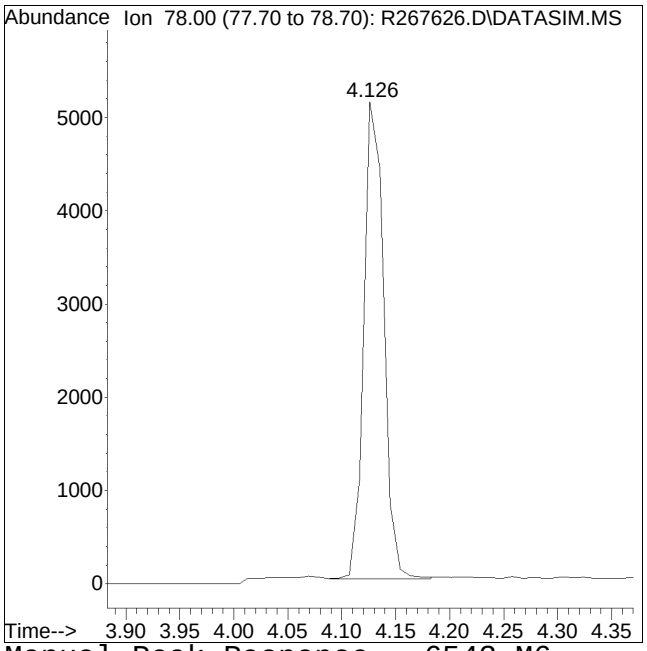
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #37: benzene



Original Peak Response = 7009



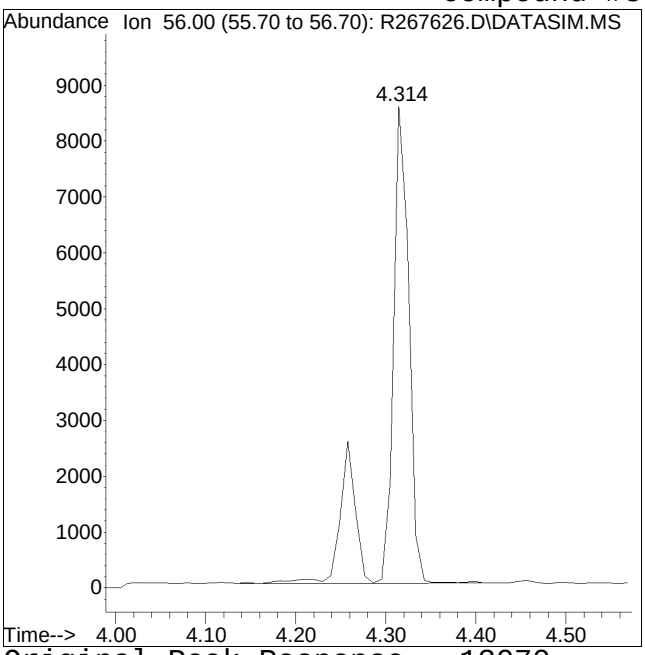
Manual Peak Response = 6543 M6

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

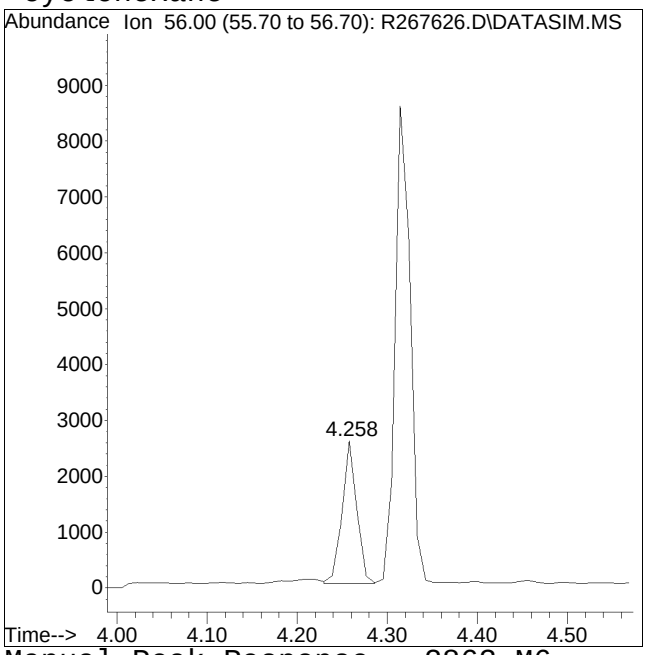
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #39: cyclohexane



Original Peak Response = 13070



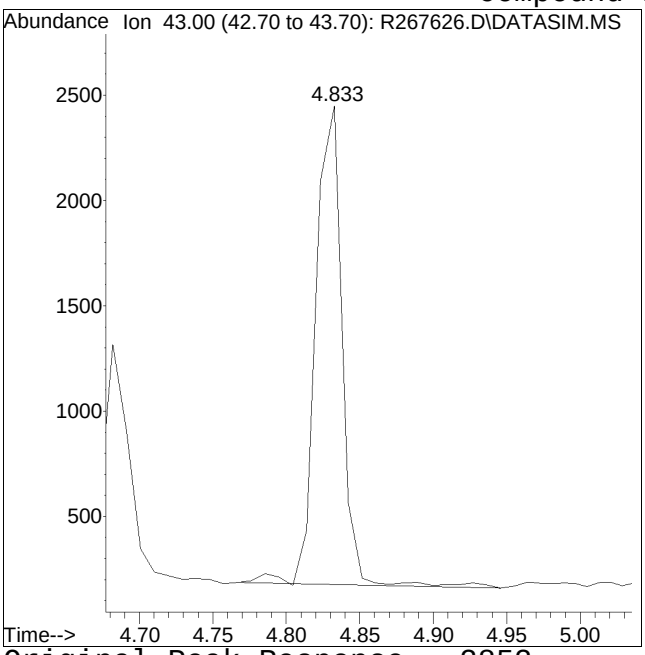
Manual Peak Response = 2863 M6

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

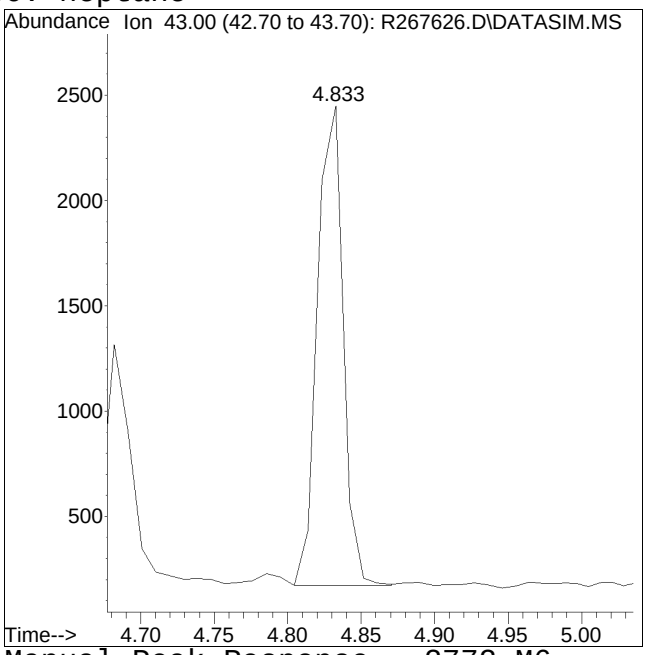
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #46: heptane



Original Peak Response = 2852



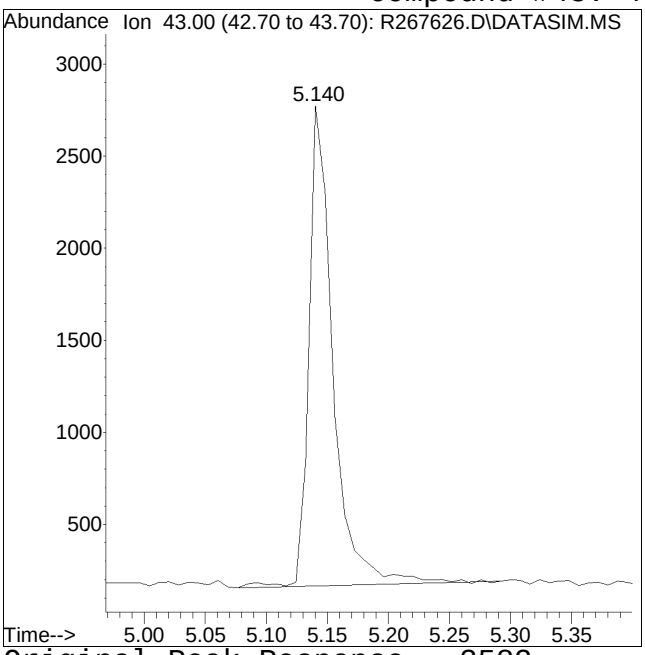
Manual Peak Response = 2772 M6

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

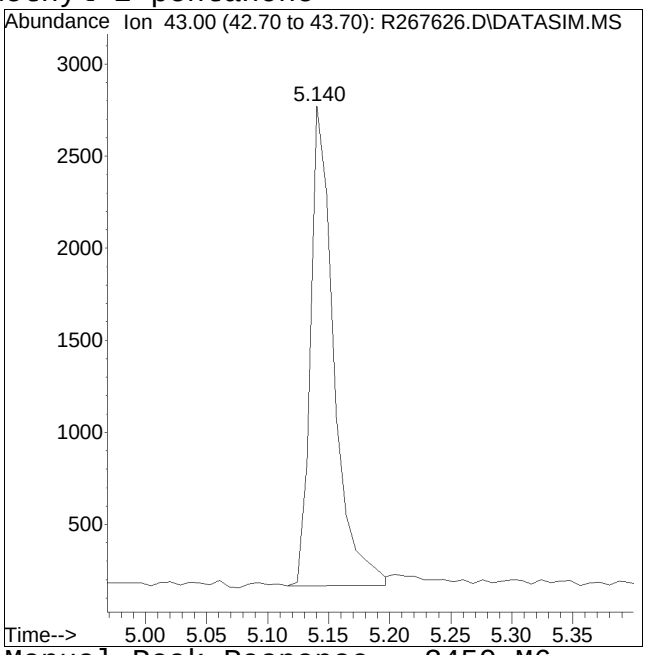
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 3582



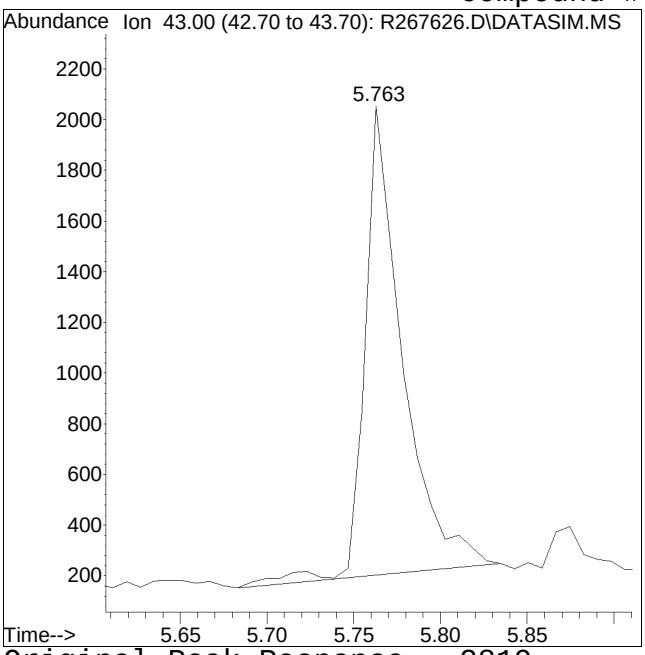
Manual Peak Response = 3450 M6

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

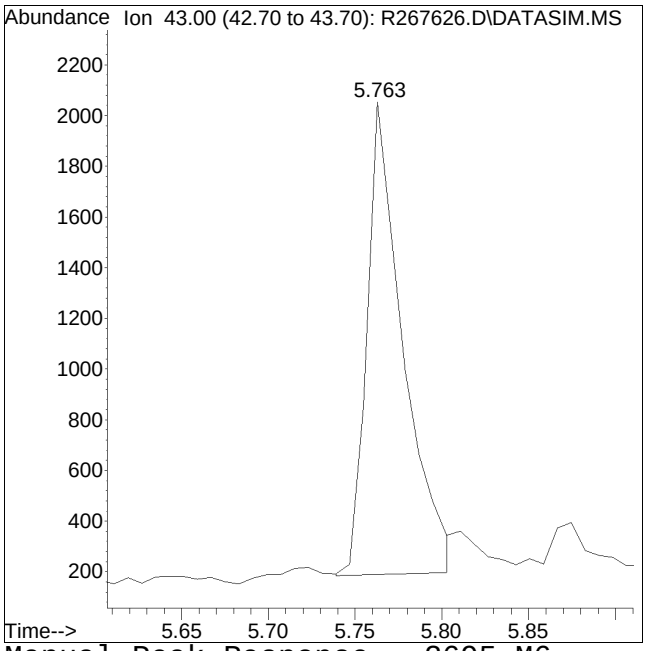
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #54: 2-hexanone



Original Peak Response = 2819



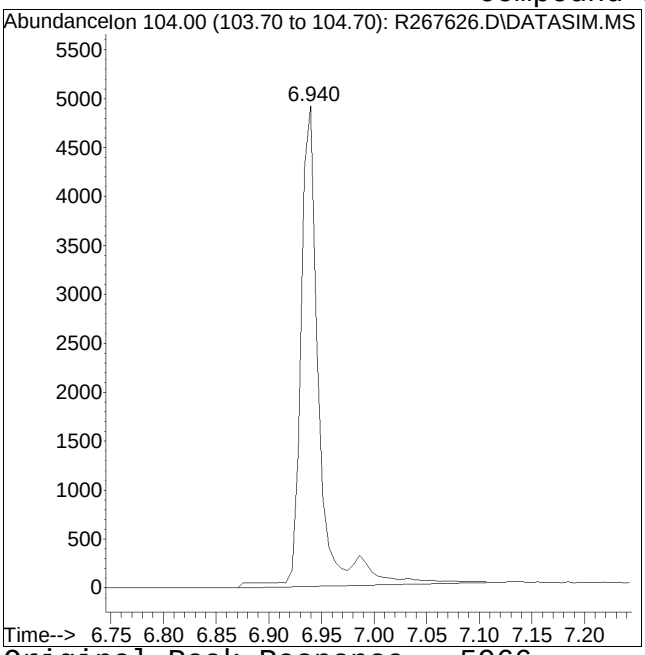
Manual Peak Response = 2695 M6

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

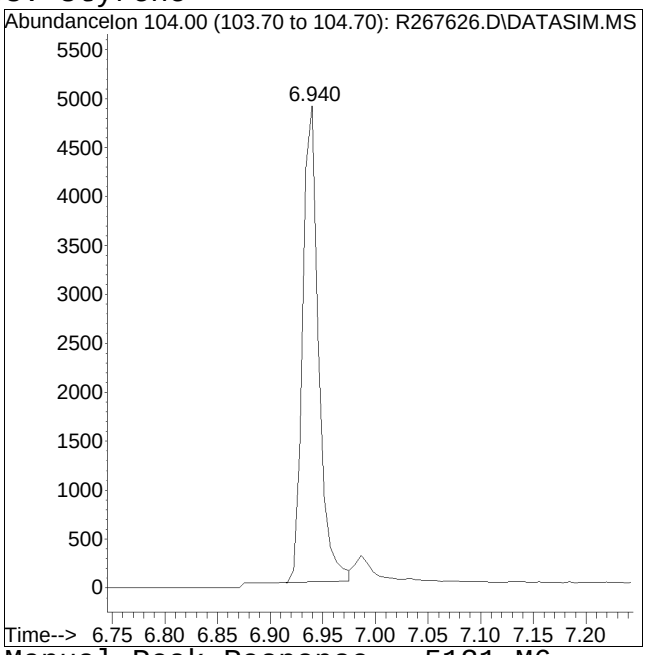
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #63: styrene



Original Peak Response = 5966



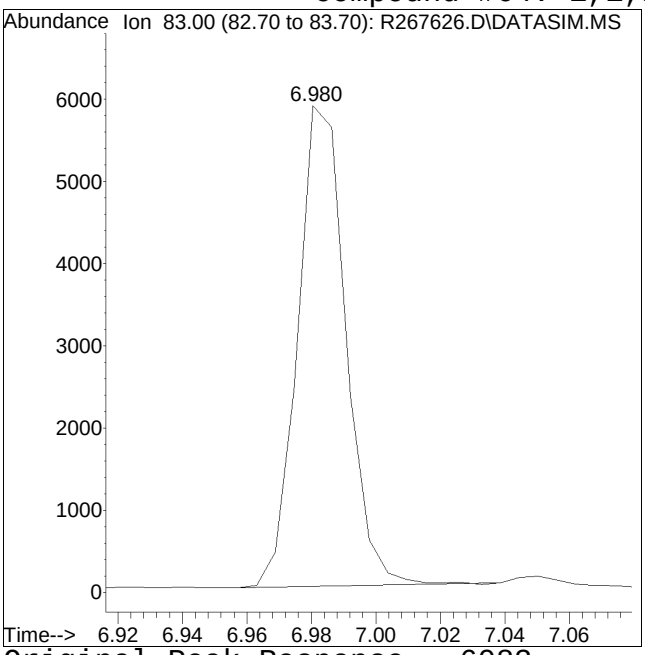
Manual Peak Response = 5121 M6

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

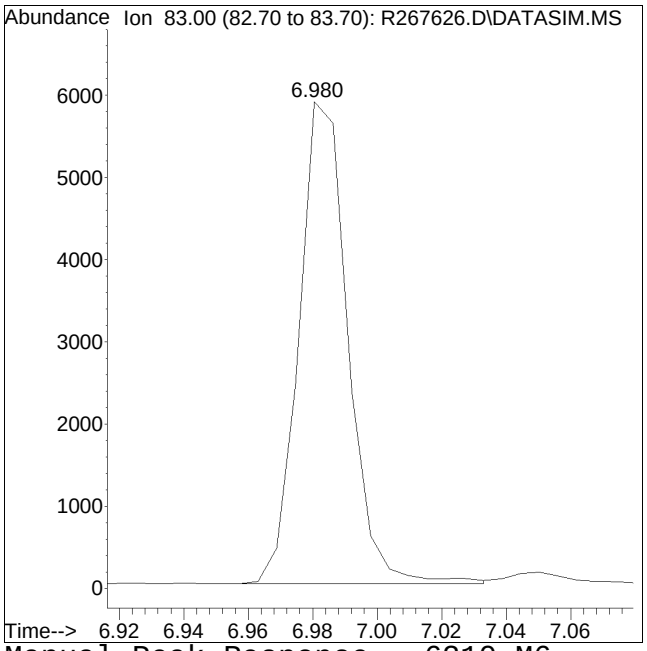
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #64: 1,1,2,2-tetrachloroethane



Original Peak Response = 6083



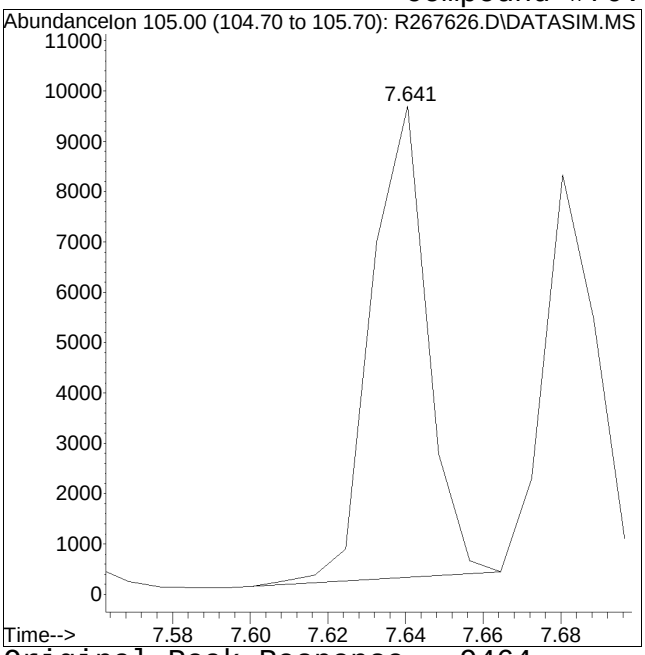
Manual Peak Response = 6210 M6

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

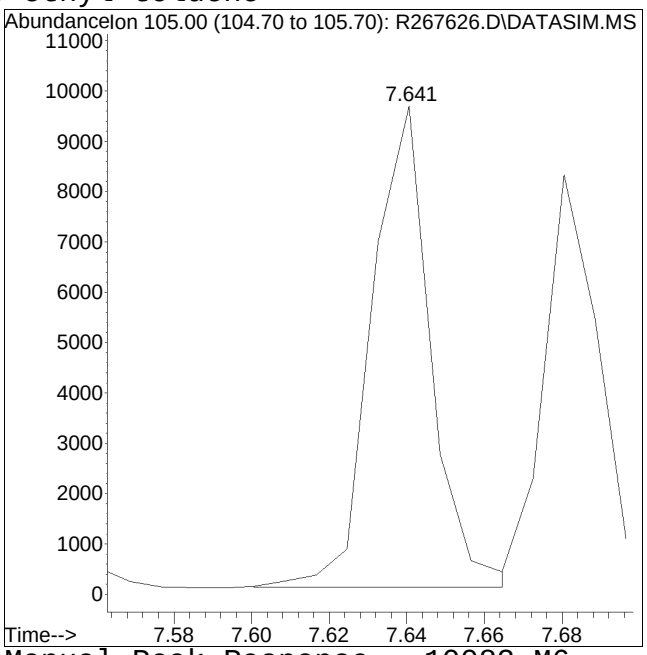
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 9464



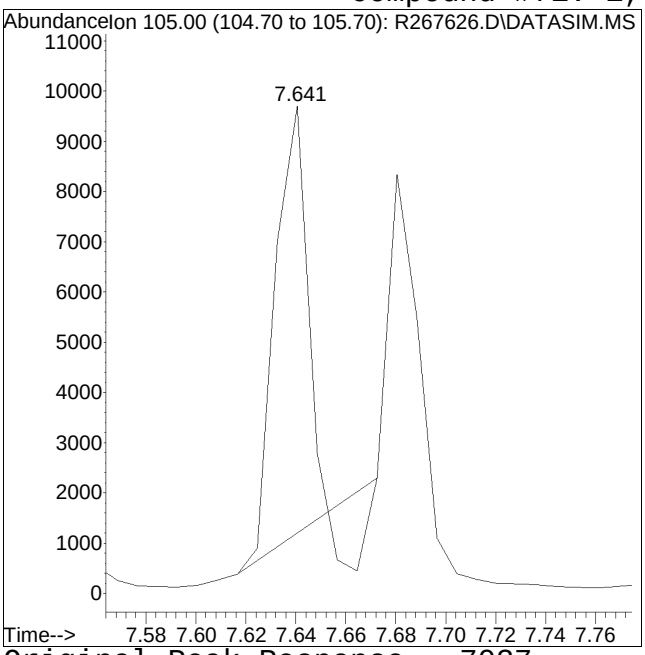
Manual Peak Response = 10082 M6

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

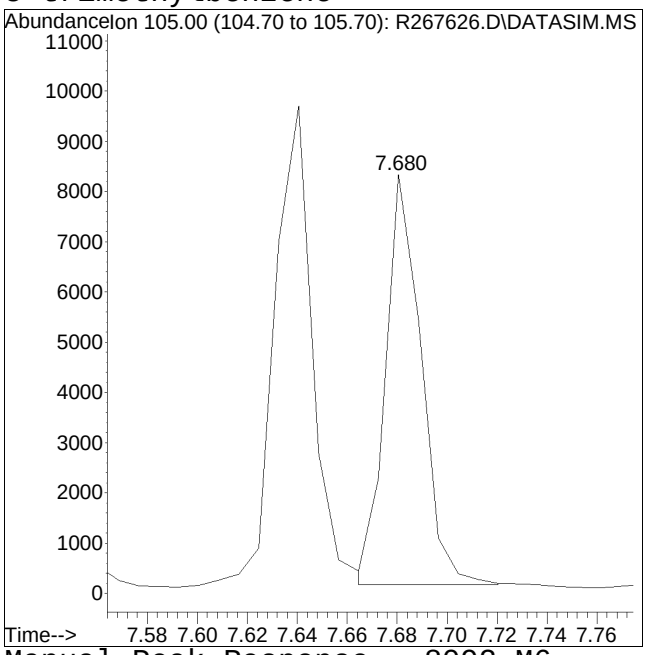
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 7037



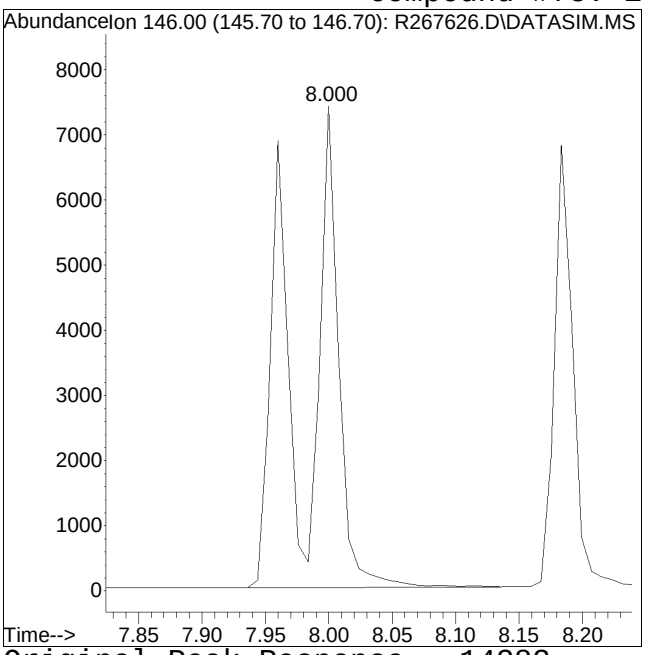
Manual Peak Response = 8092 M6

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

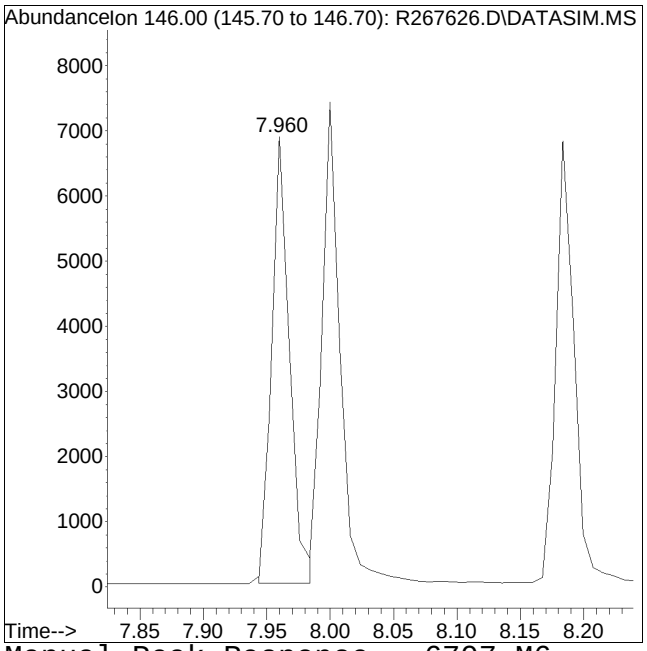
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 14282



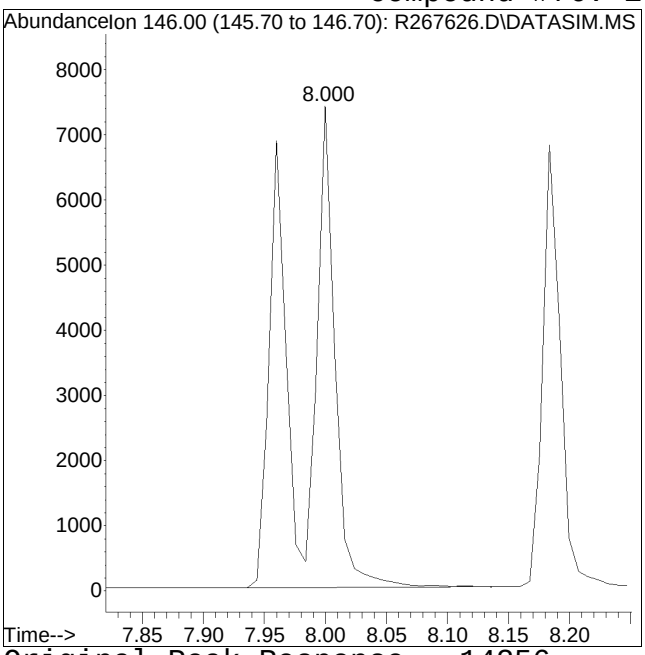
Manual Peak Response = 6707 M6

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

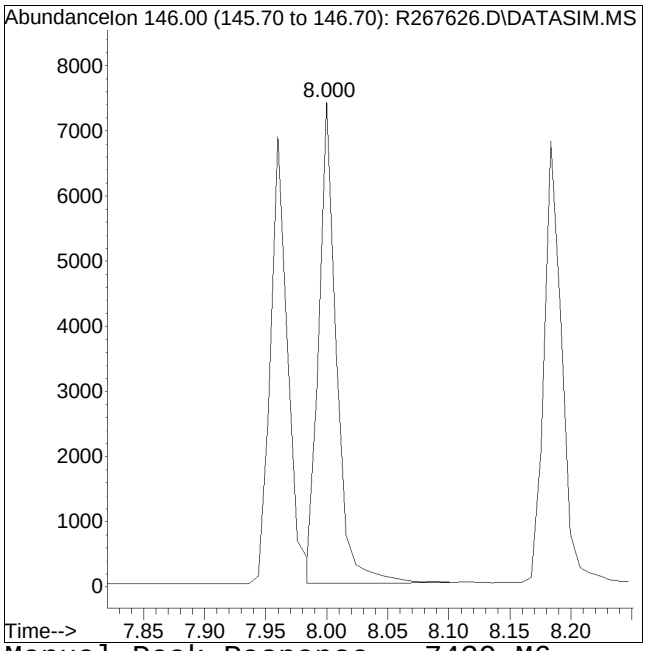
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 14256



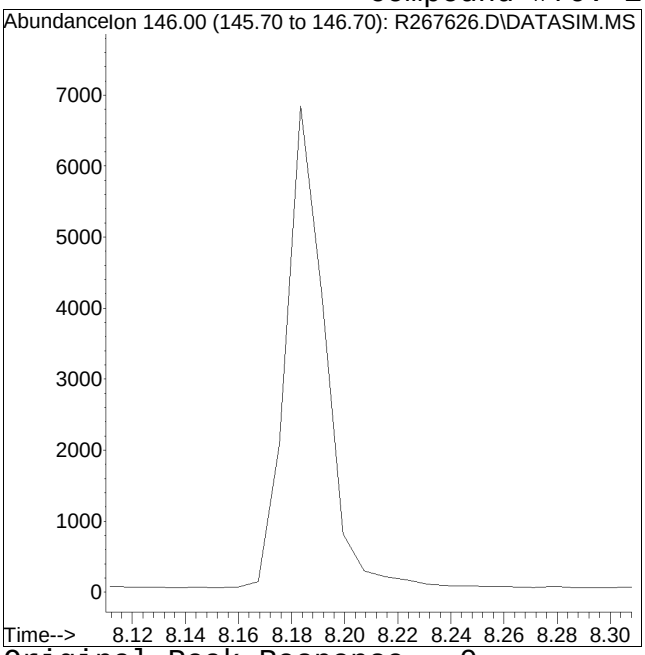
Manual Peak Response = 7439 M6

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

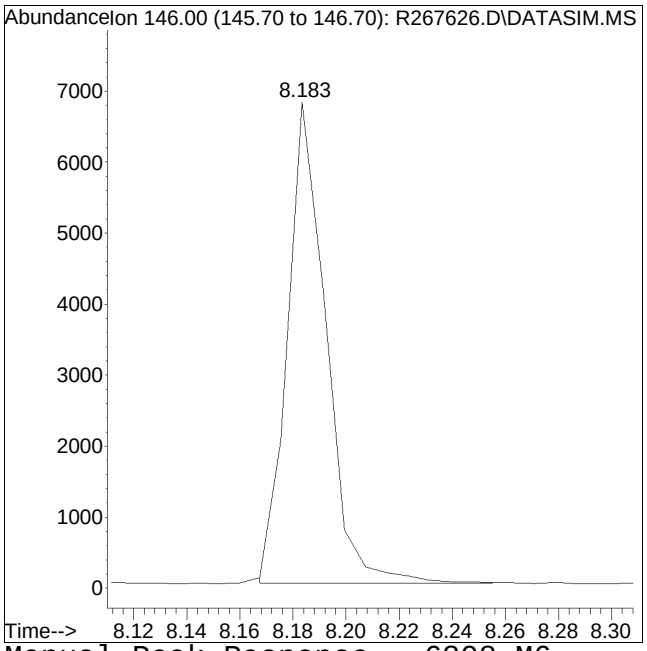
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #79: 1,2-dichlorobenzene



Original Peak Response = 0



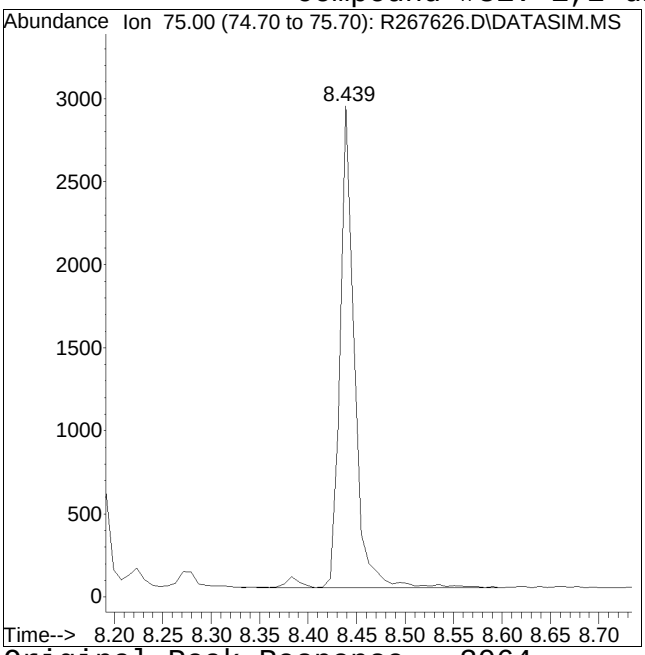
Manual Peak Response = 6808 M6

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

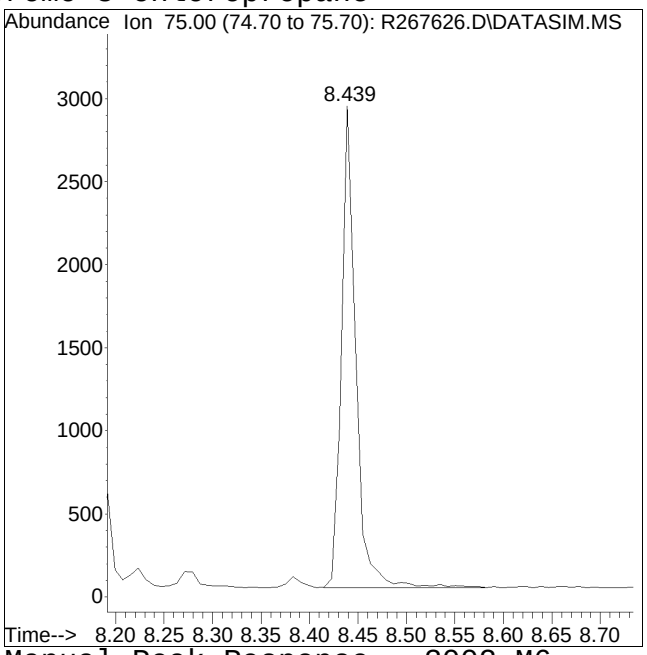
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267626.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:04 pm Instrument : Airlab26
Sample : ITO15-SIMSTD0.1 Quant Date : 1/8/2026 6:25 am

Compound #81: 1,2-dibromo-3-chloropropane



Original Peak Response = 3064



Manual Peak Response = 3002 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	212222	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 107.95%			
33) 1,4-difluorobenzene	4.324	114	689700	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 104.66%			
51) chlorobenzene-D5	6.439	54	93289	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 102.49%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	150052	10.174	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.74%			
53) toluene-D8	5.515	98	554577	10.226	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%			
67) bromofluorobenzene	7.207	95	337059	10.253	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.53%			
Target Compounds						Qvalue
2) propylene	1.933	41	3158M6	0.235	ppbV	
3) dichlorodifluoromethane	1.955	85	9413M6	0.216	ppbV	
4) chloromethane	1.999	50	3240M6	0.183	ppbV	
5) Freon-114	2.026	85	10362	0.219	ppbV	100
6) vinyl chloride	2.059	62	3870M6	0.216	ppbV	
7) 1,3-butadiene	2.103	54	2494M6	0.226	ppbV	
8) bromomethane	2.180	94	3710	0.220	ppbV	98
9) chloroethane	2.229	64	2176	0.220	ppbV #	85
10) ethanol	2.262	31	8068	1.067	ppbV	99
11) vinyl bromide	2.329	106	3633M6	0.220	ppbV	
12) acrolein	2.363	56	1866	0.229	ppbV #	24
13) acetone	2.409	43	21140	1.171	ppbV	100
14) trichlorofluoromethane	2.454	101	8614	0.218	ppbV	100
15) isopropyl alcohol	2.477	45	14910	0.785	ppbV	100
16) acrylonitrile	2.533	53	2747M6	0.208	ppbV	
17) 1,1-dichloroethene	2.634	61	5156M6	0.211	ppbV	
18) tertiary butyl alcohol	2.653	59	7074	0.244	ppbV #	74
19) methylene chloride	2.662	49	3649M6	0.213	ppbV	
20) 3-chloropropene	2.701	41	3151M6	0.212	ppbV	
21) carbon disulfide	2.753	76	9885	0.227	ppbV #	1
22) Freon 113	2.753	101	7629	0.216	ppbV	96
23) trans-1,2-dichloroethene	2.971	61	4539	0.221	ppbV	99
24) 1,1-dichloroethane	3.042	63	6160	0.216	ppbV	99

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.082	73	8823	0.224	ppbV	#	44
26) vinyl acetate	3.112	43	4858M6	0.169	ppbV		
27) 2-butanone	3.214	43	6317M6	0.189	ppbV		
28) cis-1,2-dichloroethene	3.366	61	5118	0.212	ppbV		100
29) Ethyl Acetate	3.500	61	1945M6	0.352	ppbV		
30) chloroform	3.493	83	7782M6	0.213	ppbV		
31) Tetrahydrofuran	3.695	42	2966M6	0.213	ppbV		
32) 1,2-dichloroethane	3.809	62	4502	0.214	ppbV	#	64
34) hexane	3.471	57	6533	0.285	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	7418	0.213	ppbV	#	15
37) benzene	4.126	78	13051	0.225	ppbV	#	100
38) carbon tetrachloride	4.201	117	7107	0.212	ppbV	#	31
39) cyclohexane	4.258	56	5510	0.228	ppbV	#	1
40) Dibromomethane	4.503	93	4773	0.210	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	4461	0.214	ppbV	#	1
42) bromodichloromethane	4.616	83	7620	0.217	ppbV	#	100
43) 1,4-dioxane	4.691	88	2649	0.245	ppbV	#	1
44) trichloroethene	4.644	130	6137	0.226	ppbV	#	52
45) 2,2,4-trimethylpentane	4.682	57	16623	0.231	ppbV	#	55
46) heptane	4.833	43	5566	0.229	ppbV	#	1
47) cis-1,3-dichloropropene	5.084	75	6190	0.207	ppbV	#	100
48) 4-methyl-2-pentanone	5.132	43	6953	0.208	ppbV	#	60
49) trans-1,3-dichloropropene	5.356	75	4521	0.202	ppbV	#	100
50) 1,1,2-trichloroethane	5.427	97	5180	0.204	ppbV	#	1
52) toluene	5.571	91	14812	0.215	ppbV		99
54) 2-hexanone	5.755	43	6711	0.211	ppbV	#	89
55) dibromochloromethane	5.763	129	7228	0.211	ppbV		99
56) 1,2-dibromoethane	5.882	107	7532	0.209	ppbV		99
57) tetrachloroethene	6.130	166	6837	0.222	ppbV		99
58) 1,1,1,2-tetrachloroethane	6.461	131	5593	0.195	ppbV	#	100
59) chlorobenzene	6.461	112	12075	0.215	ppbV	#	72
60) ethylbenzene	6.668	91	18612	0.210	ppbV		98
61) m+p-xylene	6.761	91	29901	0.433	ppbV		98
62) bromoform	6.755	173	6128	0.201	ppbV		99
63) styrene	6.934	104	10293M6	0.196	ppbV		
64) 1,1,2,2-tetrachloroethane	6.980	83	10796	0.204	ppbV		99
65) o-xylene	6.986	91	14264	0.213	ppbV		98
66) 1,2,3-Trichloropropane	7.044	75	7987	0.199	ppbV		100
68) isopropylbenzene	7.295	105	20194	0.199	ppbV		98
69) Bromobenzene	7.306	77	13148	0.205	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

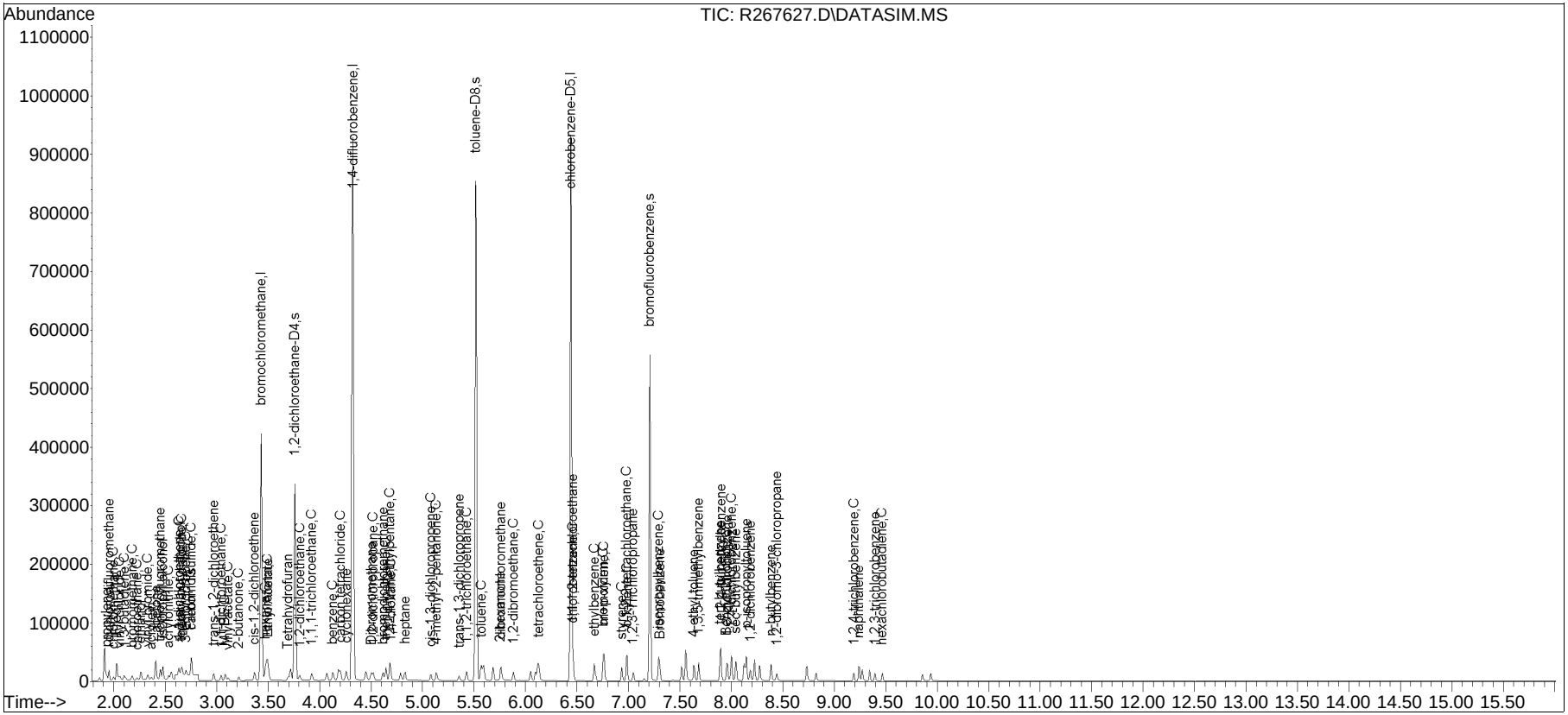
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	7.635	105	17691M6	0.195	ppbV	
71) 1,3,5-trimethylbenzene	7.682	105	15452M6	0.208	ppbV	
72) tert-butylbenzene	7.890	119	16989	0.191	ppbV	100
73) 1,2,4-trimethylbenzene	7.898	105	15303	0.192	ppbV	99
74) Benzyl Chloride	7.954	91	10839	0.167	ppbV	99
75) 1,3-dichlorobenzene	7.962	146	11465M6	0.190	ppbV	
76) 1,4-dichlorobenzene	8.002	146	12221M4	0.204	ppbV	
77) sec-butylbenzene	8.042	105	23972	0.189	ppbV	99
78) p-isopropyltoluene	8.145	119	20996	0.186	ppbV	98
79) 1,2-dichlorobenzene	8.185	146	11445	0.196	ppbV	99
80) n-butylbenzene	8.385	91	18417	0.174	ppbV	100
81) 1,2-dibromo-3-chloropr...	8.441	75	4275	0.158	ppbV	95
82) 1,2,4-trichlorobenzene	9.191	180	8834	0.155	ppbV	99
83) naphthalene	9.238	128	22815M2	0.152	ppbV	
84) 1,2,3-trichlorobenzene	9.396	180	7665	0.116	ppbV	99
85) hexachlorobutadiene	9.466	225	5335	0.138	ppbV	99

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267627.D
Acq On : 07 Jan 2026 10:38 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.2
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

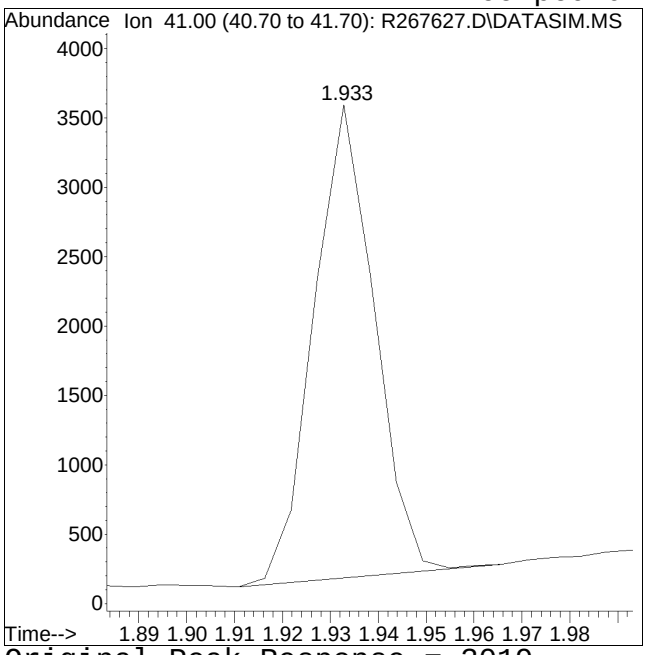
Quant Time: Jan 08 06:25:22 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration



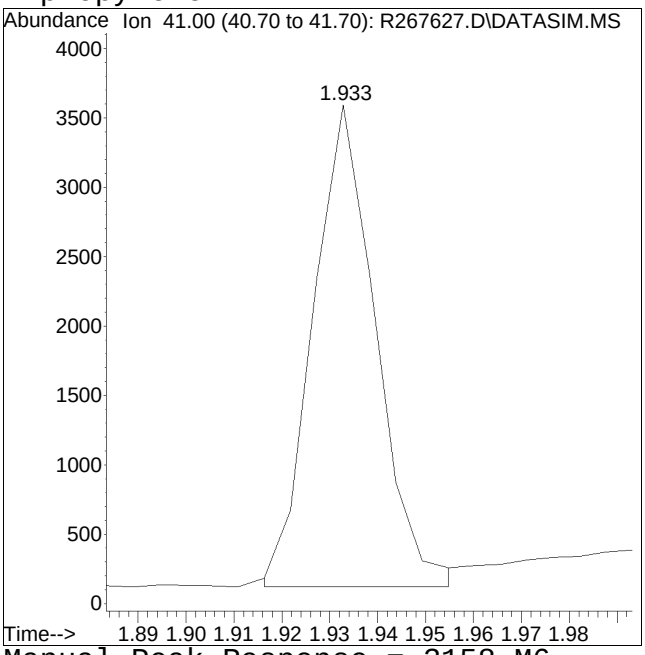
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #2: propylene



Original Peak Response = 3019



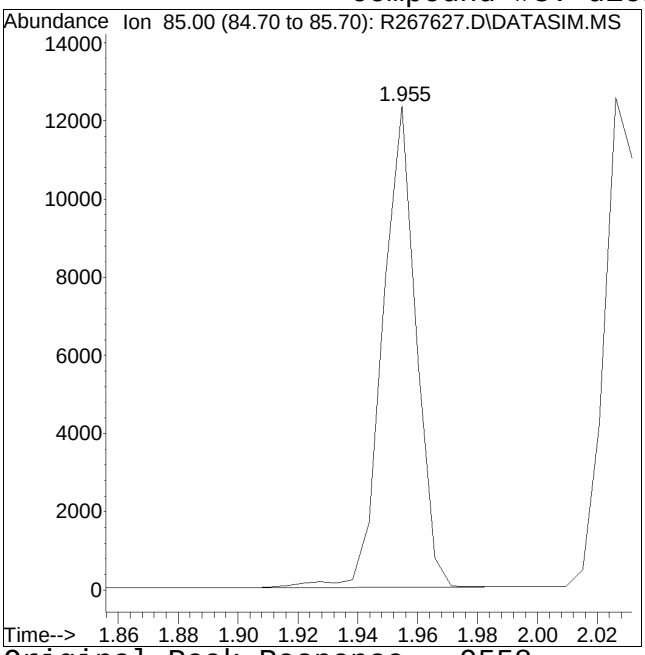
Manual Peak Response = 3158 M6

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

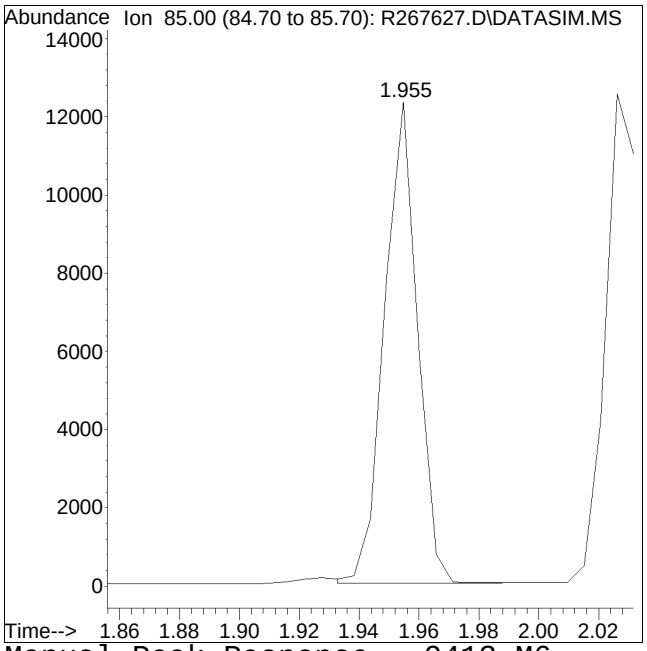
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #3: dichlorodifluoromethane



Original Peak Response = 9558



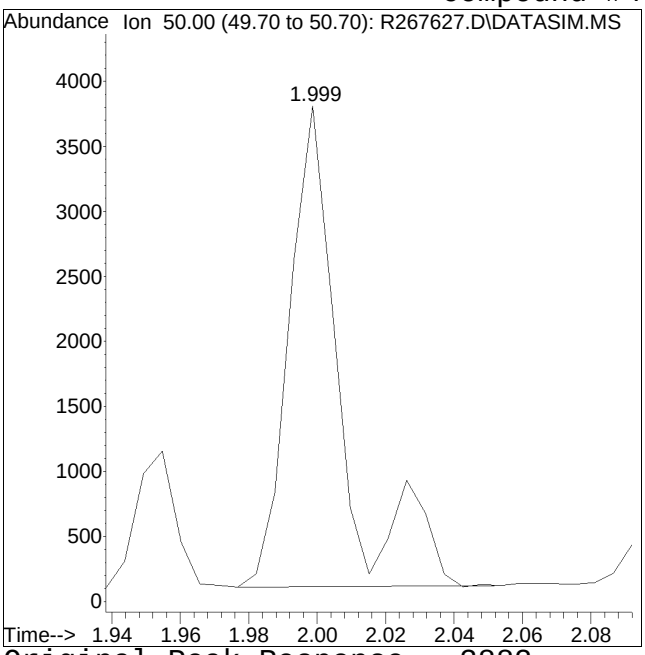
Manual Peak Response = 9413 M6

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

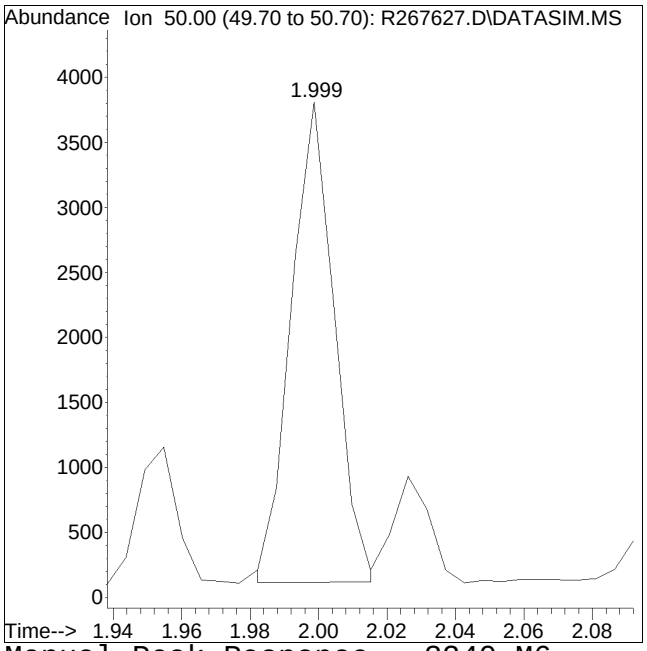
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 3882



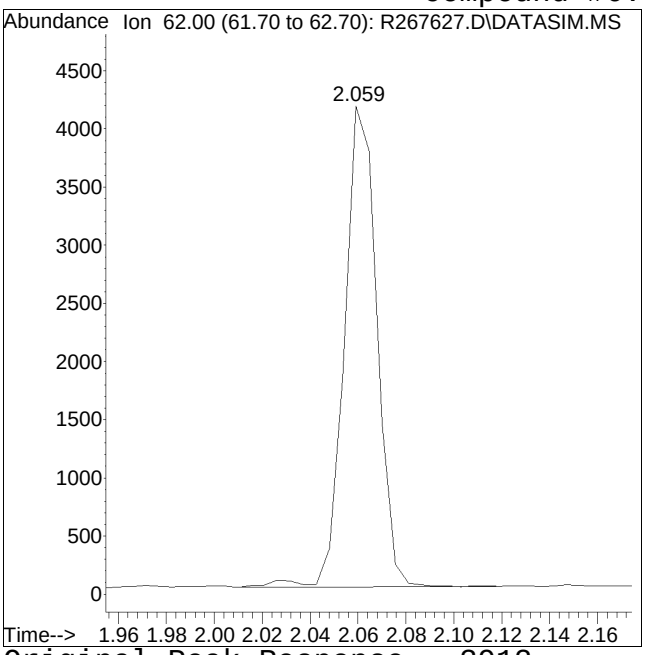
Manual Peak Response = 3240 M6

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

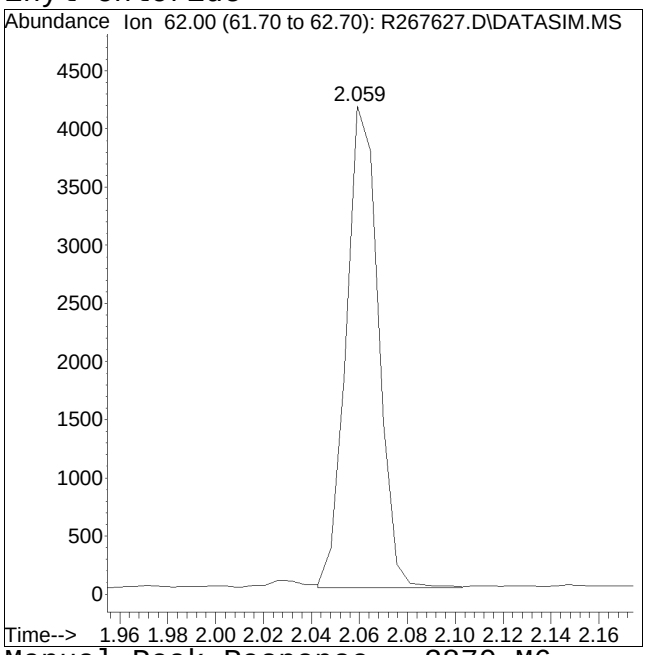
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #6: vinyl chloride



Original Peak Response = 3912



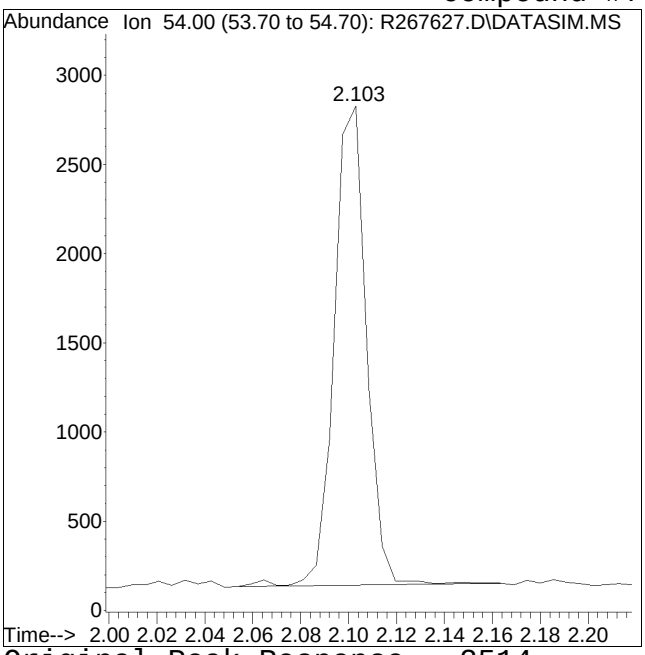
Manual Peak Response = 3870 M6

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

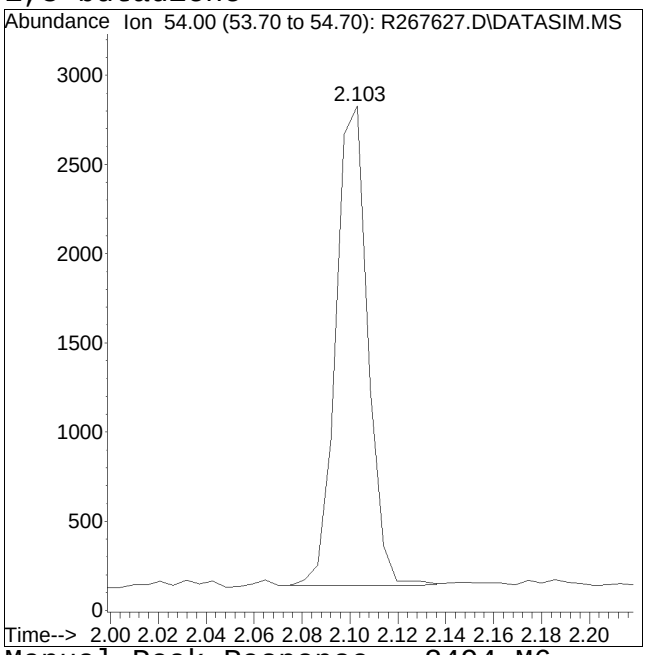
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #7: 1,3-butadiene



Original Peak Response = 2514



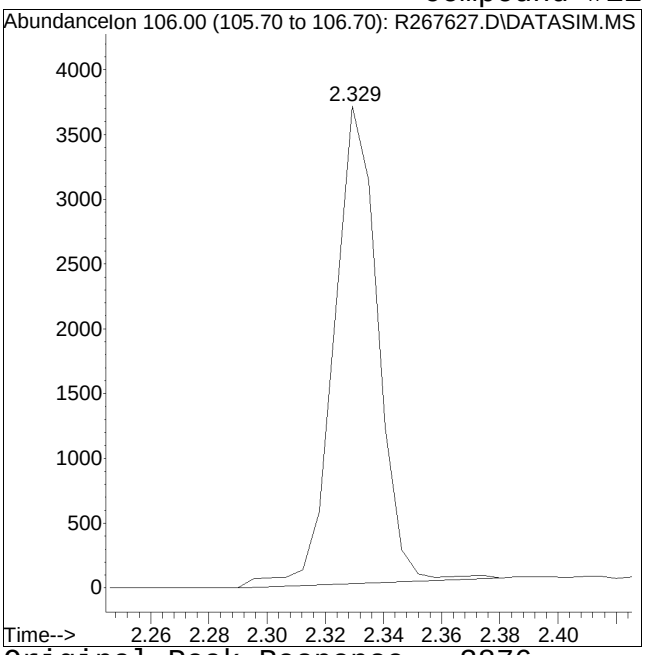
Manual Peak Response = 2494 M6

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

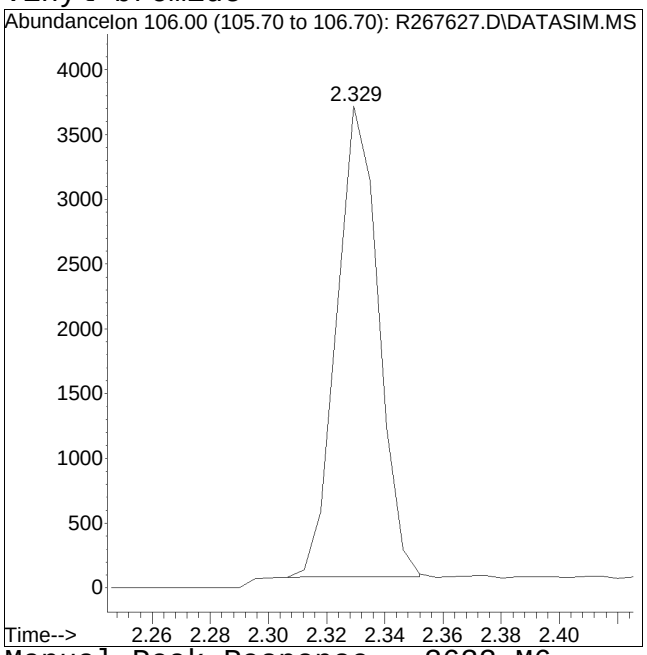
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #11: vinyl bromide



Original Peak Response = 3876



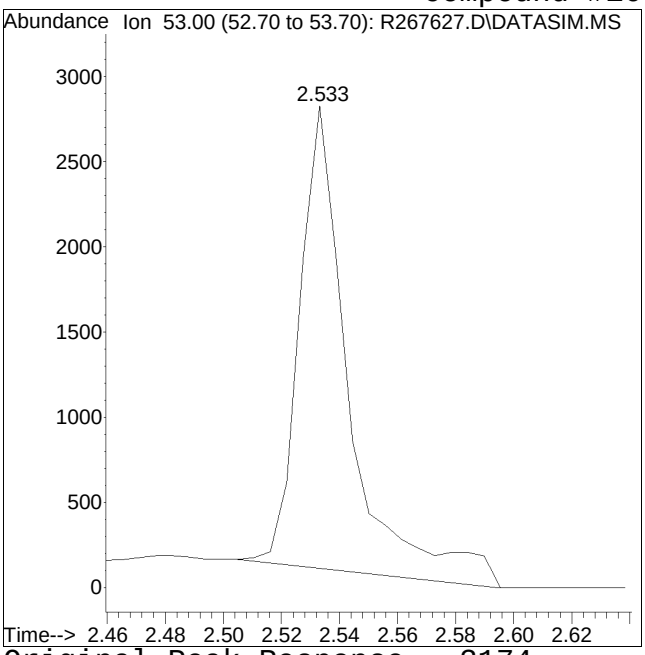
Manual Peak Response = 3633 M6

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

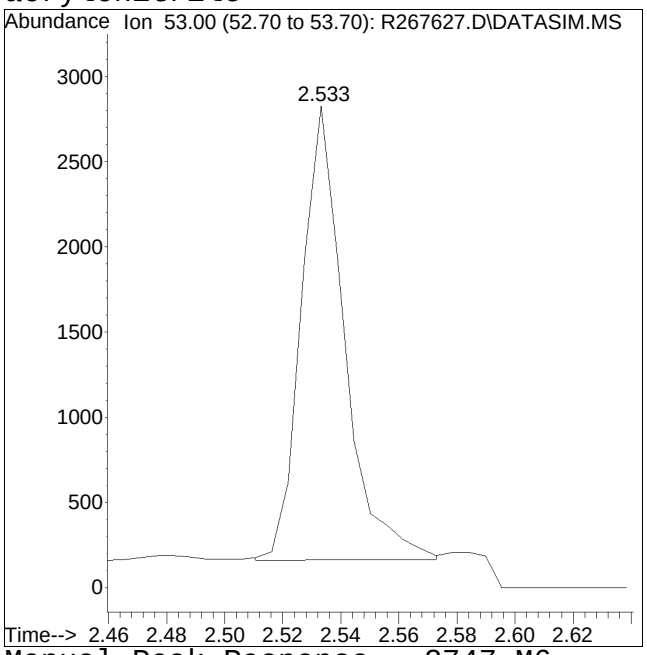
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #16: acrylonitrile



Original Peak Response = 3174



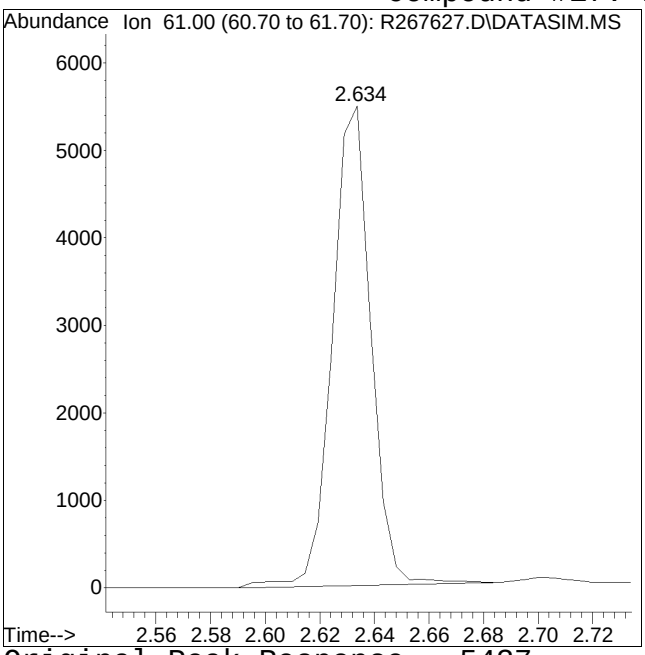
Manual Peak Response = 2747 M6

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

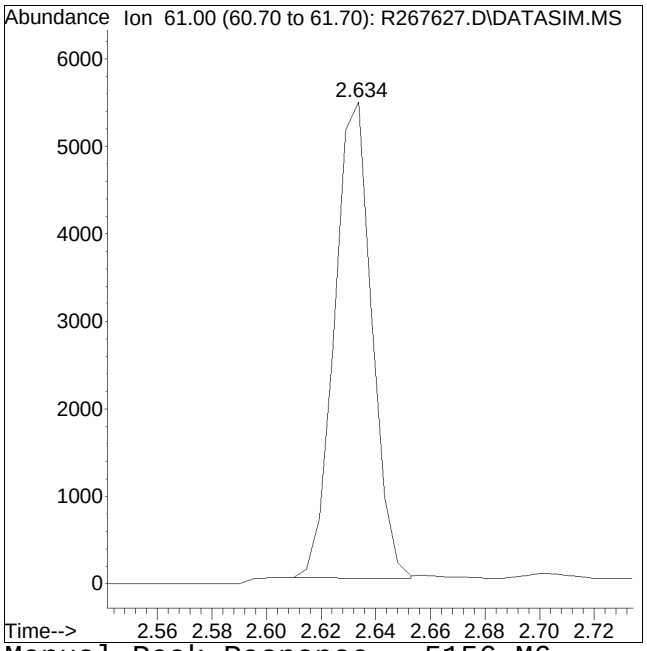
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #17: 1,1-dichloroethene



Original Peak Response = 5437



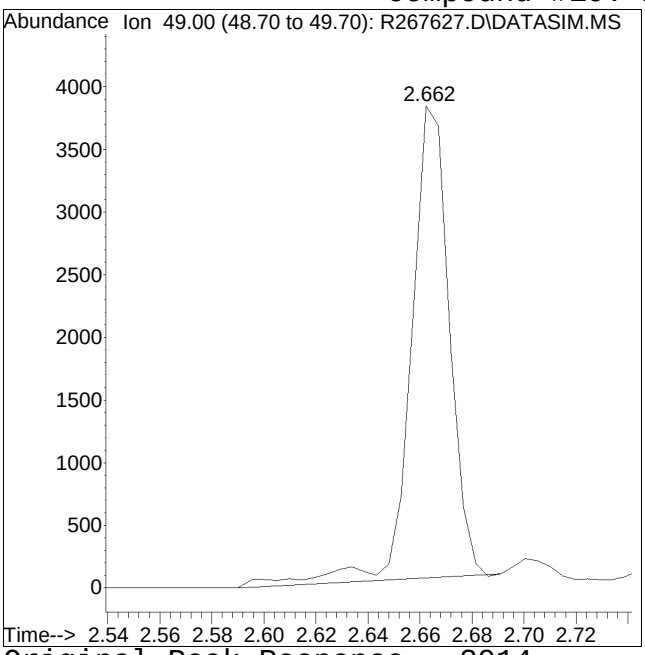
Manual Peak Response = 5156 M6

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

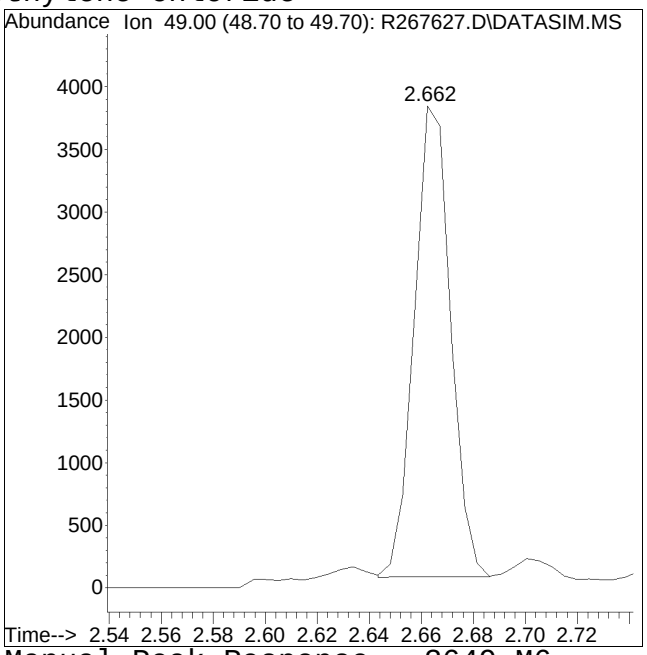
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #19: methylene chloride



Original Peak Response = 3914



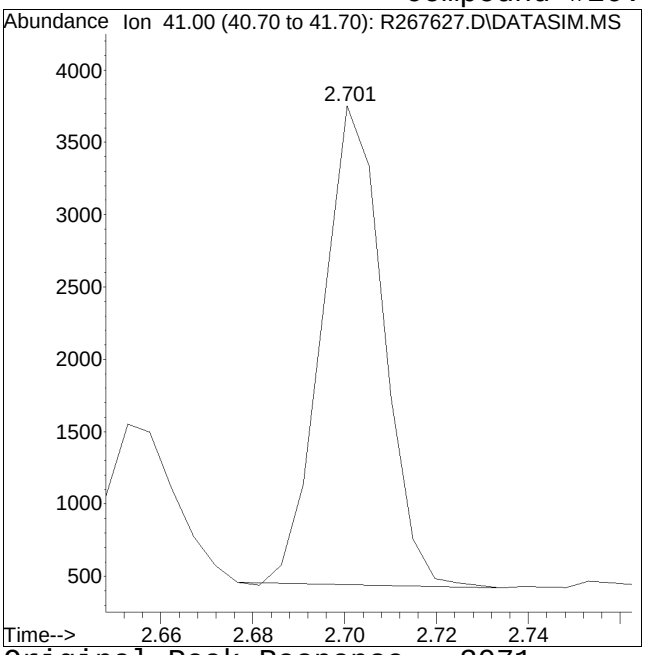
Manual Peak Response = 3649 M6

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

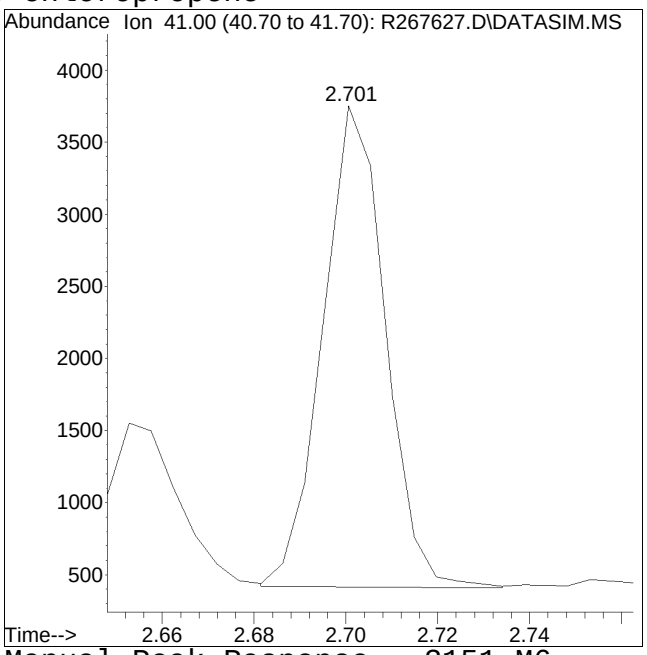
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #20: 3-chloropropene



Original Peak Response = 3071



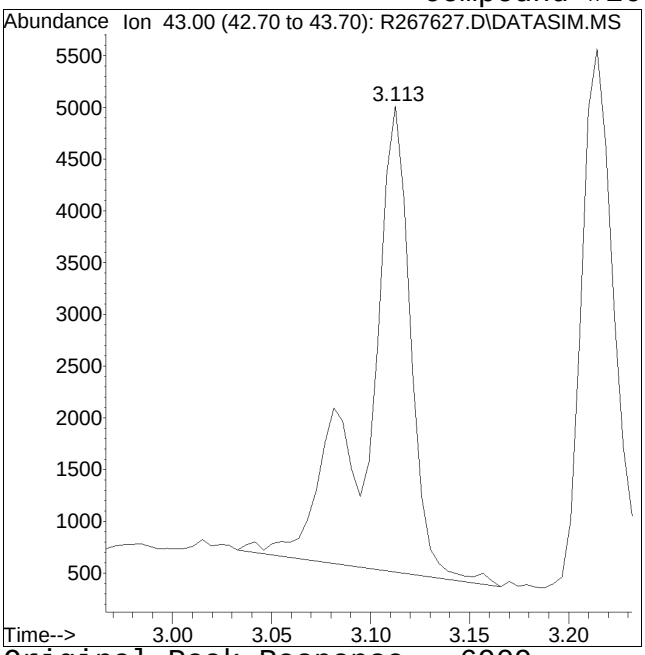
Manual Peak Response = 3151 M6

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

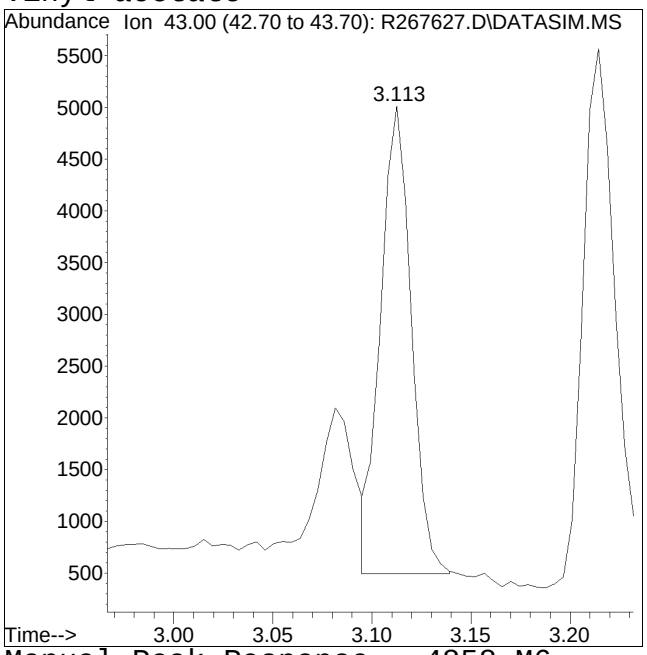
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 6909



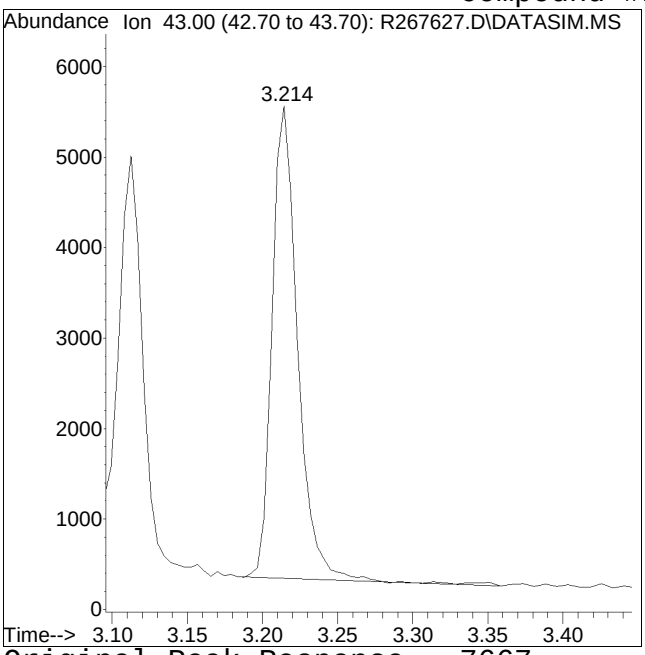
Manual Peak Response = 4858 M6

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

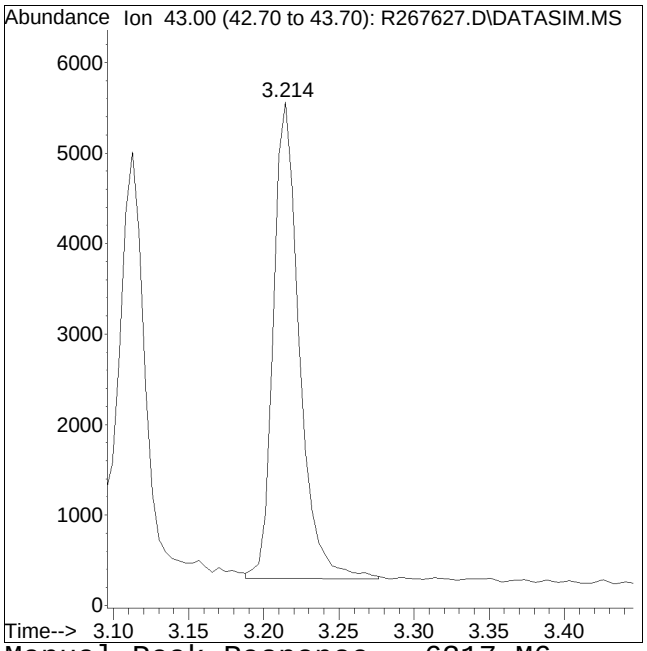
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #27: 2-butanone



Original Peak Response = 7667



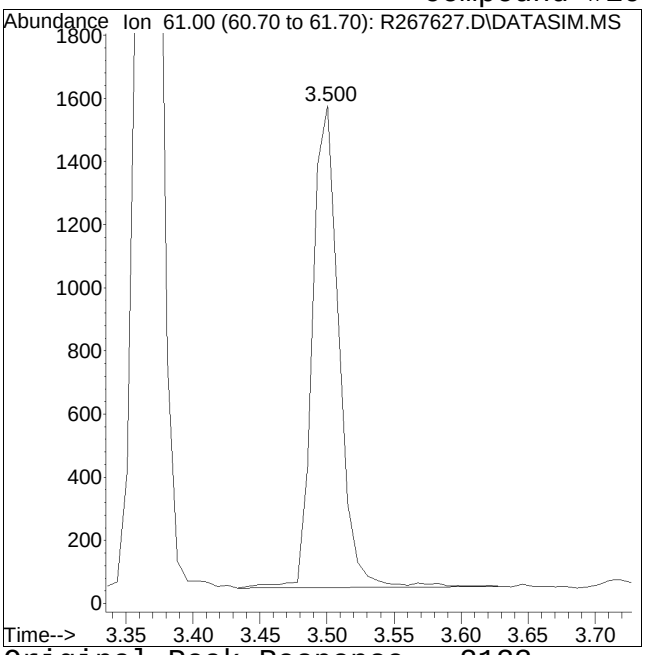
Manual Peak Response = 6317 M6

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

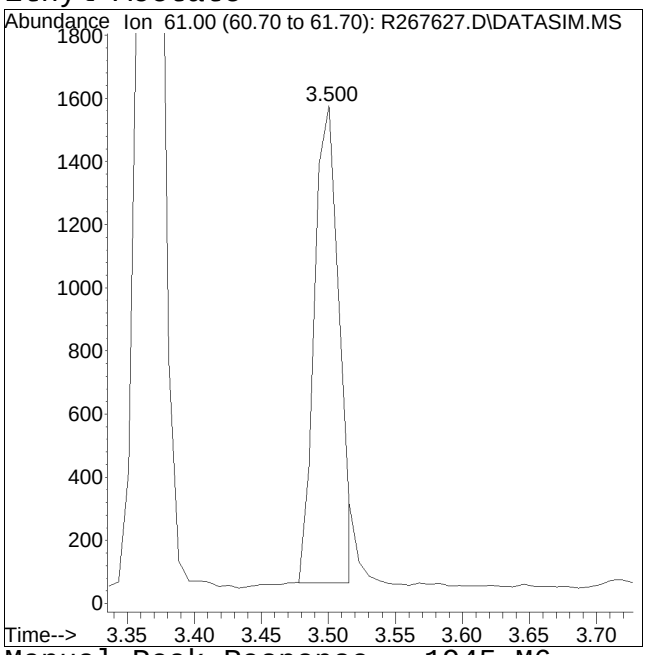
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 2123



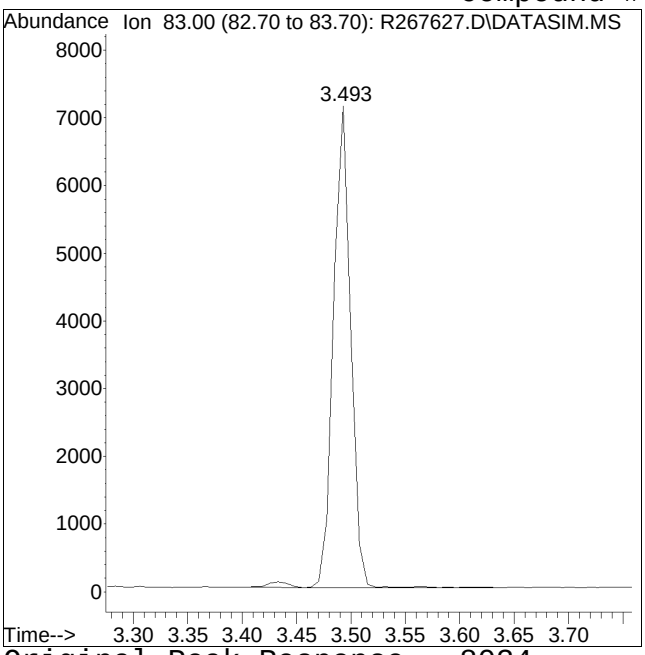
Manual Peak Response = 1945 M6

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

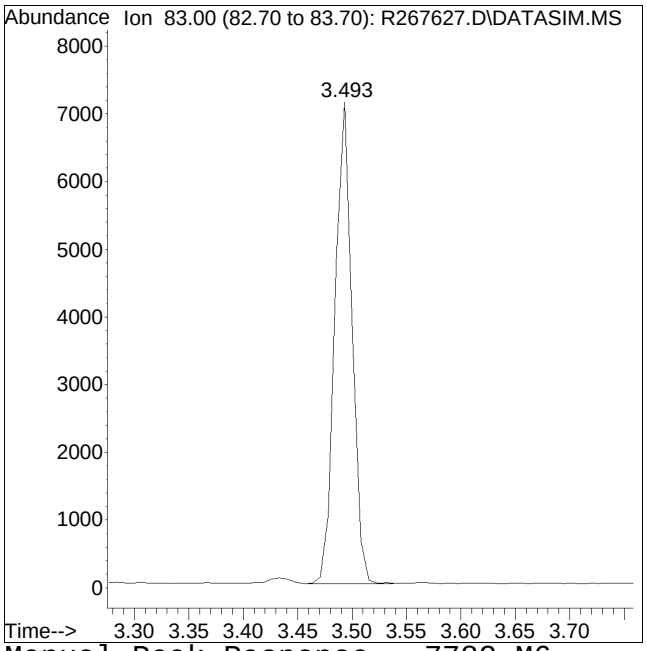
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #30: chloroform



Original Peak Response = 8034



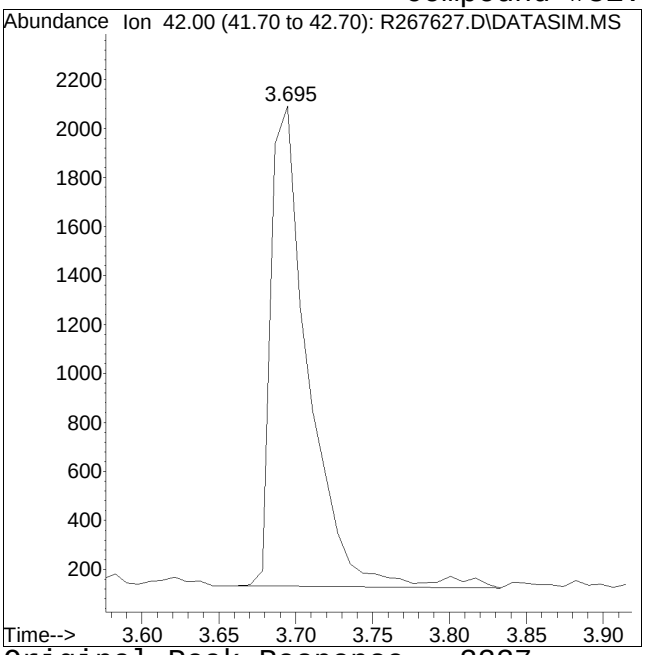
Manual Peak Response = 7782 M6

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

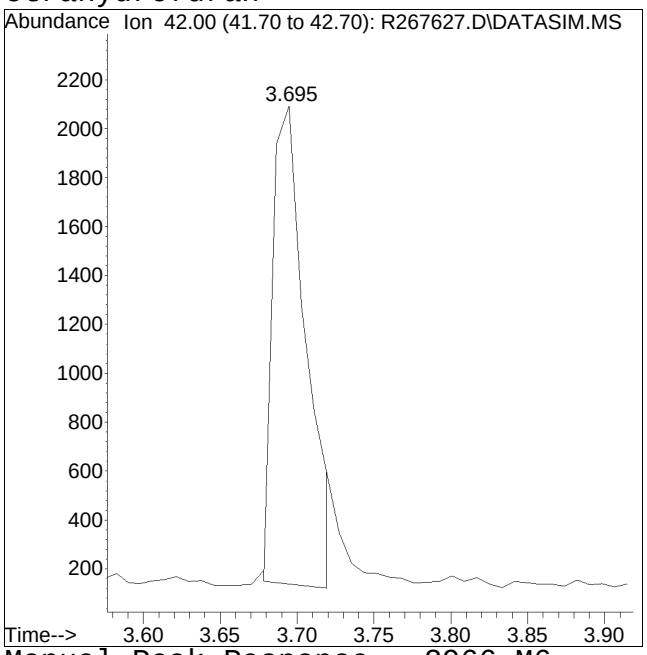
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 3337



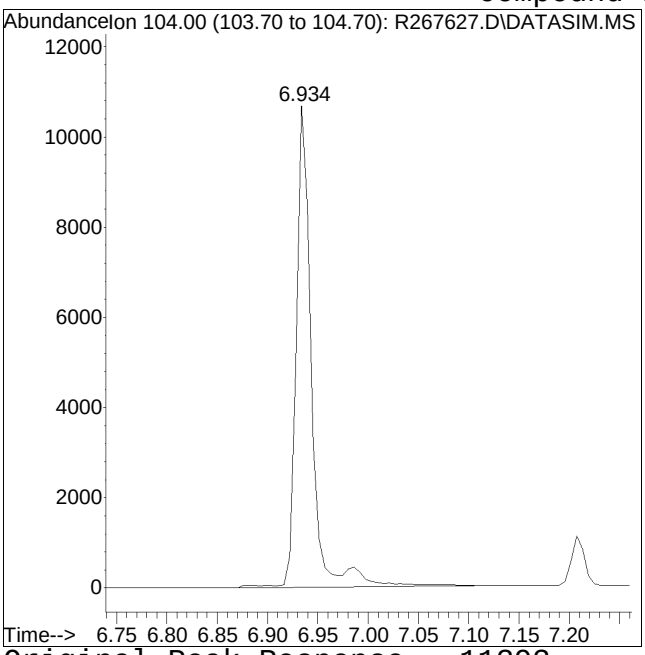
Manual Peak Response = 2966 M6

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

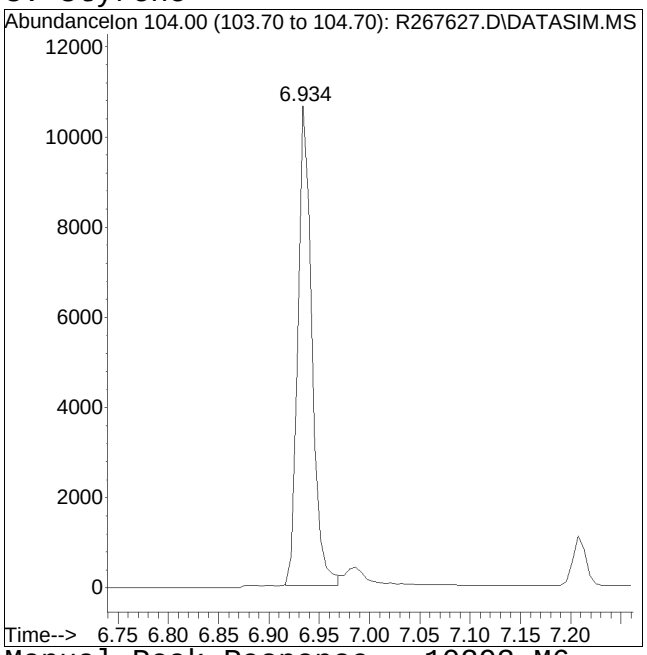
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #63: styrene



Original Peak Response = 11393



Manual Peak Response = 10293 M6

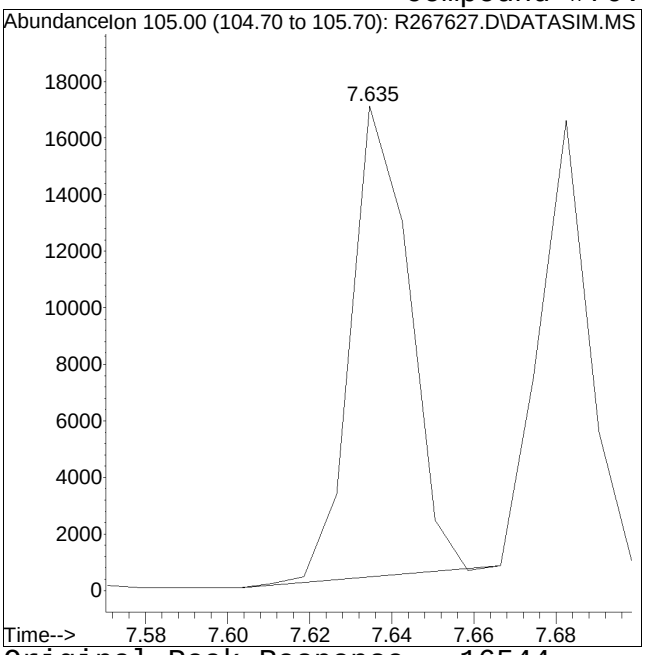
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

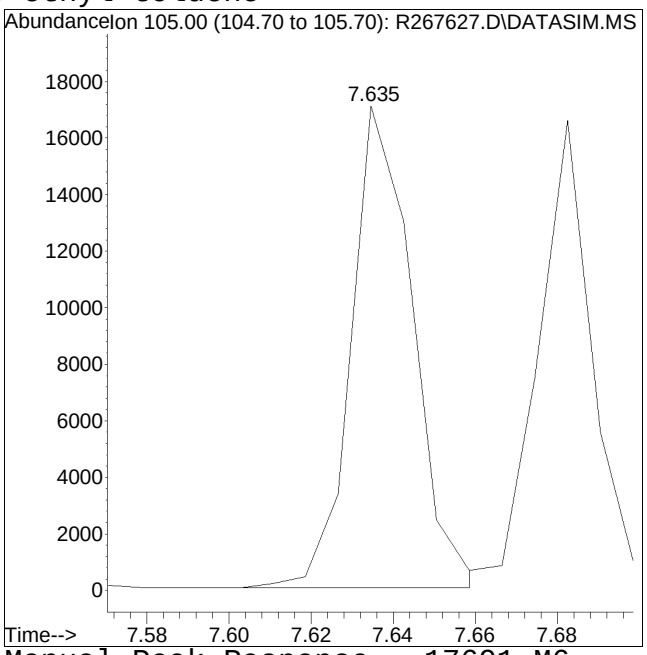
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267627.D
Date Inj'd : 1/7/2026 10:38 pm
Sample : ITO15-LLSTD0.2

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 16544



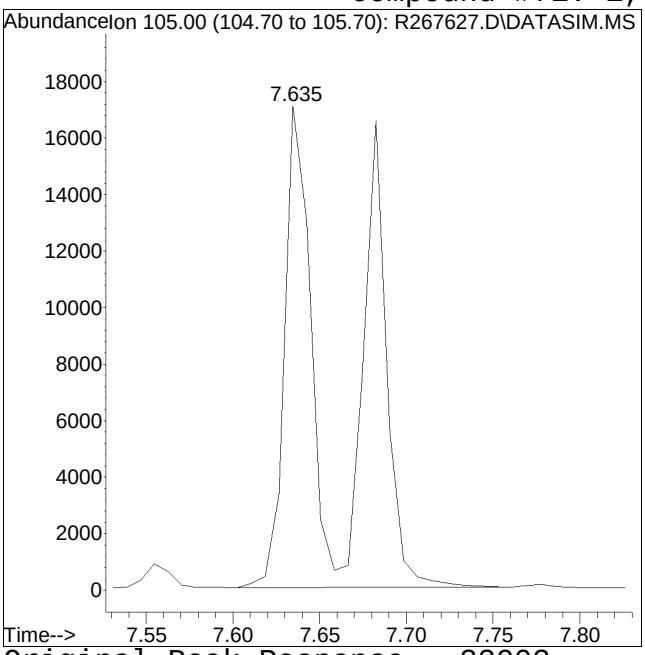
Manual Peak Response = 17691 M6

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

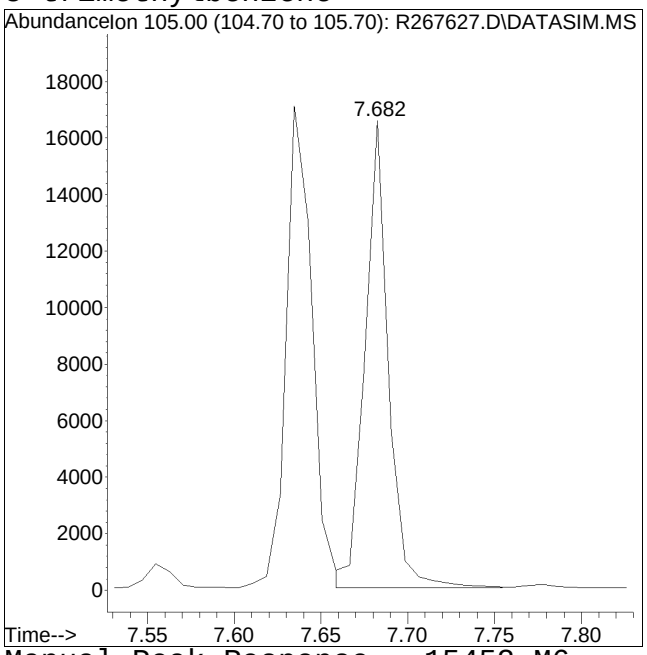
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 33003



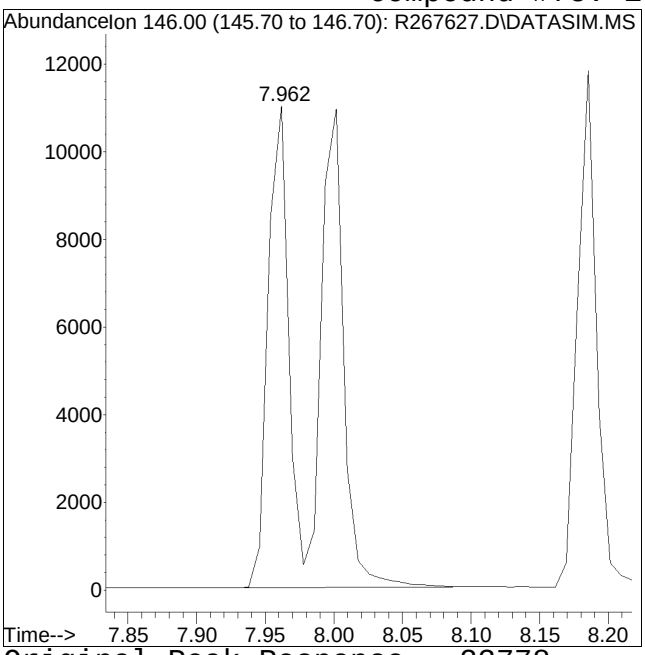
Manual Peak Response = 15452 M6

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

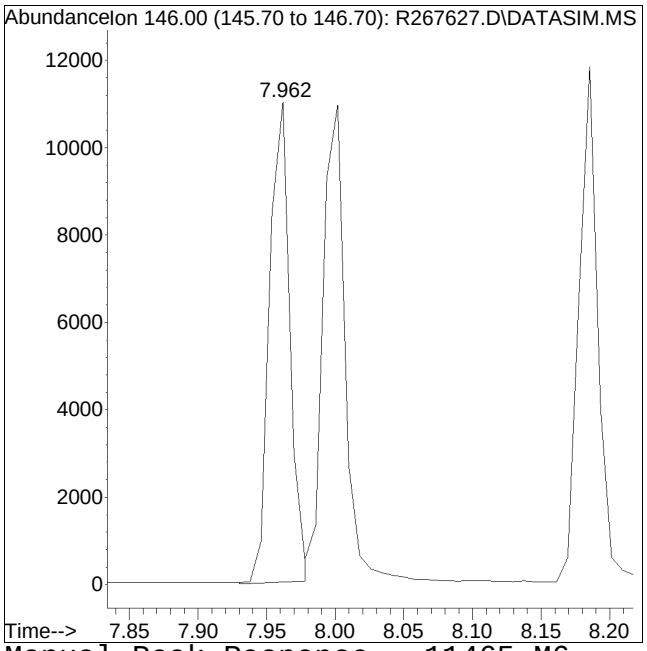
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 23778



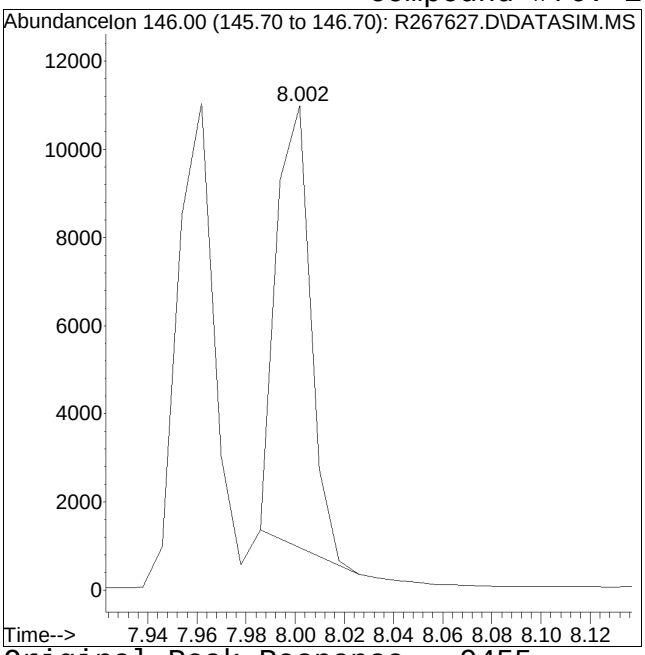
Manual Peak Response = 11465 M6

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

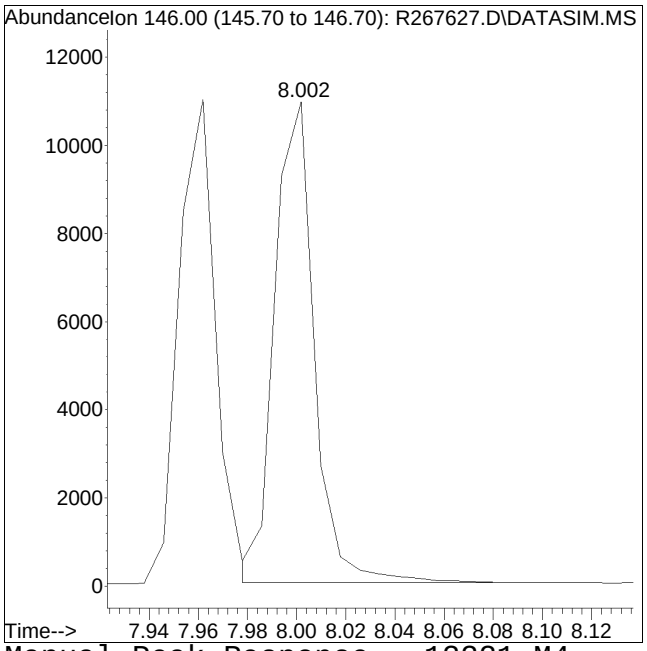
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 9455



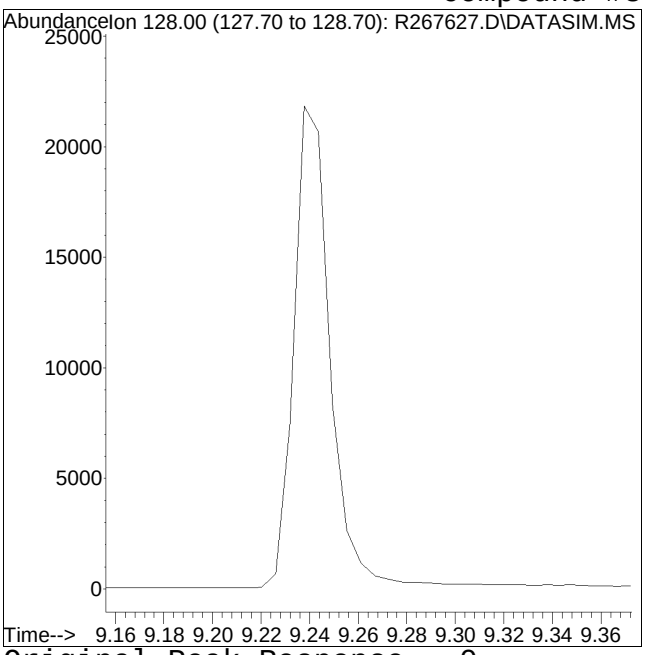
Manual Peak Response = 12221 M4

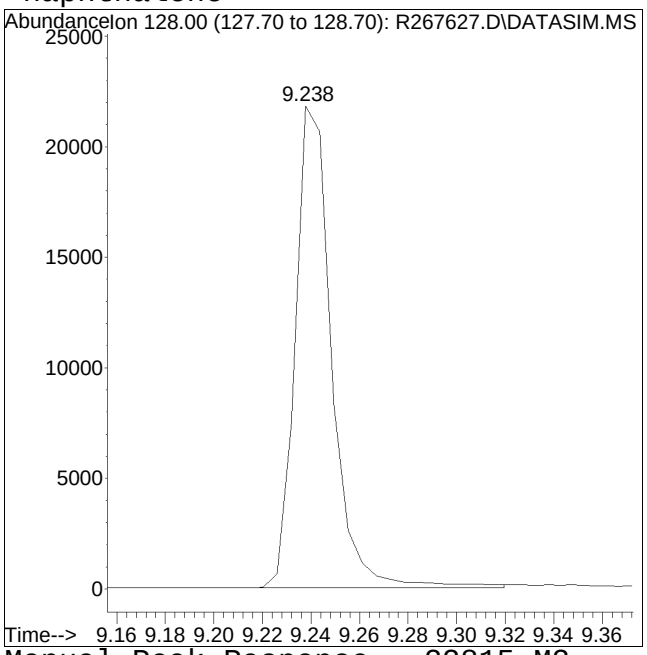
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267627.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 10:38 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.2 Quant Date : 1/8/2026 6:25 am

Compound #83: naphthalene





Original Peak Response = 0 Manual Peak Response = 22815 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:29 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.426	49	200642	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 102.06%			
33) 1,4-difluorobenzene	4.324	114	675927	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 102.57%			
51) chlorobenzene-D5	6.439	54	91406	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 100.42%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	146758	10.154	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.54%			
53) toluene-D8	5.515	98	543527	10.229	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.29%			
67) bromofluorobenzene	7.207	95	338684	10.515	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.15%			
Target Compounds						Qvalue
2) propylene	1.933	41	7611M4	0.598	ppbV	
3) dichlorodifluoromethane	1.955	85	23017	0.560	ppbV	100
4) chloromethane	1.999	50	7888M6	0.472	ppbV	
5) Freon-114	2.026	85	25376	0.568	ppbV	100
6) vinyl chloride	2.059	62	9543	0.564	ppbV	98
7) 1,3-butadiene	2.098	54	6166	0.591	ppbV	98
8) bromomethane	2.175	94	8909	0.559	ppbV	98
9) chloroethane	2.224	64	5189	0.554	ppbV	92
10) ethanol	2.262	31	18562	2.598	ppbV	99
11) vinyl bromide	2.329	106	9362	0.599	ppbV	98
12) acrolein	2.363	56	4019M6	0.522	ppbV	
13) acetone	2.403	43	51208	3.000	ppbV #	99
14) trichlorofluoromethane	2.448	101	21044	0.563	ppbV	99
15) isopropyl alcohol	2.471	45	32208	1.793	ppbV	100
16) acrylonitrile	2.533	53	6791M6	0.544	ppbV	
17) 1,1-dichloroethene	2.629	61	13125	0.569	ppbV	98
18) tertiary butyl alcohol	2.648	59	15101	0.551	ppbV #	89
19) methylene chloride	2.662	49	8515M4	0.526	ppbV	
20) 3-chloropropene	2.701	41	7586	0.541	ppbV #	1
21) carbon disulfide	2.753	76	24127	0.586	ppbV	96
22) Freon 113	2.753	101	18917	0.565	ppbV	99
23) trans-1,2-dichloroethene	2.967	61	11185	0.576	ppbV	99
24) 1,1-dichloroethane	3.042	63	14926	0.555	ppbV	97

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:29 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.077	73	21786	0.585	ppbV	#	48
26) vinyl acetate	3.108	43	11663M6	0.429	ppbV		
27) 2-butanone	3.206	43	15110M4	0.478	ppbV		
28) cis-1,2-dichloroethene	3.366	61	12400	0.543	ppbV		99
29) Ethyl Acetate	3.493	61	4131M6	0.790	ppbV		
30) chloroform	3.493	83	19213	0.555	ppbV	#	100
31) Tetrahydrofuran	3.679	42	6805M6	0.518	ppbV		
32) 1,2-dichloroethane	3.809	62	10826	0.544	ppbV	#	81
34) hexane	3.471	57	15900	0.707	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	18193	0.534	ppbV	#	15
37) benzene	4.126	78	31148	0.548	ppbV	#	100
38) carbon tetrachloride	4.201	117	17426	0.531	ppbV	#	30
39) cyclohexane	4.258	56	13450	0.568	ppbV	#	1
40) Dibromomethane	4.503	93	11472	0.516	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	10922	0.535	ppbV	#	1
42) bromodichloromethane	4.616	83	18805	0.547	ppbV	#	100
43) 1,4-dioxane	4.672	88	5980	0.564	ppbV	#	1
44) trichloroethene	4.644	130	15118	0.568	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	41695	0.591	ppbV	#	58
46) heptane	4.823	43	13384	0.562	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	15245	0.521	ppbV	#	100
48) 4-methyl-2-pentanone	5.124	43	17334M3	0.528	ppbV		
49) trans-1,3-dichloropropene	5.356	75	11444	0.521	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	13005	0.522	ppbV	#	1
52) toluene	5.563	91	37168	0.551	ppbV		100
54) 2-hexanone	5.747	43	15136M6	0.485	ppbV		
55) dibromochloromethane	5.763	129	17930	0.533	ppbV		99
56) 1,2-dibromoethane	5.882	107	18967	0.536	ppbV		100
57) tetrachloroethene	6.130	166	16718	0.554	ppbV		99
58) 1,1,1,2-tetrachloroethane	6.461	131	14132	0.504	ppbV	#	100
59) chlorobenzene	6.461	112	29835	0.542	ppbV	#	89
60) ethylbenzene	6.668	91	46074	0.530	ppbV		98
61) m+p-xylene	6.761	91	74442	1.100	ppbV		99
62) bromoform	6.756	173	15289	0.511	ppbV		100
63) styrene	6.934	104	25769	0.500	ppbV		99
64) 1,1,2,2-tetrachloroethane	6.980	83	27069	0.522	ppbV		100
65) o-xylene	6.986	91	36042	0.548	ppbV		98
66) 1,2,3-Trichloropropane	7.044	75	19777	0.503	ppbV		99
68) isopropylbenzene	7.295	105	53421	0.537	ppbV		98
69) Bromobenzene	7.301	77	32480	0.516	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:29 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

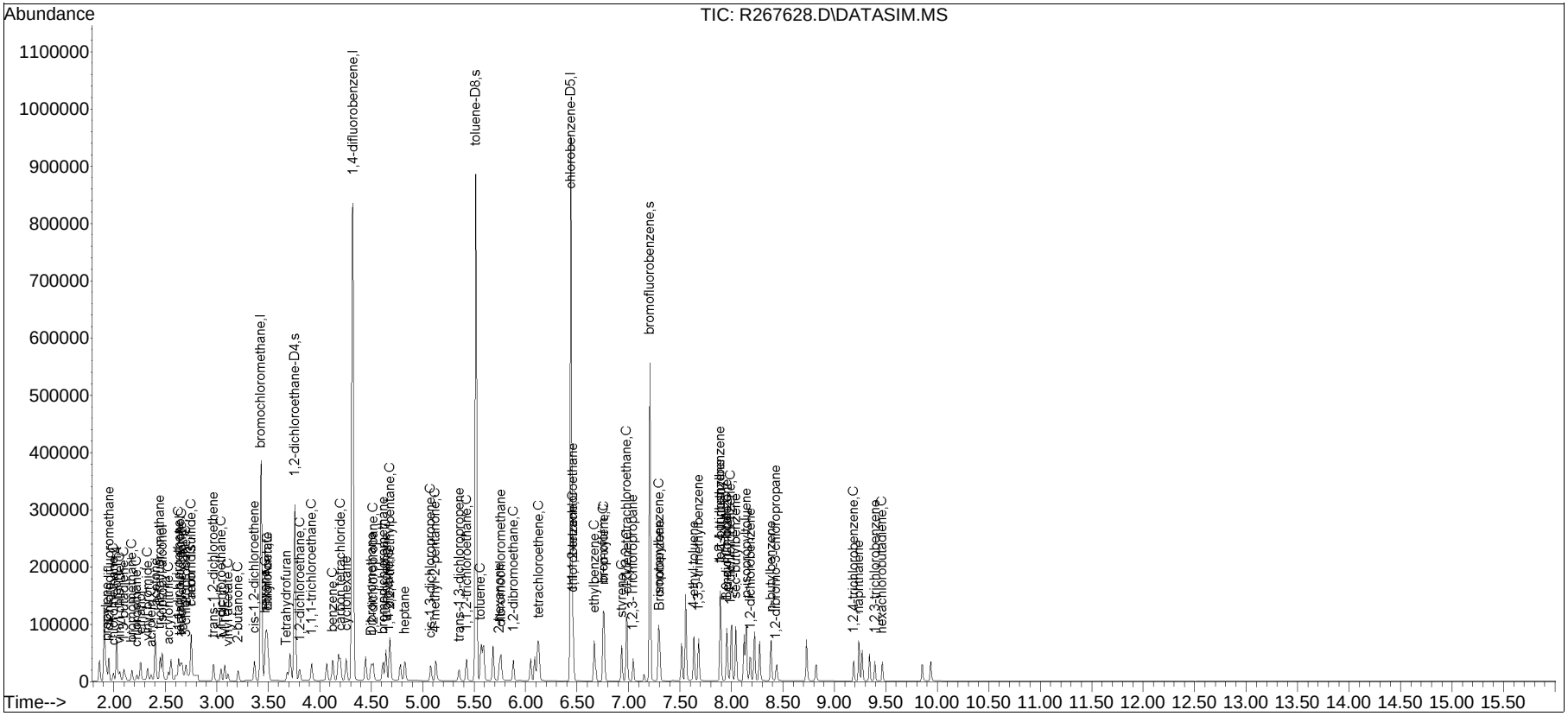
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	7.635	105	45585M6	0.512	ppbV	
71) 1,3,5-trimethylbenzene	7.683	105	37436M6	0.514	ppbV	
72) tert-butylbenzene	7.890	119	42506	0.489	ppbV	99
73) 1,2,4-trimethylbenzene	7.890	105	38993	0.498	ppbV	99
74) Benzyl Chloride	7.954	91	28199	0.444	ppbV	99
75) 1,3-dichlorobenzene	7.954	146	28901M4	0.489	ppbV	
76) 1,4-dichlorobenzene	7.994	146	29396M4	0.501	ppbV	
77) sec-butylbenzene	8.042	105	60894	0.491	ppbV	99
78) p-isopropyltoluene	8.146	119	52091	0.472	ppbV	99
79) 1,2-dichlorobenzene	8.186	146	28092	0.491	ppbV	100
80) n-butylbenzene	8.385	91	46891	0.451	ppbV	99
81) 1,2-dibromo-3-chloropr...	8.433	75	10221	0.386	ppbV	99
82) 1,2,4-trichlorobenzene	9.189	180	21776	0.391	ppbV	100
83) naphthalene	9.236	128	58887	0.400	ppbV	98
84) 1,2,3-trichlorobenzene	9.394	180	19231	0.298	ppbV	99
85) hexachlorobutadiene	9.464	225	13787	0.364	ppbV	99

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267628.D
Acq On : 07 Jan 2026 11:13 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD0.5
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:25:29 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

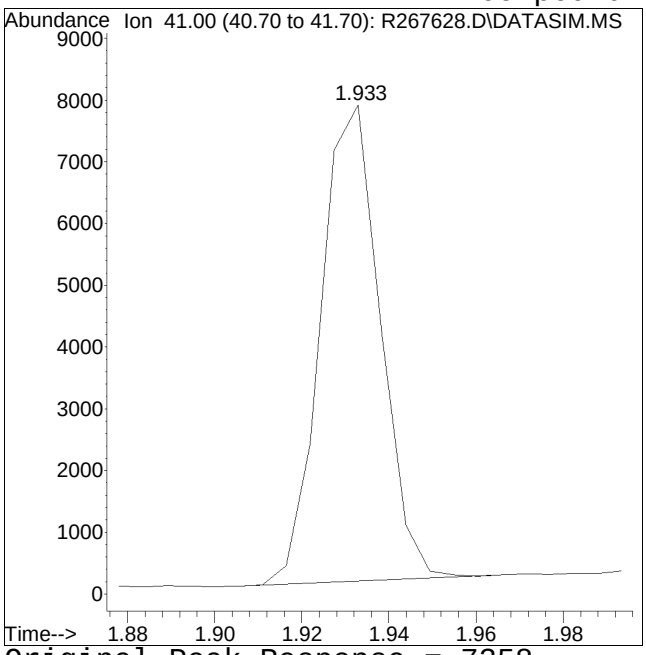


Manual Integration Report

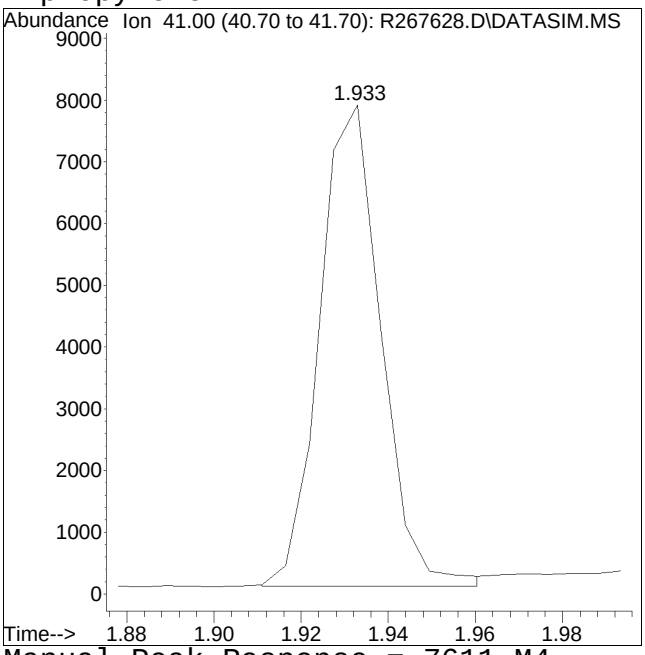
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267628.D
Date Inj'd : 1/7/2026 11:13 pm
Sample : ITO15-LLSTD0.5

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #2: propylene



Original Peak Response = 7358



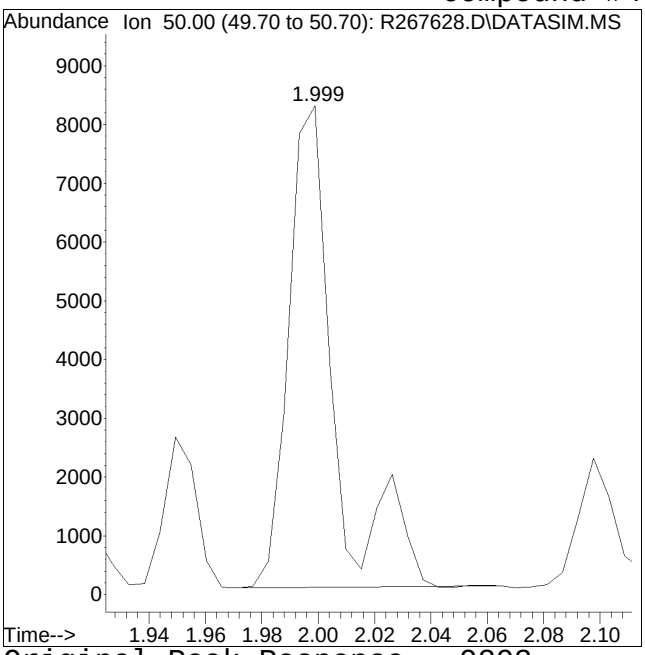
Manual Peak Response = 7611 M4

M4 = Poor automated baseline construction.

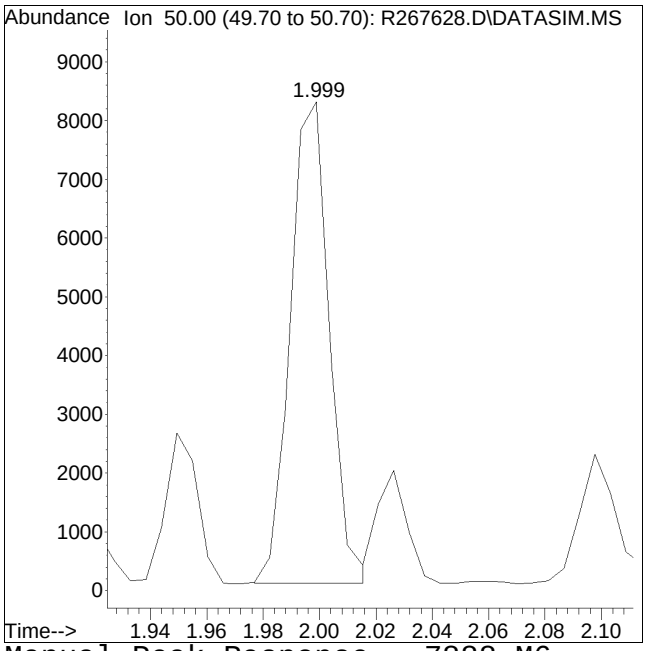
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 9293



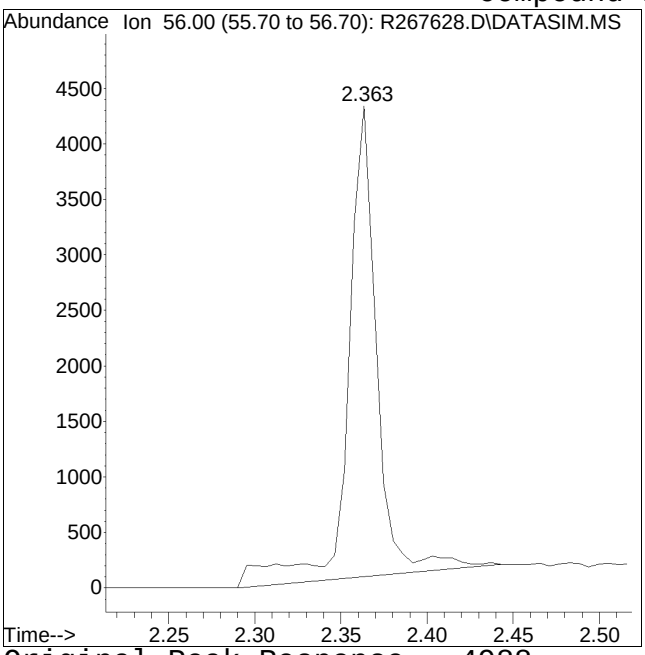
Manual Peak Response = 7888 M6

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

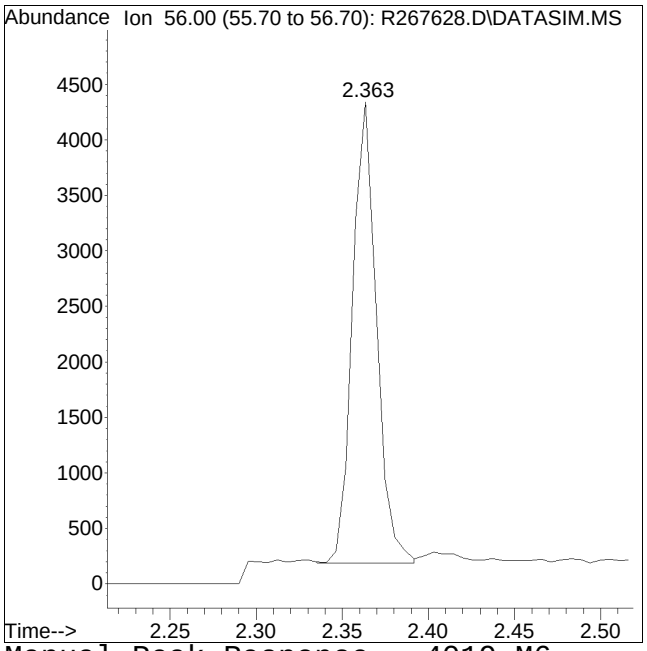
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #12: acrolein



Original Peak Response = 4988



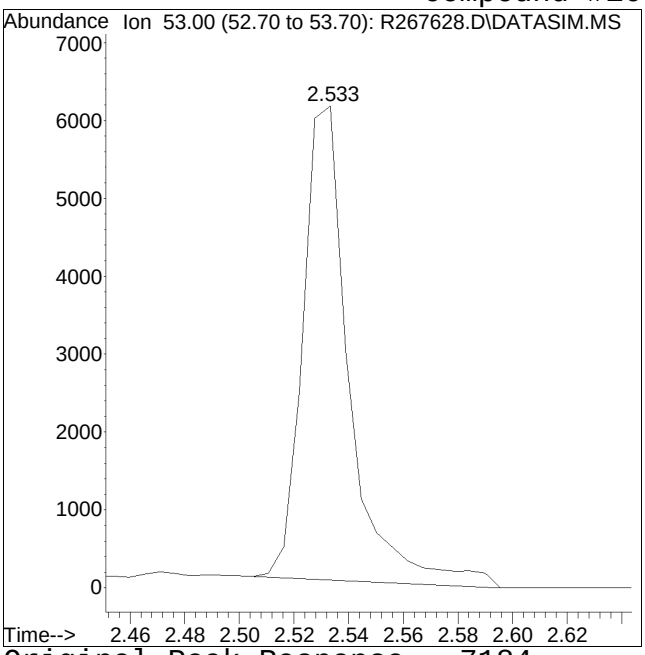
Manual Peak Response = 4019 M6

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

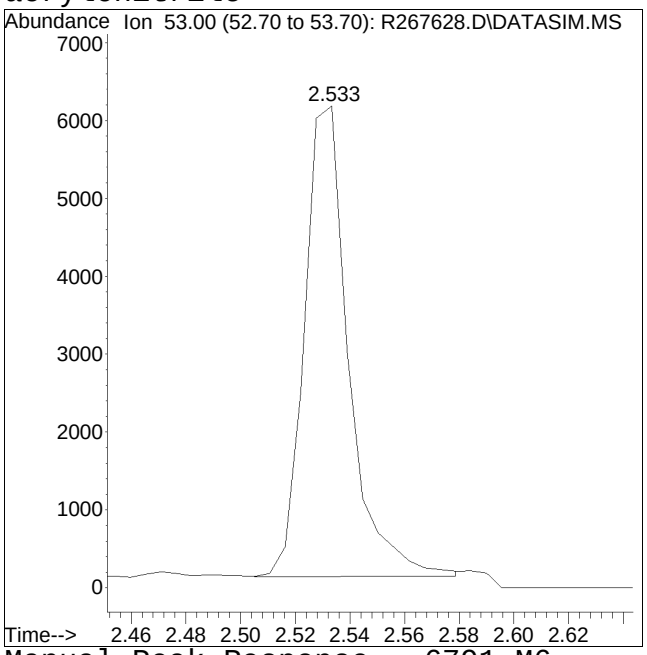
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #16: acrylonitrile



Original Peak Response = 7184



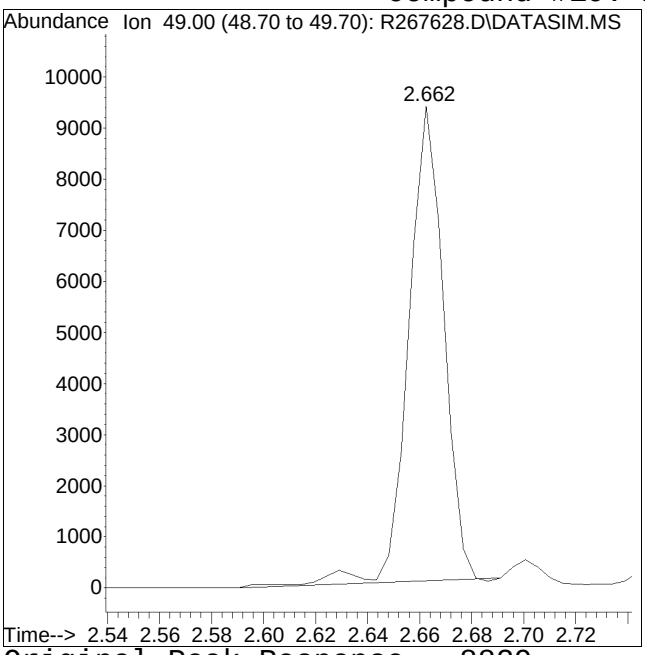
Manual Peak Response = 6791 M6

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

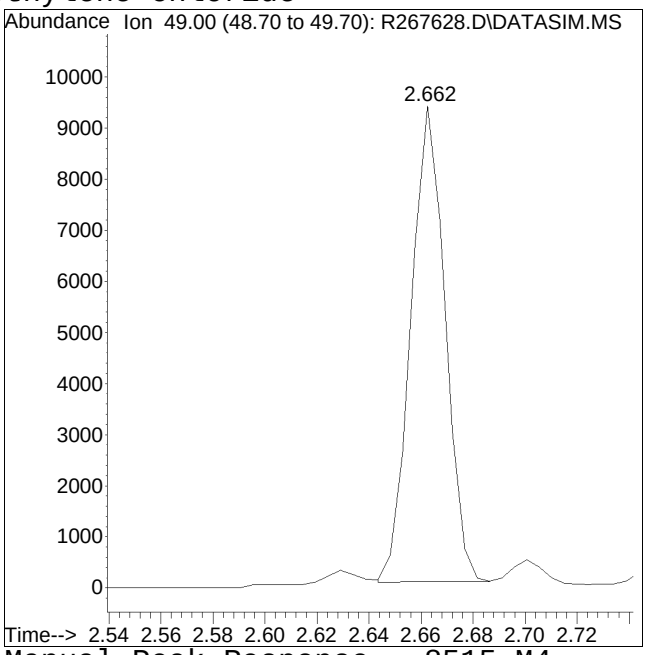
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #19: methylene chloride



Original Peak Response = 8829



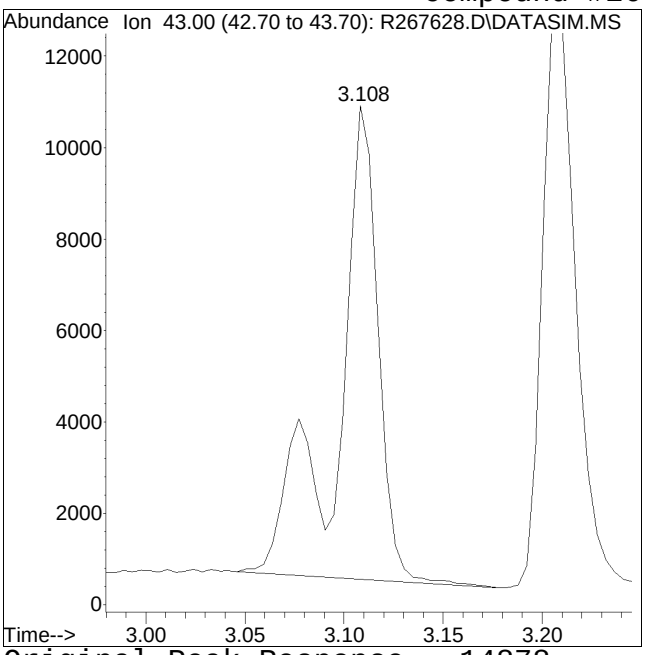
Manual Peak Response = 8515 M4

M4 = Poor automated baseline construction.

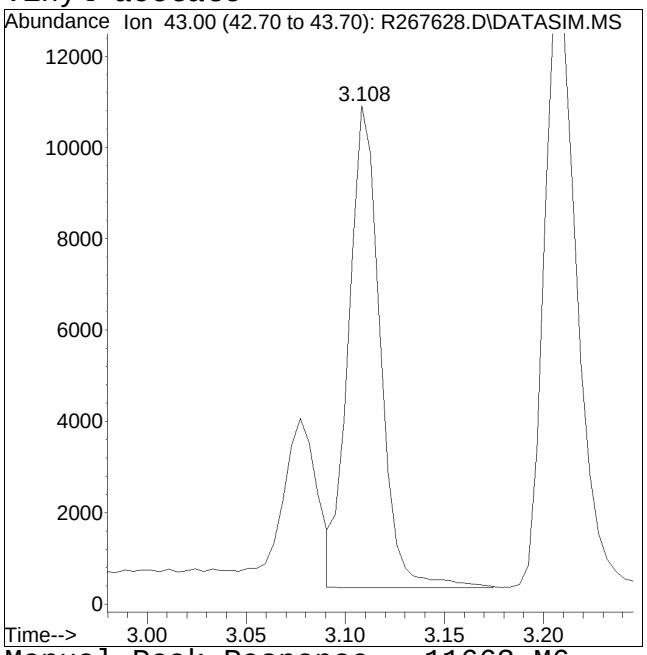
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 14878



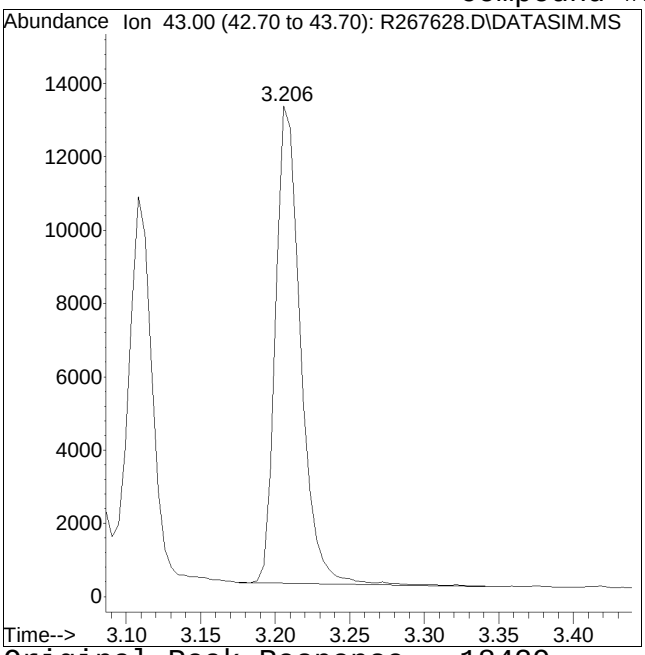
Manual Peak Response = 11663 M6

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

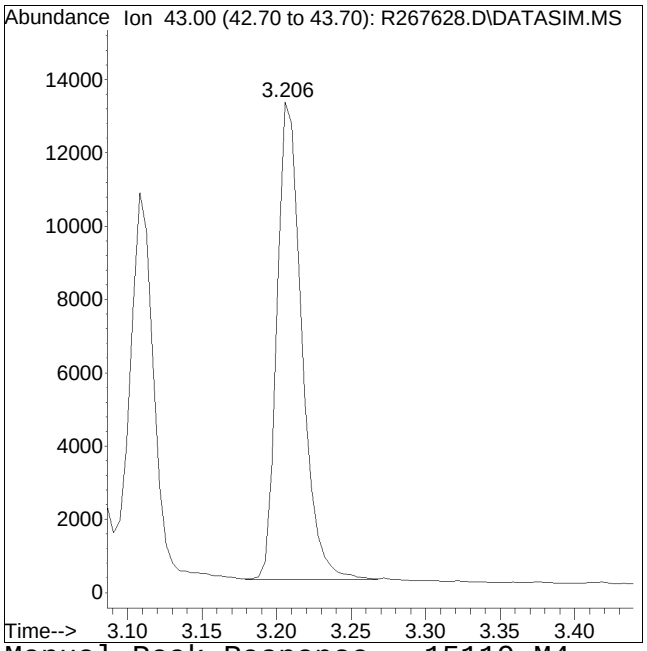
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #27: 2-butanone



Original Peak Response = 18429



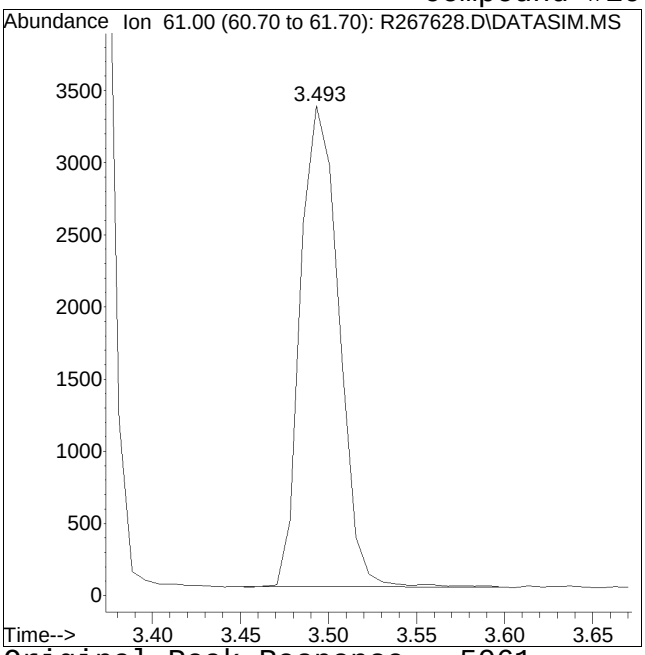
Manual Peak Response = 15110 M4

M4 = Poor automated baseline construction.

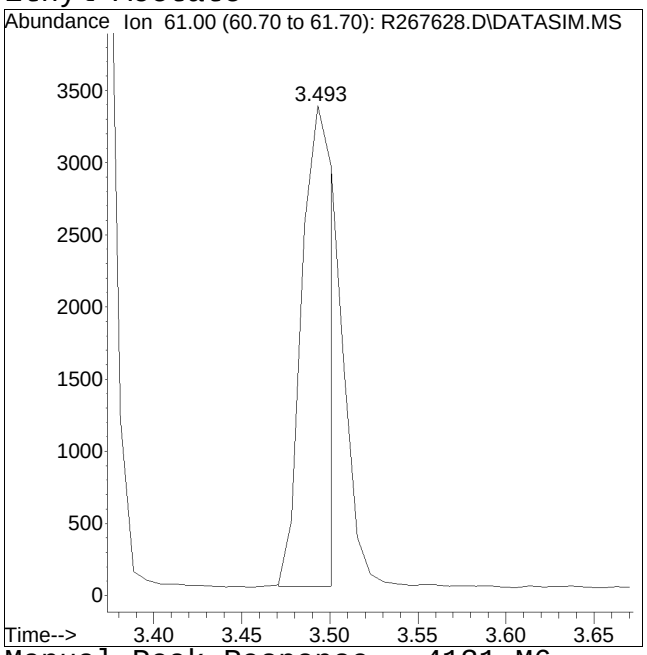
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 5061



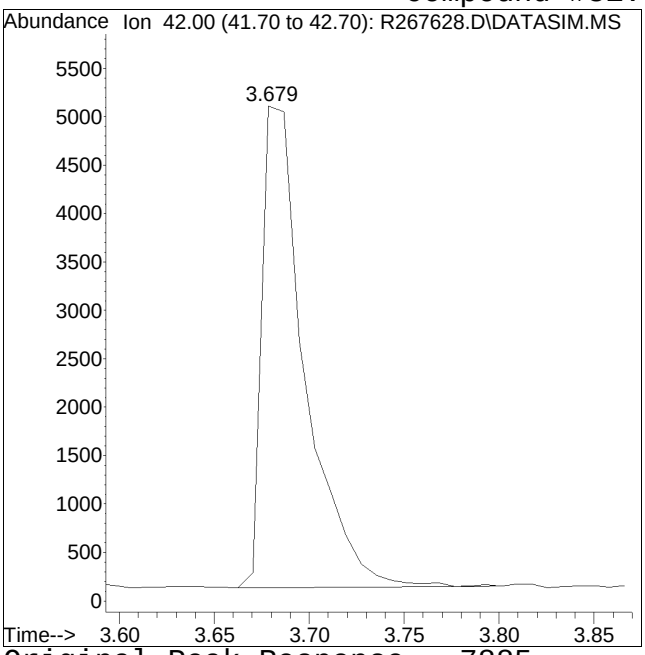
Manual Peak Response = 4131 M6

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

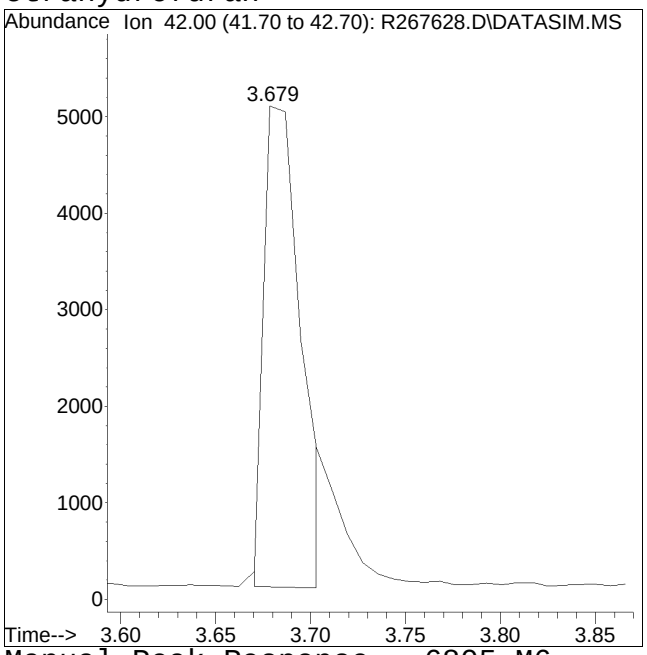
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 7885



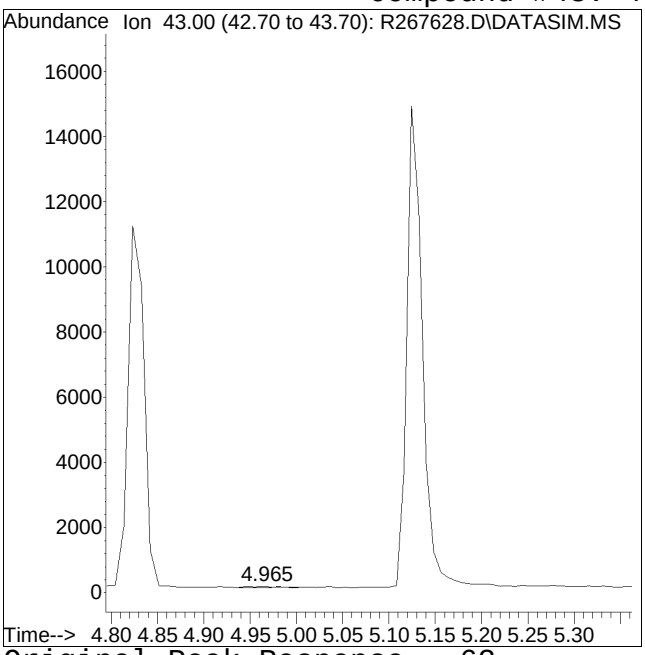
Manual Peak Response = 6805 M6

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

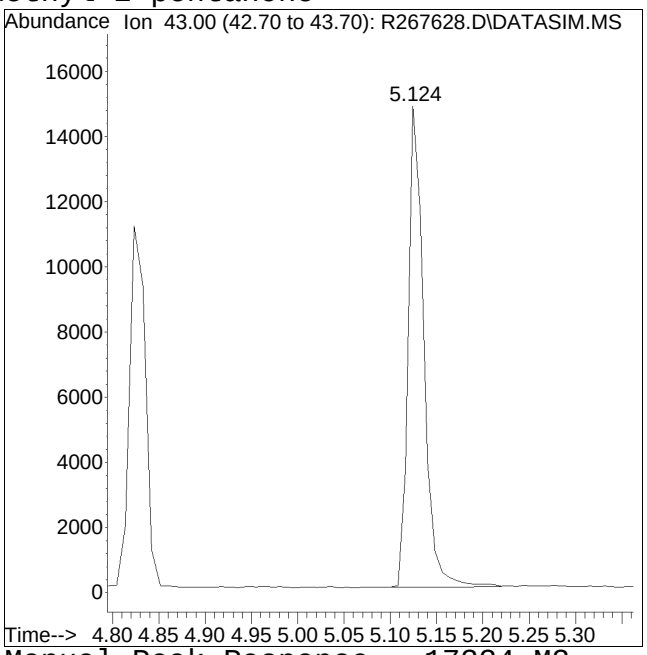
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 62



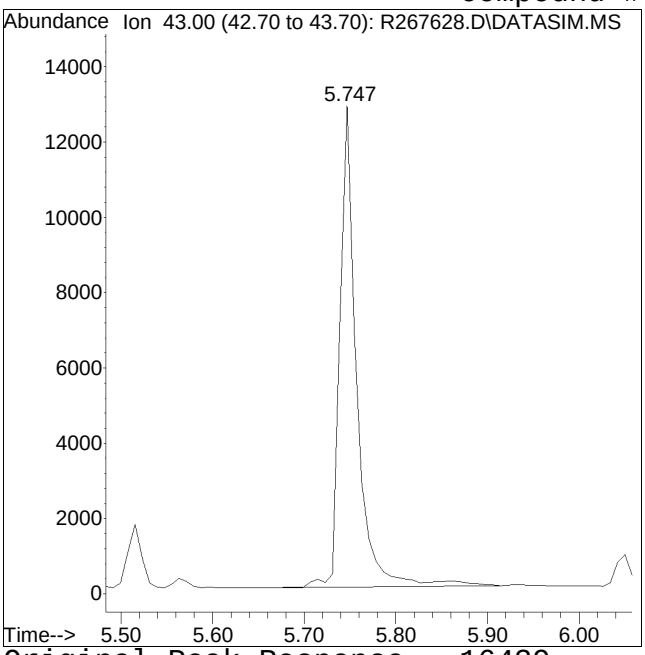
Manual Peak Response = 17334 M3

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.

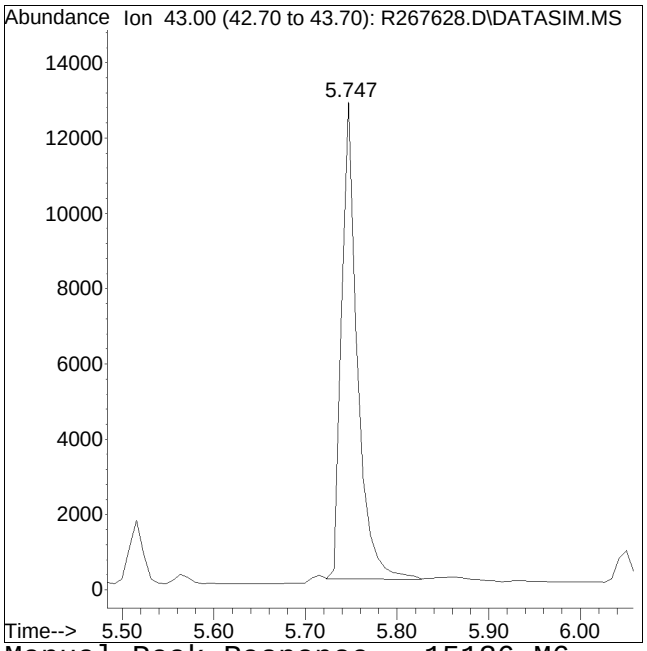
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #54: 2-hexanone



Original Peak Response = 16439



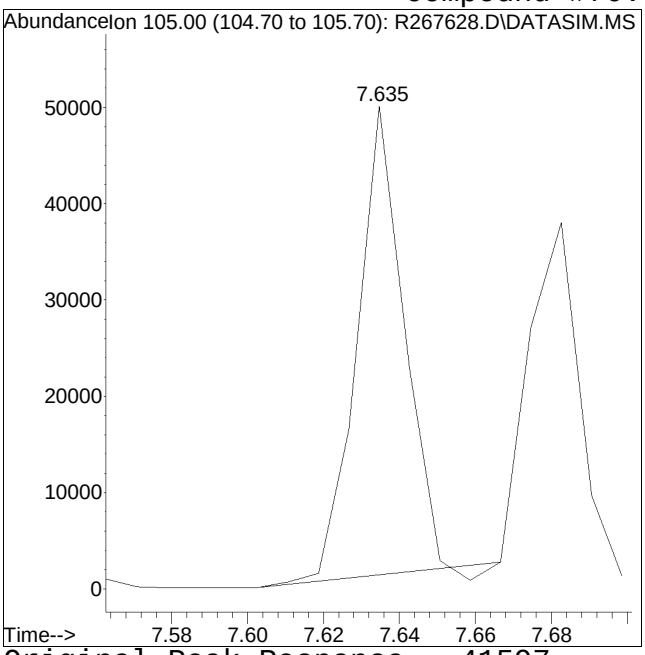
Manual Peak Response = 15136 M6

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

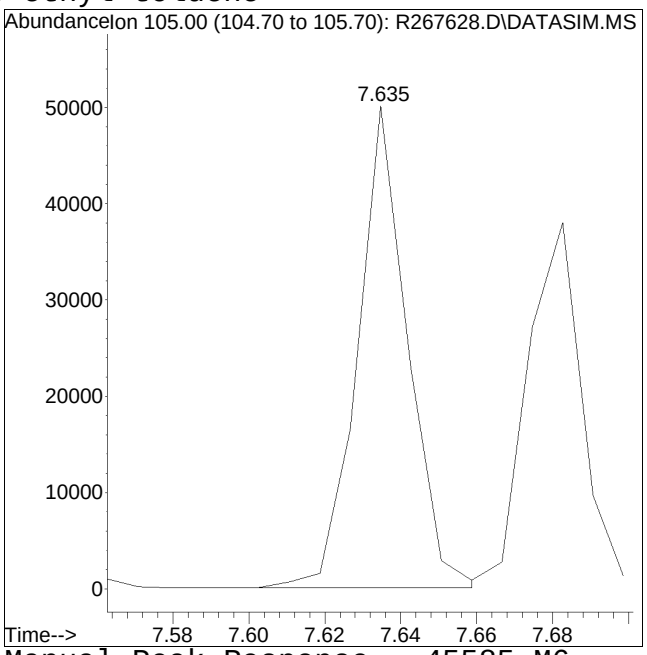
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 41597



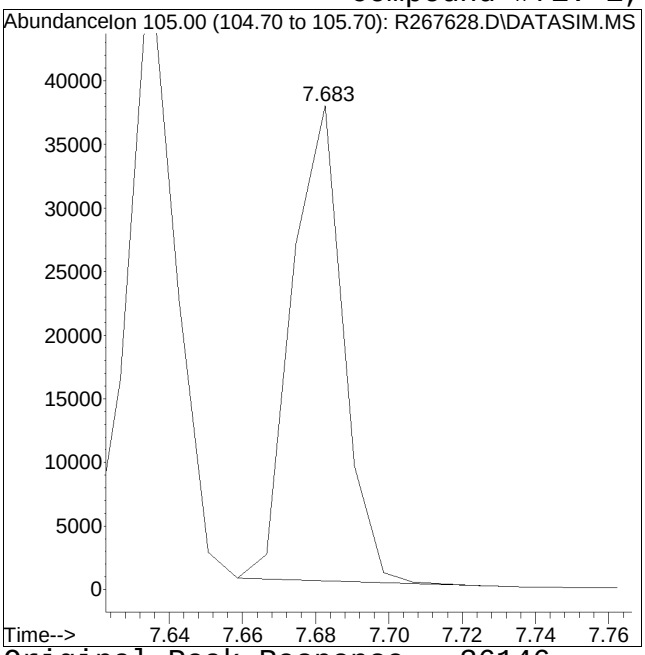
Manual Peak Response = 45585 M6

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

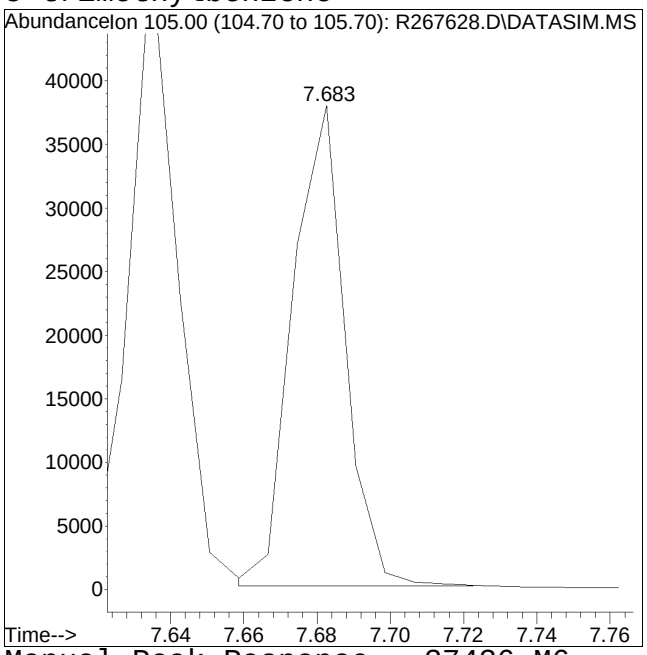
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 36146



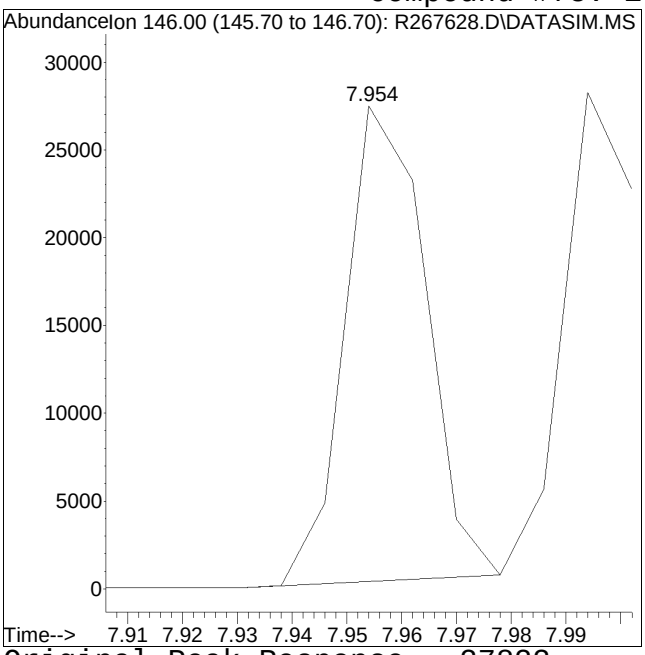
Manual Peak Response = 37436 M6

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

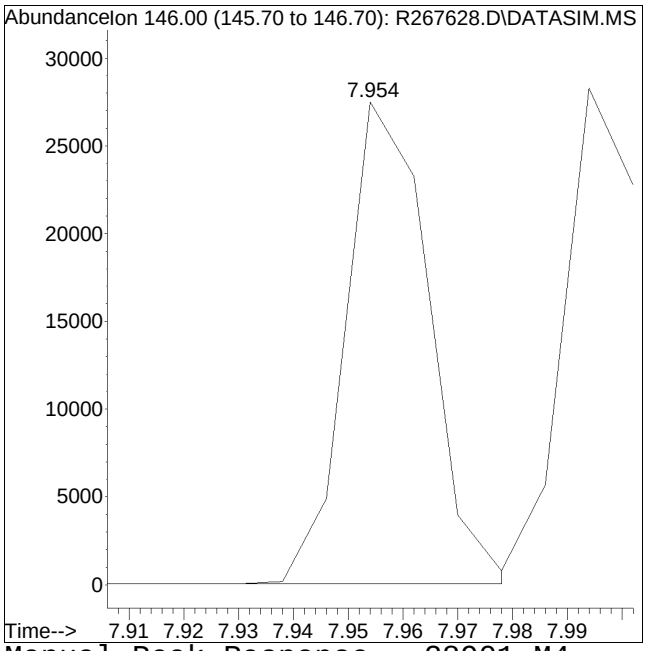
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 27822



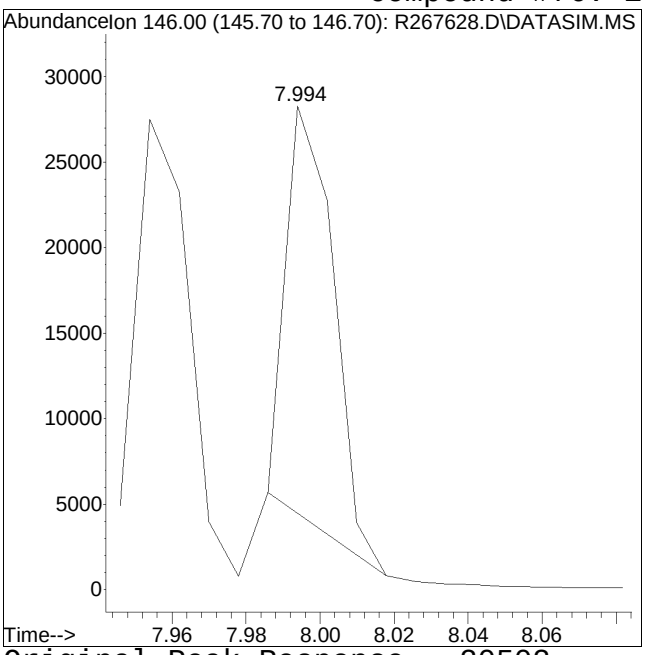
Manual Peak Response = 28901 M4

M4 = Poor automated baseline construction.

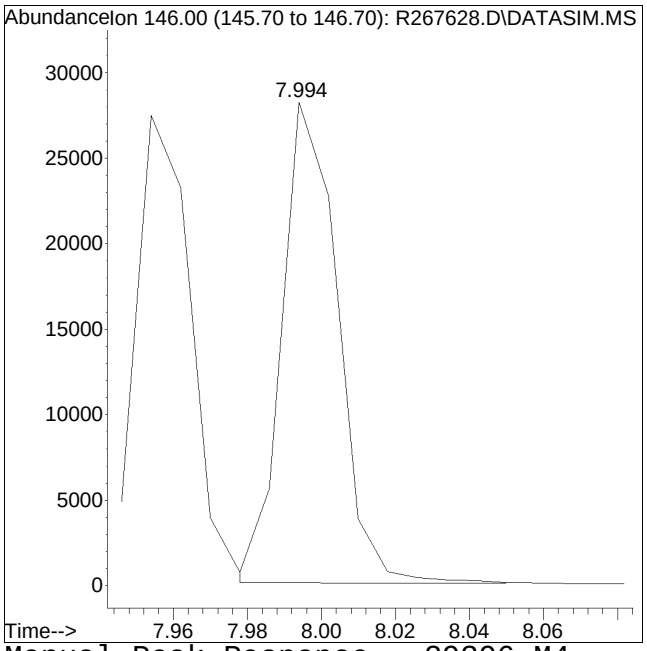
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267628.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:13 pm Instrument : Airlab26
Sample : ITO15-LLSTD0.5 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 20502



Manual Peak Response = 29396 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:24:27 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	202556	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 103.03%			
33) 1,4-difluorobenzene	4.324	114	675716	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 102.53%			
51) chlorobenzene-D5	6.439	54	90318	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 99.22%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	146862	10.164	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.64%			
53) toluene-D8	5.515	98	540431	10.293	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.93%			
67) bromofluorobenzene	7.207	95	325817	10.237	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.37%			
Target Compounds						Qvalue
2) propylene	1.933	41	14621	1.138	ppbV	99
3) dichlorodifluoromethane	1.955	85	45963	1.107	ppbV	100
4) chloromethane	1.999	50	15708M6	0.931	ppbV	
5) Freon-114	2.032	85	50031	1.109	ppbV	100
6) vinyl chloride	2.065	62	18872	1.105	ppbV	100
7) 1,3-butadiene	2.103	54	12130	1.152	ppbV	100
8) bromomethane	2.180	94	17521	1.090	ppbV	96
9) chloroethane	2.229	64	10218	1.080	ppbV	98
10) ethanol	2.262	31	37151	5.150	ppbV	99
11) vinyl bromide	2.329	106	18009	1.141	ppbV	99
12) acrolein	2.363	56	7945M6	1.022	ppbV	
13) acetone	2.403	43	101652	5.900	ppbV #	99
14) trichlorofluoromethane	2.454	101	41621	1.103	ppbV	100
15) isopropyl alcohol	2.471	45	66016	3.640	ppbV	100
16) acrylonitrile	2.533	53	13878	1.101	ppbV	99
17) 1,1-dichloroethene	2.634	61	25713	1.104	ppbV	100
18) tertiary butyl alcohol	2.648	59	31215	1.128	ppbV #	95
19) methylene chloride	2.667	49	17206	1.054	ppbV	94
20) 3-chloropropene	2.705	41	15194	1.073	ppbV #	1
21) carbon disulfide	2.758	76	47463	1.142	ppbV	97
22) Freon 113	2.758	101	37223	1.102	ppbV	99
23) trans-1,2-dichloroethene	2.971	61	22160	1.129	ppbV	100
24) 1,1-dichloroethane	3.046	63	29806	1.097	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:24:27 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.082	73	42846	1.140	ppbV	#	43
26) vinyl acetate	3.113	43	26394M6	0.963	ppbV		
27) 2-butanone	3.206	43	37051	1.160	ppbV		99
28) cis-1,2-dichloroethene	3.366	61	24337	1.056	ppbV		100
29) Ethyl Acetate	3.493	61	7597M6	1.440	ppbV		
30) chloroform	3.493	83	37830	1.083	ppbV	#	100
31) Tetrahydrofuran	3.679	42	14040M6	1.058	ppbV		
32) 1,2-dichloroethane	3.809	62	21476	1.069	ppbV	#	91
34) hexane	3.471	57	31459	1.399	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	36492	1.072	ppbV	#	17
37) benzene	4.126	78	60534	1.066	ppbV	#	100
38) carbon tetrachloride	4.201	117	34865	1.062	ppbV	#	29
39) cyclohexane	4.258	56	26581	1.123	ppbV	#	1
40) Dibromomethane	4.503	93	22376	1.007	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	21560	1.056	ppbV	#	1
42) bromodichloromethane	4.616	83	37268	1.084	ppbV	#	100
43) 1,4-dioxane	4.672	88	12506	1.179	ppbV	#	1
44) trichloroethene	4.644	130	29781	1.119	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	82020	1.162	ppbV	#	58
46) heptane	4.833	43	26608	1.117	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	31065	1.062	ppbV	#	100
48) 4-methyl-2-pentanone	5.124	43	35311	1.076	ppbV	#	59
49) trans-1,3-dichloropropene	5.356	75	22941	1.044	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	25902	1.039	ppbV	#	1
52) toluene	5.571	91	73966	1.110	ppbV		100
54) 2-hexanone	5.739	43	33976	1.102	ppbV	#	88
55) dibromochloromethane	5.763	129	36235	1.091	ppbV		100
56) 1,2-dibromoethane	5.882	107	37826	1.082	ppbV		99
57) tetrachloroethene	6.130	166	33122	1.110	ppbV		100
58) 1,1,1,2-tetrachloroethane	6.461	131	28133	1.014	ppbV	#	100
59) chlorobenzene	6.461	112	58776	1.080	ppbV		95
60) ethylbenzene	6.668	91	92546	1.077	ppbV		99
61) m+p-xylene	6.756	91	147062	2.199	ppbV		99
62) bromoform	6.756	173	30496	1.032	ppbV		100
63) styrene	6.934	104	53594M4	1.053	ppbV		
64) 1,1,2,2-tetrachloroethane	6.980	83	54053	1.056	ppbV		99
65) o-xylene	6.986	91	71265	1.097	ppbV		98
66) 1,2,3-Trichloropropane	7.044	75	39411	1.014	ppbV		99
68) isopropylbenzene	7.289	105	104434	1.062	ppbV		96
69) Bromobenzene	7.301	77	63943	1.028	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:24:27 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:11 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

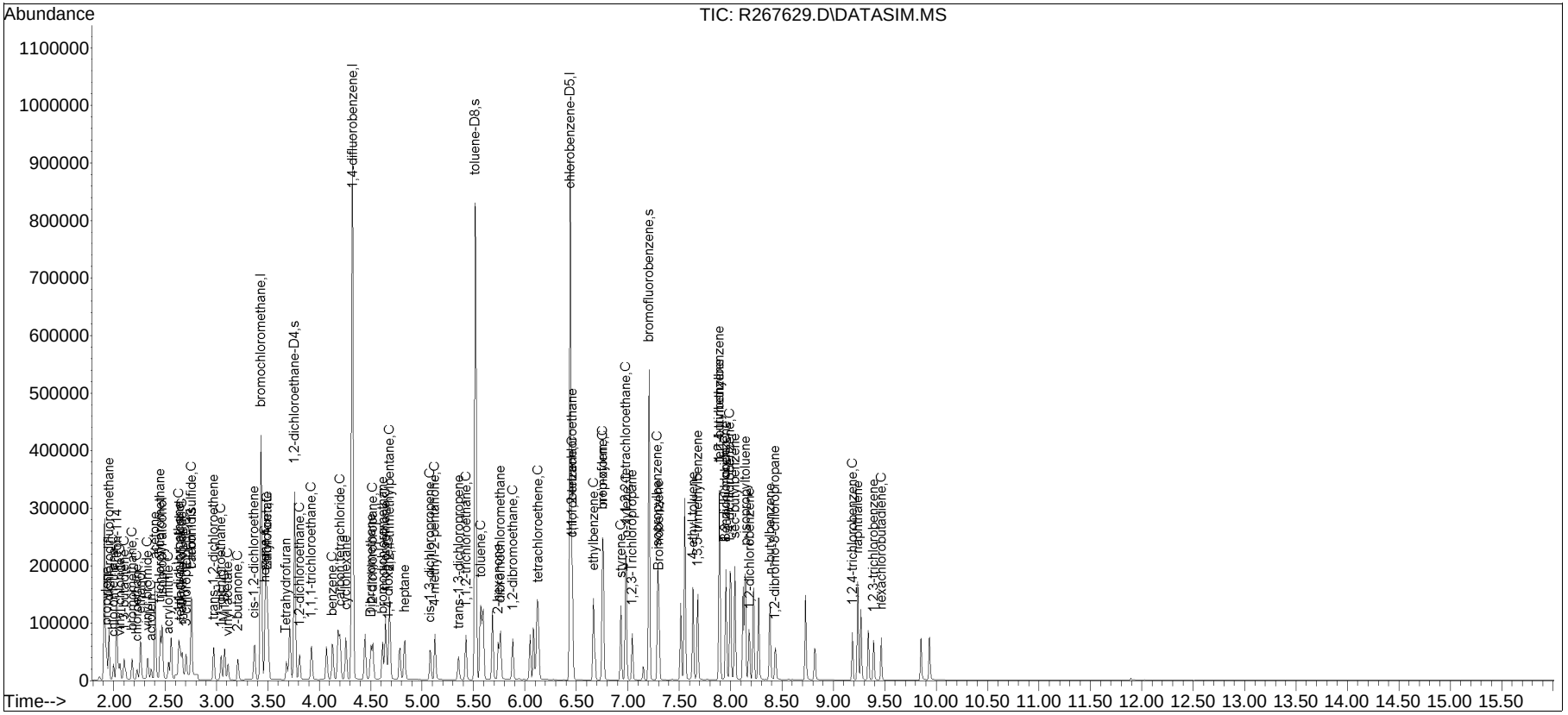
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	7.635	105	91847M6	1.044	ppbV	
71) 1,3,5-trimethylbenzene	7.683	105	75714M6	1.052	ppbV	
72) tert-butylbenzene	7.890	119	84925	0.989	ppbV	99
73) 1,2,4-trimethylbenzene	7.890	105	78491	1.015	ppbV	98
74) Benzyl Chloride	7.954	91	58447	0.932	ppbV	99
75) 1,3-dichlorobenzene	7.954	146	57958M4	0.992	ppbV	
76) 1,4-dichlorobenzene	7.994	146	57800M6	0.996	ppbV	
77) sec-butylbenzene	8.042	105	120567	0.984	ppbV	99
78) p-isopropyltoluene	8.146	119	105842	0.971	ppbV	98
79) 1,2-dichlorobenzene	8.185	146	55467	0.982	ppbV	99
80) n-butylbenzene	8.385	91	92682	0.902	ppbV	99
81) 1,2-dibromo-3-chloropr...	8.433	75	20948	0.800	ppbV	99
82) 1,2,4-trichlorobenzene	9.185	180	45734	0.831	ppbV	99
83) naphthalene	9.238	128	131515M2	0.904	ppbV	
84) 1,2,3-trichlorobenzene	9.390	180	39849	0.625	ppbV	99
85) hexachlorobutadiene	9.466	225	27631	0.739	ppbV	99

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267629.D
Acq On : 07 Jan 2026 11:50 pm
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD1.0
Misc : WG2163147
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 06:24:27 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:11 2026
Response via : Initial Calibration

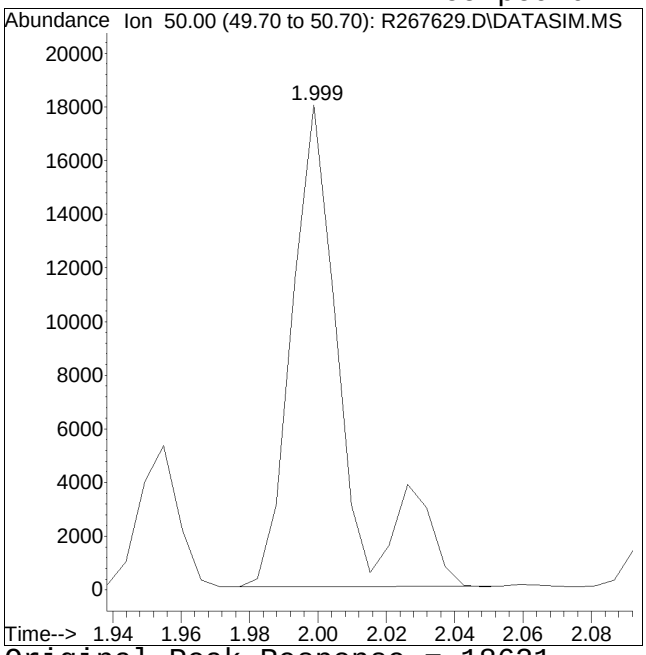


Manual Integration Report

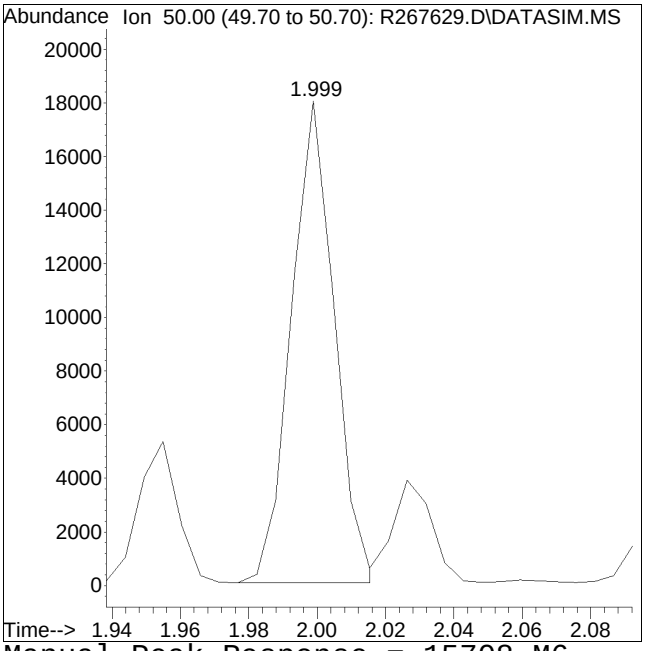
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267629.D
Date Inj'd : 1/7/2026 11:50 pm
Sample : ITO15-LLSTD1.0

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:24 am

Compound #4: chloromethane



Original Peak Response = 18621



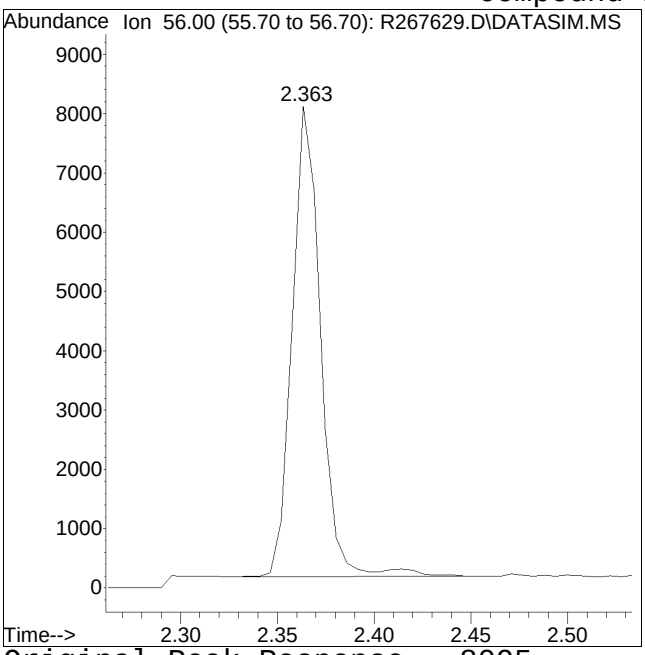
Manual Peak Response = 15708 M6

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

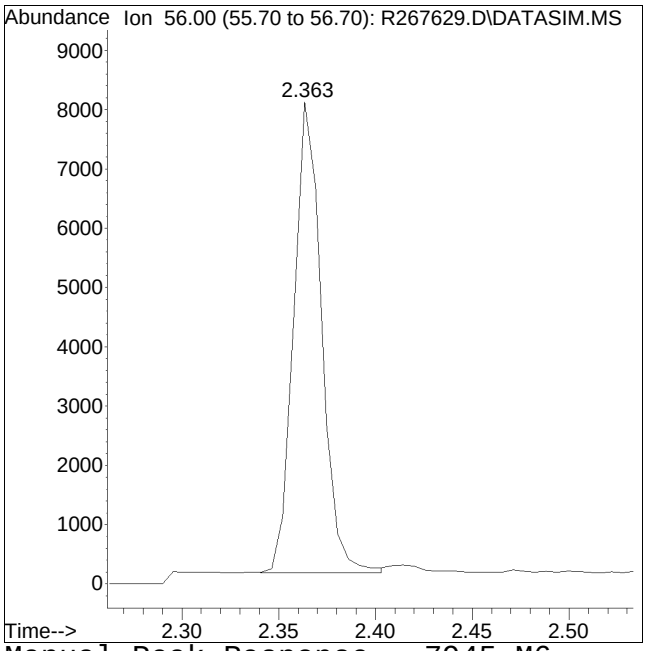
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #12: acrolein



Original Peak Response = 8095



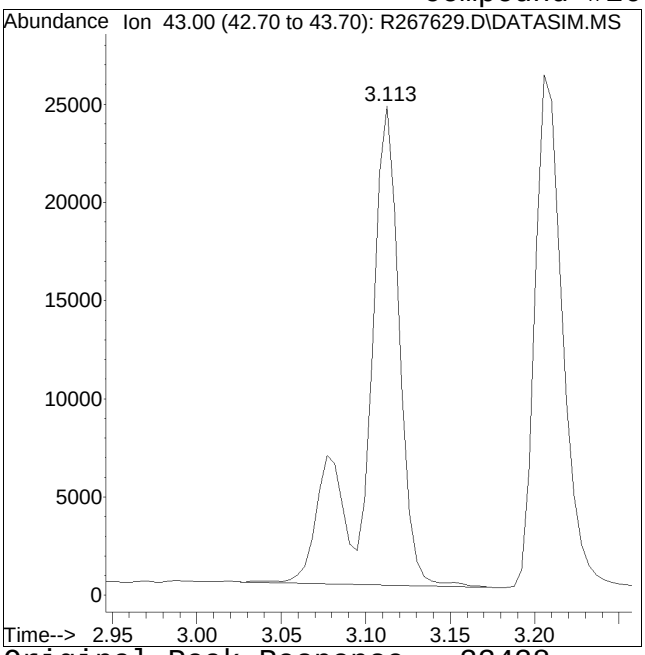
Manual Peak Response = 7945 M6

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

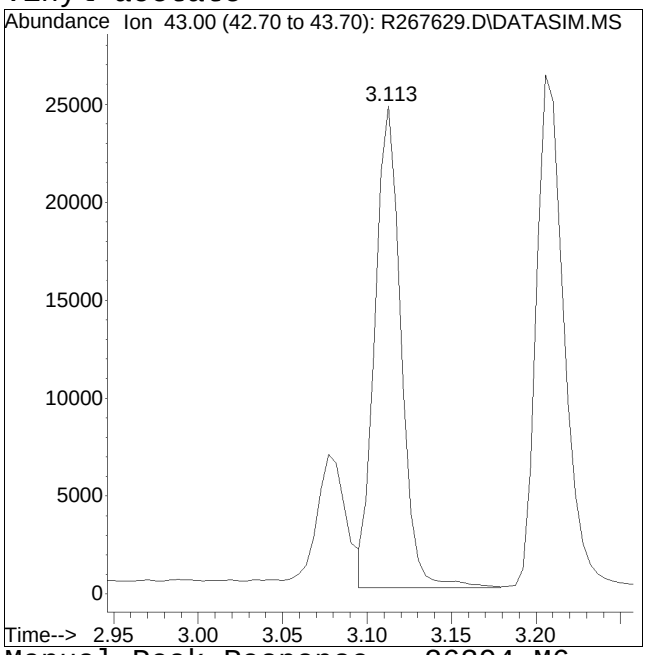
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #26: vinyl acetate



Original Peak Response = 33438



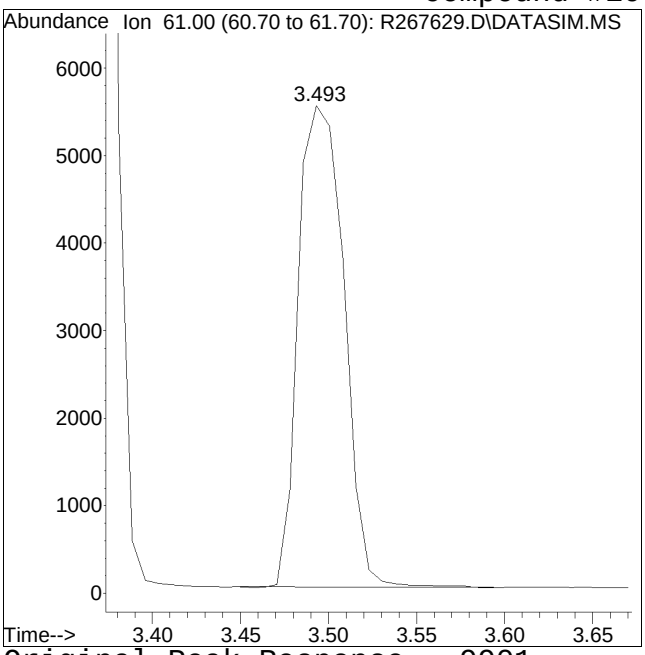
Manual Peak Response = 26394 M6

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

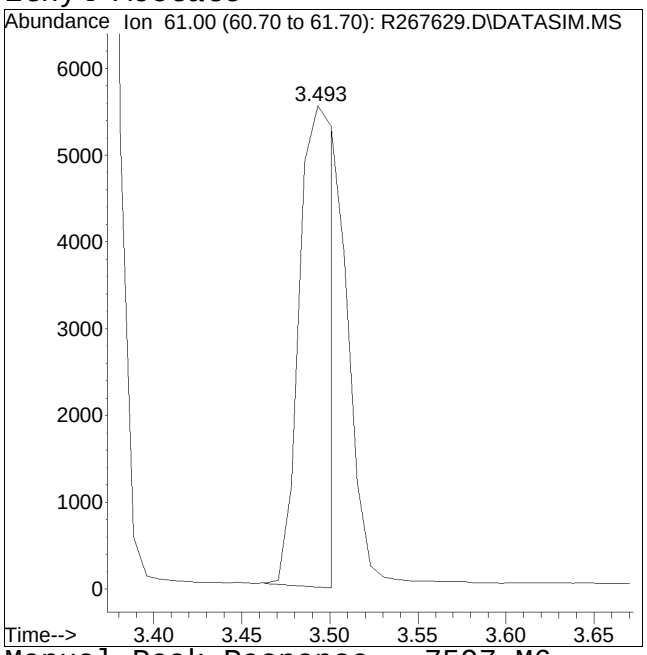
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #29: Ethyl Acetate



Original Peak Response = 9901



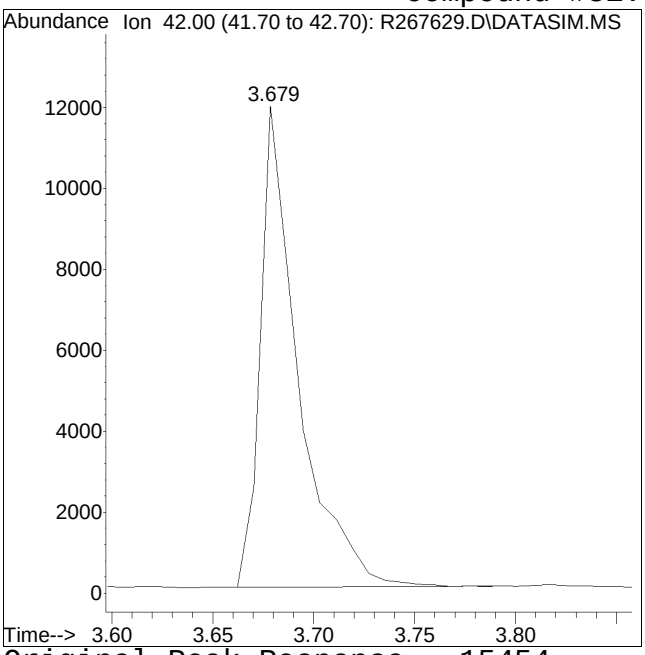
Manual Peak Response = 7597 M6

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

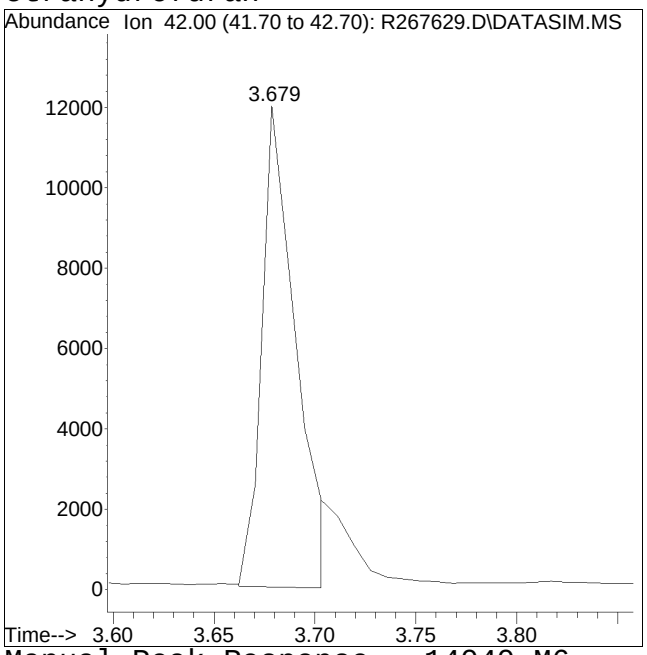
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #31: Tetrahydrofuran



Original Peak Response = 15454



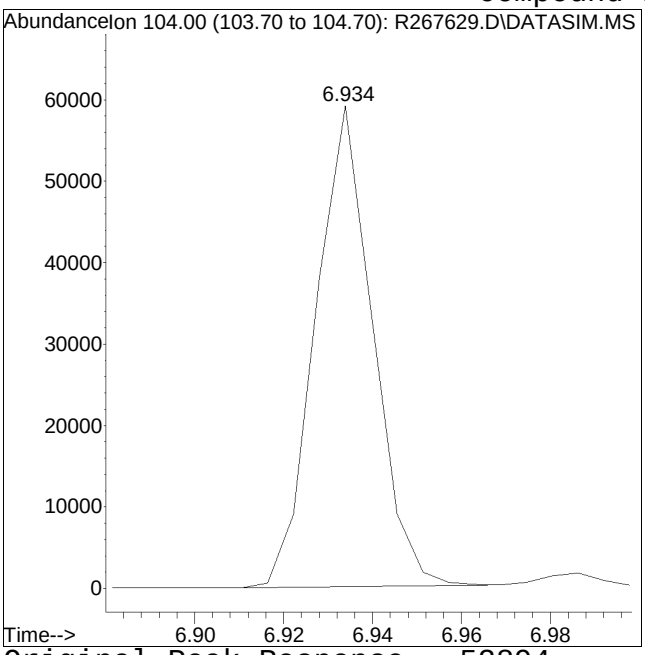
Manual Peak Response = 14040 M6

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

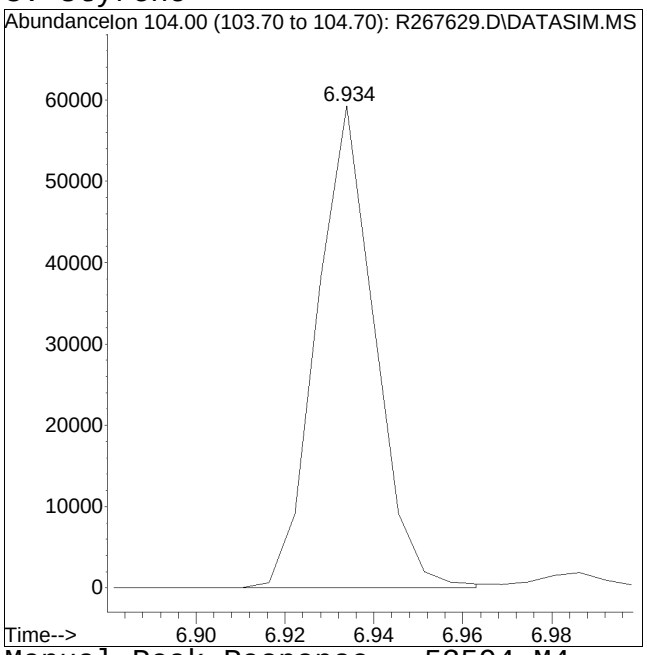
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #63: styrene



Original Peak Response = 52894



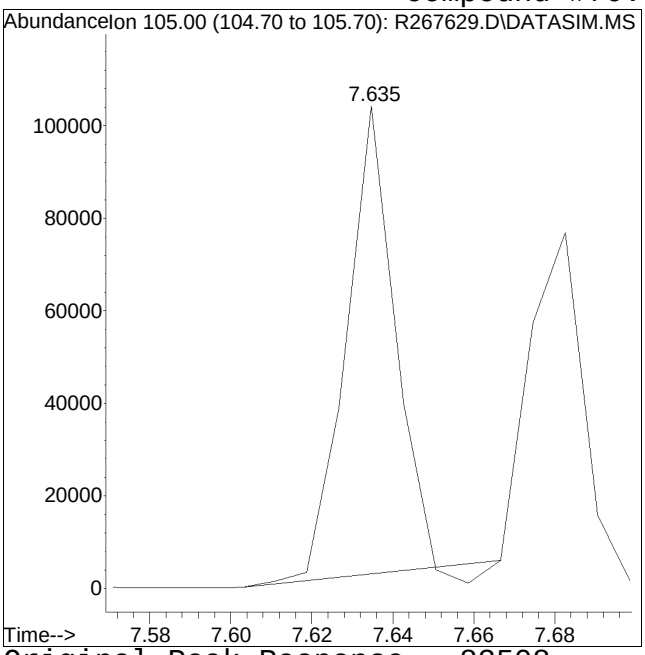
Manual Peak Response = 53594 M4

M4 = Poor automated baseline construction.

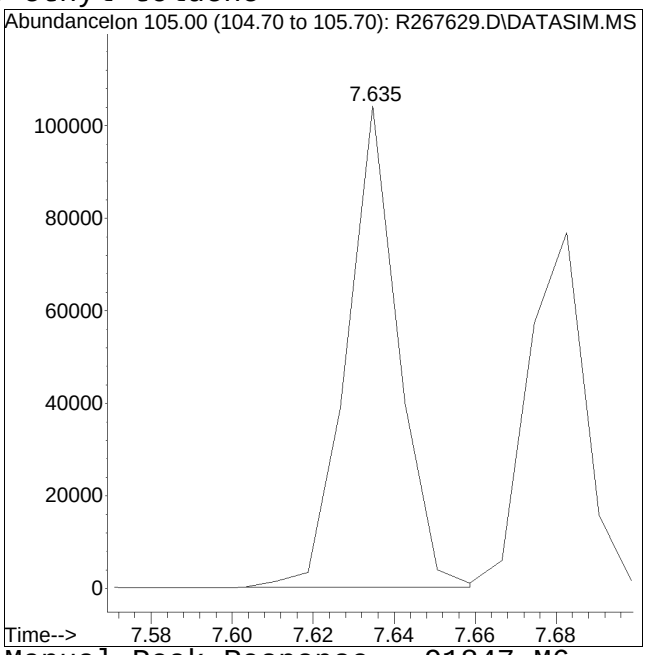
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #70: 4-ethyl toluene



Original Peak Response = 83508



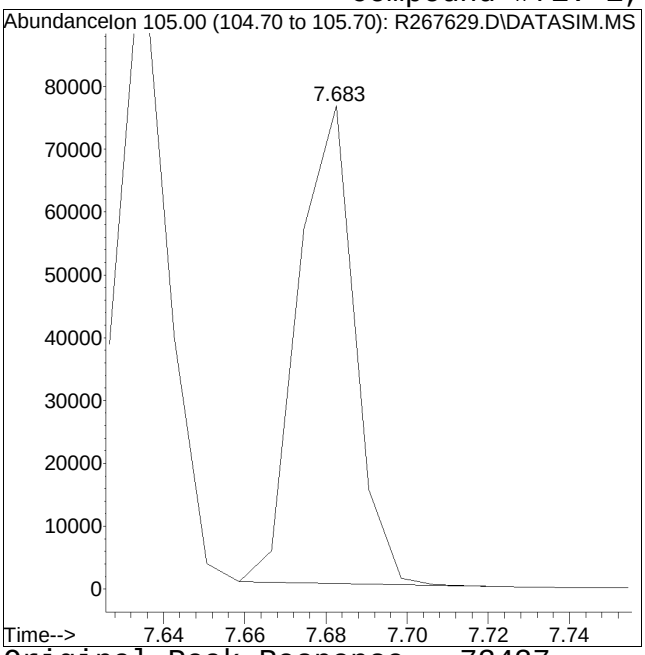
Manual Peak Response = 91847 M6

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

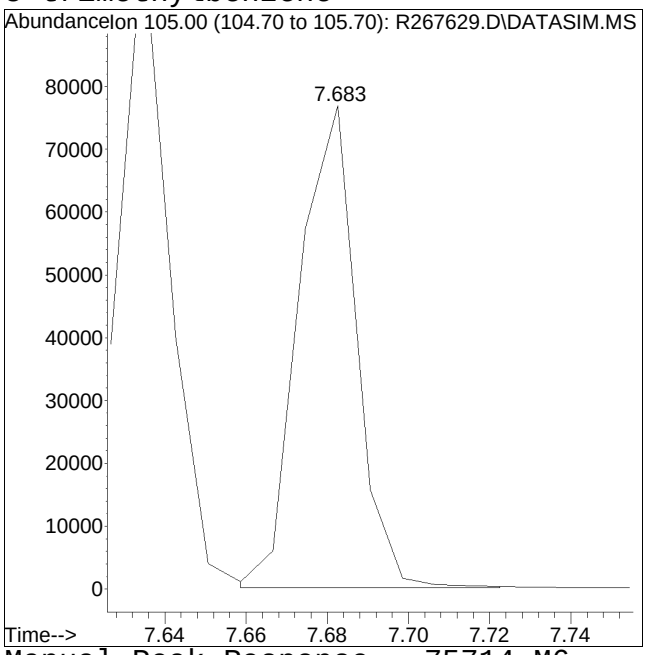
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 73437



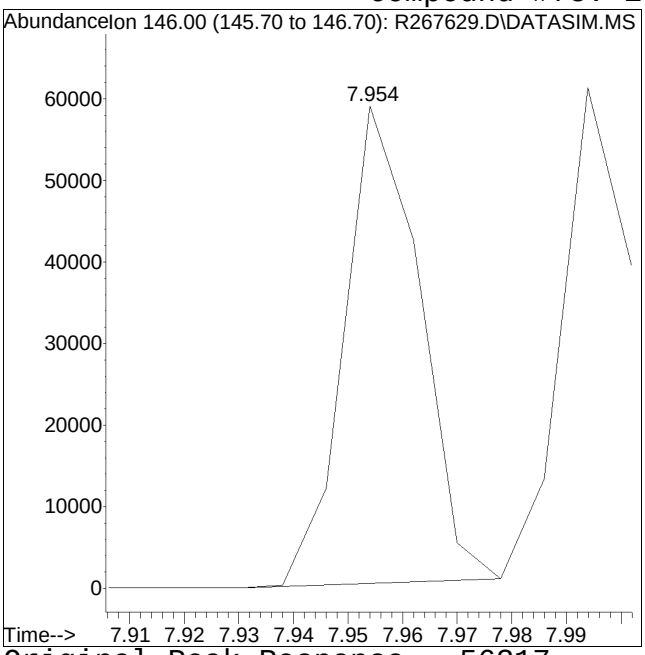
Manual Peak Response = 75714 M6

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

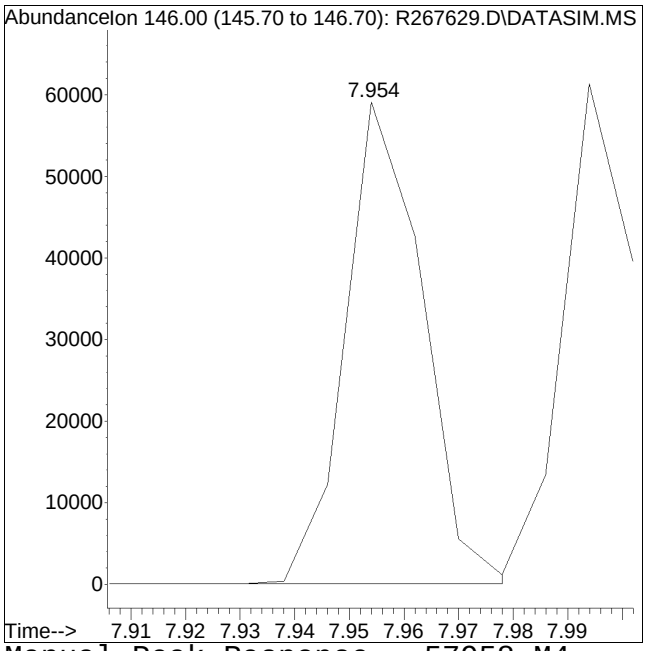
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 56317



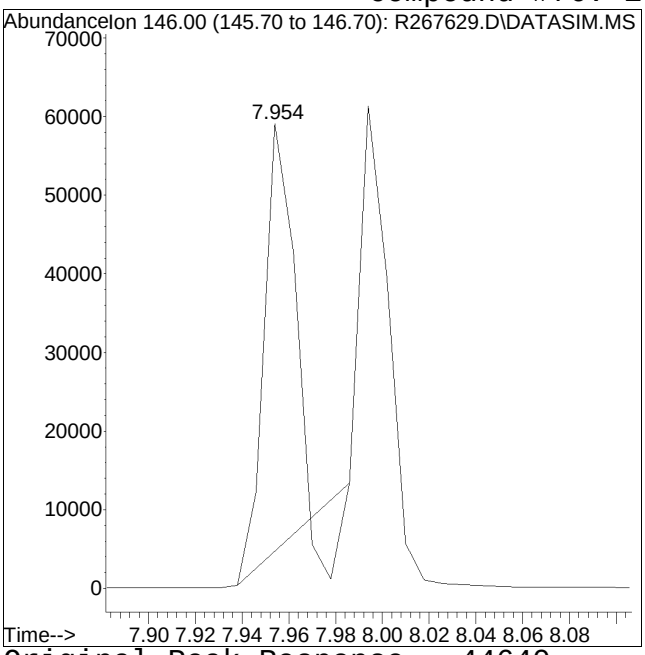
Manual Peak Response = 57958 M4

M4 = Poor automated baseline construction.

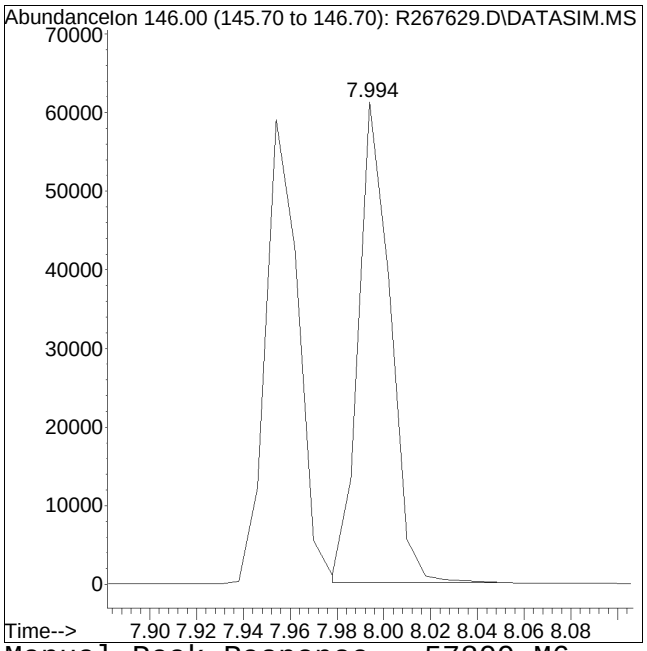
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 44640



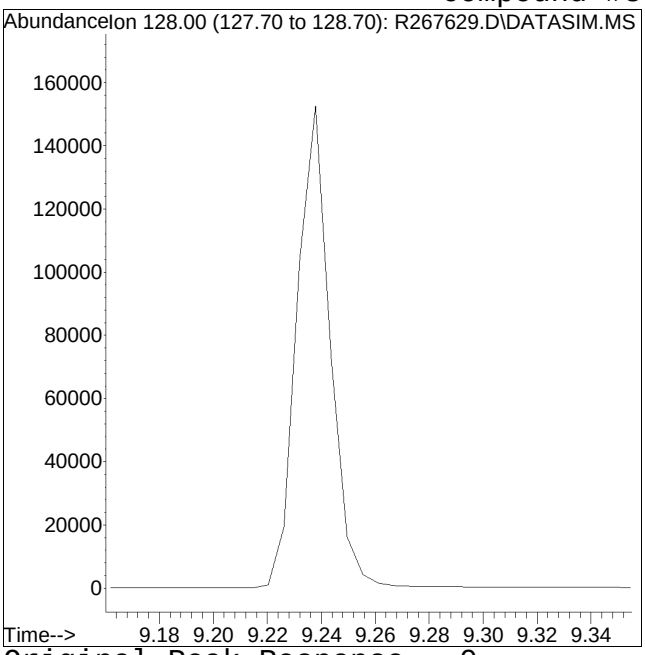
Manual Peak Response = 57800 M6

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

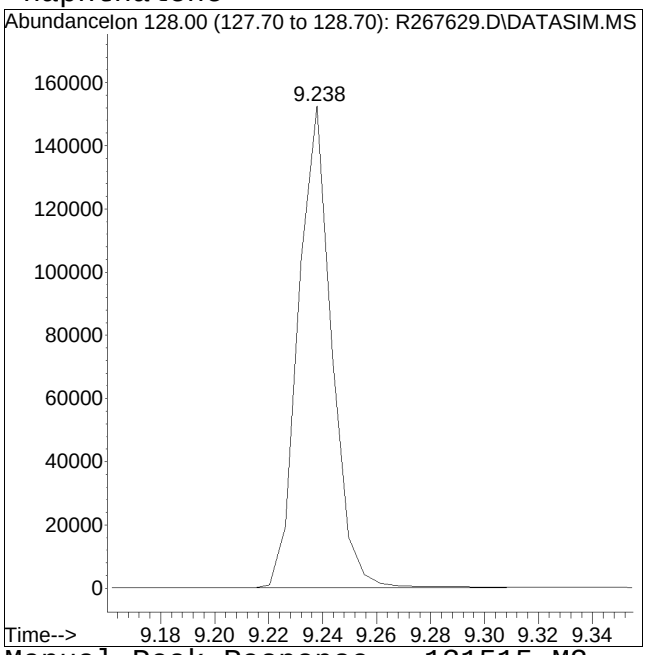
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267629.D Operator : AIRLAB26:KJD
Date Inj'd : 1/7/2026 11:50 pm Instrument : Airlab26
Sample : ITO15-LLSTD1.0 Quant Date : 1/8/2026 6:24 am

Compound #83: naphthalene



Original Peak Response = 0



Manual Peak Response = 131515 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:16:49 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:51:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	196595M2	10.000	ppbV	0.00
Standard Area = 196595			Recovery = 100.00%			
33) 1,4-difluorobenzene	4.324	114	659015M3	10.000	ppbV	0.00
Standard Area = 659015			Recovery = 100.00%			
51) chlorobenzene-D5	6.439	54	91024M2	10.000	ppbV	0.00
Standard Area = 91024			Recovery = 100.00%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	140919M3	11.624	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.24%			
53) toluene-D8	5.515	98	529143	10.236	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.36%			
67) bromofluorobenzene	7.207	95	320750	8.667	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.67%			
Target Compounds						Qvalue
2) propylene	1.933	41	62352	3.414	ppbV	99
3) dichlorodifluoromethane	1.955	85	201440	2.786	ppbV	100
4) chloromethane	1.999	50	69340M6	2.332	ppbV	
5) Freon-114	2.032	85	218842	2.598	ppbV	97
6) vinyl chloride	2.065	62	82881	2.701	ppbV	100
7) 1,3-butadiene	2.103	54	51111	2.735	ppbV	88
8) bromomethane	2.180	94	78014	2.559	ppbV	98
9) chloroethane	2.229	64	45897	2.912	ppbV	99
10) ethanol	2.257	31	175046	22.091	ppbV	83
11) vinyl bromide	2.335	106	76618	2.692	ppbV	100
12) acrolein	2.363	56	36620M4	2.363	ppbV	
13) acetone	2.403	43	418072	18.779	ppbV	95
14) trichlorofluoromethane	2.454	101	183161	3.084	ppbV	100
15) isopropyl alcohol	2.471	45	220020	9.440	ppbV	99
16) acrylonitrile	2.533	53	61146	4.068	ppbV	99
17) 1,1-dichloroethene	2.634	61	112998	3.715	ppbV	93
18) tertiary butyl alcohol	2.643	59	134273	4.406	ppbV	97
19) methylene chloride	2.667	49	79239	4.626	ppbV #	76
20) 3-chloropropene	2.705	41	68693M3	5.846	ppbV	
21) carbon disulfide	2.758	76	201709M3	3.556	ppbV	
22) Freon 113	2.758	101	163931	3.356	ppbV	99
23) trans-1,2-dichloroethene	2.975	61	95215	3.908	ppbV	88

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:16:49 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:51:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) 1,1-dichloroethane	3.046	63	131822	3.814	ppbV		100
25) MTBE	3.077	73	182365M3	4.200	ppbV		
26) vinyl acetate	3.113	43	133042M3	4.054	ppbV		
27) 2-butanone	3.201	43	154962	5.310	ppbV		98
28) cis-1,2-dichloroethene	3.366	61	111850	4.508	ppbV		86
29) Ethyl Acetate	3.486	61	25611M6	2.754	ppbV		
30) chloroform	3.493	83	169511M2	3.880	ppbV		
31) Tetrahydrofuran	3.670	42	64393M3	5.579	ppbV		
32) 1,2-dichloroethane	3.809	62	97491	4.393	ppbV		99
34) hexane	3.471	57	109687M3	6.133	ppbV		
36) 1,1,1-trichloroethane	3.923	97	166052M3	4.690	ppbV		
37) benzene	4.126	78	276942M2	5.107	ppbV		
38) carbon tetrachloride	4.201	117	160052M3	4.159	ppbV		
39) cyclohexane	4.258	56	115387M3	5.942	ppbV		
40) Dibromomethane	4.503	93	108369M3	4.138	ppbV		
41) 1,2-dichloropropane	4.522	63	99585M3	4.867	ppbV		
42) bromodichloromethane	4.616	83	167702M3	4.173	ppbV		
43) 1,4-dioxane	4.654	88	51716M3	4.481	ppbV		
44) trichloroethene	4.644	130	129773M3	3.856	ppbV		
45) 2,2,4-trimethylpentane	4.682	57	344099M3	5.490	ppbV		
46) heptane	4.833	43	116117M3	6.405	ppbV		
47) cis-1,3-dichloropropene	5.076	75	142677M2	4.544	ppbV		
48) 4-methyl-2-pentanone	5.116	43	160025M3	6.555	ppbV		
49) trans-1,3-dichloropropene	5.356	75	107131M2	4.493	ppbV		
50) 1,1,2-trichloroethane	5.427	97	121554M3	4.164	ppbV		
52) toluene	5.571	91	335861	4.500	ppbV		100
54) 2-hexanone	5.731	43	155398	5.088	ppbV	#	93
55) dibromochloromethane	5.763	129	167437	3.371	ppbV		99
56) 1,2-dibromoethane	5.882	107	176112	3.663	ppbV	#	100
57) tetrachloroethene	6.130	166	150312	3.274	ppbV		93
58) 1,1,1,2-tetrachloroethane	6.455	131	139748	3.568	ppbV	#	99
59) chlorobenzene	6.461	112	274211	3.812	ppbV		94
60) ethylbenzene	6.663	91	432819	4.264	ppbV		97
61) m+p-xylene	6.755	91	673885	8.458	ppbV		99
62) bromoform	6.755	173	148978	3.080	ppbV		99
63) styrene	6.934	104	256547	4.075	ppbV		97
64) 1,1,2,2-tetrachloroethane	6.975	83	258046	3.534	ppbV		99
65) o-xylene	6.980	91	327226	4.216	ppbV		99
66) 1,2,3-Trichloropropane	7.039	75	195774	4.038	ppbV	#	94
68) isopropylbenzene	7.289	105	495539	4.460	ppbV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:16:49 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:51:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

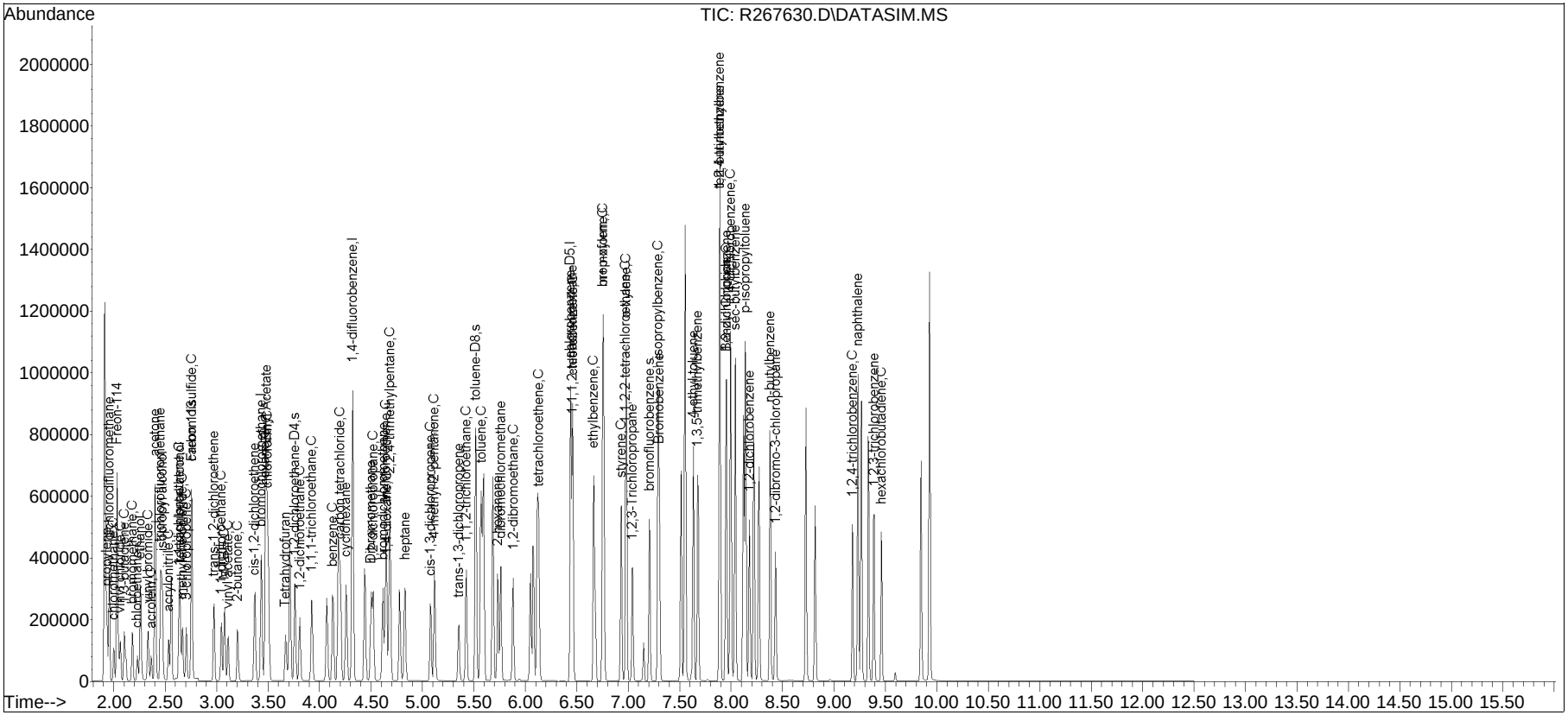
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Bromobenzene	7.300	77	313444	4.143	ppbV #	82
70) 4-ethyl toluene	7.635	105	443374M4	5.176	ppbV	
71) 1,3,5-trimethylbenzene	7.675	105	365847M4	3.481	ppbV	
72) tert-butylbenzene	7.890	119	432915	4.577	ppbV	98
73) 1,2,4-trimethylbenzene	7.890	105	389629	4.387	ppbV	98
74) Benzyl Chloride	7.954	91	315932	4.111	ppbV	97
75) 1,3-dichlorobenzene	7.954	146	294359M6	2.560	ppbV	
76) 1,4-dichlorobenzene	7.994	146	292392M3	3.377	ppbV	
77) sec-butylbenzene	8.042	105	617213	4.332	ppbV	96
78) p-isopropyltoluene	8.138	119	549514	4.485	ppbV	98
79) 1,2-dichlorobenzene	8.177	146	284617	3.435	ppbV	93
80) n-butylbenzene	8.377	91	517711	4.346	ppbV	95
81) 1,2-dibromo-3-chloropr...	8.433	75	132012	4.188	ppbV #	79
82) 1,2,4-trichlorobenzene	9.179	180	277423	3.359	ppbV	94
83) naphthalene	9.232	128	733369	4.068	ppbV	98
84) 1,2,3-trichlorobenzene	9.390	180	321108	4.414	ppbV	94
85) hexachlorobutadiene	9.460	225	188445	3.317	ppbV	96

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267630.D
Acq On : 08 Jan 2026 12:23 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD5.0
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:16:49 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Sun Jan 04 08:51:03 2026
Response via : Initial Calibration

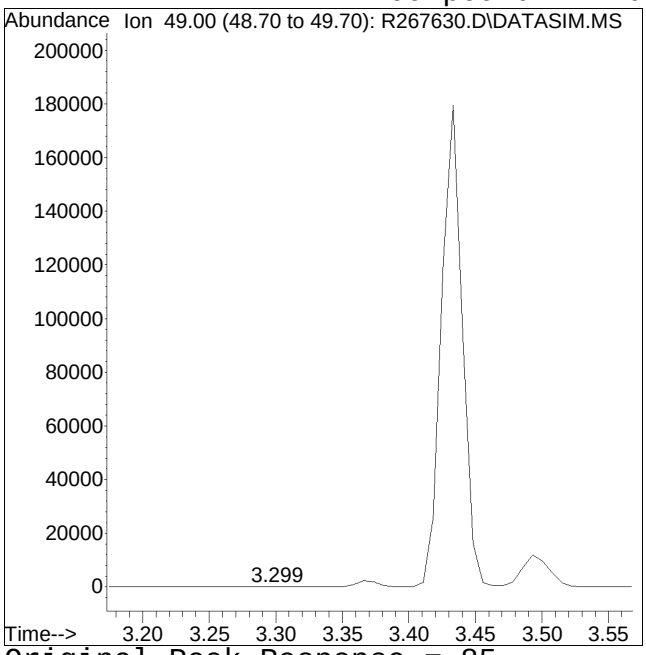


Manual Integration Report

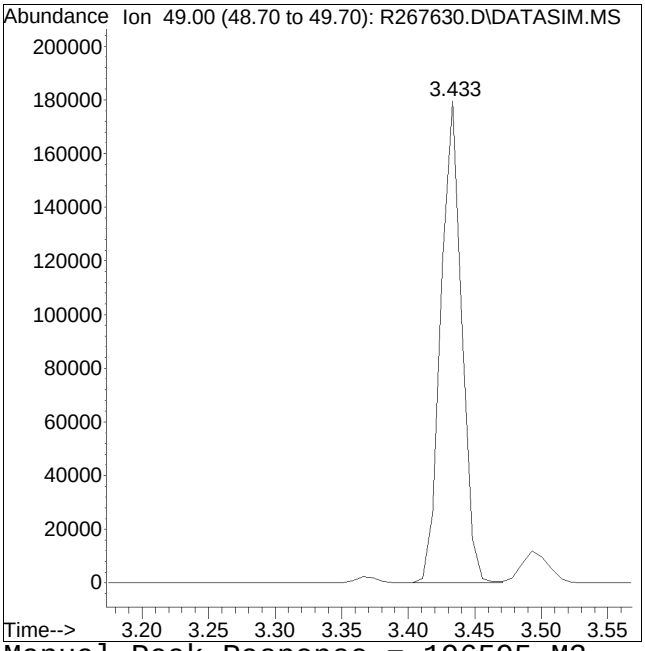
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267630.D
Date Inj'd : 1/8/2026 12:23 am
Sample : ITO15-LLSTD5.0

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:16 am

Compound #1: bromochloromethane



Original Peak Response = 85



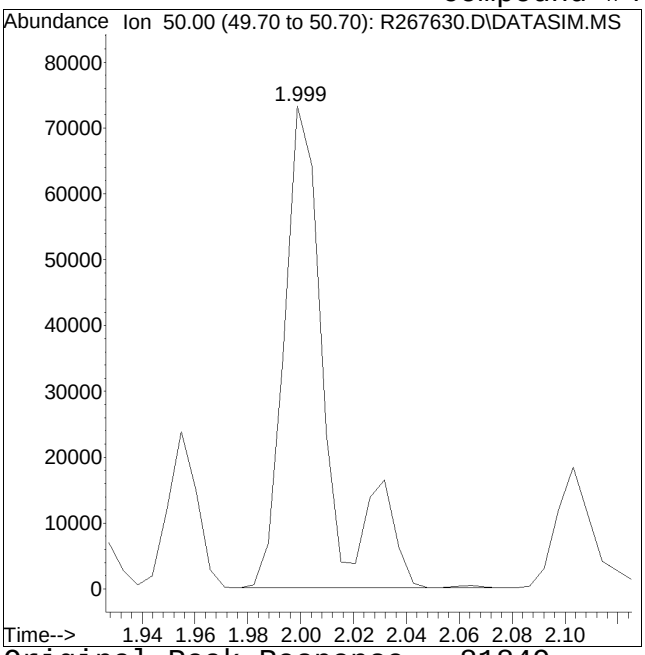
Manual Peak Response = 196595 M2

M2 = Peak not found by automatic integration algorithm.

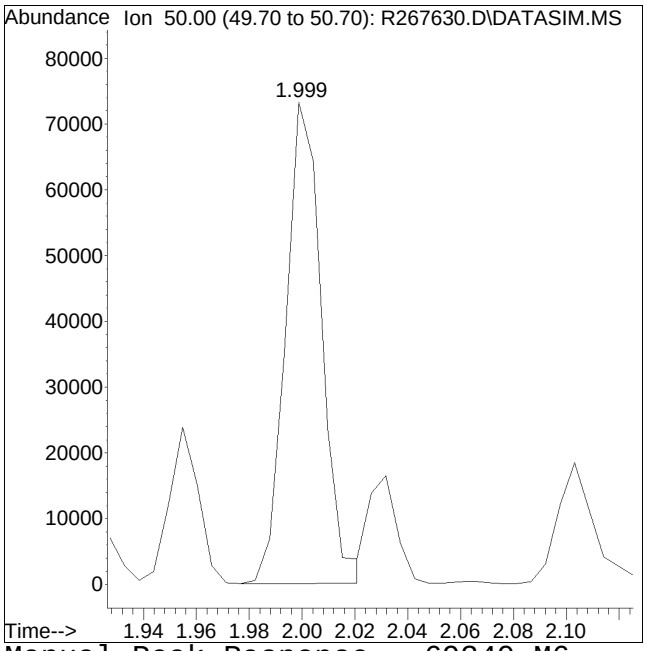
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #4: chloromethane



Original Peak Response = 81849



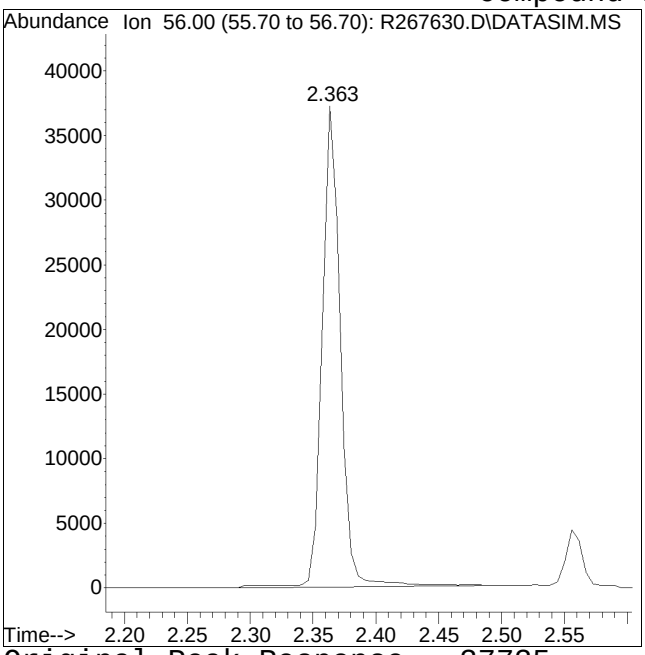
Manual Peak Response = 69340 M6

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

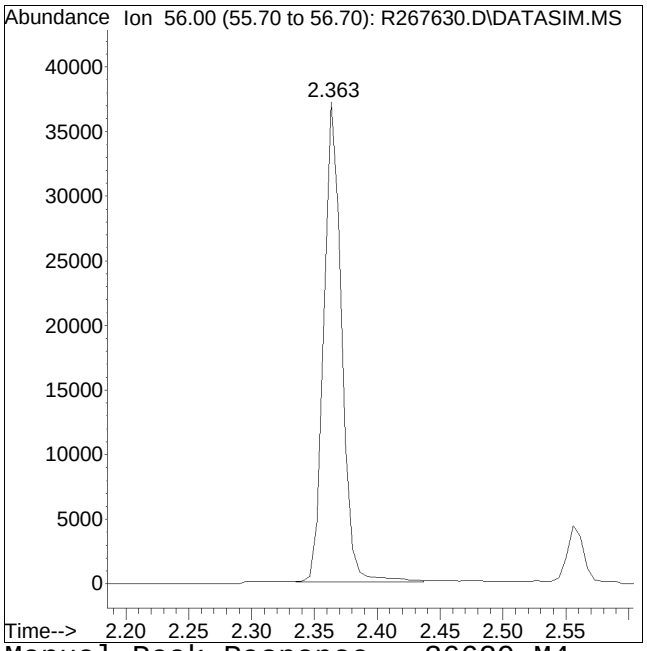
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #12: acrolein



Original Peak Response = 37735



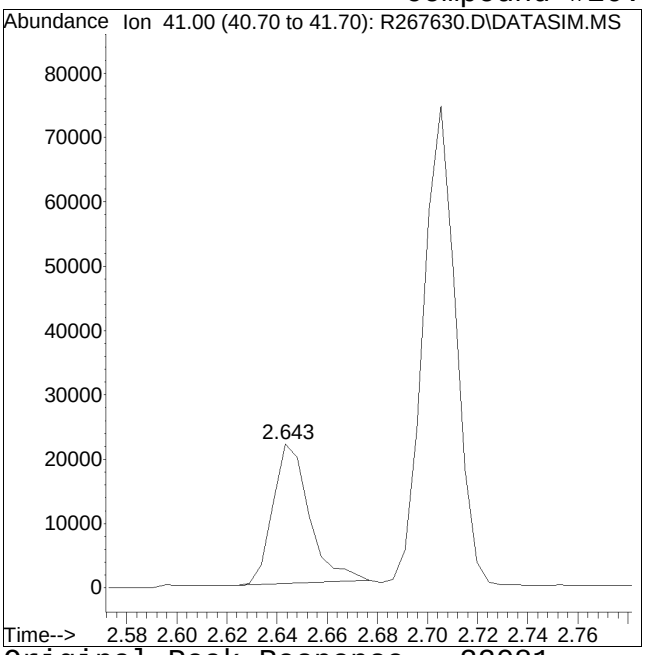
Manual Peak Response = 36620 M4

M4 = Poor automated baseline construction.

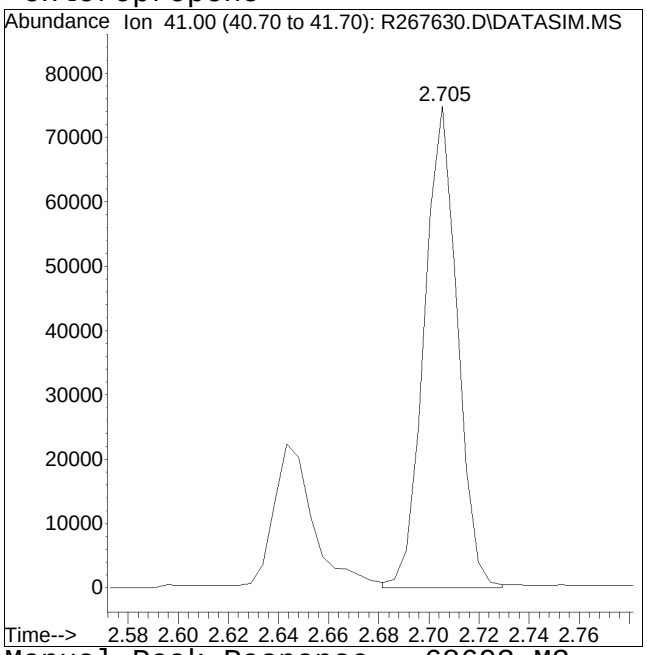
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #20: 3-chloropropene



Original Peak Response = 22081



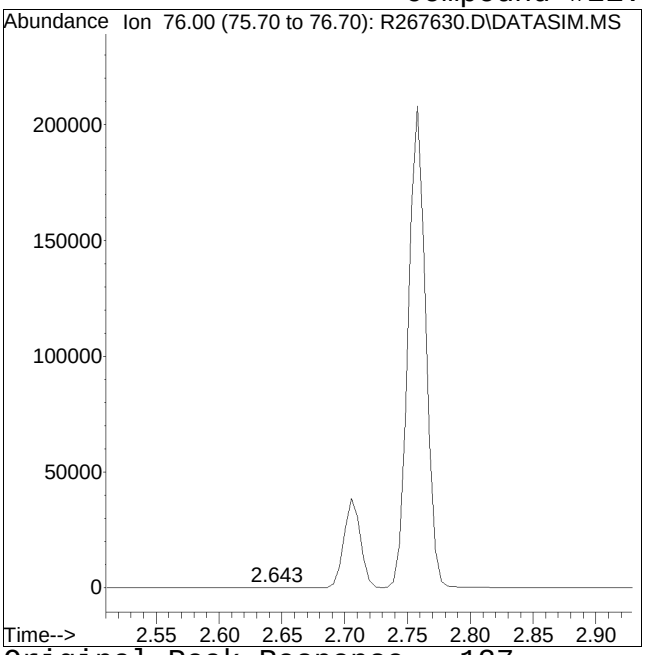
Manual Peak Response = 68693 M3

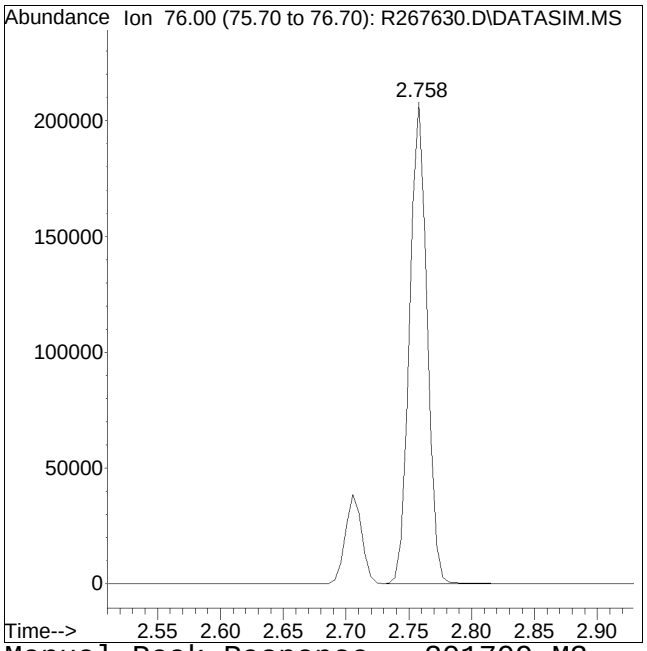
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #21: carbon disulfide





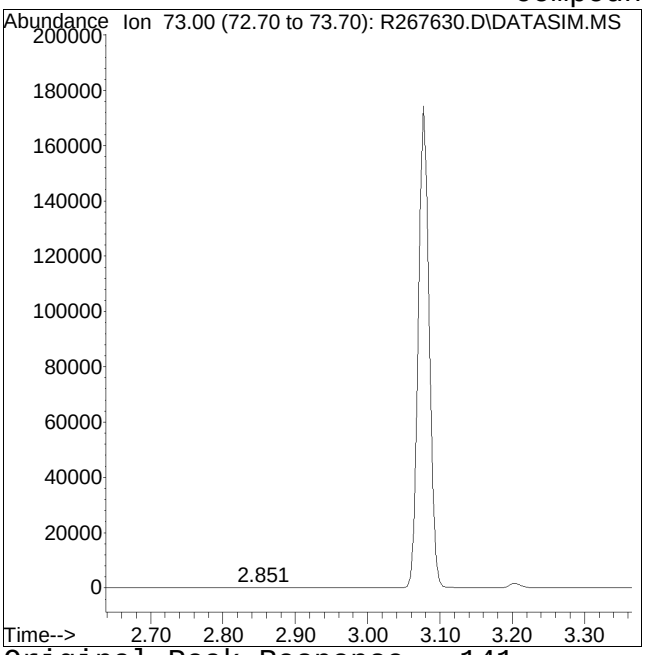
Original Peak Response = 127 Manual Peak Response = 201709 M3

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.

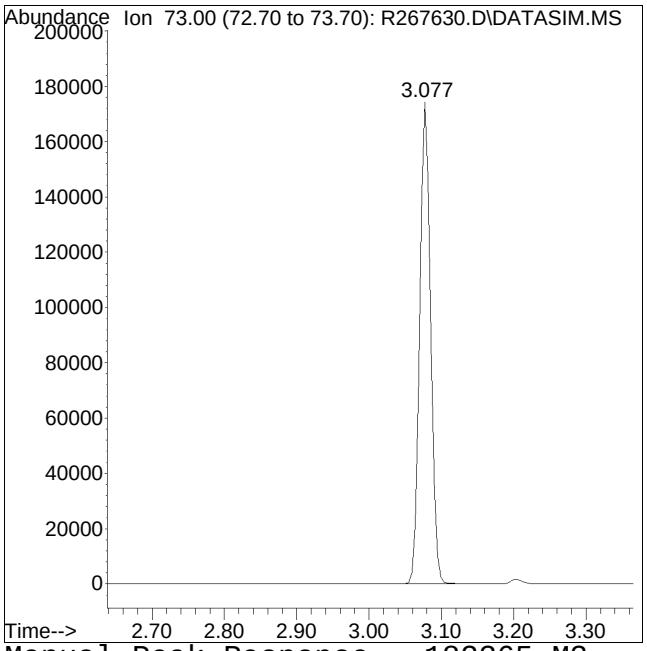
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #25: MTBE



Original Peak Response = 141



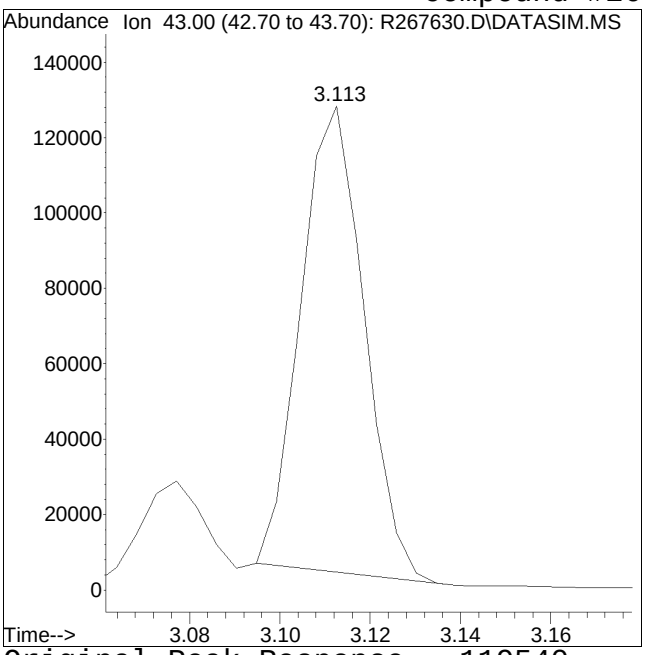
Manual Peak Response = 182365 M3

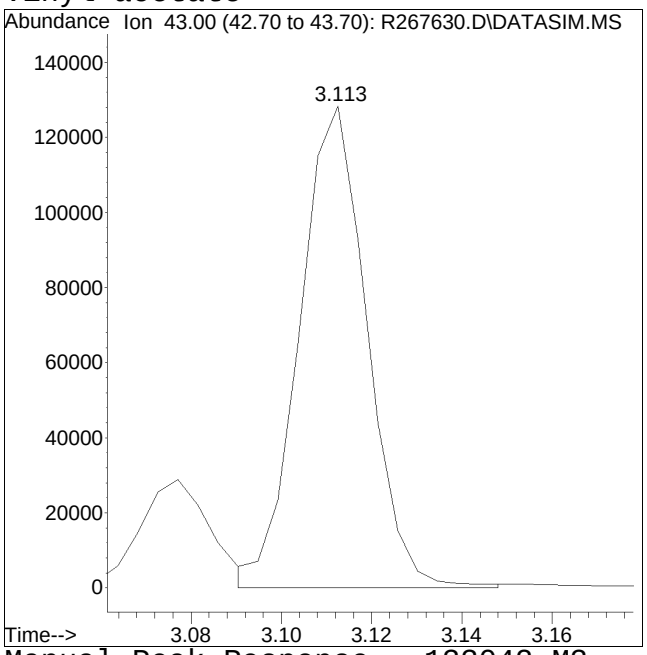
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #26: vinyl acetate





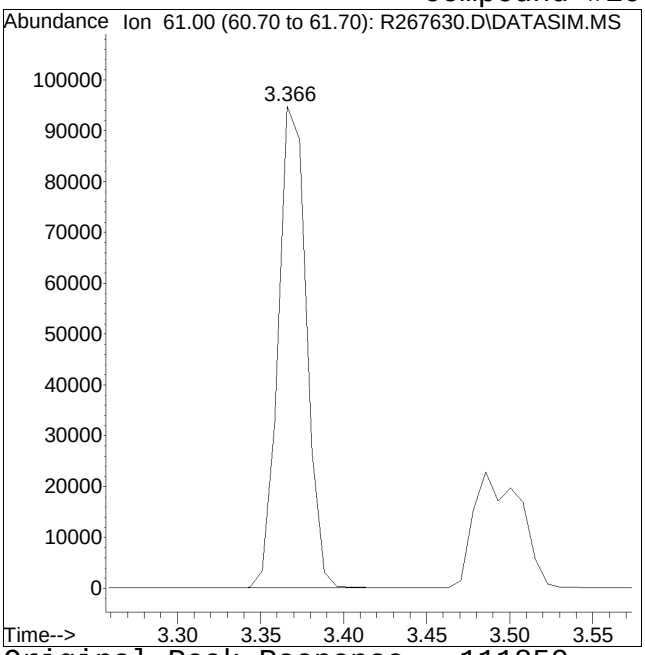
Original Peak Response = 119540 Manual Peak Response = 133042 M3

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.

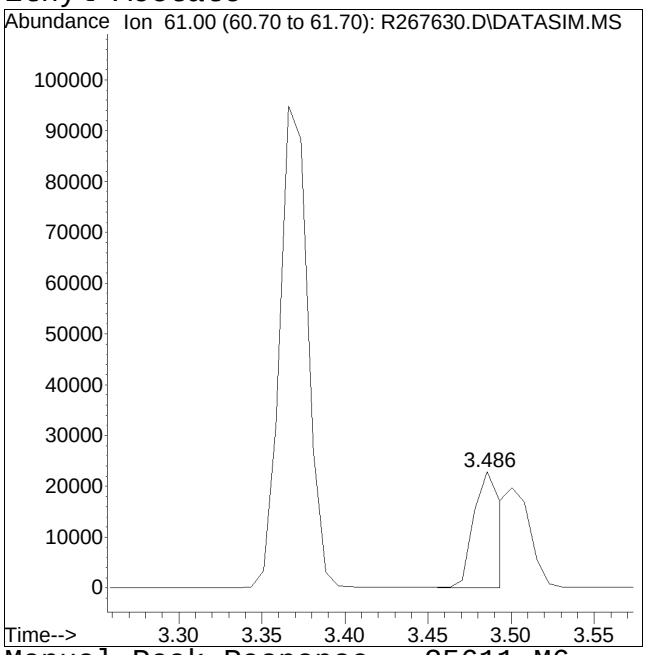
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #29: Ethyl Acetate



Original Peak Response = 111850



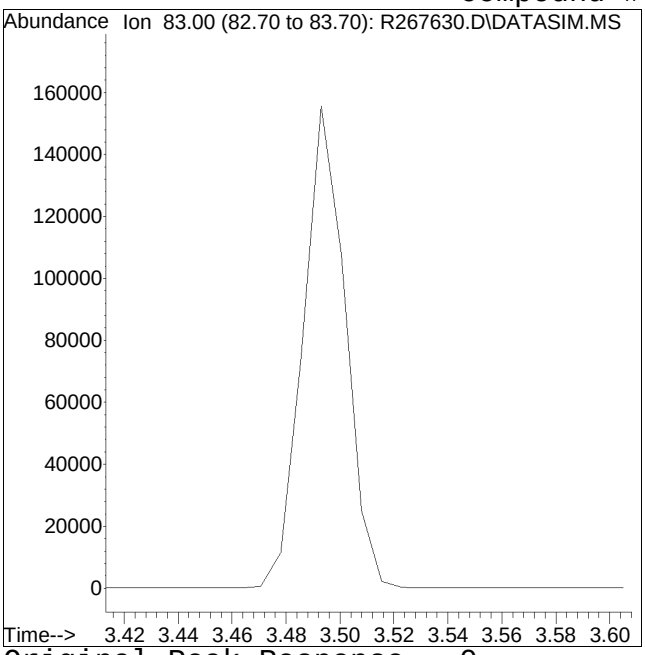
Manual Peak Response = 25611 M6

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

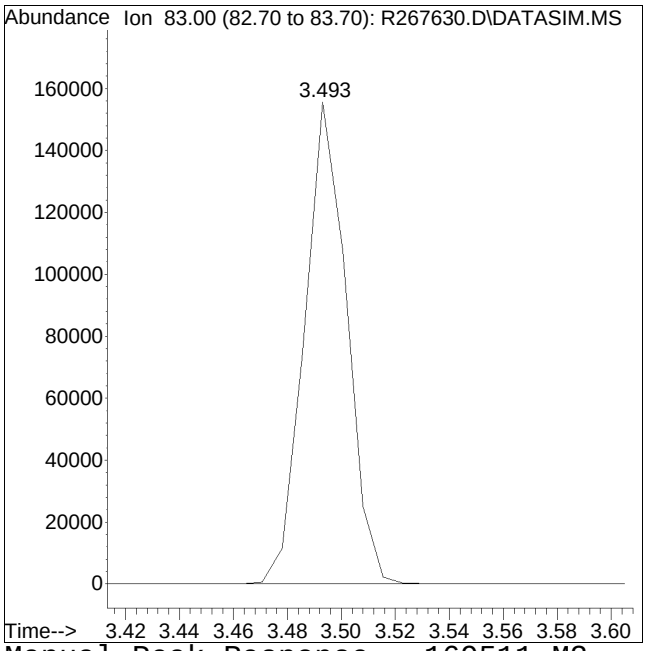
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #30: chloroform



Original Peak Response = 0



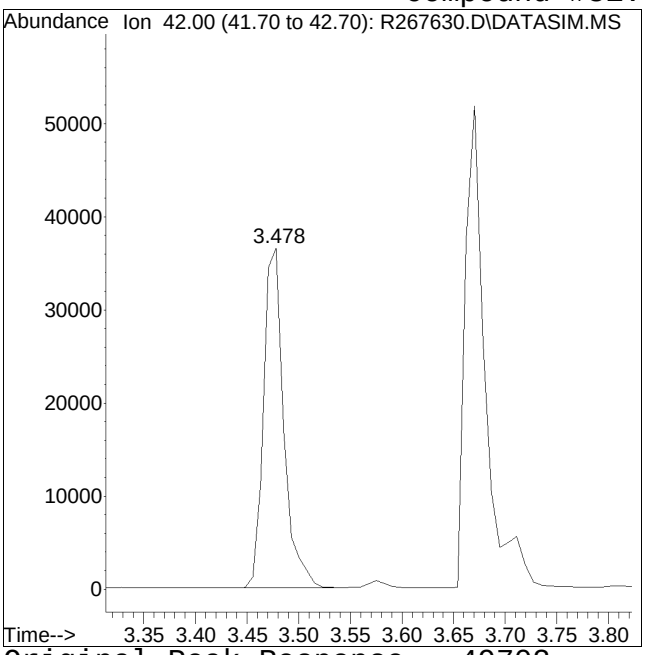
Manual Peak Response = 169511 M2

M2 = Peak not found by automatic integration algorithm.

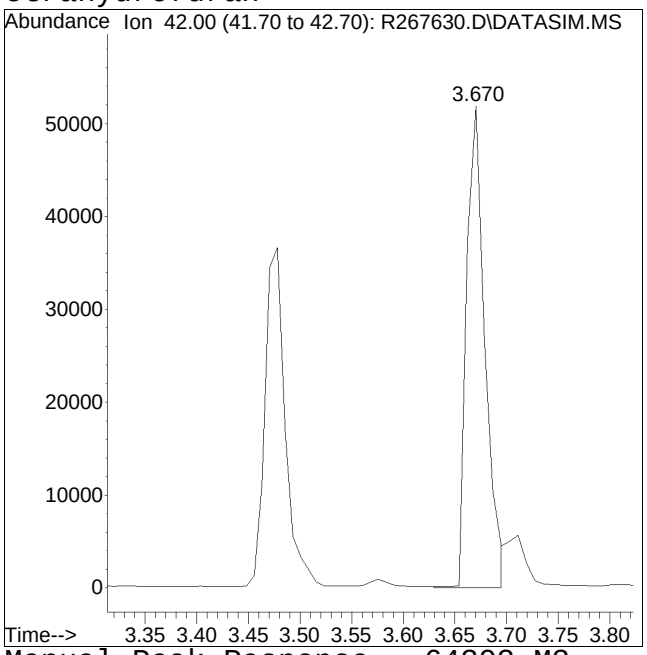
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #31: Tetrahydrofuran



Original Peak Response = 49702



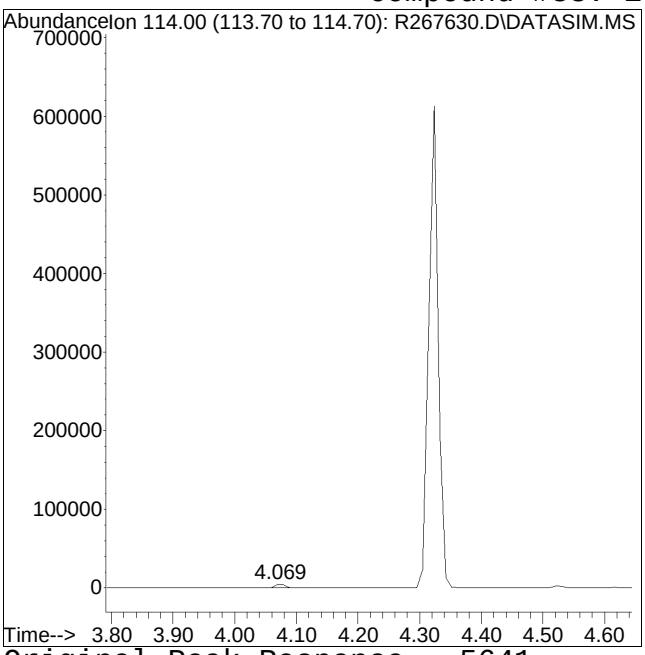
Manual Peak Response = 64393 M3

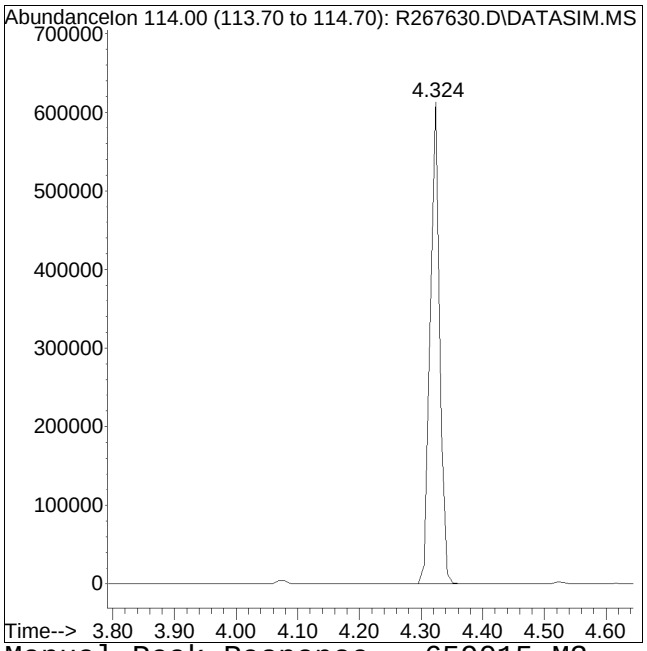
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #33: 1,4-difluorobenzene





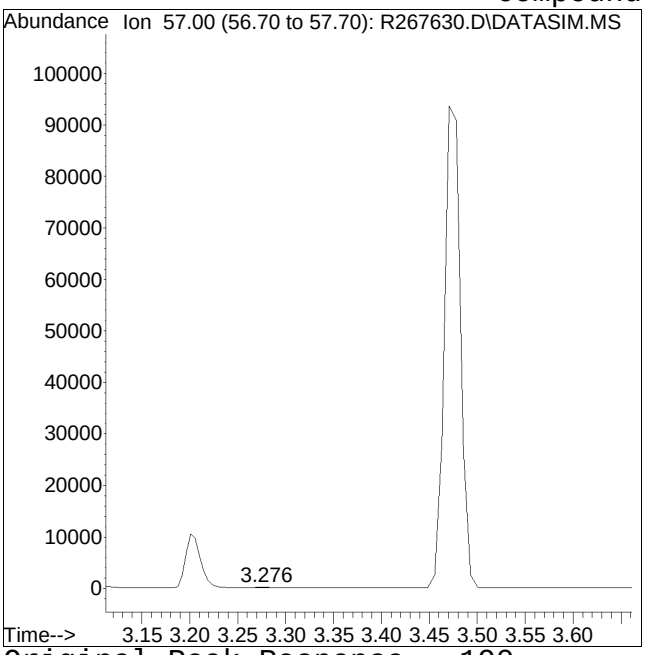
Original Peak Response = 5641 Manual Peak Response = 659015 M3

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.

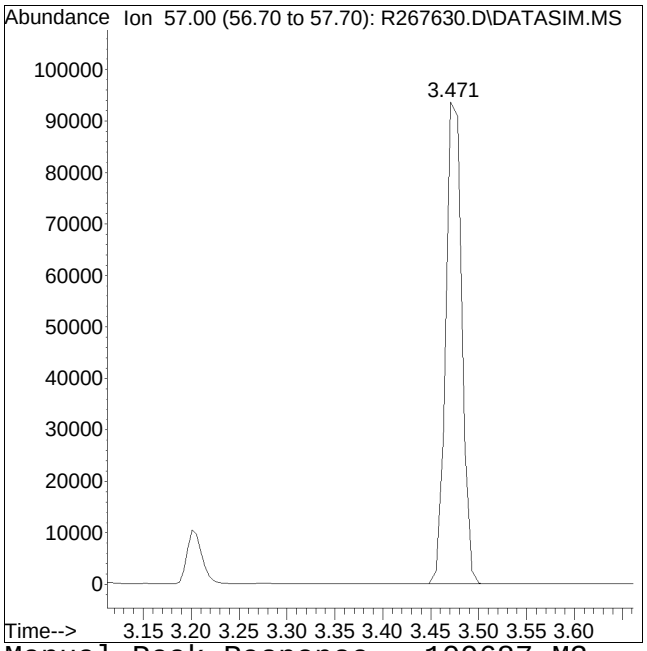
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #34: hexane



Original Peak Response = 190



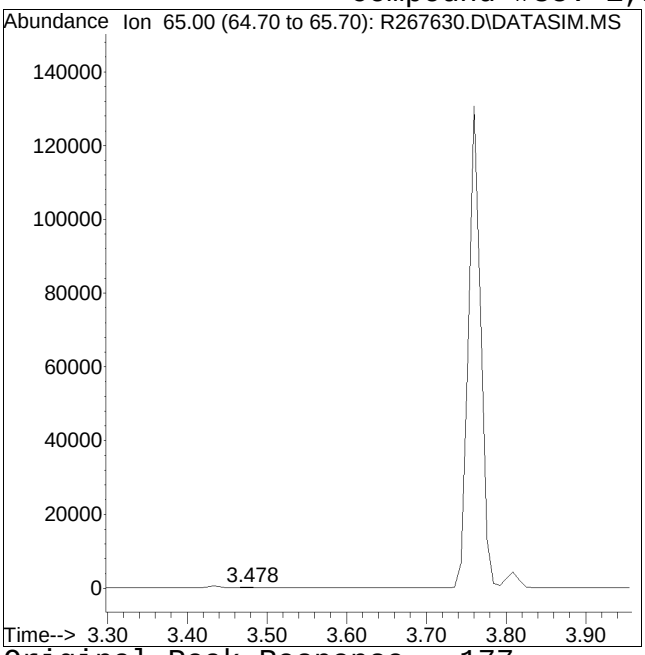
Manual Peak Response = 109687 M3

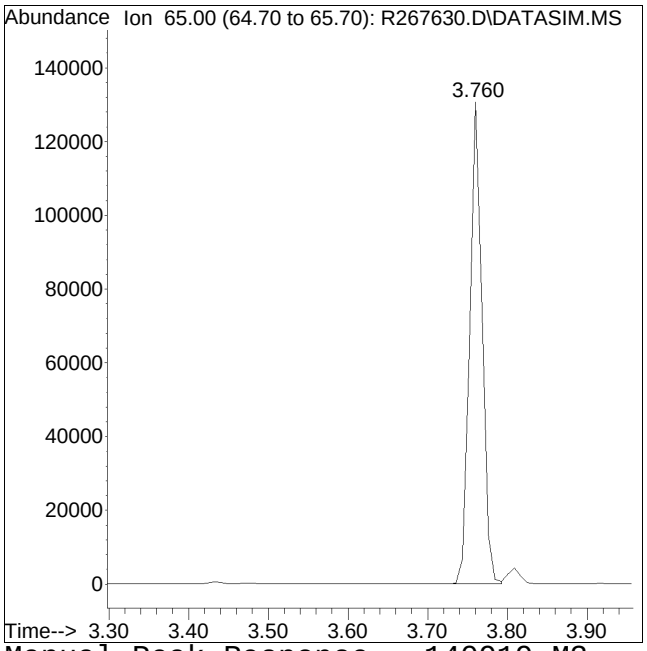
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #35: 1,2-dichloroethane-D4





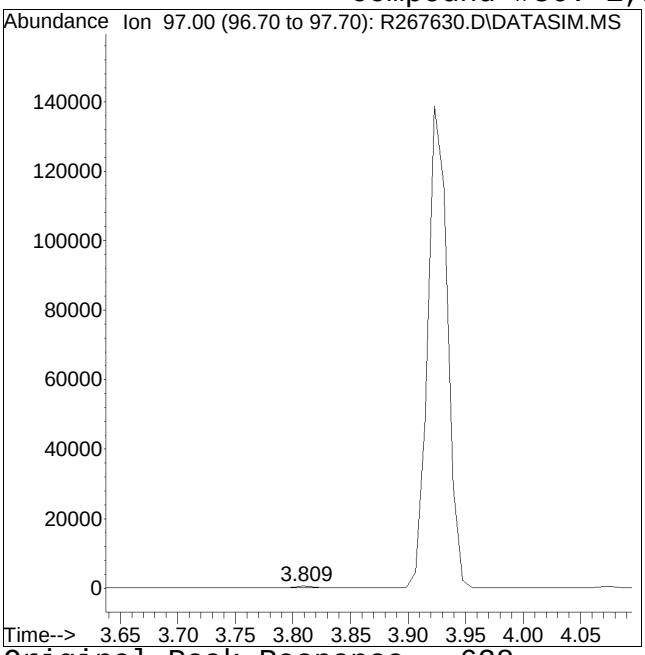
Original Peak Response = 177 Manual Peak Response = 140919 M3

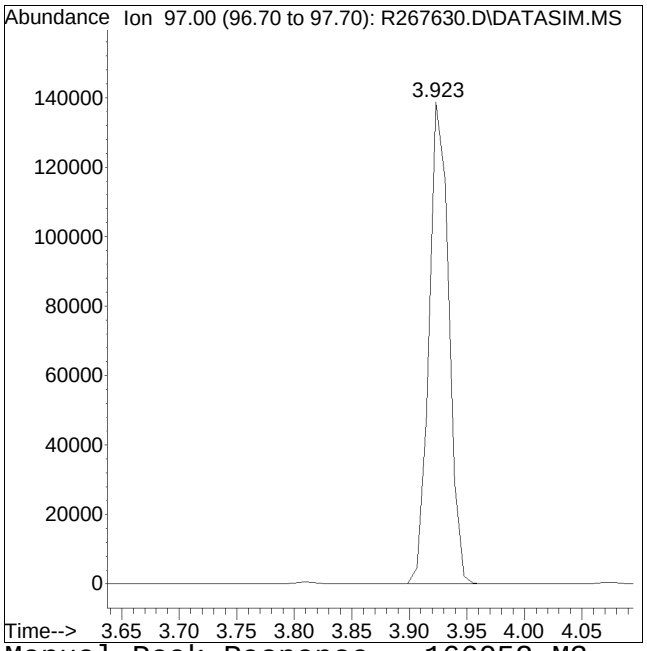
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #36: 1,1,1-trichloroethane





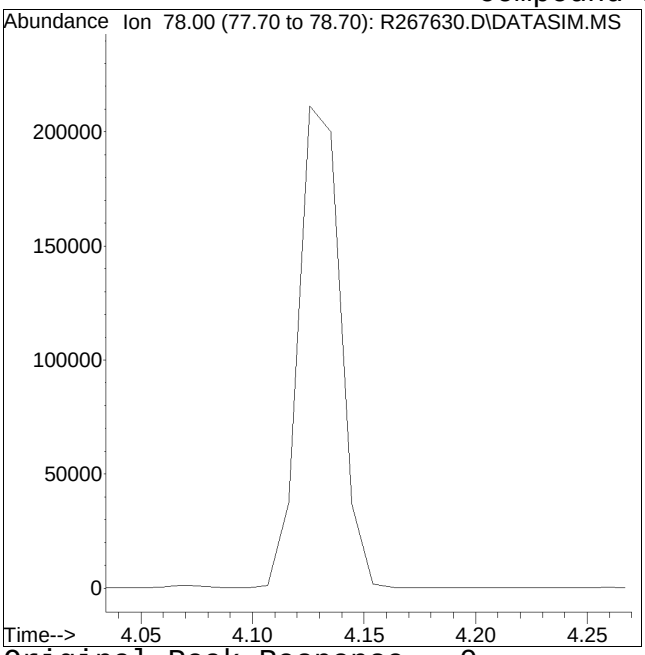
Original Peak Response = 628 Manual Peak Response = 166052 M3

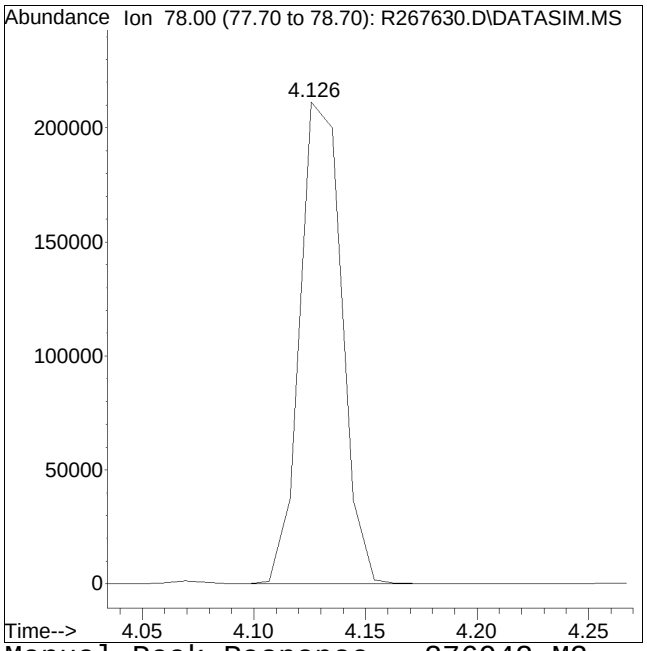
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #37: benzene



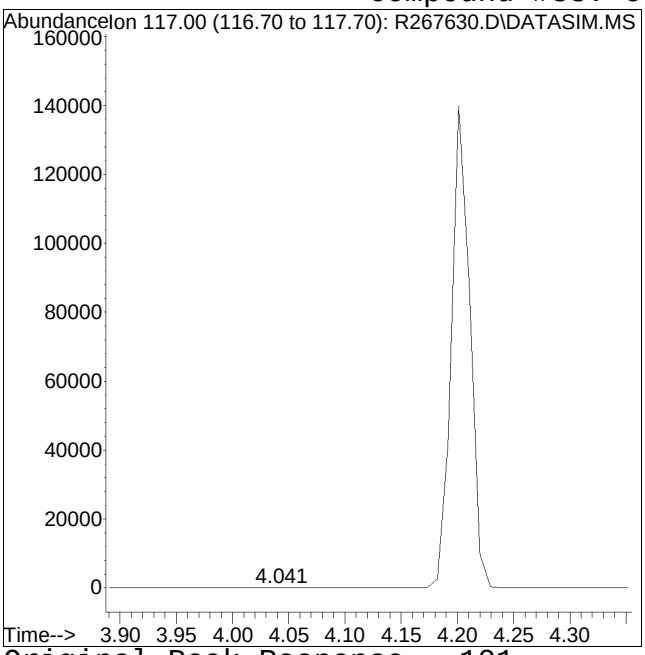


Original Peak Response = 0 Manual Peak Response = 276942 M2
M2 = Peak not found by automatic integration algorithm.

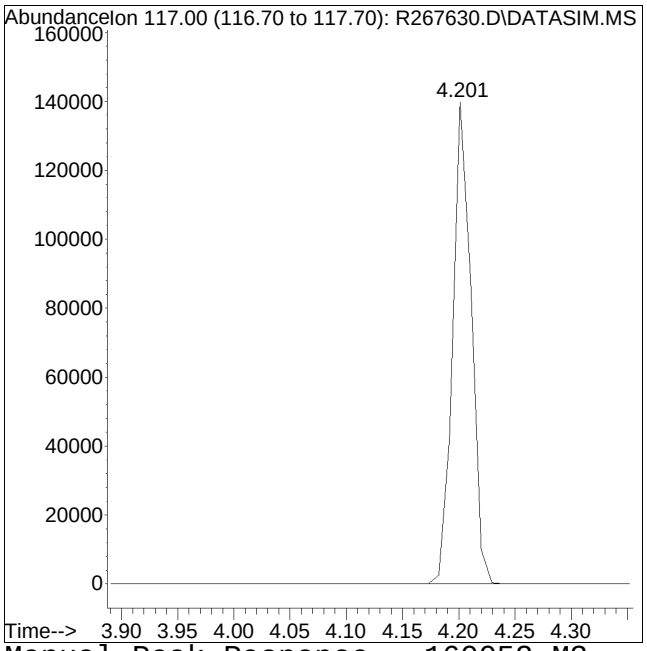
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #38: carbon tetrachloride



Original Peak Response = 101



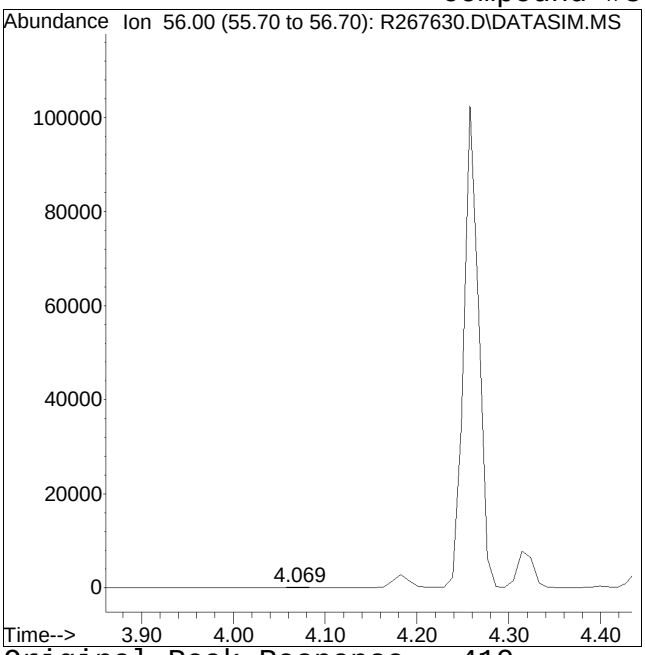
Manual Peak Response = 160052 M3

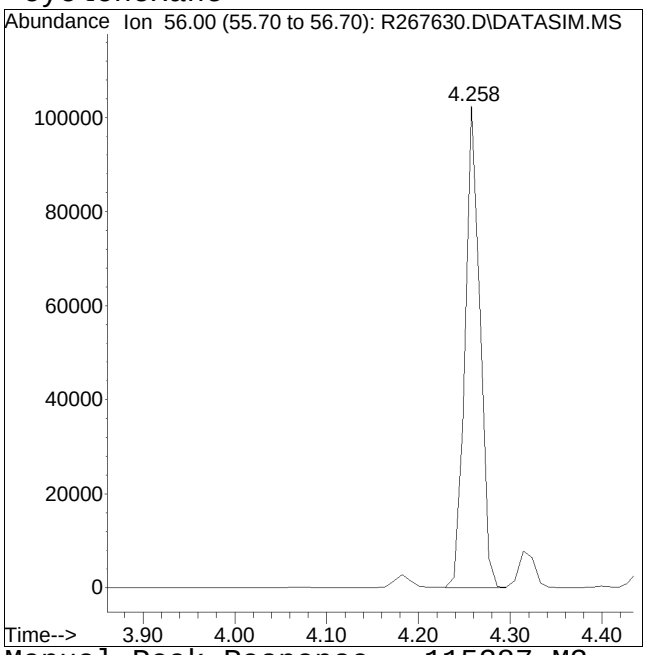
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #39: cyclohexane





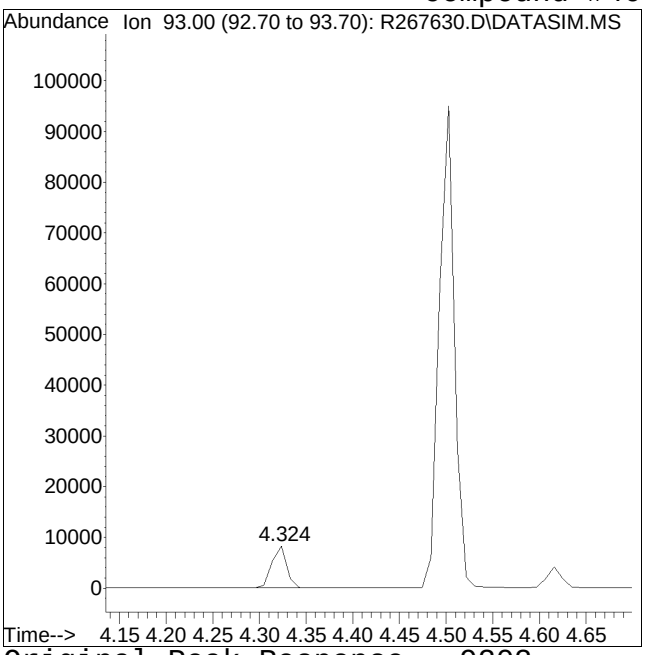
Original Peak Response = 410 Manual Peak Response = 115387 M3

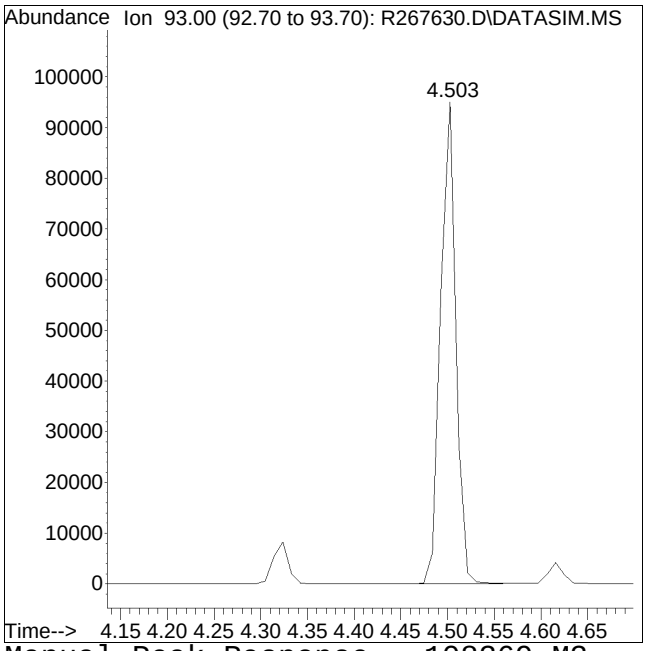
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #40: Dibromomethane





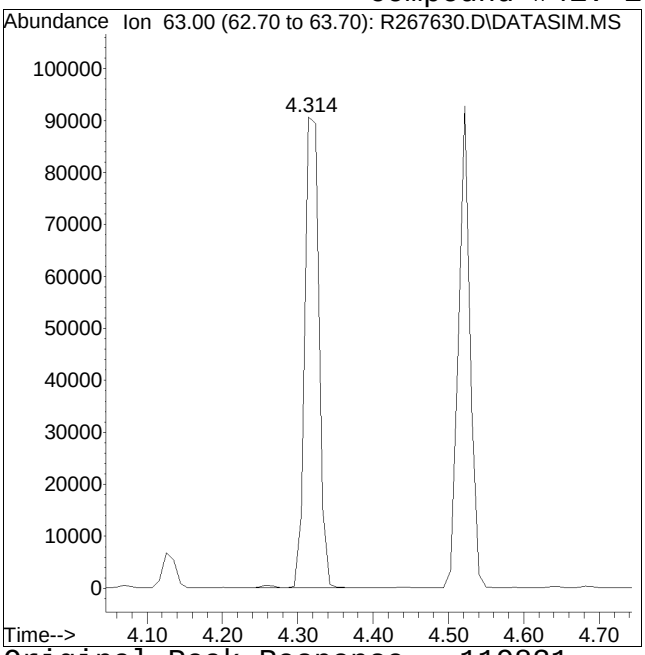
Original Peak Response = 9202 Manual Peak Response = 108369 M3

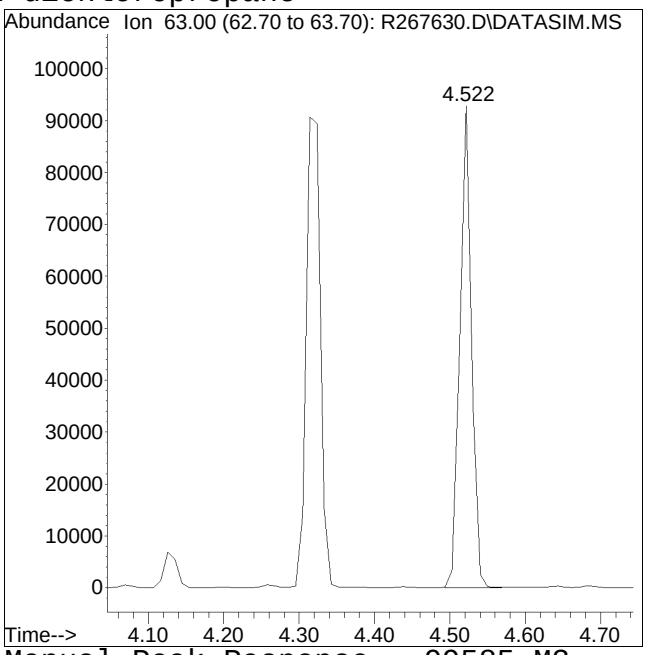
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #41: 1,2-dichloropropane





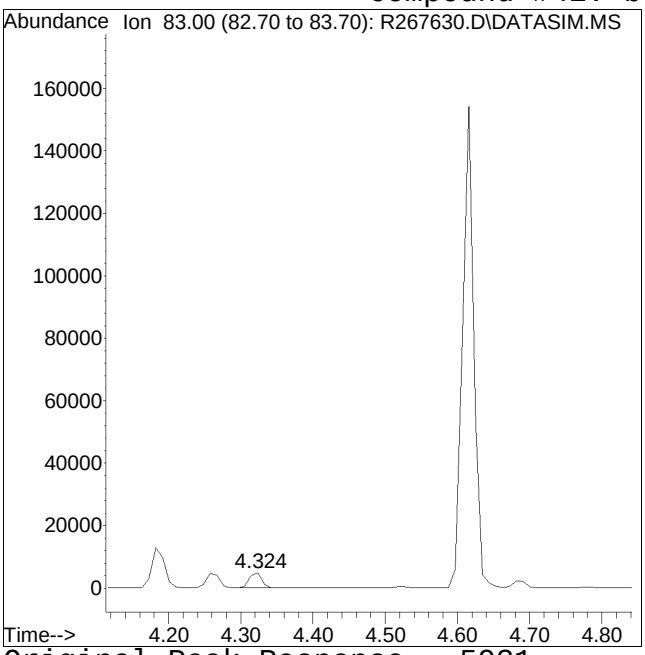
Original Peak Response = 119831 Manual Peak Response = 99585 M3

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.

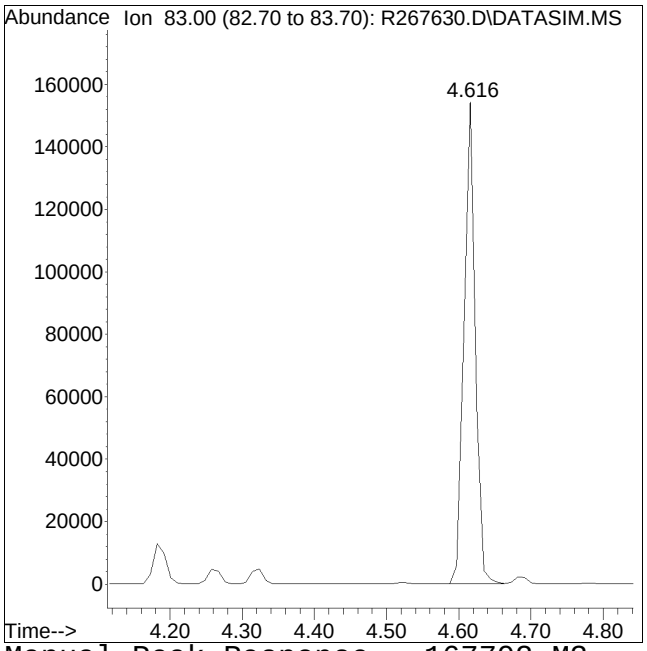
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #42: bromodichloromethane



Original Peak Response = 5931



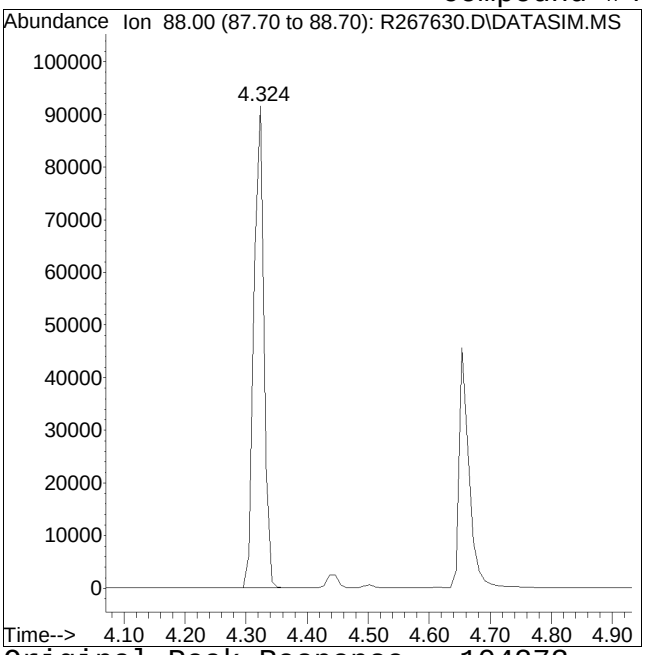
Manual Peak Response = 167702 M3

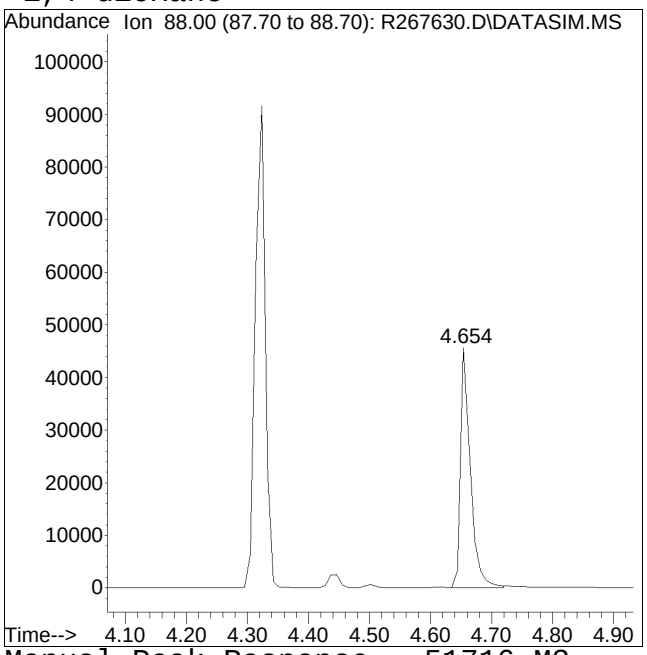
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #43: 1,4-dioxane



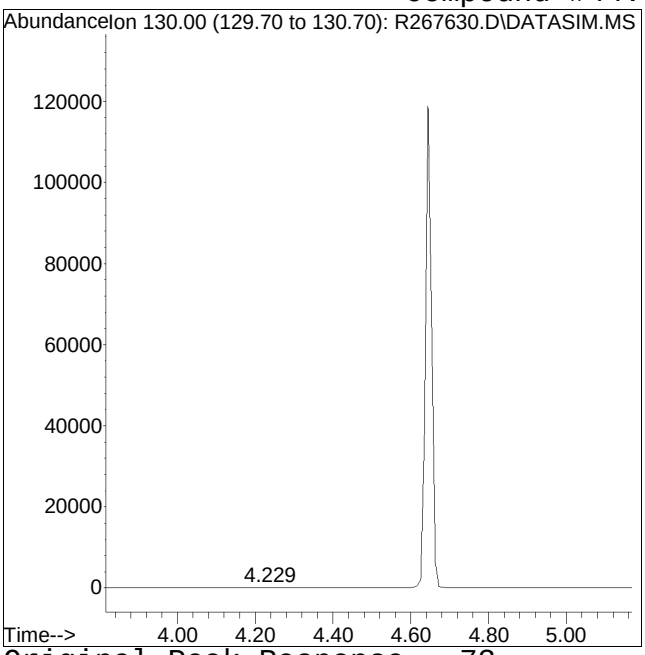


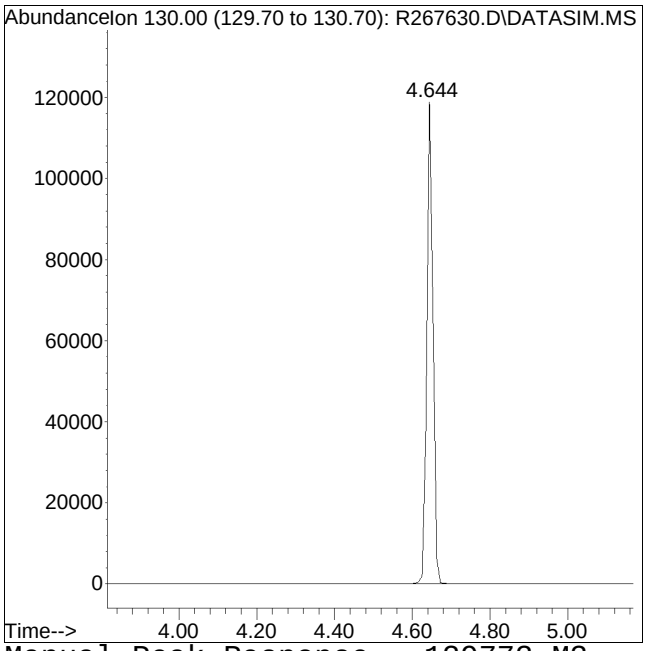
Original Peak Response = 104273 Manual Peak Response = 51716 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #44: trichloroethene



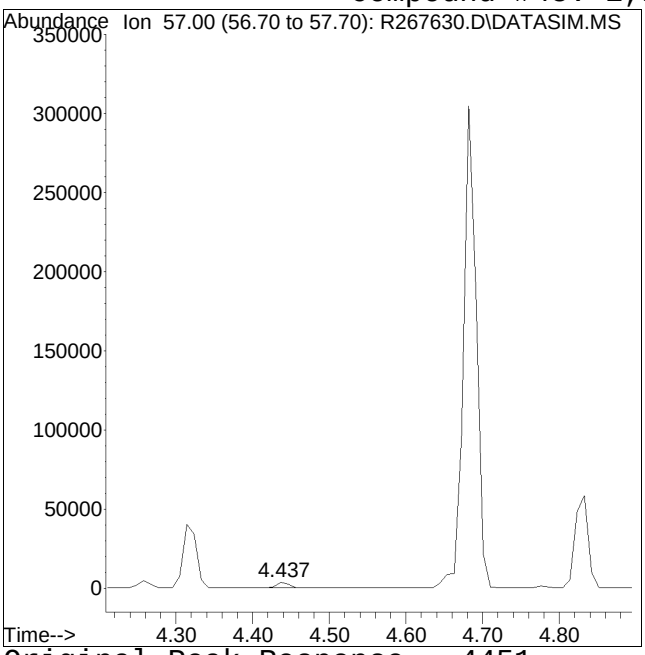


Original Peak Response = 73 Manual Peak Response = 129773 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

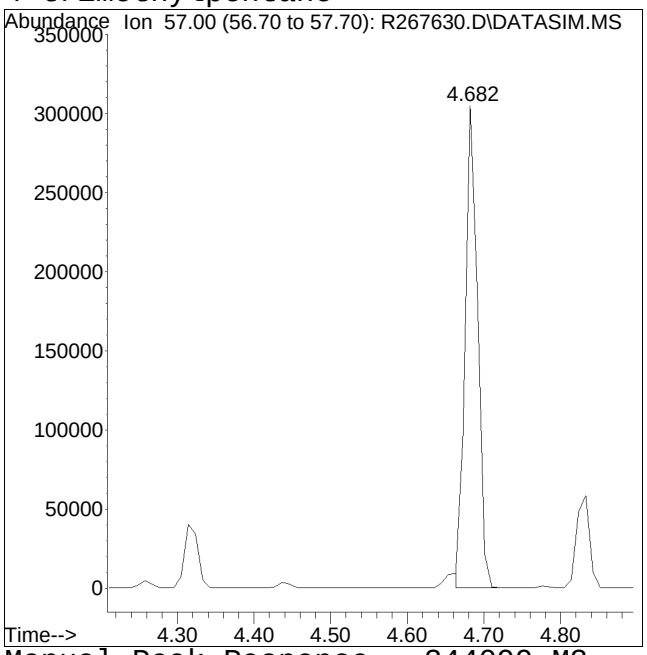
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #45: 2,2,4-trimethylpentane



Original Peak Response = 4451



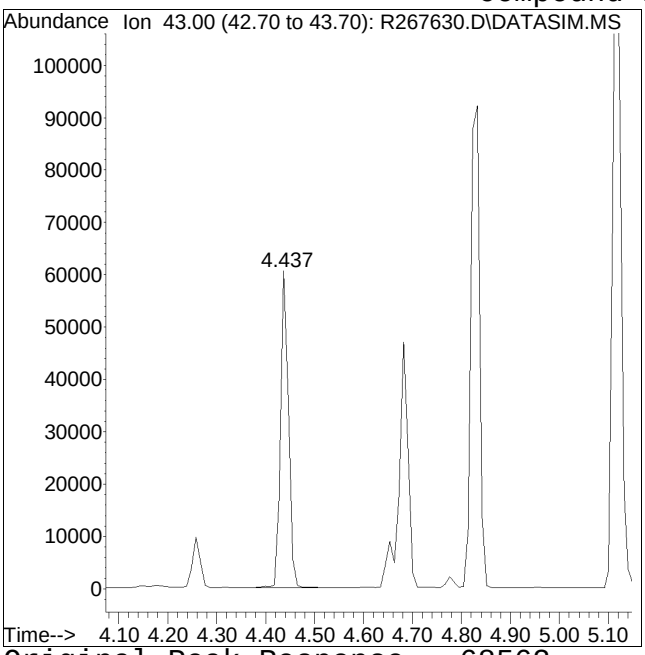
Manual Peak Response = 344099 M3

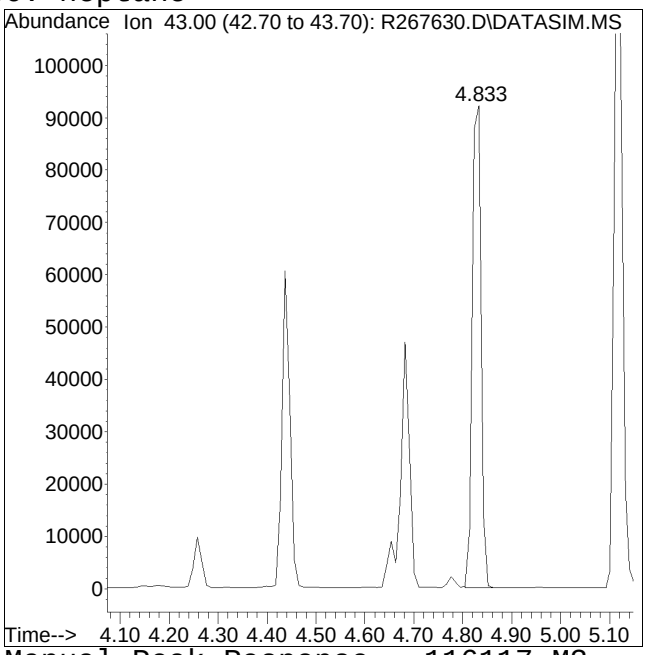
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #46: heptane





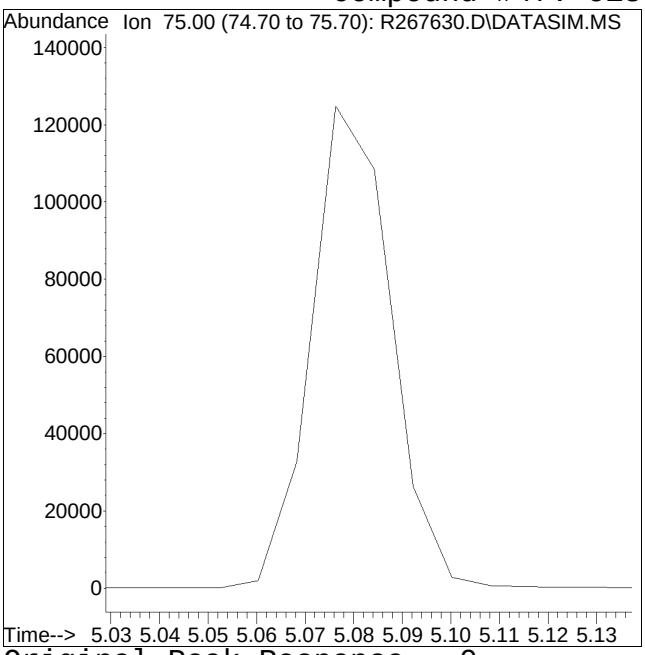
Original Peak Response = 68562 Manual Peak Response = 116117 M3

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.

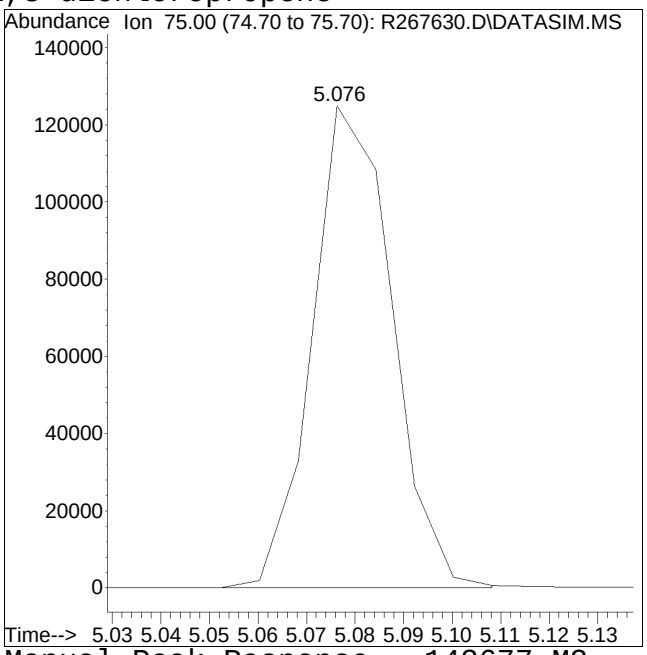
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #47: cis-1,3-dichloropropene



Original Peak Response = 0



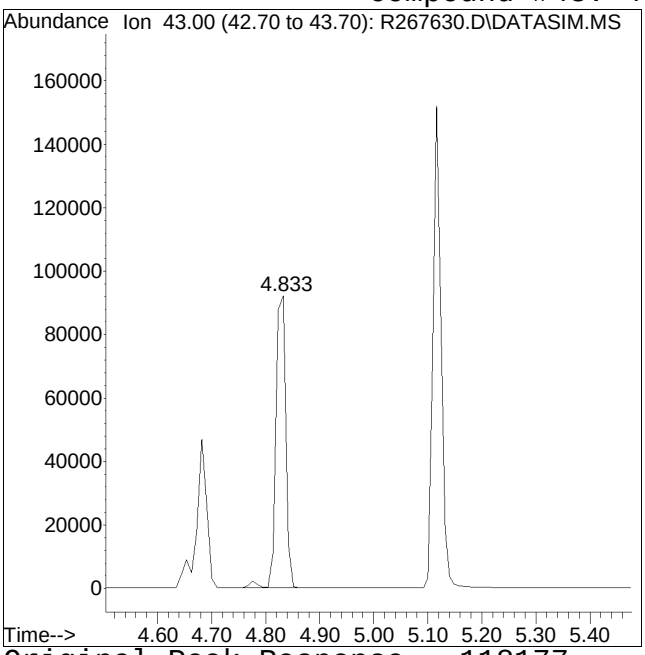
Manual Peak Response = 142677 M2

M2 = Peak not found by automatic integration algorithm.

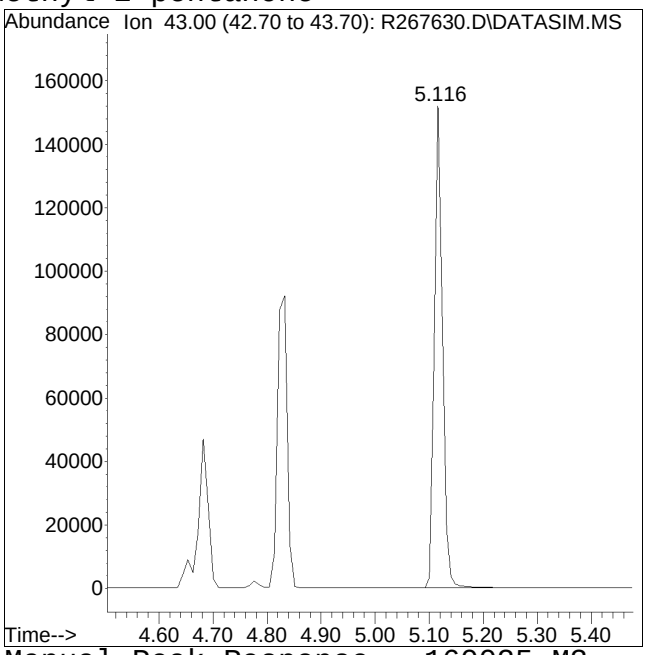
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 118177



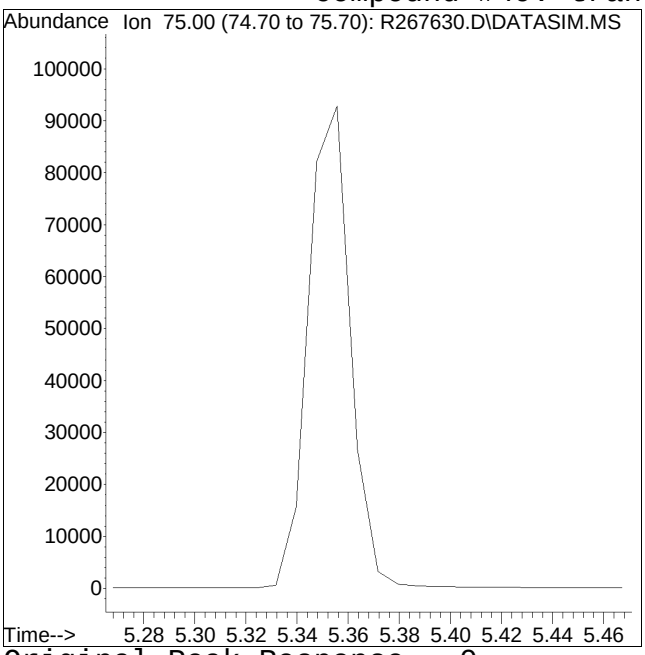
Manual Peak Response = 160025 M3

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.

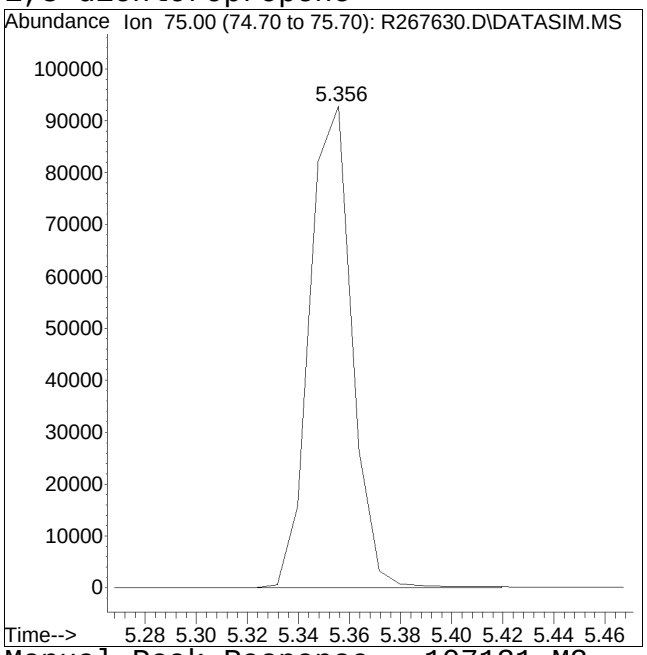
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #49: trans-1,3-dichloropropene



Original Peak Response = 0



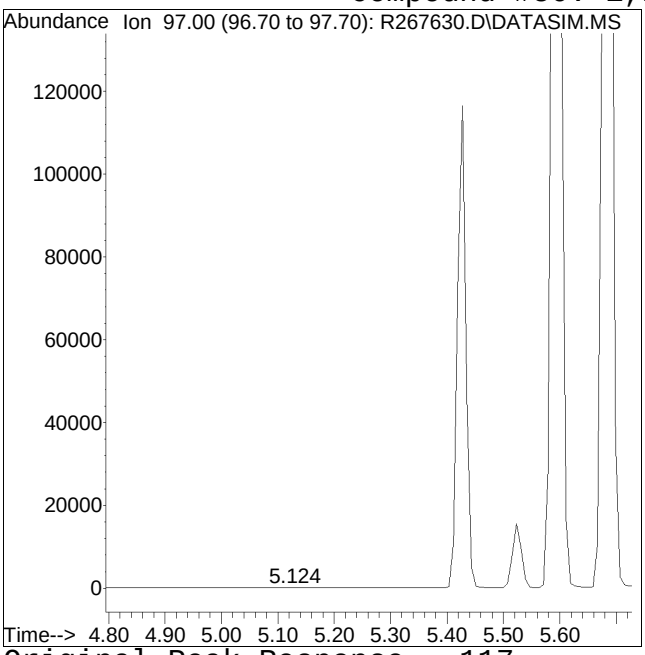
Manual Peak Response = 107131 M2

M2 = Peak not found by automatic integration algorithm.

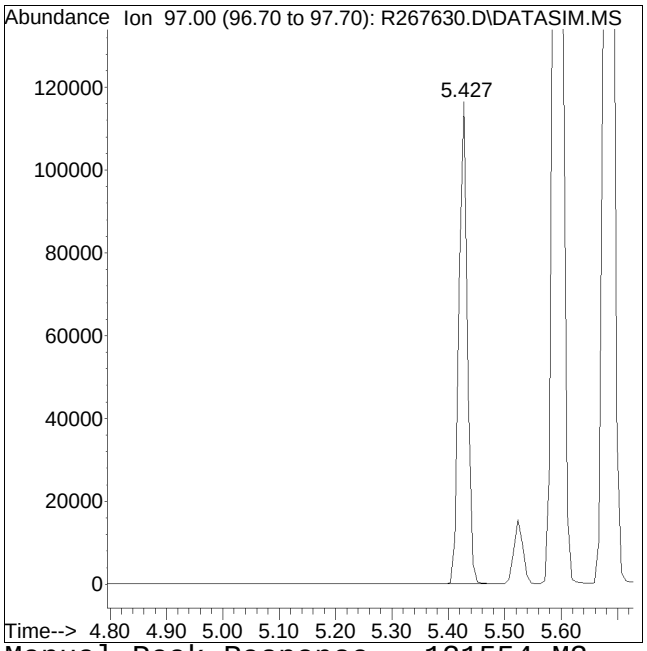
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #50: 1,1,2-trichloroethane



Original Peak Response = 117



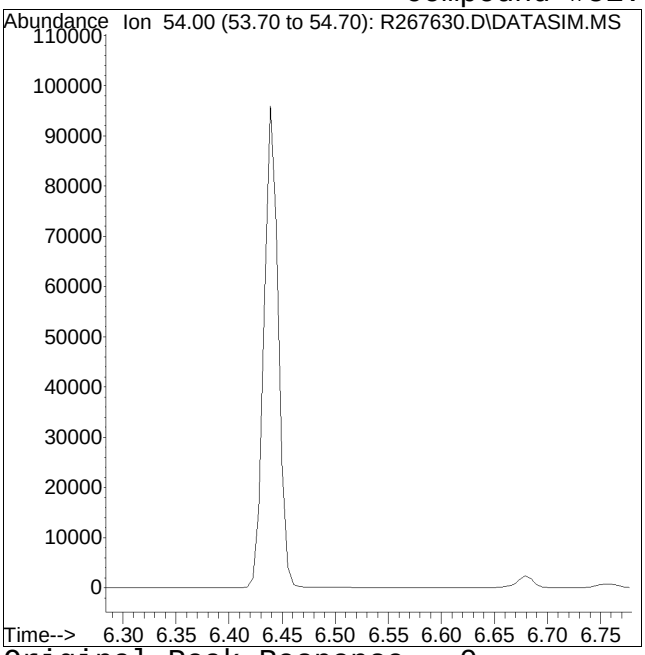
Manual Peak Response = 121554 M3

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.

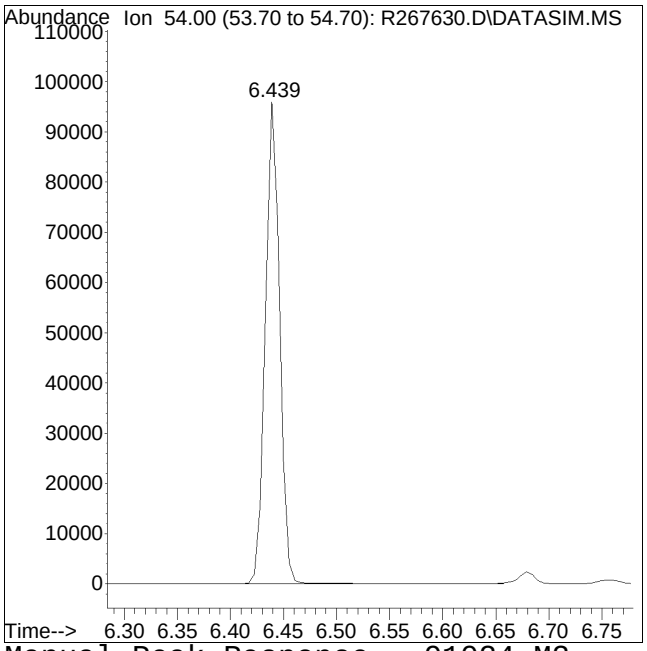
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #51: chlorobenzene-D5



Original Peak Response = 0



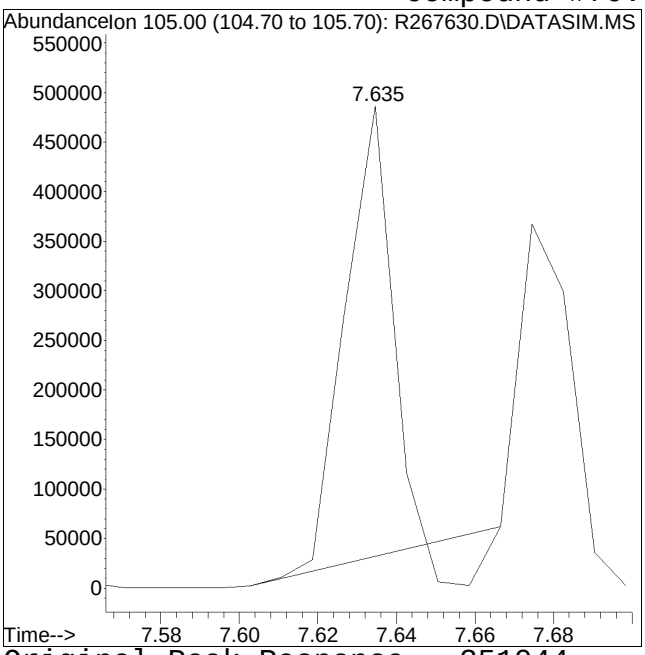
Manual Peak Response = 91024 M2

M2 = Peak not found by automatic integration algorithm.

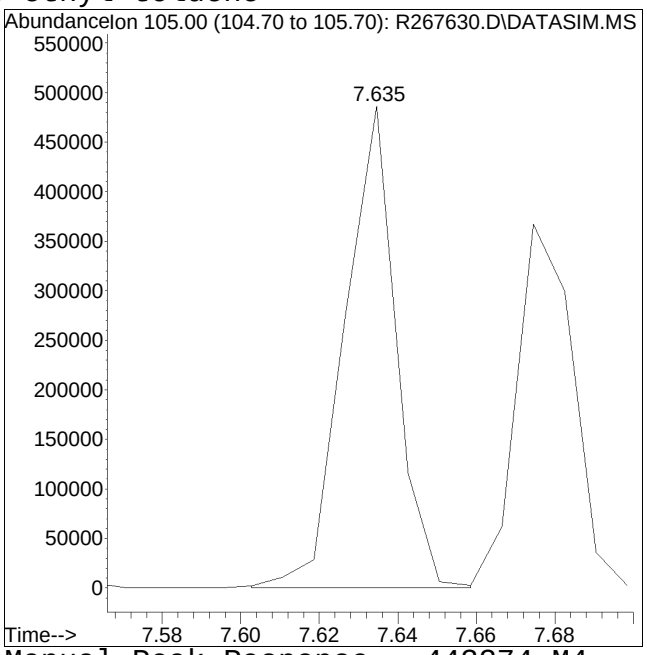
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #70: 4-ethyl toluene



Original Peak Response = 351044



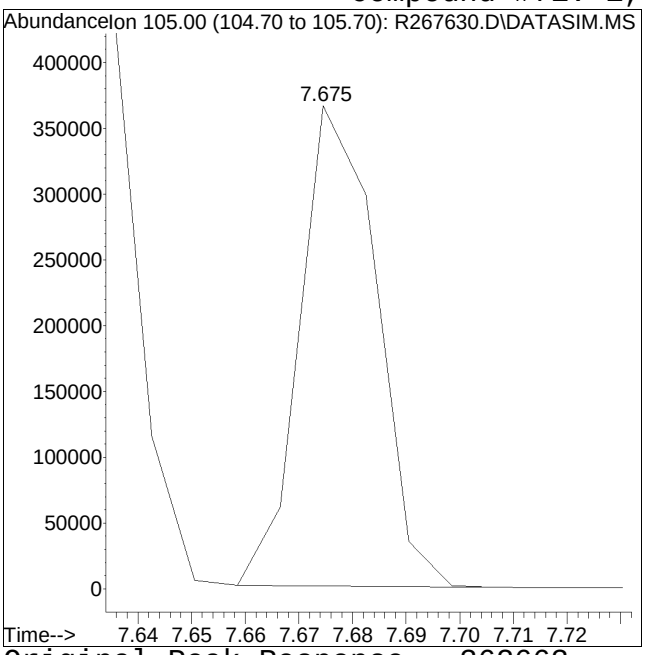
Manual Peak Response = 443374 M4

M4 = Poor automated baseline construction.

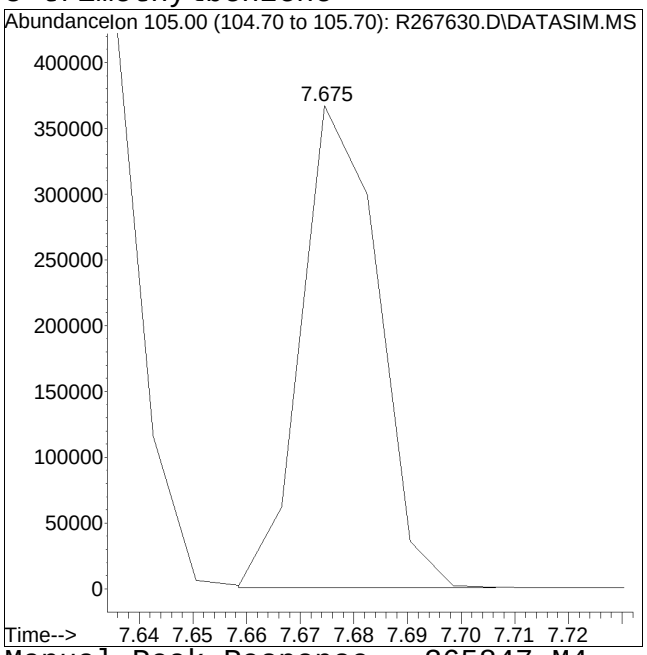
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 362663



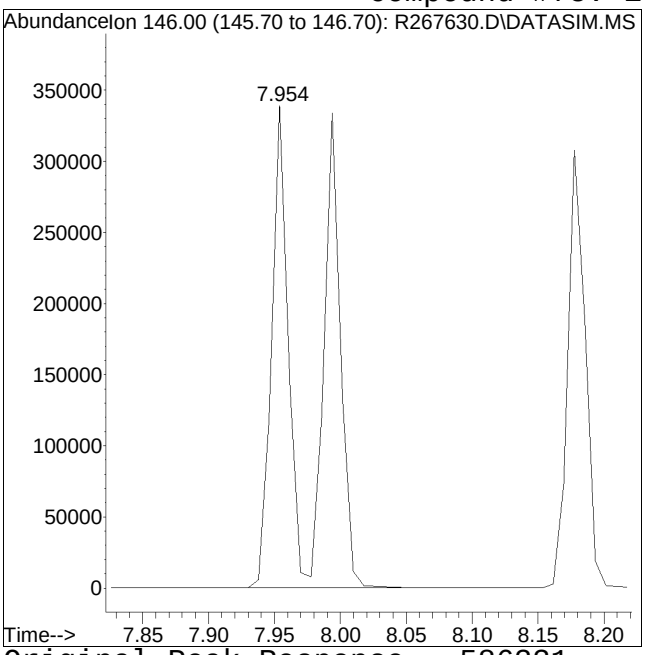
Manual Peak Response = 365847 M4

M4 = Poor automated baseline construction.

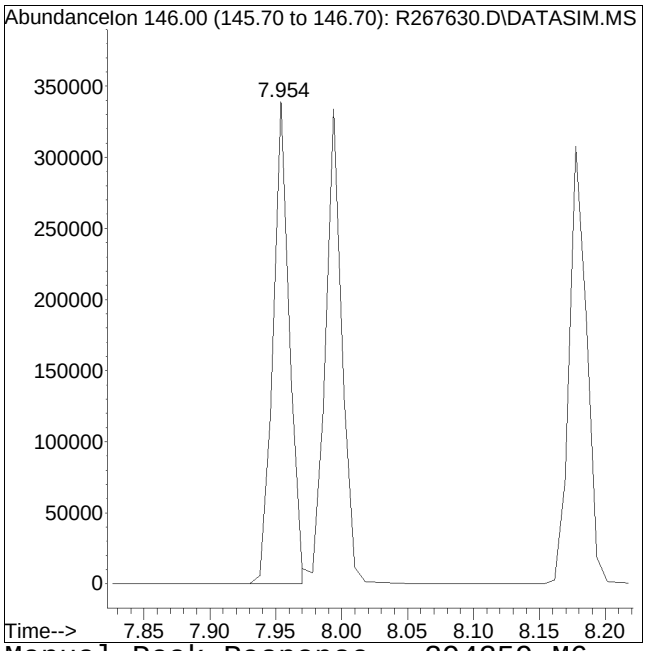
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 586331



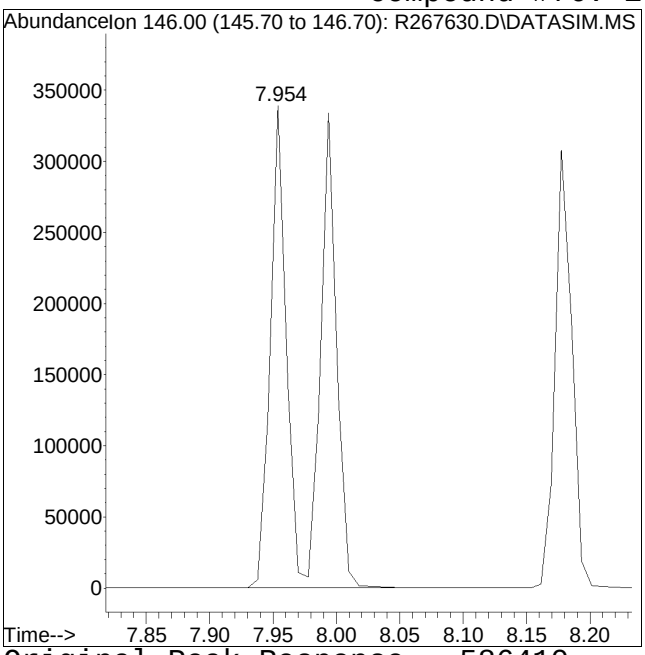
Manual Peak Response = 294359 M6

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

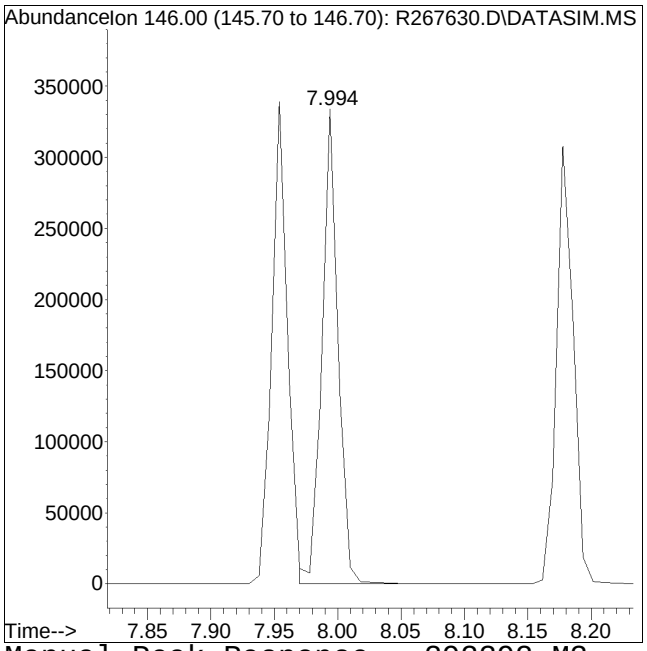
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267630.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:23 am Instrument : Airlab26
Sample : ITO15-LLSTD5.0 Quant Date : 1/8/2026 6:16 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 586410



Manual Peak Response = 292392 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\Airlab26\2026\01\0107SIM_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:25:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	192369	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 97.85%			
33) 1,4-difluorobenzene	4.324	114	641915	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 97.41%			
51) chlorobenzene-D5	6.439	54	87471	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 96.10%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	147935	10.778	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.78%			
53) toluene-D8	5.515	98	518414	10.195	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.95%			
67) bromofluorobenzene	7.207	95	312148	10.127	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.27%			
Target Compounds						Qvalue
2) propylene	1.933	41	118624	9.721	ppbV	100
3) dichlorodifluoromethane	1.955	85	379910	9.637	ppbV	100
4) chloromethane	1.999	50	129726M6	8.099	ppbV	
5) Freon-114	2.026	85	409321	9.557	ppbV	99
6) vinyl chloride	2.059	62	156209	9.631	ppbV	100
7) 1,3-butadiene	2.103	54	97012	9.699	ppbV	100
8) bromomethane	2.180	94	148545	9.730	ppbV	100
9) chloroethane	2.230	64	86821	9.666	ppbV	100
10) ethanol	2.257	31	332109	48.474	ppbV	99
11) vinyl bromide	2.329	106	146266	9.755	ppbV	100
12) acrolein	2.363	56	69817M4	9.454	ppbV	
13) acetone	2.397	43	777139	47.492	ppbV	99
14) trichlorofluoromethane	2.454	101	347525	9.695	ppbV	99
15) isopropyl alcohol	2.465	45	418480	24.297	ppbV	100
16) acrylonitrile	2.528	53	116573	9.742	ppbV	100
17) 1,1-dichloroethene	2.634	61	215424	9.742	ppbV	100
18) tertiary butyl alcohol	2.643	59	262589	9.993	ppbV	99
19) methylene chloride	2.663	49	138220	8.913	ppbV	91
20) 3-chloropropene	2.701	41	127414	9.478	ppbV #	1
21) carbon disulfide	2.753	76	382457	9.689	ppbV #	87
22) Freon 113	2.753	101	311825	9.720	ppbV	99
23) trans-1,2-dichloroethene	2.971	61	183625	9.854	ppbV	100
24) 1,1-dichloroethane	3.042	63	253689	9.834	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:25:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.073	73	361219	10.121	ppbV	#	85
26) vinyl acetate	3.108	43	274899M6	10.558	ppbV		
27) 2-butanone	3.197	43	324933	10.715	ppbV		98
28) cis-1,2-dichloroethene	3.366	61	216862	9.907	ppbV		100
29) Ethyl Acetate	3.478	61	55682M6	11.110	ppbV		
30) chloroform	3.493	83	324269	9.775	ppbV	#	100
31) Tetrahydrofuran	3.662	42	126327M6	10.025	ppbV		
32) 1,2-dichloroethane	3.809	62	189700	9.943	ppbV	#	94
34) hexane	3.471	57	210943	9.872	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	327219	10.115	ppbV	#	17
37) benzene	4.126	78	528011	9.787	ppbV	#	100
38) carbon tetrachloride	4.201	117	309721	9.933	ppbV	#	28
39) cyclohexane	4.258	56	220821	9.824	ppbV	#	1
40) Dibromomethane	4.503	93	210743	9.982	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	191378	9.865	ppbV	#	1
42) bromodichloromethane	4.616	83	328239	10.047	ppbV	#	100
43) 1,4-dioxane	4.654	88	110813	10.999	ppbV	#	1
44) trichloroethene	4.644	130	251950	9.966	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	674717	10.065	ppbV	#	58
46) heptane	4.823	43	226247	10.002	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	283436	10.197	ppbV	#	100
48) 4-methyl-2-pentanone	5.116	43	310027	9.945	ppbV	#	60
49) trans-1,3-dichloropropene	5.348	75	211841	10.150	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	237113	10.013	ppbV	#	1
52) toluene	5.563	91	642845	9.959	ppbV		99
54) 2-hexanone	5.731	43	300554	10.063	ppbV		100
55) dibromochloromethane	5.763	129	328613	10.212	ppbV		99
56) 1,2-dibromoethane	5.883	107	340324	10.055	ppbV		99
57) tetrachloroethene	6.130	166	288694	9.993	ppbV		100
58) 1,1,1,2-tetrachloroethane	6.455	131	271833	10.121	ppbV	#	100
59) chlorobenzene	6.461	112	521919	9.903	ppbV		100
60) ethylbenzene	6.663	91	826354	9.934	ppbV		99
61) m+p-xylene	6.756	91	1260075	19.458	ppbV		99
62) bromoform	6.756	173	292894	10.229	ppbV		99
63) styrene	6.934	104	504801	10.238	ppbV		100
64) 1,1,2,2-tetrachloroethane	6.975	83	487904	9.838	ppbV		98
65) o-xylene	6.981	91	622692	9.901	ppbV		100
66) 1,2,3-Trichloropropane	7.039	75	375337	9.975	ppbV		99
68) isopropylbenzene	7.289	105	934576	9.813	ppbV		98
69) Bromobenzene	7.301	77	592292	9.832	ppbV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:25:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

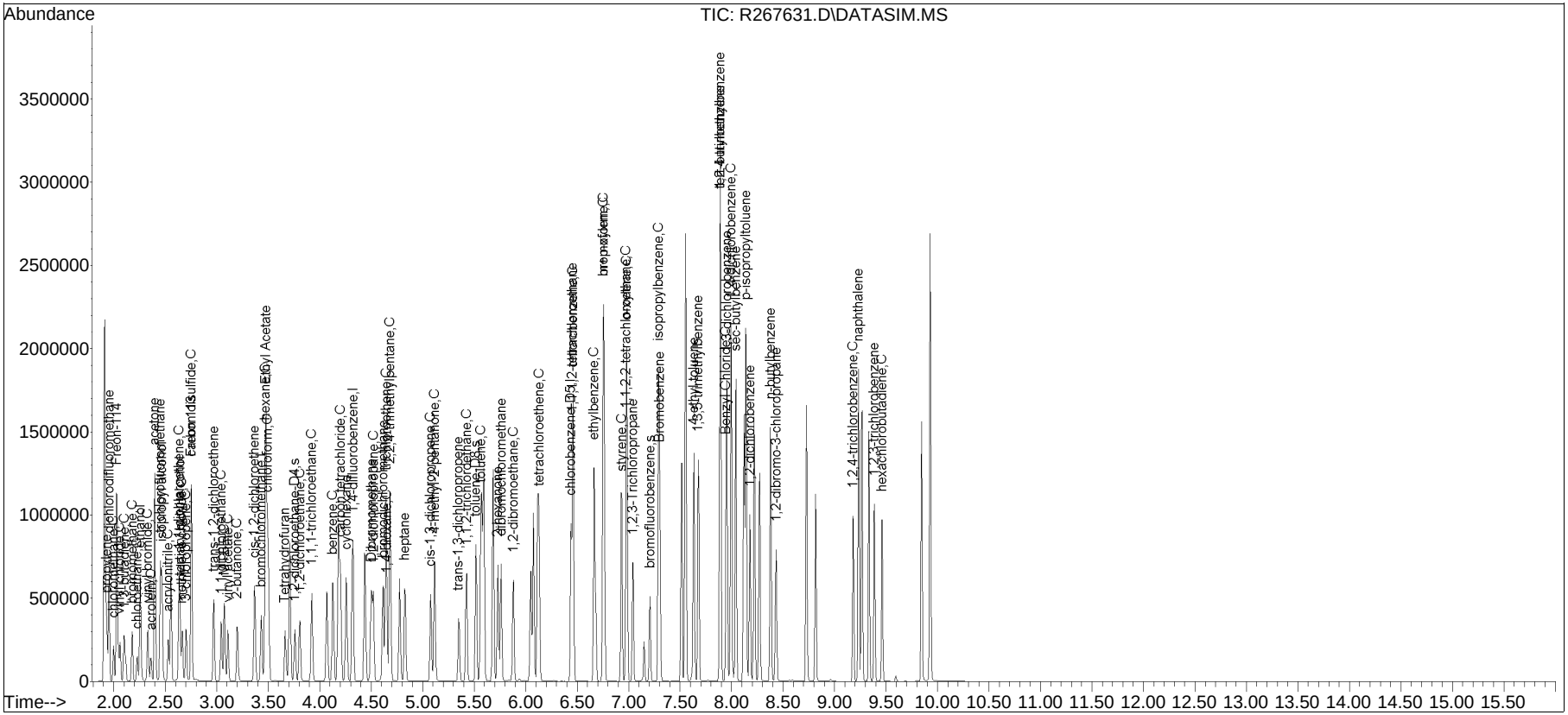
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
70) 4-ethyl toluene	7.635	105	830845M4	9.750	ppbV		
71) 1,3,5-trimethylbenzene	7.675	105	703972M4	10.100	ppbV		
72) tert-butylbenzene	7.890	119	817363	9.824	ppbV		98
73) 1,2,4-trimethylbenzene	7.890	105	733378	9.794	ppbV		99
74) Benzyl Chloride	7.946	91	614099	10.114	ppbV		100
75) 1,3-dichlorobenzene	7.954	146	556850M6	9.843	ppbV		
76) 1,4-dichlorobenzene	7.994	146	557201M6	9.915	ppbV		
77) sec-butylbenzene	8.042	105	1120089	9.442	ppbV		97
78) p-isopropyltoluene	8.138	119	1039492	9.842	ppbV		99
79) 1,2-dichlorobenzene	8.178	146	546307	9.987	ppbV		99
80) n-butylbenzene	8.377	91	958695	9.635	ppbV		97
81) 1,2-dibromo-3-chloropr...	8.433	75	258445	10.186	ppbV	#	93
82) 1,2,4-trichlorobenzene	9.179	180	534786	10.030	ppbV		99
83) naphthalene	9.232	128	1372652	9.739	ppbV		99
84) 1,2,3-trichlorobenzene	9.384	180	598670	9.701	ppbV		99
85) hexachlorobutadiene	9.460	225	375402	10.365	ppbV		98

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267631.D
Acq On : 08 Jan 2026 12:59 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD010
Misc : WG2163147
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 08 06:25:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

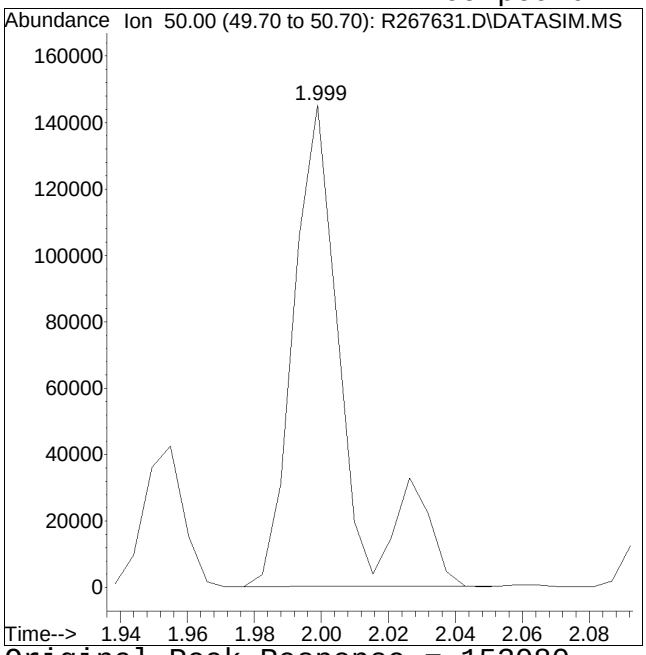


Manual Integration Report

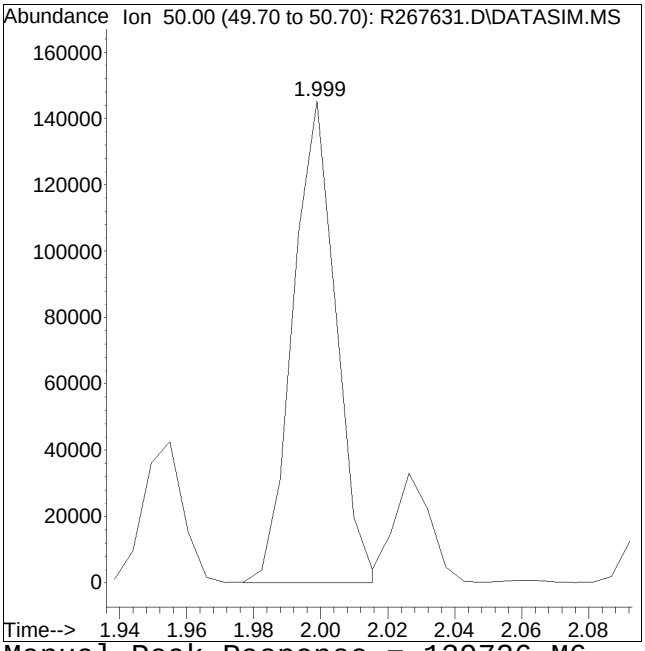
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267631.D
Date Inj'd : 1/8/2026 12:59 am
Sample : ITO15-LLSTD010

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 153080



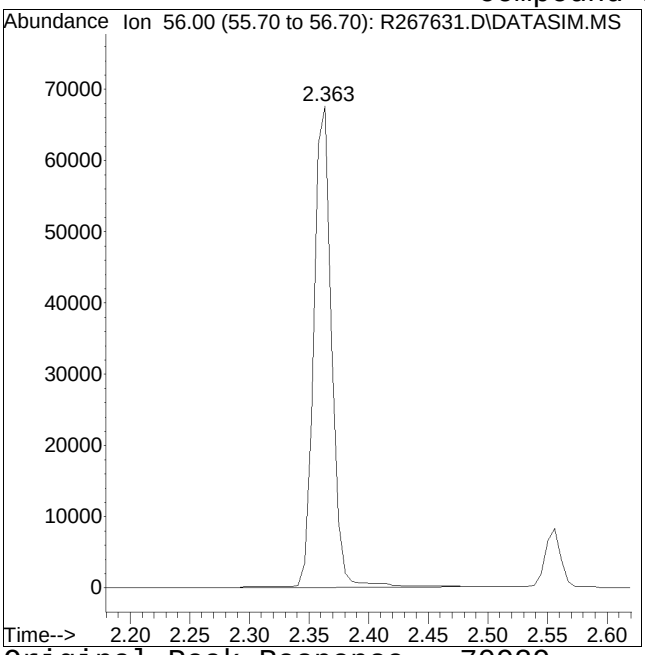
Manual Peak Response = 129726 M6

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

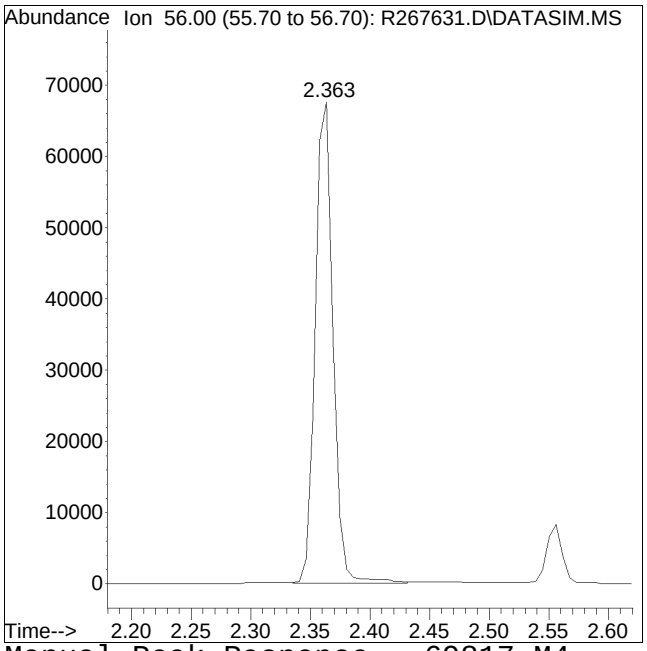
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #12: acrolein



Original Peak Response = 70929



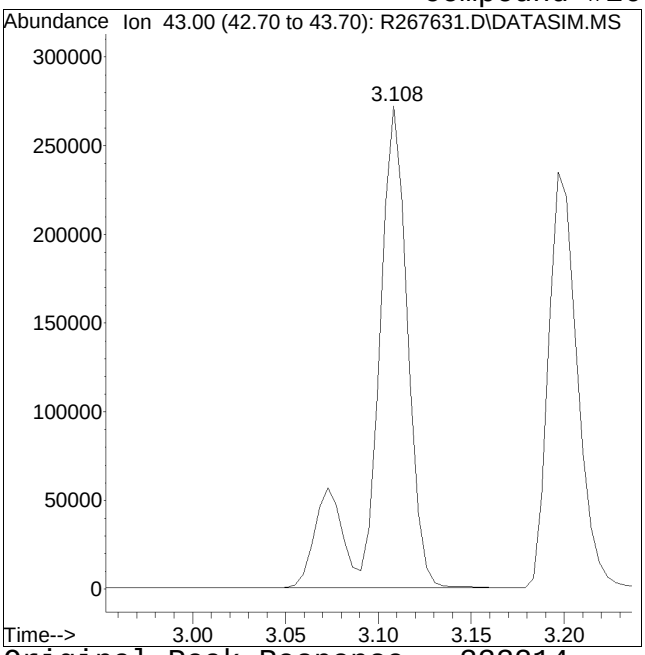
Manual Peak Response = 69817 M4

M4 = Poor automated baseline construction.

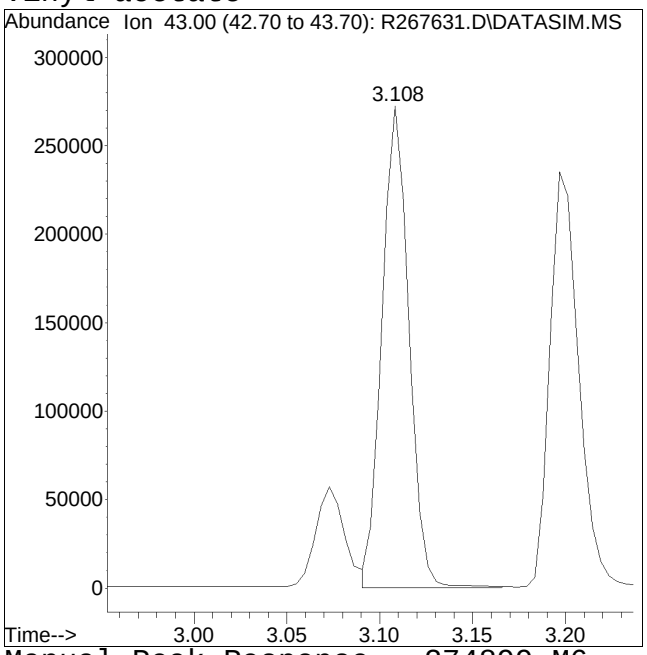
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 333214



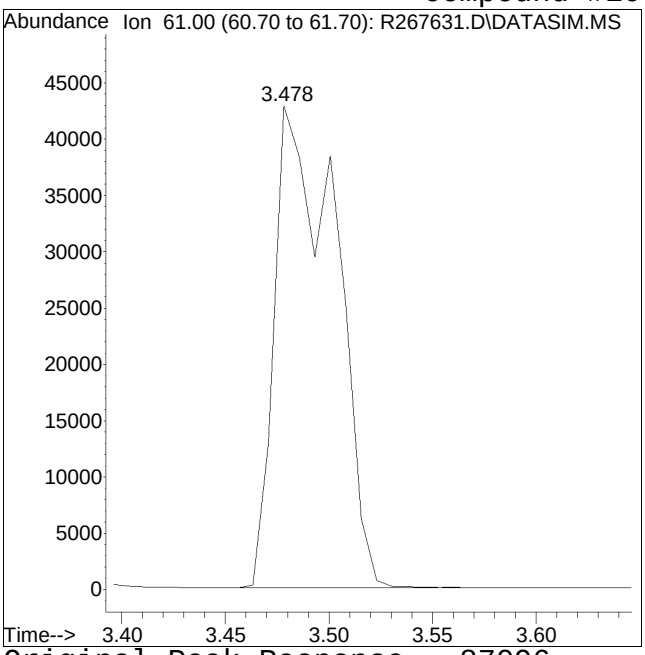
Manual Peak Response = 274899 M6

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

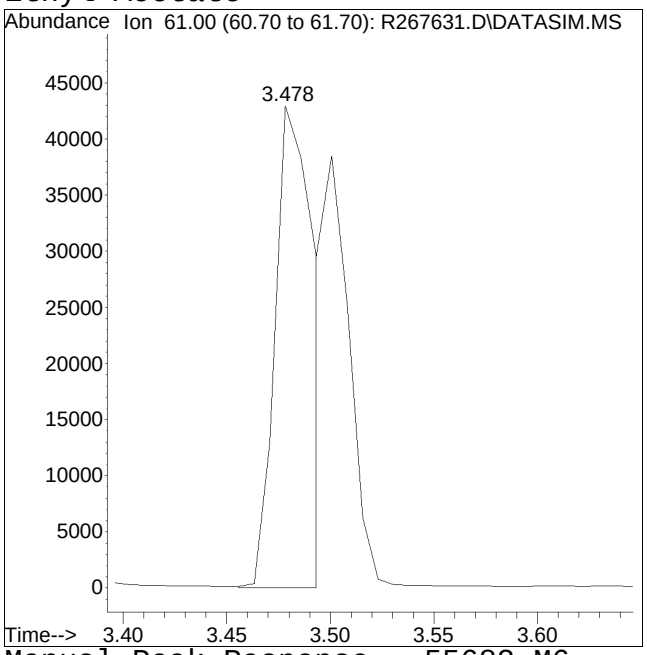
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 87096



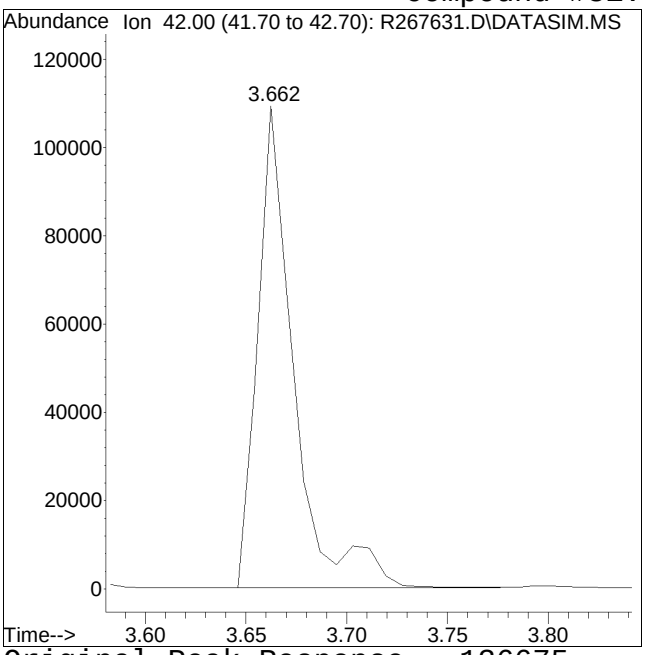
Manual Peak Response = 55682 M6

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

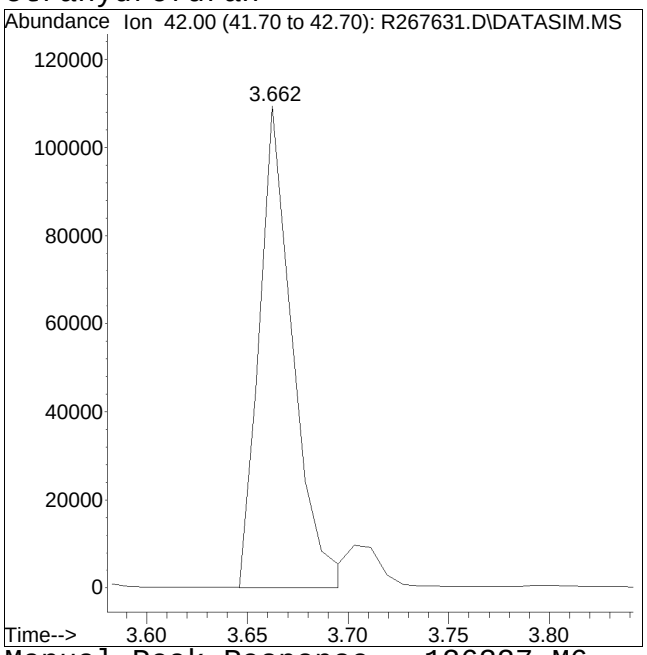
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 136675



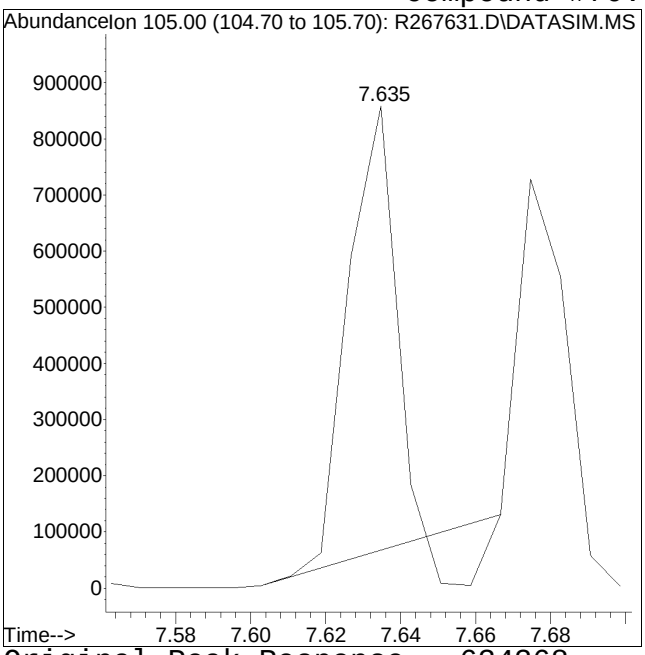
Manual Peak Response = 126327 M6

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

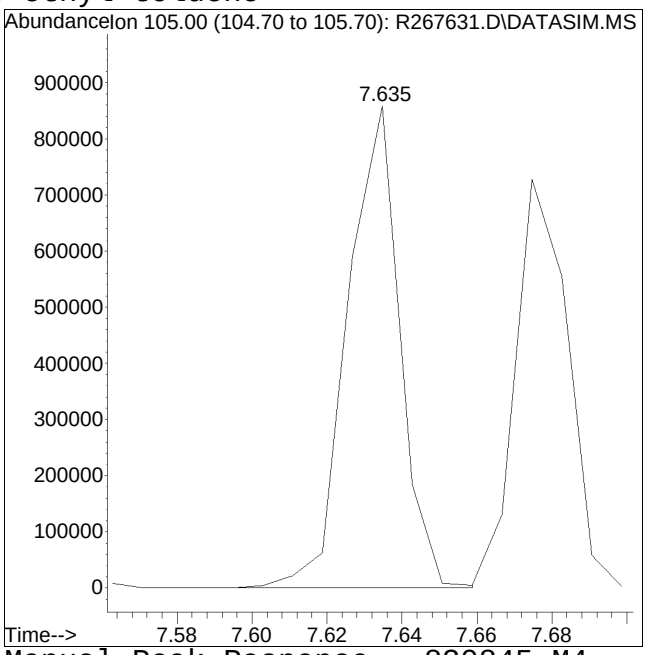
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 634368



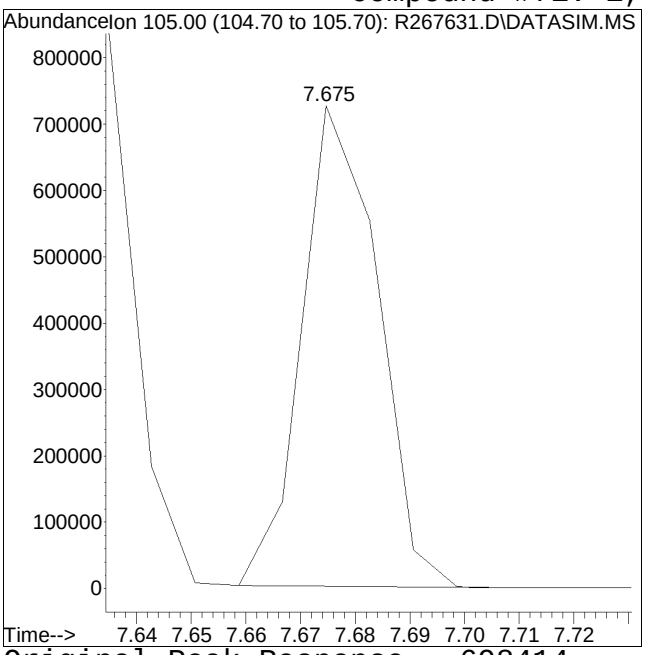
Manual Peak Response = 830845 M4

M4 = Poor automated baseline construction.

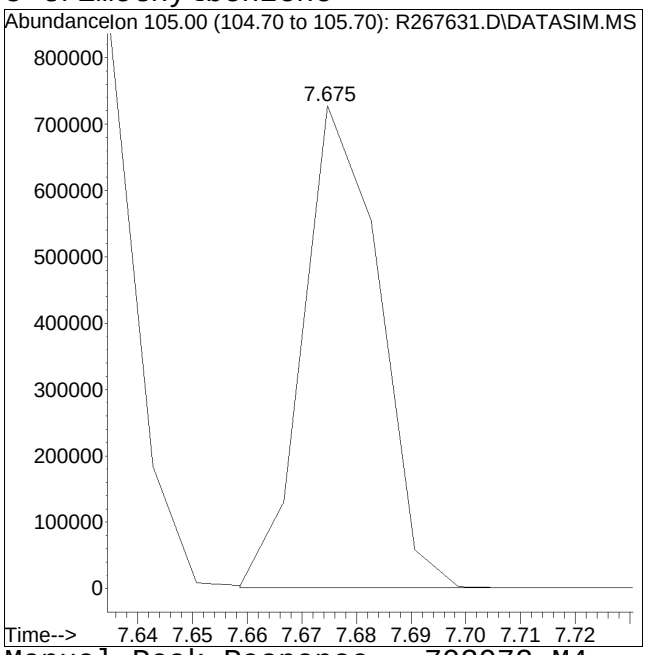
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 698414



Manual Peak Response = 703972 M4

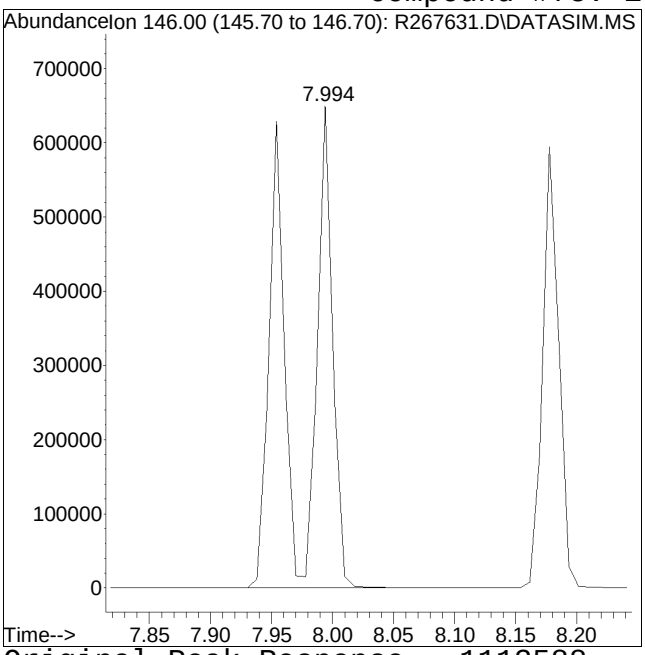
M4 = Poor automated baseline construction.

Manual Integration Report

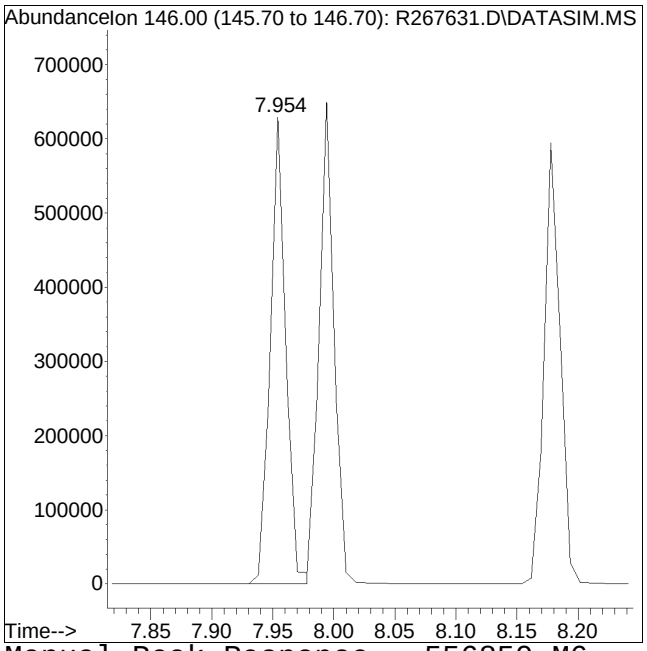
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267631.D
Date Inj'd : 1/8/2026 12:59 am
Sample : ITO15-LLSTD010

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 1113588



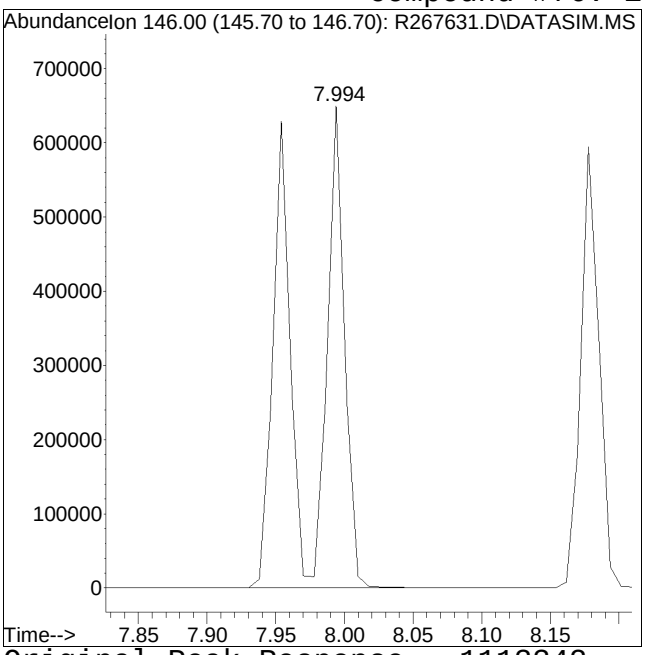
Manual Peak Response = 556850 M6

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

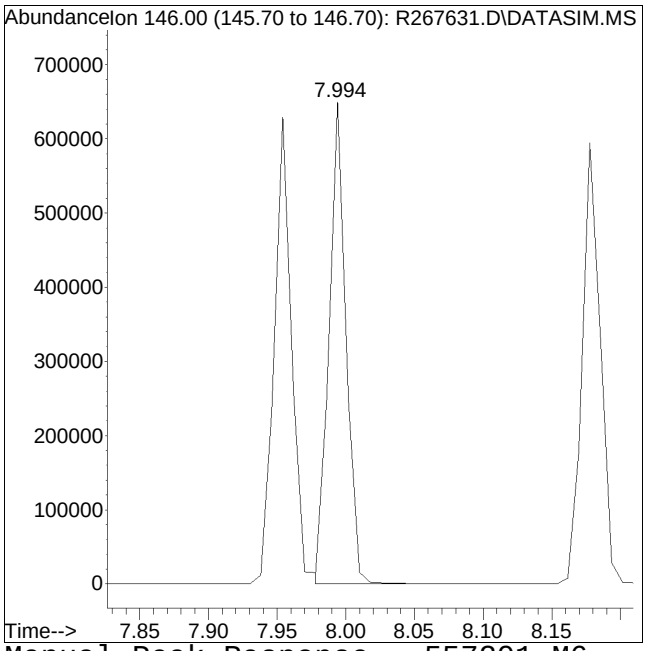
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267631.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 12:59 am Instrument : Airlab26
Sample : ITO15-LLSTD010 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 1113342



Manual Peak Response = 557201 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:45 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	183494	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 93.34%			
33) 1,4-difluorobenzene	4.324	114	610822	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 92.69%			
51) chlorobenzene-D5	6.439	54	84350	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 92.67%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	132132M4	10.116	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.16%			
53) toluene-D8	5.515	98	490802	10.009	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.09%			
67) bromofluorobenzene	7.208	95	297682	10.015	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.15%			
Target Compounds						Qvalue
2) propylene	1.933	41	228068	19.595	ppbV	99
3) dichlorodifluoromethane	1.955	85	715072	19.016	ppbV	99
4) chloromethane	1.999	50	248123M6	16.240	ppbV	
5) Freon-114	2.026	85	765119	18.729	ppbV	98
6) vinyl chloride	2.059	62	300993	19.455	ppbV	99
7) 1,3-butadiene	2.098	54	195351	20.475	ppbV	98
8) bromomethane	2.180	94	290479	19.946	ppbV	100
9) chloroethane	2.224	64	169976	19.839	ppbV	99
10) ethanol	2.257	31	630657	96.501	ppbV	98
11) vinyl bromide	2.329	106	296098	20.703	ppbV	99
12) acrolein	2.358	56	137887	19.575	ppbV	100
13) acetone	2.397	43	1489012	95.398	ppbV	98
14) trichlorofluoromethane	2.454	101	668068	19.539	ppbV	99
15) isopropyl alcohol	2.465	45	925558	56.338	ppbV	99
16) acrylonitrile	2.528	53	226334	19.829	ppbV	100
17) 1,1-dichloroethene	2.629	61	416897	19.764	ppbV	99
18) tertiary butyl alcohol	2.643	59	580428	23.157	ppbV	99
19) methylene chloride	2.663	49	267704	18.098	ppbV	91
20) 3-chloropropene	2.701	41	259070	20.203	ppbV #	1
21) carbon disulfide	2.753	76	763473	20.276	ppbV	96
22) Freon 113	2.753	101	598886	19.571	ppbV	99
23) trans-1,2-dichloroethene	2.971	61	412894	23.230	ppbV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:45 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) 1,1-dichloroethane	3.042	63	548697	22.298	ppbV		99
25) MTBE	3.073	73	754791	22.172	ppbV	#	84
26) vinyl acetate	3.108	43	600076M4	24.162	ppbV		
27) 2-butanone	3.197	43	642065	22.196	ppbV		99
28) cis-1,2-dichloroethene	3.366	61	423081	20.263	ppbV		99
29) Ethyl Acetate	3.478	61	112809M6	23.596	ppbV		
30) chloroform	3.493	83	635327	20.078	ppbV	#	100
31) Tetrahydrofuran	3.654	42	251002M6	20.881	ppbV		
32) 1,2-dichloroethane	3.809	62	372092	20.446	ppbV	#	94
34) hexane	3.471	57	418962	20.605	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	634925	20.627	ppbV	#	16
37) benzene	4.126	78	1016121	19.793	ppbV	#	100
38) carbon tetrachloride	4.201	117	609994	20.560	ppbV	#	30
39) cyclohexane	4.258	56	456883	21.360	ppbV	#	1
40) Dibromomethane	4.503	93	398948	19.859	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	372560	20.181	ppbV	#	1
42) bromodichloromethane	4.616	83	669428	21.534	ppbV	#	100
43) 1,4-dioxane	4.644	88	231639	24.162	ppbV	#	1
44) trichloroethene	4.644	130	483998	20.119	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	1325798	20.785	ppbV	#	57
46) heptane	4.823	43	453052	21.048	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	572965	21.663	ppbV	#	100
48) 4-methyl-2-pentanone	5.116	43	613944M3	20.696	ppbV		
49) trans-1,3-dichloropropene	5.348	75	441561	22.234	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	467301	20.739	ppbV	#	1
52) toluene	5.563	91	1225104	19.681	ppbV		98
54) 2-hexanone	5.731	43	601538	20.886	ppbV		99
55) dibromochloromethane	5.763	129	671992	21.655	ppbV		100
56) 1,2-dibromoethane	5.883	107	677136	20.746	ppbV		99
57) tetrachloroethene	6.130	166	562564	20.194	ppbV		100
58) 1,1,1,2-tetrachloroethane	6.455	131	524369	20.246	ppbV	#	100
59) chlorobenzene	6.461	112	1006154	19.798	ppbV		99
60) ethylbenzene	6.663	91	1545407	19.265	ppbV		97
61) m+p-xylene	6.756	91	2333202	37.363	ppbV		97
62) bromoform	6.756	173	615743	22.301	ppbV		99
63) styrene	6.934	104	988382	20.787	ppbV		99
64) 1,1,2,2-tetrachloroethane	6.975	83	966876	20.217	ppbV		98
65) o-xylene	6.981	91	1169626	19.286	ppbV		98
66) 1,2,3-Trichloropropane	7.039	75	710702	19.587	ppbV		99
68) isopropylbenzene	7.289	105	1640937	17.867	ppbV		96

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:45 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

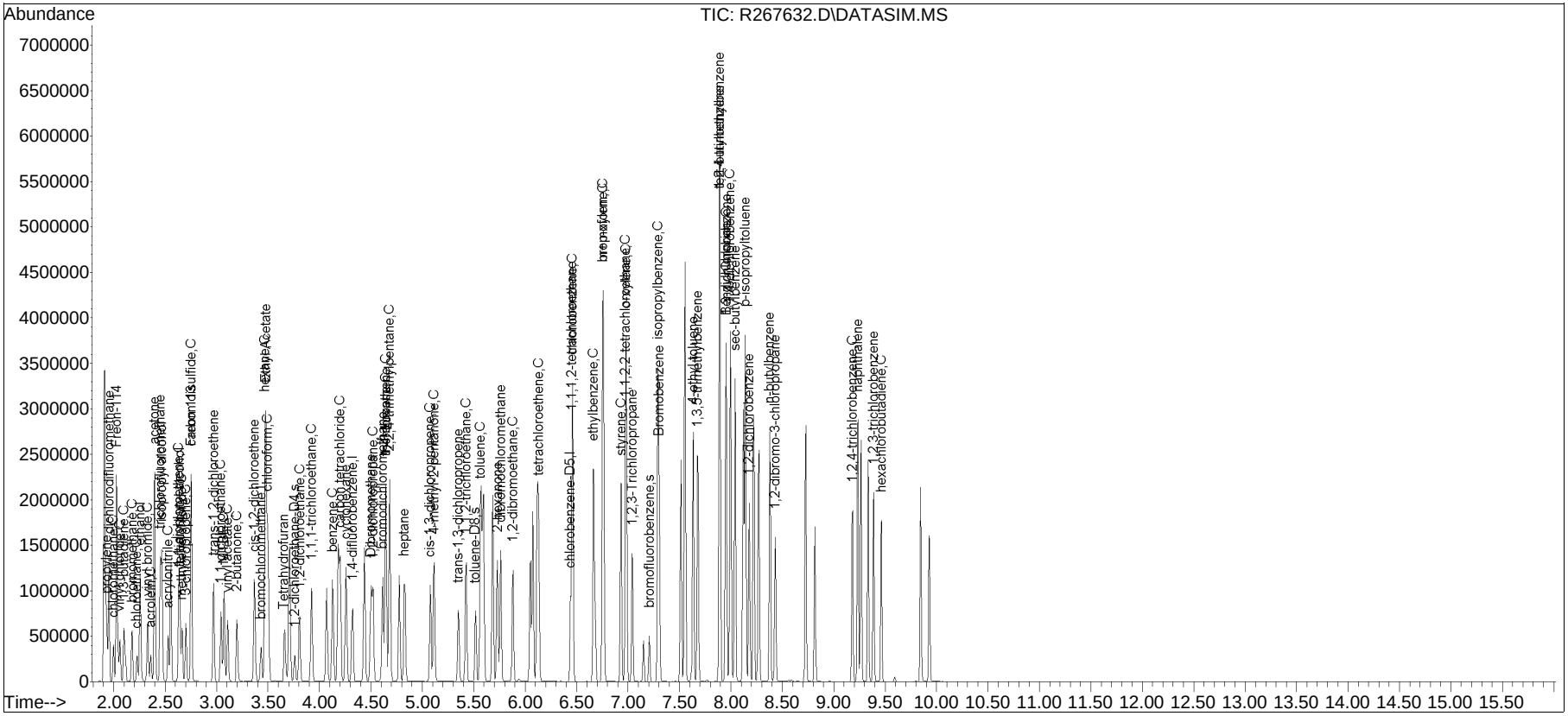
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
69) Bromobenzene	7.301	77	1103119	18.989	ppbV		95
70) 4-ethyl toluene	7.635	105	1630085M6	19.837	ppbV		
71) 1,3,5-trimethylbenzene	7.675	105	1340536M4	19.944	ppbV		
72) tert-butylbenzene	7.890	119	1494558	18.627	ppbV		96
73) 1,2,4-trimethylbenzene	7.890	105	1401139	19.403	ppbV		98
74) Benzyl Chloride	7.954	91	1286949	21.979	ppbV		98
75) 1,3-dichlorobenzene	7.954	146	1096394M4	20.097	ppbV		
76) 1,4-dichlorobenzene	7.994	146	1110807M6	20.498	ppbV		
77) sec-butylbenzene	8.042	105	2025099	17.703	ppbV		95
78) p-isopropyltoluene	8.138	119	1886732	18.526	ppbV		97
79) 1,2-dichlorobenzene	8.178	146	1074097	20.362	ppbV		99
80) n-butylbenzene	8.377	91	1742422	18.160	ppbV		95
81) 1,2-dibromo-3-chloropr...	8.433	75	518558	21.195	ppbV	#	94
82) 1,2,4-trichlorobenzene	9.183	180	1105878	21.508	ppbV		98
83) naphthalene	9.236	128	2397904	17.642	ppbV		98
84) 1,2,3-trichlorobenzene	9.388	180	1134666	19.066	ppbV		99
85) hexachlorobutadiene	9.464	225	747140	21.392	ppbV		99

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267632.D
Acq On : 08 Jan 2026 01:32 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD020
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:45 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

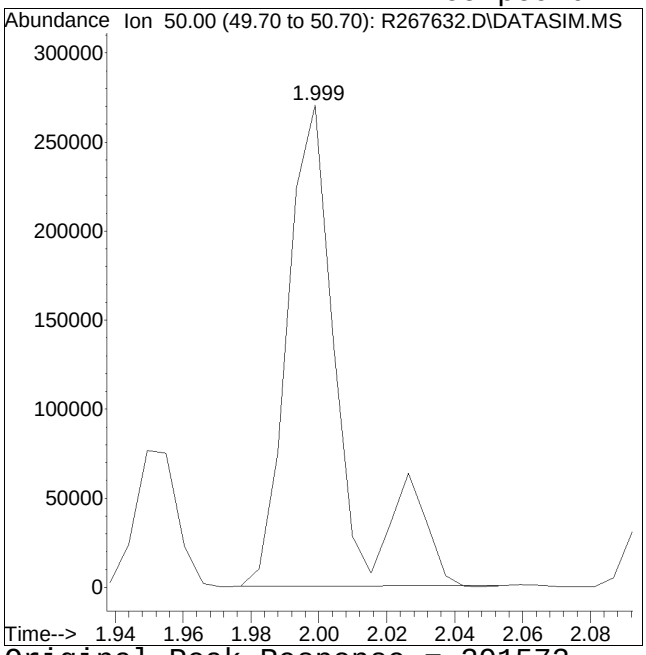


Manual Integration Report

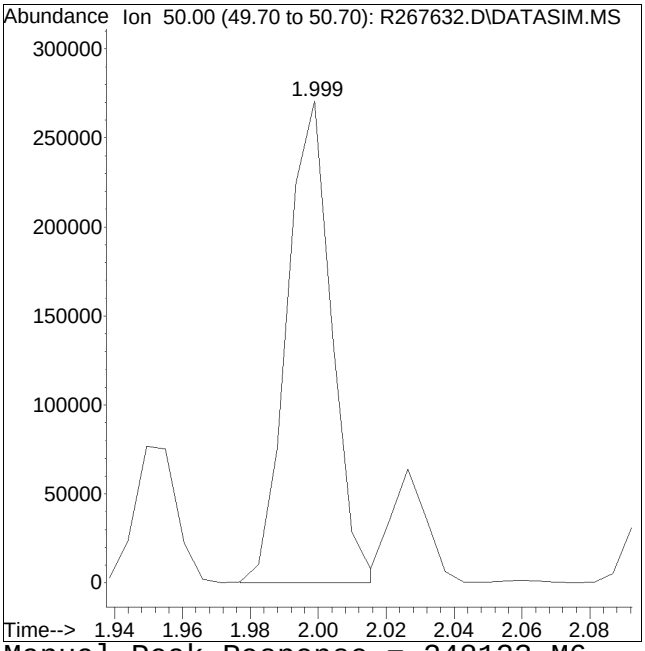
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267632.D
Date Inj'd : 1/8/2026 1:32 am
Sample : ITO15-LLSTD020

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 291572



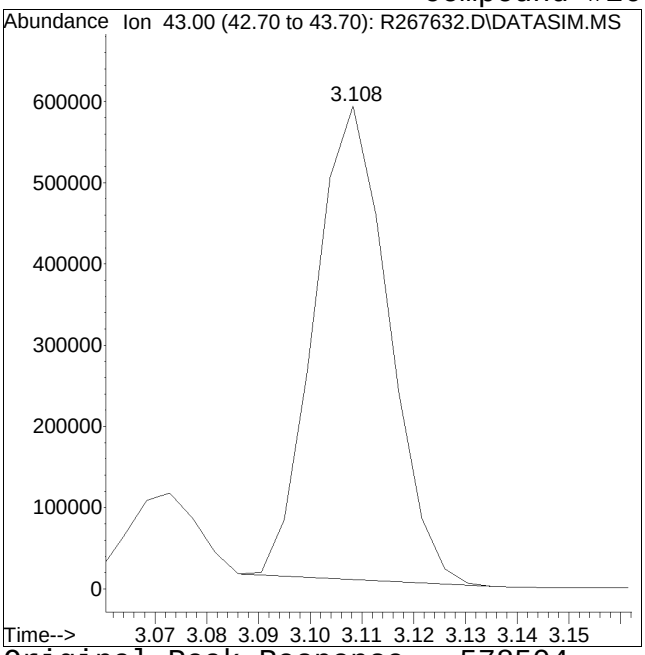
Manual Peak Response = 248123 M6

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

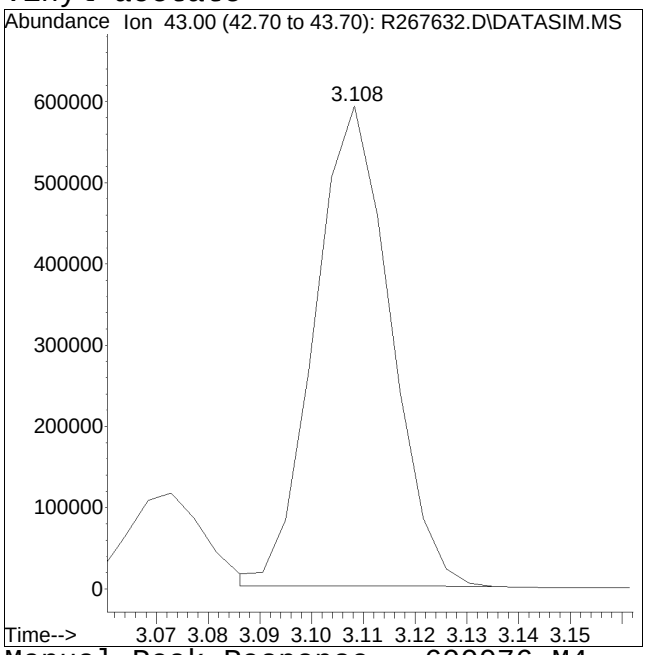
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 578504



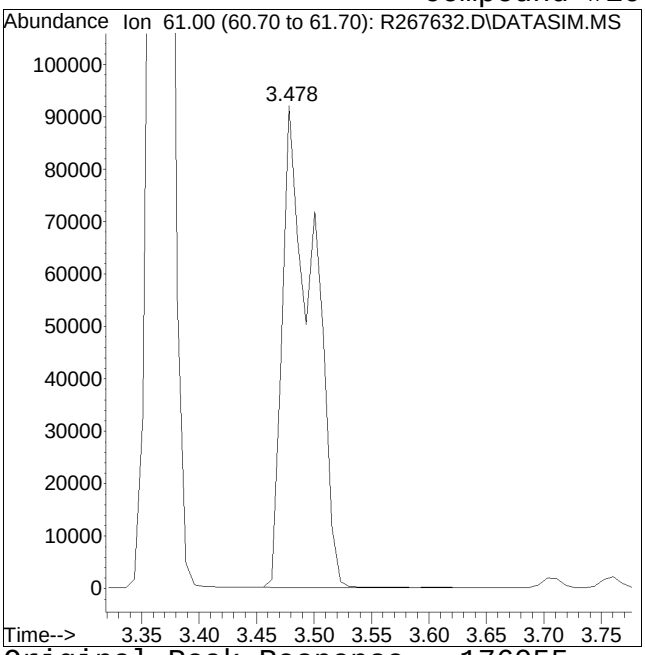
Manual Peak Response = 600076 M4

M4 = Poor automated baseline construction.

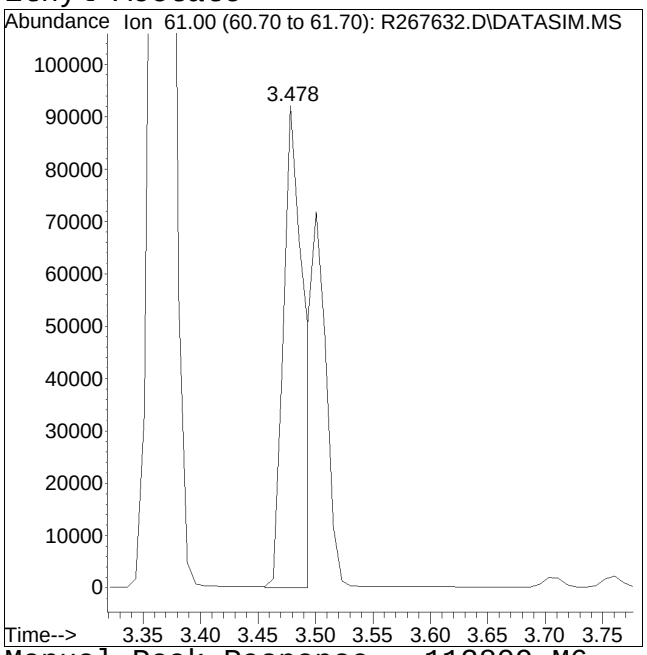
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 176055



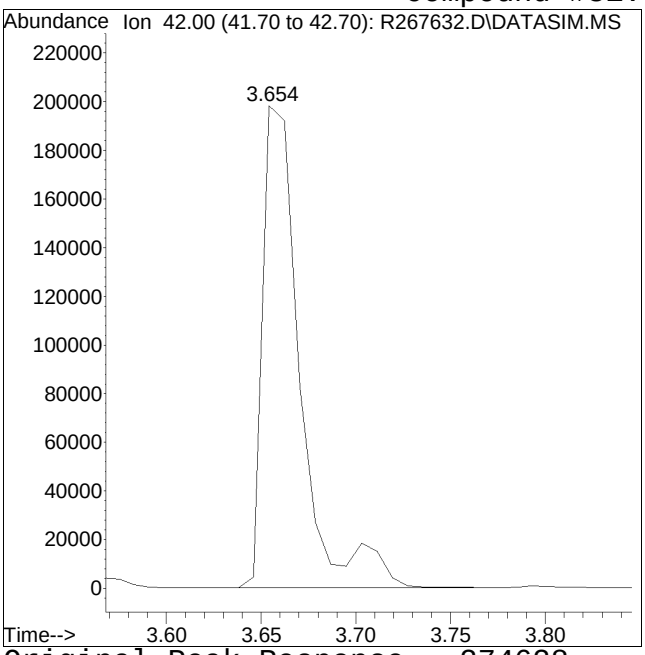
Manual Peak Response = 112809 M6

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

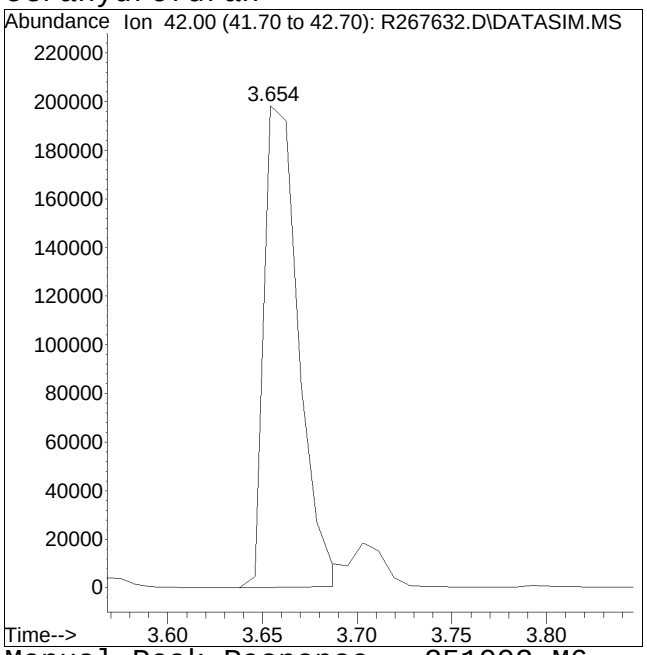
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 274628



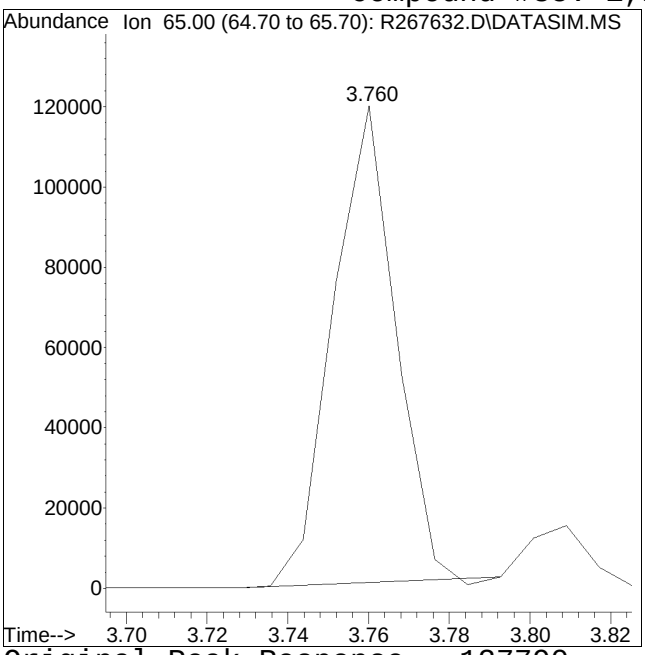
Manual Peak Response = 251002 M6

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

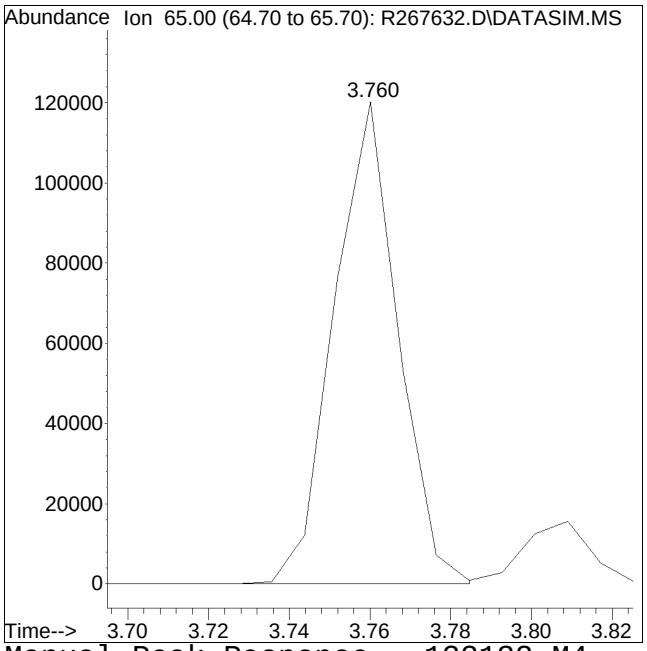
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #35: 1,2-dichloroethane-D4



Original Peak Response = 127790



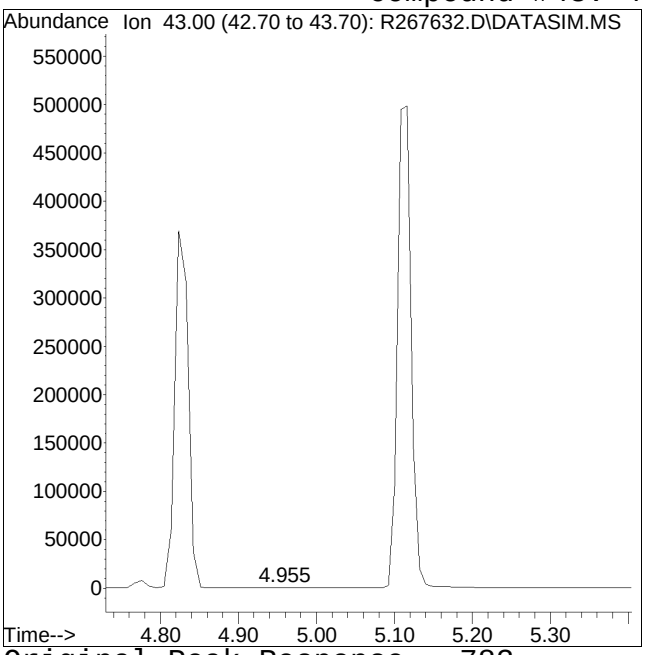
Manual Peak Response = 132132 M4

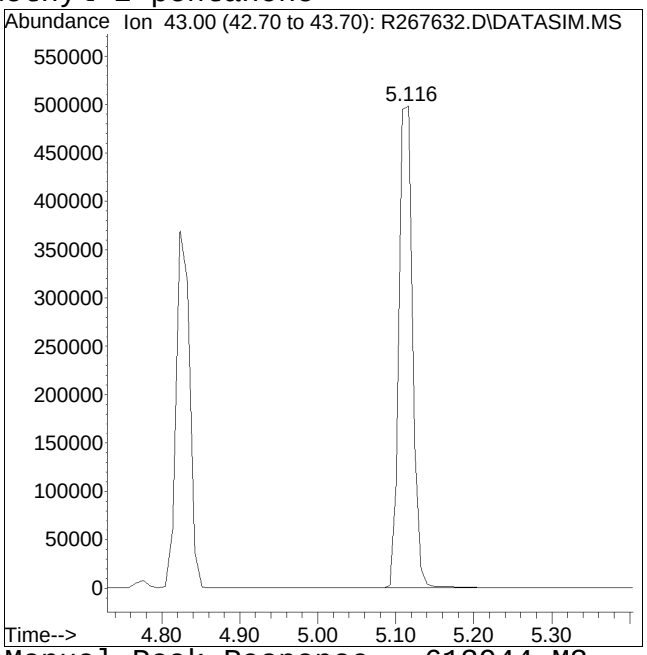
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #48: 4-methyl-2-pentanone





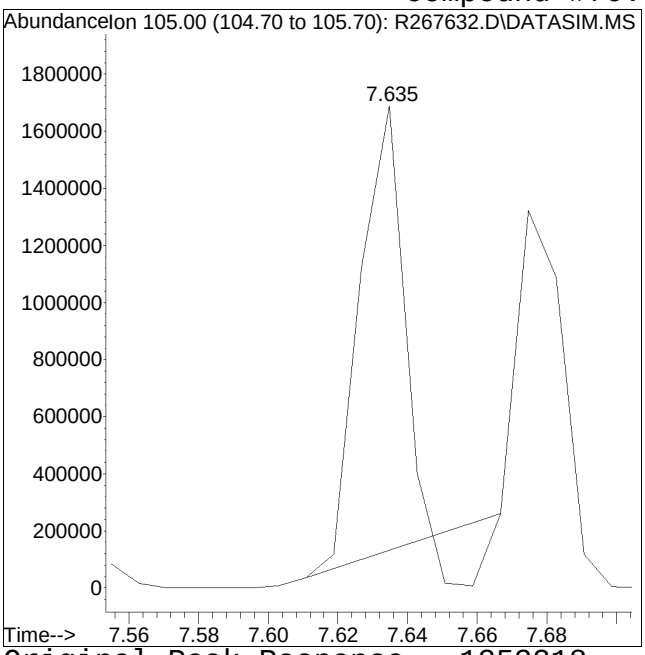
Original Peak Response = 783 Manual Peak Response = 613944 M3

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.

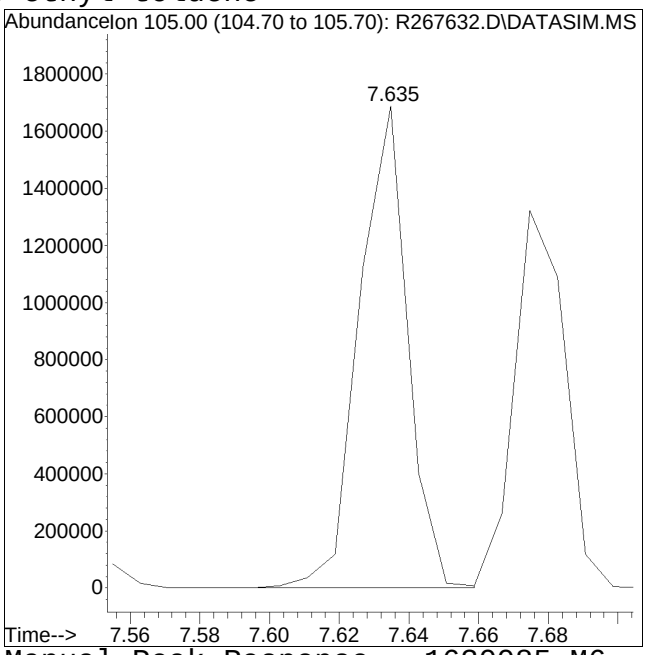
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 1253218



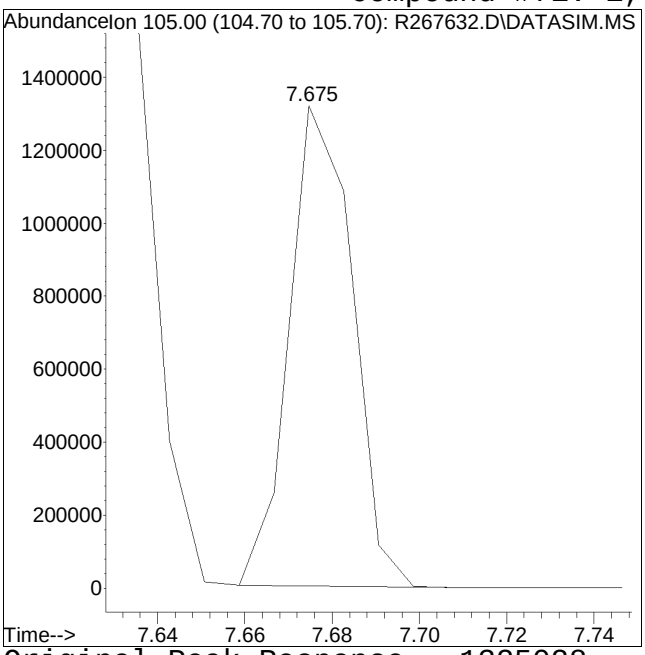
Manual Peak Response = 1630085 M6

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

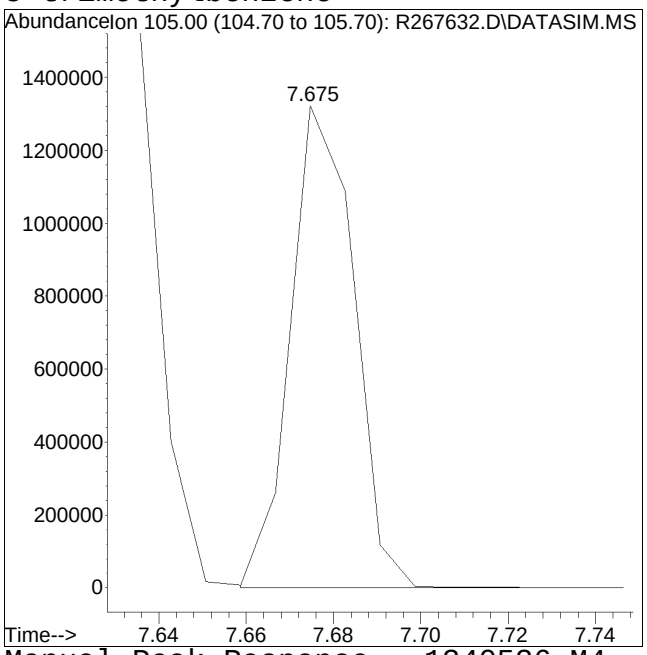
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 1325028



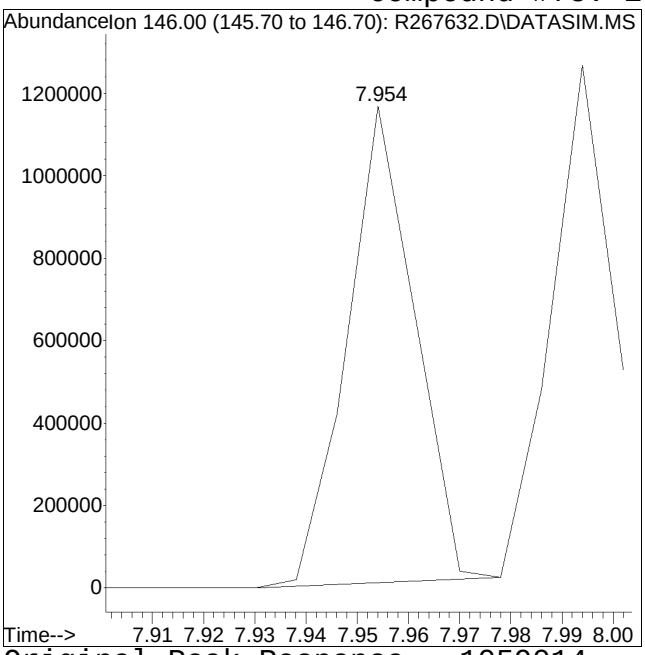
Manual Peak Response = 1340536 M4

M4 = Poor automated baseline construction.

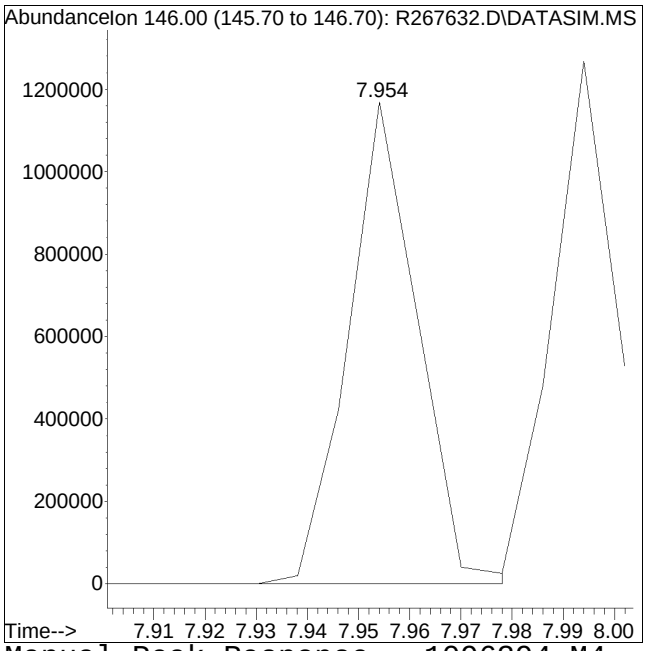
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 1059014



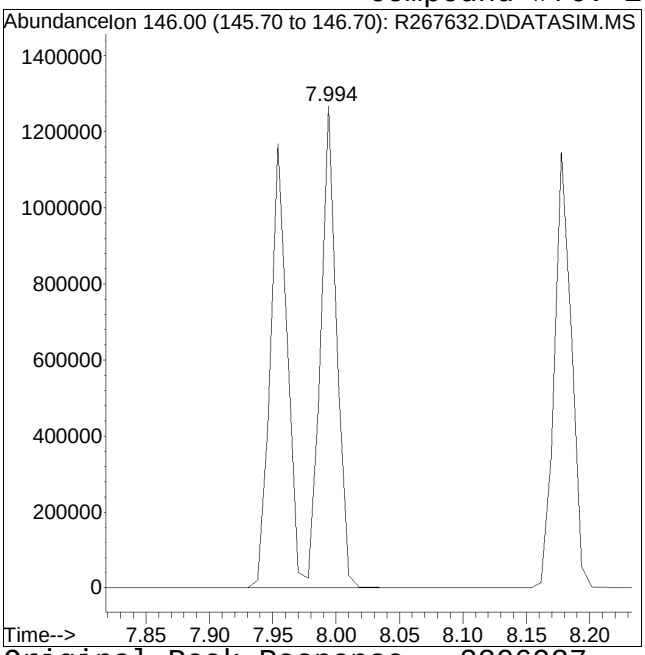
Manual Peak Response = 1096394 M4

M4 = Poor automated baseline construction.

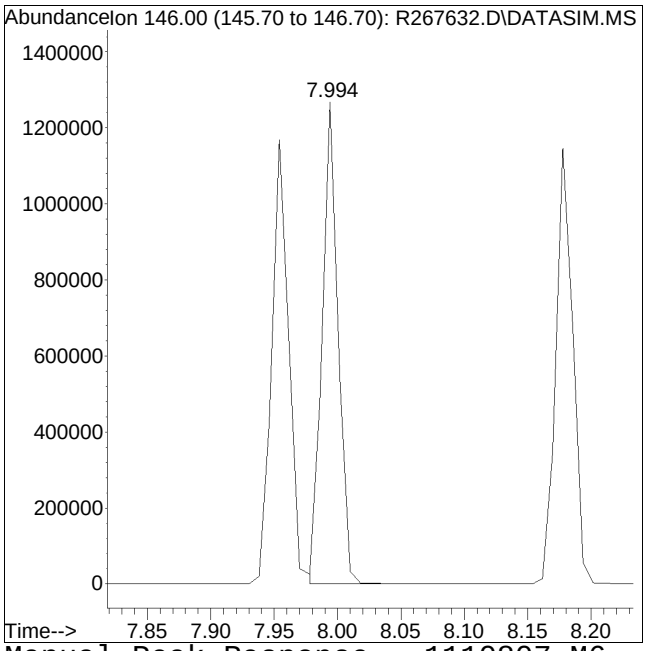
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267632.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 1:32 am Instrument : Airlab26
Sample : ITO15-LLSTD020 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 2206927



Manual Peak Response = 1110807 M6

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

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:53 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	171087	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 87.03%			
33) 1,4-difluorobenzene	4.324	114	571813	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 86.77%			
51) chlorobenzene-D5	6.439	54	79923	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 87.80%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	123358M6	10.089	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.89%			
53) toluene-D8	5.523	98	469439	10.104	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%			
67) bromofluorobenzene	7.207	95	282673	10.037	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.37%			
Target Compounds						Qvalue
2) propylene	1.933	41	485237	44.713	ppbV	99
3) dichlorodifluoromethane	1.955	85	1472024	41.985	ppbV	96
4) chloromethane	1.999	50	541844M6	38.035	ppbV	
5) Freon-114	2.032	85	1551278	40.727	ppbV	95
6) vinyl chloride	2.065	62	658183	45.626	ppbV	99
7) 1,3-butadiene	2.103	54	430112	48.350	ppbV	98
8) bromomethane	2.180	94	636069	46.844	ppbV	100
9) chloroethane	2.229	64	377843	47.299	ppbV	99
10) ethanol	2.262	31	1323271	217.166	ppbV	97
11) vinyl bromide	2.335	106	649505	48.705	ppbV	99
12) acrolein	2.363	56	308246	46.933	ppbV	99
13) acetone	2.397	43	2913613	200.206	ppbV	92
14) trichlorofluoromethane	2.454	101	1416712	44.440	ppbV	97
15) isopropyl alcohol	2.471	45	1902135	124.178	ppbV	98
16) acrylonitrile	2.533	53	505030	47.454	ppbV	100
17) 1,1-dichloroethene	2.634	61	900179	45.770	ppbV	98
18) tertiary butyl alcohol	2.648	59	1197491	51.240	ppbV	98
19) methylene chloride	2.667	49	634215	45.986	ppbV	99
20) 3-chloropropene	2.705	41	564421	47.208	ppbV #	1
21) carbon disulfide	2.758	76	1588824	45.256	ppbV	100
22) Freon 113	2.758	101	1265733	44.362	ppbV	97
23) trans-1,2-dichloroethene	2.971	61	816618	49.276	ppbV	98

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:53 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) 1,1-dichloroethane	3.046	63	1069456	46.612	ppbV		98
25) MTBE	3.077	73	1492711	47.028	ppbV	#	84
26) vinyl acetate	3.112	43	1254330M4	54.169	ppbV		
27) 2-butanone	3.201	43	1384372	51.328	ppbV		100
28) cis-1,2-dichloroethene	3.373	61	919930	47.255	ppbV		98
29) Ethyl Acetate	3.485	61	224772M6	50.424	ppbV		
30) chloroform	3.500	83	1372191	46.510	ppbV	#	100
31) Tetrahydrofuran	3.662	42	567340M6	50.621	ppbV		
32) 1,2-dichloroethane	3.809	62	817501	48.178	ppbV	#	95
34) hexane	3.471	57	902698	47.424	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	1380550	47.909	ppbV	#	15
37) benzene	4.135	78	2129937	44.319	ppbV	#	100
38) carbon tetrachloride	4.201	117	1320980	47.561	ppbV	#	29
39) cyclohexane	4.258	56	974550	48.670	ppbV	#	1
40) Dibromomethane	4.503	93	876759	46.622	ppbV	#	100
41) 1,2-dichloropropane	4.521	63	815207	47.172	ppbV	#	1
42) bromodichloromethane	4.616	83	1461185	50.209	ppbV	#	100
43) 1,4-dioxane	4.644	88	510267	56.857	ppbV	#	1
44) trichloroethene	4.644	130	1044667	46.388	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	2717025	45.501	ppbV	#	54
46) heptane	4.833	43	971849	48.230	ppbV	#	1
47) cis-1,3-dichloropropene	5.084	75	1249828	50.479	ppbV	#	100
48) 4-methyl-2-pentanone	5.116	43	1309756	47.164	ppbV	#	62
49) trans-1,3-dichloropropene	5.356	75	990524	53.280	ppbV	#	100
50) 1,1,2-trichloroethane	5.427	97	1012040	47.978	ppbV	#	1
52) toluene	5.571	91	2511933	42.590	ppbV		94
54) 2-hexanone	5.731	43	1284286	47.062	ppbV		98
55) dibromochloromethane	5.763	129	1486348	50.550	ppbV		99
56) 1,2-dibromoethane	5.882	107	1464495	47.354	ppbV		98
57) tetrachloroethene	6.130	166	1215138	46.035	ppbV		100
58) 1,1,1,2-tetrachloroethane	6.461	131	1154897	47.060	ppbV	#	99
59) chlorobenzene	6.466	112	2055279	42.682	ppbV		97
60) ethylbenzene	6.668	91	3060757	40.270	ppbV		92
61) m+p-xylene	6.761	91	4429161	74.855	ppbV		90
62) bromoform	6.761	173	1363481	52.117	ppbV		97
63) styrene	6.934	104	2039782	45.276	ppbV		96
64) 1,1,2,2-tetrachloroethane	6.980	83	1963419	43.328	ppbV		95
65) o-xylene	6.986	91	2367200	41.195	ppbV		94
66) 1,2,3-Trichloropropane	7.044	75	1516136	44.100	ppbV		96
68) isopropylbenzene	7.295	105	3152344M6	36.225	ppbV		

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 08 06:25:53 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

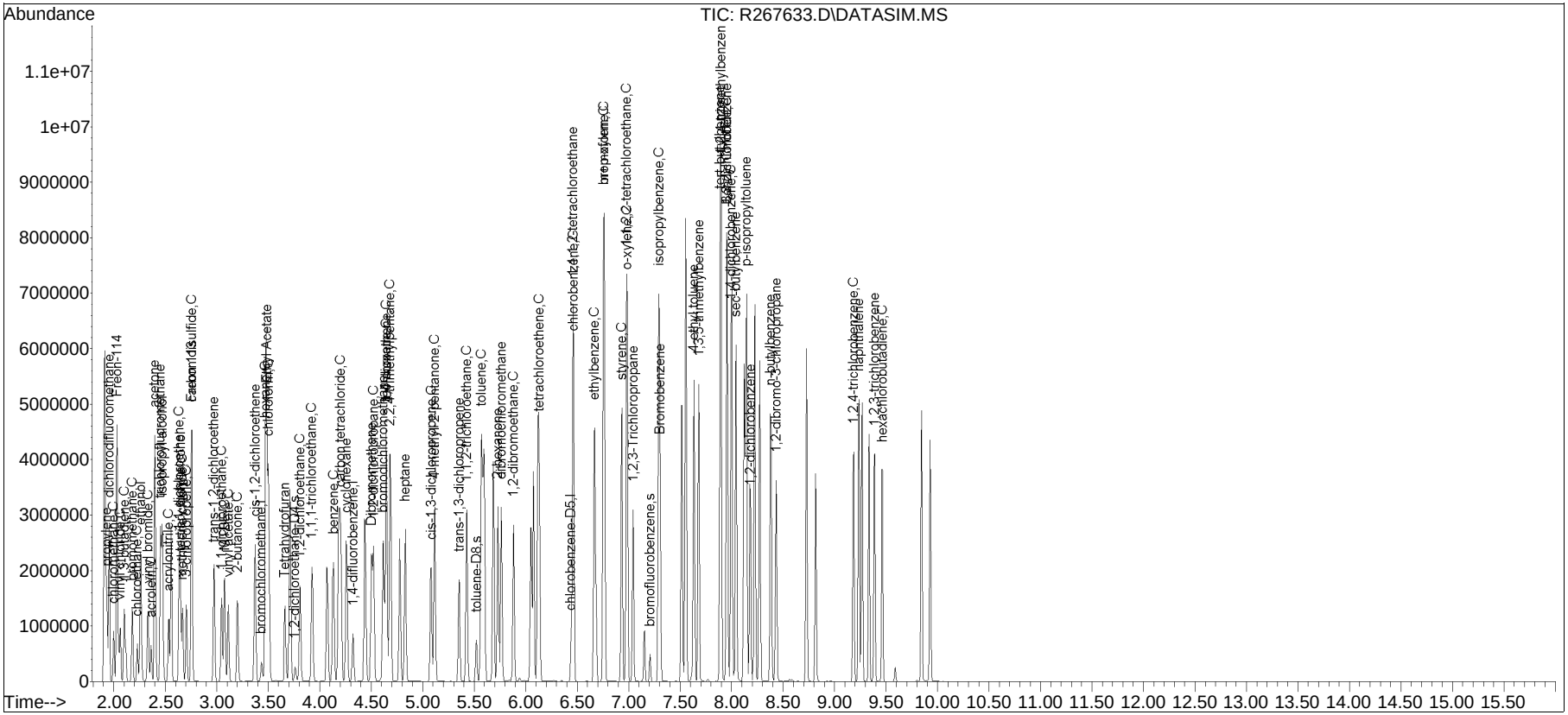
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
69) Bromobenzene	7.306	77	2291452	41.630	ppbV		100
70) 4-ethyl toluene	7.635	105	3137012M4	40.290	ppbV		
71) 1,3,5-trimethylbenzene	7.682	105	2651385	41.632	ppbV	#	69
72) tert-butylbenzene	7.890	119	2957622	38.904	ppbV		91
73) 1,2,4-trimethylbenzene	7.898	105	2736864	40.000	ppbV		95
74) Benzyl Chloride	7.954	91	2654078	47.838	ppbV		91
75) 1,3-dichlorobenzene	7.954	146	2281790M4	44.142	ppbV		
76) 1,4-dichlorobenzene	7.994	146	2260763M6	44.029	ppbV		
77) sec-butylbenzene	8.042	105	3785658	34.927	ppbV	#	87
78) p-isopropyltoluene	8.145	119	3583956	37.140	ppbV	#	90
79) 1,2-dichlorobenzene	8.185	146	2210484	44.226	ppbV		94
80) n-butylbenzene	8.377	91	3324690	36.569	ppbV	#	86
81) 1,2-dibromo-3-chloropr...	8.433	75	1156709	49.896	ppbV		98
82) 1,2,4-trichlorobenzene	9.185	180	2466866	50.636	ppbV		95
83) naphthalene	9.238	128	4402282	34.183	ppbV	#	90
84) 1,2,3-trichlorobenzene	9.390	180	2420769	42.930	ppbV		94
85) hexachlorobutadiene	9.466	225	1654079	49.983	ppbV		98

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267633.D
Acq On : 08 Jan 2026 02:05 am
Operator : AIRLAB26:KJD
Sample : ITO15-LLSTD050
Misc : WG2163147
ALS Vial : 8 Sample Multiplier: 1

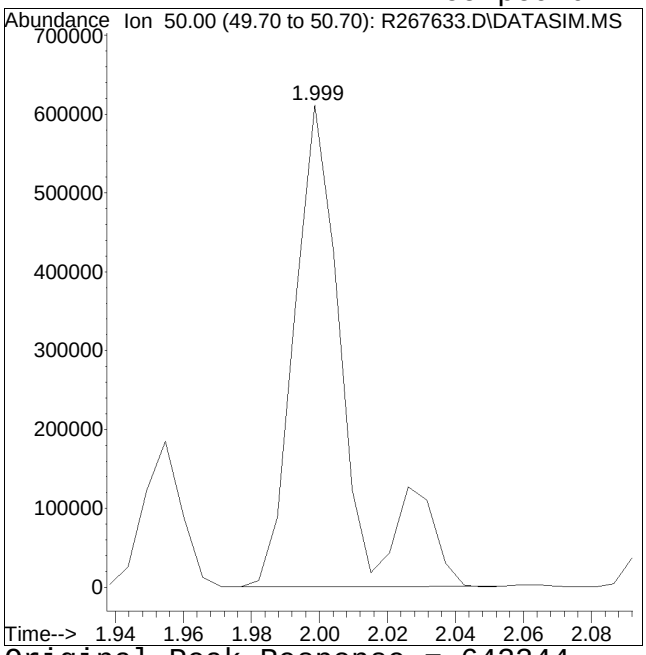
Quant Time: Jan 08 06:25:53 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Thu Jan 08 06:24:07 2026
Response via : Initial Calibration



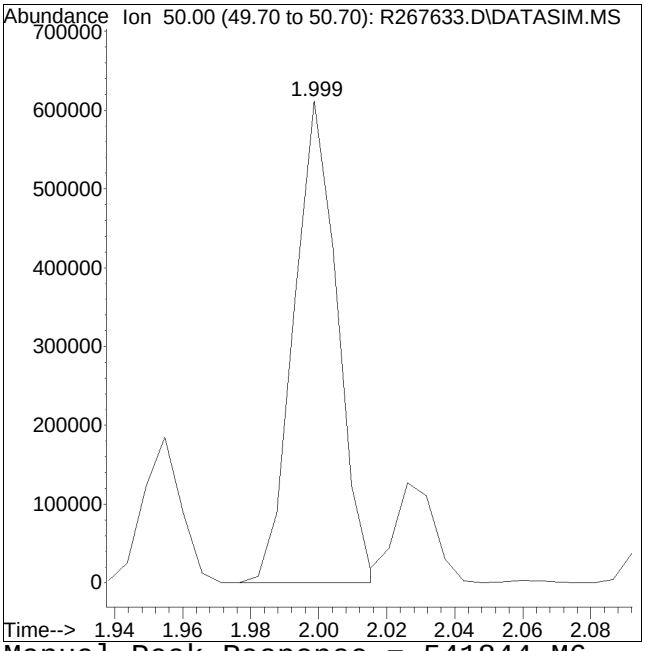
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #4: chloromethane



Original Peak Response = 642344



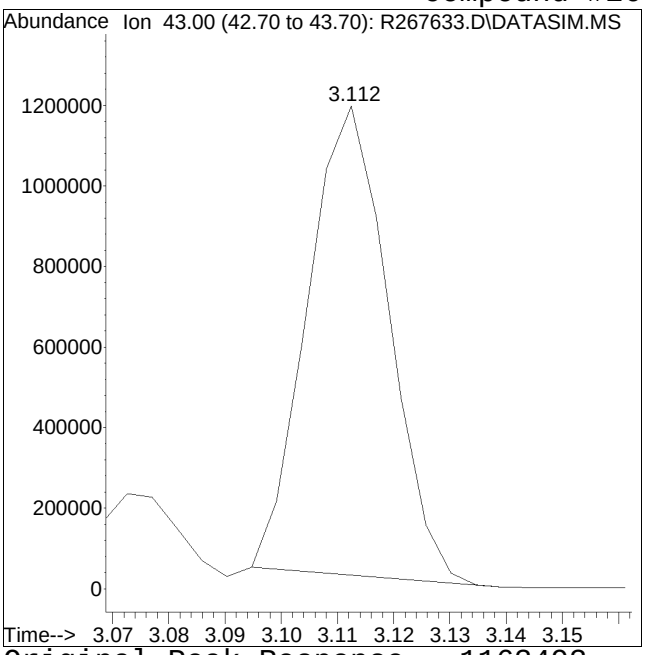
Manual Peak Response = 541844 M6

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

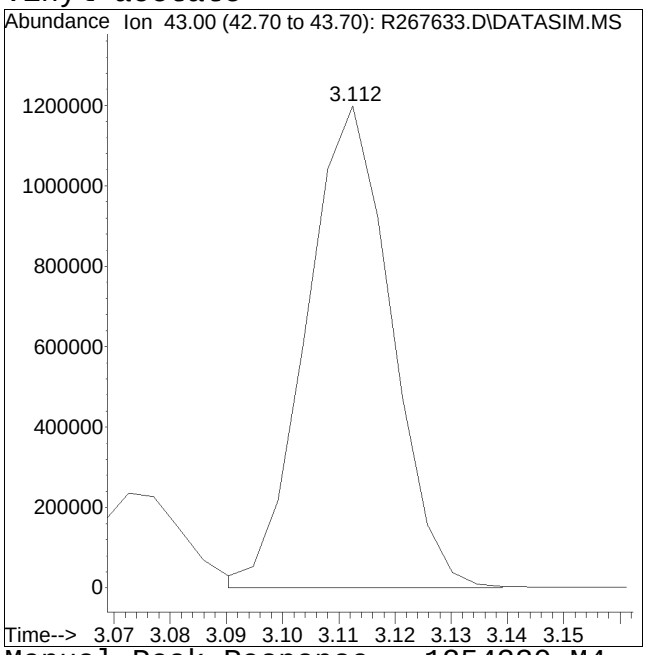
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #26: vinyl acetate



Original Peak Response = 1163493



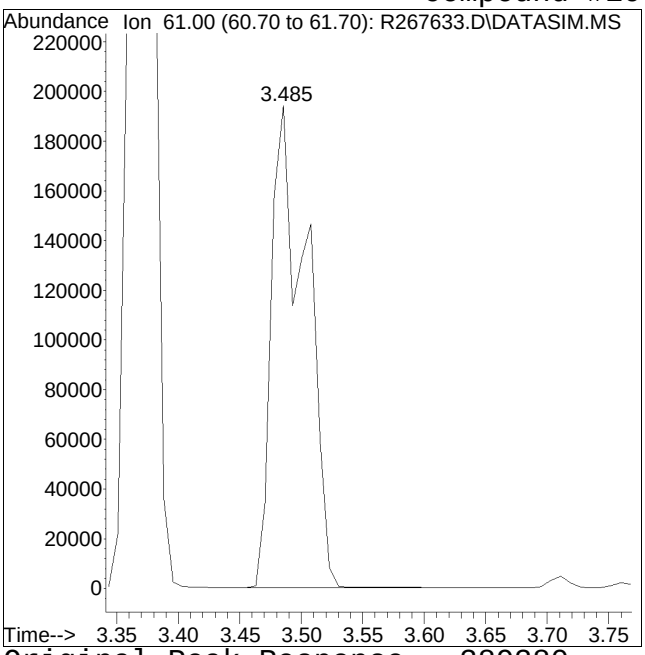
Manual Peak Response = 1254330 M4

M4 = Poor automated baseline construction.

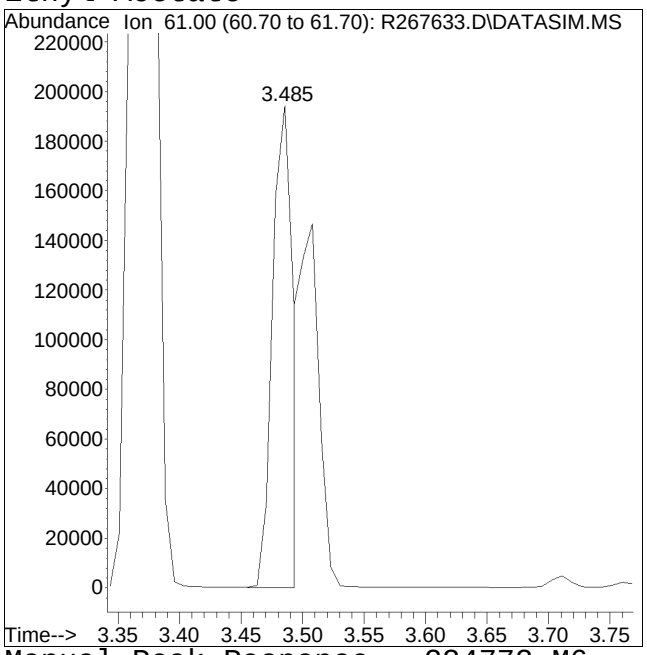
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #29: Ethyl Acetate



Original Peak Response = 389380



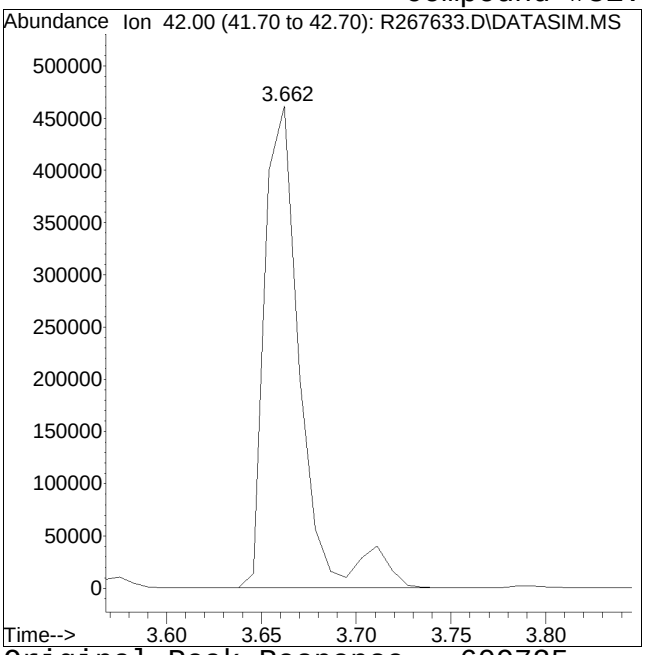
Manual Peak Response = 224772 M6

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

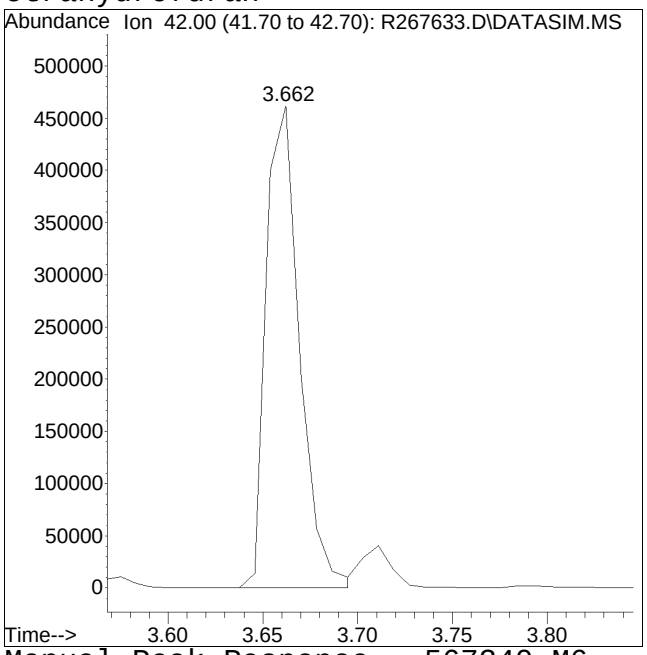
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #31: Tetrahydrofuran



Original Peak Response = 609725



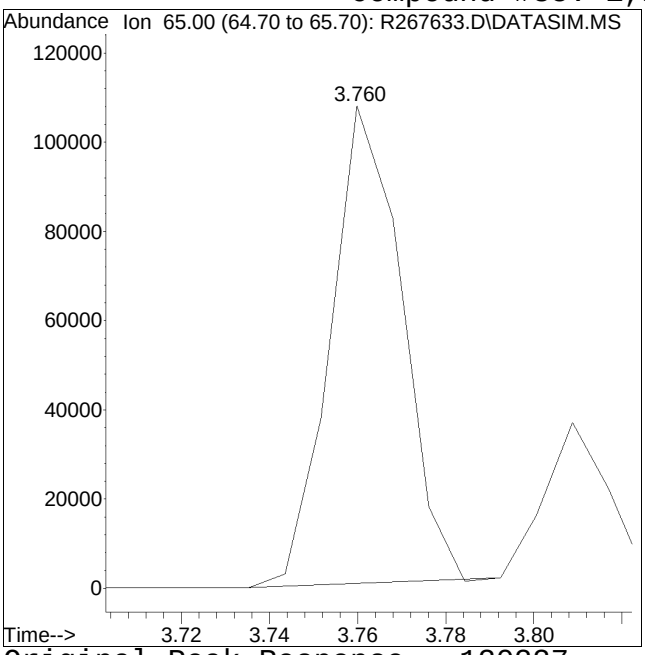
Manual Peak Response = 567340 M6

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

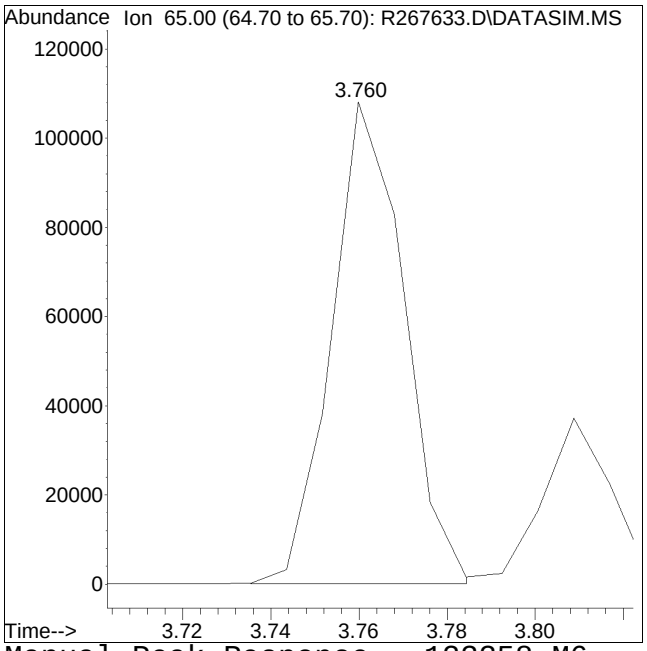
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #35: 1,2-dichloroethane-D4



Original Peak Response = 120227



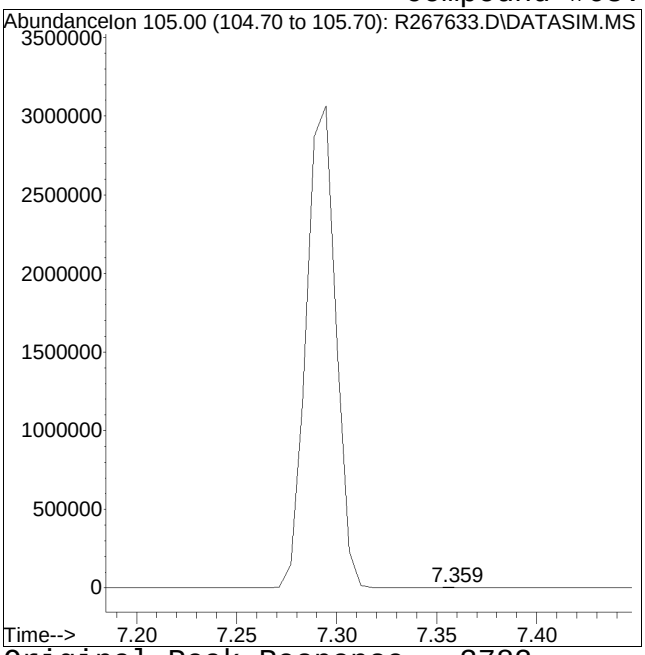
Manual Peak Response = 123358 M6

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

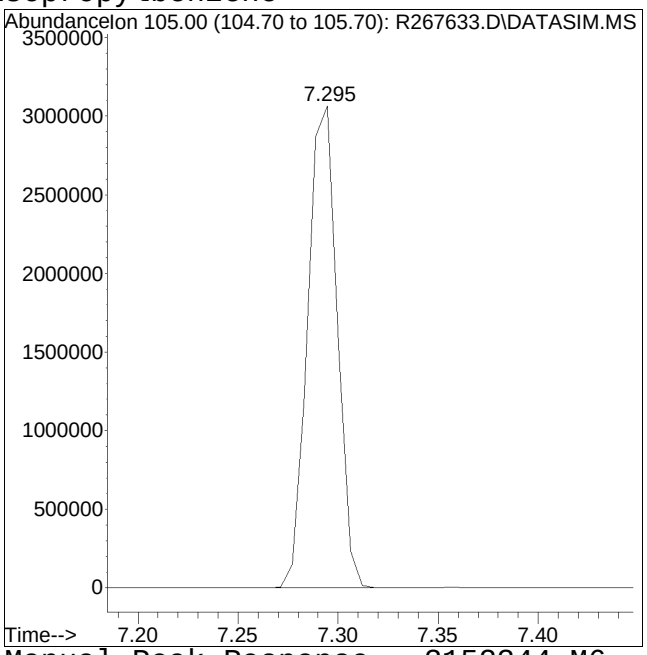
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #68: isopropylbenzene



Original Peak Response = 3782



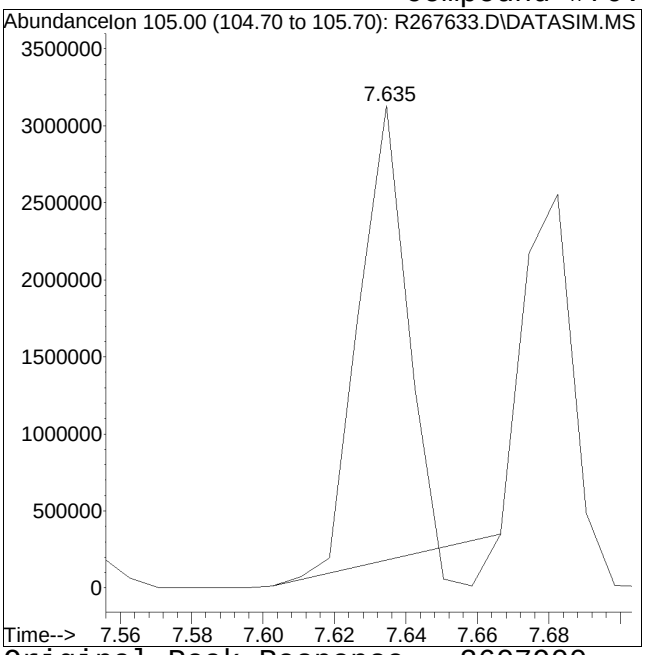
Manual Peak Response = 3152344 M6

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

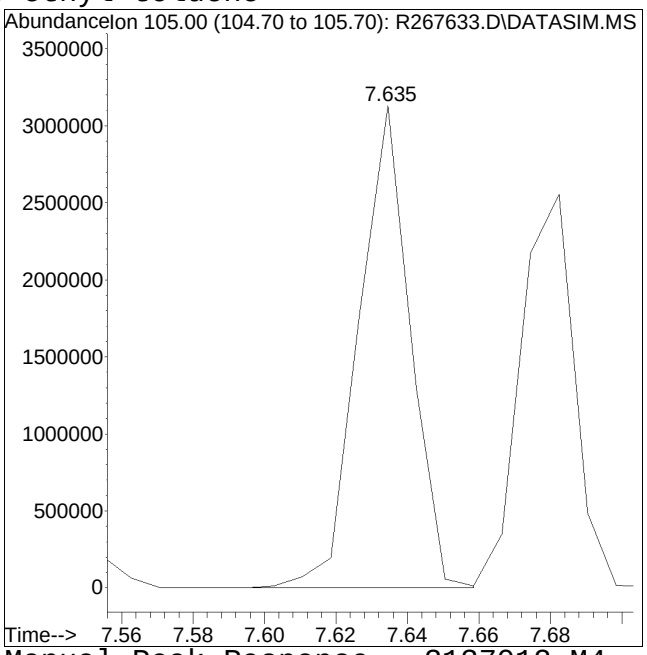
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #70: 4-ethyl toluene



Original Peak Response = 2607900



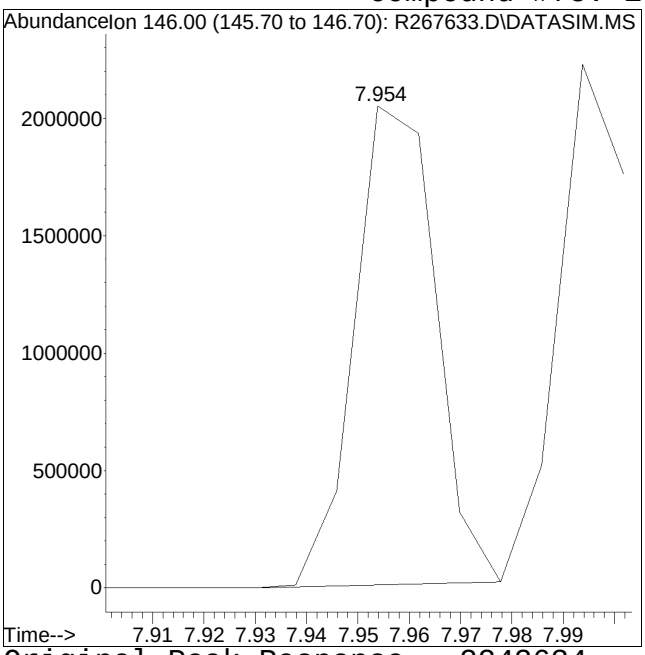
Manual Peak Response = 3137012 M4

M4 = Poor automated baseline construction.

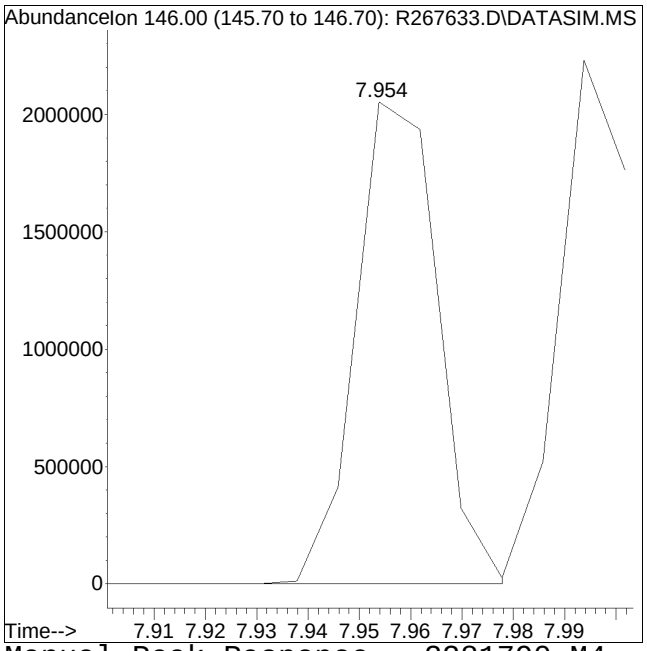
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 2243634



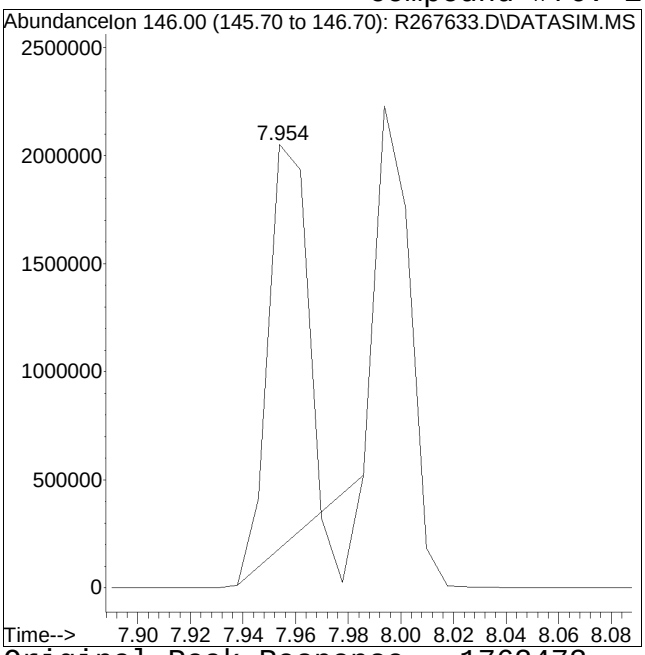
Manual Peak Response = 2281790 M4

M4 = Poor automated baseline construction.

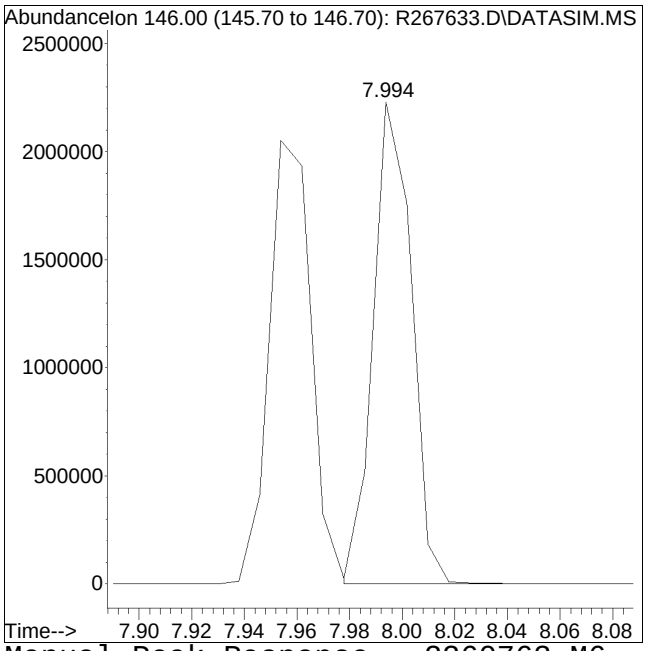
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267633.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 2:05 am Instrument : Airlab26
Sample : ITO15-LLSTD050 Quant Date : 1/8/2026 6:25 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 1762473



Manual Peak Response = 2260763 M6

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	68	0.00
2		propylene	0.666	0.678	-1.8	72	0.00
3		dichlorodifluoromethane	2.068	2.277	-10.1	75	0.00
4	C	chloromethane	0.716	0.732	-2.2	70	0.00
5		Freon-114	2.291	2.453	-7.1	74	0.00
6	C	vinyl chloride	0.895	0.927	-3.6	74	0.00
7	C	1,3-butadiene	0.577	0.578	-0.2	75	0.00
8	C	bromomethane	0.855	0.943	-10.3	80	0.00
9	C	chloroethane	0.485	0.506	-4.3	73	0.00
10		ethanol	0.349	0.319	8.6	61	0.00
11	C	vinyl bromide	0.826	0.872	-5.6	76	0.00
12	C	acrolein	0.402	0.322	19.9	58#	0.00
13		acetone	0.882	0.939	-6.5	75	0.00
14		trichlorofluoromethane	1.945	2.021	-3.9	73	0.00
15		isopropyl alcohol	1.094	0.934	14.6	71	0.00
16	C	acrylonitrile	0.635	0.584	8.0	63	0.00
17	C	1,1-dichloroethene	1.211	1.295	-6.9	76	0.00
18		tertiary butyl alcohol	1.460	1.344	7.9	67	0.00
19	C	methylene chloride	0.782	0.894	-14.3	75	0.00
20	C	3-chloropropene	0.711	0.762	-7.2	74	0.00
21	C	carbon disulfide	2.151	2.311	-7.4	76	0.00
22		Freon 113	1.759	1.859	-5.7	75	0.00
23		trans-1,2-dichloroethene	1.061	1.080	-1.8	75	0.00
24	C	1,1-dichloroethane	1.434	1.451	-1.2	73	0.00
25	C	MTBE	2.050	2.077	-1.3	76	0.00
26	C	vinyl acetate	1.392	0.990	28.9	49#	0.00
27	C	2-butanone	1.637	1.829	-11.7	78	0.00
28		cis-1,2-dichloroethene	1.191	1.228	-3.1	73	0.00
29		Ethyl Acetate	0.318	0.329	-3.5	85	0.00
30	C	chloroform	1.831	1.921	-4.9	75	0.00
31		Tetrahydrofuran	0.676	0.776	-14.8	80	0.00
32	C	1,2-dichloroethane	1.051	1.065	-1.3	73	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	69	0.00
34	C	hexane	0.390	0.361	7.4	75	0.00
35	s	1,2-dichloroethane-D4	0.218	0.219	-0.5	71	0.00
36	C	1,1,1-trichloroethane	0.530	0.531	-0.2	72	0.00
37	C	benzene	0.877	0.880	-0.3	72	0.00
38	C	carbon tetrachloride	0.505	0.521	-3.2	74	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	0.371	0.381	-2.7	75	0.00
40		Dibromomethane	0.339	0.308	9.1	64	0.00
41	C	1,2-dichloropropane	0.318	0.320	-0.6	73	0.00
42		bromodichloromethane	0.546	0.567	-3.8	77	0.00
43	C	1,4-dioxane	0.174	0.184	-5.7	81	0.00
44	C	trichloroethene	0.418	0.411	1.7	72	0.00
45	C	2,2,4-trimethylpentane	1.112	1.191	-7.1	78	0.00
46		heptane	0.373	0.391	-4.8	76	0.00
47	C	cis-1,3-dichloropropene	0.450	0.564	-25.3	90	0.00
48	C	4-methyl-2-pentanone	0.494	0.525	-6.3	74	0.00
49		trans-1,3-dichloropropene	0.342	0.433	-26.6	92	0.00
50	C	1,1,2-trichloroethane	0.384	0.390	-1.6	73	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	67	0.00
52	C	toluene	7.617	8.123	-6.6	74	0.00
53	s	toluene-D8	5.901	5.956	-0.9	69	0.00
54		2-hexanone	3.472	3.613	-4.1	71	0.00
55		dibromochloromethane	3.922	4.220	-7.6	77	0.00
56	C	1,2-dibromoethane	4.119	4.508	-9.4	78	0.00
57	C	tetrachloroethene	3.549	3.644	-2.7	74	0.00
58		1,1,1,2-tetrachloroethane	3.104	2.933	5.5	64	0.00
59	C	chlorobenzene	6.327	6.619	-4.6	74	0.00
60	C	ethylbenzene	9.752	10.289	-5.5	73	0.00
61	C	m+p-xylene	7.703	8.253	-7.1	75	0.00
62	C	bromoform	3.421	3.829	-11.9	79	0.00
63	C	styrene	5.502	6.423	-16.7	77	0.00
64	C	1,1,2,2-tetrachloroethane	5.941	6.407	-7.8	76	0.00
65	C	o-xylene	7.536	7.917	-5.1	74	0.00
66		1,2,3-Trichloropropane	4.396	4.234	3.7	66	0.00
67	s	bromofluorobenzene	3.583	3.555	0.8	68	0.00
68	C	isopropylbenzene	10.466	10.638	-1.6	66	0.00
69		Bromobenzene	7.104	5.470	23.0	53#	0.00
70		4-ethyl toluene	9.808	10.631	-8.4	73	0.00
71		1,3,5-trimethylbenzene	8.257	9.281	-12.4	78	0.00
72		tert-butylbenzene	8.989	9.305	-3.5	66	0.00
73		1,2,4-trimethylbenzene	8.564	9.840	-14.9	77	0.00
74	C	Benzyl Chloride	6.747	6.380	5.4	62	0.00
75		1,3-dichlorobenzene	6.499	7.154	-10.1	74	0.00
76	C	1,4-dichlorobenzene	6.837	7.302	-6.8	76	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	12.481	12.786	-2.4	63	0.00
78		p-isopropyltoluene	11.211	11.627	-3.7	65	0.00
79		1,2-dichlorobenzene	6.519	6.953	-6.7	75	0.00
80		n-butylbenzene	10.197	11.115	-9.0	66	0.00
81		1,2-dibromo-3-chloropropane	2.864	2.674	6.6	62	0.00
82	C	1,2,4-trichlorobenzene	6.043	7.153	-18.4	79	0.00
83		naphthalene	14.888	13.810	7.2	58#	0.00
84		1,2,3-trichlorobenzene	5.999	6.515	-8.6	62	0.00
85	C	hexachlorobutadiene	3.917	4.960	-26.6	81	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\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.426	49	132899	10.000	ppbV	# 0.00
Standard Area = 196595			Recovery = 67.60%			
33) 1,4-difluorobenzene	4.324	114	453344	10.000	ppbV	# 0.00
Standard Area = 659015			Recovery = 68.79%			
51) chlorobenzene-D5	6.439	54	61179	10.000	ppbV	# 0.00
Standard Area = 91024			Recovery = 67.21%			
System Monitoring Compounds						
35) 1,2-dichloroethane-D4	3.760	65	99414	10.044	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.44%			
53) toluene-D8	5.515	98	364407	10.094	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.94%			
67) bromofluorobenzene	7.208	95	217508	9.921	ppbV	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.21%			
Target Compounds						Qvalue
2) propylene	1.933	41	45053	5.088	ppbV	99
3) dichlorodifluoromethane	1.955	85	151316	5.506	ppbV	100
4) chloromethane	1.999	50	48627M6	5.108	ppbV	
5) Freon-114	2.026	85	162999	5.353	ppbV	100
6) vinyl chloride	2.059	62	61604	5.180	ppbV	100
7) 1,3-butadiene	2.103	54	38416	5.014	ppbV	97
8) bromomethane	2.180	94	62666	5.518	ppbV	99
9) chloroethane	2.230	64	33594	5.208	ppbV	98
10) ethanol	2.257	31	106120	22.908	ppbV	99
11) vinyl bromide	2.329	106	57957	5.278	ppbV	100
12) acrolein	2.363	56	21364M4	3.997	ppbV	
13) acetone	2.397	43	312036	26.629	ppbV	100
14) trichlorofluoromethane	2.454	101	134304	5.195	ppbV	100
15) isopropyl alcohol	2.465	45	155189	10.676	ppbV	100
16) acrylonitrile	2.528	53	38793	4.597	ppbV	100
17) 1,1-dichloroethene	2.629	61	86080	5.347	ppbV	100
18) tertiary butyl alcohol	2.639	59	89308	4.603	ppbV	98
19) methylene chloride	2.663	49	59387	5.712	ppbV	100
20) 3-chloropropene	2.701	41	50617M4	5.358	ppbV	
21) carbon disulfide	2.753	76	153595	5.374	ppbV	95
22) Freon 113	2.753	101	123538	5.285	ppbV	100
23) trans-1,2-dichloroethene	2.971	61	71786	5.092	ppbV	100
24) 1,1-dichloroethane	3.042	63	96446	5.060	ppbV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) MTBE	3.073	73	138027	5.067	ppbV	#	85
26) vinyl acetate	3.108	43	65764M4	3.556	ppbV		
27) 2-butanone	3.197	43	121551	5.588	ppbV		97
28) cis-1,2-dichloroethene	3.366	61	81608	5.155	ppbV		99
29) Ethyl Acetate	3.478	61	21887M6	5.182	ppbV		
30) chloroform	3.493	83	127649	5.246	ppbV	#	100
31) Tetrahydrofuran	3.662	42	51575M6	5.744	ppbV		
32) 1,2-dichloroethane	3.801	62	70766	5.064	ppbV		99
34) hexane	3.471	57	81766	4.625	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	120285	5.007	ppbV	#	15
37) benzene	4.126	78	199550	5.021	ppbV	#	100
38) carbon tetrachloride	4.201	117	118098	5.162	ppbV	#	40
39) cyclohexane	4.258	56	86295	5.125	ppbV	#	1
40) Dibromomethane	4.503	93	69871	4.552	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	72643	5.036	ppbV	#	1
42) bromodichloromethane	4.616	83	128423	5.185	ppbV	#	100
43) 1,4-dioxane	4.654	88	41752	5.292	ppbV	#	1
44) trichloroethene	4.644	130	93236	4.920	ppbV	#	51
45) 2,2,4-trimethylpentane	4.682	57	269940	5.355	ppbV	#	58
46) heptane	4.823	43	88652	5.247	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	127860	6.269	ppbV	#	100
48) 4-methyl-2-pentanone	5.116	43	119011	5.313	ppbV	#	60
49) trans-1,3-dichloropropene	5.348	75	98168	6.334	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	88404	5.074	ppbV	#	1
52) toluene	5.563	91	248487	5.332	ppbV		100
54) 2-hexanone	5.731	43	110518	5.204	ppbV	#	92
55) dibromochloromethane	5.763	129	129082	5.379	ppbV		100
56) 1,2-dibromoethane	5.883	107	137894	5.472	ppbV		99
57) tetrachloroethene	6.130	166	111470	5.133	ppbV		100
58) 1,1,1,2-tetrachloroethane	6.455	131	89722	4.725	ppbV	#	100
59) chlorobenzene	6.461	112	202478	5.231	ppbV		100
60) ethylbenzene	6.663	91	314731	5.275	ppbV		99
61) m+p-xylene	6.756	91	504882	10.714	ppbV		98
62) bromoform	6.756	173	117116	5.596	ppbV		99
63) styrene	6.934	104	196489	5.837	ppbV		100
64) 1,1,2,2-tetrachloroethane	6.975	83	195992	5.393	ppbV		100
65) o-xylene	6.981	91	242184	5.253	ppbV		99
66) 1,2,3-Trichloropropane	7.039	75	129511	4.816	ppbV		99
68) isopropylbenzene	7.289	105	325415	5.082	ppbV		97
69) Bromobenzene	7.301	77	167324M6	3.850	ppbV		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\R267630.D
Sub List : Default - All compounds listed

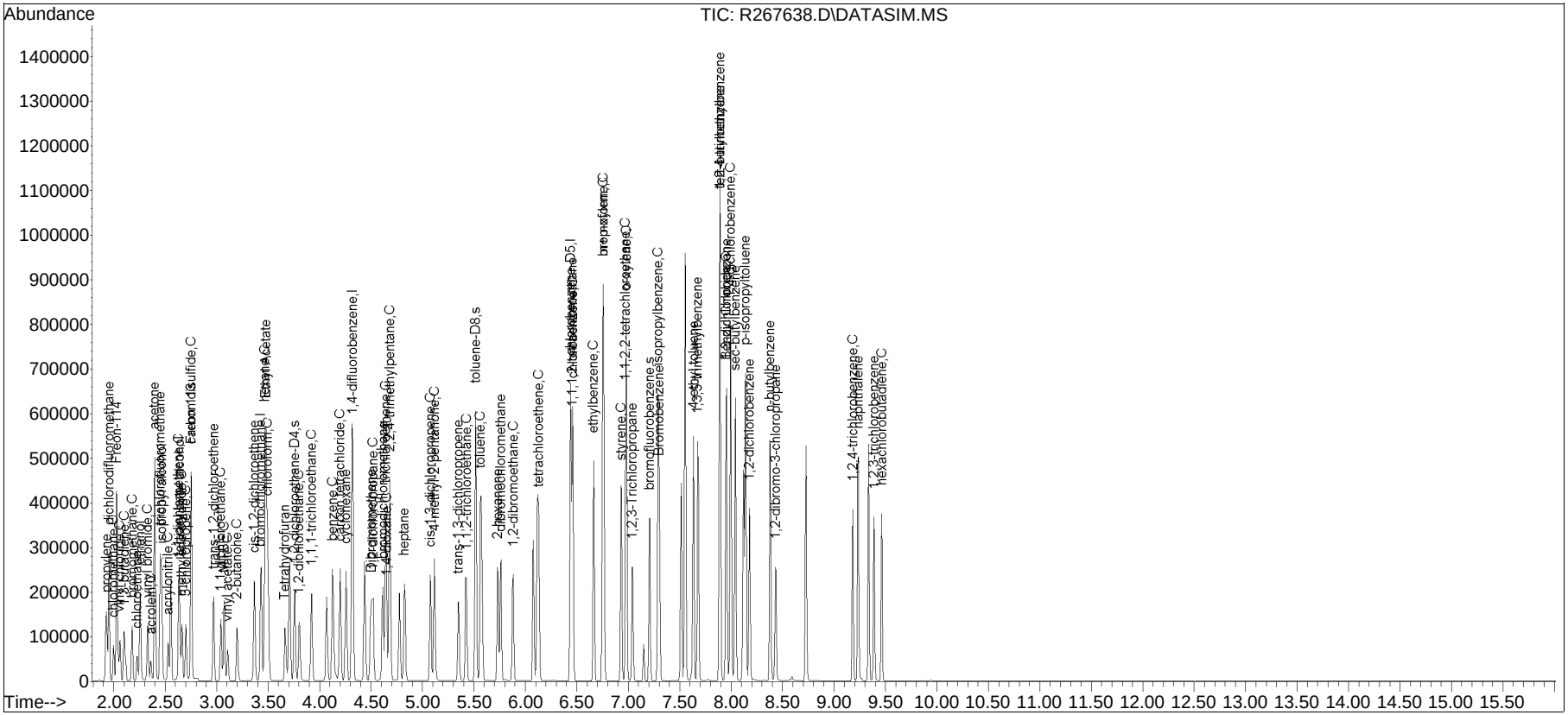
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 4-ethyl toluene	7.635	105	325202M4	5.420	ppbV	
71) 1,3,5-trimethylbenzene	7.675	105	283891	5.620	ppbV	97
72) tert-butylbenzene	7.890	119	284632	5.175	ppbV	100
73) 1,2,4-trimethylbenzene	7.890	105	300990	5.745	ppbV	92
74) Benzyl Chloride	7.954	91	195160M4	4.728	ppbV	
75) 1,3-dichlorobenzene	7.954	146	218830M6	5.504	ppbV	
76) 1,4-dichlorobenzene	7.994	146	223361M6	5.340	ppbV	
77) sec-butylbenzene	8.042	105	391123	5.122	ppbV	100
78) p-isopropyltoluene	8.138	119	355669	5.185	ppbV	99
79) 1,2-dichlorobenzene	8.178	146	212678	5.332	ppbV	98
80) n-butylbenzene	8.377	91	339997	5.450	ppbV	98
81) 1,2-dibromo-3-chloropr...	8.433	75	81804	4.669	ppbV	99
82) 1,2,4-trichlorobenzene	9.183	180	218796	5.918	ppbV	99
83) naphthalene	9.236	128	422449	4.638	ppbV	95
84) 1,2,3-trichlorobenzene	9.388	180	199299	5.430	ppbV	100
85) hexachlorobutadiene	9.464	225	151730	6.332	ppbV	99

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

Sub List : Default - All compounds listed1\0107SIM_I\R267630.D

Data Path : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\
Data File : R267638.D
Acq On : 08 Jan 2026 11:44 am
Operator : AIRLAB26:KJD
Sample : CTO15-SIMSTD5.0
Misc : WG2163147
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 09 09:12:11 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\01\0107SIM_I\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

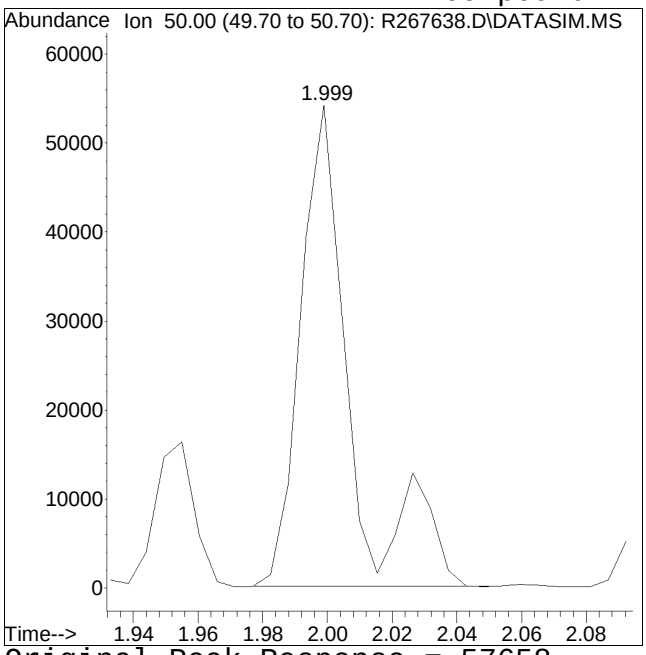


Manual Integration Report

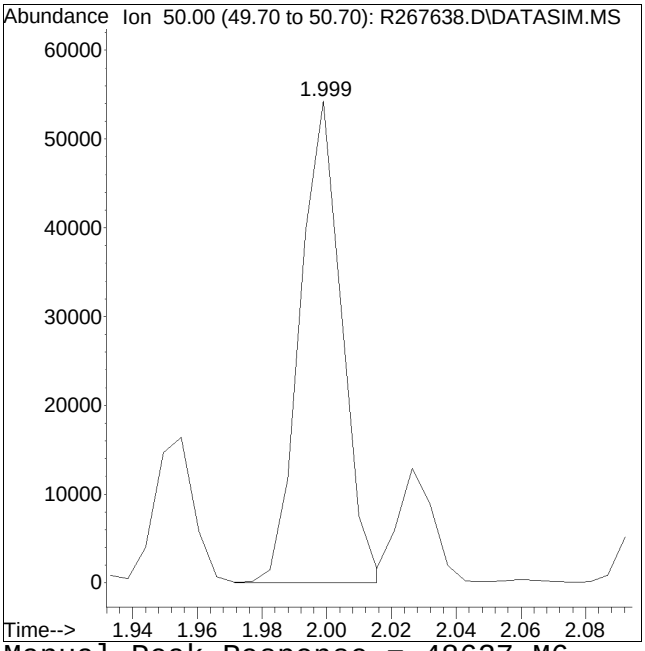
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R267638.D
Date Inj'd : 1/8/2026 11:44 am
Sample : CTO15-SIMSTD5.0

Method : TSIM26_260107.M
Operator : AIRLAB26:KJD
Instrument : Airlab26
Quant Date : 1/9/2026 9:12 am

Compound #4: chloromethane



Original Peak Response = 57658



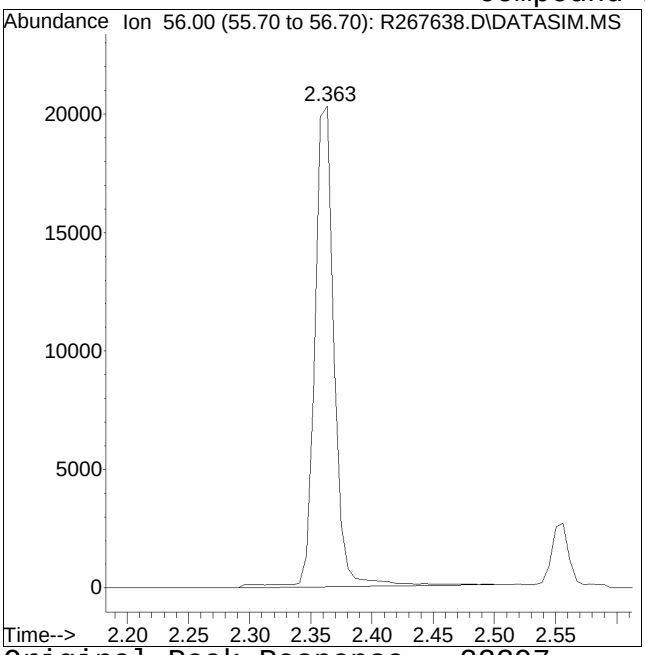
Manual Peak Response = 48627 M6

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

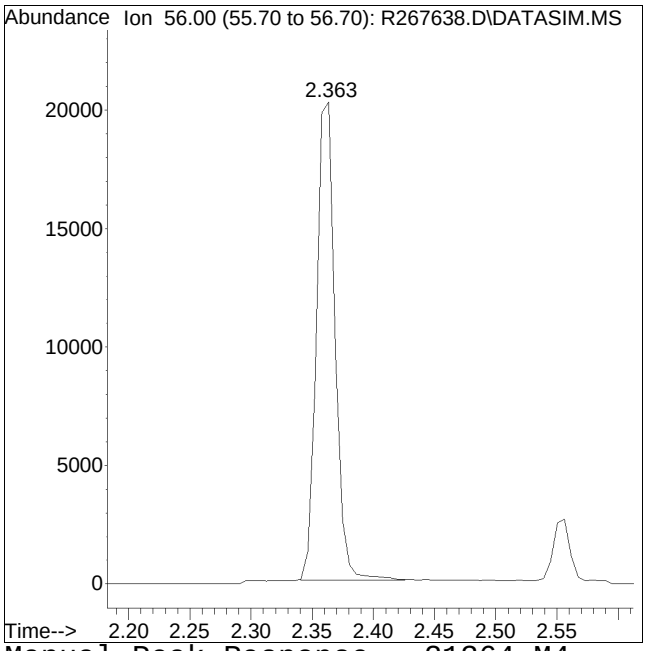
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #12: acrolein



Original Peak Response = 22397



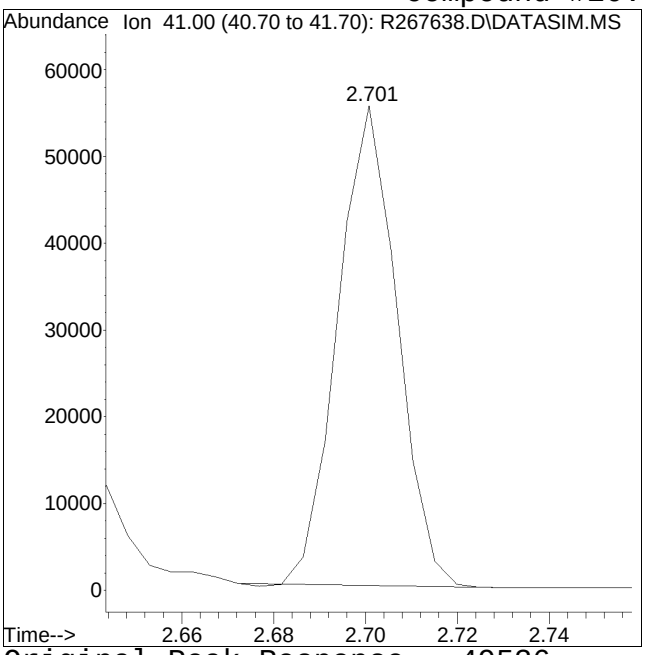
Manual Peak Response = 21364 M4

M4 = Poor automated baseline construction.

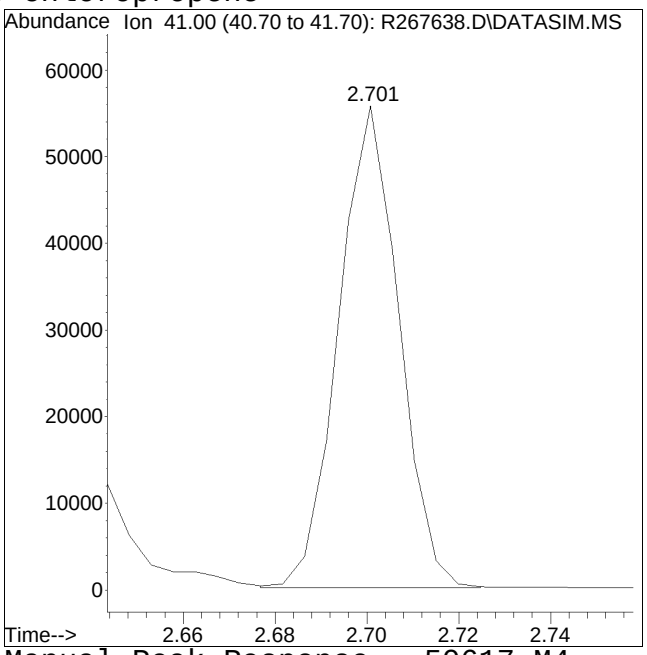
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #20: 3-chloropropene



Original Peak Response = 49536



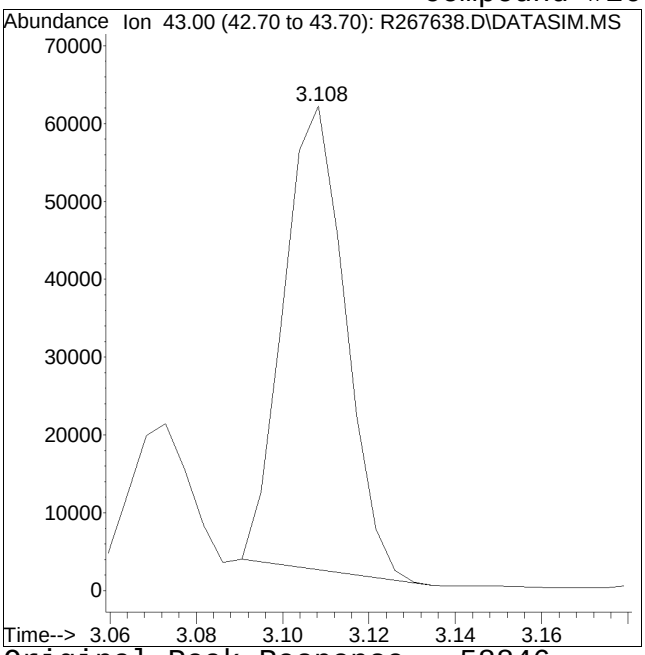
Manual Peak Response = 50617 M4

M4 = Poor automated baseline construction.

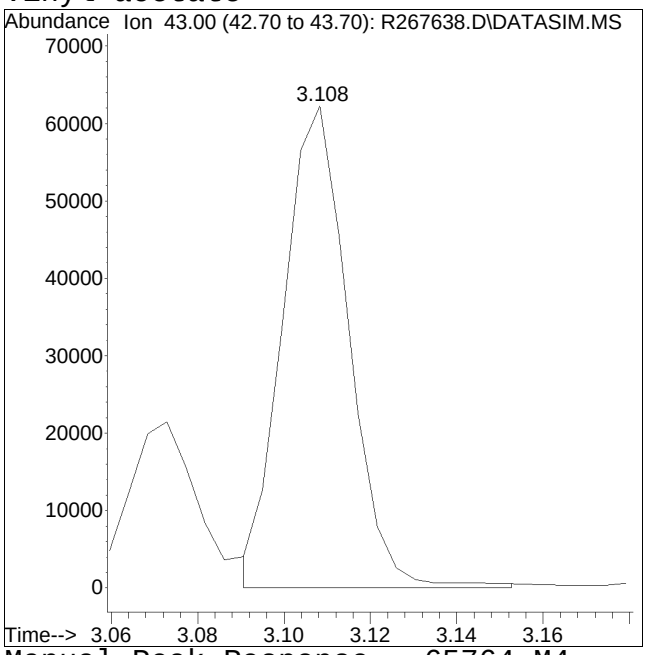
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #26: vinyl acetate



Original Peak Response = 58846



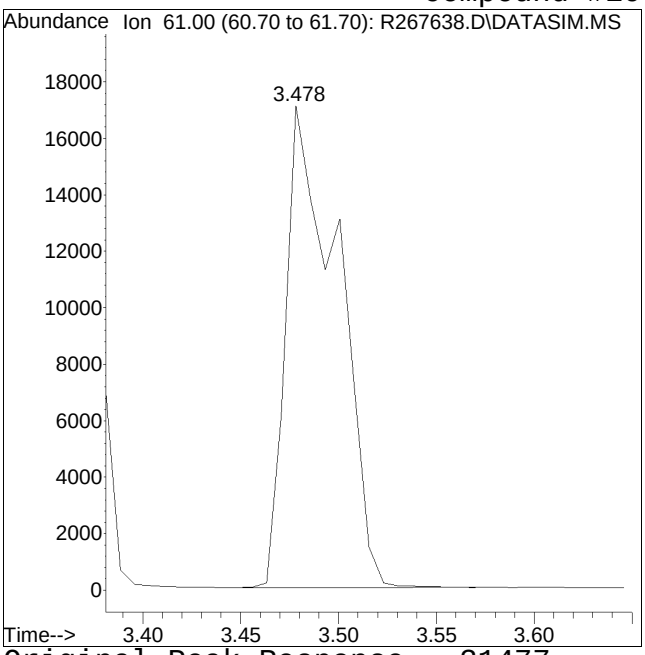
Manual Peak Response = 65764 M4

M4 = Poor automated baseline construction.

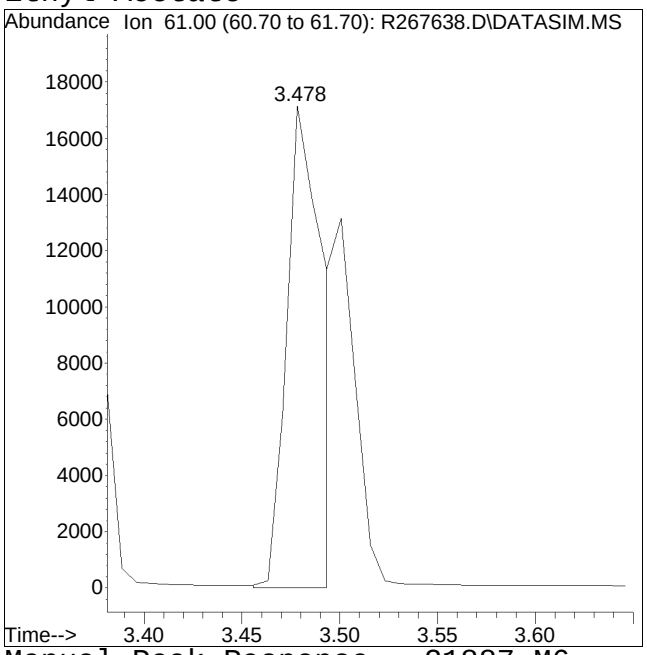
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #29: Ethyl Acetate



Original Peak Response = 31477



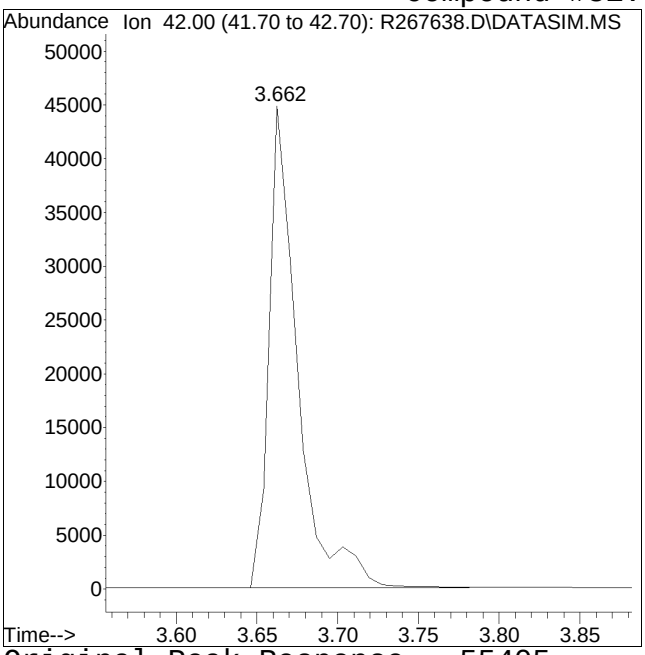
Manual Peak Response = 21887 M6

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

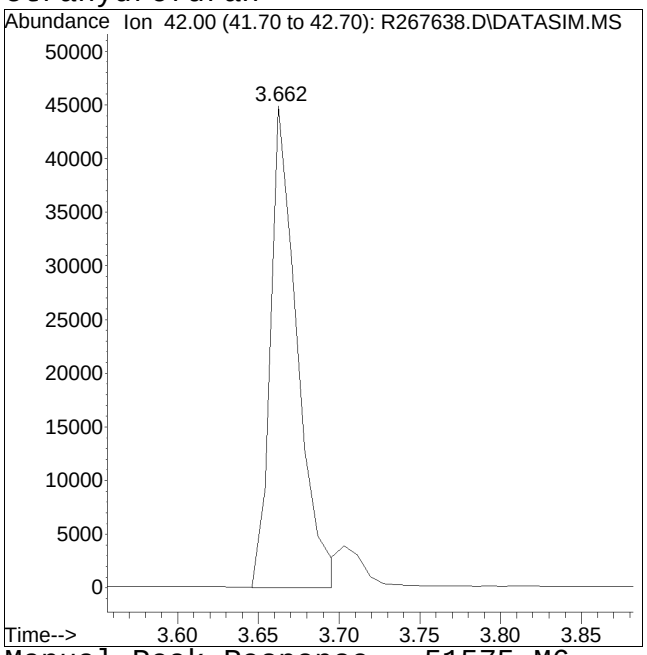
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #31: Tetrahydrofuran



Original Peak Response = 55405



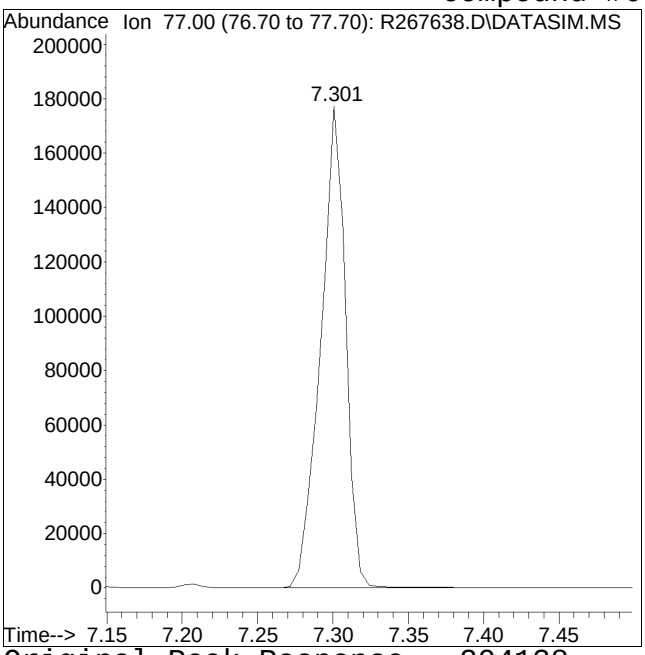
Manual Peak Response = 51575 M6

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

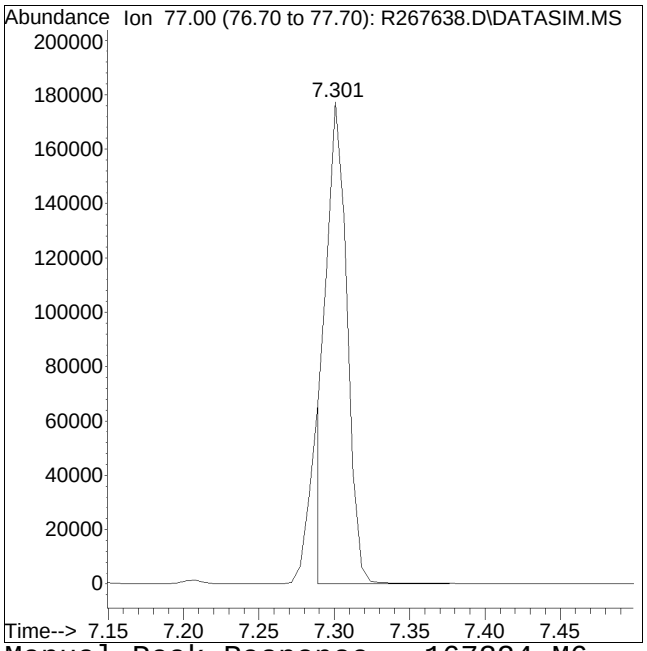
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #69: Bromobenzene



Original Peak Response = 204138



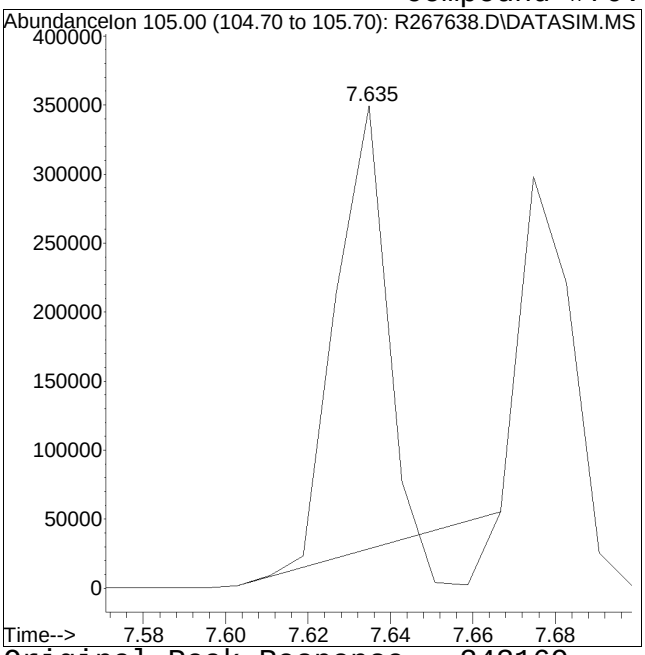
Manual Peak Response = 167324 M6

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

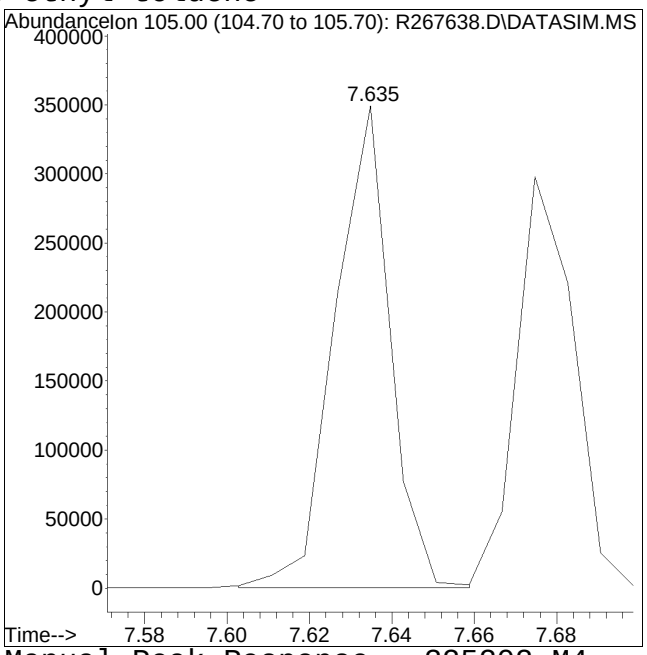
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #70: 4-ethyl toluene



Original Peak Response = 243169



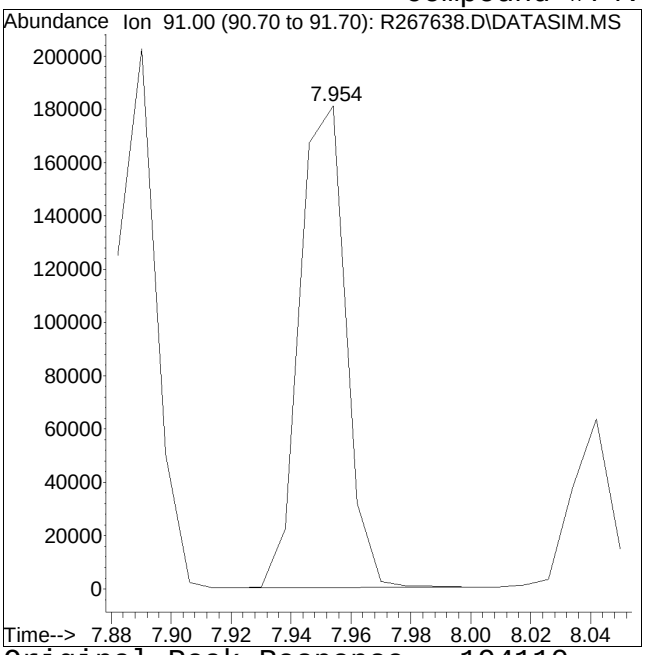
Manual Peak Response = 325202 M4

M4 = Poor automated baseline construction.

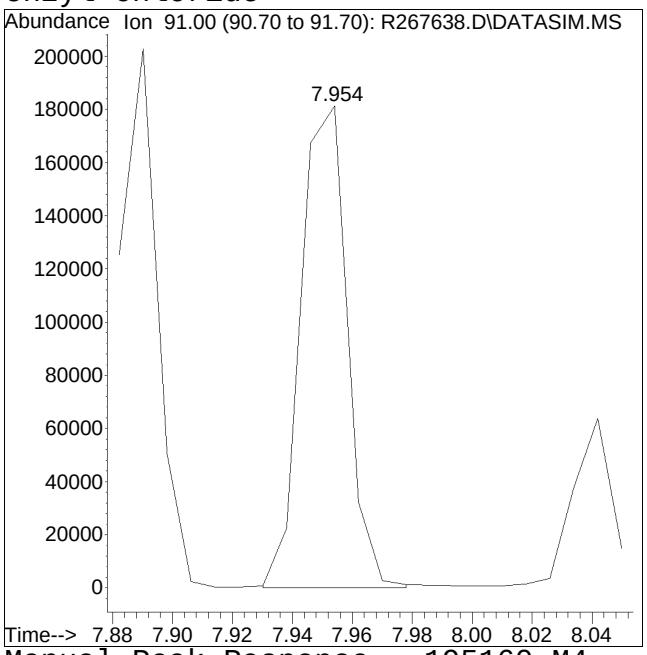
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #74: Benzyl Chloride



Original Peak Response = 194110



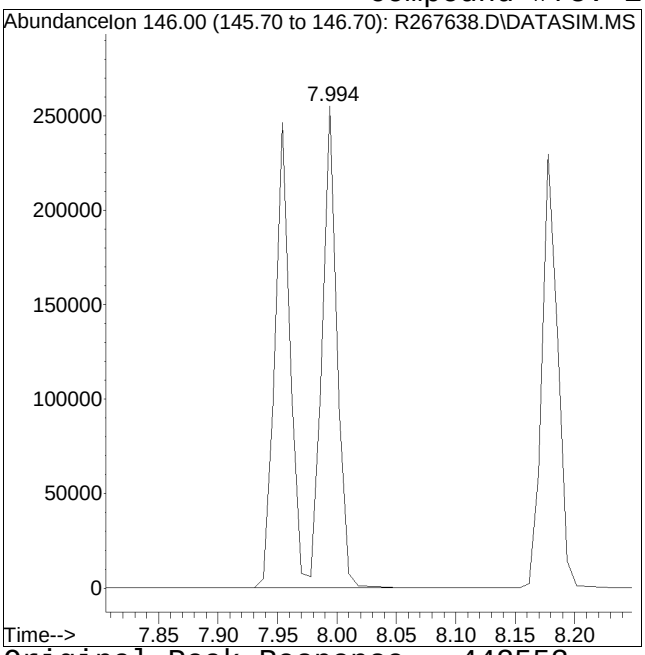
Manual Peak Response = 195160 M4

M4 = Poor automated baseline construction.

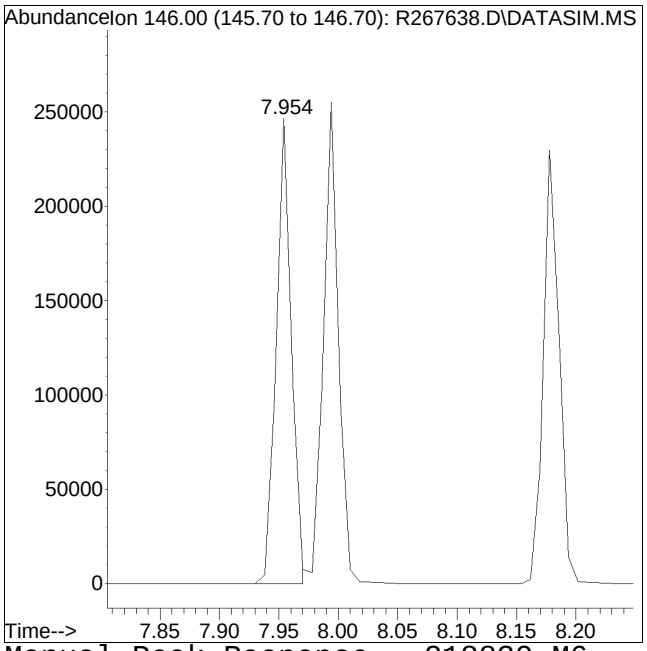
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 442553



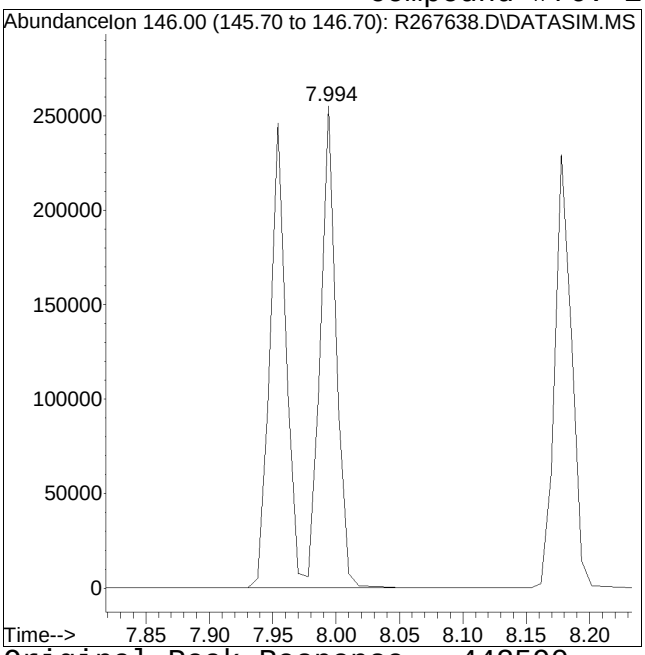
Manual Peak Response = 218830 M6

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

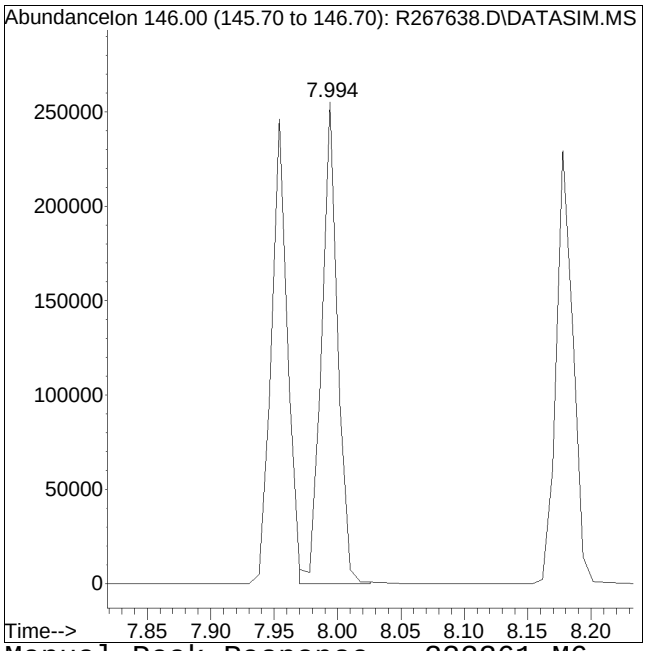
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R267638.D Operator : AIRLAB26:KJD
Date Inj'd : 1/8/2026 11:44 am Instrument : Airlab26
Sample : CTO15-SIMSTD5.0 Quant Date : 1/9/2026 9:12 am

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 442590



Manual Peak Response = 223361 M6

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

Continuing Calibration

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Haley & Aldrich	Lab Number	: L2612752
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-001-001-04
Instrument ID	: AIRLAB26	Calibration Date	: 03/11/26 12:35
Lab File ID	: R268998	Init. Calib. Date(s)	: 01/07/26 01/08/26
Sample No	: WG2184097-2	Init. Calib. Times	: 21:01 02:05
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
bromochloromethane	1	1	-	0	30	85	0
propylene	0.666	0.662	-	0.6	30	89	0
dichlorodifluoromethane	2.068	2.136	-	-3.3	30	89	0
chloromethane	0.716	0.62	-	13.4	30	75	0
Freon-114	2.291	2.228	-	2.7	30	85	0
vinyl chloride	0.895	0.819	-	8.5	30	83	0
1,3-butadiene	0.577	0.616	-	-6.8	30	101	0
bromomethane	0.855	1.005	-	-17.5	30	108	0
chloroethane	0.485	0.538	-	-10.9	30	98	0
ethanol	0.349	0.351	-	-0.6	30	84	0
vinyl bromide	0.826	0.952	-	-15.3	30	104	0
acrolein	0.402	0.337	-	16.2	30	77	0
acetone	0.882	1.069	-	-21.2	30	107	0
trichlorofluoromethane	1.945	2.162	-	-11.2	30	99	0
isopropyl alcohol	1.094	1.031	-	5.8	30	98	0
acrylonitrile	0.635	0.58	-	8.7	30	80	0
1,1-dichloroethene	1.211	1.263	-	-4.3	30	94	0
tertiary butyl alcohol	1.46	1.198	-	17.9	30	75	0
methylene chloride	0.782	0.807	-	-3.2	30	85	0
3-chloropropene	0.711	0.768	-	-8	30	94	0
carbon disulfide	2.151	2.31	-	-7.4	30	96	0
Freon 113	1.759	1.842	-	-4.7	30	94	0
trans-1,2-dichloroethene	1.061	1.034	-	2.5	30	91	0
1,1-dichloroethane	1.434	1.512	-	-5.4	30	96	0
MTBE	2.05	2.067	-	-0.8	30	95	0
vinyl acetate	1.392	1.007	-	27.7	30	63	0
2-butanone	1.637	1.648	-	-0.7	30	89	0
cis-1,2-dichloroethene	1.191	1.027	-	13.8	30	77	0
Ethyl Acetate	0.318	0.259	-	18.6	30	85	0
chloroform	1.831	1.691	-	7.6	30	84	0
Tetrahydrofuran	0.676	0.696	-	-3	30	91	0
1,2-dichloroethane	1.051	0.93	-	11.5	30	80	0
1,4-difluorobenzene	1	1	-	0	30	86	0
hexane	0.39	0.355	-	9	30	92	0
1,1,1-trichloroethane	0.53	0.494	-	6.8	30	84	0
benzene	0.877	0.796	-	9.2	30	81	0
carbon tetrachloride	0.505	0.486	-	3.8	30	86	0
cyclohexane	0.371	0.347	-	6.5	30	85	0
Dibromomethane	0.339	0.279	-	17.7	30	73	0
1,2-dichloropropane	0.318	0.278	-	12.6	30	79	0
bromodichloromethane	0.546	0.532	-	2.6	30	90	0
1,4-dioxane	0.174	0.172	-	1.1	30	94	0
trichloroethene	0.418	0.371	-	11.2	30	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Air Volatiles

Client	: Haley & Aldrich	**Lab Number**	: L2612752
Project Name	: 340 MYRTLE AVE	**Project Number**	: 0210873-001-001-04
Instrument ID	: AIRLAB26	**Calibration Date**	: 03/11/26 12:35
Lab File ID	: R268998	**Init. Calib. Date(s)**	: 01/07/26 01/08/26
Sample No	: WG2184097-2	**Init. Calib. Times**	: 21:01 02:05
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2,2,4-trimethylpentane	1.112	1.114	-	-0.2	30	92	0
heptane	0.373	0.362	-	2.9	30	88	0
cis-1,3-dichloropropene	0.45	0.466	-	-3.6	30	93	0
4-methyl-2-pentanone	0.494	0.463	-	6.3	30	82	0
trans-1,3-dichloropropene	0.342	0.355	-	-3.8	30	94	0
1,1,2-trichloroethane	0.384	0.346	-	9.9	30	81	0
chlorobenzene-D5	1	1	-	0	30	82	0
toluene	7.617	7.384	-	3.1	30	82	0
2-hexanone	3.472	3.233	-	6.9	30	78	0
dibromochloromethane	3.922	4.22	-	-7.6	30	94	0
1,2-dibromoethane	4.119	3.968	-	3.7	30	84	0
tetrachloroethene	3.549	3.389	-	4.5	30	84	0
1,1,1,2-tetrachloroethane	3.104	2.705	-	12.9	30	73	0
chlorobenzene	6.327	5.9	-	6.7	30	81	0
ethylbenzene	9.752	8.857	-	9.2	30	77	0
m+p-xylene	7.703	7.311	-	5.1	30	81	0
bromoform	3.421	3.793	-	-10.9	30	95	0
styrene	5.502	5.41	-	1.7	30	79	0
1,1,2,2-tetrachloroethane	5.941	5.371	-	9.6	30	78	0
o-xylene	7.536	6.983	-	7.3	30	80	0
1,2,3-Trichloropropane	4.396	3.785	-	13.9	30	72	0
isopropylbenzene	10.466	9.811	-	6.3	30	74	0
Bromobenzene	7.104	5.985	-	15.8	30	72	0
4-ethyl toluene	9.808	10.408	-	-6.1	30	88	0
1,3,5-trimethylbenzene	8.257	8.265	-	-0.1	30	85	0
tert-butylbenzene	8.989	8.743	-	2.7	30	76	0
1,2,4-trimethylbenzene	8.564	8.557	-	0.1	30	82	0
Benzyl Chloride	6.747	5.5	-	18.5	30	65	0
1,3-dichlorobenzene	6.499	6.214	-	4.4	30	79	0
1,4-dichlorobenzene	6.837	6.19	-	9.5	30	79	0
sec-butylbenzene	12.481	11.839	-	5.1	30	72	0
p-isopropyltoluene	11.211	10.885	-	2.9	30	74	0
1,2-dichlorobenzene	6.519	5.862	-	10.1	30	77	0
n-butylbenzene	10.197	10.11	-	0.9	30	73	0
1,2-dibromo-3-chloropropan	2.864	2.229	-	22.2	30	63	0
1,2,4-trichlorobenzene	6.043	4.985	-	17.5	30	67	0
naphthalene	14.888	10.361	-	30.4*	30	53	0
1,2,3-trichlorobenzene	5.999	4.824	-	19.6	30	56	0
hexachlorobutadiene	3.917	3.736	-	4.6	30	74	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	85	0.00
2		propylene	0.666	0.662	0.6	89	0.00
3		dichlorodifluoromethane	2.068	2.136	-3.3	89	0.00
4	C	chloromethane	0.716	0.620	13.4	75	0.00
5		Freon-114	2.291	2.228	2.7	85	0.00
6	C	vinyl chloride	0.895	0.819	8.5	83	0.00
7	C	1,3-butadiene	0.577	0.616	-6.8	101	0.00
8	C	bromomethane	0.855	1.005	-17.5	108	0.00
9	C	chloroethane	0.485	0.538	-10.9	98	0.00
10		ethanol	0.349	0.351	-0.6	84	0.00
11	C	vinyl bromide	0.826	0.952	-15.3	104	0.00
12	C	acrolein	0.402	0.337	16.2	77	0.00
13		acetone	0.882	1.069	-21.2	107	0.00
14		trichlorofluoromethane	1.945	2.162	-11.2	99	0.00
15		isopropyl alcohol	1.094	1.031	5.8	98	0.00
16	C	acrylonitrile	0.635	0.580	8.7	80	0.00
17	C	1,1-dichloroethene	1.211	1.263	-4.3	94	0.00
18		tertiary butyl alcohol	1.460	1.198	17.9	75	0.00
19	C	methylene chloride	0.782	0.807	-3.2	85	0.00
20	C	3-chloropropene	0.711	0.768	-8.0	94	0.00
21	C	carbon disulfide	2.151	2.310	-7.4	96	0.00
22		Freon 113	1.759	1.842	-4.7	94	0.00
23		trans-1,2-dichloroethene	1.061	1.034	2.5	91	0.00
24	C	1,1-dichloroethane	1.434	1.512	-5.4	96	0.00
25	C	MTBE	2.050	2.067	-0.8	95	0.00
26	C	vinyl acetate	1.392	1.007	27.7	63	0.00
27	C	2-butanone	1.637	1.648	-0.7	89	0.00
28		cis-1,2-dichloroethene	1.191	1.027	13.8	77	0.00
29		Ethyl Acetate	0.318	0.259	18.6	85	0.00
30	C	chloroform	1.831	1.691	7.6	84	0.00
31		Tetrahydrofuran	0.676	0.696	-3.0	91	0.00
32	C	1,2-dichloroethane	1.051	0.930	11.5	80	0.00
33	I	1,4-difluorobenzene	1.000	1.000	0.0	86	0.00
34	C	hexane	0.390	0.355	9.0	92	0.00
36	C	1,1,1-trichloroethane	0.530	0.494	6.8	84	0.00
37	C	benzene	0.877	0.796	9.2	81	0.00
38	C	carbon tetrachloride	0.505	0.486	3.8	86	0.00
39		cyclohexane	0.371	0.347	6.5	85	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	0.339	0.279	17.7	73	0.00
41	C	1,2-dichloropropane	0.318	0.278	12.6	79	0.00
42		bromodichloromethane	0.546	0.532	2.6	90	0.00
43	C	1,4-dioxane	0.174	0.172	1.1	94	0.00
44	C	trichloroethene	0.418	0.371	11.2	81	0.00
45	C	2,2,4-trimethylpentane	1.112	1.114	-0.2	92	0.00
46		heptane	0.373	0.362	2.9	88	0.00
47	C	cis-1,3-dichloropropene	0.450	0.466	-3.6	93	0.00
48	C	4-methyl-2-pentanone	0.494	0.463	6.3	82	0.00
49		trans-1,3-dichloropropene	0.342	0.355	-3.8	94	0.00
50	C	1,1,2-trichloroethane	0.384	0.346	9.9	81	0.00
51	I	chlorobenzene-D5	1.000	1.000	0.0	82	0.00
52	C	toluene	7.617	7.384	3.1	82	0.00
54		2-hexanone	3.472	3.233	6.9	78	0.00
55		dibromochloromethane	3.922	4.220	-7.6	94	0.00
56	C	1,2-dibromoethane	4.119	3.968	3.7	84	0.00
57	C	tetrachloroethene	3.549	3.389	4.5	84	0.00
58		1,1,1,2-tetrachloroethane	3.104	2.705	12.9	73	0.00
59	C	chlorobenzene	6.327	5.900	6.7	81	0.00
60	C	ethylbenzene	9.752	8.857	9.2	77	0.00
61	C	m+p-xylene	7.703	7.311	5.1	81	0.00
62	C	bromoform	3.421	3.793	-10.9	95	0.00
63	C	styrene	5.502	5.410	1.7	79	0.00
64	C	1,1,2,2-tetrachloroethane	5.941	5.371	9.6	78	0.00
65	C	o-xylene	7.536	6.983	7.3	80	0.00
66		1,2,3-Trichloropropane	4.396	3.785	13.9	72	0.00
68	C	isopropylbenzene	10.466	9.811	6.3	74	0.00
69		Bromobenzene	7.104	5.985	15.8	72	0.00
70		4-ethyl toluene	9.808	10.408	-6.1	88	0.00
71		1,3,5-trimethylbenzene	8.257	8.265	-0.1	85	0.00
72		tert-butylbenzene	8.989	8.743	2.7	76	0.00
73		1,2,4-trimethylbenzene	8.564	8.557	0.1	82	0.00
74	C	Benzyl Chloride	6.747	5.500	18.5	65	0.00
75		1,3-dichlorobenzene	6.499	6.214	4.4	79	0.00
76	C	1,4-dichlorobenzene	6.837	6.190	9.5	79	0.00
77		sec-butylbenzene	12.481	11.839	5.1	72	0.00
78		p-isopropyltoluene	11.211	10.885	2.9	74	0.00
79		1,2-dichlorobenzene	6.519	5.862	10.1	77	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	10.197	10.110	0.9	73	0.00
81	1,2-dibromo-3-chloropropane	2.864	2.229	22.2	63	0.00
82 C	1,2,4-trichlorobenzene	6.043	4.985	17.5	67	0.00
83	naphthalene	14.888	10.361	30.4#	53#	0.00
84	1,2,3-trichlorobenzene	5.999	4.824	19.6	56#	0.00
85 C	hexachlorobutadiene	3.917	3.736	4.6	74	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\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	3.433	49	167705M4	10.000	ppbV		0.00
Standard Area = 167705			Recovery = 100.00%				
33) 1,4-difluorobenzene	4.324	114	566312	10.000	ppbV	#	0.00
Standard Area = 566312			Recovery = 100.00%				
51) chlorobenzene-D5	6.439	54	74932	10.000	ppbV	#	0.00
Standard Area = 74932			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
2) propylene	1.933	41	55522	4.969	ppbV		97
3) dichlorodifluoromethane	1.955	85	179140	5.166	ppbV		100
4) chloromethane	1.999	50	51978M6	4.327	ppbV		
5) Freon-114	2.032	85	186802	4.862	ppbV		96
6) vinyl chloride	2.065	62	68677	4.577	ppbV		100
7) 1,3-butadiene	2.103	54	51694	5.347	ppbV		94
8) bromomethane	2.180	94	84269	5.880	ppbV		99
9) chloroethane	2.230	64	45141	5.546	ppbV		97
10) ethanol	2.257	31	147140	25.171	ppbV		98
11) vinyl bromide	2.335	106	79837	5.761	ppbV		100
12) acrolein	2.363	56	28294	4.195	ppbV		98
13) acetone	2.403	43	448323	30.319	ppbV		98
14) trichlorofluoromethane	2.454	101	181276	5.557	ppbV		100
15) isopropyl alcohol	2.471	45	216182	11.785	ppbV		100
16) acrylonitrile	2.533	53	48612	4.565	ppbV		99
17) 1,1-dichloroethene	2.634	61	105932	5.215	ppbV		99
18) tertiary butyl alcohol	2.643	59	100473	4.104	ppbV	#	94
19) methylene chloride	2.667	49	67655M6	5.157	ppbV		
20) 3-chloropropene	2.705	41	64366M4	5.400	ppbV		
21) carbon disulfide	2.758	76	193684	5.370	ppbV	#	91
22) Freon 113	2.758	101	154478	5.237	ppbV		99
23) trans-1,2-dichloroethene	2.971	61	86708	4.874	ppbV		98
24) 1,1-dichloroethane	3.046	63	126788	5.272	ppbV		99
25) MTBE	3.077	73	173307	5.041	ppbV	#	85
26) vinyl acetate	3.113	43	84400M4	3.616	ppbV		
27) 2-butanone	3.201	43	138213	5.035	ppbV		98
28) cis-1,2-dichloroethene	3.366	61	86083	4.309	ppbV		98
29) Ethyl Acetate	3.486	61	21727M6	4.076	ppbV		
30) chloroform	3.493	83	141816	4.618	ppbV	#	100

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : Default-LCS-AP2 - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31) Tetrahydrofuran	3.670	42	58349M6	5.150	ppbV		
32) 1,2-dichloroethane	3.809	62	78015	4.424	ppbV		100
34) hexane	3.471	57	100577	4.554	ppbV	#	100
36) 1,1,1-trichloroethane	3.923	97	139982	4.665	ppbV	#	17
37) benzene	4.126	78	225311	4.539	ppbV	#	100
38) carbon tetrachloride	4.201	117	137657	4.816	ppbV	#	44
39) cyclohexane	4.258	56	98330	4.675	ppbV	#	1
40) Dibromomethane	4.503	93	79017	4.121	ppbV	#	100
41) 1,2-dichloropropane	4.522	63	78622	4.363	ppbV	#	1
42) bromodichloromethane	4.616	83	150659	4.869	ppbV	#	100
43) 1,4-dioxane	4.654	88	48758	4.947	ppbV	#	1
44) trichloroethene	4.644	130	105154	4.442	ppbV	#	52
45) 2,2,4-trimethylpentane	4.682	57	315473	5.010	ppbV	#	58
46) heptane	4.823	43	102413	4.852	ppbV	#	1
47) cis-1,3-dichloropropene	5.076	75	132019	5.182	ppbV	#	100
48) 4-methyl-2-pentanone	5.116	43	131051M4	4.683	ppbV		
49) trans-1,3-dichloropropene	5.348	75	100576	5.195	ppbV	#	100
50) 1,1,2-trichloroethane	5.428	97	97879	4.497	ppbV	#	1
52) toluene	5.563	91	276657	4.847	ppbV		99
54) 2-hexanone	5.731	43	121132	4.657	ppbV	#	91
55) dibromochloromethane	5.763	129	158112	5.380	ppbV		100
56) 1,2-dibromoethane	5.883	107	148656	4.817	ppbV		100
57) tetrachloroethene	6.130	166	126984	4.774	ppbV		99
58) 1,1,1,2-tetrachloroethane	6.455	131	101332	4.357	ppbV	#	100
59) chlorobenzene	6.461	112	221063	4.663	ppbV		99
60) ethylbenzene	6.663	91	331820	4.541	ppbV		99
61) m+p-xylene	6.756	91	547830	9.492	ppbV		99
62) bromoform	6.756	173	142104	5.544	ppbV		99
63) styrene	6.934	104	202708M4	4.917	ppbV		
64) 1,1,2,2-tetrachloroethane	6.975	83	201224	4.520	ppbV		99
65) o-xylene	6.980	91	261638	4.633	ppbV		100
66) 1,2,3-Trichloropropane	7.039	75	141827	4.306	ppbV		99
68) isopropylbenzene	7.289	105	367570	4.687	ppbV		100
69) Bromobenzene	7.301	77	224234	4.212	ppbV	#	23
70) 4-ethyl toluene	7.635	105	389947M4	5.306	ppbV		
71) 1,3,5-trimethylbenzene	7.675	105	309675M4	5.005	ppbV		
72) tert-butylbenzene	7.890	119	327554	4.863	ppbV		99
73) 1,2,4-trimethylbenzene	7.890	105	320614	4.996	ppbV		94
74) Benzyl Chloride	7.954	91	206072	4.076	ppbV		99
75) 1,3-dichlorobenzene	7.954	146	232803M6	4.780	ppbV		

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : Default-LCS-AP2 - All compounds listed

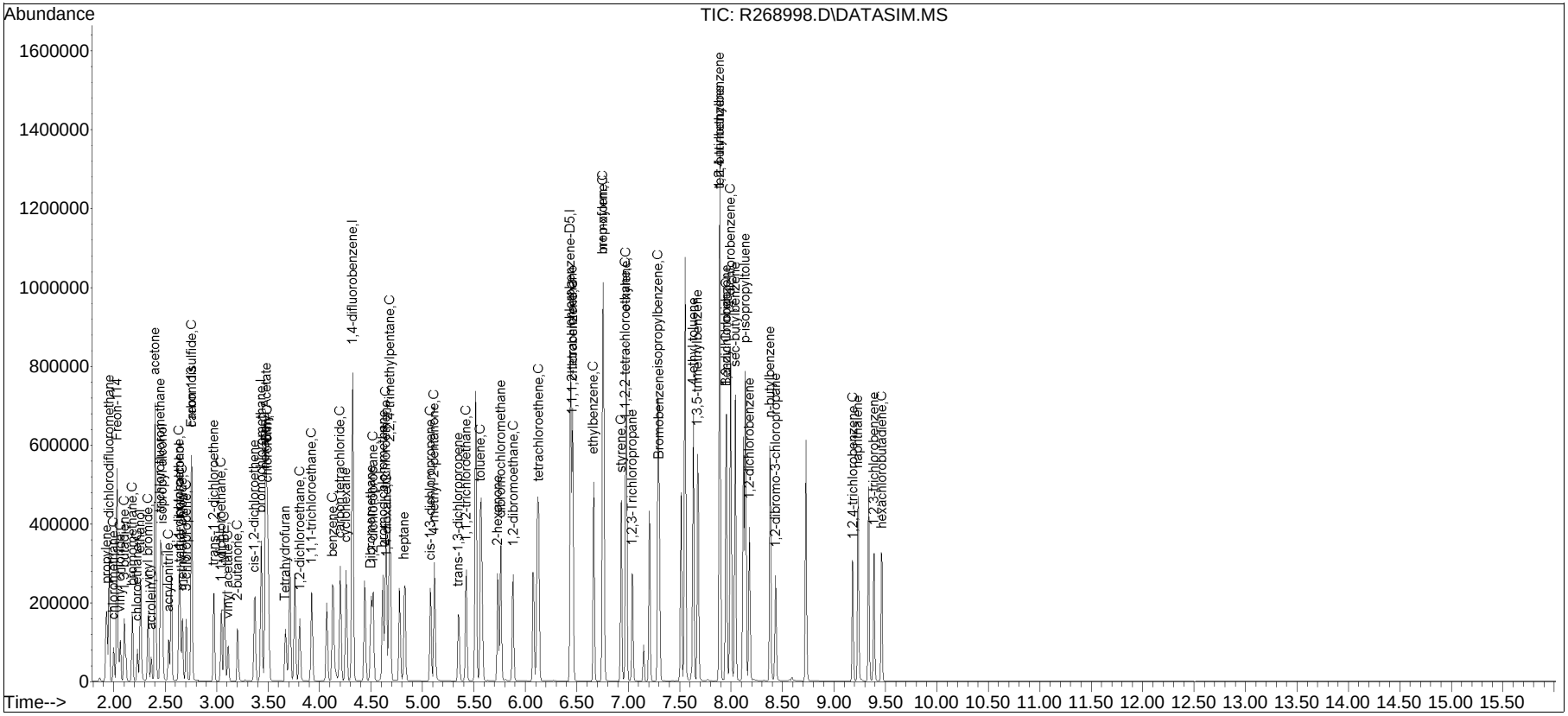
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-dichlorobenzene	7.994	146	231907M6	4.527	ppbV	
77) sec-butylbenzene	8.042	105	443547	4.743	ppbV	97
78) p-isopropyltoluene	8.138	119	407834	4.855	ppbV	99
79) 1,2-dichlorobenzene	8.178	146	219634	4.496	ppbV	97
80) n-butylbenzene	8.377	91	378782	4.958	ppbV	98
81) 1,2-dibromo-3-chloropr...	8.433	75	83530	3.892	ppbV	97
82) 1,2,4-trichlorobenzene	9.185	180	186769	4.125	ppbV	98
83) naphthalene	9.232	128	388188M4	3.480	ppbV	
84) 1,2,3-trichlorobenzene	9.390	180	180743	4.021	ppbV	98
85) hexachlorobutadiene	9.466	225	139962	4.769	ppbV	99

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

Sub List : Default-LCS-AP2 - All compounds listedM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-2,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

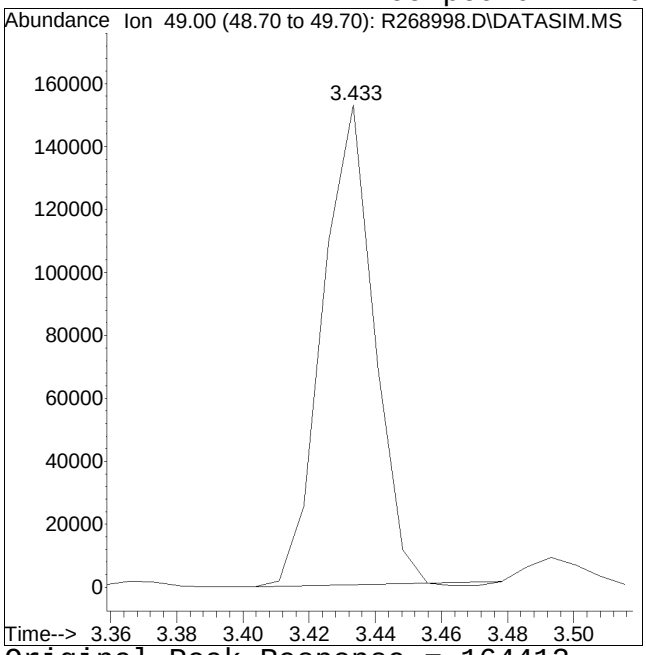
Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration



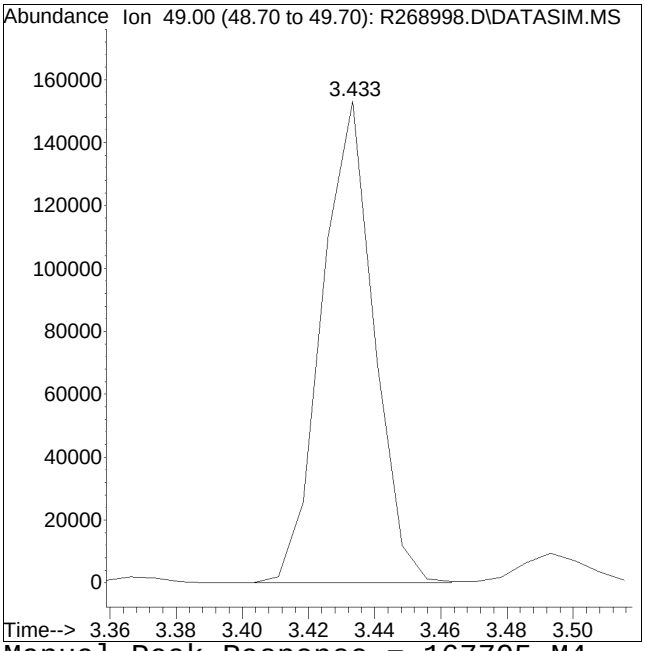
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #1: bromochloromethane



Original Peak Response = 164412



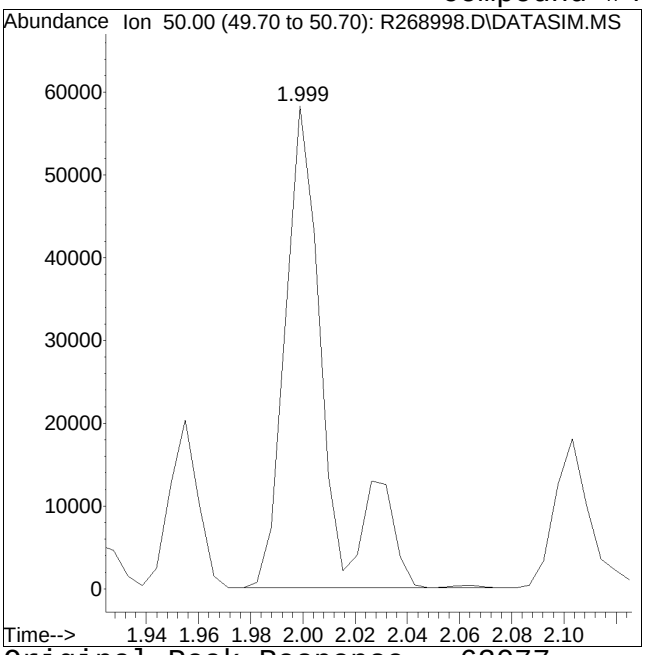
Manual Peak Response = 167705 M4

M4 = Poor automated baseline construction.

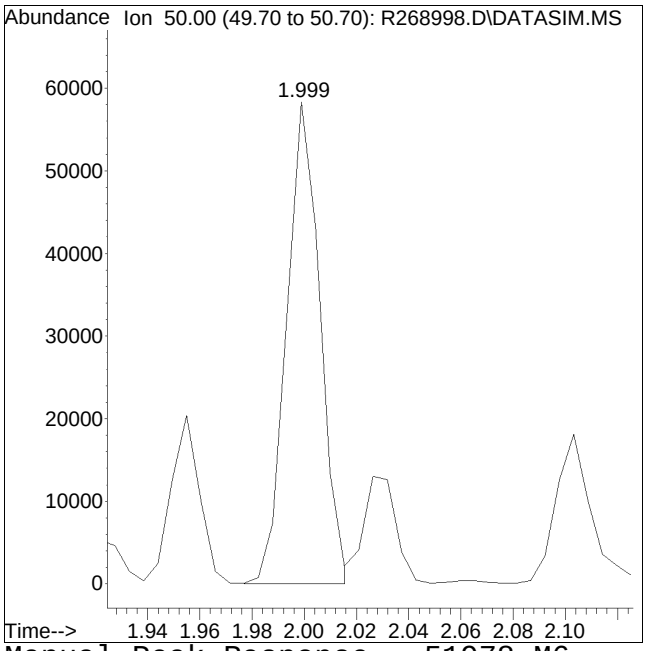
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #4: chloromethane



Original Peak Response = 63077



Manual Peak Response = 51978 M6

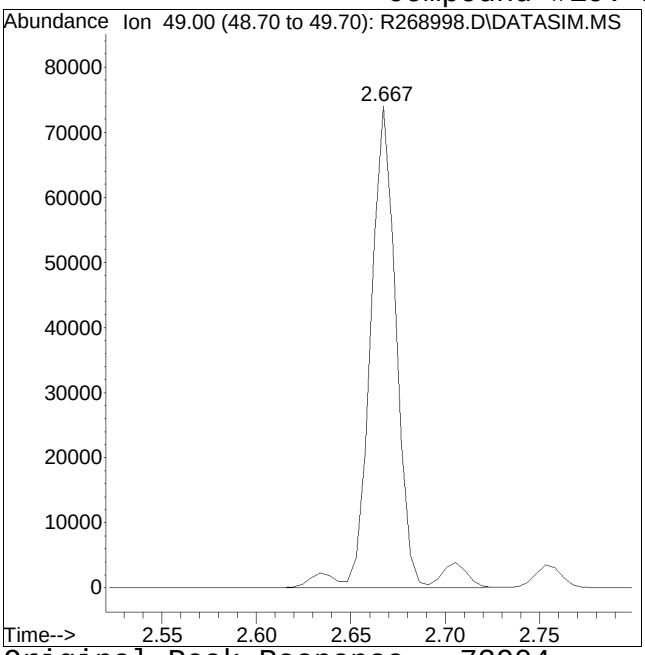
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

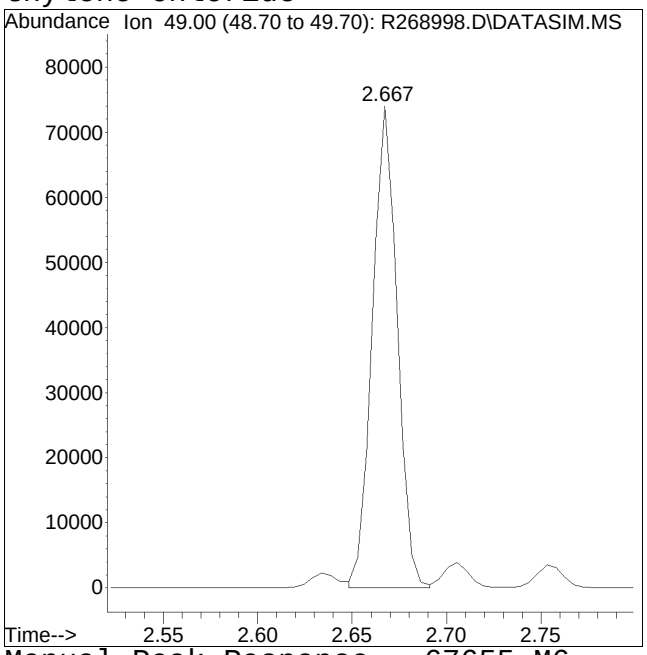
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R268998.D
Date Inj'd : 3/11/2026 12:35 pm
Sample : WG2184097-2,3,250,250

Method : TSIM26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/11/2026 12:56 pm

Compound #19: methylene chloride



Original Peak Response = 73904



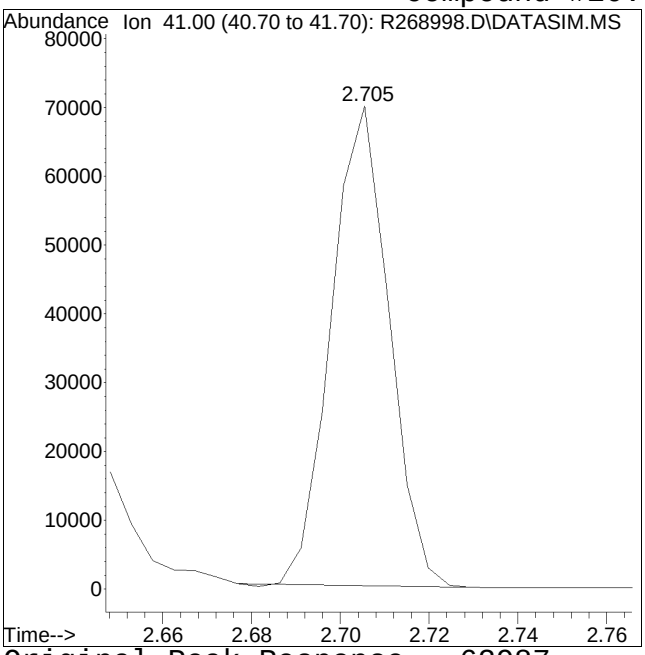
Manual Peak Response = 67655 M6

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

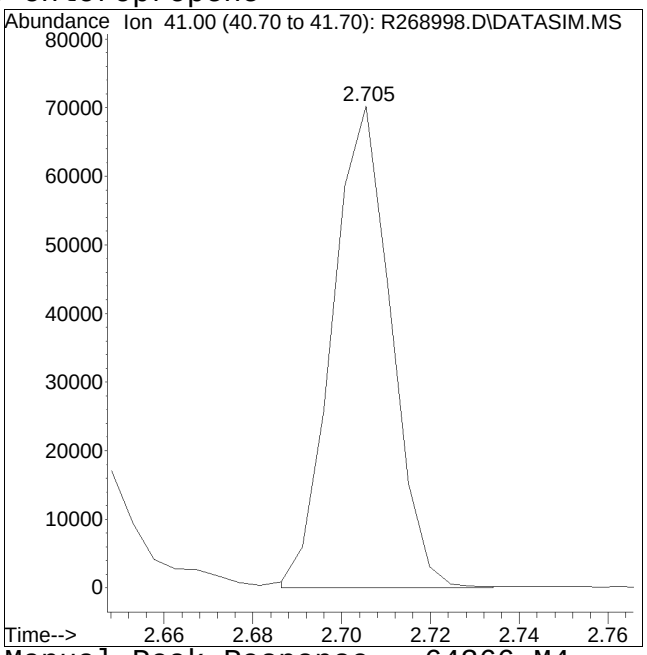
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #20: 3-chloropropene



Original Peak Response = 62987



Manual Peak Response = 64366 M4

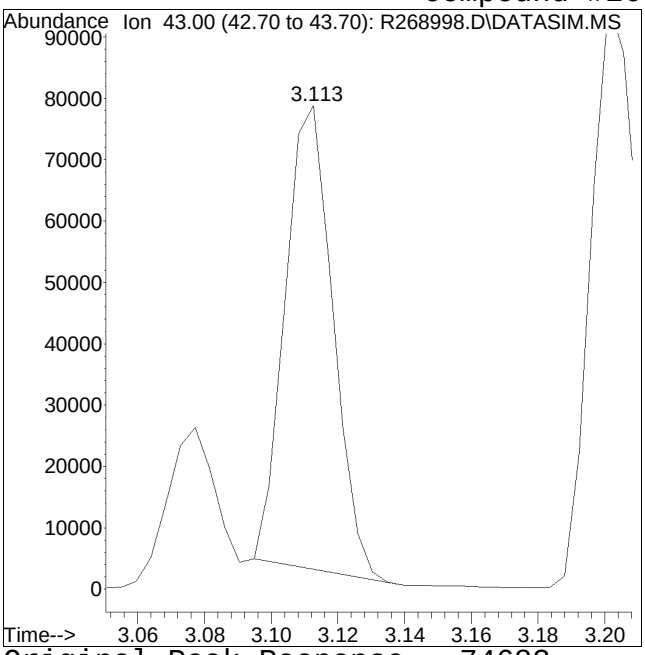
M4 = Poor automated baseline construction.

Manual Integration Report

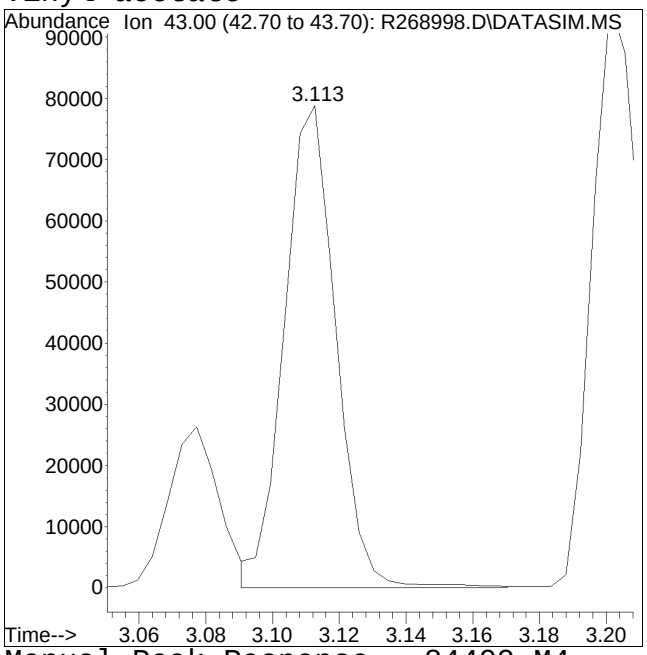
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R268998.D
Date Inj'd : 3/11/2026 12:35 pm
Sample : WG2184097-2,3,250,250

Method : TSIM26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/11/2026 12:56 pm

Compound #26: vinyl acetate



Original Peak Response = 74683



Manual Peak Response = 84400 M4

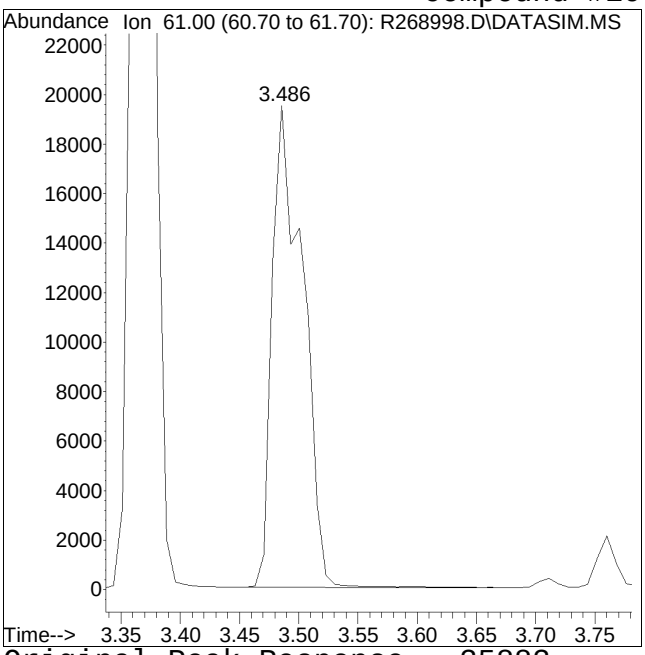
M4 = Poor automated baseline construction.

Manual Integration Report

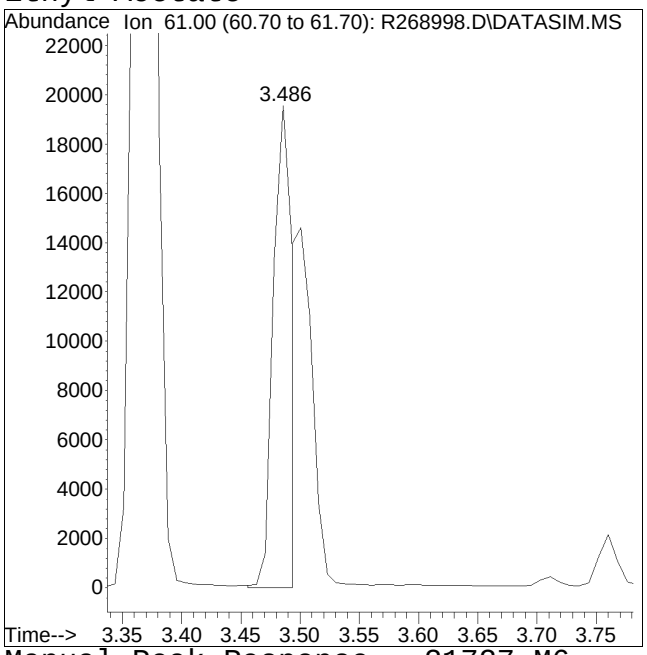
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R268998.D
Date Inj'd : 3/11/2026 12:35 pm
Sample : WG2184097-2,3,250,250

Method : TSIM26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/11/2026 12:56 pm

Compound #29: Ethyl Acetate



Original Peak Response = 35883



Manual Peak Response = 21727 M6

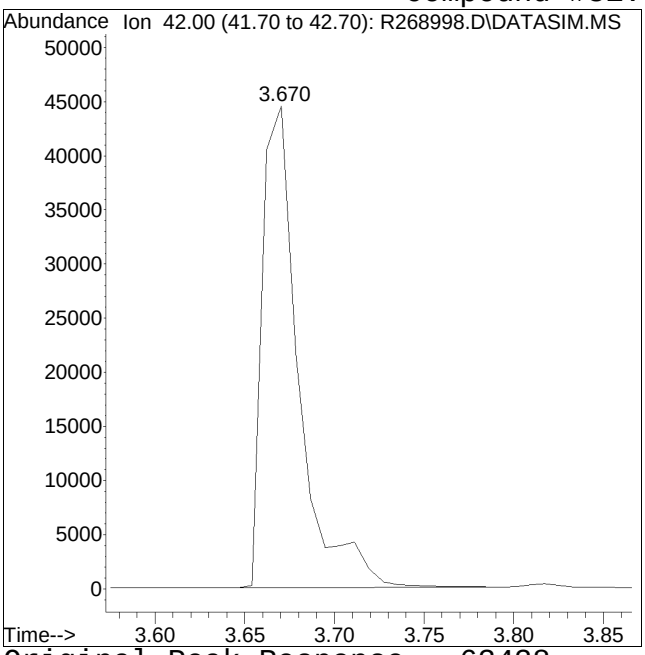
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

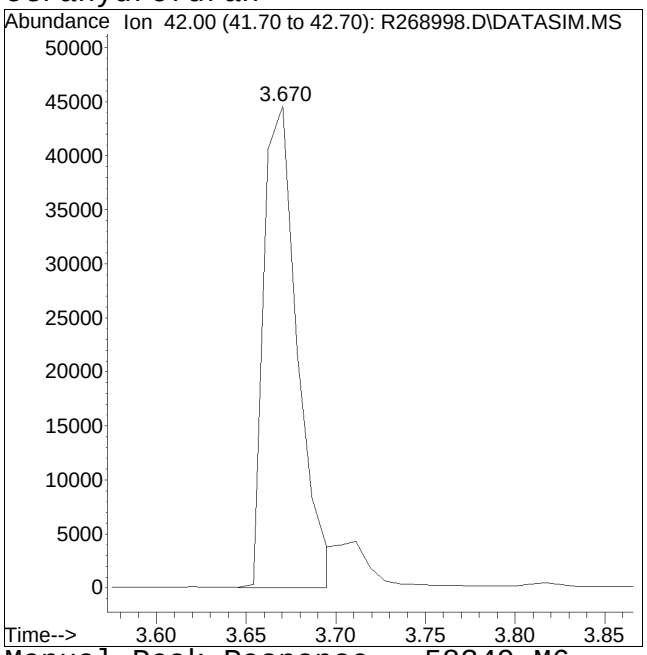
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R268998.D
Date Inj'd : 3/11/2026 12:35 pm
Sample : WG2184097-2,3,250,250

Method : TSIM26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/11/2026 12:56 pm

Compound #31: Tetrahydrofuran



Original Peak Response = 63438



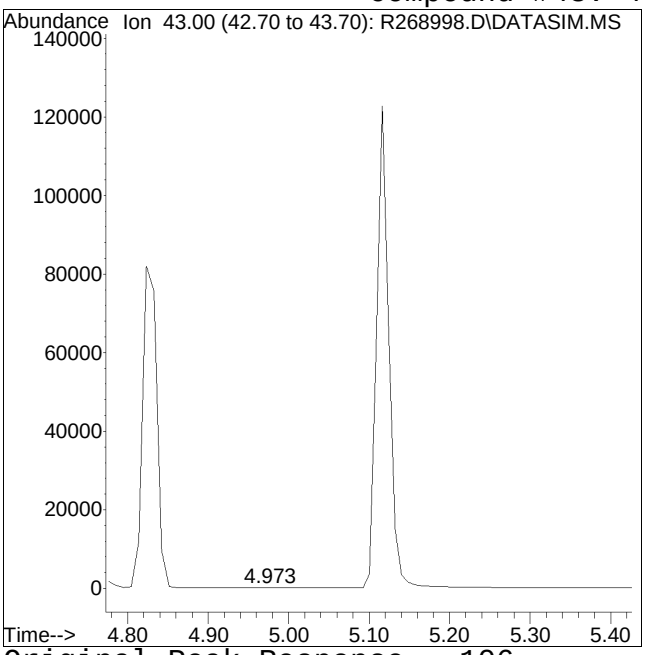
Manual Peak Response = 58349 M6

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

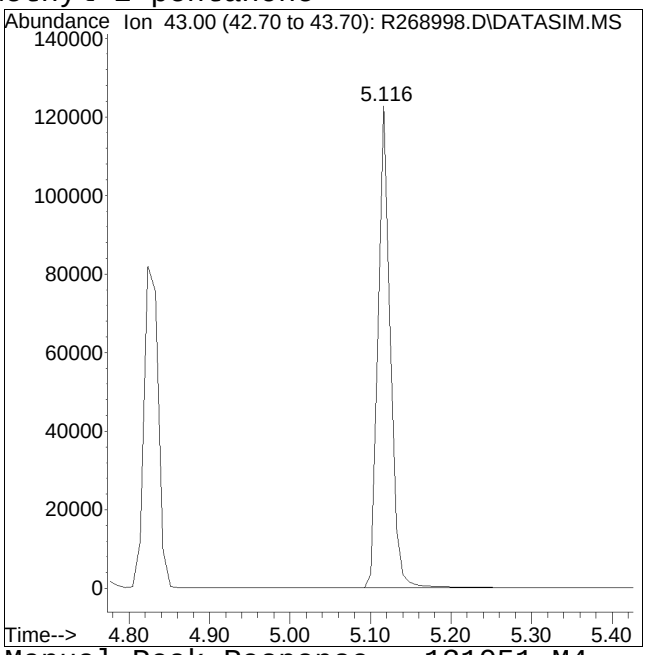
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #48: 4-methyl-2-pentanone



Original Peak Response = 106



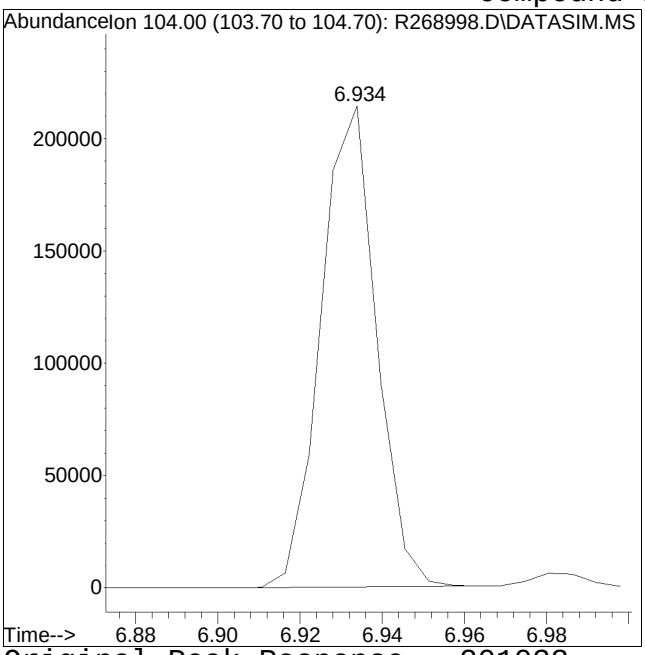
Manual Peak Response = 131051 M4

M4 = Poor automated baseline construction.

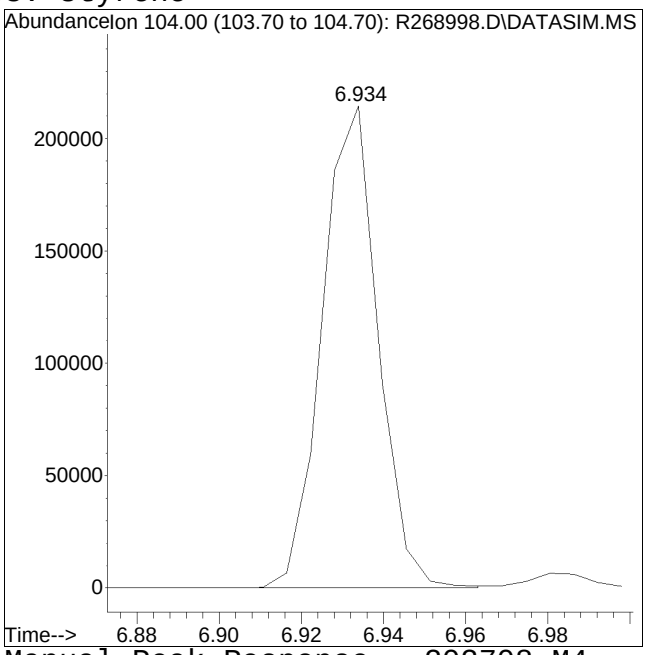
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #63: styrene



Original Peak Response = 201033



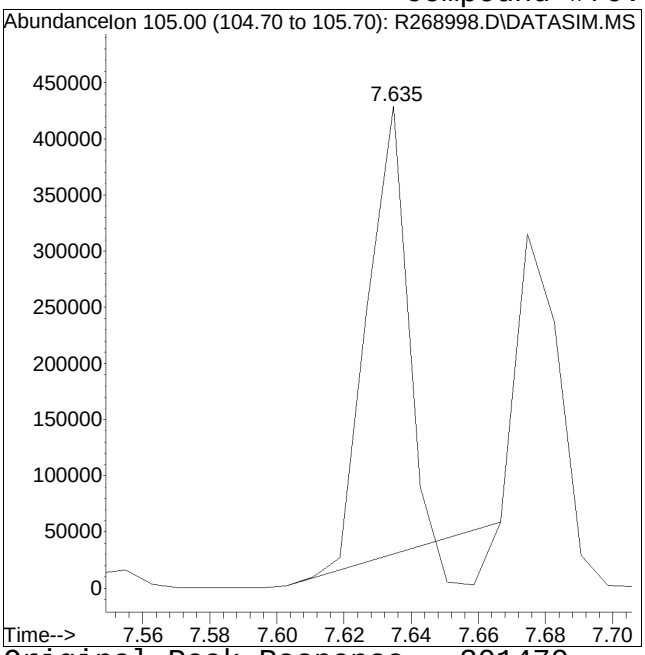
Manual Peak Response = 202708 M4

M4 = Poor automated baseline construction.

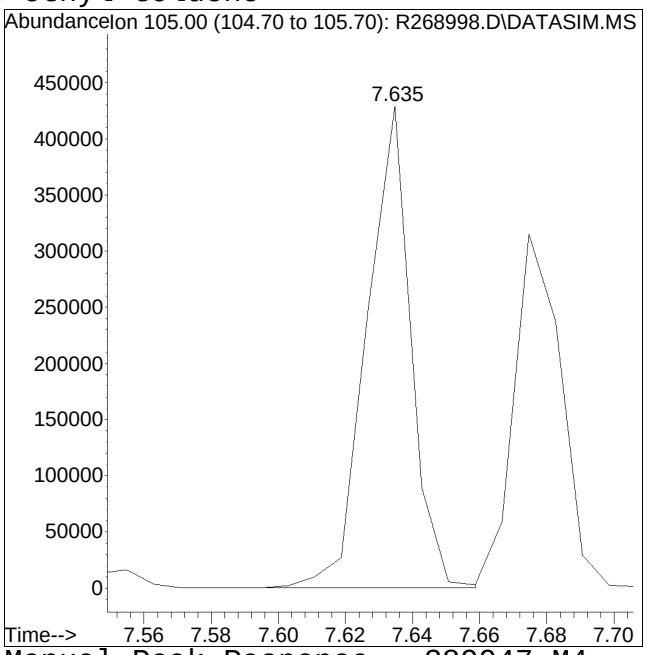
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #70: 4-ethyl toluene



Original Peak Response = 301470



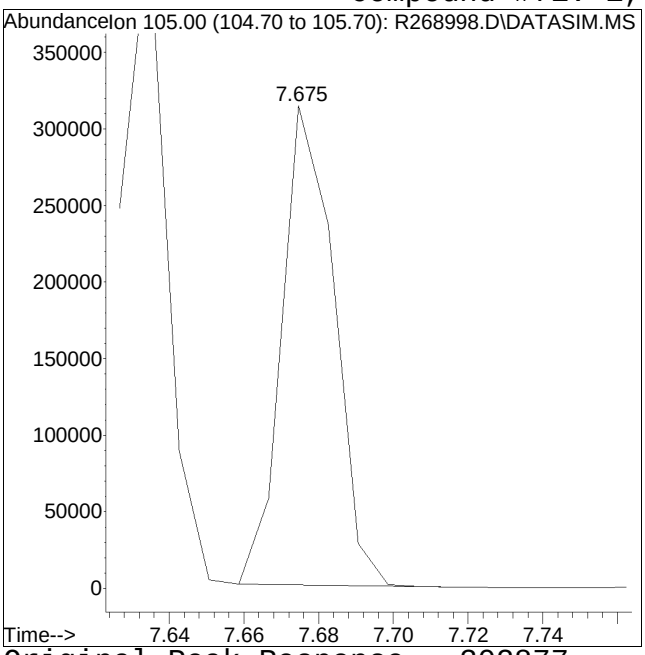
Manual Peak Response = 389947 M4

M4 = Poor automated baseline construction.

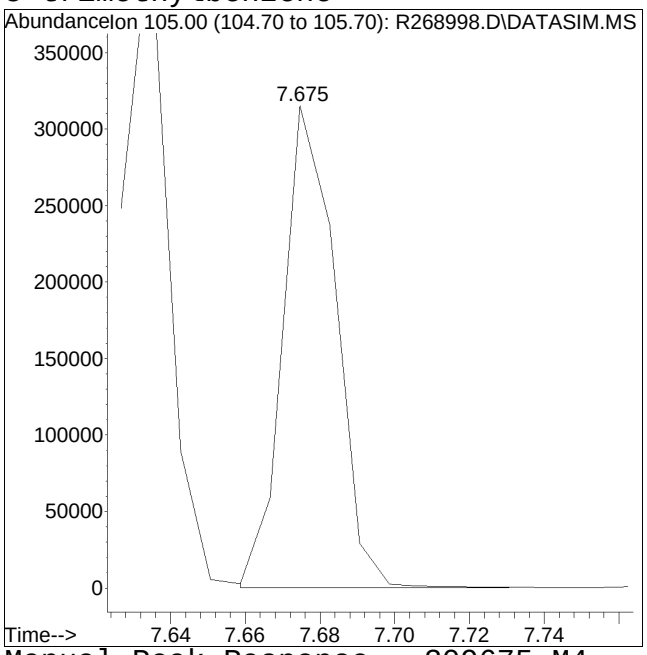
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #71: 1,3,5-trimethylbenzene



Original Peak Response = 302877



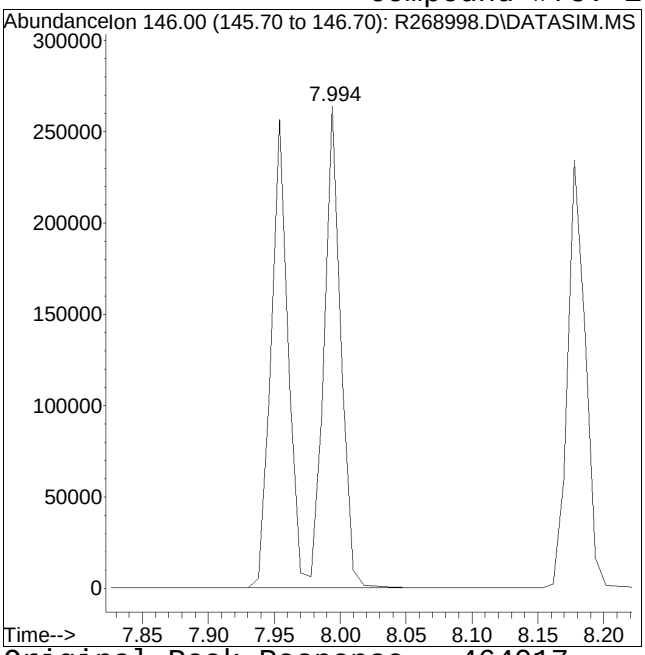
Manual Peak Response = 309675 M4

M4 = Poor automated baseline construction.

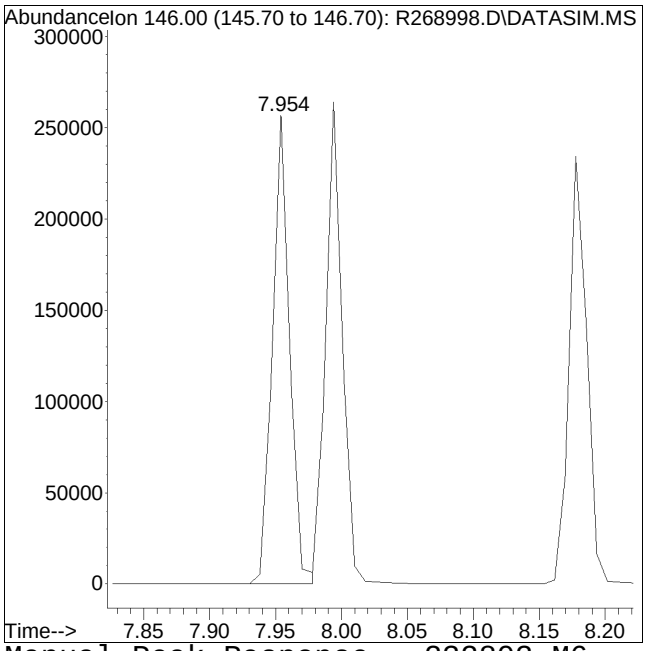
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #75: 1,3-dichlorobenzene



Original Peak Response = 464017



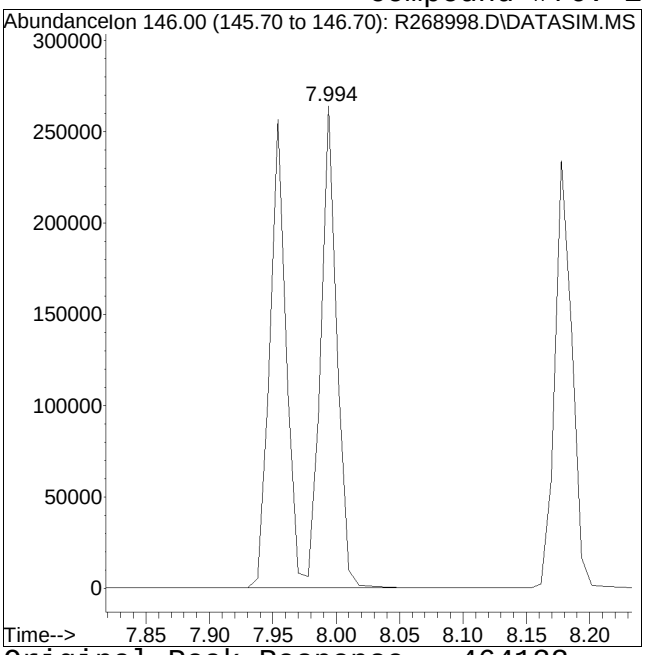
Manual Peak Response = 232803 M6

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

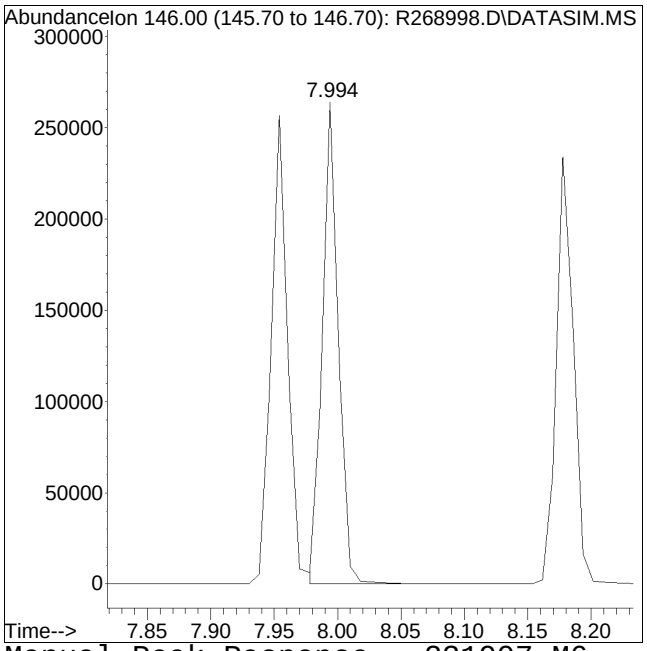
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #76: 1,4-dichlorobenzene



Original Peak Response = 464122



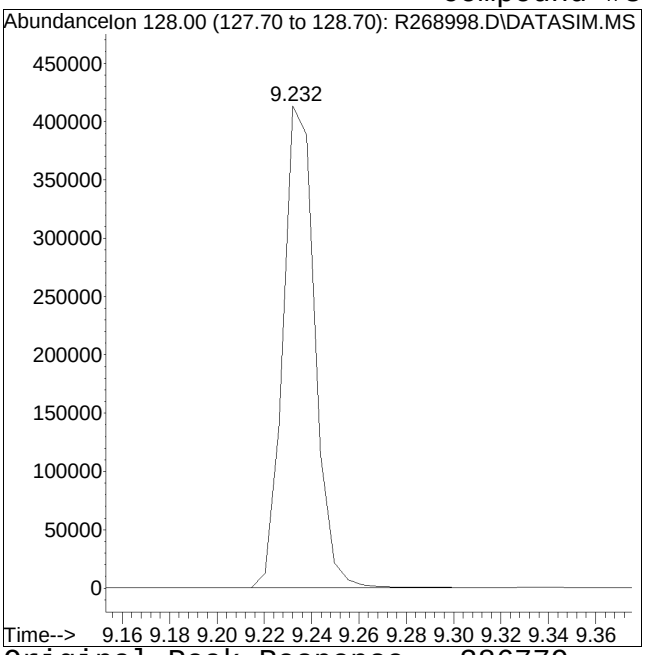
Manual Peak Response = 231907 M6

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

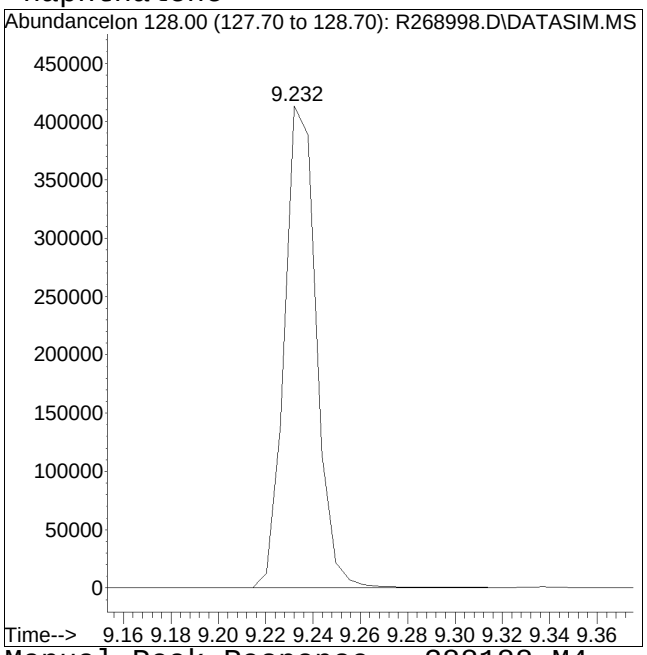
Manual Integration Report

Data Path : X:\Airlab\Data\Airlab26\20QMethod : TSIM26_260107.M
Data File : R268998.D Operator : AIRLAB26:TPH
Date Inj'd : 3/11/2026 12:35 pm Instrument : Airlab26
Sample : WG2184097-2,3,250,250 Quant Date : 3/11/2026 12:56 pm

Compound #83: naphthalene



Original Peak Response = 386779



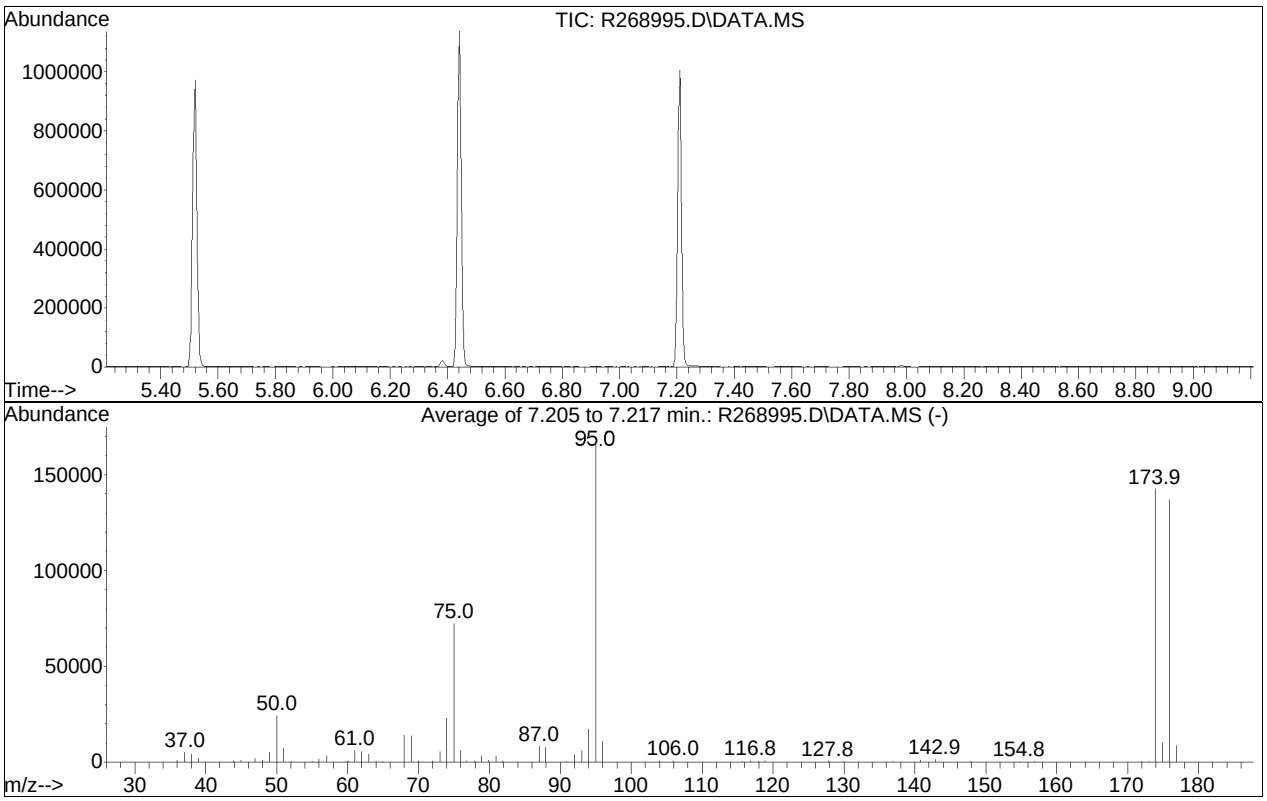
Manual Peak Response = 388188 M4

M4 = Poor automated baseline construction.

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268995.D
Acq On : 11 Mar 2026 10:23 am
Operator : AIRLAB26:TPH
Sample : WG2184097-1,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Title : TO-14A/TO-15 SIM/Full Scan Analysis
Last Update : Fri Jan 09 09:08:03 2026



Spectrum Information: Average of 7.205 to 7.217 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.5	24257	PASS
75	95	30	66	43.4	72368	PASS
95	95	100	100	100.0	166728	PASS
96	95	5	9	6.6	10959	PASS
173	174	0.00	2	0.3	389	PASS
174	95	50	120	85.6	142747	PASS
175	174	4	9	7.0	10001	PASS
176	174	93	101	96.0	137005	PASS
177	176	5	9	6.3	8668	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269000.D
Acq On : 11 Mar 2026 03:01 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-4,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:17:55 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : Default-LCS-AP2 - All compounds listed

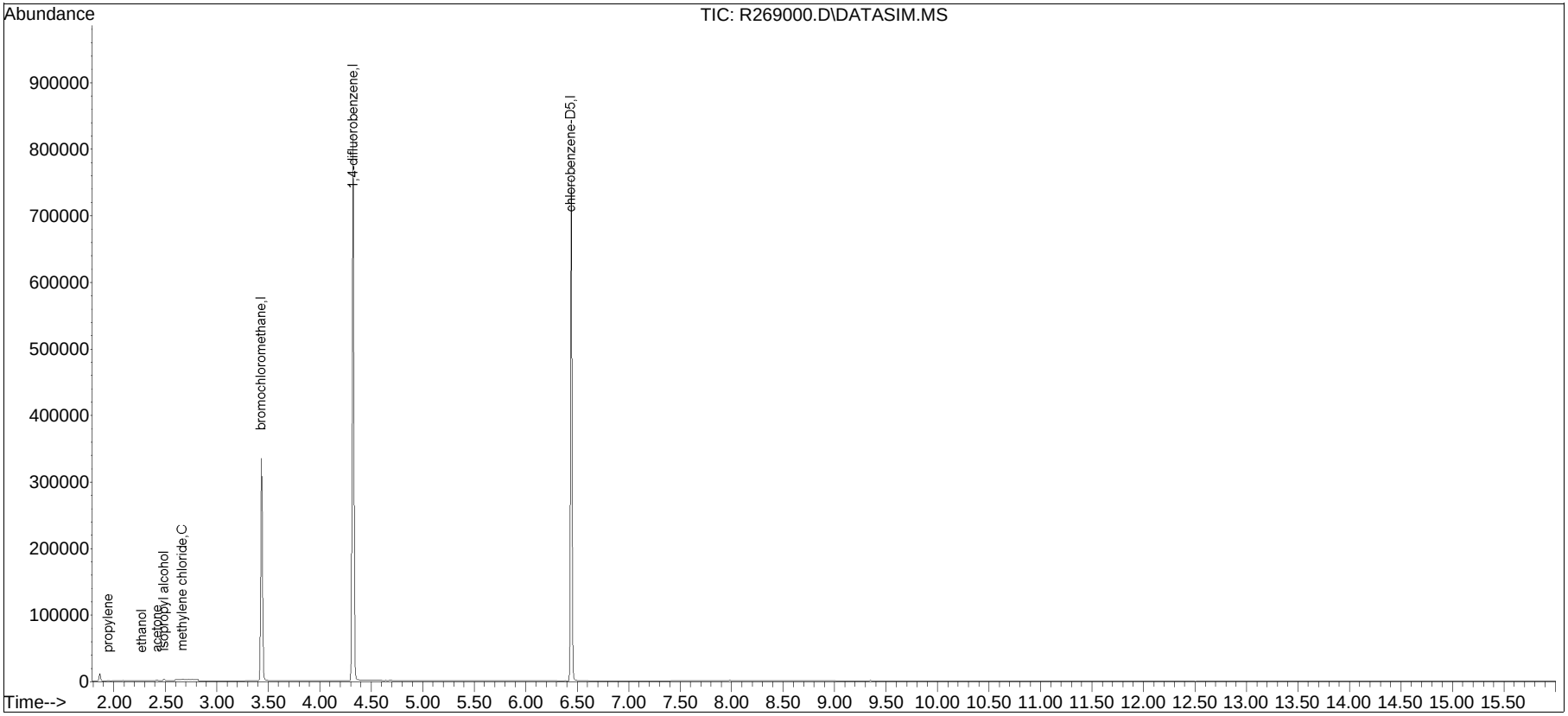
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.433	49	169631	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 101.15%			
33) 1,4-difluorobenzene	4.324	114	542314	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 95.76%			
51) chlorobenzene-D5	6.439	54	71789	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 95.81%			
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	4.013		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\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269000.D
Acq On : 11 Mar 2026 03:01 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-4,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 07:17:55 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269000.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/11/2026 3:01 pm	Instrument	: Airlab26
Sample	: WG2184097-4,3,250,250	Quant Date	: 3/12/2026 7:17 am

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

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-3,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	85	0.00
2		propylene	5.000	4.969	0.6	89	0.00
3		dichlorodifluoromethane	5.000	5.166	-3.3	89	0.00
4	C	chloromethane	5.000	4.327	13.5	75	0.00
5		Freon-114	5.000	4.862	2.8	85	0.00
6	C	vinyl chloride	5.000	4.577	8.5	83	0.00
7	C	1,3-butadiene	5.000	5.347	-6.9	101	0.00
8	C	bromomethane	5.000	5.880	-17.6	108	0.00
9	C	chloroethane	5.000	5.546	-10.9	98	0.00
10		ethanol	25.000	25.171	-0.7	84	0.00
11	C	vinyl bromide	5.000	5.761	-15.2	104	0.00
12	C	acrolein	5.000	4.195	16.1	77	0.00
13		acetone	25.000	30.319	-21.3	107	0.00
14		trichlorofluoromethane	5.000	5.557	-11.1	99	0.00
15		isopropyl alcohol	12.500	11.785	5.7	98	0.00
16	C	acrylonitrile	5.000	4.565	8.7	80	0.00
17	C	1,1-dichloroethene	5.000	5.215	-4.3	94	0.00
18		tertiary butyl alcohol	5.000	4.104	17.9	75	0.00
19	C	methylene chloride	5.000	5.157	-3.1	85	0.00
20	C	3-chloropropene	5.000	5.400	-8.0	94	0.00
21	C	carbon disulfide	5.000	5.370	-7.4	96	0.00
22		Freon 113	5.000	5.237	-4.7	94	0.00
23		trans-1,2-dichloroethene	5.000	4.874	2.5	91	0.00
24	C	1,1-dichloroethane	5.000	5.272	-5.4	96	0.00
25	C	MTBE	5.000	5.041	-0.8	95	0.00
26	C	vinyl acetate	5.000	3.616	27.7	63	0.00
27	C	2-butanone	5.000	5.035	-0.7	89	0.00
28		cis-1,2-dichloroethene	5.000	4.309	13.8	77	0.00
29		Ethyl Acetate	5.000	4.076	18.5	85	0.00
30	C	chloroform	5.000	4.618	7.6	84	0.00
31		Tetrahydrofuran	5.000	5.150	-3.0	91	0.00
32	C	1,2-dichloroethane	5.000	4.424	11.5	80	0.00
33	I	1,4-difluorobenzene	10.000	10.000	0.0	86	0.00
34	C	hexane	5.000	4.554	8.9	92	0.00
36	C	1,1,1-trichloroethane	5.000	4.665	6.7	84	0.00
37	C	benzene	5.000	4.539	9.2	81	0.00
38	C	carbon tetrachloride	5.000	4.816	3.7	86	0.00
39		cyclohexane	5.000	4.675	6.5	85	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-3,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	4.121	17.6	73	0.00
41	C	1,2-dichloropropane	5.000	4.363	12.7	79	0.00
42		bromodichloromethane	5.000	4.869	2.6	90	0.00
43	C	1,4-dioxane	5.000	4.947	1.1	94	0.00
44	C	trichloroethene	5.000	4.442	11.2	81	0.00
45	C	2,2,4-trimethylpentane	5.000	5.010	-0.2	92	0.00
46		heptane	5.000	4.852	3.0	88	0.00
47	C	cis-1,3-dichloropropene	5.000	5.182	-3.6	93	0.00
48	C	4-methyl-2-pentanone	5.000	4.683	6.3	82	0.00
49		trans-1,3-dichloropropene	5.000	5.195	-3.9	94	0.00
50	C	1,1,2-trichloroethane	5.000	4.497	10.1	81	0.00
51	I	chlorobenzene-D5	10.000	10.000	0.0	82	0.00
52	C	toluene	5.000	4.847	3.1	82	0.00
54		2-hexanone	5.000	4.657	6.9	78	0.00
55		dibromochloromethane	5.000	5.380	-7.6	94	0.00
56	C	1,2-dibromoethane	5.000	4.817	3.7	84	0.00
57	C	tetrachloroethene	5.000	4.774	4.5	84	0.00
58		1,1,1,2-tetrachloroethane	5.000	4.357	12.9	73	0.00
59	C	chlorobenzene	5.000	4.663	6.7	81	0.00
60	C	ethylbenzene	5.000	4.541	9.2	77	0.00
61	C	m+p-xylene	10.000	9.492	5.1	81	0.00
62	C	bromoform	5.000	5.544	-10.9	95	0.00
63	C	styrene	5.000	4.917	1.7	79	0.00
64	C	1,1,2,2-tetrachloroethane	5.000	4.520	9.6	78	0.00
65	C	o-xylene	5.000	4.633	7.3	80	0.00
66		1,2,3-Trichloropropane	5.000	4.306	13.9	72	0.00
68	C	isopropylbenzene	5.000	4.687	6.3	74	0.00
69		Bromobenzene	5.000	4.212	15.8	72	0.00
70		4-ethyl toluene	5.000	5.306	-6.1	88	0.00
71		1,3,5-trimethylbenzene	5.000	5.005	-0.1	85	0.00
72		tert-butylbenzene	5.000	4.863	2.7	76	0.00
73		1,2,4-trimethylbenzene	5.000	4.996	0.1	82	0.00
74	C	Benzyl Chloride	5.000	4.076	18.5	65	0.00
75		1,3-dichlorobenzene	5.000	4.780	4.4	79	0.00
76	C	1,4-dichlorobenzene	5.000	4.527	9.5	79	0.00
77		sec-butylbenzene	5.000	4.743	5.1	72	0.00
78		p-isopropyltoluene	5.000	4.855	2.9	74	0.00
79		1,2-dichlorobenzene	5.000	4.496	10.1	77	0.00

Evaluate Continuing Calibration Report

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-3,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
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	4.958	0.8	73	0.00
81	1,2-dibromo-3-chloropropane	5.000	3.892	22.2	63	0.00
82 C	1,2,4-trichlorobenzene	5.000	4.125	17.5	67	0.00
83	naphthalene	5.000	3.480	30.4#	53	0.00
84	1,2,3-trichlorobenzene	5.000	4.021	19.6	56	0.00
85 C	hexachlorobutadiene	5.000	4.769	4.6	74	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\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-3,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : Default-LCS-AP2 - All compounds listed

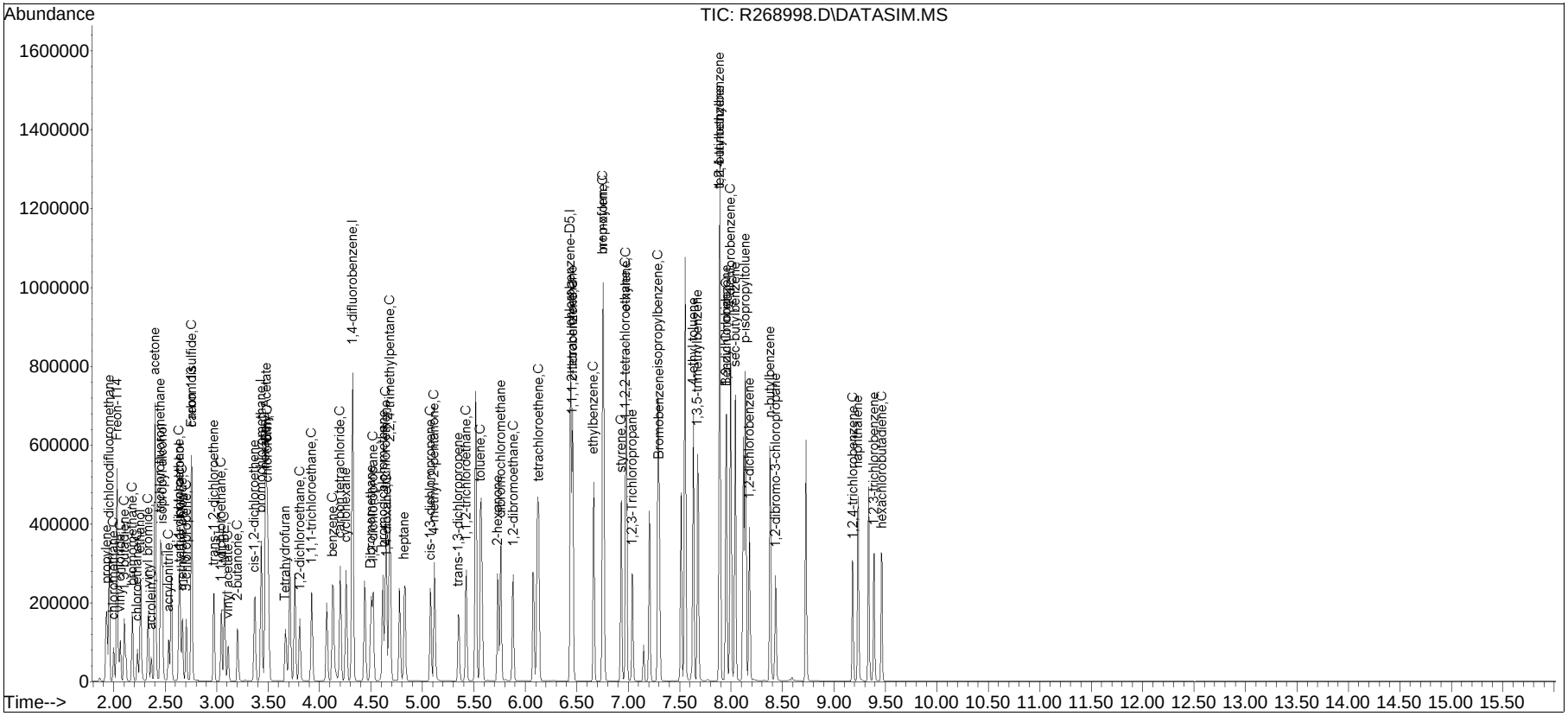
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) bromochloromethane	3.433	49	167705M4	10.000	ppbV		0.00
Standard Area = 167705			Recovery = 100.00%				
33) 1,4-difluorobenzene	4.324	114	566312	10.000	ppbV	#	0.00
Standard Area = 566312			Recovery = 100.00%				
51) chlorobenzene-D5	6.439	54	74932	10.000	ppbV	#	0.00
Standard Area = 74932			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
6) vinyl chloride	2.065	62	68677	4.577	ppbV		100
17) 1,1-dichloroethene	2.634	61	105932	5.215	ppbV		99
28) cis-1,2-dichloroethene	3.366	61	86083	4.309	ppbV		98
36) 1,1,1-trichloroethane	3.923	97	139982	4.665	ppbV	#	17
38) carbon tetrachloride	4.201	117	137657	4.816	ppbV	#	44
44) trichloroethene	4.644	130	105154	4.442	ppbV	#	52
57) tetrachloroethene	6.130	166	126984	4.774	ppbV		99

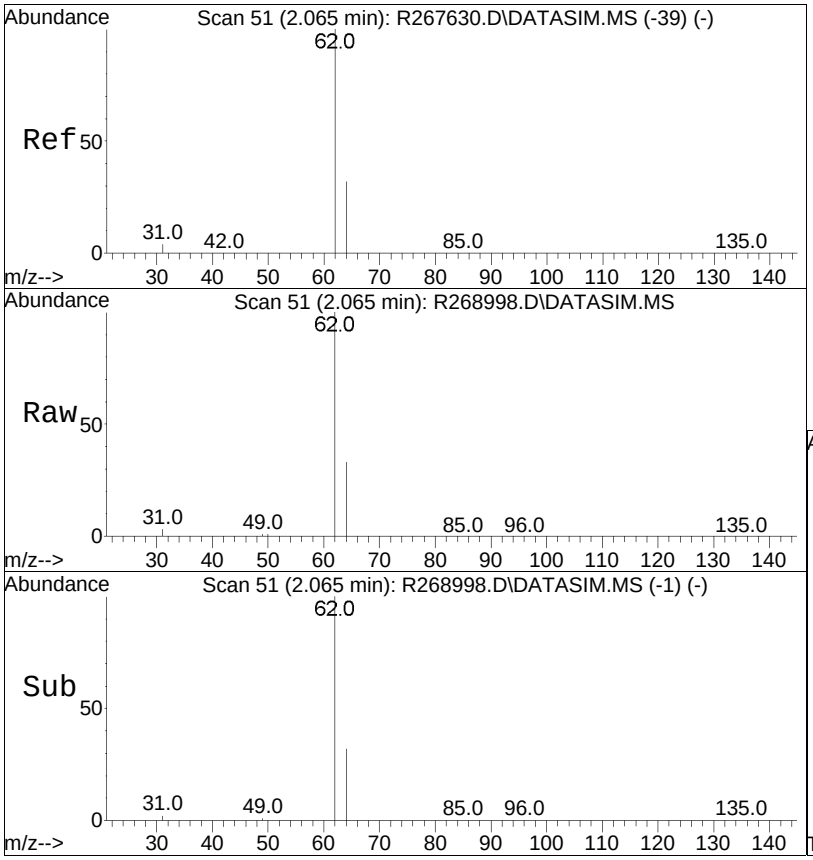
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : Default-LCS-AP2 - All compounds listedM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R268998.D
Acq On : 11 Mar 2026 12:35 pm
Operator : AIRLAB26:TPH
Sample : WG2184097-3,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 12:56:37 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

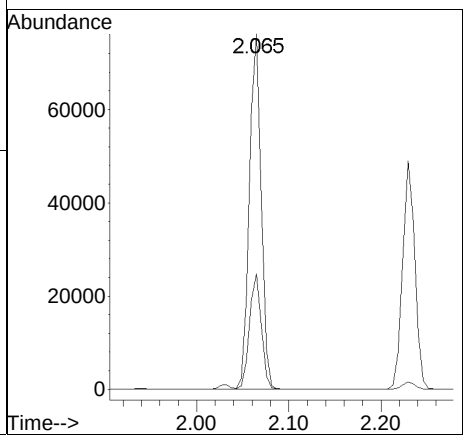


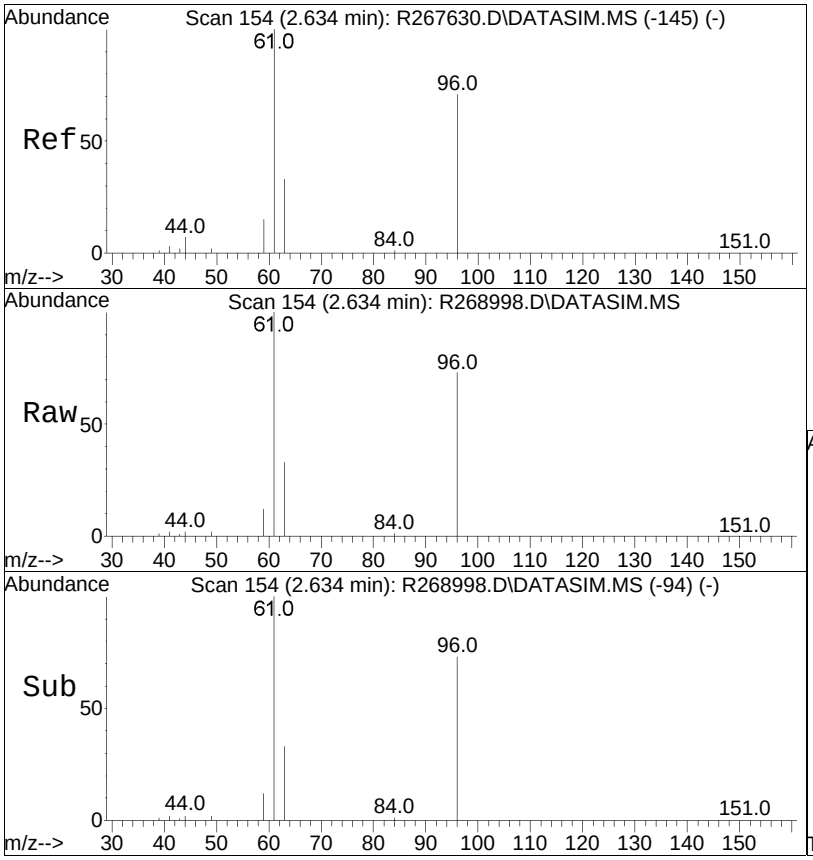


#6
vinyl chloride
Concen: 4.58 ppbV
RT: 2.065 min Scan# 51
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion: 62 Resp: 68677

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.6	38.4

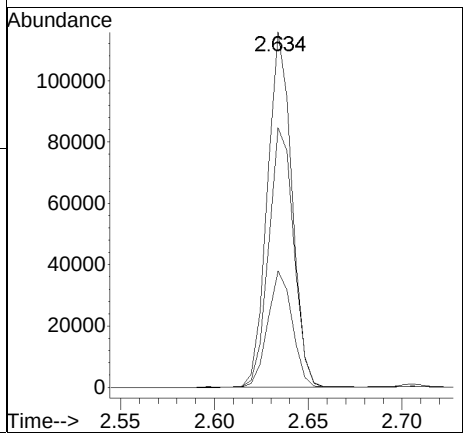


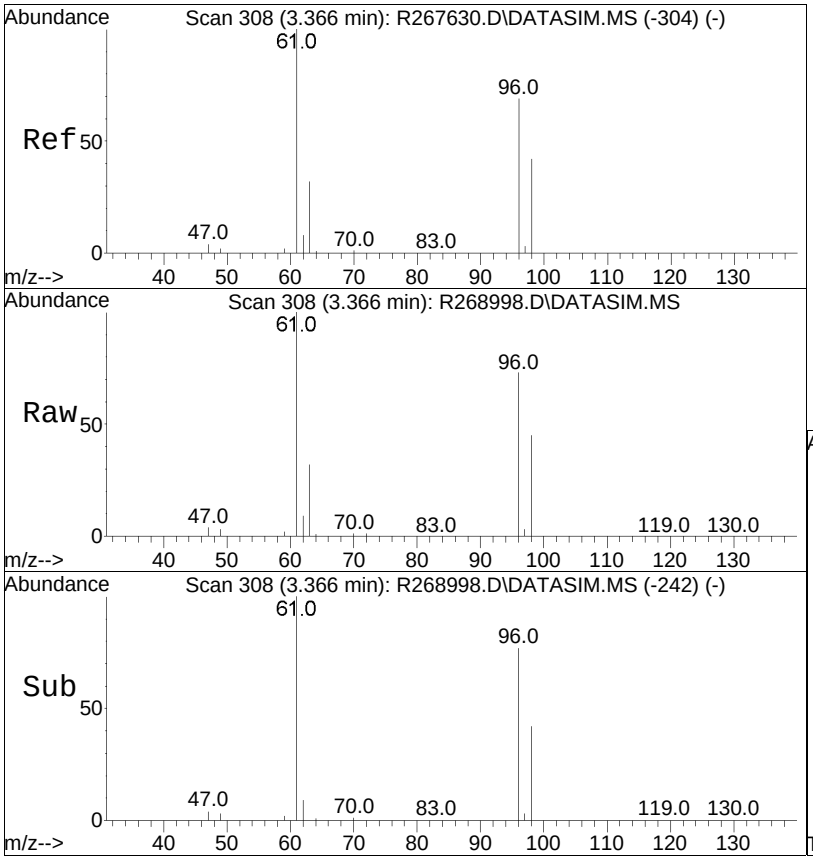


#17
1,1-dichloroethene
Concen: 5.21 ppbV
RT: 2.634 min Scan# 154
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion: 61 Resp: 105932

Ion	Ratio	Lower	Upper
61	100		
96	75.3	59.6	89.4
63	32.9	26.3	39.5

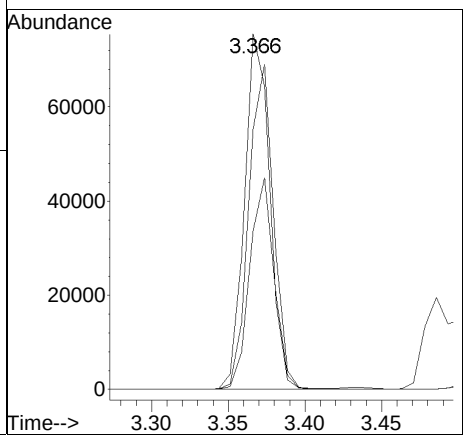


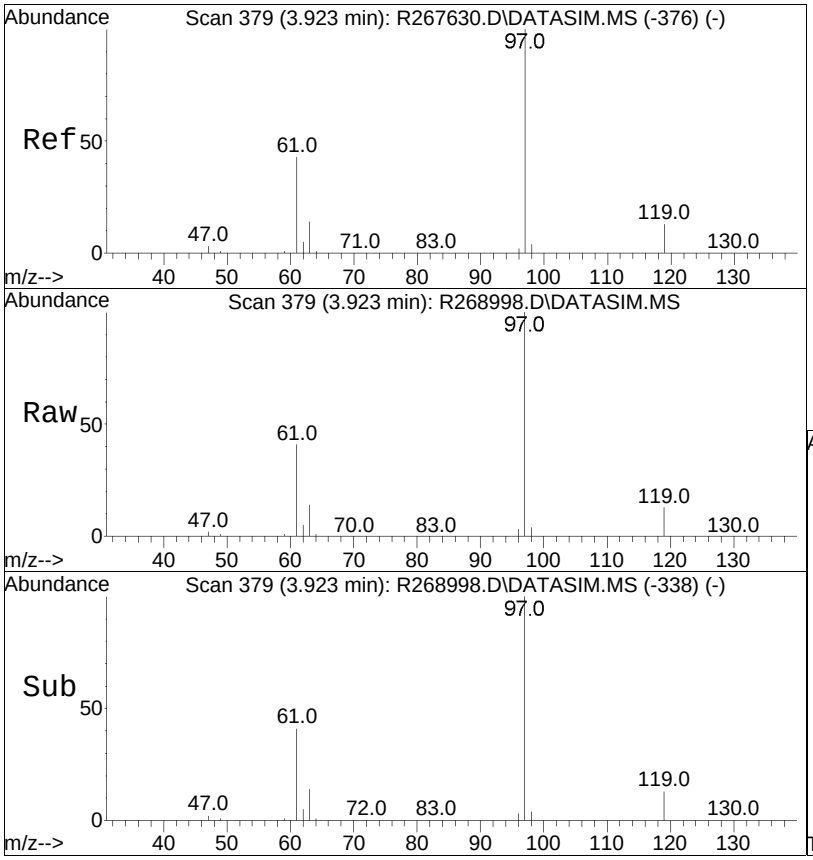


#28
cis-1,2-dichloroethene
Concen: 4.31 ppbV
RT: 3.366 min Scan# 308
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion: 61 Resp: 86083

Ion	Ratio	Lower	Upper
61	100		
96	89.7	70.8	106.2
98	57.5	44.9	67.3

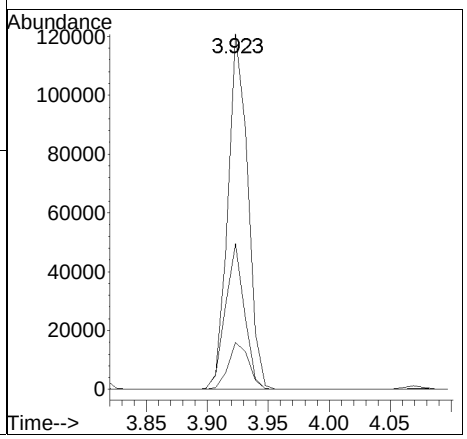


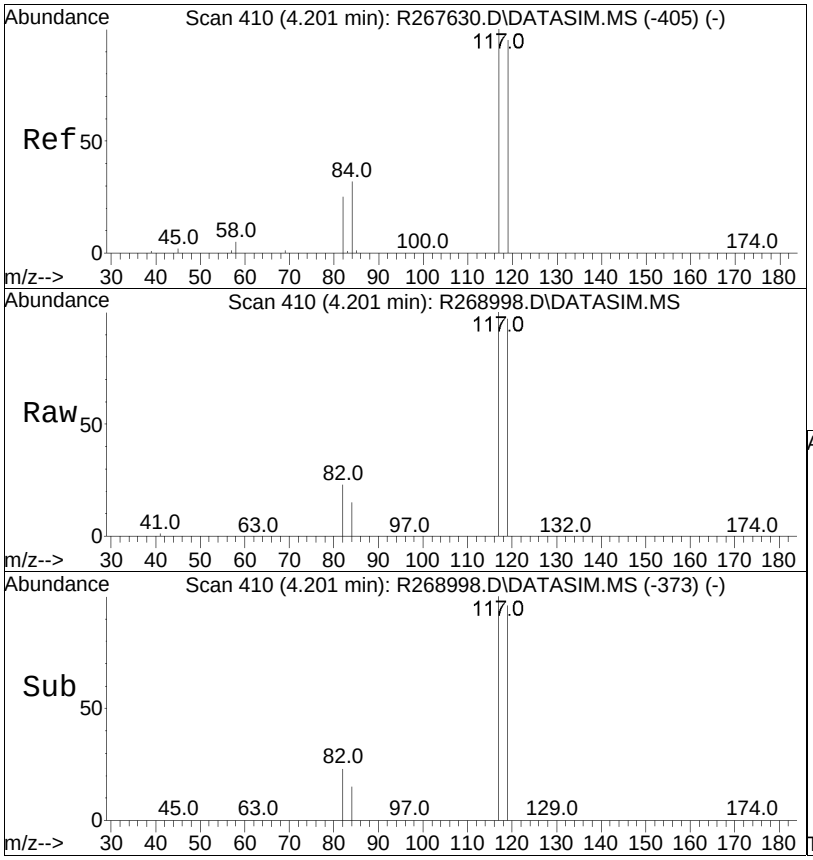


#36
1,1,1-trichloroethane
Concen: 4.66 ppbV
RT: 3.923 min Scan# 379
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion: 97 Resp: 139982

Ion	Ratio	Lower	Upper
97	100		
61	38.7	7.1	10.7#
119	13.4	0.0	0.0#

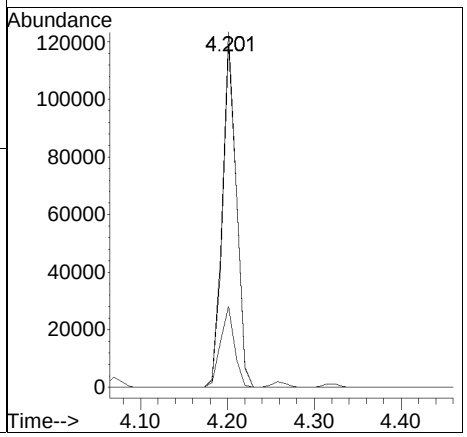


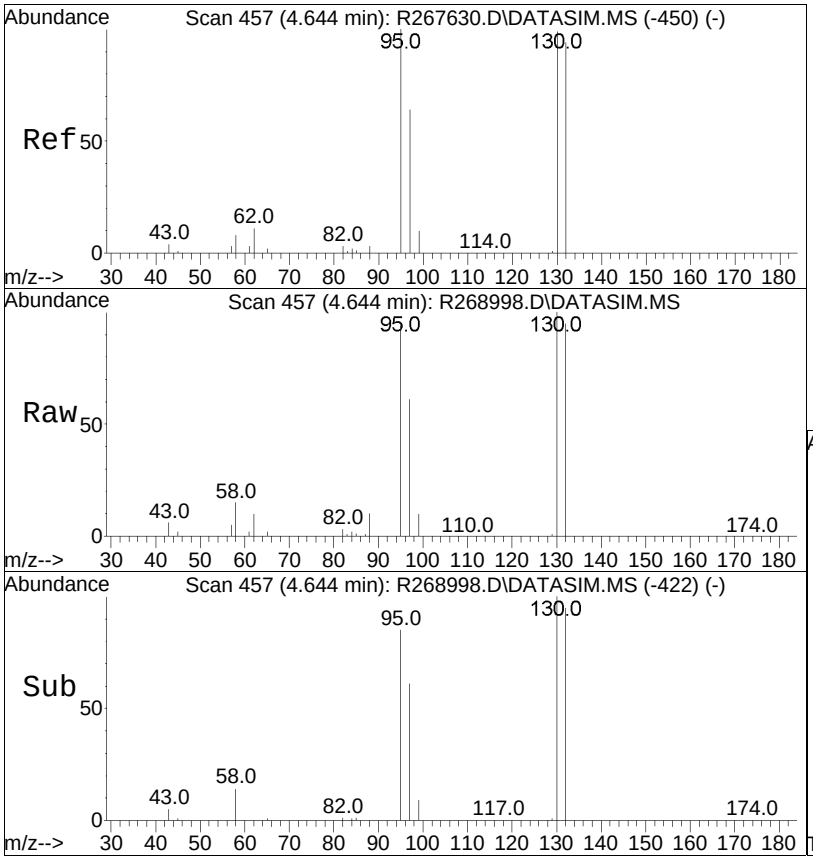


#38
carbon tetrachloride
Concen: 4.82 ppbV
RT: 4.201 min Scan# 410
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion:117 Resp: 137657

Ion	Ratio	Lower	Upper
117	100		
119	96.6	0.0	0.0#
82	22.0	2.7	4.1#

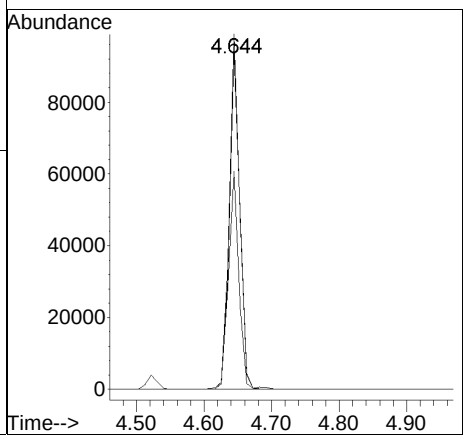


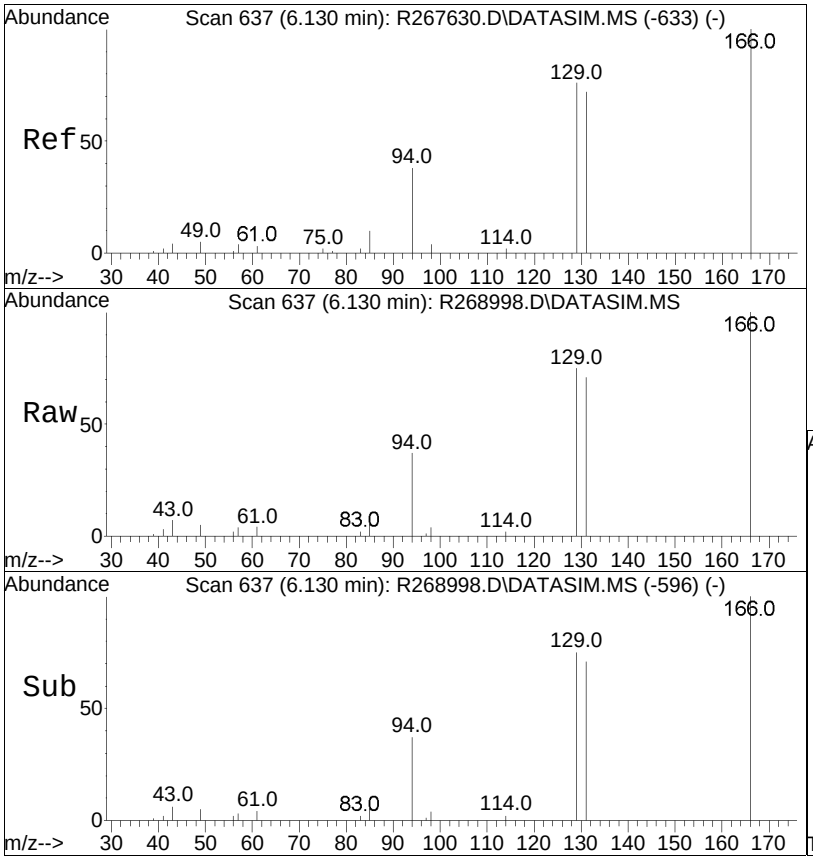


#44
trichloroethene
Concen: 4.44 ppbV
RT: 4.644 min Scan# 457
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion:130 Resp: 105154

Ion	Ratio	Lower	Upper
130	100		
132	95.5	0.0	0.0#
97	62.1	0.2	0.2#

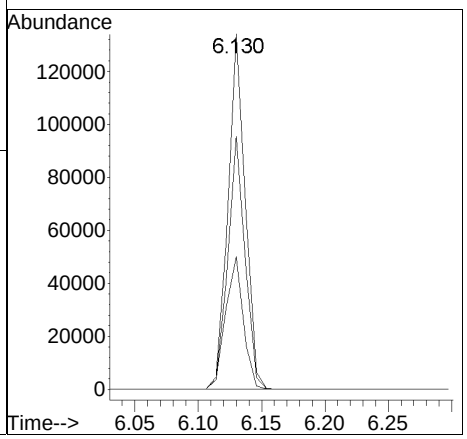




#57
tetrachloroethene
Concen: 4.77 ppbV
RT: 6.130 min Scan# 637
Delta R.T. 0.000 min
Lab File: R268998.D
Acq: 11 Mar 2026 12:35 pm

Tgt Ion:166 Resp: 126984

Ion	Ratio	Lower	Upper
166	100		
131	71.0	57.7	86.5
94	38.6	31.4	47.0

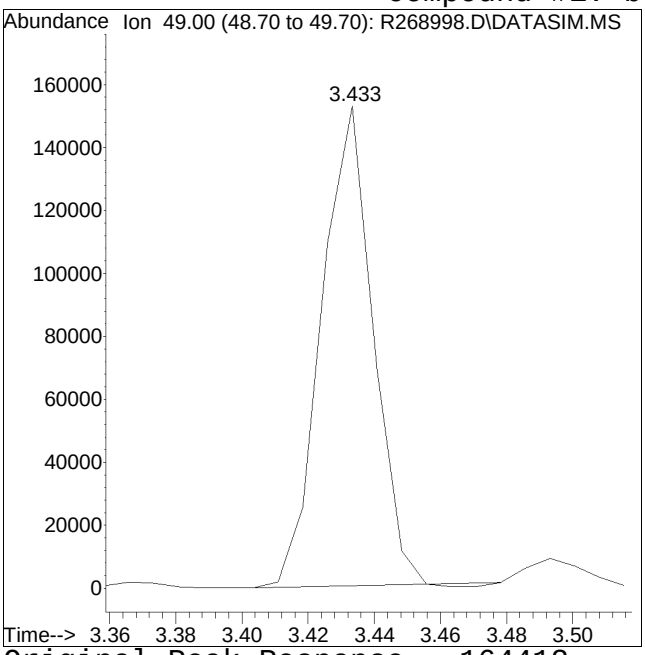


Manual Integration Report

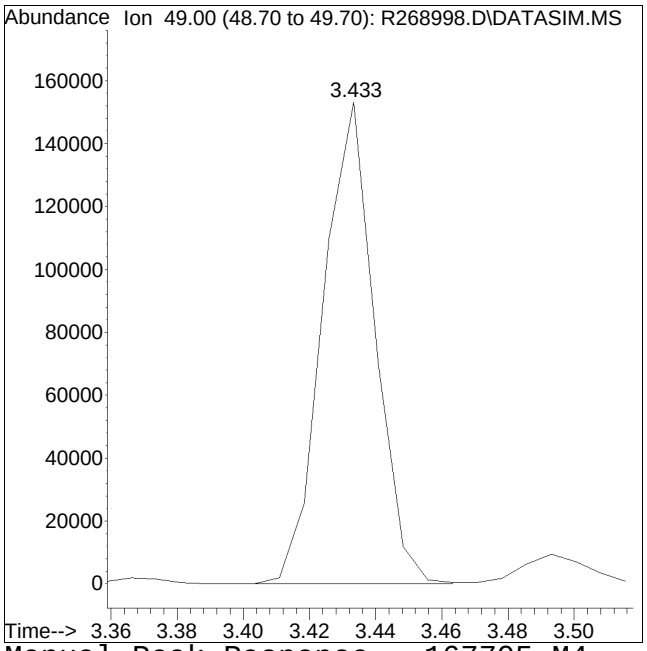
Data Path : X:\Airlab\Data\Airlab26\20Q
Data File : R268998.D
Date Inj'd : 3/11/2026 12:35 pm
Sample : WG2184097-3,3,250,250

Method : TSIM26_260107.M
Operator : AIRLAB26:TPH
Instrument : Airlab26
Quant Date : 3/11/2026 12:56 pm

Compound #1: bromochloromethane



Original Peak Response = 164412



Manual Peak Response = 167705 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269011.D
Acq On : 12 Mar 2026 01:21 am
Operator : AIRLAB26:TPH
Sample : WG2184097-5,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 07:19:20 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

CCAL FILE : X:\Airlab\Data\Airlab26\2026\03\0311SIM\R268998.D
Sub List : 7-NY-SIM - .

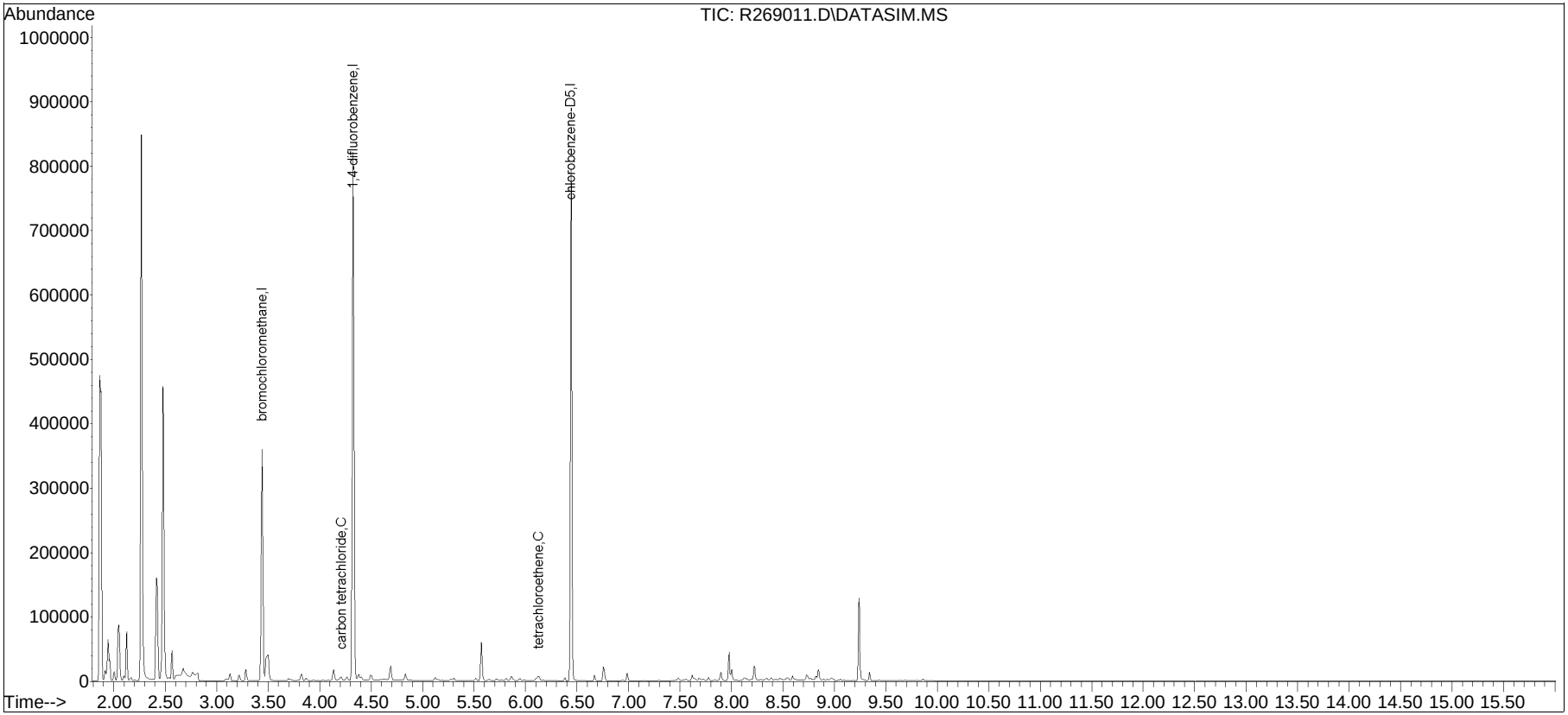
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) bromochloromethane	3.441	49	176480	10.000	ppbV	# 0.00
Standard Area = 167705			Recovery = 105.23%			
33) 1,4-difluorobenzene	4.324	114	558296	10.000	ppbV	# 0.00
Standard Area = 566312			Recovery = 98.58%			
51) chlorobenzene-D5	6.439	54	74697	10.000	ppbV	# 0.00
Standard Area = 74932			Recovery = 99.69%			
System Monitoring Compounds						
Target Compounds						Qvalue
6) vinyl chloride	2.169		0	N.D.		
17) 1,1-dichloroethene	0.000		0	N.D.	d	
28) cis-1,2-dichloroethene	0.000		0	N.D.	d	
36) 1,1,1-trichloroethane	3.931		0	N.D.		
38) carbon tetrachloride	4.211	117	2108	0.075	ppbV	# 42
44) trichloroethene	4.654		0	N.D.		
57) tetrachloroethene	6.130	166	1595	0.060	ppbV	# 85

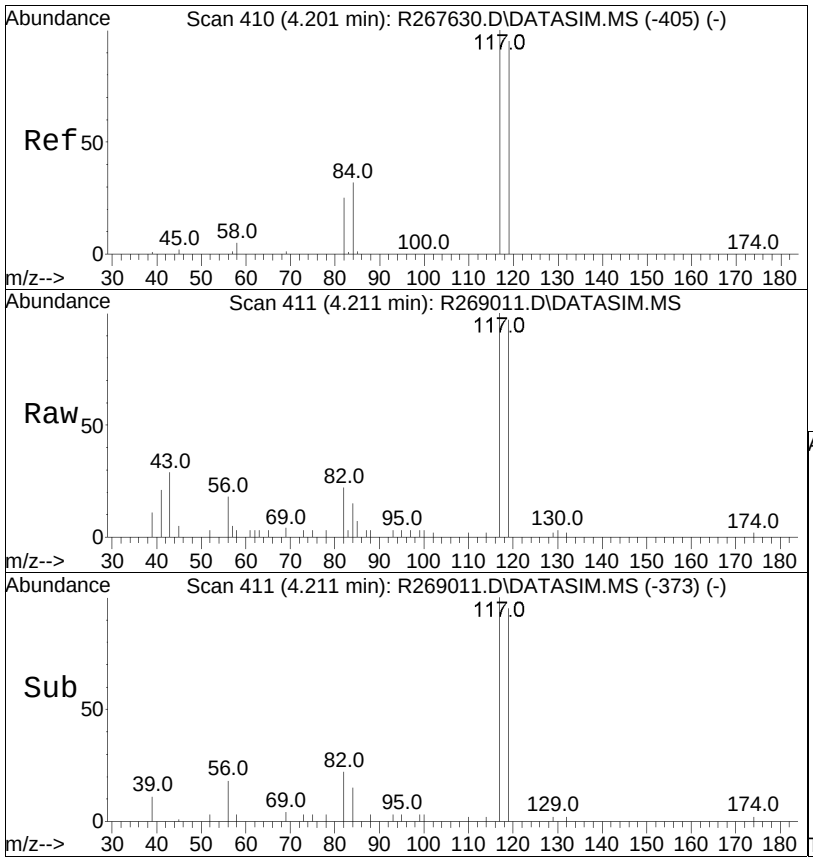
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sub List : 7-NY-SIM - .ta\Airlab26\2026\03\0311SIM\R268998.D

Data Path : X:\Airlab\Data\Airlab26\2026\03\0311SIM\
Data File : R269011.D
Acq On : 12 Mar 2026 01:21 am
Operator : AIRLAB26:TPH
Sample : WG2184097-5,3,250,250
Misc : WG2184097,ICAL22940
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 12 07:19:20 2026
Quant Method : X:\Airlab\Data\Airlab26\2026\03\0311SIM\TSIM26_260107.M
Quant Title : TO-14A/TO-15 SIM/Full Scan Analysis
QLast Update : Fri Jan 09 09:08:03 2026
Response via : Initial Calibration

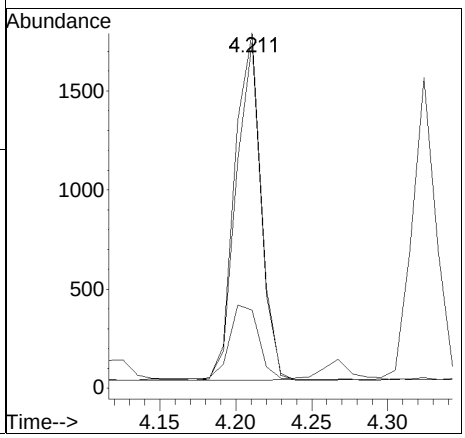


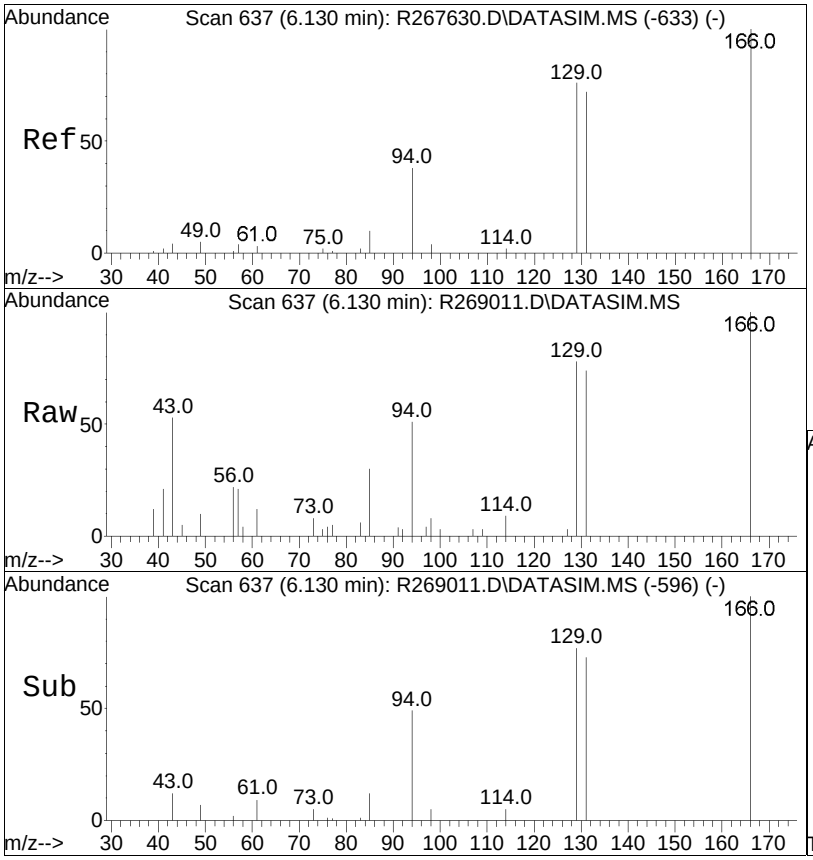


#38
carbon tetrachloride
Concen: 0.07 ppbV
RT: 4.211 min Scan# 411
Delta R.T. 0.010 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:117 Resp: 2108

Ion	Ratio	Lower	Upper
117	100		
119	92.8	0.0	0.0#
82	22.4	2.7	4.1#

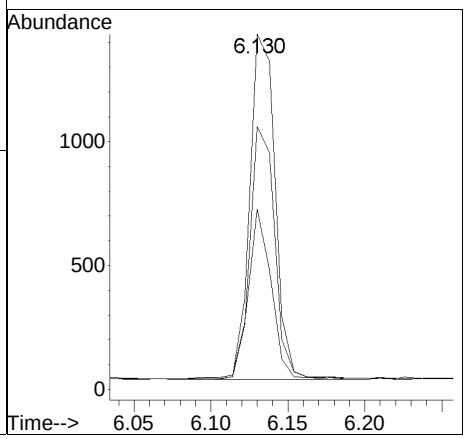




#57
tetrachloroethene
Concen: 0.06 ppbV
RT: 6.130 min Scan# 637
Delta R.T. 0.000 min
Lab File: R269011.D
Acq: 12 Mar 2026 01:21 am

Tgt Ion:166 Resp: 1595

Ion	Ratio	Lower	Upper
166	100		
131	72.6	57.7	86.5
94	64.3	31.4	47.0#



Manual Integration Report

Data Path	: X:\Airlab\Data\Airlab26\20	QMethod	: TSIM26_260107.M
Data File	: R269011.D	Operator	: AIRLAB26:TPH
Date Inj'd	: 3/12/2026 1:21 am	Instrument	: Airlab26
Sample	: WG2184097-5,3,250,250	Quant Date	: 3/12/2026 7:19 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)

Mar 12 2026, 01:07 pm

Work Group: WG2184097 for Department: 3 GC/MS

Created: 11-MAR-26 Due: Operator: ZPC

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2600027-197	AIR DUMMY 197	S	TO15-SIM	AIR	DACQ	U	0331	0325	NC	CAN-CHOOSE
L2610077-05	BM-B6-IA-1	S	TO15-SIM	AIR	DONE	U	0327	0311	S0	Can-6
L2610077-06	BM-B6-IA-2	S	TO15-SIM	AIR	DONE	U	0327	0311	S0	Can-6
L2612752-02	IA-01_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-03	IA-02_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-04	IA-03_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-05	IA-04_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-06	IA-05_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612752-07	AA-01_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-02	HA-IA-14_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-04	HA-IA-12_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-06	HA-IA-13_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2612894-07	HA-AA-01_20260309	S	TO15-SIM	AIR	DONE	U	0408	0312	1B	Can-6
L2613268-01	AA-1_20260310	S	TO15-SIM	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-02	AA-2_20260310	S	TO15-SIM	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-03	AA-3_20260310	S	TO15-SIM	AIR	DONE	U	0409	0312	1A	Can-6
L2613268-04	AA-4_20260310	S	TO15-SIM	AIR	DONE	U	0409	0312	1A	Can-6
WG2184097-1	MS BFB Tune Standard	S	TO15-SIM	AIR	DONE	U				
WG2184097-2	Continuing Calibrati	S	TO15-SIM	AIR	DONE	U				
WG2184097-3	Laboratory Control S	S	TO15-SIM	AIR	DONE	U				
WG2184097-4	Laboratory Method Bl	S	TO15-SIM	AIR	DONE	U				
WG2184097-5	Duplicate Sample	S	TO15-SIM	AIR	DONE	U				

Comments:

L2600027-197	use for L2612894-06
WG2184097-5	L2612894-06

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB26

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 01/07/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: APR

Sequence Name 260107.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	TA26010701	TO15_SFS.M	R267623.D	250ML	TUNE		NA
5	ITO15-SIMSTD0.02	TO15_SFS.M	R267624.D	SS25-033D 50 mL	SIM Only	Default	NA
5	ITO15-SIMSTD0.05	TO15_SFS.M	R267625.D	SS25-033D 125 mL	SIM Only	Default	NA
5	ITO15-SIMSTD0.1	TO15_SFS.M	R267626.D	SS25-033D 250 mL	SIM Only	Default	NA
6	ITO15-LLSTD0.2	TO15_SFS.M	R267627.D	SS25-033C 50 mL		Default	NA
6	ITO15-LLSTD0.5	TO15_SFS.M	R267628.D	SS25-033C 125 mL		Default	NA
6	ITO15-LLSTD1.0	TO15_SFS.M	R267629.D	SS25-033C 250 mL		Default	NA
7	ITO15-LLSTD5.0	TO15_SFS.M	R267630.D	SS25-033B 125 mL		Default	NA
7	ITO15-LLSTD010	TO15_SFS.M	R267631.D	SS25-033B 250 mL		Default	NA
8	ITO15-LLSTD020	TO15_SFS.M	R267632.D	SS25-033A 50 mL		Default	NA
8	ITO15-LLSTD050	TO15_SFS.M	R267633.D	SS25-033A 125 mL		Default	NA
8	ITO15-LLSTD100	TO15_SFS.M	R267634.D	SS25-033A 250 mL	LL Only	Default	NA
1	BA26010701	TO15_SFS.M	R267635.D	250ML			NA
	Pause	TO15_SFS.M					NA
1	BA26010702	TO15_SFS.M	R267636.D	250ML			NA
2	CTO15-LLSTD010	TO15_SFS.M	R267637.D	SS25-040E 250 mL	LL ICV	Default-ICV-AP2	NA
2	CTO15-SIMSTD5.0	TO15_SFS.M	R267638.D	SS25-040E 125 mL	SIM ICV	Default-ICV-AP2	NA

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 (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

Alpha Analytical Air Lab
Instrument Run Log

Instrument ID: AIRLAB26

Internal Standard/Surrogate IDs: SS24-016 / SS24-017

Date: 03/11/2026

Internal Standard/Surrogate Volume: 100 ml

Analyst Initials: DJR/ZPC

Sequence File Name: 260311.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	TA26022401	TO15_SFS.M	R268995.D	250 mL	TUNE	**TT: 10:24**	NA
2	CA26022401	TO15_SFS.M	R268996.D	SS25-037E 250 mL	CC	**NJ CC FAILS**	NA
3	CTO15-LLSTD010	TO15_SFS.M	R268997.D	SS26-007F 250 mL	LL LCS	**NARRATE VA OUT**	NA
3	CTO15-SIMSTD5.0	TO15_SFS.M	R268998.D	SS26-007F 125 mL	SIM LCS	**NARRATE VA OUT**	NA
	PAUSE						NA
1	BA26022401	TO15_SFS.M	R268999.D	250mL	LL BLANK		NA
1	BA26022402	TO15_SFS.M	R269000.D	250mL	SIM BLANK		NA
1	L2612752-07,3,250,250	TO15_SFS.M	R269001.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
2	L2612894-07,3,250,250	TO15_SFS.M	R269002.D	WG2184098,ICAL22939		NY+NAPH	Y
3	L2612752-02,3,250,250	TO15_SFS.M	R269003.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
4	L2612752-03,3,250,250	TO15_SFS.M	R269004.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
5	L2612752-04,3,250,250	TO15_SFS.M	R269005.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
6	L2612752-05,3,250,250	TO15_SFS.M	R269006.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
7	L2612752-06,3,250,250	TO15_SFS.M	R269007.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
8	L2612894-02,3,250,250	TO15_SFS.M	R269008.D	WG2184098,ICAL22939		NY+NAPH	Y
9	L2612894-04,3,250,250	TO15_SFS.M	R269009.D	WG2184098,ICAL22939		NY+NAPH	Y
10	L2612894-06,3,250,250	TO15_SFS.M	R269010.D	WG2184098,ICAL22939		NY+NAPH	Y
10	L2612894-06DUP,3,250,250	TO15_SFS.M	R269011.D	WG2184098,ICAL22939	(DUMMY) LL DUP	NY+NAPH	Y

Alpha Analytical Air Lab
Instrument Run Log

11	L2610077-05,3,250,250	TO15_SFS.M	R269012.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
12	L2610077-06,3,250,250	TO15_SFS.M	R269013.D	WG2184097,ICAL22940		NY+NAPH-7SIM	Y
13	L2612752-01,3,250,250	TO15_SFS.M	R269014.D	WG2184097,ICAL22940	920	NY+NAPH	Y
14	L2612894-01,3,250,250	TO15_SFS.M	R269015.D	WG2184098,ICAL22939		NY+NAPH	Y
15	L2612894-03D,3,175,250	TO15_SFS.M	R269016.D	WG2184098,ICAL22939		NY+NAPH	Y
16	L2612894-05D,3,8.2,250	TO15_SFS.M	R269017.D	WG2184098,ICAL22939		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 (mL) }

Dilution Factor: See Form 1 report, or divide nominal volume by actual volume analyzed

ATTACHMENT 2
Safety Data Sheets

SAFETY DATA SHEET

1. Identification

Product identifier **Hercules Pro Dope**

Other means of identification

Product code 7377E

Synonyms Part Numbers: 15420, 15427, 15433, 15435, 15445

Recommended use Not available.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name HCC Holdings, Inc. an Oatey Affiliate

Address 4700 West 160th Street
Cleveland, OH 44135

Telephone 216-267-7100

E-mail info@oatey.com

Transport Emergency Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)

Emergency First Aid 1-877-740-5015

Contact person MSDS Coordinator

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, skin Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement May cause an allergic skin reaction.

Precautionary statement

Prevention Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Calcium carbonate	1317-65-3	50-60
Petroleum-based Lubricating Oil	64741-88-4	20-40
Kaolin	1332-58-7	10-20
Menhaden oil	8002-50-4	1-5

Quartz	14808-60-7	<1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed Upper respiratory tract irritation. Irritation of eyes and mucous membranes. Coughing. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium carbonate (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Kaolin (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Petroleum-based Lubricating Oil (CAS 64741-88-4)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Calcium carbonate (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Kaolin (CAS 1332-58-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Petroleum-based Lubricating Oil (CAS 64741-88-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form	Liquid. Paste.
Color	Gray.
Odor	Fish oil
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	30000 cP
Other information	
VOC (Weight %)	11 g/l

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids. Fluorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Coughing. May cause an allergic skin reaction. Dermatitis. Rash. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Information on toxicological effects

Acute toxicity	May cause an allergic skin reaction.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.

NTP Report on Carcinogens

Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Petroleum-based Lubricating Oil (CAS 64741-88-4)
Quartz (CAS 14808-60-7)

US. New Jersey Worker and Community Right-to-Know Act

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Petroleum-based Lubricating Oil (CAS 64741-88-4)
Quartz (CAS 14808-60-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Quartz (CAS 14808-60-7)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Methanol (CAS 67-56-1)
Quartz (CAS 14808-60-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 05-February-2015

Revision date -

Version # 01

HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier	**Hercules Clear Cutting Oil**
Other means of identification	
Product code	**7335E**
Synonyms	Part Numbers: 40110, 40115, 40120, 40125, 40140
Recommended use	Thread Cutting Oil
Recommended restrictions	None Known
Manufacturer/Importer/Supplier/Distributor information	
Company Name	HCC Holdings, Inc. an Oatey Affiliate
Address	4700 West 160th Street Cleveland, OH 44135
Telephone	216-267-7100
E-mail	info@oatey.com
Transport Emergency	Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)
Emergency First Aid	1-877-740-5015
Contact person	MSDS Coordinator

2. Hazard(s) identification

Physical hazards	Not Classified.
Health hazards	Not Classified
OSHA defined hazards	Not Classified.
Label elements	
Hazard symbol	None.
Signal word	None
Hazard statement	This product does not require any hazard statements.
Precautionary statement	
Prevention	This product does not require any precautionary statements.
Response	This product does not require any precautionary statements.
Storage	Not applicable.
Disposal	Not applicable.
Hazard(s) not otherwise classified (HNOC)	Used Oil may contain harmful impurities.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Petroleum Hydrocarbon Mixture	Mixture	>95

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

	personnel. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Ingestion may result in nausea, vomiting, and or diarrhea.
Indication of immediate medical attention and special treatment needed.	Immediate medical attention is not required.
General information	Note to physician, treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water in a jet.
Specific hazards arising from the chemical	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases, oxides of sulfur and phosphorous (smoke). Carbon monoxide.
Special protective equipment and precautions for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Fire fighting equipment/instructions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Specific methods	None
General fire hazards	None

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Methods and materials for containment and cleaning up	Large Spills: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal. Small Spills: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and storage

Precautions for safe handling	Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires. Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Oil Mist, Mineral	TLV or PEL	5 mg/m3

US OSHA Permissible Exposure Limits

Components	Type	Value

Biological limit values Data Not available.

Appropriate engineering controls No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards None.

General hygiene considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Physical state Liquid

Form Liquid

Color Dark Amber

Odor Slight hydrocarbon

Odor threshold Not available.

pH Not applicable

Melting point/freezing point No data available.

Initial boiling point and boiling range Not determined

Flash point > 340 °F (> 171°C)

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available

Flammability limit – upper (%) Not available

Explosive limit - lower (%) Not available

Explosive limit - upper (%) Not available

Vapor pressure Not applicable

Vapor density Not applicable

Relative density 0.91

Solubility(ies)

Solubility (water) Negligible

Partition coefficient (n-octanol/water) >6 based on similar products

Auto-ignition temperature Not applicable

Decomposition temperature	Not available
Viscosity, kinematic	27.5 – 33.5 mm2/s @ 40 °C
Other information	
VOC (Weight %)	< 1% by weight, < 10 g/L

10. Stability and reactivity

Reactivity	The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph..
Chemical stability	The product is stable.
Possibility of hazardous reaction	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Extreme temperature and direct sunlight.
Incompatible materials	Strong Oxidizing Agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Mist from processing.
Skin contact	Skin contact.
Eye contact	Eye contact.
Ingestion	No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics	No specific data.

Information on likely routes of exposure
Acute Toxicity

Components	Species	Results

Skin corrosion/irritation	May cause skin irritation after prolonged exposure. Prolonged exposure or repeated exposure without proper cleaning can clog pores of the skin.
Serious eye damage/eye irritation	Expected to be slightly irritating.
Respiratory or skin sensitization	
Respiratory sensitization	Inhalation of vapors or mists may cause irritation to the respiratory system.
Skin sensitization	This product is not expected to cause skin irritation.
Germ cell mutagenicity	Not considered a mutagenic hazard
Carcinogenicity	No component of this product is identified as a probable, possible, or confirmed carcinogen by IARC, NTP, Monographs, or OSHA.
Reproductive toxicity	No known significant effects or critical hazards.
Specific target organ toxicity	
Single exposure	Not expected to be a hazard.
Repeated exposure	Not expected to be a hazard.
Aspiration Hazard	Contains Distillates (petroleum), hydrotreated – Which is a category 1 Aspiration Hazard. The likely hood of aspirating the product in this form is very low due to the high viscosity.
Chronic effects	Not Classified.
Further information	Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used oil should be handled with caution and skin contact should be avoided when possible.

12. Ecological information

Ecotoxicity

Product/ingredient name	Results	Species	Exposure

Persistence and degradability	Not Available.

Bio accumulative potential	Not Available.
Mobility in soil	Liquid under most conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Other adverse effects	No known significant effects of critical hazards.

13. Disposal considerations

Disposal instructions	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Local disposal regulations	Not Applicable
Hazardous waste code	Not Applicable

14. Transportation information

DOT	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
IATA	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
IMDG	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
Environmental hazards	
Marine polluntant	

15. Regulatory information

International Inventories All the substances contained in this product are listed or exempted from listing in the following inventories:
U.S.A. (TSCA)

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Issue Date	12-May-2015
Revision Date	-
Version #	01
HMIS Rating	Health: 1 Flammability: 1 Physical Hazards: 0
Disclaimer	HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier: STAINLESS STEEL POLISH - OIL BASE - K01010

Other means of identification
SDS number: RE1000040328

Recommended restrictions
Product use: Cleaner
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	VICTORIA BAY PRODUCTS
Address:	255 ROUTE 1 & 9 JERSEY CITY, NJ 07306
Telephone:	800-226-3233
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol	Category 1

Health Hazards

Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Toxicity - Single Exposure	Category 3[1.]
Aspiration Hazard	Category 1

Target Organs
1. Narcotic effect.

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
Extremely flammable aerosol.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light	64742-47-8	20 - <50%
White mineral oil (petroleum)	8042-47-5	20 - <50%
Propane	74-98-6	10 - <20%
2-Propanone	67-64-1	10 - <20%
Acetic acid, methyl ester	79-20-9	5 - <10%
Methanol	67-56-1	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.

5. Fire-fighting measures

General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling:	Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Conditions for safe storage, including any incompatibilities:	Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated light	REL	100 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Distillates (petroleum), hydrotreated light - Non-aerosol. - as total hydrocarbon vapor	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
White mineral oil (petroleum) - Mist.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (01 2010)
Propane	REL	1,000 ppm 1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
2-Propanone	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	TWA	750 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	250 ppm 590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Acetic acid, methyl ester	REL	200 ppm 610 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	STEL	250 ppm 760 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 610 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (2008)
	TWA	200 ppm 610 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 760 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
Methanol	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL (03 2015)
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEL (03 2013)

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information:	Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection	
Hand Protection:	No data available.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with eyes. When using do not smoke.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	Estimated -104.4 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	Estimated 12.3 %(V)
Flammability limit - lower (%):	Estimated 1.6 %(V)
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	3,447 - 4,826 hPa (20 °C)
Vapor density:	No data available.
Density:	Estimated 0.71 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	Estimated 322.15 °C
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Avoid heat or contamination.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Distillates (petroleum), hydrotreated light	LD 50 (Rat): > 5,000 mg/kg
White mineral oil (petroleum)	LD 50 (Rat): > 5,000 mg/kg
2-Propanone	LD 50 (Rat): 5,800 mg/kg
Acetic acid, methyl ester	LD 50 (Rat): 6,482 mg/kg
Methanol	LD 50: 100 mg/kg LD 50 (Rat): > 1,187 - 2,769 mg/kg

Dermal

Product: ATEmix: 363,561.59 mg/kg

Inhalation

Product: ATEmix: 427.72 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	NOAEL (Rat(Female, Male), Inhalation): >= 24 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female), Oral, 70 - 147 d): 750 mg/kg Oral Experimental result, Key study
White mineral oil (petroleum)	NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral Experimental result, Key study NOAEL (Rabbit(Female, Male), Dermal): 1,000 mg/kg Dermal Read-across from supporting substance (structural analogue or surrogate), Key study LOAEL (Rat(Female, Male), Inhalation): 210 mg/m3 Inhalation Experimental result, Key study
Propane	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
2-Propanone	NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental result, Key study
Acetic acid, methyl ester	NOAEL (Rat(Female, Male), Inhalation, 28 d): 350 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, 28 d): 2,000 ppm(m) Inhalation Experimental result, Key study
Methanol	LOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 13.3 mg/l Inhalation Experimental result, Supporting study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	in vivo (Rabbit): Not irritant Experimental result, Key study
White mineral oil (petroleum)	in vivo (Rabbit): Not irritant Experimental result, Key study
2-Propanone	in vivo (Rabbit): Not irritant Experimental result, Supporting study
Acetic acid, methyl ester	in vivo (Rabbit): Not irritant Experimental result, Key study
Methanol	in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	Rabbit, 24 - 72 hrs: Not irritating
White mineral oil (petroleum)	Rabbit, 24 - 72 hrs: Not irritating
2-Propanone	Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
Acetic acid, methyl ester	Rabbit: Irritating

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	Skin sensitization:, in vivo (Guinea pig): Non sensitising
White mineral oil (petroleum)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
2-Propanone	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Methanol	Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s):

2-Propanone	Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.
Methanol	Causes damage to organs.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Target Organs

Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

Aspiration Hazard

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	May be fatal if swallowed and enters airways.
White mineral oil (petroleum)	May be fatal if swallowed and enters airways.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key study LL 50 (Oncorhynchus mykiss, 96 h): > 100 mg/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
2-Propanone	LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Acetic acid, methyl ester	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 295 - 348 mg/l Mortality LC 50 (Danio rerio, 48 h): 250 - 350 mg/l Experimental result, Key study
Methanol	EC 50 (Lepomis macrochirus, 96 h): 12,700 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study
2-Propanone	LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
Acetic acid, methyl ester	EC 50 (Daphnia magna, 48 h): 1,026.7 mg/l Experimental result, Key study
Methanol	EC 50 (Daphnia magna, 96 h): 18,260 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	NOAEL (Oncorhynchus mykiss): 0.098 mg/l QSAR QSAR, Key study
White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study
Methanol	EC 50 (Oryzias latipes): 9,164 mg/l Experimental result, Supporting study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study
2-Propanone	LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
Methanol	NOAEL (Daphnia magna): 122 mg/l Experimental result, Supporting study

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	61 % Detected in water. Experimental result, Supporting study
White mineral oil (petroleum)	31 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
2-Propanone	90.9 % (28 d) Detected in water. Experimental result, Key study
Acetic acid, methyl ester	70 % Detected in water. Experimental result, Key study
Methanol	97 % Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

2-Propanone	Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified
Methanol	Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Experimental result, Supporting study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Distillates (petroleum), hydrotreated light	No data available.
White mineral oil (petroleum)	No data available.
Propane	No data available.
2-Propanone	No data available.
Acetic acid, methyl ester	No data available.
Methanol	No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	–
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Methanol	lbs. 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard
Immediate (Acute) Health Hazards
Flammable aerosol
Serious Eye Damage/Eye Irritation
Specific Target Organ Toxicity - Single Exposure
Aspiration Hazard

SARA 302 Extremely Hazardous Substance

Chemical Identity	Reportable quantity	Threshold Planning Quantity
Distillates (petroleum), hydrotreated light		
2-Propanone		
Acetic acid, methyl ester		

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Distillates (petroleum), hydrotreated light	
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Methanol	lbs. 5000

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Distillates (petroleum), hydrotreated light	10000 lbs
White mineral oil (petroleum)	10000 lbs
Propane	10000 lbs
2-Propanone	10000 lbs
Acetic acid, methyl ester	10000 lbs
Methanol	10000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Methanol	Developmental toxin. 03 2012

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
Distillates (petroleum), hydrotreated light
White mineral oil (petroleum)
Propane
2-Propanone
Acetic acid, methyl ester

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Distillates (petroleum), hydrotreated light
White mineral oil (petroleum)
Propane
2-Propanone
Acetic acid, methyl ester

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Stockholm convention

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Rotterdam convention

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Kyoto protocol

Inventory Status:

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Ontario Inventory:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

Issue Date:	02/27/2020
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information:	1000003396
Product Identifier:	SPRAYWAY STAINLESS STEEL CLEANER
Recommended Use:	Cleaner
Manufacturer/Importer/Distributor Information:	PLZ Corp. 2651 WARRENVILLE RD, STE 300 DOWNERS GROVE, IL 60515 800-332-9000
Emergency Telephone:	1-800-424-9300

2. Hazard(s) identification

Classification
Flammable Aerosol, category 1
Aspiration Hazard, category 1
Skin Sensitizer, category 1
Eye Irritation, category 2A

Label elements

HAZARD PICTOGRAMS

SIGNAL WORD
Danger

GHS HAZARD STATEMENTS

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS PRECAUTIONARY STATEMENTS

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours, or spray.
P264	Wash thoroughly after handling.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, eye protection, and face protection
Response	
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage	
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information
None

3. Composition/Information on Ingredients

Mixtures

Chemical Identity	CAS Number	Content in Percent (%)*
Distillates (Petroleum), Hydrotreated Light	64742-47-8	25-50
White Mineral Oil	8042-47-5	25-50
Acetone	67-64-1	10-25
Propane	74-98-6	10-25
d-Limonene	5989-27-5	0.1-1.0
Citral	5392-40-5	0.1-1.0

** All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.*

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash contact area thoroughly with soap and water. Get medical attention if irritation or rash develops or persists. Remove contaminated clothing. Launder clothing before re-use.

EYE CONTACT: Rinse immediately with plenty of water. Flush eyes with plenty of water for 15 minutes, while holding the eyelids apart. Check victim for contact lenses and remove if present. Get medical attention if irritation persists.

INHALATION: Move to fresh air.

INGESTION: Keep the victim calm and warm. Do NOT induce vomiting. If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Get immediate medical attention.

IMPORTANT SYMPTOMS: Aspiration hazard: Harmful or fatal if swallowed. May cause severe eye irritation. May cause allergic skin reaction (sensitization.)

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur. Immediate medical attention is required for ingestion.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Prolonged exposure to temperatures above 50°C / 122°F may cause cans to burst. Vapors may travel considerable distance to a source of ignition and flash back. Combustion may produce carbon dioxide and carbon monoxide.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Leaking cans should be placed in a plastic bag or open pail away from ignition sources until the pressure has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

STORAGE: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

NFPA 30B: Aerosol Level 3

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
Distillates (Petroleum), Hydrotreated Light	200 mg/m3	N.E.	N.E.	N.E.
White Mineral Oil	5 mg/m3	N.E.	5 mg/m3	N.E.
Acetone	250 ppm	500 ppm	1000 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
d-Limonene	N.E.	N.E.	N.E.	N.E.
Citral	5 ppm	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield. Chemical safety goggles should be worn where contact is possible.

SKIN PROTECTION: Wear impervious gloves to prevent skin contact.

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:	
Physical State:	Liquid
Form:	Spray Aerosol
Color:	No data available
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	7
Flash Point, °C:	Not applicable to aerosols
Flammability (solid, gas):	Flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Supports Combustion
Explosive Limits, %:	0.6 - 12.8
Vapor Pressure @20°C, PSI:	No data available
Vapor Density:	No data available
Relative Density:	0.802
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Keep away from heat, sparks, flames, and other sources of ignition. Do not puncture or incinerate containers. Dropping containers may cause bursting.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon dioxide and carbon monoxide.

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause an allergic skin reaction (sensitization) with itching, redness and hives.

EYE CONTACT EFFECTS: Contact may cause severe irritation with redness, tearing and pain.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

ATE ORAL	6,068 mg/kg
ATE DERMAL	6,068 mg/kg
ATE INHALATION	Not classified for acute toxicity based on available data.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
64742-47-8	Distillates (Petroleum), Hydrotreated Light	5,000 mg/kg	5000 mg/kg	>100 mg/l
8042-47-5	White Mineral Oil	5,000 mg/kg	5000 mg/kg	100 mg/l
67-64-1	Acetone	5,800 mg/kg	7,426 mg/kg	50.1 mg/l
74-98-6	Propane	5,000 mg/kg	5,000 mg/kg	100 mg/l
5989-27-5	d-Limonene	5000 mg/kg	5000 mg/kg	100 mg/l
5392-40-5	Citral	6,800 mg/kg	2,000 mg/kg	100 mg/l

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Components:

Acetone	67-64-1	Causes serious eye irritation.

Respiratory or Skin Sensitization:

Product: No data available

Components:

d-Limonene	5989-27-5	May cause an allergic skin reaction.
Citral	5392-40-5	May cause an allergic skin reaction.

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Components:

White Mineral Oil	8042-47-5	May be fatal if swallowed and enters airways.
Distillates (Petroleum), Hydrotreated Light	64742-47-8	May be fatal if swallowed and enters airways.

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk	N/A
Packing Group:	N/A

IATA

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

IMDG

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

The classification shown In this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations.The shipper of this product should consult the applicable mode’s regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper’s discretion.

15. Regulatory Information

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

CHEMICAL INVENTORY STATUS:

TSCA	On or in compliance with the inventory
DSL	All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:

No Proposition 65 chemicals present or warning required.

16. Other Information

Revision Date:	10/8/2024
Datasheet produced by:	Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP FOAMING GLASS CLEANER

Material number : ZUFGC194

Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE
Emerson, GA 30137

Telephone : 404-352-1680

Emergency telephone numbers

For SDS Information	:	Compliance Services 1-877-428-9937
For a Medical Emergency	:	877-541-2016 Toll Free - All Calls Recorded
For a Transportation Emergency	:	CHEMTREC: 800-424-9300 - All Calls Recorded. In the District of Columbia 202-483-7616

Recommended use of the chemical and restrictions on use

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	colourless
Odour	pleasant

GHS Classification

Gases under pressure : Liquefied gas

GHS label elements

Hazard pictograms :

Gas cylinder

Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.

Precautionary statements : **Storage:**
P410 + P403 Protect from sunlight. Store in a well-ventilated place.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
ethanol	64-17-5	>= 1 - < 5
butane	106-97-8	>= 1 - < 5
propan-2-ol	67-63-0	>= 1 - < 5
propane	74-98-6	>= 1 - < 5

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

If inhaled : If unconscious, place in recovery position and seek medical advice.
Consult a physician after significant exposure.

In case of skin contact : If skin irritation persists, call a physician.
Wash off immediately with plenty of water for at least 15 minutes.
If on clothes, remove clothes.

In case of eye contact : Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
Rinse immediately with plenty of water for at least 15 minutes.

If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed : Effects may be delayed, symptoms may include minor eye or skin irritation.
Overexposure may cause mild eye or skin irritation.

Notes to physician : Treat symptomatically. Symptoms may be delayed.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon dioxide (CO2) Carbon monoxide Smoke
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. If the product contaminates rivers and lakes or drains, inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Do not breathe vapours or spray mist. Take precautionary measures against static discharges.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Always replace cap after use.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
Keep in a dry, cool and well-ventilated place.

Materials to avoid : Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm 1,900 mg/m3	CAL PEL
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA P0
		PEL	800 ppm 1,900 mg/m3	CAL PEL
		STEL	1,000 ppm	ACGIH
propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0

		PEL	400 ppm 980 mg/m3	CAL PEL
		STEL	500 ppm 1,225 mg/m3	CAL PEL
propane	74-98-6	TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
		PEL	1,000 ppm 1,800 mg/m3	CAL PEL

Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
PROPAN-2-OL	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

Engineering measures : effective ventilation in all processing areas

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Safety glasses

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a liquefied gas

Colour : colourless

Odour : pleasant

Odour Threshold	:	No data available
pH	:	10 - 11
Melting point/freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0.986 g/cm3
Solubility(ies)		
Water solubility	:	soluble in cold water, soluble in hot water
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	not determined
Thermal decomposition	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical Condition	:	None known.
Symptoms of Overexposure	:	Effects may be delayed, symptoms may include minor eye or skin irritation. Overexposure may cause mild eye or skin irritation. Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	Confirmed animal carcinogen with unknown relevance to humans ethanol 64-17-5 2-butoxyethanol 111-76-2
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

Components:

ethanol:

Acute oral toxicity	:	LD50 Oral Rat: 7,060 mg/kg
Acute inhalation toxicity	:	LC50 Rat: 124.7 mg/l Exposure time: 4 h Test atmosphere: vapour

propan-2-ol:

Acute oral toxicity	:	LD50 Oral Rat: 4,396 mg/kg Method: Calculation method

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water	:	Remarks: No data available

Components:

ethanol :

Partition coefficient: n-octanol/water	:	Remarks: No data available

butane :

Partition coefficient: n-octanol/water	:	Pow: 2.89

propan-2-ol :

Partition coefficient: n-octanol/water	:	log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IMDG (Vessel):
UN1950, AEROSOLS, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Gases under pressure

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

DSL	All components of this product are on the Canadian DSL
TSCA	On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

HEALTH	3
FLAMMABILITY	0
INSTABILITY	0
SPECIAL HAZARD.	

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme

HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	2

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

OSHA - GHS Label Information:

Hazard pictograms :

Gas cylinder

Signal word : **Warning:**
Hazard statements : Contains gas under pressure; may explode if heated.
Precautionary statements :

Storage: Protect from sunlight. Store in a well-ventilated place.

Version:	5.0
Revision Date:	12/07/2022
Print Date:	12/13/2022

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information:	1000000075
Product Identifier:	SPRAYWAY GLASS CLEANER
Recommended Use:	Cleaner
Manufacturer/Importer/Distributor Information:	PLZ CORP 2651 WARRENVILLE RD, STE 300 DOWNERS GROVE, IL 60515 US 800-332-9000
Emergency Telephone:	866-836-8855

2. Hazard(s) identification

Classification
Compressed Gas

Label elements

HAZARD PICTOGRAMS

SIGNAL WORD
Warning

GHS HAZARD STATEMENTS

H280	Contains gas under pressure; may explode if heated.

GHS PRECAUTIONARY STATEMENTS

Prevention
None

Response
None

Storage

P410+P403	Protect from sunlight. Store in a well-ventilated place.

Disposal
None

Other Information
None

3. Composition/Information on Ingredients

Mixtures

Chemical Identity	CAS Number	Content in Percent (%)*
Ethanol	64-17-5	2.5-10
2-Butoxyethanol	111-76-2	2.5-10
Propane	74-98-6	1.0-2.5
Butane	106-97-8	1.0-2.5

** All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.*

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

INHALATION: Move to fresh air.

INGESTION: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressurized container may explode when exposed to heat or flame.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: Observe good industrial hygiene practices.

STORAGE: No data available

NFPA 30B: Aerosol Level 1

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
Ethanol	N.E.	1000 ppm	1000 ppm	N.E.

2-Butoxyethanol	20 ppm	N.E.	50 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
Butane	N.E.	1000 ppm	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Spray Aerosol
Color:	Yellow
Odor:	Fresh
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	78
Flash Point, °C:	-104
Flammability (solid, gas):	Non-flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Does not Support Combustion
Explosive Limits, %:	1.1 - 19.0
Vapor Pressure @20°C, PSI:	70 - 90
Vapor Density:	No data available
Relative Density:	0.979
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

SAFETY DATA SHEET
Goof Off Professional Strength

Printed: 09/24/2024
Revision: 09/24/2024
Supersedes Revision: 02/18/2020

This SDS complies with the Canadian Hazardous Products Regulations of 2015.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Professional Strength

Company Name: W. M. Barr and Company, Inc.
2105 Channel Avenue
Memphis, TN 38113

Phone Number: (901)775-0100

Web site address: www.wmbarr.com

Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346

Information: W.M. Barr Customer Service (800)398-3892

Product Category: General Purpose Adhesive Remover

Intended Use: Multi-Purpose Remover for tar, ink, paint, adhesive, etc.

Product Code: FG612, FG631, FG653, FG654, FG654LWS, FG656AM, FG657, FG661, FG661CAN

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Carcinogenicity, Category 2
Skin Irritation, Category 2
Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (repeated exposure), Category 2 - Auditory system.

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H351 - Suspected of causing cancer .
H370 - Causes damage to organs
H373 - May cause damage to - Auditory system. through prolonged or repeated exposure.

GHS Precautionary Phrases:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe fumegas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated

clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+311 - If exposed of concerned: Call a POISON CENTER/Doctor/...
P313 - Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment see label.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362+364 - Take off contaminated clothing and wash it before reuse.
P370+378 - In case of fire, use dry chemical powder to extinguish.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): **See above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	Molecular Formula
67-64-1	Acetone {2-Propanone}	60.0 -80.0 %	C3H6O
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	7.0 -13.0 %	C6H4(CH3)2
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	5.0 -10.0 %	C8H15BrO2
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 -5.0 %	CH3CH2C6H5
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	1.0 -5.0 %	CH3OH

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Skin:
IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
Eyes:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention immediately.
Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability Classification:	NFPA Class IB
Flash Point:	-17.2 C (1.00 F) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Unsuitable Extinguishing Media:	**None known.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary.
Flammable Properties and Hazards:	Vapor may travel considerable distance to source of ignition and flash back.
Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Stay upwind.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Use non-sparking tools.

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Dike far ahead of spill for later disposal.

Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Do not reuse this container.

Read carefully and follow all instructions.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Precautions To Be Taken in Storing:	Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.
Other Precautions:	Keep away from heat, sparks, and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	ACGIH TLV	TLV: 100 ppm STEL: 150 ppm	
		OSHA PELs	PEL: 100 ppm	
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	ACGIH TLV	TLV: 100 ppm	
		OSHA PELs	PEL: 500 ppm	
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	ACGIH TLV	TLV: 100 ppm STEL: 125 ppm	
		OSHA PELs	PEL: 100 ppm	
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		OSHA PELs	PEL: 200 ppm	

Personal Protective Equipment Symbols:

Respiratory Equipment (Specify Type): Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Protective Gloves: Wear appropriate gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: solvent odor. Odor threshold not determined.

pH: N.D.

Melting Point: N.D.

Boiling Point: 37.7 C (99.90 F)

Flash Point: -17.2 C (1.00 F) Setaflash Closed Cup (Rapid Setaflash)

Evaporation Rate: > 1

Flammability (solid, gas): No data available.

Explosive Limits: LEL: N.D. UEL: N.D.

Vapor Pressure: N.D.

Vapor Density (vs. Air=1):	N.D.
Specific Gravity (Water=1):	0.8200 - 0.8248
Density:	6.84 - 6.88 LB/GL
Solubility in Water:	No data.
Solubility Notes:	Partial or Limited Solublity.
Saturated Vapor Concentration:	N.D.
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	100.0 % by weight.
VOC / Volume:	20.0000 % WT
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	< 5 cps
a_fld_hdr[9]:	VOC (g/L): 163.25 g/L max.
	ND = Not Determined.

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Carbon monoxide, Carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	**None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for health effects.

CAS# 67-64-1:
Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.
Result:
Behavioral: Change in motor activity (specific assay).
Behavioral: Alteration of classical conditioning.
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 1330-20-7:
Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.
Result:
Behavioral: Muscle contraction or spasticity.
Lungs, Thorax, or Respiration:Other changes.
- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.
Result:
Behavioral: General anesthetic.
Behavioral: Somnolence (general depressed activity).
Behavioral: Irritability.
- "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 100-41-4:
Tumorigenic Effects:, TCLo, Inhalation, Rat, 750.0 ppm.
Result:
Tumorigenic: Carcinogenic by RTECS criteria.
Kidney, Ureter, Bladder: Tumors.

Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe.
Result:
Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).
Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

Carcinogenicity/Other Information: ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans.
ACGIH A4 - Not Classifiable as a Human Carcinogen.
IARC 2B - Possibly Carcinogenic to Humans.
IARC 3: Not Classifiable as to Carcinogenicity in Humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	n.a.	n.a.	n.a.	n.a.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	n.a.	2B	A3	n.a.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Paint related material.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1263 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Paint related material.
UN Number: UN1263 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

Additional Transport Information: The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-64-1	Acetone {2-Propanone}	No	Yes NA	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes (13%)
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	No	No	No
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes NA	Yes (5%)
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes NA	Yes (5%)

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
67-64-1	Acetone {2-Propanone}	No	No	Yes
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	Yes: Part 5		Yes
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	Yes: Part 5	No	Yes
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	Yes: Part 1A	No	Yes
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	Yes: Part 5		Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	TSCA: Inventory
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.

Additional Regulatory Information

This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. OTHER INFORMATION

Revision Date: 09/24/2024 **Previous revision:** 02/18/2020

Preparer Name: W.M. Barr Regulatory Department

Additional Information About This Product: No data available.

Company Policy or Disclaimer:

Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Jul 2020 and New Zealand HSNO

Windex Glass Cleaner, Original

Version *1*.3

Print Date 07.05.2025

Revision Date 19.03.2024

SDS Number 350000028176

GEN_SOF Number 75727

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier	:	**Windex Glass Cleaner, Original**
Other means of Identification	:	350000028176
Recommended use	:	Hard Surface Cleaner
Restrictions on use	:	Use only as directed on label
Australia	:	S.C. Johnson & Son Pty. Ltd. ABN 71. 000 021 009 160 Epping Road, Lane Cove, N.S.W. 2066. Australia Telephone: +61 2 9428 9111
New Zealand	:	S.C. Johnson & Son Pty. Ltd 79 Queen Street Auckland 1010 New Zealand Telephone: +64 9 573 2850
Emergency telephone numbers	:	Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST) +61 2 9428 9111 New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850
Poison Information Contacts	:	Australia: 13 11 26 New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

No Hazards identified.

* *Classification not adopted by Australia*

^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

Statement of Hazardous Nature (New Zealand)

Labelling - Australia **

Precautionary statements
(P102) Keep out of reach of children.
Other hazards : None identified

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures
Eye contact : No special requirements

:

Skin contact : No special requirements

: No special requirements

Inhalation : No special requirements.

: No special requirements.

Ingestion : No special requirements

: No special requirements

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed	:	See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards arising from substance	:	Container may melt and leak in heat of fire.
	:	Container may melt and leak in heat of fire.
Special protective equipment and precautions for fire fighters	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.
	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wash thoroughly after handling.
	:	Wash thoroughly after handling.
Environmental precautions	:	Outside of normal use, avoid release to the environment.
	:	Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up	:	Dike large spills. Clean residue from spill site.
	:	Dike large spills. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.
	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	:	Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers	:	Keep container closed when not in use.
	:	Keep container closed when not in use.
Other data	:	Stable under normal conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection	:	No special requirements. No special requirements.
Hand protection	:	No special requirements. No special requirements.
Eye protection	:	No special requirements. No special requirements.
Skin and body protection	:	No special requirements. No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	blue
Odor	:	floral
Odour Threshold	:	Test not applicable for this product type
pH	:	10.7 at (25 C)

Melting point/freezing point	:	0 C
Initial boiling point and boiling range	:	100 C
Flash point	:	does not flash
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	Does not sustain combustion.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Calculated31.7 hPa
Vapour density	:	Test not applicable for this product type
Relative density	:	1.00 g/cm3 at 25 C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Heating can release hazardous gases.
Viscosity, dynamic	:	similar to water

Viscosity, kinematic	:	similar to water
Oxidizing properties	:	Test not applicable for this product type
Other information	:	None identified :

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored normally.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	:	Direct sources of heat.
Conditions to avoid	:	Direct sources of heat.
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases None known.
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.1 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation^	No classification proposed	-
Respiratory sensitisation^	No classification proposed	-

Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.
None known.

* *Classification not adopted by Australia*
^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity
The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	:	Consumer may discard empty container in trash, or recycle where facilities exist. Consumer may discard empty container in trash, or recycle where facilities exist.
Disposal of any contaminated packaging	:	Do not re-use empty containers. Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport
Not classified as dangerous in the meaning of transport regulations.

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

§ ***Land transport***: *Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.*

15. REGULATORY INFORMATION

Poisons Schedule (Australia): : NOT SCHEDULED

Windex Glass Cleaner, Original

Version *1*.3 Print Date 07.05.2025

Revision Date 19.03.2024 SDS Number 350000028176

GEN_SOF Number 75727

HSNO Approval Number (NZ): : : Not applicable

16. OTHER INFORMATION

Revision Date: 19.03.2024

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)

SAFETY DATA SHEET

13-Sep-2018

1. IDENTIFICATION

Product identifier
Product Name 101 Regular Bleach

Other means of identification
Product UPC 54200-04053
Product Code 11006755042

Recommended use of the chemical and restrictions on use
Recommended Use Consumer use. Cleaning agent. Chlorine-based bleaching agents.
Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet
Supplier Address
James Austin Company
115 Downieville Road
PO Box 827
Mars, PA 16046
Tel: 1-800-845-1942

Emergency telephone number
Emergency Telephone Poison Control Center (Medical) : (866) 366-5048
Chemtrec (Transportation) 1-800-424-9300, 703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Label elements

Emergency Overview

Warning

Hazard statements
Causes skin irritation
Causes serious eye irritation

Color light yellow **Physical state** liquid **Odor** Slight chlorine

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements - Storage
Keep out of reach of children. Store in a well-ventilated place. Store in a closed container. Protect from sunlight.

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	1 - 5

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin contact Wash skin with soap and water. If symptoms persist, call a physician.

Inhalation Remove to fresh air.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical
No information available.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Acids, Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. .

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	aqueous solution	**Odor**	Slight chlorine
Color	light yellow	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	12.0 - 12.5	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	~1.04	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Density	No information available	
Bulk density	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Incompatible materials. Extremes of temperature and direct sunlight.

Incompatible materials
Acids, Ammonia.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye contact Avoid contact with eyes. May cause irritation.

Skin contact Avoid contact with skin. May cause irritation.

Ingestion May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8.91 g/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility
No information available.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Note: Product classified as UN 3077 or UN 3082 that are shipped in containers not exceeding 5 kg or 5 L may ship as Not Subject to the provisions of the IMDG Code and Not Restricted under IATA. Refer to IMDG Ch 2.10 and IATA SP-197.

DOT Not regulated

TDG Not regulated

IATA

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III

IMDG

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III
Marine pollutant	This material meets the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number This product does not contain any substances regulated as pesticides

Difference between SDS and CPSC label

This product is regulated under Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act (16 CFR Part 1500) . These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace product labels.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	**Health hazards** 2	**Flammability** 0	**Instability** 0	**Physical and Chemical Properties** -
HMIS	**Health hazards** 2	**Flammability** 0	**Physical hazards** 0	**Personal protection** B

Prepared By	Regulatory Affairs
Revision Date	13-Sep-2018
Revision Note	No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination

with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision Date: *17-Feb-2023* **Revision Number:** *9*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**COROTECH COMMAND WATERBORNE ACRYLIC URETHANE SATIN BASE 1**
Product Code	**V3921X**
Alternate Product Code	V3921X
Product Class	Water thinned paint
Color	All
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com/Corotech

Emergency Telephone
CHEMTREC: +1 703-741-5970 / 1-800-424-9300
+1 703-527-3887 (outside US & Canada)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1A
Germ cell mutagenicity	Category 1B
Reproductive toxicity	Category 1B

Label elements

Danger

Hazard statements
May cause an allergic skin reaction
May cause genetic defects
May damage fertility or the unborn child

Appearance liquid

Odor little or no odor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Skin
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No	Weight-%
Titanium dioxide	13463-67-7	15 - 20
Kaolin	1332-58-7	1 - 5
Ethylene glycol mono-2-ethylhexyl ether	1559-35-9	1 - 5

Zinc phosphate	7779-90-0	1 - 5
Ammonium hydroxide	1336-21-6	0.1 - 0.5
Alcohols, C12 - 14, ethoxylated	68439-50-9	0.1 - 0.5
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	104810-48-2	0.1 - 0.5
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	10605-21-7	0.1 - 0.5
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop	104810-47-1	0.1 - 0.5
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester	41556-26-7	0.1 - 0.5

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects May cause allergic skin reaction.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)	250
Flash Point (°C)	121
Method	PMCC

Flammability Limits In Air

Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA

Health hazards	2
Flammability	0
Stability	0
Special:	Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA: 0.2 mg/m³ nanoscale respirable particulate matter TWA: 2.5 mg/m³ finescale respirable particulate matter	15 mg/m³ - TWA
Kaolin	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	15 mg/m³ - TWA 5 mg/m³ - TWA
Ammonium hydroxide	STEL: 35 ppm TWA: 25 ppm	-

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs./gal)	10.3 - 10.7
Specific Gravity	1.23 - 1.29
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure @20 °C (kPa)	No information available
Relative vapor density	No information available
Wt. % Solids	45 - 55
Vol. % Solids	35 - 45
Wt. % Volatiles	45 - 55
Vol. % Volatiles	55 - 65
VOC Regulatory Limit (g/L)	< 150
Boiling Point (°F)	212

Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	250
Flash Point (°C)	121
Method	PMCC
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization May cause an allergic skin reaction
Neurological Effects No information available.
Mutagenic Effects Suspected of causing genetic defects.
Reproductive Effects May damage fertility or the unborn child.
Developmental Effects No information available.
Target organ effects No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Other adverse effects No information available.
Aspiration Hazard No information available

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 21741 mg/kg
ATEmix (inhalation-dust/mist) 348.1 mg/l

Component Information Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Ethylene glycol mono-2-ethylhexyl ether 1559-35-9	= 3080 mg/kg (Rat)	= 2120 mg/kg (Rabbit) = 2120 µL/kg (Rabbit)	-
Zinc phosphate 7779-90-0	> 5000 mg/kg (Rat)	-	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg (Rat)	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	> 5050 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester 41556-26-7	= 2615 mg/kg (Rat)	-	-

Chronic Toxicity

Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA
Titanium dioxide	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
There is no data for this product.

Mobility in Environmental Media
No information available.

Ozone
Not applicable

Component Information

Acute Toxicity to Fish

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
LC50: 1.5 mg/L (Rainbow Trout - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
LC50: 0.22 mg/L (water flea - 48 hr.)

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	CERCLA/SARA 313 (de minimis concentration)
Zinc phosphate	7779-90-0	1 - 5	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

None

US State Regulations

California Proposition 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Ethylene glycol which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

U.S. State Right-to-Know Regulations

Chemical name	Massachusetts	New Jersey	Pennsylvania
Titanium dioxide	X	X	X
Kaolin	X	X	X
Zinc phosphate		X	X
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester		X	

Legend
X - Listed

16. OTHER INFORMATION

HMIS

Health hazards	2*
Flammability	0
Reactivity:	0
Personal protection	-

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By

Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Issuing Date	03-Dec-2021
Revision Date:	17-Feb-2023
Revision Summary	Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet

SAFETY DATA SHEET

Product Name: Ten or Mistolin Disinfectant Cleaner

Product no. 1565664

SECTION 1. PRODUCT IDENTIFICATION AND COMPANY

Other means of identification : **EPA Registration number** : **6836-152-92262**
Recommended use : Cleaner and disinfectant
Restrictions on use : Household disinfectant

Company : Mistolin Caribe, Inc.
Calle A # 28
Urb Industrial Luchetti
Bayamon, P.R. 00959
787-785-6805

Emergency health Information : 1-800-222-1222

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Inhalation) : Category 4

GHS label elements

Product

HAZARD PICTOGRAMS:

Signal Word : Caution

Hazard Statements : Harmful if inhaled.

Precautionary Statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area.
Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Ingestion: Immediate call POISON Center or doctor/ physician.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Concentration (%)
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.015
Octyl Decyl Dimethylammonium Chloride	32426-11-2	0.025
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	0.034
Dioctyl Dimethyl Ammoniun Chloride	5538-94.3	0.010

SECTION 4. FIRST AID MEASURES

Product

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Special protective equipment for fire-fighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: Clear, yellow
Odor	: Citric Disinfectants
pH	8.5
Flash point	: >200, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0.999 - 1.008
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: noctanol/	

water	
	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	
	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	
	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

: Inhalation, Eye contact, Skin contact

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Harmful if inhaled.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No information available.

Toxicity

Acute oral toxicity	: Acute toxicity estimate : 450 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate :127.4 mg/l
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye Irritation	: No data available
Respiratory or skin Sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available

Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Based on ecotoxicity and fact data for the individual ingredients in this specific formulation and for related cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long term adverse effects in the environment. This product has no known ecotoxicological effects.

Components

Chemical Name	Algae/aquatic plants	Fish	Crustacea
: **Didecyl Dimethyl Ammonium Chloride**		5: 96 h LC50 Fish: 1 mg/l	
Ethanol		96 h LC50 Pimephales promelas: > 100 mg/l	2.0 -16.0:96 h Onchorhynchus mykiss ml/L LC 50 static 100: 96 h Pimephales promelas mg/L LC50 Static 13400-15100:96 h Pimephales promelas mg/L LC50 Flow-through
Tetrasodium EDTA	1:01:72 h Desmodesmus subsoucatus mg/L EC50	9.8 96 h Pimephales pomelas mg/L LC50 static 41:96 h Lepomis macrochirius mg/L LC 50	
Sodium Metasilicate		10: 96 h Brachidanio rerio mg/L LC50 Brachidanio rerio mg/L LC50 static	216: 96 h Daphnia magna mg/L EC50
Trisodium nitrilotriacetate	560- 1000:96 h Chlorrella vulgaris mg/L	72-133: 96 h Onchorhynchus mykiss mg/L LC50 Static 175-225: 96 h Lepomis macrochirius mg/L LC50 static 252:96 h Lepomis macrochirius mg/L LC50 470:96 h Pimephales promelas mg/L LC50 static 93-170:96 h Pimephales promelas mg/L LC50 flow-through 560-1000:96 h Poecilia reticulata mg/L LC50 semi static 560-1000:96 h Poecilia reticulata mg/L LC50 114: 96 h Pimephales promelas mg/L LC50 560-1000: 96 H latipes mg/L LC50 560-1000: 96 h Oryzias latipes mg/L LC50 semi- static Lepomis macrochirius mg/L	560-1000: 48 h Daphnia magna mg/L LC 50
sodium hydroxide		5.4: 96h Onchorhynchus mykiss mg/l LC50	

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Land transport (DOT) **Not regulated**

Sea transport (IMDG/IMO) **Not regulated**

Marine /Water Transport **Not regulated**

SECTION 15. REGULATORY INFORMATION

EPA Registration number : **6836-152-92262**

HCS Classification : Not regulated

SECTION 16. OTHER INFORMATION

Product AT USE DILUTION
NFPA: **HMIS III:**

Revision date : 3-30-2020

Version : 1.1

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

SAFETY DATA SHEET

1. Identification

Product identifier **CIDEZYME XTRA Multi Enzymatic Detergent**

Other means of identification

SDS number 11205-US

Product number 22591

Recommended use Detergent.

Recommended restrictions For professional use only.

Manufacturer/Importer/Supplier/Distributor information

Company name Advanced Sterilization Products,Inc.

Address 33 TECHNOLOGY DRIVE
IRVINE, CA 92618

Country US

Telephone number 1-888-783-7723

E-mail ASP-SDS@asp.com

24-Hour emergency phone number CHEMTREC US: 1-800-424-9300 CCN 795874

CHEMTREC International: +1 703-741-5970

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, respiratory Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement

Prevention Avoid breathing mist. In case of inadequate ventilation wear respiratory protection.

Response If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Propane -1,2 -diol	57-55-6	20 - 30
Disodium tetraborate decahydrate	1303-96-4	1 - < 3

Lipase, triacylglycerol	9001-62-1	0.1 - < 1
Subtilisin	9014-01-1	0.1 - < 1

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

4. First-aid measures

Inhalation

In case of inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Exposure may cause temporary irritation, redness, or discomfort. Sensitization.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

To maintain product quality, do not store in heat or direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store in original container. Recommended storage temperature: 15 - 30 °C.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Disodium tetraborate decahydrate (CAS 1303-96-4)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Subtilisin (CAS 9014-01-1)	Ceiling	0.00006 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Disodium tetraborate decahydrate (CAS 1303-96-4)	TWA	5 mg/m3
Subtilisin (CAS 9014-01-1)	STEL	0.00006 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
Propane -1,2 -diol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

Skin protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Blue.

Odor Detergent.

Odor threshold Not available.

pH 7.8 - 8.8

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.1
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Heat, sparks, flames. Avoid frost.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	In case of inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Exposure may cause temporary irritation, redness, or discomfort. Sensitization.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
Disodium tetraborate decahydrate (CAS 1303-96-4)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
Dust		
LC50	Rat	> 2.04 mg/l, 4 Hours
Oral		
LD50	Rat	> 2500 mg/kg

Components	Species	Test Results
Propane -1,2 -diol (CAS 57-55-6)		
Acute		
Dermal		
LD50	Rabbit	20800 mg/kg
Oral		
LD50	Rat	22000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity The product contains a small amount of substance that may damage fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

Further information No data available.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Disodium tetraborate decahydrate (CAS 1303-96-4)			
Acute			
	LC50	Limanda limanda	74 mg/l, 4 days
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	79.7 mg/l, 4 days
Propane -1,2 -diol (CAS 57-55-6)			
Aquatic			
Acute			
Algae	EC50	Selenastrum capricornutum	19000 mg/l, 72 hours
Crustacea	LC50	Ceriodaphnia	18340 mg/l, 48 hours
Fish	LC50	Pimephales promelas	46500 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)	All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Disodium tetraborate decahydrate (CAS 1303-96-4)

US. New Jersey Worker and Community Right-to-Know Act

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

US. Rhode Island RTK

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Disodium tetraborate decahydrate (CAS 1303-96-4)
Subtilisin (CAS 9014-01-1)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 06-February-2020

Revision date 07-June-2021

Version # 1.1

HMIS® ratings Health: 1*
Flammability: 0
Physical hazard: 0

List of abbreviations LD50: Lethal Dose 50%.
LC50: Lethal Concentration 50%.
EC50: Effective Concentration 50%.

References HSDB® - Hazardous Substances Data Bank

Disclaimer Advanced Sterilization Products cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

ATTACHMENT 3
NYSDOH Air Quality Questionnaire

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 Talia Ritchie Date/Time Prepared 04/17/2026

Preparer's Affiliation Haley & Aldrich of New York Phone No._____

Purpose of Investigation Post-Activation of SSDS

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ 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? 63

If the property is commercial, type?

Business Type(s) N/A

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

Other characteristics:

Number of floors 8 Building age 2 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

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

Infiltration into air ducts

_____

_____

_____

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

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	(full)	crawlspace	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	(unsealed)	sealed	sealed with _____	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	(unsealed)	sealed	sealed with _____	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	(Y) / N			
k. Water in sump?	(Y) / N / not applicable			

Basement/Lowest level depth below grade: 12 (feet)

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

N/A

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: _____

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

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

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.

_____

_____

_____

_____

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	Laundry, Gym workshop, storage, study room, trash, commercial space
1st Floor	Mail room, lobby, commercial space
2nd Floor	Residential Units
3rd Floor	Residential Units
4th Floor	Residential Units

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?_____

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: 8/10/2024
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

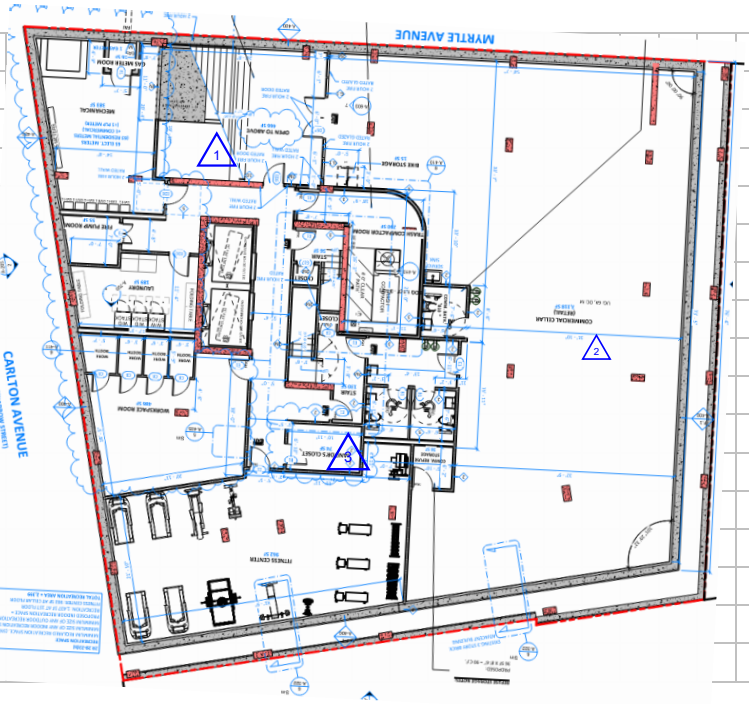
c. Responsibility for costs associated with reimbursement explained? Y / N

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

11. FLOOR PLANS

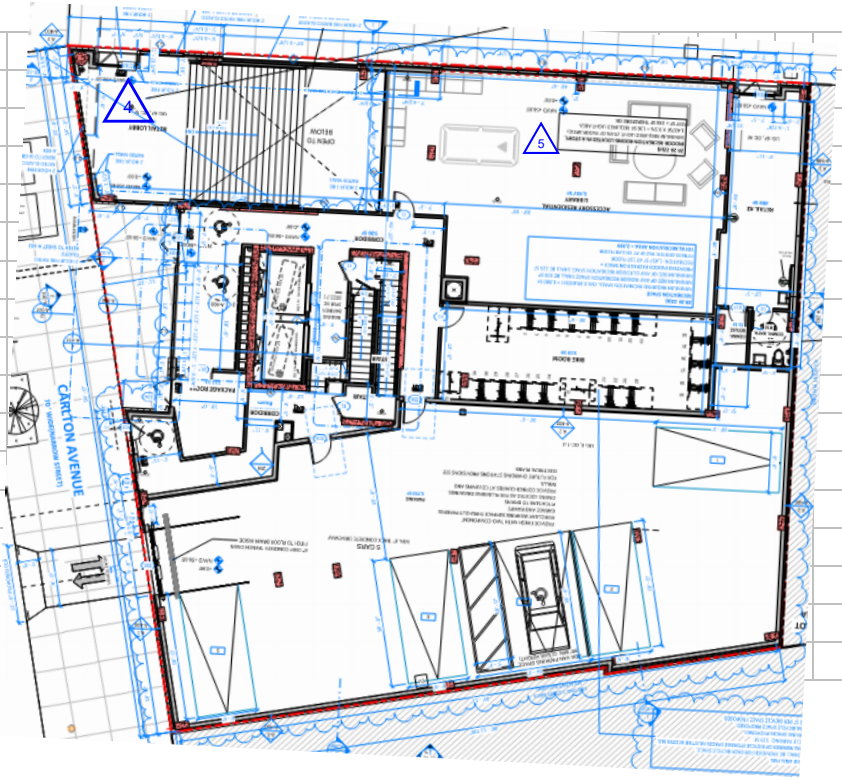
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



Indoor Air Sample

First Floor:

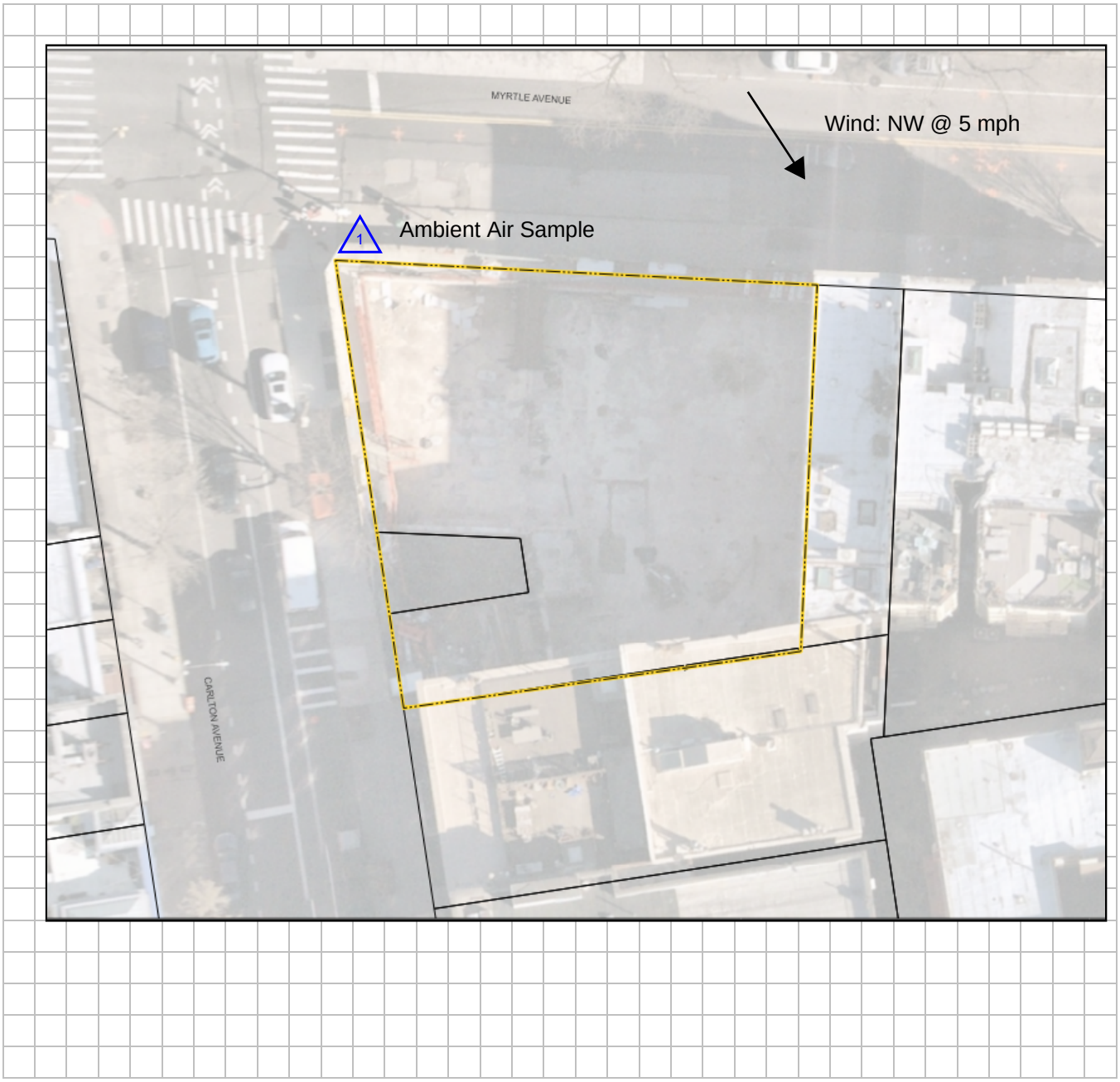


Indoor Air Sample

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: PPB Rae

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
First Floor	Pro Dope Pipe Joint Compound	6-lbs	U	Attached SDS	0.0	Y
First Floor	Clear Cutting Oil	1-gal.	U	Attached SDS	0.0	Y
Trash Compactor	Stainless Steel Polish	15-oz.	U	Attached SDS	0.0	Y
Trash Compactor	Stainless Steel Spay	15-oz.	U	Attached SDS	0.0	Y
Trash Compactor	Foaming Glass Cleaner	19-oz.	U	Attached SDS	0.0	Y
Trash Compactor	Glass Cleaner	19-oz.	U	Attached SDS	0.0	Y
Trash Compactor	Goof Off	1-gal.	U	Attached SDS	0.0	Y
Trash Compactor	Windex	32-fl oz	U	Attached SDS	0.0	Y
Trash Compactor	101 Regular Bleach	1-gal.	U	Attached SDS	0.0	Y
Stair A	Waterborne Acrylic Eurothane	5-gal.	U	Attached SDS	0.0	Y
Cellar	Mistolin	15-fl oz	U	Attached SDS	0.0	Y
Cellar	Xtra Dishwashing Soap	24-fl oz	U	Attached SDS	0.0	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.

SAFETY DATA SHEET

1. Identification

Product identifier **Hercules Pro Dope**

Other means of identification

Product code 7377E

Synonyms Part Numbers: 15420, 15427, 15433, 15435, 15445

Recommended use Not available.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name HCC Holdings, Inc. an Oatey Affiliate

Address 4700 West 160th Street
Cleveland, OH 44135

Telephone 216-267-7100

E-mail info@oatey.com

Transport Emergency Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)

Emergency First Aid 1-877-740-5015

Contact person MSDS Coordinator

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, skin Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement May cause an allergic skin reaction.

Precautionary statement

Prevention Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Calcium carbonate	1317-65-3	50-60
Petroleum-based Lubricating Oil	64741-88-4	20-40
Kaolin	1332-58-7	10-20
Menhaden oil	8002-50-4	1-5

Quartz	14808-60-7	<1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed Upper respiratory tract irritation. Irritation of eyes and mucous membranes. Coughing. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium carbonate (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Kaolin (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Petroleum-based Lubricating Oil (CAS 64741-88-4)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Calcium carbonate (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Kaolin (CAS 1332-58-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
Petroleum-based Lubricating Oil (CAS 64741-88-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form	Liquid. Paste.
Color	Gray.
Odor	Fish oil
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	30000 cP
Other information	
VOC (Weight %)	11 g/l

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Acids. Fluorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Coughing. May cause an allergic skin reaction. Dermatitis. Rash. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Information on toxicological effects

Acute toxicity	May cause an allergic skin reaction.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7) 1 Carcinogenic to humans.

NTP Report on Carcinogens

Quartz (CAS 14808-60-7) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Petroleum-based Lubricating Oil (CAS 64741-88-4)
Quartz (CAS 14808-60-7)

US. New Jersey Worker and Community Right-to-Know Act

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Petroleum-based Lubricating Oil (CAS 64741-88-4)
Quartz (CAS 14808-60-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Calcium carbonate (CAS 1317-65-3)
Kaolin (CAS 1332-58-7)
Quartz (CAS 14808-60-7)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Methanol (CAS 67-56-1)
Quartz (CAS 14808-60-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 05-February-2015

Revision date -

Version # 01

HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier	**Hercules Clear Cutting Oil**
Other means of identification	
Product code	**7335E**
Synonyms	Part Numbers: 40110, 40115, 40120, 40125, 40140
Recommended use	Thread Cutting Oil
Recommended restrictions	None Known
Manufacturer/Importer/Supplier/Distributor information	
Company Name	HCC Holdings, Inc. an Oatey Affiliate
Address	4700 West 160th Street Cleveland, OH 44135
Telephone	216-267-7100
E-mail	info@oatey.com
Transport Emergency	Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)
Emergency First Aid	1-877-740-5015
Contact person	MSDS Coordinator

2. Hazard(s) identification

Physical hazards	Not Classified.
Health hazards	Not Classified
OSHA defined hazards	Not Classified.
Label elements	
Hazard symbol	None.
Signal word	None
Hazard statement	This product does not require any hazard statements.
Precautionary statement	
Prevention	This product does not require any precautionary statements.
Response	This product does not require any precautionary statements.
Storage	Not applicable.
Disposal	Not applicable.
Hazard(s) not otherwise classified (HNOC)	Used Oil may contain harmful impurities.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Petroleum Hydrocarbon Mixture	Mixture	>95

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

	personnel. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Ingestion may result in nausea, vomiting, and or diarrhea.
Indication of immediate medical attention and special treatment needed.	Immediate medical attention is not required.
General information	Note to physician, treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water in a jet.
Specific hazards arising from the chemical	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases, oxides of sulfur and phosphorous (smoke). Carbon monoxide.
Special protective equipment and precautions for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Fire fighting equipment/instructions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Specific methods	None
General fire hazards	None

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Methods and materials for containment and cleaning up	Large Spills: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal. Small Spills: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and storage

Precautions for safe handling	Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires. Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Oil Mist, Mineral	TLV or PEL	5 mg/m3

US OSHA Permissible Exposure Limits

Components	Type	Value

Biological limit values Data Not available.

Appropriate engineering controls No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards None.

General hygiene considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Physical state Liquid

Form Liquid

Color Dark Amber

Odor Slight hydrocarbon

Odor threshold Not available.

pH Not applicable

Melting point/freezing point No data available.

Initial boiling point and boiling range Not determined

Flash point > 340 °F (> 171°C)

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available

Flammability limit – upper (%) Not available

Explosive limit - lower (%) Not available

Explosive limit - upper (%) Not available

Vapor pressure Not applicable

Vapor density Not applicable

Relative density 0.91

Solubility(ies)

Solubility (water) Negligible

Partition coefficient (n-octanol/water) >6 based on similar products

Auto-ignition temperature Not applicable

Decomposition temperature	Not available
Viscosity, kinematic	27.5 – 33.5 mm2/s @ 40 °C
Other information	
VOC (Weight %)	< 1% by weight, < 10 g/L

10. Stability and reactivity

Reactivity	The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph..
Chemical stability	The product is stable.
Possibility of hazardous reaction	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Extreme temperature and direct sunlight.
Incompatible materials	Strong Oxidizing Agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Mist from processing.
Skin contact	Skin contact.
Eye contact	Eye contact.
Ingestion	No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics	No specific data.

Information on likely routes of exposure
Acute Toxicity

Components	Species	Results

Skin corrosion/irritation	May cause skin irritation after prolonged exposure. Prolonged exposure or repeated exposure without proper cleaning can clog pores of the skin.
Serious eye damage/eye irritation	Expected to be slightly irritating.
Respiratory or skin sensitization	
Respiratory sensitization	Inhalation of vapors or mists may cause irritation to the respiratory system.
Skin sensitization	This product is not expected to cause skin irritation.
Germ cell mutagenicity	Not considered a mutagenic hazard
Carcinogenicity	No component of this product is identified as a probable, possible, or confirmed carcinogen by IARC, NTP, Monographs, or OSHA.
Reproductive toxicity	No known significant effects or critical hazards.
Specific target organ toxicity	
Single exposure	Not expected to be a hazard.
Repeated exposure	Not expected to be a hazard.
Aspiration Hazard	Contains Distillates (petroleum), hydrotreated – Which is a category 1 Aspiration Hazard. The likely hood of aspirating the product in this form is very low due to the high viscosity.
Chronic effects	Not Classified.
Further information	Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used oil should be handled with caution and skin contact should be avoided when possible.

12. Ecological information

Ecotoxicity

Product/ingredient name	Results	Species	Exposure

Persistence and degradability	Not Available.

Bio accumulative potential	Not Available.
Mobility in soil	Liquid under most conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Other adverse effects	No known significant effects of critical hazards.

13. Disposal considerations

Disposal instructions	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Local disposal regulations	Not Applicable
Hazardous waste code	Not Applicable

14. Transportation information

DOT	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
IATA	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
IMDG	Not Regulated
UN number	
UN Proper Shipping Name	
Transportation Hazard classes	
Packing group	
Environmental hazards	
Marine polluntant	

15. Regulatory information

International Inventories All the substances contained in this product are listed or exempted from listing in the following inventories:
U.S.A. (TSCA)

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Issue Date	12-May-2015
Revision Date	-
Version #	01
HMIS Rating	Health: 1 Flammability: 1 Physical Hazards: 0
Disclaimer	HCC Holdings Inc. an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier: STAINLESS STEEL POLISH - OIL BASE - K01010

Other means of identification
SDS number: RE1000040328

Recommended restrictions
Product use: Cleaner
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	VICTORIA BAY PRODUCTS
Address:	255 ROUTE 1 & 9 JERSEY CITY, NJ 07306
Telephone:	800-226-3233
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol	Category 1

Health Hazards

Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Toxicity - Single Exposure	Category 3[1.]
Aspiration Hazard	Category 1

Target Organs
1. Narcotic effect.

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
Extremely flammable aerosol.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Distillates (petroleum), hydrotreated light	64742-47-8	20 - <50%
White mineral oil (petroleum)	8042-47-5	20 - <50%
Propane	74-98-6	10 - <20%
2-Propanone	67-64-1	10 - <20%
Acetic acid, methyl ester	79-20-9	5 - <10%
Methanol	67-56-1	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion: Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation: Move to fresh air.

Skin Contact: Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.

5. Fire-fighting measures

General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Vapors may travel considerable distance to a source of ignition and flash back.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling:	Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Conditions for safe storage, including any incompatibilities:	Store locked up. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 3

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated light	REL	100 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Distillates (petroleum), hydrotreated light - Non-aerosol. - as total hydrocarbon vapor	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
	TWA	200 mg/m3	US. ACGIH Threshold Limit Values (2008)
White mineral oil (petroleum) - Mist.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (01 2010)
Propane	REL	1,000 ppm 1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
2-Propanone	STEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	1,000 ppm 2,400 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	250 ppm	US. ACGIH Threshold Limit Values (03 2015)
	TWA	750 ppm 1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	500 ppm	US. ACGIH Threshold Limit Values (03 2015)
	REL	250 ppm 590 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Acetic acid, methyl ester	REL	200 ppm 610 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	STEL	250 ppm 760 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 610 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (2008)
	TWA	200 ppm 610 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 760 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
Methanol	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm 260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	250 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	200 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	250 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	250 ppm 325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanone (acetone: Sampling time: End of shift.)	25 mg/l (Urine)	ACGIH BEL (03 2015)
Methanol (methanol: Sampling time: End of shift.)	15 mg/l (Urine)	ACGIH BEL (03 2013)

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information:	Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection	
Hand Protection:	No data available.
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Avoid contact with eyes. When using do not smoke.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	Estimated -104.4 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	Estimated 12.3 %(V)
Flammability limit - lower (%):	Estimated 1.6 %(V)
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	3,447 - 4,826 hPa (20 °C)
Vapor density:	No data available.
Density:	Estimated 0.71 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	Estimated 322.15 °C
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Avoid heat or contamination.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Distillates (petroleum), hydrotreated light	LD 50 (Rat): > 5,000 mg/kg
White mineral oil (petroleum)	LD 50 (Rat): > 5,000 mg/kg
2-Propanone	LD 50 (Rat): 5,800 mg/kg
Acetic acid, methyl ester	LD 50 (Rat): 6,482 mg/kg
Methanol	LD 50: 100 mg/kg LD 50 (Rat): > 1,187 - 2,769 mg/kg

Dermal

Product: ATEmix: 363,561.59 mg/kg

Inhalation

Product: ATEmix: 427.72 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	NOAEL (Rat(Female, Male), Inhalation): >= 24 mg/m3 Inhalation Experimental result, Key study NOAEL (Rat(Female), Oral, 70 - 147 d): 750 mg/kg Oral Experimental result, Key study
White mineral oil (petroleum)	NOAEL (Rat(Female, Male), Oral, 90 d): >= 20,000 ppm(m) Oral Experimental result, Key study NOAEL (Rabbit(Female, Male), Dermal): 1,000 mg/kg Dermal Read-across from supporting substance (structural analogue or surrogate), Key study LOAEL (Rat(Female, Male), Inhalation): 210 mg/m3 Inhalation Experimental result, Key study
Propane	NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study
2-Propanone	NOAEL (Rat(Male), Oral, 13 Weeks): 10,000 ppm(m) Oral Experimental result, Key study
Acetic acid, methyl ester	NOAEL (Rat(Female, Male), Inhalation, 28 d): 350 ppm(m) Inhalation Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, 28 d): 2,000 ppm(m) Inhalation Experimental result, Key study
Methanol	LOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 13.3 mg/l Inhalation Experimental result, Supporting study

Skin Corrosion/Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	in vivo (Rabbit): Not irritant Experimental result, Key study
White mineral oil (petroleum)	in vivo (Rabbit): Not irritant Experimental result, Key study
2-Propanone	in vivo (Rabbit): Not irritant Experimental result, Supporting study
Acetic acid, methyl ester	in vivo (Rabbit): Not irritant Experimental result, Key study
Methanol	in vivo (Rabbit): Not irritant Experimental result, Key study

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	Rabbit, 24 - 72 hrs: Not irritating
White mineral oil (petroleum)	Rabbit, 24 - 72 hrs: Not irritating
2-Propanone	Irritating. Rabbit, 24 hrs: Minimum grade of severe eye irritant
Acetic acid, methyl ester	Rabbit: Irritating

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	Skin sensitization:, in vivo (Guinea pig): Non sensitising
White mineral oil (petroleum)	Skin sensitization:, in vivo (Guinea pig): Non sensitising
2-Propanone	Skin sensitization:, in vivo (Guinea pig): Non sensitising
Methanol	Skin sensitization:, in vivo (Guinea pig): Non sensitising

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s):

2-Propanone	Inhalation - vapor: Narcotic effect. - Category 3 with narcotic effects.
Methanol	Causes damage to organs.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Target Organs

Specific Target Organ Toxicity - Single Exposure: Narcotic effect.

Aspiration Hazard

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	May be fatal if swallowed and enters airways.
White mineral oil (petroleum)	May be fatal if swallowed and enters airways.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss, 96 h): >= 100 mg/l Experimental result, Key study LL 50 (Oncorhynchus mykiss, 96 h): > 100 mg/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
2-Propanone	LC 50 (Oncorhynchus mykiss, 96 h): 5,540 mg/l Experimental result, Key study
Acetic acid, methyl ester	LC 50 (Fathead minnow (Pimephales promelas), 96 h): 295 - 348 mg/l Mortality LC 50 (Danio rerio, 48 h): 250 - 350 mg/l Experimental result, Key study
Methanol	EC 50 (Lepomis macrochirus, 96 h): 12,700 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna, 48 h): >= 100 mg/l Experimental result, Key study
2-Propanone	LC 50 (Daphnia pulex, 48 h): 8,800 mg/l Experimental result, Key study
Acetic acid, methyl ester	EC 50 (Daphnia magna, 48 h): 1,026.7 mg/l Experimental result, Key study
Methanol	EC 50 (Daphnia magna, 96 h): 18,260 mg/l Experimental result, Key study

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	NOAEL (Oncorhynchus mykiss): 0.098 mg/l QSAR QSAR, Key study
White mineral oil (petroleum)	NOAEL (Oncorhynchus mykiss): >= 1,000 mg/l QSAR QSAR, Supporting study
Methanol	EC 50 (Oryzias latipes): 9,164 mg/l Experimental result, Supporting study

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

White mineral oil (petroleum)	NOAEL (Daphnia magna): >= 1,000 mg/l QSAR QSAR, Supporting study
2-Propanone	LOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study NOAEL (Daphnia magna): 2,212 mg/l Experimental result, Key study
Methanol	NOAEL (Daphnia magna): 122 mg/l Experimental result, Supporting study

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Distillates (petroleum), hydrotreated light	61 % Detected in water. Experimental result, Supporting study
White mineral oil (petroleum)	31 % (28 d) Detected in water. Read-across from supporting substance (structural analogue or surrogate), Supporting study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
2-Propanone	90.9 % (28 d) Detected in water. Experimental result, Key study
Acetic acid, methyl ester	70 % Detected in water. Experimental result, Key study
Methanol	97 % Detected in water. Experimental result, Key study

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

2-Propanone	Haddock, adult, Bioconcentration Factor (BCF): 0.69 Aquatic sediment Experimental result, Not specified
Methanol	Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Experimental result, Supporting study

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Distillates (petroleum), hydrotreated light	No data available.
White mineral oil (petroleum)	No data available.
Propane	No data available.
2-Propanone	No data available.
Acetic acid, methyl ester	No data available.
Methanol	No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: No data available.

14. Transport information

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	–
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IMDG

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	–
EmS No.:	
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

IATA

UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	
Class:	2.1
Label(s):	–
Packing Group:	–
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Methanol	lbs. 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard
Immediate (Acute) Health Hazards
Flammable aerosol
Serious Eye Damage/Eye Irritation
Specific Target Organ Toxicity - Single Exposure
Aspiration Hazard

SARA 302 Extremely Hazardous Substance

Chemical Identity	Reportable quantity	Threshold Planning Quantity
Distillates (petroleum), hydrotreated light		
2-Propanone		
Acetic acid, methyl ester		

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Distillates (petroleum), hydrotreated light	
Propane	lbs. 100
2-Propanone	lbs. 5000
Acetic acid, methyl ester	lbs. 100
Methanol	lbs. 5000

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Distillates (petroleum), hydrotreated light	10000 lbs
White mineral oil (petroleum)	10000 lbs
Propane	10000 lbs
2-Propanone	10000 lbs
Acetic acid, methyl ester	10000 lbs
Methanol	10000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Methanol	Developmental toxin. 03 2012

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
Distillates (petroleum), hydrotreated light
White mineral oil (petroleum)
Propane
2-Propanone
Acetic acid, methyl ester

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Distillates (petroleum), hydrotreated light
White mineral oil (petroleum)
Propane
2-Propanone
Acetic acid, methyl ester

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Stockholm convention

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Rotterdam convention

Distillates (petroleum), hydrotreated light
2-Propanone
Acetic acid, methyl ester

Kyoto protocol

Inventory Status:

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Ontario Inventory:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

Issue Date:	02/27/2020
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information:	1000003396
Product Identifier:	SPRAYWAY STAINLESS STEEL CLEANER
Recommended Use:	Cleaner
Manufacturer/Importer/Distributor Information:	PLZ Corp. 2651 WARRENVILLE RD, STE 300 DOWNERS GROVE, IL 60515 800-332-9000
Emergency Telephone:	1-800-424-9300

2. Hazard(s) identification

Classification
Flammable Aerosol, category 1
Aspiration Hazard, category 1
Skin Sensitizer, category 1
Eye Irritation, category 2A

Label elements

HAZARD PICTOGRAMS

SIGNAL WORD
Danger

GHS HAZARD STATEMENTS

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst if heated
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

GHS PRECAUTIONARY STATEMENTS

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours, or spray.
P264	Wash thoroughly after handling.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, eye protection, and face protection
Response	
P301+P310+P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
Storage	
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information
None

3. Composition/Information on Ingredients

Mixtures

Chemical Identity	CAS Number	Content in Percent (%)*
Distillates (Petroleum), Hydrotreated Light	64742-47-8	25-50
White Mineral Oil	8042-47-5	25-50
Acetone	67-64-1	10-25
Propane	74-98-6	10-25
d-Limonene	5989-27-5	0.1-1.0
Citral	5392-40-5	0.1-1.0

** All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.*

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Wash contact area thoroughly with soap and water. Get medical attention if irritation or rash develops or persists. Remove contaminated clothing. Launder clothing before re-use.

EYE CONTACT: Rinse immediately with plenty of water. Flush eyes with plenty of water for 15 minutes, while holding the eyelids apart. Check victim for contact lenses and remove if present. Get medical attention if irritation persists.

INHALATION: Move to fresh air.

INGESTION: Keep the victim calm and warm. Do NOT induce vomiting. If conscious, rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Get immediate medical attention.

IMPORTANT SYMPTOMS: Aspiration hazard: Harmful or fatal if swallowed. May cause severe eye irritation. May cause allergic skin reaction (sensitization.)

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur. Immediate medical attention is required for ingestion.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Prolonged exposure to temperatures above 50°C / 122°F may cause cans to burst. Vapors may travel considerable distance to a source of ignition and flash back. Combustion may produce carbon dioxide and carbon monoxide.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Leaking cans should be placed in a plastic bag or open pail away from ignition sources until the pressure has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

STORAGE: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

NFPA 30B: Aerosol Level 3

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
Distillates (Petroleum), Hydrotreated Light	200 mg/m3	N.E.	N.E.	N.E.
White Mineral Oil	5 mg/m3	N.E.	5 mg/m3	N.E.
Acetone	250 ppm	500 ppm	1000 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
d-Limonene	N.E.	N.E.	N.E.	N.E.
Citral	5 ppm	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield. Chemical safety goggles should be worn where contact is possible.

SKIN PROTECTION: Wear impervious gloves to prevent skin contact.

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:	
Physical State:	Liquid
Form:	Spray Aerosol
Color:	No data available
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	7
Flash Point, °C:	Not applicable to aerosols
Flammability (solid, gas):	Flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Supports Combustion
Explosive Limits, %:	0.6 - 12.8
Vapor Pressure @20°C, PSI:	No data available
Vapor Density:	No data available
Relative Density:	0.802
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Keep away from heat, sparks, flames, and other sources of ignition. Do not puncture or incinerate containers. Dropping containers may cause bursting.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon dioxide and carbon monoxide.

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause an allergic skin reaction (sensitization) with itching, redness and hives.

EYE CONTACT EFFECTS: Contact may cause severe irritation with redness, tearing and pain.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

ATE ORAL	6,068 mg/kg
ATE DERMAL	6,068 mg/kg
ATE INHALATION	Not classified for acute toxicity based on available data.

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
64742-47-8	Distillates (Petroleum), Hydrotreated Light	5,000 mg/kg	5000 mg/kg	>100 mg/l
8042-47-5	White Mineral Oil	5,000 mg/kg	5000 mg/kg	100 mg/l
67-64-1	Acetone	5,800 mg/kg	7,426 mg/kg	50.1 mg/l
74-98-6	Propane	5,000 mg/kg	5,000 mg/kg	100 mg/l
5989-27-5	d-Limonene	5000 mg/kg	5000 mg/kg	100 mg/l
5392-40-5	Citral	6,800 mg/kg	2,000 mg/kg	100 mg/l

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Components:

Acetone	67-64-1	Causes serious eye irritation.

Respiratory or Skin Sensitization:

Product: No data available

Components:

d-Limonene	5989-27-5	May cause an allergic skin reaction.
Citral	5392-40-5	May cause an allergic skin reaction.

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Components:

White Mineral Oil	8042-47-5	May be fatal if swallowed and enters airways.
Distillates (Petroleum), Hydrotreated Light	64742-47-8	May be fatal if swallowed and enters airways.

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

DOT

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk	N/A
Packing Group:	N/A

IATA

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

IMDG

UN Number:	UN1950
Proper Shipping Name:	AEROSOLS, FLAMMABLE
Technical Name:	N/A
Hazard Class(es)	
Class:	2.1
Subsidiary Risk:	N/A
Packing Group:	N/A

The classification shown In this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations.The shipper of this product should consult the applicable mode’s regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper’s discretion.

15. Regulatory Information

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

CHEMICAL INVENTORY STATUS:

TSCA	On or in compliance with the inventory
DSL	All ingredients in this product are listed on the DSL or are exempt.

CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXINS:

No Proposition 65 chemicals present or warning required.

16. Other Information

Revision Date:	10/8/2024
Datasheet produced by:	Regulatory Department

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP FOAMING GLASS CLEANER

Material number : ZUFGC194

Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE
Emerson, GA 30137

Telephone : 404-352-1680

Emergency telephone numbers

For SDS Information	:	Compliance Services 1-877-428-9937
For a Medical Emergency	:	877-541-2016 Toll Free - All Calls Recorded
For a Transportation Emergency	:	CHEMTREC: 800-424-9300 - All Calls Recorded. In the District of Columbia 202-483-7616

Recommended use of the chemical and restrictions on use

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	colourless
Odour	pleasant

GHS Classification

Gases under pressure : Liquefied gas

GHS label elements

Hazard pictograms :

Gas cylinder

Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.

Precautionary statements : **Storage:**
P410 + P403 Protect from sunlight. Store in a well-ventilated place.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration [%]
ethanol	64-17-5	>= 1 - < 5
butane	106-97-8	>= 1 - < 5
propan-2-ol	67-63-0	>= 1 - < 5
propane	74-98-6	>= 1 - < 5

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

If inhaled : If unconscious, place in recovery position and seek medical advice.
Consult a physician after significant exposure.

In case of skin contact : If skin irritation persists, call a physician.
Wash off immediately with plenty of water for at least 15 minutes.
If on clothes, remove clothes.

In case of eye contact : Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
Rinse immediately with plenty of water for at least 15 minutes.

If swallowed : Keep respiratory tract clear.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed : Effects may be delayed, symptoms may include minor eye or skin irritation.
Overexposure may cause mild eye or skin irritation.

Notes to physician : Treat symptomatically. Symptoms may be delayed.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon dioxide (CO2) Carbon monoxide Smoke
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	:	Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. If the product contaminates rivers and lakes or drains, inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Do not breathe vapours or spray mist. Take precautionary measures against static discharges.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Always replace cap after use.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
Keep in a dry, cool and well-ventilated place.

Materials to avoid : Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
		PEL	1,000 ppm 1,900 mg/m3	CAL PEL
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA P0
		PEL	800 ppm 1,900 mg/m3	CAL PEL
		STEL	1,000 ppm	ACGIH
propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL
		TWA	400 ppm 980 mg/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0

		PEL	400 ppm 980 mg/m3	CAL PEL
		STEL	500 ppm 1,225 mg/m3	CAL PEL
propane	74-98-6	TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
		PEL	1,000 ppm 1,800 mg/m3	CAL PEL

Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
PROPAN-2-OL	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

Engineering measures : effective ventilation in all processing areas

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Safety glasses

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.
When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a liquefied gas

Colour : colourless

Odour : pleasant

Odour Threshold	:	No data available
pH	:	10 - 11
Melting point/freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0.986 g/cm3
Solubility(ies)		
Water solubility	:	soluble in cold water, soluble in hot water
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	not determined
Thermal decomposition	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Aggravated Medical Condition	:	None known.
Symptoms of Overexposure	:	Effects may be delayed, symptoms may include minor eye or skin irritation. Overexposure may cause mild eye or skin irritation. Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	Confirmed animal carcinogen with unknown relevance to humans ethanol 64-17-5 2-butoxyethanol 111-76-2
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

Components:

ethanol:

Acute oral toxicity	:	LD50 Oral Rat: 7,060 mg/kg
Acute inhalation toxicity	:	LC50 Rat: 124.7 mg/l Exposure time: 4 h Test atmosphere: vapour

propan-2-ol:

Acute oral toxicity	:	LD50 Oral Rat: 4,396 mg/kg Method: Calculation method

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water	:	Remarks: No data available

Components:

ethanol :

Partition coefficient: n-octanol/water	:	Remarks: No data available

butane :

Partition coefficient: n-octanol/water	:	Pow: 2.89

propan-2-ol :

Partition coefficient: n-octanol/water	:	log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IMDG (Vessel):
UN1950, AEROSOLS, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Gases under pressure

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

DSL	All components of this product are on the Canadian DSL
TSCA	On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

SECTION 16. OTHER INFORMATION

Further information

NFPA:

HEALTH	3
FLAMMABILITY	0
INSTABILITY	0
SPECIAL HAZARD.	

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme

HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	2

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

OSHA - GHS Label Information:

Hazard pictograms :

Gas cylinder

Signal word : **Warning:**
Hazard statements : Contains gas under pressure; may explode if heated.
Precautionary statements :

Storage: Protect from sunlight. Store in a well-ventilated place.

Version:	5.0
Revision Date:	12/07/2022
Print Date:	12/13/2022

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

Safety Data Sheet

Classified in accordance 29 CFR 1910.1200

1. Product Identification

Product Information:	1000000075
Product Identifier:	SPRAYWAY GLASS CLEANER
Recommended Use:	Cleaner
Manufacturer/Importer/Distributor Information:	PLZ CORP 2651 WARRENVILLE RD, STE 300 DOWNERS GROVE, IL 60515 US 800-332-9000
Emergency Telephone:	866-836-8855

2. Hazard(s) identification

Classification
Compressed Gas

Label elements

HAZARD PICTOGRAMS

SIGNAL WORD
Warning

GHS HAZARD STATEMENTS

H280	Contains gas under pressure; may explode if heated.

GHS PRECAUTIONARY STATEMENTS

Prevention
None

Response
None

Storage

P410+P403	Protect from sunlight. Store in a well-ventilated place.

Disposal
None

Other Information
None

3. Composition/Information on Ingredients

Mixtures

Chemical Identity	CAS Number	Content in Percent (%)*
Ethanol	64-17-5	2.5-10
2-Butoxyethanol	111-76-2	2.5-10
Propane	74-98-6	1.0-2.5
Butane	106-97-8	1.0-2.5

** All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.*

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

INHALATION: Move to fresh air.

INGESTION: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressurized container may explode when exposed to heat or flame.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: Observe good industrial hygiene practices.

STORAGE: No data available

NFPA 30B: Aerosol Level 1

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
Ethanol	N.E.	1000 ppm	1000 ppm	N.E.

2-Butoxyethanol	20 ppm	N.E.	50 ppm	N.E.
Propane	N.E.	N.E.	1000 ppm	N.E.
Butane	N.E.	1000 ppm	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance:

Physical State:	Liquid
Form:	Spray Aerosol
Color:	Yellow
Odor:	Fresh
Odor Threshold:	No data available
pH:	No data available
Freeze Point, °C:	No data available
Boiling Point, °C:	78
Flash Point, °C:	-104
Flammability (solid, gas):	Non-flammable Aerosol
Evaporation Rate:	No data available
Combustibility:	Does not Support Combustion
Explosive Limits, %:	1.1 - 19.0
Vapor Pressure @20°C, PSI:	70 - 90
Vapor Density:	No data available
Relative Density:	0.979
Solubility in Water:	No data available
Partition Coefficient, n-octanol/water:	No data available
Auto-Ignition Temperature, °C:	No data available
Decomposition temperature, °C:	No data available
Kinematic Viscosity:	No data available

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

SAFETY DATA SHEET
Goof Off Professional Strength

Printed: 09/24/2024
Revision: 09/24/2024
Supersedes Revision: 02/18/2020

This SDS complies with the Canadian Hazardous Products Regulations of 2015.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Professional Strength

Company Name: W. M. Barr and Company, Inc.
2105 Channel Avenue
Memphis, TN 38113

Phone Number: (901)775-0100

Web site address: www.wmbarr.com

Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346

Information: W.M. Barr Customer Service (800)398-3892

Product Category: General Purpose Adhesive Remover

Intended Use: Multi-Purpose Remover for tar, ink, paint, adhesive, etc.

Product Code: FG612, FG631, FG653, FG654, FG654LWS, FG656AM, FG657, FG661, FG661CAN

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Carcinogenicity, Category 2
Skin Irritation, Category 2
Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (repeated exposure), Category 2 - Auditory system.

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H225 - Highly flammable liquid and vapor.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H351 - Suspected of causing cancer .
H370 - Causes damage to organs
H373 - May cause damage to - Auditory system. through prolonged or repeated exposure.

GHS Precautionary Phrases:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe fumegas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated

clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+311 - If exposed of concerned: Call a POISON CENTER/Doctor/...
P313 - Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P314 - Get medical attention/advice if you feel unwell.
P321 - Specific treatment see label.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362+364 - Take off contaminated clothing and wash it before reuse.
P370+378 - In case of fire, use dry chemical powder to extinguish.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): **See above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	Molecular Formula
67-64-1	Acetone {2-Propanone}	60.0 -80.0 %	C3H6O
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	7.0 -13.0 %	C6H4(CH3)2
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	5.0 -10.0 %	C8H15BrO2
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 -5.0 %	CH3CH2C6H5
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	1.0 -5.0 %	CH3OH

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Skin:
IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
Eyes:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention immediately.
Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability Classification:	NFPA Class IB
Flash Point:	-17.2 C (1.00 F) Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Unsuitable Extinguishing Media:	**None known.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary.
Flammable Properties and Hazards:	Vapor may travel considerable distance to source of ignition and flash back.
Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Stay upwind.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Use non-sparking tools.

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Dike far ahead of spill for later disposal.

Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:

Do not reuse this container.

Read carefully and follow all instructions.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Precautions To Be Taken in Storing:	Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.
Other Precautions:	Keep away from heat, sparks, and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	ACGIH TLV	TLV: 100 ppm STEL: 150 ppm	
		OSHA PELs	PEL: 100 ppm	
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	ACGIH TLV	TLV: 100 ppm	
		OSHA PELs	PEL: 500 ppm	
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	ACGIH TLV	TLV: 100 ppm STEL: 125 ppm	
		OSHA PELs	PEL: 100 ppm	
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	ACGIH TLV	TLV: 200 ppm STEL: 250 ppm	
		OSHA PELs	PEL: 200 ppm	

Personal Protective Equipment Symbols:

Respiratory Equipment (Specify Type): Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Protective Gloves: Wear appropriate gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: solvent odor. Odor threshold not determined.

pH: N.D.

Melting Point: N.D.

Boiling Point: 37.7 C (99.90 F)

Flash Point: -17.2 C (1.00 F) Setaflash Closed Cup (Rapid Setaflash)

Evaporation Rate: > 1

Flammability (solid, gas): No data available.

Explosive Limits: LEL: N.D. UEL: N.D.

Vapor Pressure: N.D.

Vapor Density (vs. Air=1):	N.D.
Specific Gravity (Water=1):	0.8200 - 0.8248
Density:	6.84 - 6.88 LB/GL
Solubility in Water:	No data.
Solubility Notes:	Partial or Limited Solublity.
Saturated Vapor Concentration:	N.D.
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	100.0 % by weight.
VOC / Volume:	20.0000 % WT
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	< 5 cps
a_fld_hdr[9]:	VOC (g/L): 163.25 g/L max.
	ND = Not Determined.

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	No data available.
Incompatibility - Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Carbon monoxide, Carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	**None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for health effects.

CAS# 67-64-1:
Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.
Result:
Behavioral: Change in motor activity (specific assay).
Behavioral: Alteration of classical conditioning.
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 1330-20-7:
Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.
Result:
Behavioral: Muscle contraction or spasticity.
Lungs, Thorax, or Respiration:Other changes.
- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.
Result:
Behavioral: General anesthetic.
Behavioral: Somnolence (general depressed activity).
Behavioral: Irritability.
- "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 100-41-4:
Tumorigenic Effects:, TCLo, Inhalation, Rat, 750.0 ppm.
Result:
Tumorigenic: Carcinogenic by RTECS criteria.
Kidney, Ureter, Bladder: Tumors.

Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe.
Result:
Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).
Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

Carcinogenicity/Other Information: ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans.
ACGIH A4 - Not Classifiable as a Human Carcinogen.
IARC 2B - Possibly Carcinogenic to Humans.
IARC 3: Not Classifiable as to Carcinogenicity in Humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	n.a.	n.a.	n.a.	n.a.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	n.a.	2B	A3	n.a.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Paint related material.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: UN1263 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Paint related material.
UN Number: UN1263 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

Additional Transport Information: The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-64-1	Acetone {2-Propanone}	No	Yes NA	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes (13%)
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	No	No	No
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes NA	Yes (5%)
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes NA	Yes (5%)

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
67-64-1	Acetone {2-Propanone}	No	No	Yes
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	Yes: Part 5		Yes
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	Yes: Part 5	No	Yes
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	Yes: Part 1A	No	Yes
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	Yes: Part 5		Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory
8052-41-3	Stoddard solvent {Mineral spirits; Aliphatic Petroleum Distillates; White spirits}	TSCA: Inventory
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CAA HAP,ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: RDTox.

Additional Regulatory Information

This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. OTHER INFORMATION

Revision Date: 09/24/2024 **Previous revision:** 02/18/2020

Preparer Name: W.M. Barr Regulatory Department

Additional Information About This Product: No data available.

Company Policy or Disclaimer:

Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Jul 2020 and New Zealand HSNO

Windex Glass Cleaner, Original

Version *1*.3

Print Date 07.05.2025

Revision Date 19.03.2024

SDS Number 350000028176

GEN_SOF Number 75727

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier	:	**Windex Glass Cleaner, Original**
Other means of Identification	:	350000028176
Recommended use	:	Hard Surface Cleaner
Restrictions on use	:	Use only as directed on label
Australia	:	S.C. Johnson & Son Pty. Ltd. ABN 71. 000 021 009 160 Epping Road, Lane Cove, N.S.W. 2066. Australia Telephone: +61 2 9428 9111
New Zealand	:	S.C. Johnson & Son Pty. Ltd 79 Queen Street Auckland 1010 New Zealand Telephone: +64 9 573 2850
Emergency telephone numbers	:	Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST) +61 2 9428 9111 New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850
Poison Information Contacts	:	Australia: 13 11 26 New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

No Hazards identified.

* *Classification not adopted by Australia*

^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

Statement of Hazardous Nature (New Zealand)

Labelling - Australia **

Precautionary statements
(P102) Keep out of reach of children.
Other hazards : None identified

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Other non-hazardous ingredients	various	Balance to 100

4. FIRST AID MEASURES

Description of first aid measures
Eye contact : No special requirements

:

Skin contact : No special requirements

: No special requirements

Inhalation : No special requirements.

: No special requirements.

Ingestion : No special requirements

: No special requirements

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed	:	See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards arising from substance	:	Container may melt and leak in heat of fire.
	:	Container may melt and leak in heat of fire.
Special protective equipment and precautions for fire fighters	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.
	:	Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Wash thoroughly after handling.
	:	Wash thoroughly after handling.
Environmental precautions	:	Outside of normal use, avoid release to the environment.
	:	Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up	:	Dike large spills. Clean residue from spill site.
	:	Dike large spills. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.
	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
	:	Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers	:	Keep container closed when not in use.
	:	Keep container closed when not in use.
Other data	:	Stable under normal conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection	:	No special requirements. No special requirements.
Hand protection	:	No special requirements. No special requirements.
Eye protection	:	No special requirements. No special requirements.
Skin and body protection	:	No special requirements. No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	blue
Odor	:	floral
Odour Threshold	:	Test not applicable for this product type
pH	:	10.7 at (25 C)

Melting point/freezing point	:	0 C
Initial boiling point and boiling range	:	100 C
Flash point	:	does not flash
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	Does not sustain combustion.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Calculated31.7 hPa
Vapour density	:	Test not applicable for this product type
Relative density	:	1.00 g/cm3 at 25 C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Heating can release hazardous gases.
Viscosity, dynamic	:	similar to water

Viscosity, kinematic	:	similar to water
Oxidizing properties	:	Test not applicable for this product type
Other information	:	None identified :

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored normally.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	:	Direct sources of heat.
Conditions to avoid	:	Direct sources of heat.
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases None known.
Incompatible materials	:	Do not mix with bleach or any other household cleaners. Strong bases None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.1 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation^	No classification proposed	-
Respiratory sensitisation^	No classification proposed	-

Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.
None known.

* *Classification not adopted by Australia*
^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity
The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	:	Consumer may discard empty container in trash, or recycle where facilities exist. Consumer may discard empty container in trash, or recycle where facilities exist.
Disposal of any contaminated packaging	:	Do not re-use empty containers. Do not re-use empty containers.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport
Not classified as dangerous in the meaning of transport regulations.

Sea transport
Not classified as dangerous in the meaning of transport regulations.

Air transport
Not classified as dangerous in the meaning of transport regulations.

§ ***Land transport***: *Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.*

15. REGULATORY INFORMATION

Poisons Schedule (Australia): : NOT SCHEDULED

Windex Glass Cleaner, Original

Version *1*.3 Print Date 07.05.2025

Revision Date 19.03.2024 SDS Number 350000028176

GEN_SOF Number 75727

HSNO Approval Number (NZ): : : Not applicable

16. OTHER INFORMATION

Revision Date: 19.03.2024

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)

SAFETY DATA SHEET

13-Sep-2018

1. IDENTIFICATION

Product identifier
Product Name 101 Regular Bleach

Other means of identification
Product UPC 54200-04053
Product Code 11006755042

Recommended use of the chemical and restrictions on use
Recommended Use Consumer use. Cleaning agent. Chlorine-based bleaching agents.
Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet
Supplier Address
James Austin Company
115 Downieville Road
PO Box 827
Mars, PA 16046
Tel: 1-800-845-1942

Emergency telephone number
Emergency Telephone Poison Control Center (Medical) : (866) 366-5048
Chemtrec (Transportation) 1-800-424-9300, 703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Label elements

Emergency Overview

Warning

Hazard statements
Causes skin irritation
Causes serious eye irritation

Color light yellow **Physical state** liquid **Odor** Slight chlorine

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Precautionary Statements - Storage
Keep out of reach of children. Store in a well-ventilated place. Store in a closed container. Protect from sunlight.

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	1 - 5

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

Skin contact Wash skin with soap and water. If symptoms persist, call a physician.

Inhalation Remove to fresh air.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical
No information available.

Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Acids, Ammonia.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. .

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	aqueous solution	**Odor**	Slight chlorine
Color	light yellow	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	12.0 - 12.5	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	~1.04	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Density	No information available	
Bulk density	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Incompatible materials. Extremes of temperature and direct sunlight.

Incompatible materials
Acids, Ammonia.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye contact Avoid contact with eyes. May cause irritation.

Skin contact Avoid contact with skin. May cause irritation.

Ingestion May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hypochlorite 7681-52-9	= 8.91 g/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3	-	-

IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hypochlorite 7681-52-9	0.095: 24 h Skeletonema costatum mg/L EC50	0.06 - 0.11: 96 h Pimephales promelas mg/L LC50 flow-through 4.5 - 7.6: 96 h Pimephales promelas mg/L LC50 static 0.05 - 0.771: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.8: 96 h Lepomis macrochirus mg/L LC50 static 0.28 - 1: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.18 - 0.22: 96 h Oncorhynchus mykiss mg/L LC50 static 0.03 - 0.19: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	2.1: 96 h Daphnia magna mg/L EC50 0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Mobility
No information available.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Note: Product classified as UN 3077 or UN 3082 that are shipped in containers not exceeding 5 kg or 5 L may ship as Not Subject to the provisions of the IMDG Code and Not Restricted under IATA. Refer to IMDG Ch 2.10 and IATA SP-197.

DOT Not regulated

TDG Not regulated

IATA

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III

IMDG

UN/ID no.	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE)
Hazard Class	9
Packing Group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM HYPOCHLORITE), 9, III
Marine pollutant	This material meets the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hypochlorite 7681-52-9	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hypochlorite 7681-52-9	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number This product does not contain any substances regulated as pesticides

Difference between SDS and CPSC label

This product is regulated under Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act (16 CFR Part 1500) . These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace product labels.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	**Health hazards** 2	**Flammability** 0	**Instability** 0	**Physical and Chemical Properties** -
HMIS	**Health hazards** 2	**Flammability** 0	**Physical hazards** 0	**Personal protection** B

Prepared By	Regulatory Affairs
Revision Date	13-Sep-2018
Revision Note	No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination

with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision Date: *17-Feb-2023* **Revision Number:** *9*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**COROTECH COMMAND WATERBORNE ACRYLIC URETHANE SATIN BASE 1**
Product Code	**V3921X**
Alternate Product Code	V3921X
Product Class	Water thinned paint
Color	All
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com/Corotech

Emergency Telephone
CHEMTREC: +1 703-741-5970 / 1-800-424-9300
+1 703-527-3887 (outside US & Canada)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1A
Germ cell mutagenicity	Category 1B
Reproductive toxicity	Category 1B

Label elements

Danger

Hazard statements
May cause an allergic skin reaction
May cause genetic defects
May damage fertility or the unborn child

Appearance liquid

Odor little or no odor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Skin
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No	Weight-%
Titanium dioxide	13463-67-7	15 - 20
Kaolin	1332-58-7	1 - 5
Ethylene glycol mono-2-ethylhexyl ether	1559-35-9	1 - 5

Zinc phosphate	7779-90-0	1 - 5
Ammonium hydroxide	1336-21-6	0.1 - 0.5
Alcohols, C12 - 14, ethoxylated	68439-50-9	0.1 - 0.5
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-hydroxy-	104810-48-2	0.1 - 0.5
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester	10605-21-7	0.1 - 0.5
Poly(oxy-1,2-ethanediyl), .alpha.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-.omega.-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxoprop	104810-47-1	0.1 - 0.5
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester	41556-26-7	0.1 - 0.5

4. FIRST AID MEASURES

General Advice If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects May cause allergic skin reaction.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)	250
Flash Point (°C)	121
Method	PMCC

Flammability Limits In Air

Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA

Health hazards	2
Flammability	0
Stability	0
Special:	Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA: 0.2 mg/m³ nanoscale respirable particulate matter TWA: 2.5 mg/m³ finescale respirable particulate matter	15 mg/m³ - TWA
Kaolin	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	15 mg/m³ - TWA 5 mg/m³ - TWA
Ammonium hydroxide	STEL: 35 ppm TWA: 25 ppm	-

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs./gal)	10.3 - 10.7
Specific Gravity	1.23 - 1.29
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure @20 °C (kPa)	No information available
Relative vapor density	No information available
Wt. % Solids	45 - 55
Vol. % Solids	35 - 45
Wt. % Volatiles	45 - 55
Vol. % Volatiles	55 - 65
VOC Regulatory Limit (g/L)	< 150
Boiling Point (°F)	212

Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	250
Flash Point (°C)	121
Method	PMCC
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization May cause an allergic skin reaction
Neurological Effects No information available.
Mutagenic Effects Suspected of causing genetic defects.
Reproductive Effects May damage fertility or the unborn child.
Developmental Effects No information available.
Target organ effects No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Other adverse effects No information available.
Aspiration Hazard No information available

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 21741 mg/kg
ATEmix (inhalation-dust/mist) 348.1 mg/l

Component Information Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Ethylene glycol mono-2-ethylhexyl ether 1559-35-9	= 3080 mg/kg (Rat)	= 2120 mg/kg (Rabbit) = 2120 µL/kg (Rabbit)	-
Zinc phosphate 7779-90-0	> 5000 mg/kg (Rat)	-	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg (Rat)	-	-
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester 10605-21-7	> 5050 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester 41556-26-7	= 2615 mg/kg (Rat)	-	-

Chronic Toxicity

Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA
Titanium dioxide	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
There is no data for this product.

Mobility in Environmental Media
No information available.

Ozone
Not applicable

Component Information

Acute Toxicity to Fish

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
LC50: 1.5 mg/L (Rainbow Trout - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester
LC50: 0.22 mg/L (water flea - 48 hr.)

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	CERCLA/SARA 313 (de minimis concentration)
Zinc phosphate	7779-90-0	1 - 5	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

None

US State Regulations

California Proposition 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Ethylene glycol which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

U.S. State Right-to-Know Regulations

Chemical name	Massachusetts	New Jersey	Pennsylvania
Titanium dioxide	X	X	X
Kaolin	X	X	X
Zinc phosphate		X	X
Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester		X	

Legend
X - Listed

16. OTHER INFORMATION

HMIS

Health hazards	2*
Flammability	0
Reactivity:	0
Personal protection	-

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By

Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Issuing Date	03-Dec-2021
Revision Date:	17-Feb-2023
Revision Summary	Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet

SAFETY DATA SHEET

Product Name: Ten or Mistolin Disinfectant Cleaner

Product no. 1565664

SECTION 1. PRODUCT IDENTIFICATION AND COMPANY

Other means of identification : **EPA Registration number** : **6836-152-92262**
Recommended use : Cleaner and disinfectant
Restrictions on use : Household disinfectant

Company : Mistolin Caribe, Inc.
Calle A # 28
Urb Industrial Luchetti
Bayamon, P.R. 00959
787-785-6805

Emergency health Information : 1-800-222-1222

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Inhalation) : Category 4

GHS label elements

Product

HAZARD PICTOGRAMS:

Signal Word : Caution

Hazard Statements : Harmful if inhaled.

Precautionary Statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area.
Response:
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Ingestion: Immediate call POISON Center or doctor/ physician.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Concentration (%)
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.015
Octyl Decyl Dimethylammonium Chloride	32426-11-2	0.025
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	0.034
Dioctyl Dimethyl Ammoniun Chloride	5538-94.3	0.010

SECTION 4. FIRST AID MEASURES

Product

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Special protective equipment for fire-fighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: Clear, yellow
Odor	: Citric Disinfectants
pH	8.5
Flash point	: >200, Does not sustain combustion.
Odor Threshold	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 0.999 - 1.008
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: noctanol/	

water	
	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	
	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	
	: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx)

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

: Inhalation, Eye contact, Skin contact

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Harmful if inhaled.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No information available.

Toxicity

Acute oral toxicity	: Acute toxicity estimate : 450 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate :127.4 mg/l
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye Irritation	: No data available
Respiratory or skin Sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available

Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Based on ecotoxicity and fact data for the individual ingredients in this specific formulation and for related cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long term adverse effects in the environment. This product has no known ecotoxicological effects.

Components

Chemical Name	Algae/aquatic plants	Fish	Crustacea
: **Didecyl Dimethyl Ammonium Chloride**		5: 96 h LC50 Fish: 1 mg/l	
Ethanol		96 h LC50 Pimephales promelas: > 100 mg/l	2.0 -16.0:96 h Onchorhynchus mykiss ml/L LC 50 static 100: 96 h Pimephales promelas mg/L LC50 Static 13400-15100:96 h Pimephales promelas mg/L LC50 Flow-through
Tetrasodium EDTA	1:01:72 h Desmodesmus subsoucatus mg/L EC50	9.8 96 h Pimephales pomelas mg/L LC50 static 41:96 h Lepomis macrochirius mg/L LC 50	
Sodium Metasilicate		10: 96 h Brachidanio rerio mg/L LC50 Brachidanio rerio mg/L LC50 static	216: 96 h Daphnia magna mg/L EC50
Trisodium nitrilotriacetate	560- 1000:96 h Chlorrella vulgaris mg/L	72-133: 96 h Onchorhynchus mykiss mg/L LC50 Static 175-225: 96 h Lepomis macrochirius mg/L LC50 static 252:96 h Lepomis macrochirius mg/L LC50 470:96 h Pimephales promelas mg/L LC50 static 93-170:96 h Pimephales promelas mg/L LC50 flow-through 560-1000:96 h Poecilia reticulata mg/L LC50 semi static 560-1000:96 h Poecilia reticulata mg/L LC50 114: 96 h Pimephales promelas mg/L LC50 560-1000: 96 H latipes mg/L LC50 560-1000: 96 h Oryzias latipes mg/L LC50 semi- static Lepomis macrochirius mg/L	560-1000: 48 h Daphnia magna mg/L LC 50
sodium hydroxide		5.4: 96h Onchorhynchus mykiss mg/l LC50	

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Land transport (DOT) **Not regulated**

Sea transport (IMDG/IMO) **Not regulated**

Marine /Water Transport **Not regulated**

SECTION 15. REGULATORY INFORMATION

EPA Registration number : **6836-152-92262**

HCS Classification : Not regulated

SECTION 16. OTHER INFORMATION

Product AT USE DILUTION
NFPA: **HMIS III:**

Revision date : 3-30-2020

Version : 1.1

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

SAFETY DATA SHEET

1. Identification

Product identifier **CIDEZYME XTRA Multi Enzymatic Detergent**

Other means of identification

SDS number 11205-US

Product number 22591

Recommended use Detergent.

Recommended restrictions For professional use only.

Manufacturer/Importer/Supplier/Distributor information

Company name Advanced Sterilization Products,Inc.

Address 33 TECHNOLOGY DRIVE
IRVINE, CA 92618

Country US

Telephone number 1-888-783-7723

E-mail ASP-SDS@asp.com

24-Hour emergency phone number CHEMTREC US: 1-800-424-9300 CCN 795874

CHEMTREC International: +1 703-741-5970

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, respiratory Category 1

OSHA defined hazards Not classified.

Label elements

Signal word Danger

Hazard statement May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement

Prevention Avoid breathing mist. In case of inadequate ventilation wear respiratory protection.

Response If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Propane -1,2 -diol	57-55-6	20 - 30
Disodium tetraborate decahydrate	1303-96-4	1 - < 3

Lipase, triacylglycerol	9001-62-1	0.1 - < 1
Subtilisin	9014-01-1	0.1 - < 1

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

4. First-aid measures

Inhalation

In case of inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Exposure may cause temporary irritation, redness, or discomfort. Sensitization.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

To maintain product quality, do not store in heat or direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store in original container. Recommended storage temperature: 15 - 30 °C.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Disodium tetraborate decahydrate (CAS 1303-96-4)	STEL	6 mg/m3	Inhalable fraction.
	TWA	2 mg/m3	Inhalable fraction.
Subtilisin (CAS 9014-01-1)	Ceiling	0.00006 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Disodium tetraborate decahydrate (CAS 1303-96-4)	TWA	5 mg/m3
Subtilisin (CAS 9014-01-1)	STEL	0.00006 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
Propane -1,2 -diol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

Skin protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Blue.

Odor Detergent.

Odor threshold Not available.

pH 7.8 - 8.8

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.1
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Heat, sparks, flames. Avoid frost.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	In case of inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Exposure may cause temporary irritation, redness, or discomfort. Sensitization.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
Disodium tetraborate decahydrate (CAS 1303-96-4)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
Dust		
LC50	Rat	> 2.04 mg/l, 4 Hours
Oral		
LD50	Rat	> 2500 mg/kg

Components	Species	Test Results
Propane -1,2 -diol (CAS 57-55-6)		
Acute		
Dermal		
LD50	Rabbit	20800 mg/kg
Oral		
LD50	Rat	22000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Reproductive toxicity The product contains a small amount of substance that may damage fertility or the unborn child.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

Further information No data available.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
Disodium tetraborate decahydrate (CAS 1303-96-4)			
Acute			
	LC50	Limanda limanda	74 mg/l, 4 days
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	79.7 mg/l, 4 days
Propane -1,2 -diol (CAS 57-55-6)			
Aquatic			
Acute			
Algae	EC50	Selenastrum capricornutum	19000 mg/l, 72 hours
Crustacea	LC50	Ceriodaphnia	18340 mg/l, 48 hours
Fish	LC50	Pimephales promelas	46500 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)	All components of the mixture on the TSCA 8(b) inventory are designated “active”.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Disodium tetraborate decahydrate (CAS 1303-96-4)

US. New Jersey Worker and Community Right-to-Know Act

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

US. Rhode Island RTK

Disodium tetraborate decahydrate (CAS 1303-96-4)
Propane -1,2 -diol (CAS 57-55-6)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Disodium tetraborate decahydrate (CAS 1303-96-4)
Subtilisin (CAS 9014-01-1)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 06-February-2020

Revision date 07-June-2021

Version # 1.1

HMIS® ratings Health: 1*
Flammability: 0
Physical hazard: 0

List of abbreviations LD50: Lethal Dose 50%.
LC50: Lethal Concentration 50%.
EC50: Effective Concentration 50%.

References HSDB® - Hazardous Substances Data Bank

Disclaimer Advanced Sterilization Products cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

ATTACHMENT 4
Photo Logs

Chemical Inventory

Photo 1: View of Clear Cutting Oil found in first-floor commercial space, facing west.

Photo 2: View of Pro Dope Pipe Joint Compound found in first-floor commercial space, facing west.

Photo 3: View of Xtra Dishwashing Liquid Soap found in commercial cellar space and used to wash floors near IA-1 and IA-3 sampling location, facing southwest.

Photo 4: View of Mistolin found in commercial cellar space and used to wash the floors near IA-1 and IA-3 sampling locations, facing southwest.

Photo 5: View of Goof Off found in trash compactor room, facing south.

Photo 6: View of Sprayway Glass Cleaner found in trash compactor room, facing south.

Photo 7: View of Zep Foaming Glass Cleaner found in trash compactor room, facing south.

Photo 8: View of Windex found in trash compactor room, facing south.

Photo 9: View of 101 Bleach found in trash compactor room, facing south.

Photo 10: View of Sprayway Stainless Steel found in trash compactor room, facing south.

Photo 11: View of Stainless Steel Polish found in trash compactor room, facing south.

Indoor Air Sampling

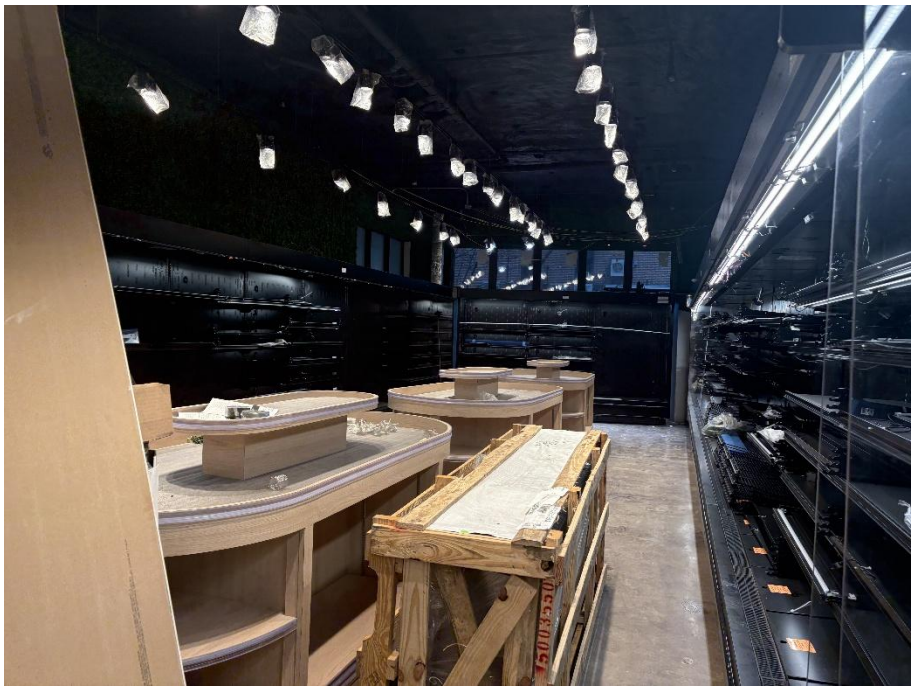


Photo 1: View of first-floor commercial space, facing west.

Photo 2: View of commercial space cellar, facing northwest.

Photo 3: View of IA-4 sampling location in the first-floor commercial space, facing south.

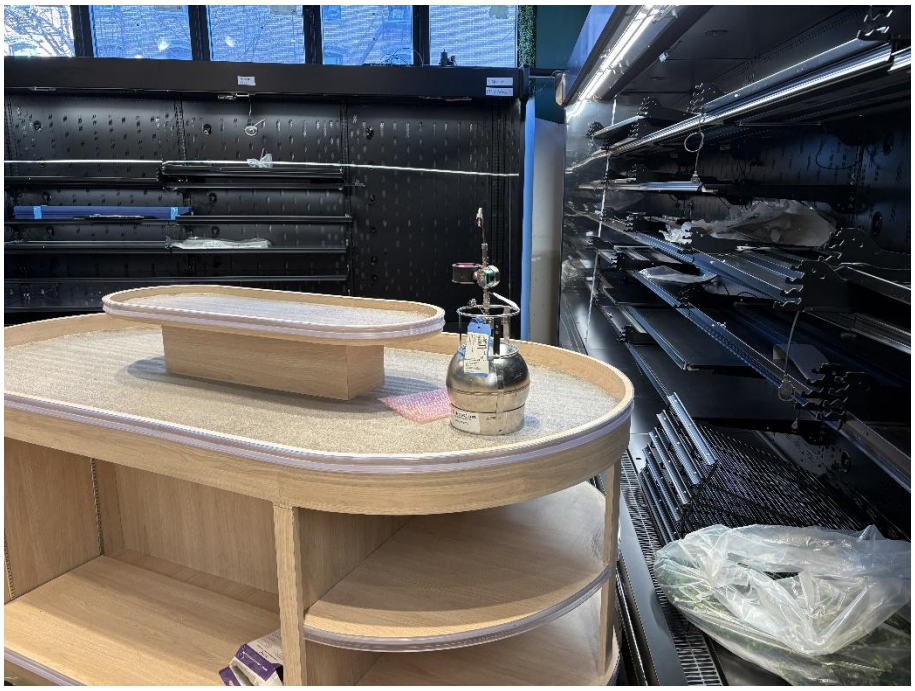


Photo 4: View of IA-5 sampling location in the first-floor commercial space, facing west.

Photo 5: View of IA-1 sampling location in the commercial cellar, facing southwest.

Photo 6: View of IA-3 sampling location in the commercial cellar, facing northwest.

Photo 7: View of IA-2 sampling location in the residential cellar lounge and its ambient parts per billion (ppb) reading, facing west.

Photo 8: View of ambient air canister location and ppb reading, facing southeast.

Photo 9: View of riser in trash compactor room, facing northwest.

Monitoring Point Reinstallation

Photo 1: View of MP-03 reading, facing south.

Photo 2: View of MP-01 reading, facing northwest.

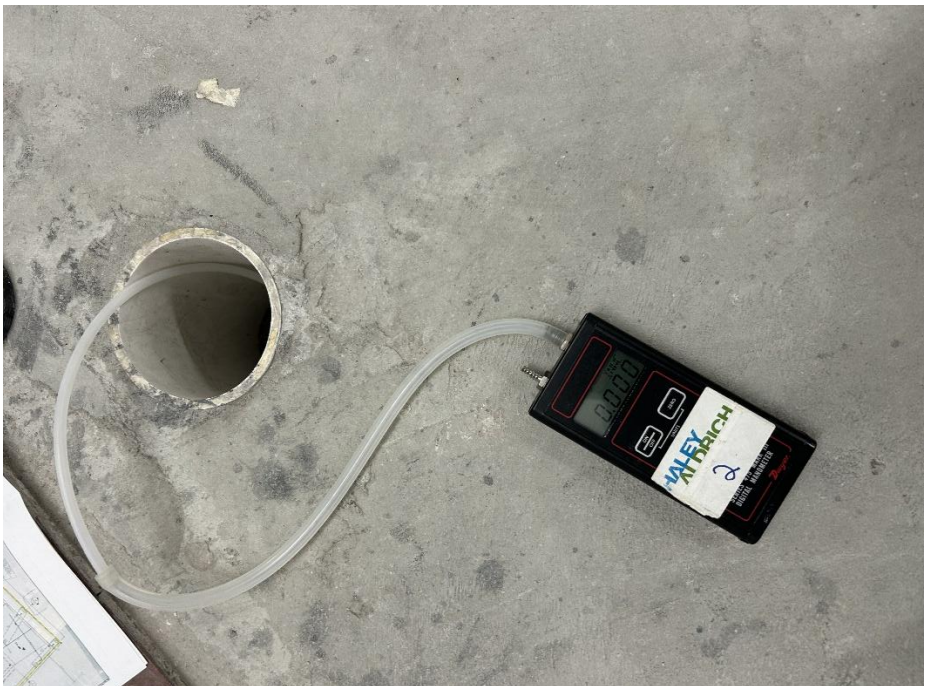


Photo 3: View of MP-04 reading, facing west.

Photo 4: View of MP-02 reading, facing north.

Photo 5: View riser reading, facing west.

Photo 6: View of reinstallation of MP-04, facing southwest.

Photo 7: View of sealed previous monitoring point and new vapor pin at MP-04, facing southwest.

Photo 8: View of new MP-02 reading, facing east.

Photo 9: View of MP-03 reading, facing southwest.

Photo 10: View of new MP-01 reading, facing northwest.

Photo 11: View of new MP-02 reading, facing east.

Photo 12: View riser reading, facing south.

ATTACHMENT 5
Data Usability Summary Report

Data Usability Summary Report

Project Name: 340 Myrtle Ave, Brooklyn, NY – 2026

Project Description: Soil Gas, Indoor Air and Ambient Air Samples

Sample Dates: March 9 and 10, 2026

Analytical Laboratory: Pace Analytical Services – Mansfield, MA

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: April 20, 2026

Table of Contents

1.	**Introduction**	**3**
2.	**Sample Delivery Group L2612752**	**4**
2.1	SAMPLE MANAGEMENT	4
2.2	HOLDING TIMES/PRESERVATION	4
2.3	REPORTING LIMITS AND SAMPLE DILUTIONS	4
2.4	SURROGATE RECOVERY COMPLIANCE	4
2.5	LABORATORY CONTROL SAMPLES	5
2.6	BLANK SAMPLE ANALYSIS	5
2.7	DUPLICATE SAMPLE ANALYSIS	5
2.8	PRECISION AND ACCURACY	5
2.9	CLEAN CANISTER CERTIFICATION	5
2.10	SYSTEM PERFORMANCE AND OVERALL ASSESSMENT	5
3.	**Explanations**	**6**
4.	**Glossary**	**7**
5.	**Abbreviations**	**8**
6.	**Qualifiers**	**9**
References		**10**

1. Introduction

H & A of New York Engineering and Geology, LLP prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for Sample Delivery Group (SDG) listed. This DUSR is organized into the sections listed in the Table of Contents.

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Organic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.

Data reported in this sampling event were reported to the laboratory method detection limit (MDL). Results found reported between the MDL and reporting limit (RL) are flagged J as estimated.

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages.

All results are usable with no exceptions noted.

2. Sample Delivery Group L2612752

2.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG number L2612752, dated March 12, 2026. Samples were collected, preserved, and shipped following standard chain of custody (COC) protocols.

Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- The sample was transferred from a Tedlar bag into a fused silica gel-lined canister by the laboratory upon receipt to extend the holding time.
- The COC does not clearly indicate that samples were 24-hour composites. The samples were started on 3/9 and collected on 3/10; end times correspond to the following day.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods
RISER_20260310	N	L2612752-01	03/10/2026	GS	A
IA-01_20260309	N	L2612752-02	03/09/2026	IA	A, B
IA-02_20260309	N	L2612752-03	03/09/2026	IA	A, B
IA-03_20260309	N	L2612752-04	03/09/2026	IA	A, B
IA-04_20260309	N	L2612752-05	03/09/2026	IA	A, B
IA-05_20260309	N	L2612752-06	03/09/2026	IA	A, B
AA-01_20260309	N	L2612752-07	03/09/2026	AA	A, B

Method Holding Times			
A.	TO-15	Volatile Organic Compounds (VOCs) in air	30 days
B.	TO-15 SIM	Volatile Organic Compounds (VOCs) in air by SIM	

2.2 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

2.3 REPORTING LIMITS AND SAMPLE DILUTIONS

No sample dilutions were performed for the analysis of the samples in this report.

2.4 SURROGATE RECOVERY COMPLIANCE

Refer to Section E 1.1. The percent recovery (%R) for each surrogate compound added to each project sample was determined to be within the laboratory-specified quality control (QC) limits.

2.5 LABORATORY CONTROL SAMPLES

Refer to Section E 1.2. Compounds associated with the laboratory control sample (LCS) analyses associated with client samples exhibited recoveries within the specified limits.

2.6 BLANK SAMPLE ANALYSIS

Refer to Section E 1.3. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

2.7 DUPLICATE SAMPLE ANALYSIS

Refer to Section E 1.4. The laboratory did not analyze any laboratory duplicates as per the method or laboratory SOP.

2.8 PRECISION AND ACCURACY

Refer to Section E 1.5. Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

2.9 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 and TO-15 SIM sample collections were certified-clean by individual can analysis prior to sampling to document that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

2.10 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are usable and acceptable, as no data were rejected. No qualifiers were applied to any data in this report.

3. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.1 Surrogate Recovery Compliance
  - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determining the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.2 Laboratory Control Samples
  - The LCS/laboratory control sample duplicate (LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.3 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.4 Laboratory Duplicate Sample Analysis
  - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.5 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the relative percent difference (RPD) found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
  - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

4. Glossary

*Analyte names may be abbreviated for simplicity. Please reference the laboratory report for the full analyte name.
Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
  - EB Equipment Blank Sample
  - FB Field Blank Sample
  - FD Field Duplicate Sample
  - N Primary Sample
  - TB Trip Blank Sample
- Units:
  - ng/kg nanograms per kilogram
  - µg/L micrograms per liter
  - µg/m3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppbv/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - ST Solid Waste
  - WM Stormwater
  - WQ Water Quality control matrix
  - WS Surface Water
  - WW Waste Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)
- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

5. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorbutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

6. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:

  U — The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or "ND."

  B — The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers:

  E — The compound was quantitated above the calibration range.

  D — The concentration is based on a diluted sample analysis.

- Validation Qualifiers:

  J — The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  J+ — The result is an estimated quantity, but the result may be biased high.

  J- — The result is an estimated quantity, but the result may be biased low.

  J/UJ — as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.

  UJ — The compound was not detected. The reported sample quantitation limit is approximate.

  NJ — The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.

  R — The sample results were rejected as unusable; the compound may or may not be present in the sample.

  S — Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June.
2. United States Environmental Protection Agency, 2020. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.