



H & A OF NEW YORK ENGINEERING
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June 30, 2025
File No. 0210873

New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, New York 11101

Attention: Mr. Christopher Allan

Subject: Post-Remedy Groundwater Monitoring – March 2025 Data
340 Myrtle Avenue
Brooklyn, New York
NYSDEC BCP Site No. C224340

Dear Mr. Allan:

H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is pleased to submit this report to document groundwater monitoring at the 340 Myrtle Avenue Redevelopment Site ("Site") for March 2025. 340 Myrtle Development LLC (the Participant) has remediated a 0.202-acre property known as the 340 Myrtle Avenue Site, designated under Brownfield Cleanup Program (BCP) Site No. C224340. See **Figure 1** for a Site plan.

Purpose

This report summarizes groundwater monitoring activities, which are requirements of the Site Management Plan (SMP), dated February 25, 2025, and approved by the New York State Department of Environmental Conservation (NYSDEC).

Groundwater Monitoring Network

Five monitoring wells are used for post-remedy monitoring: two on-site within the source area and three off-site cross- and/or down-gradient. The monitoring well cover for MW-04 was damaged during construction activities and reinstalled on March 4, 2025. Monitoring well MW-05 was not sampled during this event, as it was damaged during the implementation of construction activities after the completion of the remedial action. NYSDEC was alerted to the loss of MW-05 on February 27, 2025. MW-05 was inaccessible during this quarter for reinstallation due to the presence of scaffolding for the superstructure. MW-05 is scheduled to be reinstalled prior to the next quarterly groundwater monitoring event. The well locations and groundwater contours are shown on **Figure 2**.

Groundwater Monitoring

Groundwater monitoring has occurred at the Site since completion of remediation in August 2024 and submittal of the final SMP in February 2025. An Environmental Easement (EE) package was submitted to NYSDEC on September 26, 2024, and recorded with the Kings County Clerk on October 23, 2024. The EE requires compliance with the SMP and the Institutional Controls (ICs) placed on the Site. Upon the completion of the post-remedy groundwater sampling and evaluation of the results, a determination will be made if the ICs can be lifted or become permanent. Samples will be collected until the EE is terminated in accordance with New York State Environmental Conservation Law (ECL) Article 71, Title 36, or until it is determined in consultation with NYSDEC and New York State Department of Health (NYSDOH) that groundwater concentrations are found below the NYSDEC standards or have become asymptotic over an extended period. In March 2025, groundwater monitoring was performed in accordance with the Groundwater Monitoring Plan included in the SMP.

Samples were collected and analyzed in accordance with the NYSDEC-approved SMP, which included the following analyses:

- Chlorinated volatile organic compounds (CVOCs) by U.S. Environmental Protection Agency (EPA) Method 8260C

Chemical analyses were performed by Pace Analytical Services, LLC (Pace), an NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Analytical results from the March 2025 sampling event are summarized in **Table 1** and on **Figure 3** and are compared to the Class GA Groundwater values listed in the Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards (AWQS). **Appendix A** contains the laboratory reports for the groundwater sampling analyses. **Appendix B** contains groundwater monitoring purge logs. Shaded values in **Table 1** indicate results that are higher than their respective AWQS.

March 2025 Results Summary

The March 2025 groundwater sampling event was performed on March 13 and March 14, 2025, using low-flow sampling procedures. Well purging, sampling, sample containment, chain of custody and sample transportation procedures, and laboratory analyses were completed in accordance with the SMP. Results exceeding the AWQS are summarized as follows:

MW-31: One CVOC, tetrachloroethene (PCE), was detected above its AWQS at an estimated concentration of 17 micrograms per liter (µg/L).

MW-04: One CVOC, PCE, was detected above its AWQS at a concentration of 41 µg/L.

MW-06: One CVOC, PCE, was detected above its AWQS at a concentration of 60 µg/L. PCE was also detected above its AWQS in the duplicate sample collected at MW-06, at a concentration of 66 µg/L.

MW-07: One CVOC, PCE, was detected above its AWQS at a concentration of 19 µg/L.

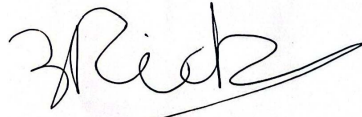
Future Monitoring

Future groundwater monitoring events will occur quarterly at the Site. The next event will occur in Q2 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



Zavier Richards
Environmental Engineer



Nicole A. Mooney
Assistant Project Manager



Matthew Levy
Senior Project Manager

Attachments:

- Table 1 – Post-Remedy Groundwater Monitoring Results – March 2025
- Figure 1 – Site Plan
- Figure 2 – March 2025 Groundwater Contours
- Figure 3 – Post-Remedy Groundwater Exceedances
- Appendix A – March 2025 Laboratory Reports
- Appendix B – March 2025 Groundwater Monitoring Purge Logs

https://haleyaldrich.sharepoint.com/sites/BrooklynBuildersInc/Shared Documents/0210873.340 Myrtle BCP Site/Deliverables/08. Quarterly Groundwater Monitoring Reports/2025_Q1 GWM Report/2025_0630-HANY-C224340_GWM_Report Q1 2025_F.docx

TABLE

TABLE 1**POST-REMEDY GROUNDWATER MONITORING RESULTS - MARCH 2025**

340 MYRTLE AVENUE

BROOKLYN, NEW YORK

FILE NO. 0210873

Location Name Sample Name Sample Date Lab Sample ID	Criteria					
	New York TOGS	MW-3I	MW-4	MW-6	MW-6	MW-7
	111 Ambient	MW-3I_20250313	MW-4_20250313	MW-6_20250313	DUP-01_20250313	MW-7_20250314
	Water Quality Standards	03/13/2025 L2514654-03	03/13/2025 L2514654-06	03/13/2025 L2514654-04	03/13/2025 L2514654-05	03/14/2025 L2514879-01
Volatile Organic Compounds (µg/L)						
1,1,1-Trichloroethane	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
1,1-Dichloroethene	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon tetrachloride	5	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroform (Trichloromethane)	7	5	2.2 J	2.4 J	2.3 J	3.6
cis-1,2-Dichloroethene	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Methylene chloride (Dichloromethane)	5	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)
Tetrachloroethene	5	17 J	41	60	66	19
Trichloroethene	5	0.35 J	0.68	0.59	0.6	0.89
Vinyl chloride	2	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)

ABBREVIATIONS AND NOTES:*µg/L: micrograms per liter**J: Value is estimated**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.*

- Groundwater analytical results are compared to NY-AWQS: NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA Water.

- Grey shading indicates an exceedance of the AWQS criteria.

FIGURES

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0210873\GIS\010873 MYRTLE BCP SITE BROOKLYN.aprx - USER: mmjones - LAST SAVED: 6/11/2024 5:09 PM

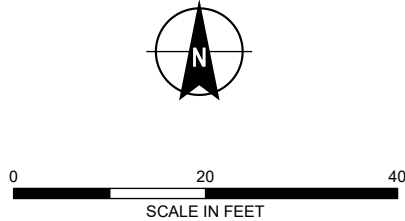


LEGEND

SITE BOUNDARY

PARCEL BOUNDARY

- NOTES**
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 2. PARCEL DATA SOURCE: KINGS COUNTY
 3. AERIAL IMAGERY SOURCE: NEARMAP, 8 MARCH 2024



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ALDRICH**

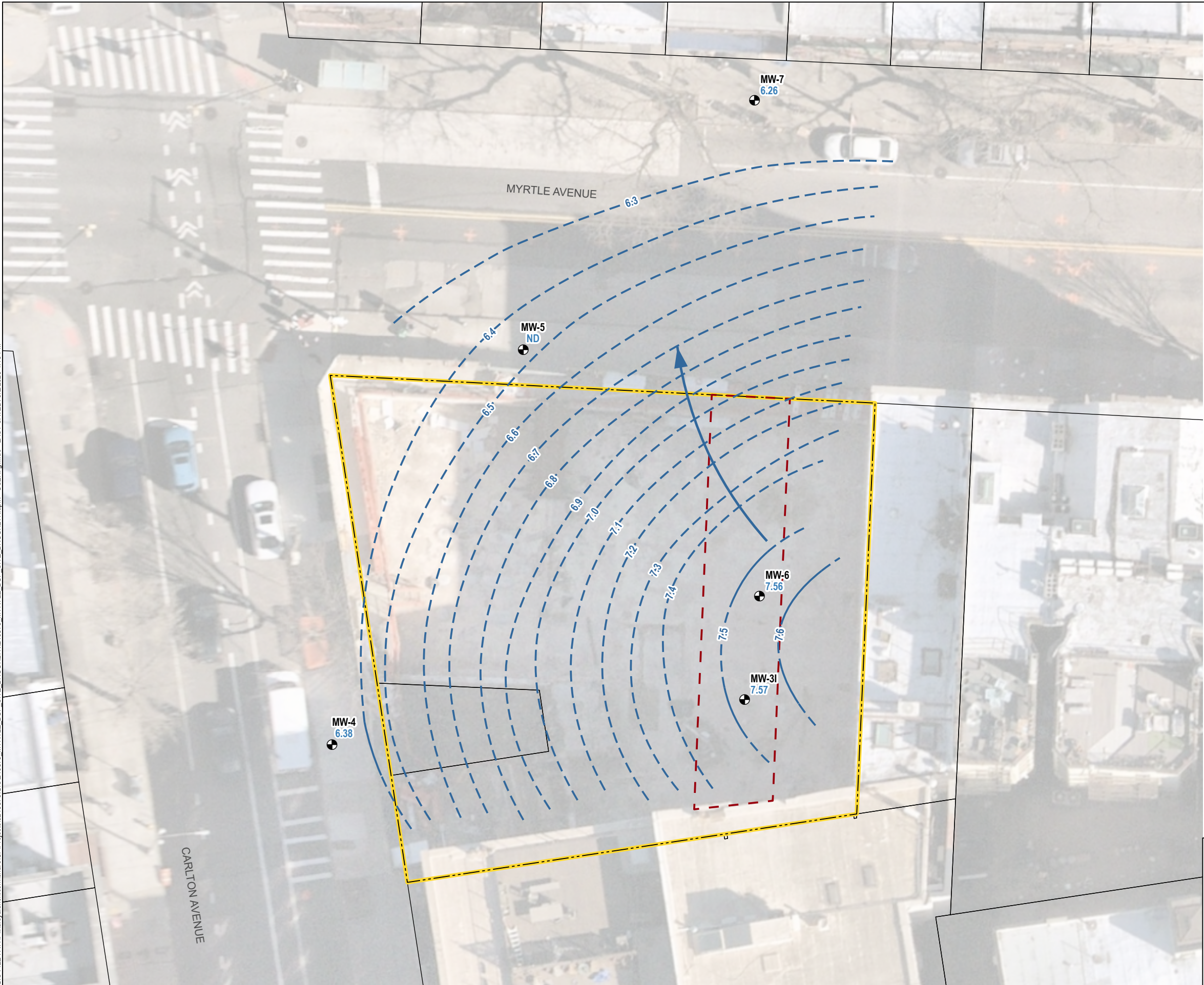
340 MYRTLE AVENUE
BROOKLYN, NEW YORK

SITE PLAN

JUNE 2024

FIGURE 1

C:\GIS\FILE PATH\Hale Aldrich\CF\Projects\0210873\GIS\210873 MYRTLE BCP SITE BROOKLYN.aprx - USER: gwhite - LAST SAVED: 9/2/2025 4:19 PM

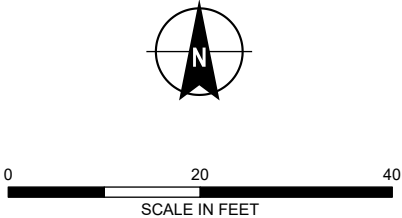


LEGEND

- MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET (FT)
- GROUNDWATER ELEVATION CONTOUR, IN FT (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- FORMER DRY CLEANER
- SITE BOUNDARY
- PARCEL BOUNDARY

NOTES

- ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
- ND = NO DATA
- MONITORING WELL MW-5 WAS DESTROYED DURING CONSTRUCTION ACTIVITIES AND WILL BE REINSTALLED AT A FUTURE DATE.
- PARCEL DATA SOURCE: KINGS COUNTY
- AERIAL IMAGERY SOURCE: NEARMAP, 8 MARCH 2024



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340 MYRTLE AVENUE
BROOKLYN, NEW YORK

MARCH 2025
GROUNDWATER CONTOURS

SEPTEMBER 2025

FIGURE 2

APPENDIX A
March 2025 Laboratory Reports



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2514654

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

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Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514654
Report Date: 03/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2514654-01	FIELD BLANK_20250313	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 07:50	03/13/25
L2514654-02	TRIP BLANK	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 00:00	03/13/25
L2514654-03	MW-3I_20250313	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 11:30	03/13/25
L2514654-04	MW-6_20250313	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 13:45	03/13/25
L2514654-05	DUP-01_20250313	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 13:50	03/13/25
L2514654-06	MW-4_20250313	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/13/25 15:30	03/13/25

Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514654
Report Date: 03/20/25

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514654
Report Date: 03/20/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature:

Caithlin Walukh

Report Date: 03/20/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514654
Report Date: 03/20/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514654
Report Date: 03/20/25

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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 : L2514654

Received : 13-MAR-2025

Account Name : Haley & Aldrich

Reviewer : Chris Tebeau

Project Number : 0210873-000-001-16

Project Name : 340 MYRTLE AVE

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.7	

Condition Information

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

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 20 2025, 04:27 pm

Login Number: L2514654

Account: HALEY-NYC Haley & Aldrich Project: 0210873-000-001-16

Received: 13MAR25 Due Date: 20MAR25

Sample #	Client ID	Mat PR Collected
L2514654-01 FIELD BLANK_20250313		1 S0 13MAR25 07:50
8260: CVOC RL built ASP-B Package Due Date: 03/20/25		
ASP-B, NYTCL-8260		
L2514654-02 TRIP BLANK		1 S0 13MAR25 00:00
8260: CVOC RL built Package Due Date: 03/20/25		
NYTCL-8260		
L2514654-03 MW-3I_20250313		1 S0 13MAR25 11:30
L2514654-03 MS L2514654-03 MSD 8260: CVOC RL built Package Due Date: 03/20/25		
MS/MSD, NYTCL-8260		
L2514654-04 MW-6_20250313		1 S0 13MAR25 13:45
8260: CVOC RL built Package Due Date: 03/20/25		
NYTCL-8260		
L2514654-05 DUP-01_20250313		1 S0 13MAR25 13:50
8260: CVOC RL built Package Due Date: 03/20/25		
NYTCL-8260		
L2514654-06 MW-4_20250313		1 S0 13MAR25 15:30
8260: CVOC RL built Package Due Date: 03/20/25		
NYTCL-8260		

Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Haley & Aldrich
Project Name: 340 MYRTLE AVE

Lab Number: L2514654
Project Number: 0210873-000-001-16
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
FIELD BLANK_20250313 (L2514654-01)	121	102	110	114	0
TRIP BLANK (L2514654-02)	124	102	114	109	0
MW-3I_20250313 (L2514654-03)	125	103	109	113	0
MW-6_20250313 (L2514654-04)	121	100	106	109	0
DUP-01_20250313 (L2514654-05)	119	102	111	108	0
MW-4_20250313 (L2514654-06)	123	100	108	109	0
WG2042829-3LCS	119	109	103	99	0
WG2042829-4LCSD	121	107	106	105	0
WG2042829-5BLANK	120	100	108	117	0
MW-3I_20250313MS	121	105	104	98	0
MW-3I_20250313MSD	121	105	106	99	0

QC LIMITS

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

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2042829-3 Analysis Date : 03/19/25 07:08 File ID : V08250319A02
 LCSD Sample ID : WG2042829-4 Analysis Date : 03/19/25 07:30 File ID : V08250319A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	11	110	10	12	120	9	70-130	20
Chloroform	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
Tetrachloroethene	10	10	100	10	9.5	95	5	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Vinyl chloride	10	8.9	89	10	9.5	95	7	55-140	20
1,1-Dichloroethene	10	9.9	99	10	11	110	11	61-145	20
Trichloroethene	10	10	100	10	9.8	98	2	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Client Sample ID : MW-3I_20250313
 Lab Sample ID : L2514654-03
 Matrix Spike : WG2042829-6
 Matrix Spike Dup : WG2042829-7

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Matrix (Level) : WATER (LOW)
 Analysis Date : 03/19/25 15:04
 MS Analysis Date : 03/19/25 16:33
 MSD Analysis Date : 03/19/25 16:55

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	11	110	10	11	110	0	70-130	20
Chloroform	5.0	10	18	130	10	18	130	0	70-130	20
Carbon tetrachloride	ND	10	10	100	10	10	100	0	63-132	20
Tetrachloroethene	17	10	31	140 Q	10	30	130	3	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	10	100	10	67-130	20
Vinyl chloride	ND	10	9.3	93	10	9.6	96	3	55-140	20
1,1-Dichloroethene	ND	10	10	100	10	10	100	0	61-145	20
Trichloroethene	0.35J	10	11	110	10	10	100	10	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Haley & Aldrich	Lab Number	: L2514654
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Lab Sample ID	: WG2042829-5	Lab File ID	: V08250319A05
Instrument ID	: VOA108		
Matrix	: WATER	Analysis Date	: 03/19/25 08:14

Client Sample No.	Lab Sample ID	Analysis Date
WG2042829-3LCS	WG2042829-3	03/19/25 07:08
WG2042829-4LCSD	WG2042829-4	03/19/25 07:30
FIELD BLANK_20250313	L2514654-01	03/19/25 14:19
TRIP BLANK	L2514654-02	03/19/25 14:42
MW-3I_20250313	L2514654-03	03/19/25 15:04
MW-6_20250313	L2514654-04	03/19/25 15:26
DUP-01_20250313	L2514654-05	03/19/25 15:49
MW-4_20250313	L2514654-06	03/19/25 16:11
MW-3I_20250313MS	WG2042829-6	03/19/25 16:33
MW-3I_20250313MSD	WG2042829-7	03/19/25 16:55

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Instrument ID : VOA108	Analysis Date : 01/24/25 22:39
Tune Standard : WG2031003-1	Tune File ID : V08250124NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 80.0% of mass 95	54.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (.9)1
174	Greater than 50.0% of mass 95	87.6
175	5.0 - 9.0% of mass 174	6.4 (7.3)1
176	Greater than 95.0% but less than 101% of mass	85.4 (97.6)1
177	5.0 - 9.0% of mass 176	5.5 (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
STD0.19PPB	R1931578-1	V08250124N03	01/24/25 23:49
STD0.5PPB	R1931578-2	V08250124N05	01/25/25 00:34
STD2PPB	R1931578-3	V08250124N07	01/25/25 01:18
STD10PPB	R1931578-4	V08250124N09	01/25/25 02:02
STD30PPB	R1931578-5	V08250124N10	01/25/25 02:25
STD80PPB	R1931578-6	V08250124N11	01/25/25 02:47
STD120PPB	R1931578-7	V08250124N12	01/25/25 03:09
STD200PPB	R1931578-8	V08250124N13	01/25/25 03:32
Correlation Data Summary	R1931578-9	V08250124N18	01/25/25 05:24
ICV Quant Report	R1931578-9	V08250124N18	01/25/25 05:24



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Instrument ID : VOA108	Analysis Date : 03/19/25 06:30
Tune Standard : WG2042829-1	Tune File ID : V08250319ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21
75	30.0 - 80.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (.8)1
174	Greater than 50.0% of mass 95	79
175	5.0 - 9.0% of mass 174	6 (7.6)1
176	Greater than 95.0% but less than 101% of mass	78.1 (98.9)1
177	5.0 - 9.0% of mass 176	4.8 (6.1)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2042829-2CCAL	WG2042829-2	V08250319A02	03/19/25 07:08
WG2042829-3LCS	WG2042829-3	V08250319A02	03/19/25 07:08
WG2042829-4LCSD	WG2042829-4	V08250319A03	03/19/25 07:30
WG2042829-5BLANK	WG2042829-5	V08250319A05	03/19/25 08:14
FIELD BLANK_20250313	L2514654-01	V08250319A21	03/19/25 14:19
TRIP BLANK	L2514654-02	V08250319A22	03/19/25 14:42
MW-3I_20250313	L2514654-03	V08250319A23	03/19/25 15:04
MW-6_20250313	L2514654-04	V08250319A24	03/19/25 15:26
DUP-01_20250313	L2514654-05	V08250319A25	03/19/25 15:49
MW-4_20250313	L2514654-06	V08250319A26	03/19/25 16:11
WG2042829-6MS	WG2042829-6	V08250319A27	03/19/25 16:33
WG2042829-7MSD	WG2042829-7	V08250319A28	03/19/25 16:55



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA108
 Sample No : WG2042829-2

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Analysis Date : 03/19/25 07:08:00
 Lab File ID : V08250319A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2042829-2	226799	6.01	168594	9.53	100471	12.22
Upper Limit	453598	6.51	337188	10.03	200942	12.72
Lower Limit	113400	5.51	84297	9.03	50236	11.72
Sample ID						
WG2042829-3 LCS	226799	6.01	168594	9.53	100471	12.22
WG2042829-4 LCSD	210031	6.00	159942	9.53	93727	12.23
WG2042829-5 BLANK	178466	6.01	145784	9.53	81359	12.23
FIELD BLANK_20250313	189555	6.01	144417	9.53	74586	12.23
TRIP BLANK	199351	6.01	152705	9.53	76622	12.23
MW-3I_20250313	186724	6.01	137585	9.53	68710	12.23
MW-6_20250313	195188	6.01	151298	9.53	80028	12.23
DUP-01_20250313	196251	6.01	145413	9.53	69678	12.23
MW-4_20250313	198172	6.01	153485	9.53	81154	12.23
MW-3I_20250313 MS	225605	6.01	170459	9.53	102870	12.23
MW-3I_20250313 MSD	230350	6.01	177136	9.53	102393	12.23

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Sol/Solids only)
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Volatile Organics - EPA 8260D (WATER)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	17060-07-0									70-130		
Toluene-d8	2037-26-5									70-130		
4-Bromofluorobenzene	460-00-4									70-130		
Dibromofluoromethane	1868-53-7									70-130		

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
 Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	17060-07-0									70-130		
Toluene-d8	2037-26-5									70-130		
4-Bromofluorobenzene	460-00-4									70-130		
Dibromofluoromethane	1868-53-7									70-130		

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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Lab ID : L2514654-01	Date Collected : 03/13/25 07:50
Client ID : FIELD BLANK_20250313	Date Received : 03/13/25
Sample Location : 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed : 03/19/25 14:19
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : MJV
Lab File ID : V08250319A21	Instrument ID : VOA108
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L2514654
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Lab ID	: L2514654-02	Date Collected	: 03/13/25 00:00
Client ID	: TRIP BLANK	Date Received	: 03/13/25
Sample Location	: 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed	: 03/19/25 14:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08250319A22	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L2514654
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Lab ID	: L2514654-03	Date Collected	: 03/13/25 11:30
Client ID	: MW-3I_20250313	Date Received	: 03/13/25
Sample Location	: 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed	: 03/19/25 15:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08250319A23	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	5.0	2.5	0.70	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	17	0.50	0.18	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	0.35	0.50	0.18	J
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Lab ID : L2514654-04	Date Collected : 03/13/25 13:45
Client ID : MW-6_20250313	Date Received : 03/13/25
Sample Location : 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed : 03/19/25 15:26
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : MJV
Lab File ID : V08250319A24	Instrument ID : VOA108
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	2.4	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	60	0.50	0.18	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	0.59	0.50	0.18	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Lab ID : L2514654-05	Date Collected : 03/13/25 13:50
Client ID : DUP-01_20250313	Date Received : 03/13/25
Sample Location : 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed : 03/19/25 15:49
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : MJV
Lab File ID : V08250319A25	Instrument ID : VOA108
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	2.3	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	66	0.50	0.18	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	0.60	0.50	0.18	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich	Lab Number : L2514654
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Lab ID : L2514654-06	Date Collected : 03/13/25 15:30
Client ID : MW-4_20250313	Date Received : 03/13/25
Sample Location : 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed : 03/19/25 16:11
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : MJV
Lab File ID : V08250319A26	Instrument ID : VOA108
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	2.2	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	41	0.50	0.18	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	0.68	0.50	0.18	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Lab ID : WG2042829-5
 Client ID : WG2042829-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V08250319A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/19/25 08:14
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA108
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A21.d
 Acq On : 19 Mar 2025 2:19 pm
 Operator : VOA108:MJV
 Sample : L2514654-01,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 20 10:46:51 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	189555	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery =	83.58%		
59) Chlorobenzene-d5	9.526	117	144417	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery =	85.66%		
79) 1,4-Dichlorobenzene-d4	12.226	152	74586	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery =	74.24%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.209	113	70165	11.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.80%		
43) 1,2-Dichloroethane-d4	5.728	65	62466	12.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	120.56%		
60) Toluene-d8	7.692	98	183876	10.239	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.39%		
83) 4-Bromofluorobenzene	11.019	95	62582	11.043	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.43%		
Target Compounds						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	

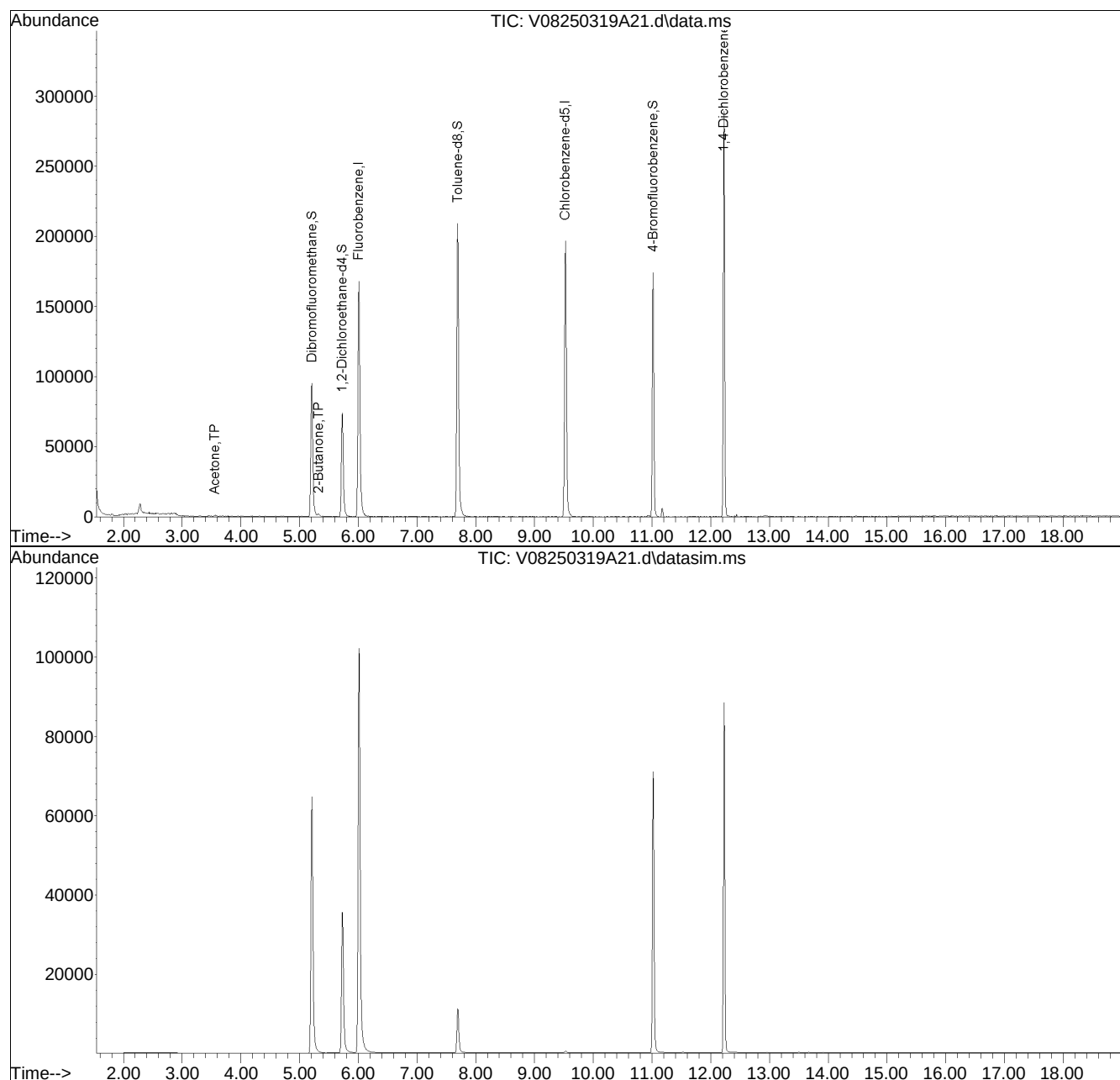
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A21.d
 Acq On : 19 Mar 2025 2:19 pm
 Operator : VOA108:MJV
 Sample : L2514654-01,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 20 10:46:51 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A21.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 2:19 pm	Instrument	: V0A 108
Sample	: L2514654-01,31,10,10,,A	Quant Date	: 3/20/2025 6:53 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A22.d
 Acq On : 19 Mar 2025 2:42 pm
 Operator : VOA108:MJV
 Sample : L2514654-02,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 20 10:50:17 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.008	96	199351	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery =	87.90%		
59) Chlorobenzene-d5	9.525	117	152705	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery =	90.58%		
79) 1,4-Dichlorobenzene-d4	12.226	152	76622	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery =	76.26%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.208	113	70632	10.893	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.93%		
43) 1,2-Dichloroethane-d4	5.728	65	67611	12.407	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	124.07%		
60) Toluene-d8	7.692	98	193992	10.216	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.16%		
83) 4-Bromofluorobenzene	11.018	95	66218	11.375	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.75%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	

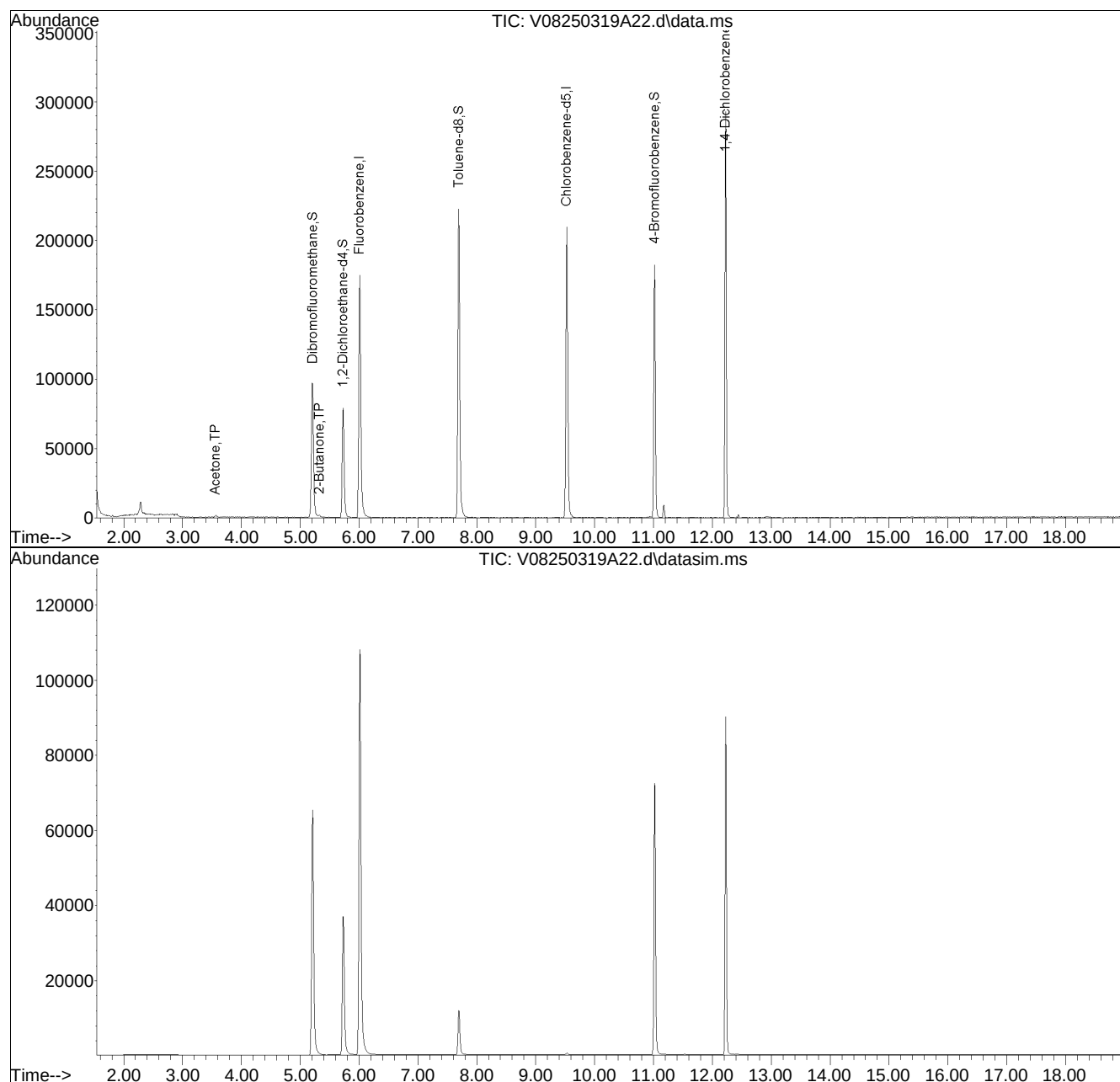
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A22.d
 Acq On : 19 Mar 2025 2:42 pm
 Operator : VOA108:MJV
 Sample : L2514654-02,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 20 10:50:17 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A22.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 2:42 pm	Instrument	: V0A 108
Sample	: L2514654-02,31,10,10,,A	Quant Date	: 3/20/2025 6:53 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A23.d
 Acq On : 19 Mar 2025 3:04 pm
 Operator : VOA108:MJV
 Sample : L2514654-03,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 20 10:50:41 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	186724	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	82.33%	
59) Chlorobenzene-d5	9.526	117	137585	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	81.61%	
79) 1,4-Dichlorobenzene-d4	12.226	152	68710	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	68.39%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.208	113	68517	11.281	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	112.81%	
43) 1,2-Dichloroethane-d4	5.728	65	63587	12.458	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	124.58%	
60) Toluene-d8	7.692	98	175637	10.265	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.65%	
83) 4-Bromofluorobenzene	11.019	95	56977	10.914	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.14%	
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.526	84	185		N.D.	
28) cis-1,2-Dichloroethene	4.770	96	904	0.166	ug/L #	69
32) Chloroform	5.029	83	43584	4.958	ug/L	96
34) Carbon tetrachloride	5.036	117	342		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.180	95	1738	0.350	ug/L #	82
63) Tetrachloroethene	8.198	166	76128	17.264	ug/L	96

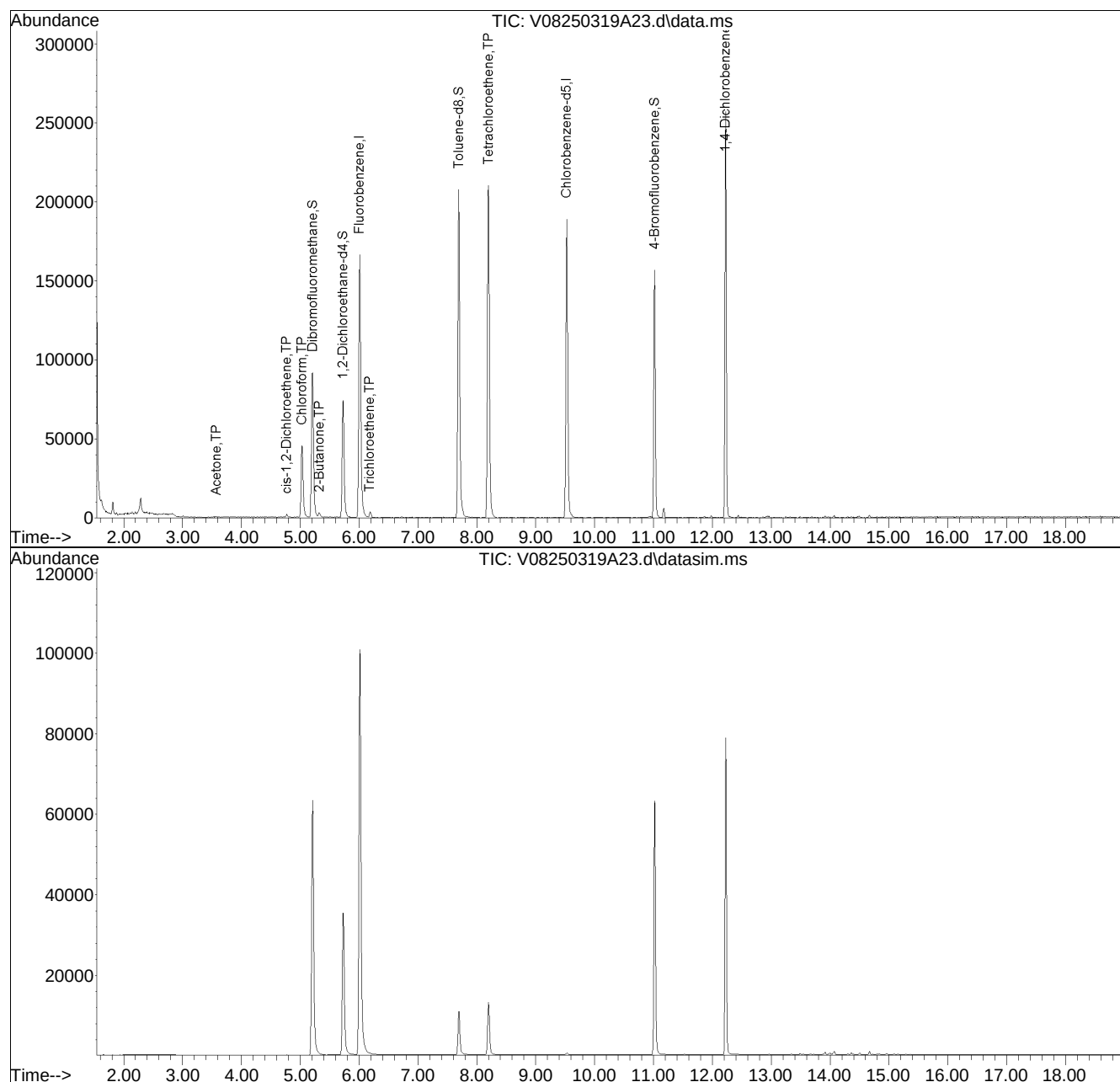
(#) = qualifier out of range (m) = manual integration (+) = signals summed

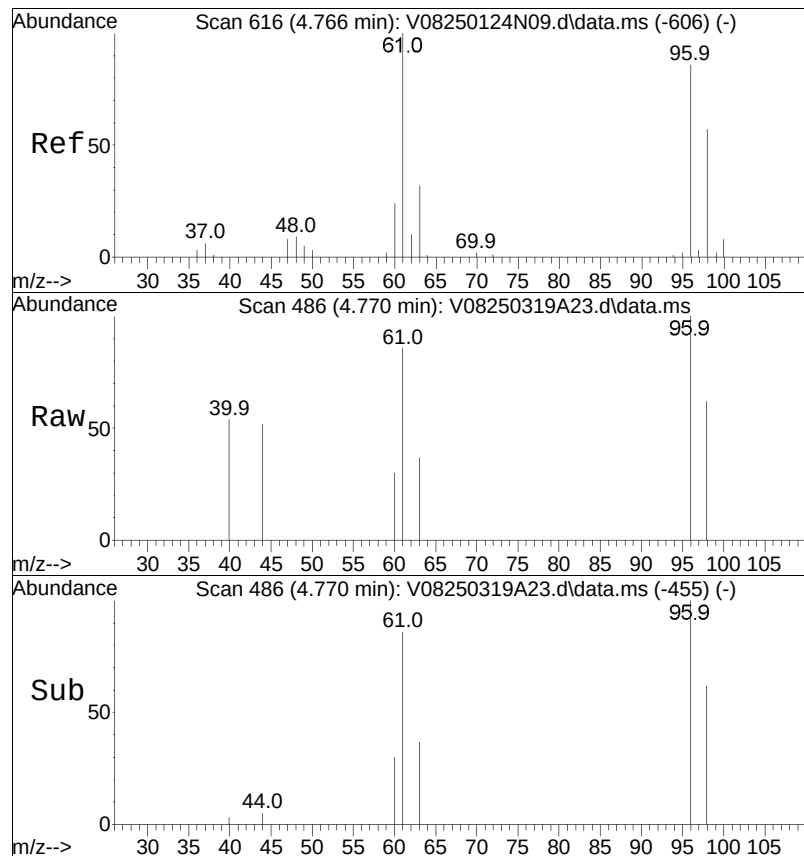
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A23.d
 Acq On : 19 Mar 2025 3:04 pm
 Operator : VOA108:MJV
 Sample : L2514654-03,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 20 10:50:41 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

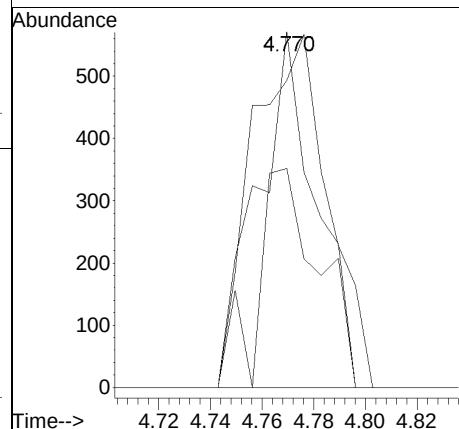
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

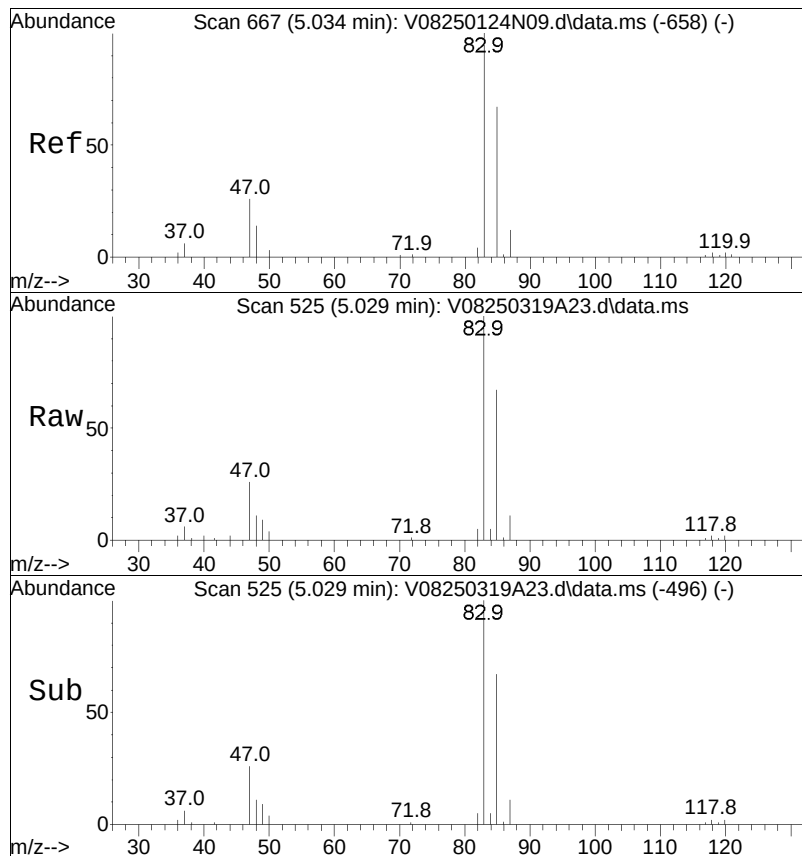




#28
 cis-1,2-Dichloroethene
 Concen: 0.17 ug/L
 RT: 4.770 min Scan# 486
 Delta R.T. 0.004 min
 Lab File: V08250319A23.d
 Acq: 19 Mar 2025 3:04 pm

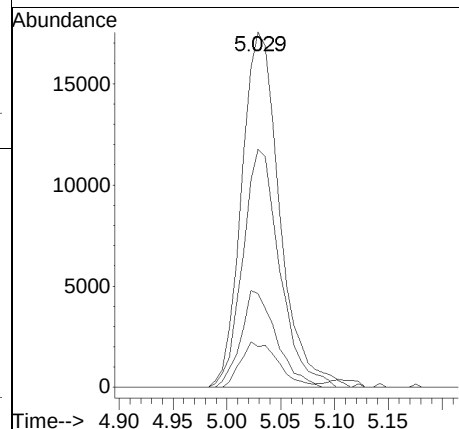
Tgt Ion: 96	Resp: 904
Ion Ratio Lower Upper	
96 100	
61 127.7	149.4 224.2#
98 63.8	53.4 80.2

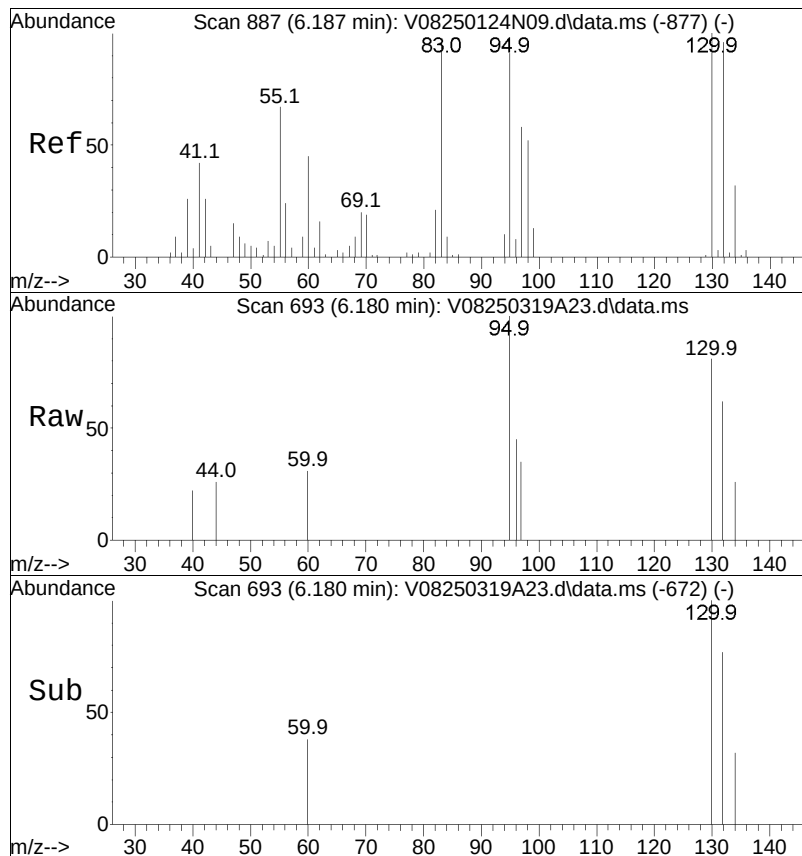




#32
 Chloroform
 Concen: 4.96 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A23.d
 Acq: 19 Mar 2025 3:04 pm

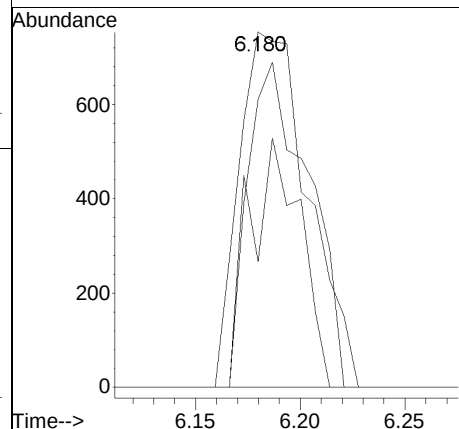
Tgt	Ion: 83	Resp:	43584
Ion	Ratio	Lower	Upper
83	100		
85	65.5	41.5	86.1
47	25.6	19.0	39.4
48	12.6	9.9	20.5

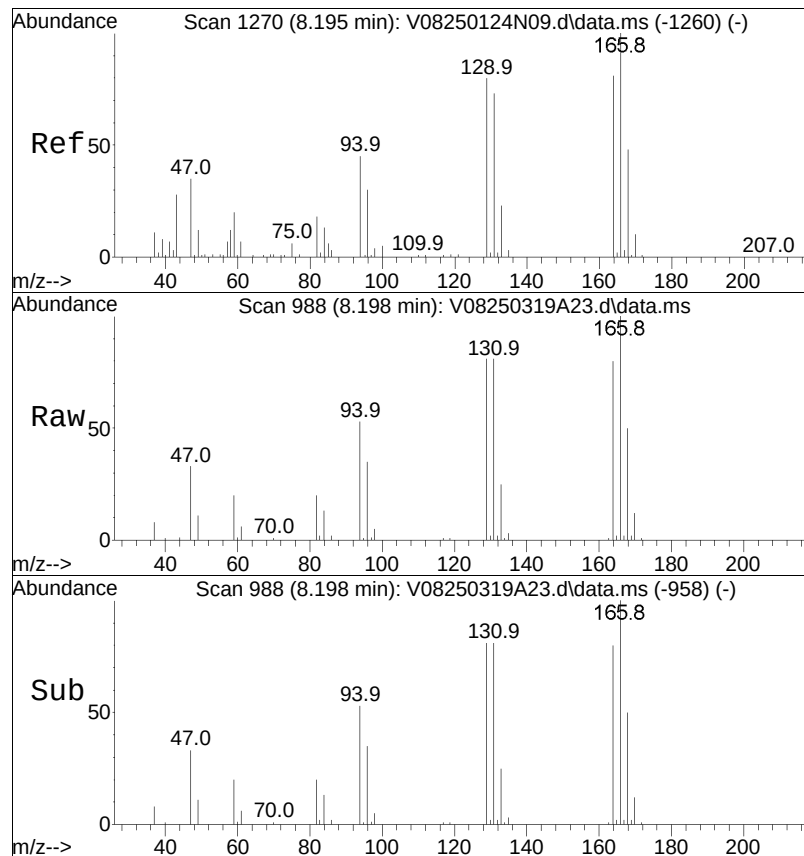




#48
 Trichloroethene
 Concen: 0.35 ug/L
 RT: 6.180 min Scan# 693
 Delta R.T. -0.007 min
 Lab File: V08250319A23.d
 Acq: 19 Mar 2025 3:04 pm

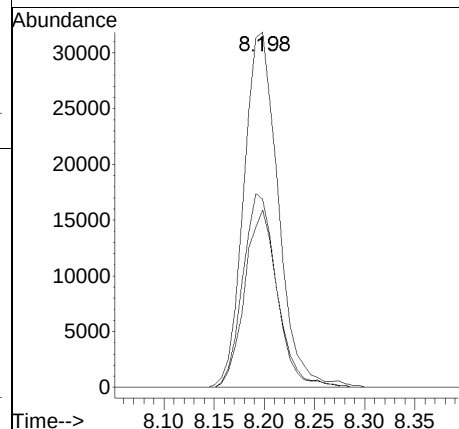
Tgt Ion:	95	Resp:	1738
Ion Ratio	Lower	Upper	
95	100		
97	51.7	55.5	83.3#
130	80.3	76.6	115.0





#63
Tetrachloroethene
Concen: 17.26 ug/L
RT: 8.198 min Scan# 988
Delta R.T. 0.003 min
Lab File: V08250319A23.d
Acq: 19 Mar 2025 3:04 pm

Tgt	Ion:166	Resp:	76128
Ion	Ratio	Lower	Upper
166	100		
168	48.6	28.2	68.2
94	53.3	38.4	78.4



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A23.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 3:04 pm	Instrument	: V0A 108
Sample	: L2514654-03,31,10,10,,A	Quant Date	: 3/20/2025 6:54 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A24.d
 Acq On : 19 Mar 2025 3:26 pm
 Operator : VOA108:MJV
 Sample : L2514654-04,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 20 10:51:03 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	195188	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	86.06%	
59) Chlorobenzene-d5	9.526	117	151298	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	89.74%	
79) 1,4-Dichlorobenzene-d4	12.226	152	80028	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	79.65%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	69037	10.874	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.74%	
43) 1,2-Dichloroethane-d4	5.721	65	64428	12.075	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	120.75%	
60) Toluene-d8	7.692	98	188925	10.041	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.41%	
83) 4-Bromofluorobenzene	11.019	95	64511	10.610	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.10%	
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.526	84	73		N.D.	
28) cis-1,2-Dichloroethene	4.763	96	387		N.D.	
32) Chloroform	5.029	83	21808	2.373	ug/L	95
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.194	95	3081	0.594	ug/L	93
63) Tetrachloroethene	8.198	166	290622	59.933	ug/L	96

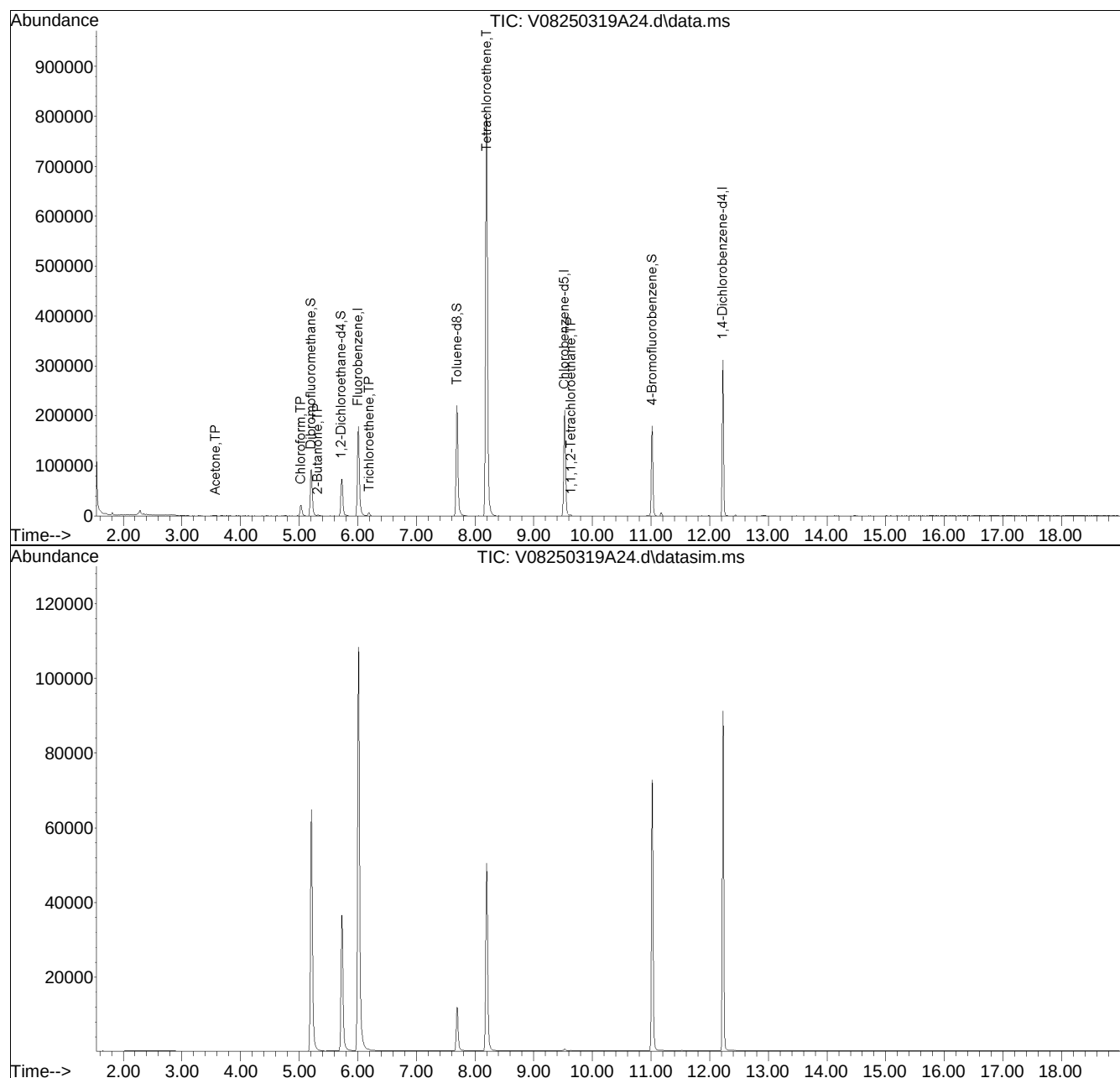
(#) = qualifier out of range (m) = manual integration (+) = signals summed

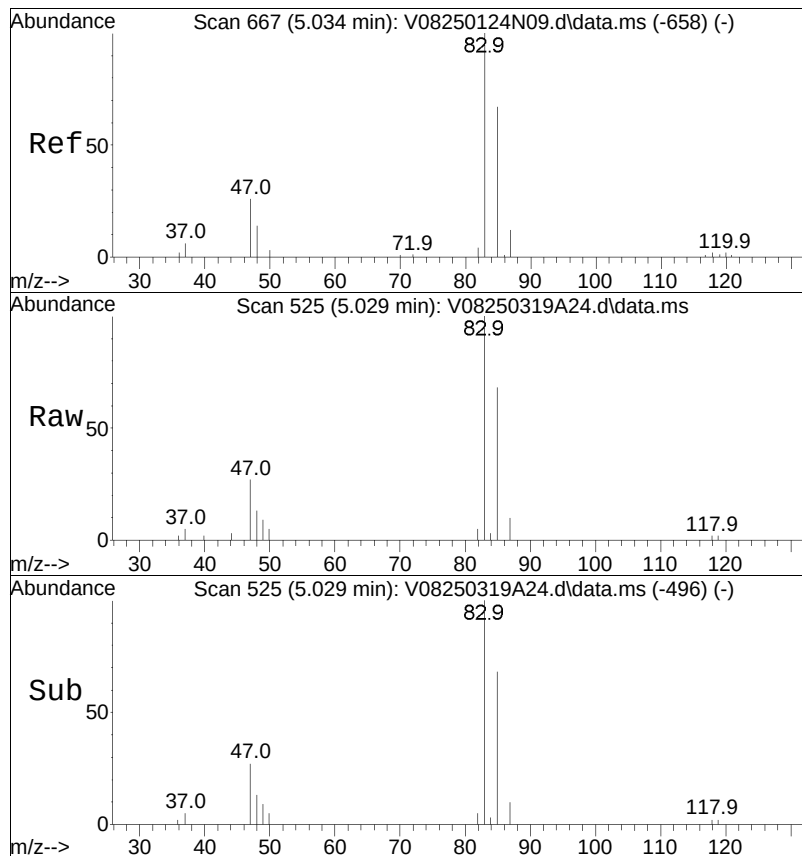
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A24.d
 Acq On : 19 Mar 2025 3:26 pm
 Operator : VOA108:MJV
 Sample : L2514654-04,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 20 10:51:03 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

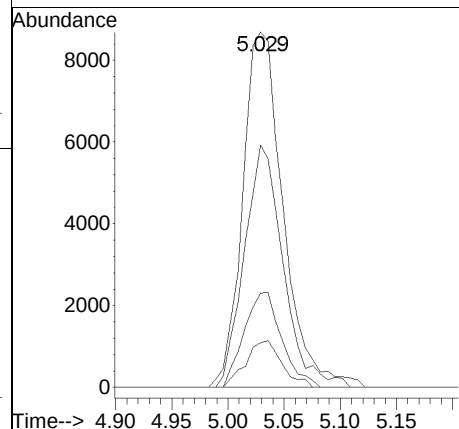
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

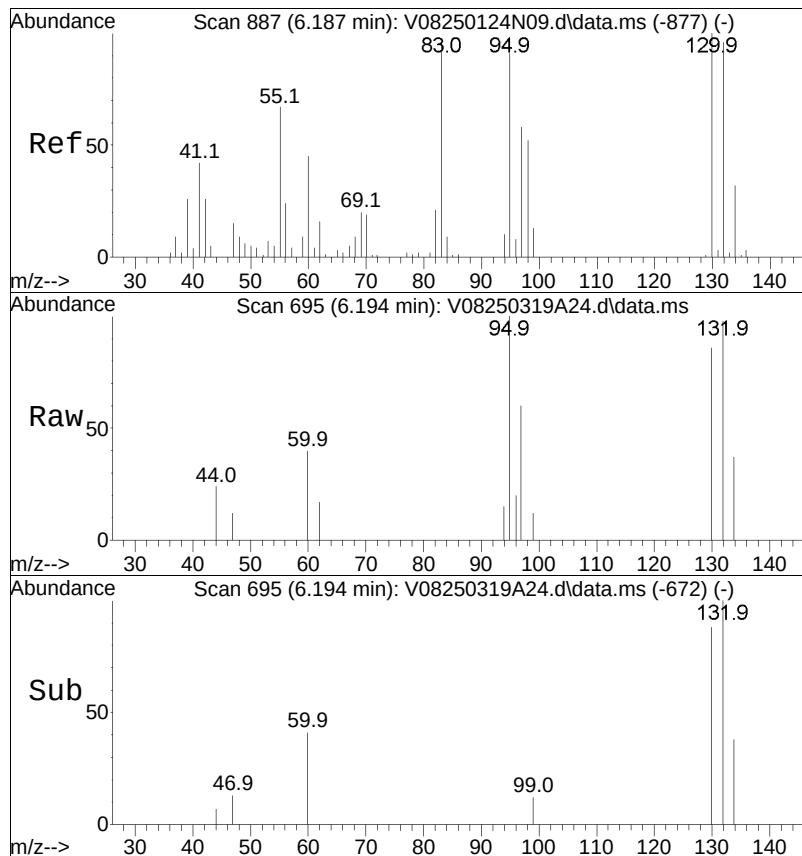




#32
 Chloroform
 Concen: 2.37 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A24.d
 Acq: 19 Mar 2025 3:26 pm

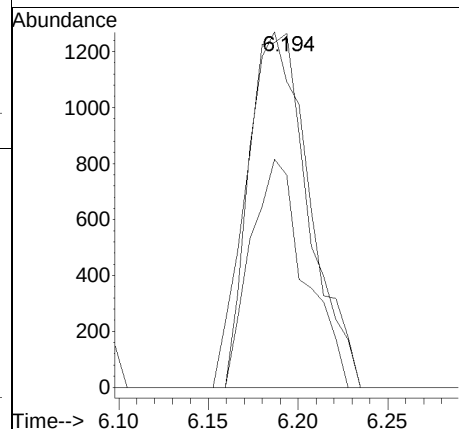
Tgt	Ion: 83	Resp:	21808
Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.5	86.1
47	24.9	19.0	39.4
48	11.8	9.9	20.5

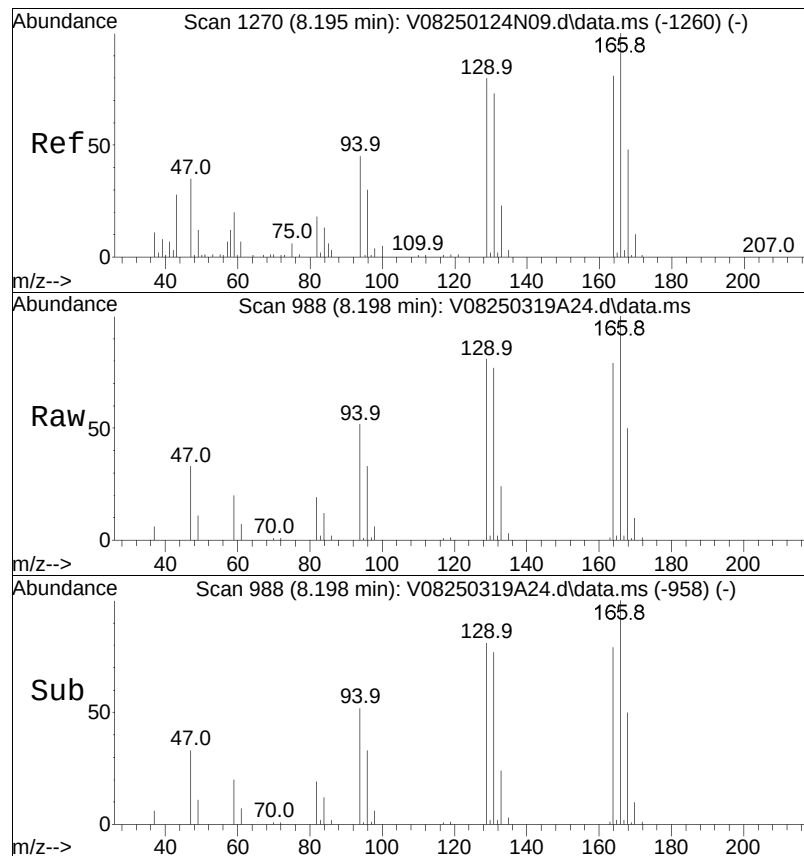




#48
 Trichloroethene
 Concen: 0.59 ug/L
 RT: 6.194 min Scan# 695
 Delta R.T. 0.007 min
 Lab File: V08250319A24.d
 Acq: 19 Mar 2025 3:26 pm

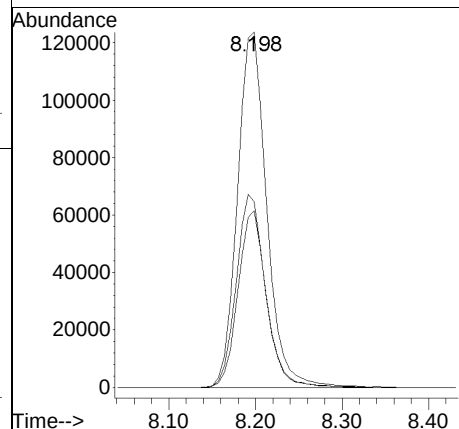
Tgt Ion:	95	Resp:	3081
Ion Ratio	Lower	Upper	
95	100		
97	56.2	55.5	83.3
130	96.0	76.6	115.0





#63
 Tetrachloroethene
 Concen: 59.93 ug/L
 RT: 8.198 min Scan# 988
 Delta R.T. 0.003 min
 Lab File: V08250319A24.d
 Acq: 19 Mar 2025 3:26 pm

Tgt	Ion:166	Resp:	290622
Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	54.0	38.4	78.4



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A24.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 3:26 pm	Instrument	: V0A 108
Sample	: L2514654-04,31,10,10,,A	Quant Date	: 3/20/2025 6:54 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A25.d
 Acq On : 19 Mar 2025 3:49 pm
 Operator : VOA108:MJV
 Sample : L2514654-05,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 20 06:54:09 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	196251	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	86.53%	
59) Chlorobenzene-d5	9.526	117	145413	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	86.25%	
79) 1,4-Dichlorobenzene-d4	12.226	152	69678	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	69.35%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.208	113	68737	10.768	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	107.68%	
43) 1,2-Dichloroethane-d4	5.728	65	63908	11.913	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	119.13%	
60) Toluene-d8	7.692	98	183996	10.175	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.75%	
83) 4-Bromofluorobenzene	11.019	95	58694	11.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	110.87%	
Target Compounds						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	4.769	96	188		N.D.	
32) Chloroform	5.029	83	21688	2.347	ug/L	97
34) Carbon tetrachloride	5.035	117	135		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.193	95	3152	0.604	ug/L	96
63) Tetrachloroethene	8.198	166	306085	65.676	ug/L	97

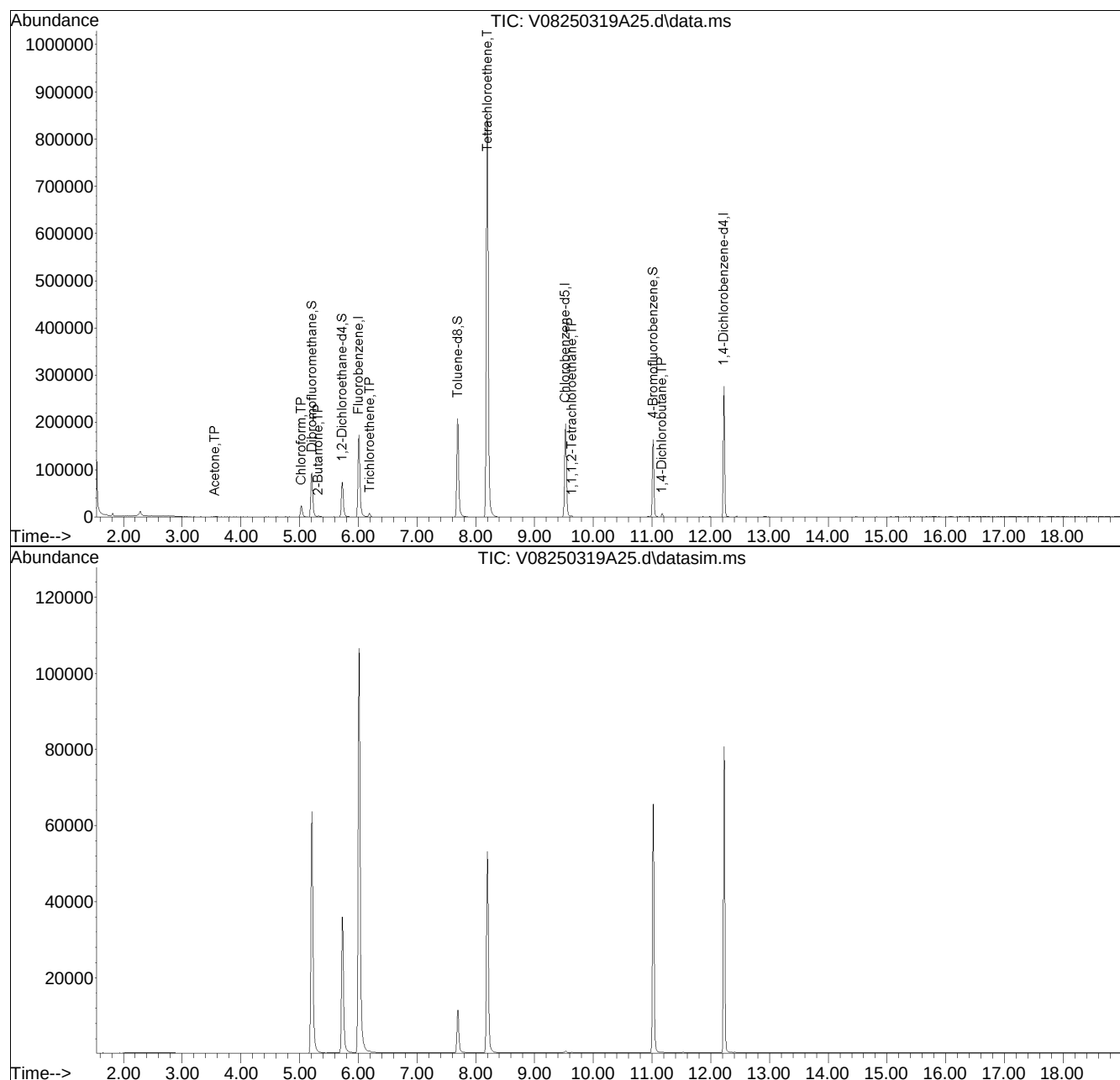
(#) = qualifier out of range (m) = manual integration (+) = signals summed

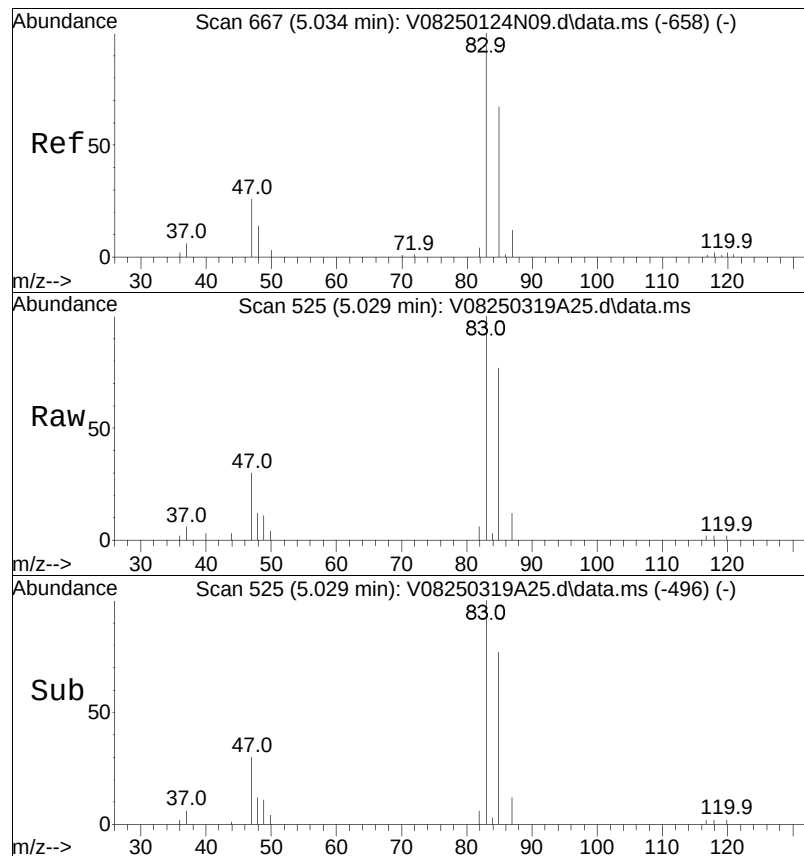
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A25.d
 Acq On : 19 Mar 2025 3:49 pm
 Operator : VOA108:MJV
 Sample : L2514654-05,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 20 06:54:09 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

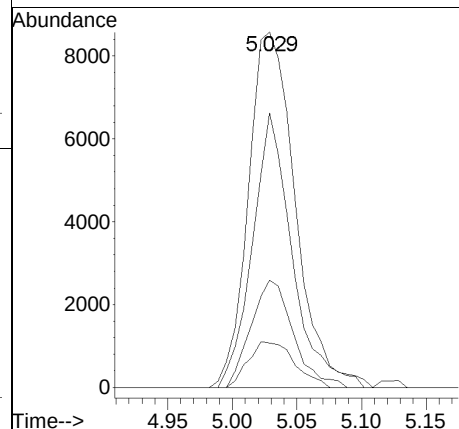
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

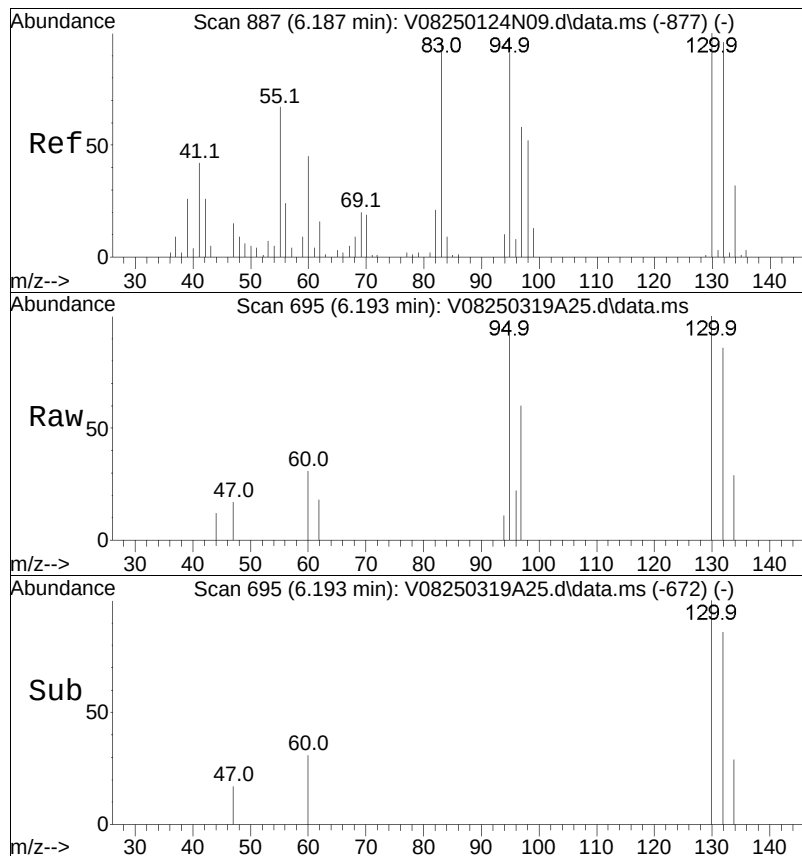




#32
 Chloroform
 Concen: 2.35 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A25.d
 Acq: 19 Mar 2025 3:49 pm

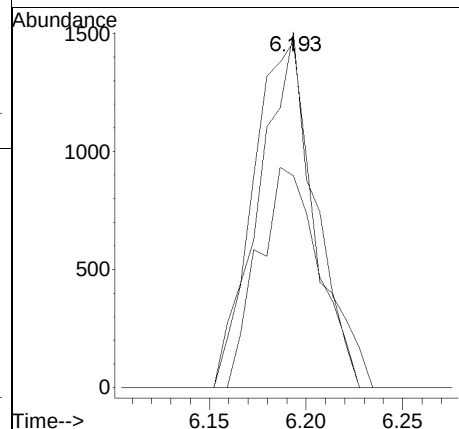
Tgt	Ion: 83	Resp:	21688
Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.5	86.1
47	27.1	19.0	39.4
48	12.6	9.9	20.5

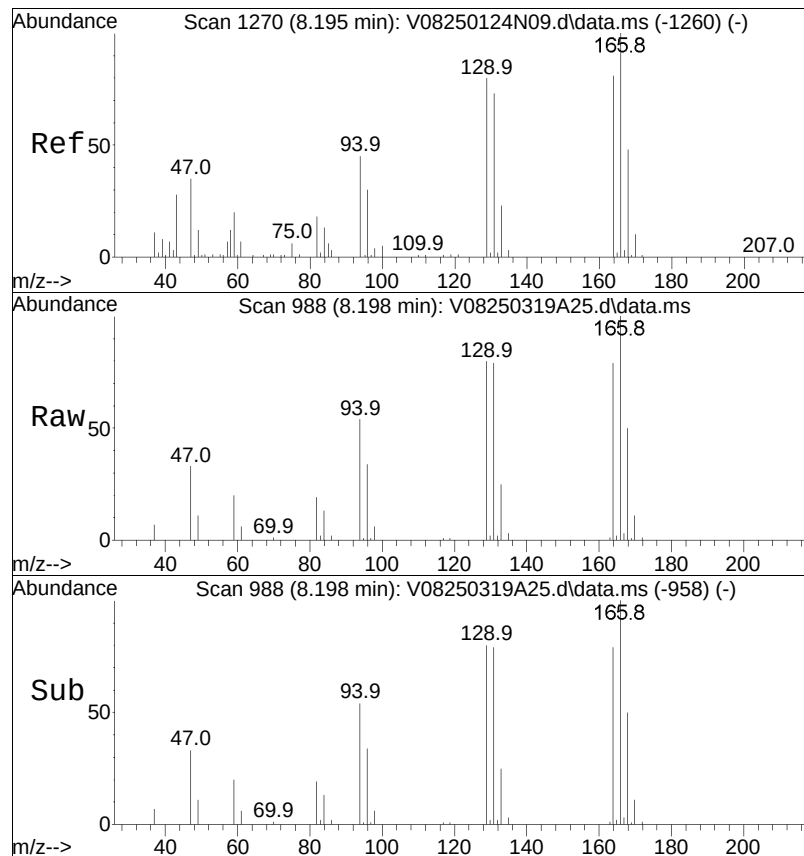




#48
 Trichloroethene
 Concen: 0.60 ug/L
 RT: 6.193 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: V08250319A25.d
 Acq: 19 Mar 2025 3:49 pm

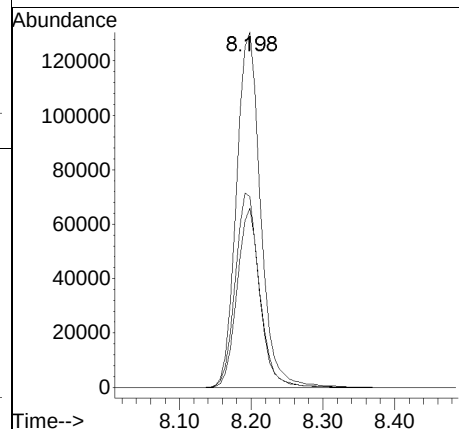
Tgt Ion:	95	Resp:	3152
Ion Ratio	Lower	Upper	
95	100		
97	64.5	55.5	83.3
130	98.9	76.6	115.0





#63
 Tetrachloroethene
 Concen: 65.68 ug/L
 RT: 8.198 min Scan# 988
 Delta R.T. 0.003 min
 Lab File: V08250319A25.d
 Acq: 19 Mar 2025 3:49 pm

Tgt	Ion:166	Resp:	306085
Ion	Ratio	Lower	Upper
166	100		
168	48.7	28.2	68.2
94	54.4	38.4	78.4



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A25.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 3:49 pm	Instrument	: V0A 108
Sample	: L2514654-05,31,10,10,,A	Quant Date	: 3/20/2025 6:54 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A26.d
 Acq On : 19 Mar 2025 4:11 pm
 Operator : VOA108:MJV
 Sample : L2514654-06,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 20 10:52:07 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	198172	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery =	87.38%		
59) Chlorobenzene-d5	9.526	117	153485	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery =	91.04%		
79) 1,4-Dichlorobenzene-d4	12.226	152	81154	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery =	80.77%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.208	113	70139	10.881	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.81%		
43) 1,2-Dichloroethane-d4	5.728	65	66516	12.279	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	122.79%		
60) Toluene-d8	7.692	98	191572	10.037	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.37%		
83) 4-Bromofluorobenzene	11.019	95	66387	10.767	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.67%		
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	4.769	96	1246	0.216	ug/L #	69
32) Chloroform	5.029	83	20659	2.214	ug/L	97
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	6.187	95	3554	0.675	ug/L	93
63) Tetrachloroethene	8.191	166	200399	40.738	ug/L	96

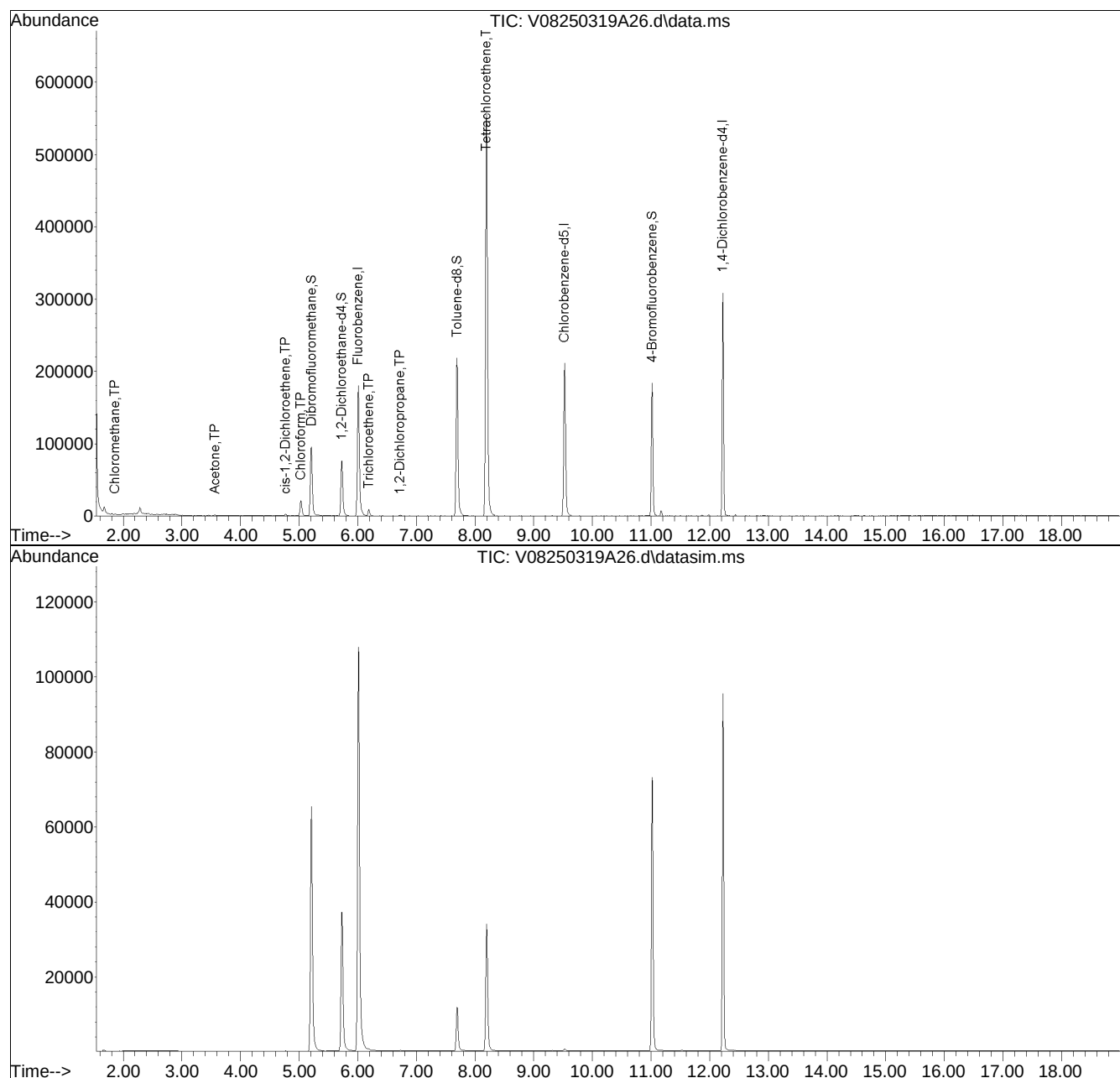
(#) = qualifier out of range (m) = manual integration (+) = signals summed

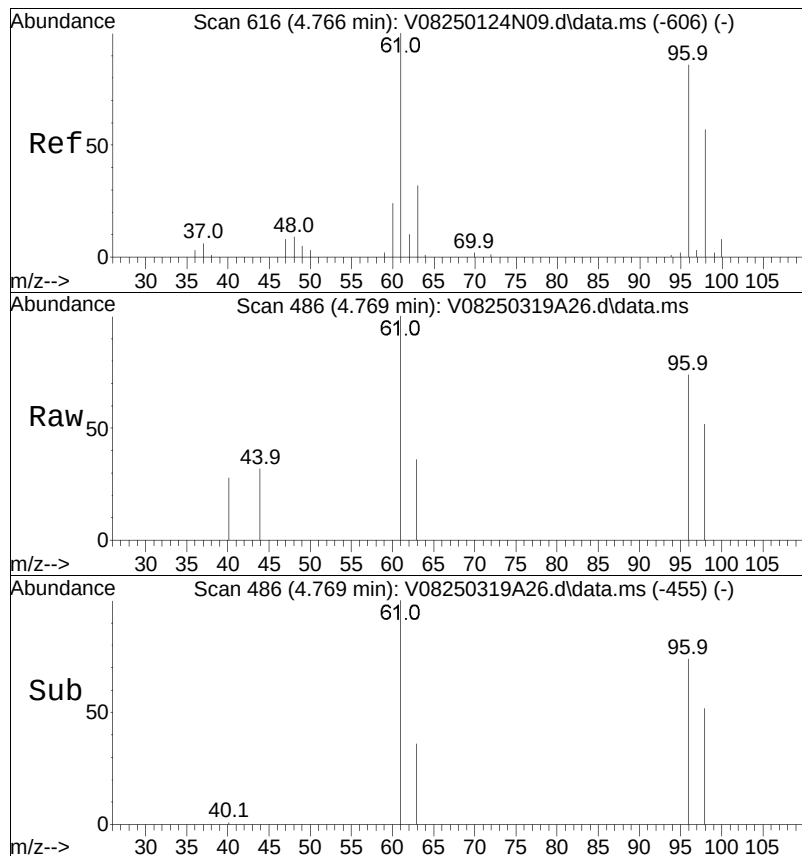
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A26.d
 Acq On : 19 Mar 2025 4:11 pm
 Operator : VOA108:MJV
 Sample : L2514654-06,31,10,10,,A
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 20 10:52:07 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

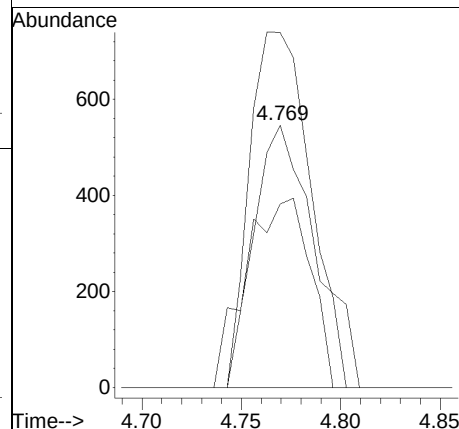
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

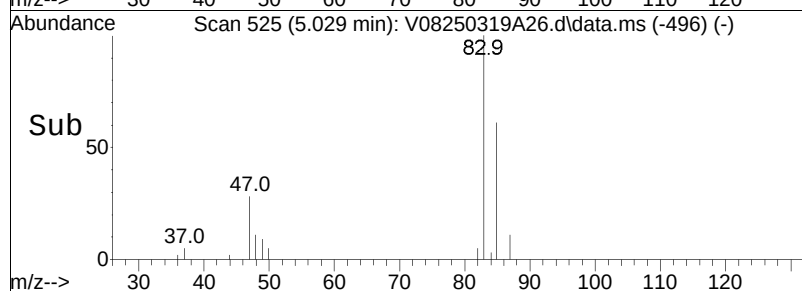
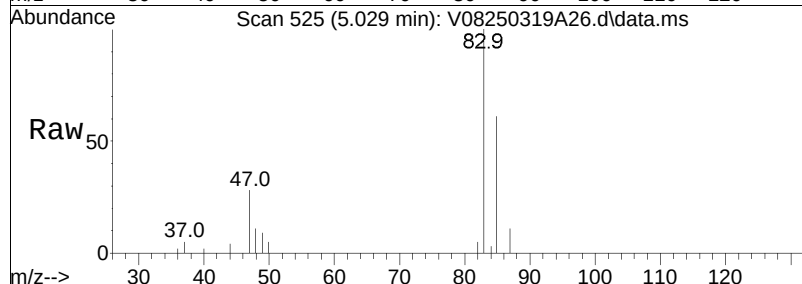
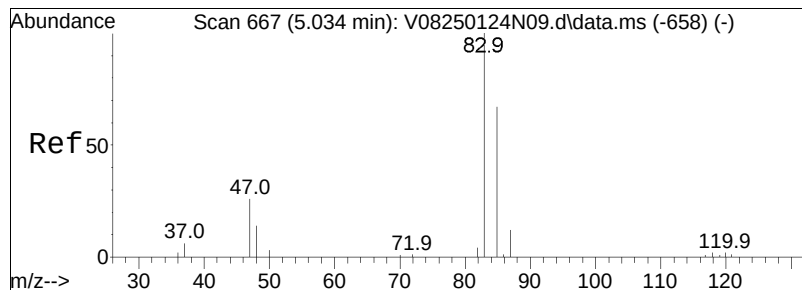




#28
 cis-1,2-Dichloroethene
 Concen: 0.22 ug/L
 RT: 4.769 min Scan# 486
 Delta R.T. 0.003 min
 Lab File: V08250319A26.d
 Acq: 19 Mar 2025 4:11 pm

Tgt Ion:	96	Resp:	1246
Ion Ratio	Lower	Upper	
96	100		
61	125.8	149.4	224.2#
98	66.3	53.4	80.2





#32

Chloroform

Concen: 2.21 ug/L

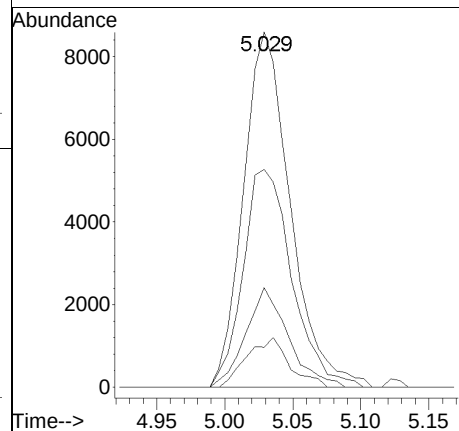
RT: 5.029 min Scan# 525

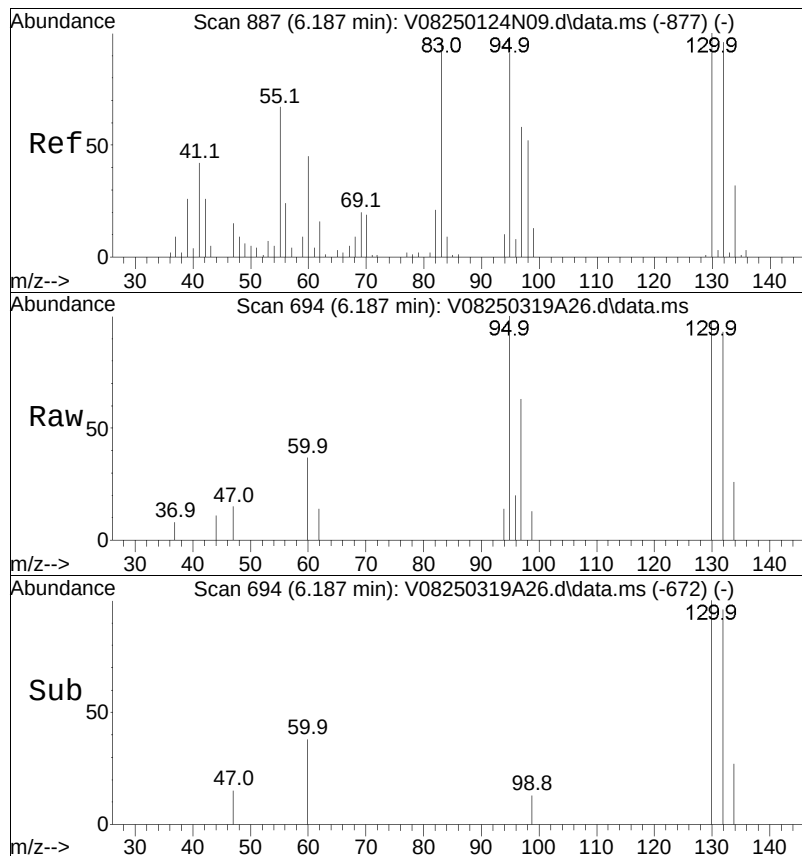
Delta R.T. -0.005 min

Lab File: V08250319A26.d

Acq: 19 Mar 2025 4:11 pm

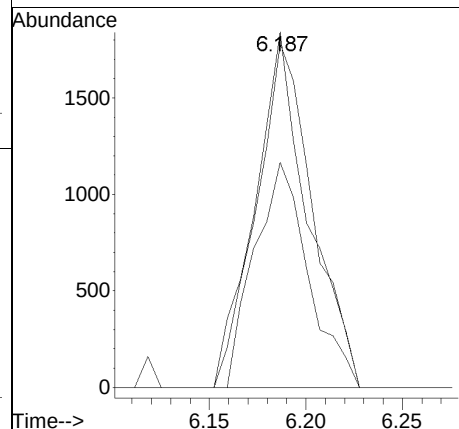
Tgt	Ion: 83	Resp:	20659
Ion	Ratio	Lower	Upper
83	100		
85	63.9	41.5	86.1
47	25.5	19.0	39.4
48	12.8	9.9	20.5

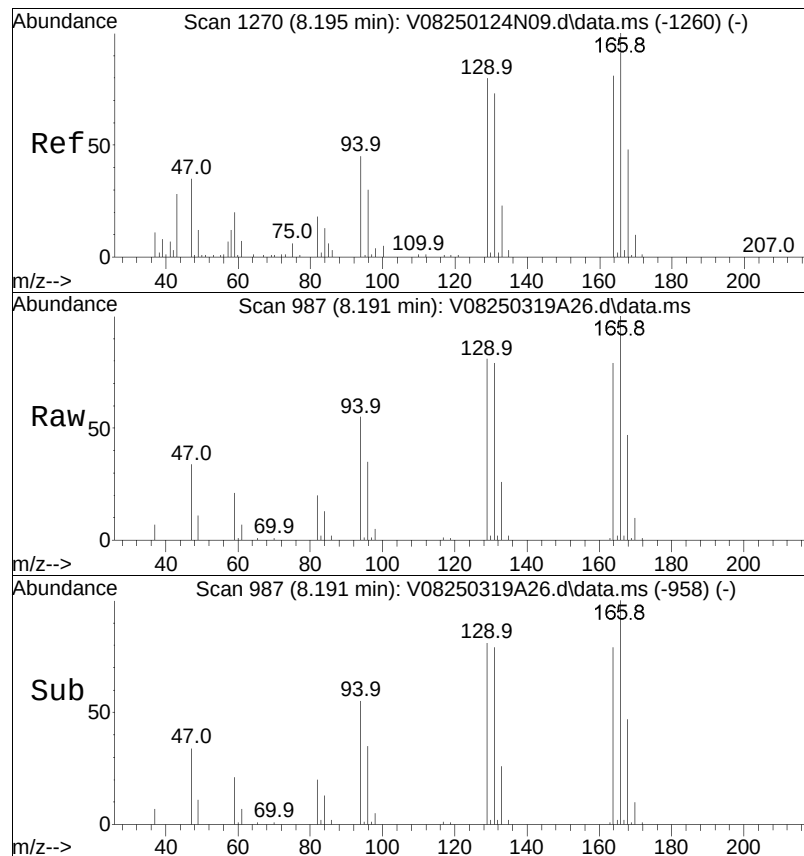




#48
 Trichloroethene
 Concen: 0.67 ug/L
 RT: 6.187 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: V08250319A26.d
 Acq: 19 Mar 2025 4:11 pm

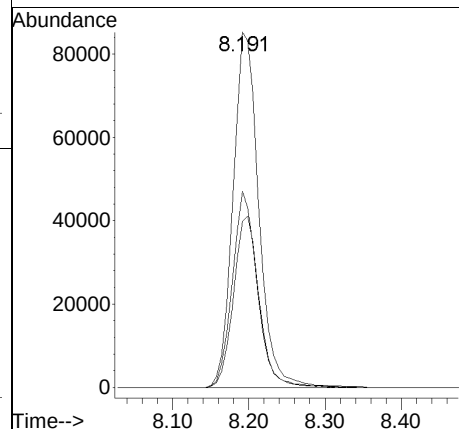
Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.6	55.5	83.3
130	102.3	76.6	115.0





#63
Tetrachloroethene
Concen: 40.74 ug/L
RT: 8.191 min Scan# 987
Delta R.T. -0.004 min
Lab File: V08250319A26.d
Acq: 19 Mar 2025 4:11 pm

Tgt	Ion:166	Resp:	200399
Ion	Ratio	Lower	Upper
166	100		
168	48.3	28.2	68.2
94	53.4	38.4	78.4



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A26.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 4:11 pm	Instrument	: V0A 108
Sample	: L2514654-06,31,10,10,,A	Quant Date	: 3/20/2025 6:54 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA108
Calibration dates : 01/24/25 23:49 01/25/25 03:32

Lab Number : L2514654
Project Number : 0210873-000-001-16
Ical Ref : ICAL21995

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
 L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.205	0.321	0.280	0.288	0.285	0.290	0.291	0.280	12.66
3) TP Chloromethane		0.288	0.349	0.307	0.295	0.294	0.306	0.309	0.307	6.59
4) TP Vinyl chloride	0.289	0.270	0.382	0.349	0.353	0.351	0.367	0.370	0.341	11.76
5) TP Bromomethane		0.251	0.316	0.303	0.313	0.311	0.317	0.335	0.307	8.54
6) TP Chloroethane		0.210	0.271	0.245	0.244	0.244	0.250	0.255	0.245	7.56
7) TP Trichlorofluor		0.524	0.772	0.700	0.732	0.719	0.743	0.747	0.705	11.79
8) TP Ethyl ether		0.168	0.179	0.165	0.172	0.174	0.179	0.182	0.174	3.74
10) TP 1,1-Dichloroet		0.160	0.248	0.217	0.226	0.237	0.249	0.263	0.229	14.93
11) TP Carbon disulfide		0.541	0.796	0.730	0.753	0.784	0.831	0.884	0.760	14.32
12) TP Freon-113		0.155	0.241	0.219	0.231	0.241	0.257	0.275	0.231	16.50
13) TP Iodomethane		0.215	0.313	0.300	0.321	0.346	0.372	0.389	0.322	17.73
14) TP Acrolein		0.022	0.025	0.021	0.021	0.022	0.023	0.025	0.023	7.48
15) TP Methylene chlo		0.234	0.278	0.244	0.243	0.250	0.258	0.272	0.254	6.31
17) TP Acetone			0.061	0.036	0.035	0.034	0.035	0.036	*L	0.9991
18) TP trans-1,2-Dich		0.189	0.262	0.242	0.257	0.263	0.273	0.295	0.254	12.94
19) TP Methyl acetate		0.154	0.111	0.093	0.094	0.097	0.102	0.110	0.109	19.40
20) TP Methyl tert butyl ether		0.512	0.560	0.511	0.563	0.598	0.613	0.647	0.572	8.90
21) TP tert-Butyl alc		0.008	0.008	0.008	0.008	0.008	0.009	0.010	0.008#	7.91
22) TP Diisopropyl ether		0.632	0.749	0.688	0.731	0.759	0.775	0.823	0.737	8.41
23) TP 1,1-Dichloroet		0.385	0.498	0.445	0.457	0.467	0.479	0.506	0.462	8.71
24) TP Halothane		0.152	0.217	0.190	0.208	0.213	0.221	0.239	0.206	13.45
25) TP Acrylonitrile		0.030	0.049	0.044	0.047	0.050	0.051	0.054	0.047	16.95
26) TP Ethyl tert-but		0.580	0.662	0.612	0.656	0.694	0.721	0.775	0.671	9.83
27) TP Vinyl acetate		0.505	0.491	0.449	0.479	0.513	0.534	0.574	0.506	7.94
28) TP cis-1,2-Dichlo		0.244	0.315	0.273	0.292	0.297	0.299	0.321	0.291	8.96
29) TP 2,2-Dichloropr		0.318	0.416	0.373	0.397	0.387	0.396	0.417	0.386	8.78
30) TP Bromochloromet		0.131	0.161	0.142	0.151	0.163	0.171	0.186	0.158	11.66
31) TP Cyclohexane		0.293	0.412	0.373	0.406	0.410	0.427	0.452	0.396	12.90
32) TP Chloroform		0.426	0.506	0.439	0.466	0.469	0.482	0.506	0.471	6.53
33) TP Ethyl acetate		0.179	0.165	0.138	0.148	0.155	0.158	0.165	0.158	8.17
34) TP Carbon tetrachloride	0.340	0.269	0.390	0.351	0.388	0.404	0.423	0.461	0.378	15.47
35) TP Tetrahydrofuran		0.053	0.051	0.037	0.041	0.043	0.042	0.045	0.044	12.96
36) S Dibromofluoromethane	0.313	0.315	0.318	0.308	0.319	0.330	0.341	0.358	0.325	5.21
37) TP 1,1,1-Trichlor		0.314	0.437	0.393	0.413	0.414	0.428	0.456	0.408	11.25
39) TP 2-Butanone		0.075	0.073	0.054	0.054	0.059	0.061	0.066	0.063	13.31



Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA108
Calibration dates : 01/24/25 23:49 01/25/25 03:32

Lab Number : L2514654
Project Number : 0210873-000-001-16
Ical Ref : ICAL21995

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
 L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.225	0.329	0.306	0.327	0.336	0.347	0.370	0.320	14.44
41) TP Benzene	0.852	0.819	1.014	0.906	0.951	0.982	1.015	1.096	0.954	9.65
42) TP Tertiary-Amyl Methyl Ether		0.558	0.591	0.558	0.570	0.593	0.609	0.643	0.589	5.20
43) S 1,2-Dichloroethane-d4	0.258	0.259	0.268	0.279	0.265	0.277	0.287	0.294	0.273	4.86
44) TP 1,2-Dichloroethane	0.259	0.278	0.304	0.286	0.290	0.293	0.301	0.318	0.291	6.11
47) TP Methyl cyclohe			0.381	0.351	0.381	0.409	0.431	0.479	0.405	11.13
48) TP Trichloroethene	0.223	0.211	0.261	0.250	0.262	0.280	0.299	0.340	0.266	15.49
50) TP Dibromomethane		0.136	0.157	0.143	0.147	0.150	0.156	0.167	0.151	6.93
51) TP 1,2-Dichloropr		0.214	0.248	0.238	0.245	0.251	0.258	0.273	0.247	7.30
53) TP 2-Chloroethyl		0.098	0.119	0.117	0.119	0.116	0.119	0.121	0.116	7.04
54) TP Bromodichlorom		0.298	0.344	0.329	0.339	0.354	0.367	0.390	0.346	8.42
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	11.94
58) TP cis-1,3-Dichloropropene	0.350	0.323	0.388	0.365	0.384	0.402	0.415	0.441	0.383	9.74
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.334	1.304	1.283	1.309	1.243	1.189	1.175	1.111	1.244	6.30
61) TP Toluene		0.625	0.783	0.740	0.703	0.713	0.746	0.771	0.726	7.27
62) TP 4-Methyl-2-pen		0.050	0.063	0.065	0.064	0.064	0.064	0.061	0.061	8.22
63) TP Tetrachloroethene	0.309	0.253	0.340	0.322	0.315	0.321	0.341	0.362	0.321	10.08
65) TP trans-1,3-Dichloropropene	0.386	0.372	0.406	0.392	0.385	0.401	0.425	0.432	0.400	5.12
67) TP Ethyl methacry		0.232	0.248	0.273	0.268	0.267	0.273	0.258	0.260	5.82
68) TP 1,1,2-Trichlor		0.175	0.191	0.190	0.185	0.189	0.201	0.206	0.191#	5.37
69) TP Chlorodibromom		0.258	0.296	0.294	0.300	0.320	0.343	0.354	0.309	10.47
70) TP 1,3-Dichloropr		0.405	0.423	0.396	0.377	0.378	0.396	0.394	0.396	4.02
71) TP 1,2-Dibromoethane		0.198	0.240	0.224	0.207	0.211	0.221	0.221	0.218	6.25
72) TP 2-Hexanone		0.096	0.116	0.116	0.114	0.112	0.113	0.102	0.110	6.93
73) TP Chlorobenzene		0.791	0.957	0.910	0.882	0.904	0.964	1.008	0.917	7.63
74) TP Ethylbenzene		1.146	1.457	1.434	1.396	1.457	1.549	1.604	1.435	10.18
75) TP 1,1,1,2-Tetrac		0.259	0.293	0.301	0.302	0.324	0.349	0.374	0.315	12.12
76) TP p/m Xylene		0.441	0.565	0.551	0.559	0.626	0.704	0.771	0.603	18.08
77) TP o Xylene		0.438	0.561	0.547	0.552	0.626	0.707	0.770	0.600	18.49
78) TP Styrene		0.762	0.929	0.920	0.945	1.094	1.230	1.272	1.022	18.02
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.240	0.303	0.313	0.324	0.353	0.400	0.428	0.337	18.69
82) TP Isopropylbenzene		1.984	2.756	2.731	2.613	2.669	2.912	3.017	2.669	12.46
83) S 4-Bromofluorobenzene	0.828	0.765	0.800	0.814	0.780	0.733	0.702	0.657	0.760	7.75
84) TP Bromobenzene		0.606	0.745	0.730	0.686	0.686	0.744	0.766	0.709	7.71



Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA108
 Calibration dates : 01/24/25 23:49 01/25/25 03:32

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Ical Ref : ICAL21995

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
 L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	2.497	3.304	3.154	3.069	3.185	3.489	3.580	3.183	11.11	
86) TP 1,4-Dichlorobu	0.600	0.686	0.639	0.584	0.581	0.617	0.619	0.618	5.87	
87) TP 1,1,2,2-Tetrachloroethane	0.529	0.459	0.498	0.498	0.472	0.459	0.478	0.465	0.482	5.06
88) TP 4-Ethyltoluene	2.058	2.748	2.673	2.582	2.677	2.926	3.069	2.676	11.95	
89) TP 2-Chlorotoluene	1.549	1.927	1.871	1.787	1.757	1.901	1.979	1.824	7.89	
90) TP 1,3,5-Trimethy	1.770	2.369	2.317	2.264	2.362	2.627	2.815	2.361	13.80	
91) TP 1,2,3-Trichlor	0.397	0.429	0.412	0.372	0.385	0.417	0.432	0.406	5.54	
92) TP trans-1,4-Dich	0.113	0.131	0.120	0.112	0.113	0.120	0.118	0.118	5.51	
93) TP 4-Chlorotoluene	1.617	2.017	1.893	1.830	1.848	2.004	2.086	1.899	8.24	
94) TP tert-Butylbenzene	1.510	2.054	1.994	1.906	1.975	2.161	2.313	1.988	12.59	
97) TP 1,2,4-Trimethy	1.731	2.276	2.250	2.202	2.307	2.521	2.670	2.280	12.89	
98) TP sec-Butylbenzene	2.197	2.972	2.877	2.781	2.852	3.097	3.221	2.857	11.48	
99) TP p-Isopropyltol	1.975	2.657	2.559	2.485	2.621	2.897	3.081	2.611	13.34	
100) TP 1,3-Dichlorobe	1.203	1.419	1.398	1.336	1.380	1.510	1.623	1.410	9.36	
101) TP 1,4-Dichlorobe	1.379	1.498	1.424	1.358	1.410	1.539	1.644	1.464	6.94	
102) TP p-Diethylbenzene	1.175	1.537	1.515	1.510	1.616	1.799	1.966	1.588	15.69	
103) TP n-Butylbenzene	1.653	2.286	2.185	2.124	2.166	2.324	2.444	2.169	11.62	
104) TP 1,2-Dichlorobe	1.184	1.331	1.302	1.236	1.264	1.383	1.466	1.310	7.20	
105) TP 1,2,4,5-Tetram	1.814	2.328	2.361	2.362	2.635	3.002	3.220	2.532	18.52	
106) TP 1,2-Dibromo-3-	0.070	0.072	0.070	0.065	0.064	0.069	0.069	0.069	4.06	
107) TP 1,3,5-Trichlor	0.800	1.061	1.012	0.973	1.031	1.149	1.271	1.042	14.07	
108) TP Hexachlorobuta	0.297	0.415	0.395	0.386	0.390	0.436	0.488	0.401	14.46	
109) TP 1,2,4-Trichlor	0.832	0.910	0.895	0.858	0.920	1.031	1.141	0.941	11.52	
110) TP Naphthalene	1.766	1.831	1.787	1.659	1.679	1.815	1.883	1.774	4.55	
111) TP 1,2,3-Trichlor	0.732	0.817	0.804	0.742	0.778	0.865	0.928	0.809	8.56	



Response Factor Report VOA 108

Method Path : K:\VOA108\2025\250124NICAL\
Method File : V108_250124N_v2_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Feb 17 12:19:31 2025
Response Via : Initial Calibration

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
-----ISTD-----											
1) I	Fluorobenzene										
2) TP	Dichlorodifluo...	0.205	0.321	0.280	0.288	0.285	0.290	0.291	0.280	12.66	
3) TP	Chloromethane	0.288	0.349	0.307	0.295	0.294	0.306	0.309	0.307	6.59	
4) TP	Vinyl chloride	0.289	0.270	0.382	0.349	0.353	0.351	0.367	0.370	0.341	11.76
5) TP	Bromomethane	0.251	0.316	0.303	0.313	0.311	0.317	0.335	0.307	8.54	
6) TP	Chloroethane	0.210	0.271	0.245	0.244	0.244	0.250	0.255	0.245	7.56	
7) TP	Trichlorofluor...	0.524	0.772	0.700	0.732	0.719	0.743	0.747	0.705	11.79	
8) TP	Ethyl ether	0.168	0.179	0.165	0.172	0.174	0.179	0.182	0.174	3.74	
10) TP	1,1-Dichloroet...	0.160	0.248	0.217	0.226	0.237	0.249	0.263	0.229	14.93	
11) TP	Carbon disulfide	0.541	0.796	0.730	0.753	0.784	0.831	0.884	0.760	14.32	
12) TP	Freon-113	0.155	0.241	0.219	0.231	0.241	0.257	0.275	0.231	16.50	
13) TP	Iodomethane	0.215	0.313	0.300	0.321	0.346	0.372	0.389	0.322	17.73	
14) TP	Acrolein	0.022	0.025	0.021	0.021	0.022	0.023	0.025	0.023	7.48	
15) TP	Methylene chlo...	0.234	0.278	0.244	0.243	0.250	0.258	0.272	0.254	6.31	
17) TP	Acetone		0.061	0.036	0.035	0.034	0.035	0.036	*L	0.9991	
18) TP	trans-1,2-Dich...	0.189	0.262	0.242	0.257	0.263	0.273	0.295	0.254	12.94	
19) TP	Methyl acetate	0.154	0.111	0.093	0.094	0.097	0.102	0.110	0.109	19.40	
20) TP	Methyl tert-bu...	0.512	0.560	0.511	0.563	0.598	0.613	0.647	0.572	8.90	
21) TP	tert-Butyl alc...	0.008	0.008	0.008	0.008	0.008	0.009	0.010	0.008#	7.91	
22) TP	Diisopropyl ether	0.632	0.749	0.688	0.731	0.759	0.775	0.823	0.737	8.41	
23) TP	1,1-Dichloroet...	0.385	0.498	0.445	0.457	0.467	0.479	0.506	0.462	8.71	
24) TP	Halothane	0.152	0.217	0.190	0.208	0.213	0.221	0.239	0.206	13.45	
25) TP	Acrylonitrile	0.030	0.049	0.044	0.047	0.050	0.051	0.054	0.047	16.95	
26) TP	Ethyl tert-but...	0.580	0.662	0.612	0.656	0.694	0.721	0.775	0.671	9.83	
27) TP	Vinyl acetate	0.505	0.491	0.449	0.479	0.513	0.534	0.574	0.506	7.94	
28) TP	cis-1,2-Dichlo...	0.244	0.315	0.273	0.292	0.297	0.299	0.321	0.291	8.96	
29) TP	2,2-Dichloropr...	0.318	0.416	0.373	0.397	0.387	0.396	0.417	0.386	8.78	
30) TP	Bromochloromet...	0.131	0.161	0.142	0.151	0.163	0.171	0.186	0.158	11.66	
31) TP	Cyclohexane	0.293	0.412	0.373	0.406	0.410	0.427	0.452	0.396	12.90	
32) TP	Chloroform	0.426	0.506	0.439	0.466	0.469	0.482	0.506	0.471	6.53	
33) TP	Ethyl acetate	0.179	0.165	0.138	0.148	0.155	0.158	0.165	0.158	8.17	

Response Factor Report VOA 108

Method Path : K:\VOA108\2025\250124NICAL\
 Method File : V108_250124N_v2_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Feb 17 12:19:31 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
 L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP Carbon tetrach...	0.340	0.269	0.390	0.351	0.388	0.404	0.423	0.461	0.378	15.47
35)	TP Tetrahydrofuran	0.053	0.051	0.037	0.041	0.043	0.042	0.045	0.044		12.96
36)	S Dibromofluorom...	0.313	0.315	0.318	0.308	0.319	0.330	0.341	0.358	0.325	5.21
37)	TP 1,1,1-Trichlor...	0.314	0.437	0.393	0.413	0.414	0.428	0.456	0.408		11.25
39)	TP 2-Butanone	0.075	0.073	0.054	0.054	0.059	0.061	0.066	0.063		13.31
40)	TP 1,1-Dichloropr...	0.225	0.329	0.306	0.327	0.336	0.347	0.370	0.320		14.44
41)	TP Benzene	0.852	0.819	1.014	0.906	0.951	0.982	1.015	1.096	0.954	9.65
42)	TP tert-Amyl meth...	0.558	0.591	0.558	0.570	0.593	0.609	0.643	0.589		5.20
43)	S 1,2-Dichloroet...	0.258	0.259	0.268	0.279	0.265	0.277	0.287	0.294	0.273	4.86
44)	TP 1,2-Dichloroet...	0.259	0.278	0.304	0.286	0.290	0.293	0.301	0.318	0.291	6.11
47)	TP Methyl cyclohe...		0.381	0.351	0.381	0.409	0.431	0.479	0.405		11.13
48)	TP Trichloroethene	0.223	0.211	0.261	0.250	0.262	0.280	0.299	0.340	0.266	15.49
50)	TP Dibromomethane	0.136	0.157	0.143	0.147	0.150	0.156	0.167	0.151		6.93
51)	TP 1,2-Dichloropr...	0.214	0.248	0.238	0.245	0.251	0.258	0.273	0.247		7.30
53)	TP 2-Chloroethyl ...	0.098	0.119	0.117	0.119	0.116	0.119	0.121	0.116		7.04
54)	TP Bromodichlorom...	0.298	0.344	0.329	0.339	0.354	0.367	0.390	0.346		8.42
57)	TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#		11.94
58)	TP cis-1,3-Dichlo...	0.350	0.323	0.388	0.365	0.384	0.402	0.415	0.441	0.383	9.74
59)	I Chlorobenzene-d5	-----ISTD-----									
60)	S Toluene-d8	1.334	1.304	1.283	1.309	1.243	1.189	1.175	1.111	1.244	6.30
61)	TP Toluene	0.625	0.783	0.740	0.703	0.713	0.746	0.771	0.726		7.27
62)	TP 4-Methyl-2-pen...	0.050	0.063	0.065	0.064	0.064	0.064	0.061	0.061		8.22
63)	TP Tetrachloroethene	0.309	0.253	0.340	0.322	0.315	0.321	0.341	0.362	0.321	10.08
65)	TP trans-1,3-Dich...	0.386	0.372	0.406	0.392	0.385	0.401	0.425	0.432	0.400	5.12
67)	TP Ethyl methacry...	0.232	0.248	0.273	0.268	0.267	0.273	0.258	0.260		5.82
68)	TP 1,1,2-Trichlor...	0.175	0.191	0.190	0.185	0.189	0.201	0.206	0.191#		5.37
69)	TP Chlorodibromom...	0.258	0.296	0.294	0.300	0.320	0.343	0.354	0.309		10.47
70)	TP 1,3-Dichloropr...	0.405	0.423	0.396	0.377	0.378	0.396	0.394	0.396		4.02
71)	TP 1,2-Dibromoethane	0.198	0.240	0.224	0.207	0.211	0.221	0.221	0.218		6.25
72)	TP 2-Hexanone	0.096	0.116	0.116	0.114	0.112	0.113	0.102	0.110		6.93
73)	TP Chlorobenzene	0.791	0.957	0.910	0.882	0.904	0.964	1.008	0.917		7.63

Response Factor Report VOA 108

Method Path : K:\VOA108\2025\250124NICAL\
 Method File : V108_250124N_v2_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Feb 17 12:19:31 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
 L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP Ethylbenzene	1.146	1.457	1.434	1.396	1.457	1.549	1.604	1.435	10.18	
75)	TP 1,1,1,2-Tetrac...	0.259	0.293	0.301	0.302	0.324	0.349	0.374	0.315	12.12	
76)	TP p/m Xylene	0.441	0.565	0.551	0.559	0.626	0.704	0.771	0.603	18.08	
77)	TP o Xylene	0.438	0.561	0.547	0.552	0.626	0.707	0.770	0.600	18.49	
78)	TP Styrene	0.762	0.929	0.920	0.945	1.094	1.230	1.272	1.022	18.02	
79)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80)	TP Bromoform	0.240	0.303	0.313	0.324	0.353	0.400	0.428	0.337	18.69	
82)	TP Isopropylbenzene	1.984	2.756	2.731	2.613	2.669	2.912	3.017	2.669	12.46	
83)	S 4-Bromofluorob...	0.828	0.765	0.800	0.814	0.780	0.733	0.702	0.760	7.75	
84)	TP Bromobenzene	0.606	0.745	0.730	0.686	0.686	0.744	0.766	0.709	7.71	
85)	TP n-Propylbenzene	2.497	3.304	3.154	3.069	3.185	3.489	3.580	3.183	11.11	
86)	TP 1,4-Dichlorobu...	0.600	0.686	0.639	0.584	0.581	0.617	0.619	0.618	5.87	
87)	TP 1,1,2,2-Tetrac...	0.529	0.459	0.498	0.472	0.459	0.478	0.465	0.482	5.06	
88)	TP 4-Ethyltoluene	2.058	2.748	2.673	2.582	2.677	2.926	3.069	2.676	11.95	
89)	TP 2-Chlorotoluene	1.549	1.927	1.871	1.787	1.757	1.901	1.979	1.824	7.89	
90)	TP 1,3,5-Trimethy...	1.770	2.369	2.317	2.264	2.362	2.627	2.815	2.361	13.80	
91)	TP 1,2,3-Trichlor...	0.397	0.429	0.412	0.372	0.385	0.417	0.432	0.406	5.54	
92)	TP trans-1,4-Dich...	0.113	0.131	0.120	0.112	0.113	0.120	0.118	0.118	5.51	
93)	TP 4-Chlorotoluene	1.617	2.017	1.893	1.830	1.848	2.004	2.086	1.899	8.24	
94)	TP tert-Butylbenzene	1.510	2.054	1.994	1.906	1.975	2.161	2.313	1.988	12.59	
97)	TP 1,2,4-Trimethy...	1.731	2.276	2.250	2.202	2.307	2.521	2.670	2.280	12.89	
98)	TP sec-Butylbenzene	2.197	2.972	2.877	2.781	2.852	3.097	3.221	2.857	11.48	
99)	TP p-Isopropyltol...	1.975	2.657	2.559	2.485	2.621	2.897	3.081	2.611	13.34	
100)	TP 1,3-Dichlorobe...	1.203	1.419	1.398	1.336	1.380	1.510	1.623	1.410	9.36	
101)	TP 1,4-Dichlorobe...	1.379	1.498	1.424	1.358	1.410	1.539	1.644	1.464	6.94	
102)	TP p-Diethylbenzene	1.175	1.537	1.515	1.510	1.616	1.799	1.966	1.588	15.69	
103)	TP n-Butylbenzene	1.653	2.286	2.185	2.124	2.166	2.324	2.444	2.169	11.62	
104)	TP 1,2-Dichlorobe...	1.184	1.331	1.302	1.236	1.264	1.383	1.466	1.310	7.20	
105)	TP 1,2,4,5-Tetram...	1.814	2.328	2.361	2.362	2.635	3.002	3.220	2.532	18.52	
106)	TP 1,2-Dibromo-3-...	0.070	0.072	0.070	0.065	0.064	0.069	0.069	0.069	4.06	
107)	TP 1,3,5-Trichlor...	0.800	1.061	1.012	0.973	1.031	1.149	1.271	1.042	14.07	

Response Factor Report VOA 108

Method Path : K:\VOA108\2025\250124NICAL\
Method File : V108_250124N_v2_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Feb 17 12:19:31 2025
Response Via : Initial Calibration

Calibration Files

L11 =V08250124N03.d L1 =V08250124N05.d L2 =V08250124N07.d L3 =V08250124N09.d L4 =V08250124N10.d
L6 =V08250124N11.d L8 =V08250124N12.d L10 =V08250124N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) TP	Hexachlorobuta...	0.297	0.415	0.395	0.386	0.390	0.436	0.488	0.401	14.46	
109) TP	1,2,4-Trichlor...	0.832	0.910	0.895	0.858	0.920	1.031	1.141	0.941	11.52	
110) TP	Naphthalene	1.766	1.831	1.787	1.659	1.679	1.815	1.883	1.774	4.55	
111) TP	1,2,3-Trichlor...	0.732	0.817	0.804	0.742	0.778	0.865	0.928	0.809	8.56	

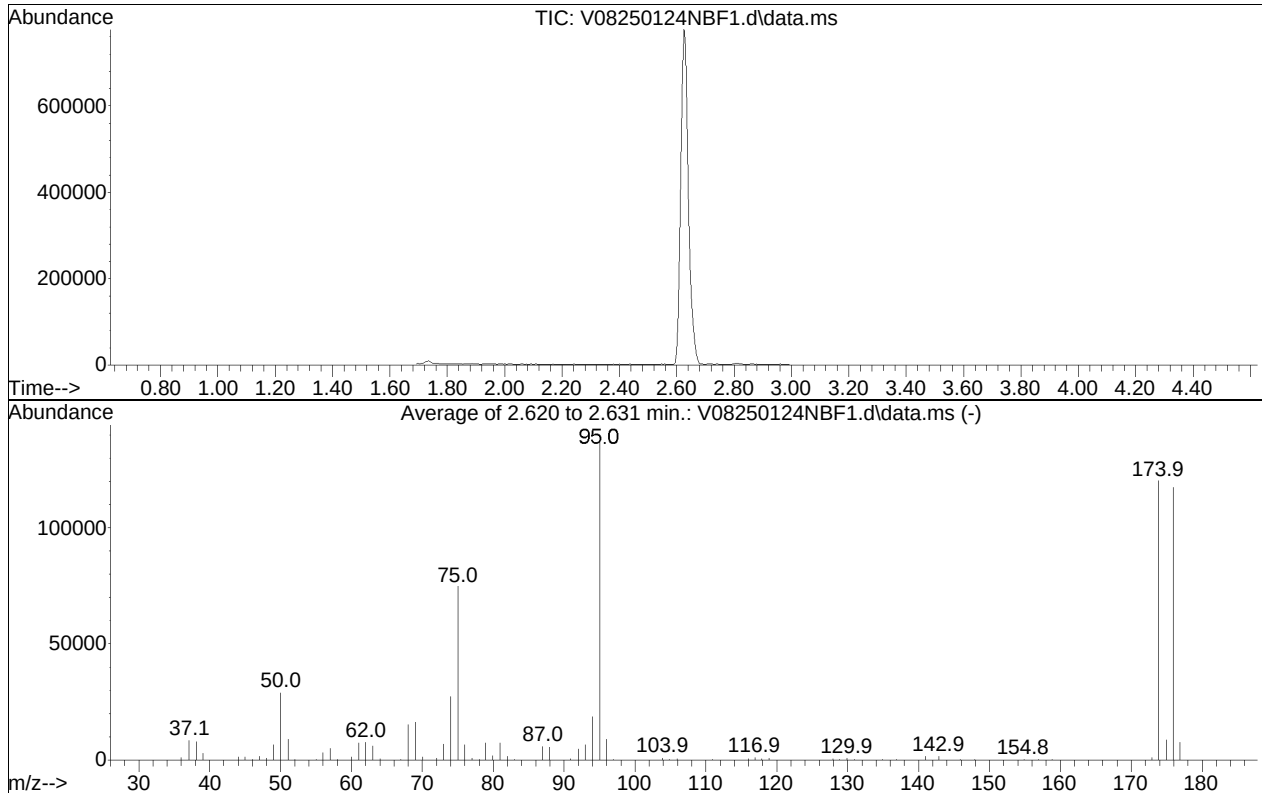
(#) = Out of Range

BFB

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124NBF1.d
 Acq On : 24 Jan 2025 10:39 pm
 Operator : VOA108:TMS
 Sample : WG2031003-1
 Misc : WG2031003
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Feb 17 12:14:12 2025



AutoFind: Scans 178, 179, 180; Background Corrected with Scan 169

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	29064	PASS
75	95	30	60	54.4	74789	PASS
95	95	100	100	100.0	137472	PASS
96	95	5	9	6.5	8922	PASS
173	174	0.00	2	0.9	1106	PASS
174	95	50	100	87.6	120357	PASS
175	174	5	9	7.3	8793	PASS
176	174	95	101	97.6	117429	PASS
177	176	5	9	6.5	7615	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N03.d
 Acq On : 24 Jan 2025 11:49 pm
 Operator : VOA108:PID
 Sample : I8260STD0.19PPB
 Misc : WG2031003,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 12:20:20 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-L11_NJnew - L11 new NJ

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

Internal Standards						
1) Fluorobenzene	6.009	96	374289	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	109.50%	
59) Chlorobenzene-d5	9.527	117	278197	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	104.20%	
79) 1,4-Dichlorobenzene-d4	12.227	152	132091	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	98.21%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	117015	9.612	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.12%	
43) 1,2-Dichloroethane-d4	5.726	65	96468	9.429	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.29%	
60) Toluene-d8	7.692	98	371167	10.729	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	107.29%	
83) 4-Bromofluorobenzene	11.016	95	109338	10.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.95%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.925	62	2054	0.161	ug/L	86
34) Carbon tetrachloride	5.165	117	2418	0.171	ug/L #	81
41) Benzene	5.595	78	6057	0.170	ug/L #	79
44) 1,2-Dichloroethane	5.794	62	1841M2	0.169	ug/L	
48) Trichloroethene	6.187	95	1586	0.159	ug/L	90
58) cis-1,3-Dichloropropene	7.493	75	2488	0.173	ug/L	98
63) Tetrachloroethene	8.195	166	1633M2	0.183	ug/L	
65) trans-1,3-Dichloropropene	8.237	75	2039	0.183	ug/L #	56
87) 1,1,2,2-Tetrachloroethane	11.257	83	1327M2	0.208	ug/L	

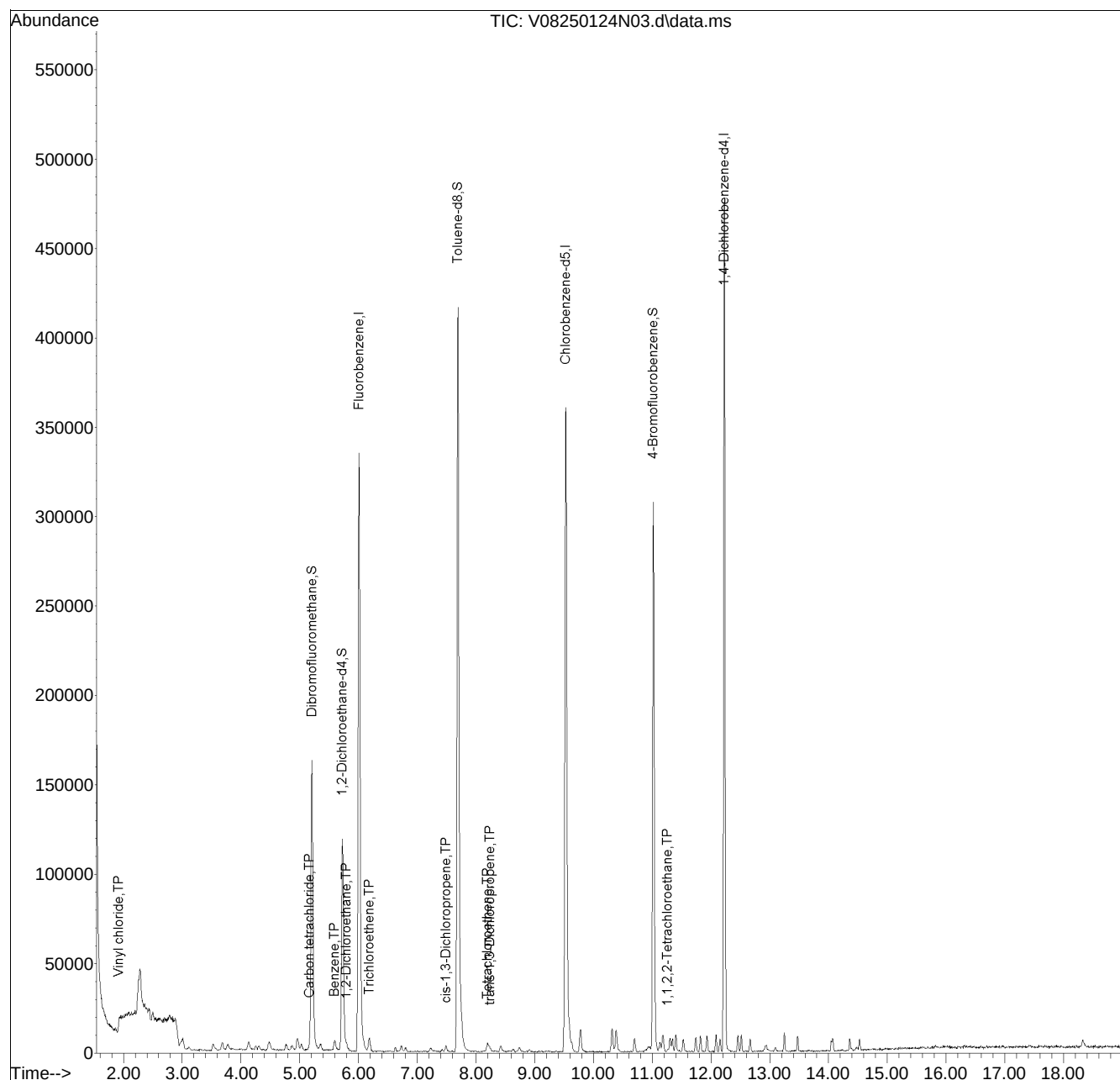
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N03.d
 Acq On : 24 Jan 2025 11:49 pm
 Operator : VOA108:PID
 Sample : I8260STD0.19PPB
 Misc : WG2031003,ICAL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 17 12:20:20 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

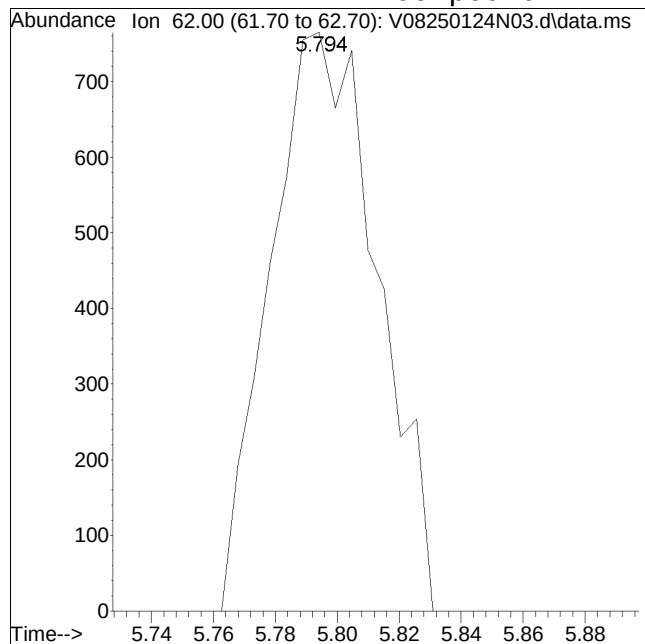
Sub List : 8260-L11_NJnew - L11 new NJCAL\V08250124N09.d•



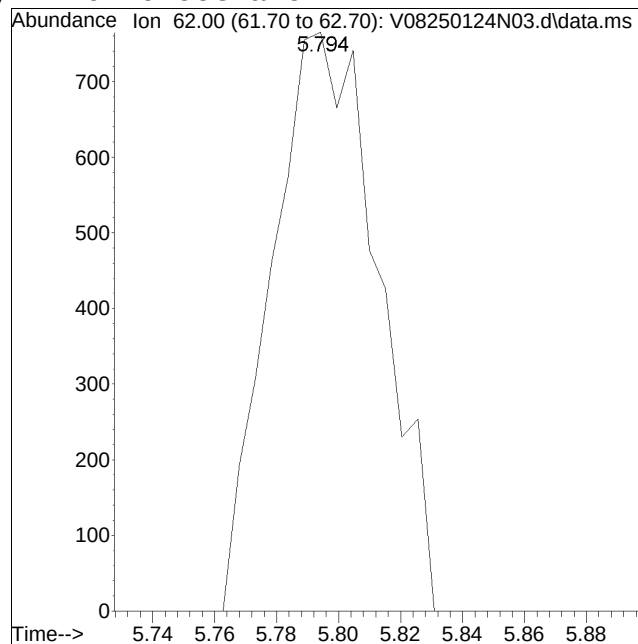
Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N03.d Operator : VOA108:PID
Date Inj'd : 1/24/2025 11:49 pm Instrument : VOA 108
Sample : I8260STD0.19PPB Quant Date : 2/17/2025 12:20 pm

Compound #44: 1,2-Dichloroethane



Original Peak Response = 1841



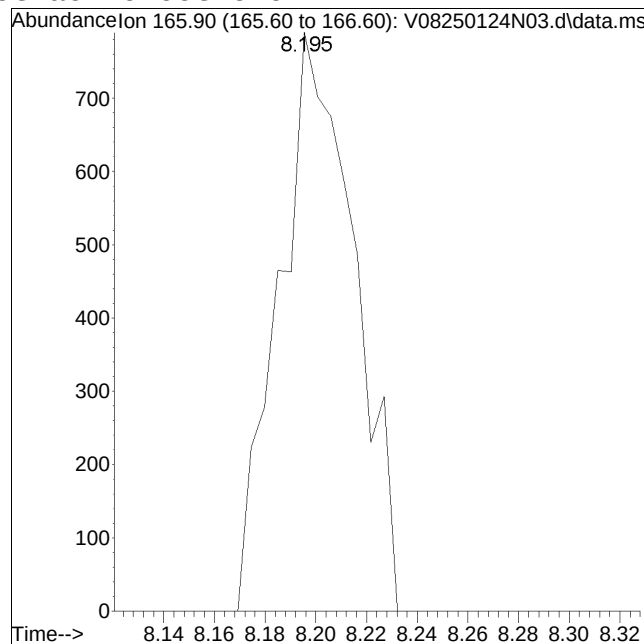
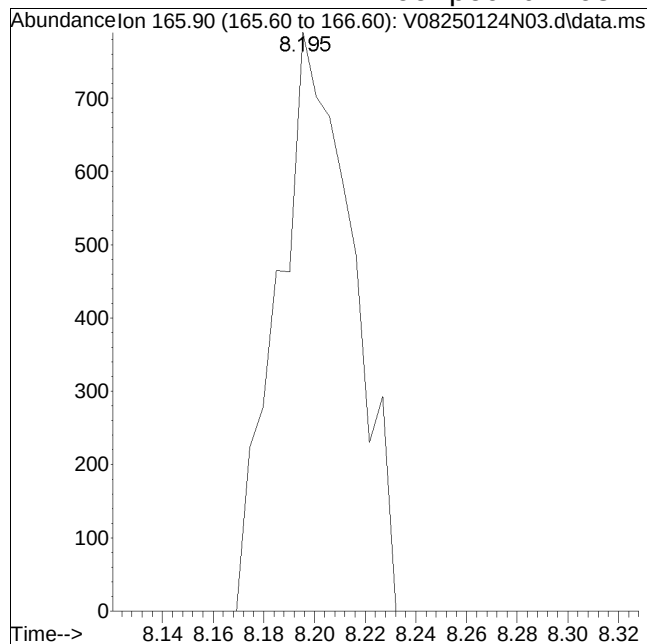
Manual Peak Response = 1841 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N03.d Operator : VOA108:PID
Date Inj'd : 1/24/2025 11:49 pm Instrument : VOA 108
Sample : I8260STD0.19PPB Quant Date : 2/17/2025 12:20 pm

Compound #63: Tetrachloroethene



Original Peak Response = 1633

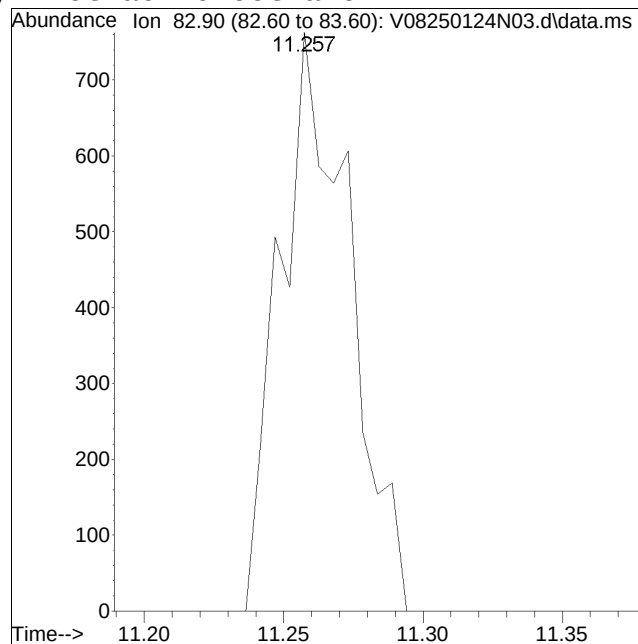
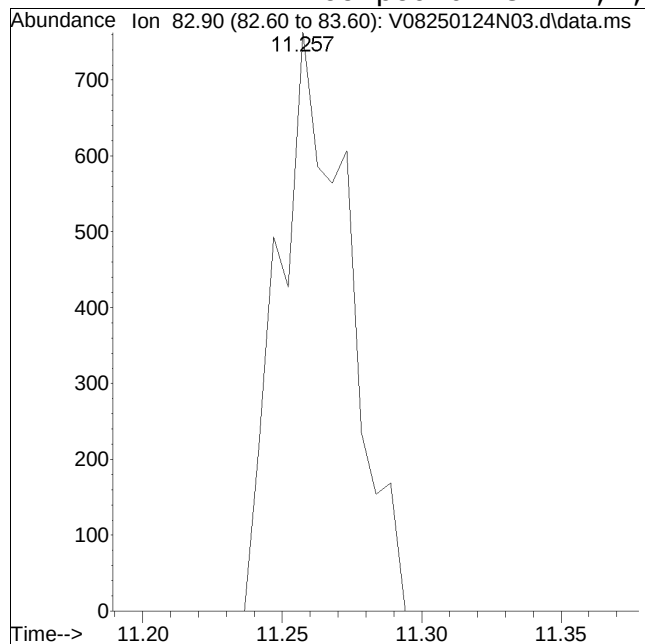
Manual Peak Response = 1633 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N03.d Operator : VOA108:PID
Date Inj'd : 1/24/2025 11:49 pm Instrument : VOA 108
Sample : I8260STD0.19PPB Quant Date : 2/17/2025 12:20 pm

Compound #87: 1,1,2,2-Tetrachloroethane



Original Peak Response = 1327

Manual Peak Response = 1327 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N05.d
 Acq On : 25 Jan 2025 12:34 am
 Operator : VOA108:PID
 Sample : I8260STD0.5PPB
 Misc : WG2031003,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 12:20:28 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.014	96	356599	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	104.32%	
59) Chlorobenzene-d5	9.527	117	272104	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	101.92%	
79) 1,4-Dichlorobenzene-d4	12.227	152	144686	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	107.57%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	112370	9.688	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.88%	
43) 1,2-Dichloroethane-d4	5.726	65	92226	9.461	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.61%	
60) Toluene-d8	7.692	98	354819	10.486	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.86%	
83) 4-Bromofluorobenzene	11.016	95	110713	10.071	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.71%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	3661M6	0.367	ug/L	
3) Chloromethane	1.862	50	5130M6	0.469	ug/L	
4) Vinyl chloride	1.930	62	4813	0.395	ug/L	91
5) Bromomethane	2.239	94	4481	0.410	ug/L	99
6) Chloroethane	2.360	64	3736M6	0.427	ug/L	
7) Trichlorofluoromethane	2.496	101	9341	0.371	ug/L	89
8) Ethyl ether	2.790	74	2988	0.481	ug/L #	59
10) 1,1-Dichloroethene	2.984	96	2846	0.349	ug/L #	62
11) Carbon disulfide	3.010	76	9653	0.356	ug/L	95
12) Freon-113	3.020	101	2763	0.335	ug/L	98
13) Iodomethane	3.120	142	3834M6	0.334	ug/L	
14) Acrolein	3.298	56	397	0.488	ug/L #	71
15) Methylene chloride	3.524	84	4174	0.460	ug/L	73
17) Acetone	3.571	43	2616	0.827	ug/L #	73
18) trans-1,2-Dichloroethene	3.676	96	3377M6	0.372	ug/L	
19) Methyl acetate	3.691	43	2746M6	0.707	ug/L	
20) Methyl tert-butyl ether	3.775	73	9129M6	0.447	ug/L	
21) tert-Butyl alcohol	3.870	59	694	2.325	ug/L #	1
22) Diisopropyl ether	4.127	45	11264	0.429	ug/L #	74
23) 1,1-Dichloroethane	4.253	63	6871M6	0.417	ug/L	
24) Halothane	4.300	117	2719	0.371	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N05.d
 Acq On : 25 Jan 2025 12:34 am
 Operator : VOA108:PID
 Sample : I8260STD0.5PPB
 Misc : WG2031003,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 12:20:28 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.305	53	538	0.324	ug/L #	46
26) Ethyl tert-butyl ether	4.478	59	10334	0.432	ug/L #	76
27) Vinyl acetate	4.488	43	8998	0.498	ug/L #	96
28) cis-1,2-Dichloroethene	4.772	96	4348	0.418	ug/L #	65
29) 2,2-Dichloropropane	4.871	77	5669	0.412	ug/L	87
30) Bromochloromethane	4.966	128	2328	0.414	ug/L #	54
31) Cyclohexane	4.976	56	5233	0.370	ug/L #	55
32) Chloroform	5.034	83	7597	0.452	ug/L	94
33) Ethyl acetate	5.139	43	3187	0.565	ug/L #	84
34) Carbon tetrachloride	5.165	117	4797	0.356	ug/L	96
35) Tetrahydrofuran	5.186	42	952M1	0.600	ug/L	
37) 1,1,1-Trichloroethane	5.233	97	5599	0.385	ug/L #	93
39) 2-Butanone	5.338	43	1338M3	0.594	ug/L	
40) 1,1-Dichloropropene	5.354	75	4011M6	0.351	ug/L	
41) Benzene	5.600	78	14597	0.429	ug/L #	83
42) tert-Amyl methyl ether	5.700	73	9951	0.474	ug/L	86
44) 1,2-Dichloroethane	5.799	62	4958	0.478	ug/L	93
47) Methyl cyclohexane	6.187	83	4191M6	0.290	ug/L	
48) Trichloroethene	6.182	95	3768	0.398	ug/L	92
50) Dibromomethane	6.622	93	2419	0.450	ug/L	97
51) 1,2-Dichloropropane	6.732	63	3824	0.435	ug/L #	91
53) 2-Chloroethyl vinyl ether	7.419	63	1740	0.422	ug/L #	93
54) Bromodichloromethane	6.795	83	5316	0.431	ug/L #	93
57) 1,4-Dioxane	7.000	88	2568	80.024	ug/L #	74
58) cis-1,3-Dichloropropene	7.482	75	5763	0.421	ug/L	93
61) Toluene	7.750	92	8510	0.431	ug/L	98
62) 4-Methyl-2-pentanone	8.185	58	684M6	0.409	ug/L	
63) Tetrachloroethene	8.195	166	3440	0.394	ug/L	89
65) trans-1,3-Dichloropropene	8.232	75	5055	0.465	ug/L	86
67) Ethyl methacrylate	8.421	69	3161	0.447	ug/L #	19
68) 1,1,2-Trichloroethane	8.415	83	2378	0.457	ug/L	92
69) Chlorodibromomethane	8.630	129	3516M6	0.418	ug/L	
70) 1,3-Dichloropropane	8.741	76	5514	0.512	ug/L	100
71) 1,2-Dibromoethane	8.908	107	2694	0.455	ug/L	90
72) 2-Hexanone	9.207	43	1307M6	0.438	ug/L	
73) Chlorobenzene	9.548	112	10763	0.432	ug/L #	79
74) Ethylbenzene	9.590	91	15586	0.399	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.632	131	3519	0.411	ug/L #	66
76) p/m Xylene	9.779	106	12005	0.732	ug/L	96
77) o Xylene	10.319	106	11918	0.730	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N05.d
 Acq On : 25 Jan 2025 12:34 am
 Operator : VOA108:PID
 Sample : I8260STD0.5PPB
 Misc : WG2031003,ICAL
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 12:20:28 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	20727	0.745	ug/L	#	82
80)	Bromoform	10.403	173	1739	0.356	ug/L	#	67
82)	Isopropylbenzene	10.701	105	14353	0.372	ug/L		98
84)	Bromobenzene	11.137	156	4384	0.427	ug/L		100
85)	n-Propylbenzene	11.179	91	18067	0.392	ug/L		94
86)	1,4-Dichlorobutane	11.194	55	4340M6	0.485	ug/L		
87)	1,1,2,2-Tetrachloroethane	11.257	83	3323	0.476	ug/L		97
88)	4-Ethyltoluene	11.299	105	14887	0.384	ug/L		95
89)	2-Chlorotoluene	11.346	91	11203	0.424	ug/L	#	83
90)	1,3,5-Trimethylbenzene	11.399	105	12807	0.375	ug/L		91
91)	1,2,3-Trichloropropane	11.399	75	2875	0.489	ug/L		92
92)	trans-1,4-Dichloro-2-b...	11.451	53	821	0.481	ug/L	#	71
93)	4-Chlorotoluene	11.530	91	11695	0.426	ug/L	#	85
94)	tert-Butylbenzene	11.740	119	10924	0.380	ug/L		97
97)	1,2,4-Trimethylbenzene	11.818	105	12526	0.380	ug/L		92
98)	sec-Butylbenzene	11.934	105	15892	0.385	ug/L		96
99)	p-Isopropyltoluene	12.086	119	14291	0.378	ug/L		95
100)	1,3-Dichlorobenzene	12.154	146	8706	0.427	ug/L		98
101)	1,4-Dichlorobenzene	12.243	146	9979	0.471	ug/L	#	93
102)	p-Diethylbenzene	12.458	119	8500	0.370	ug/L		88
103)	n-Butylbenzene	12.516	91	11961	0.381	ug/L		98
104)	1,2-Dichlorobenzene	12.668	146	8566	0.452	ug/L		92
105)	1,2,4,5-Tetramethylben...	13.250	119	13126	0.358	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.444	155	505	0.508	ug/L		95
107)	1,3,5-Trichlorobenzene	13.475	180	5785	0.384	ug/L		92
108)	Hexachlorobutadiene	14.046	225	2149	0.370	ug/L		91
109)	1,2,4-Trichlorobenzene	14.067	180	6018	0.442	ug/L		95
110)	Naphthalene	14.361	128	12777	0.498	ug/L		100
111)	1,2,3-Trichlorobenzene	14.524	180	5298	0.452	ug/L		95

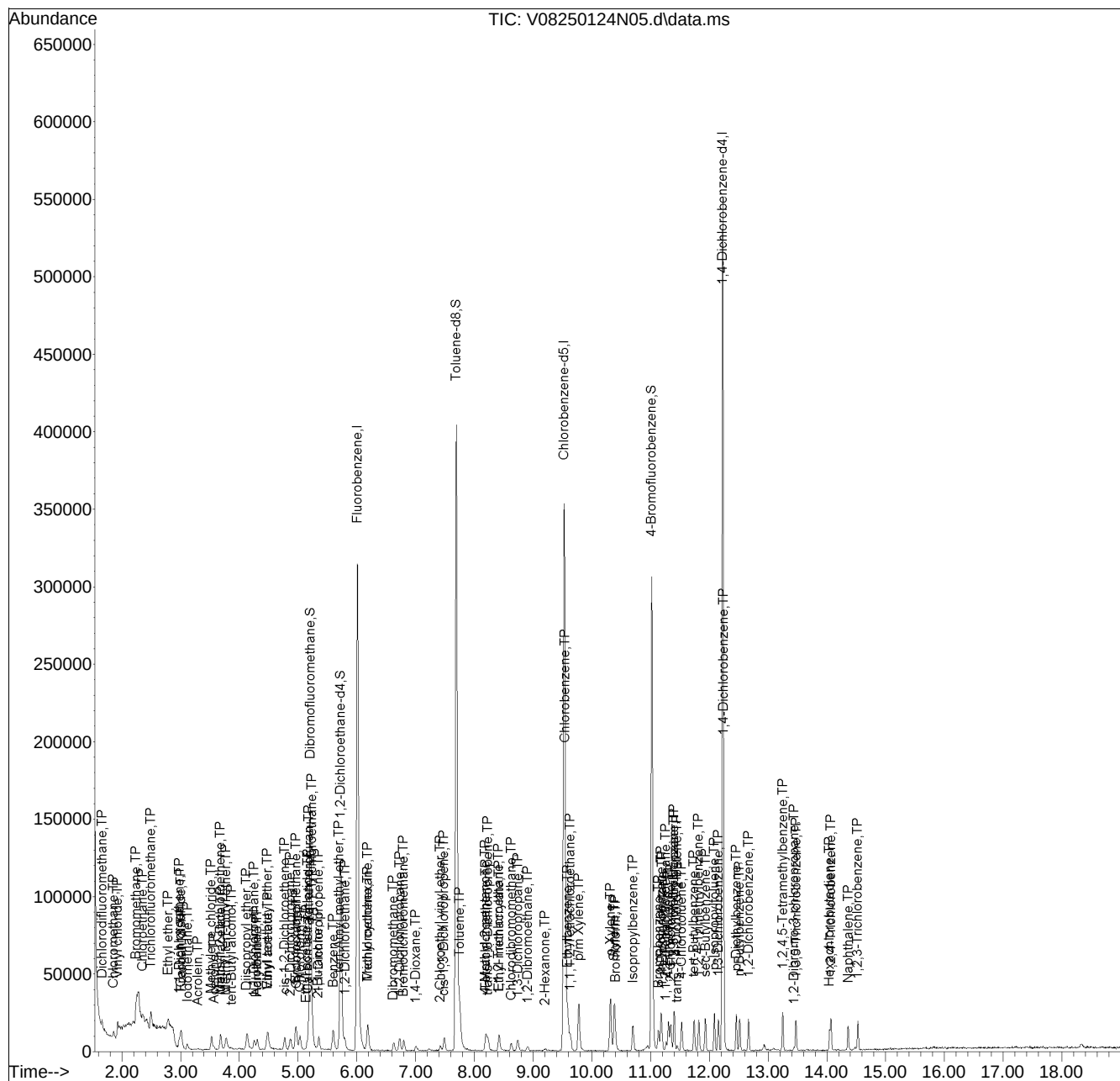
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N05.d
Acq On : 25 Jan 2025 12:34 am
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG2031003,ICAL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 17 12:20:28 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

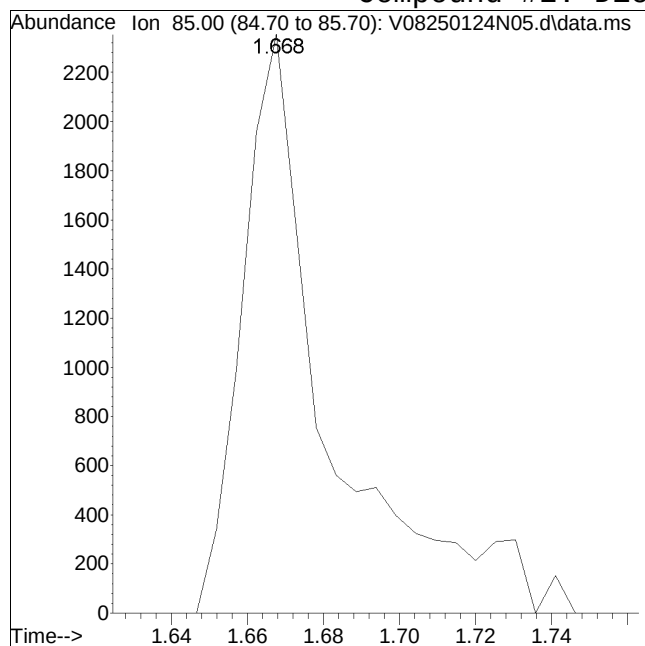
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

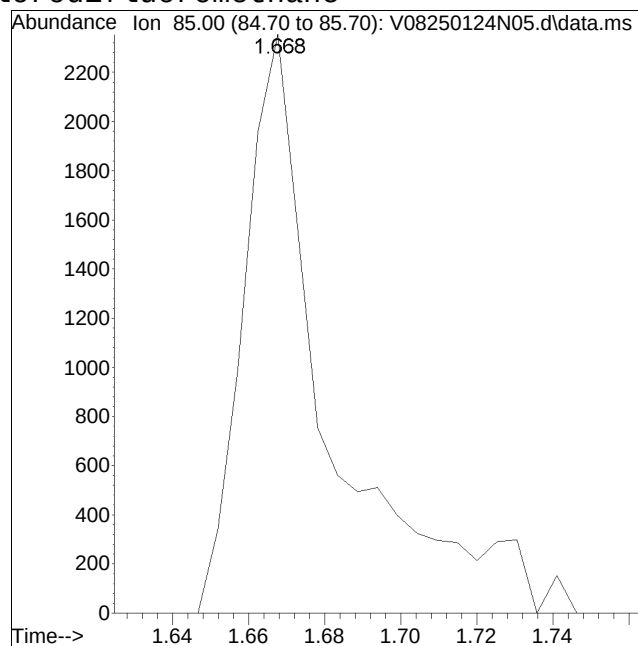
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 3709

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

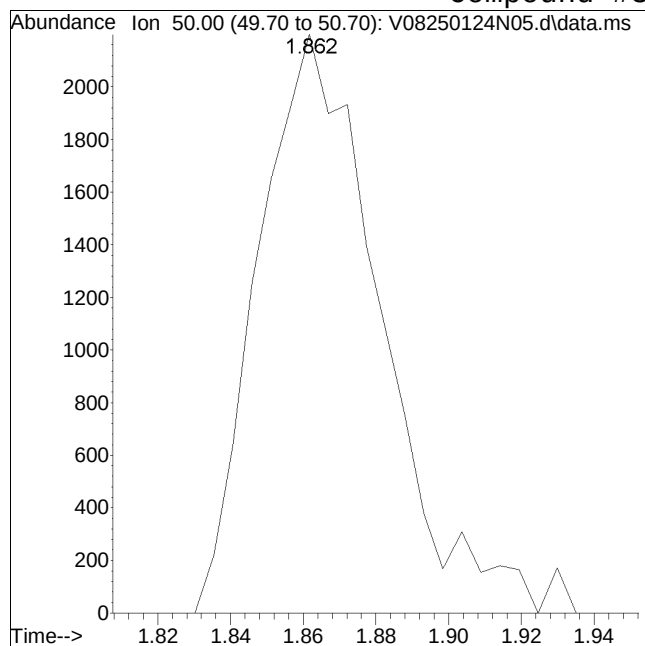


Manual Peak Response = 3661 M6

Manual Integration Report

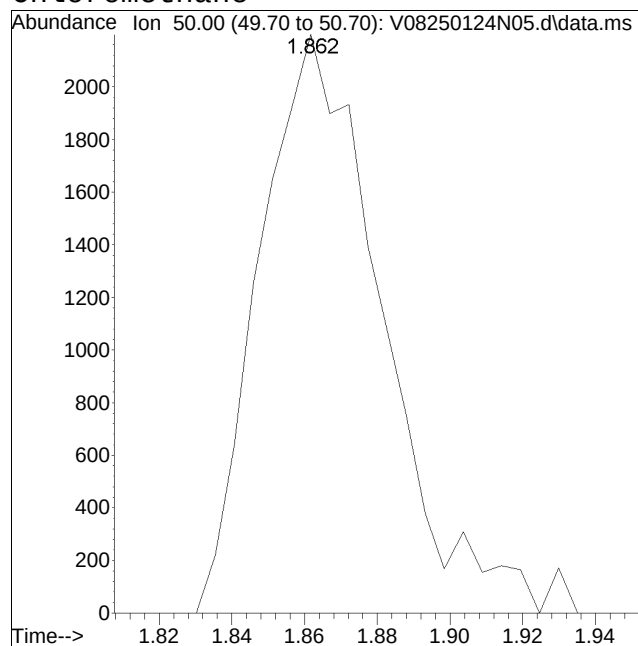
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #3: Chloromethane



Original Peak Response = 5184

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

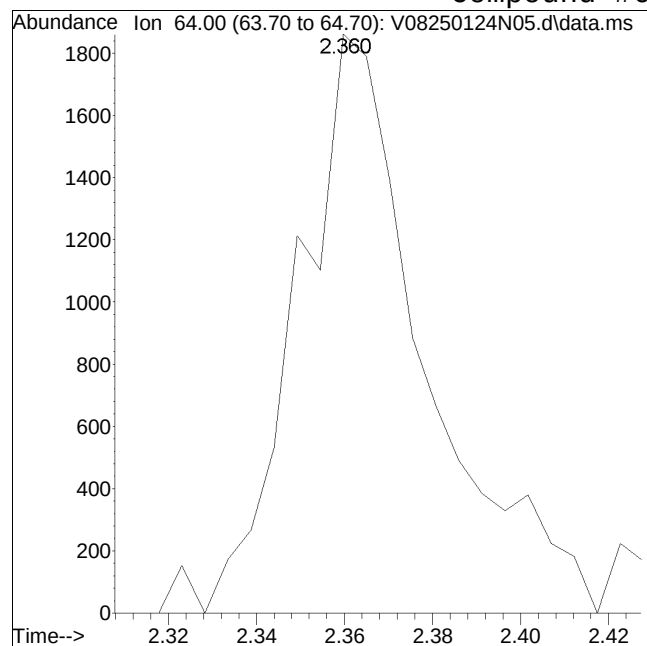


Manual Peak Response = 5130 M6

Manual Integration Report

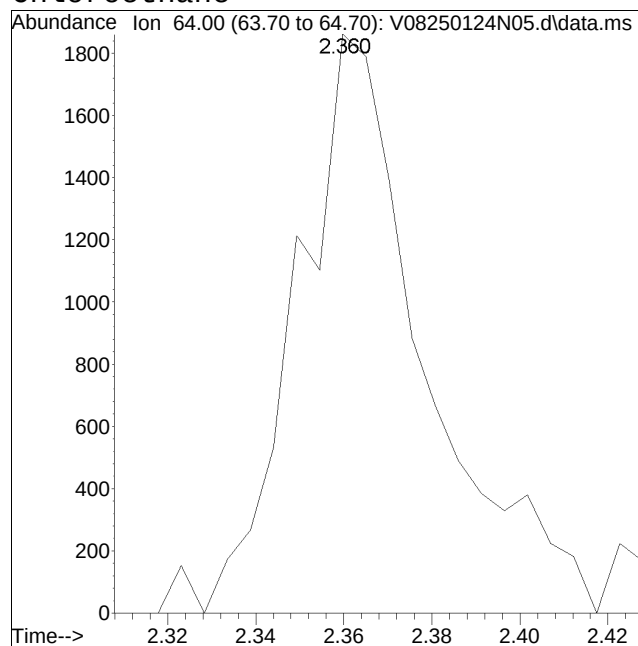
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #6: Chloroethane



Original Peak Response = 3784

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

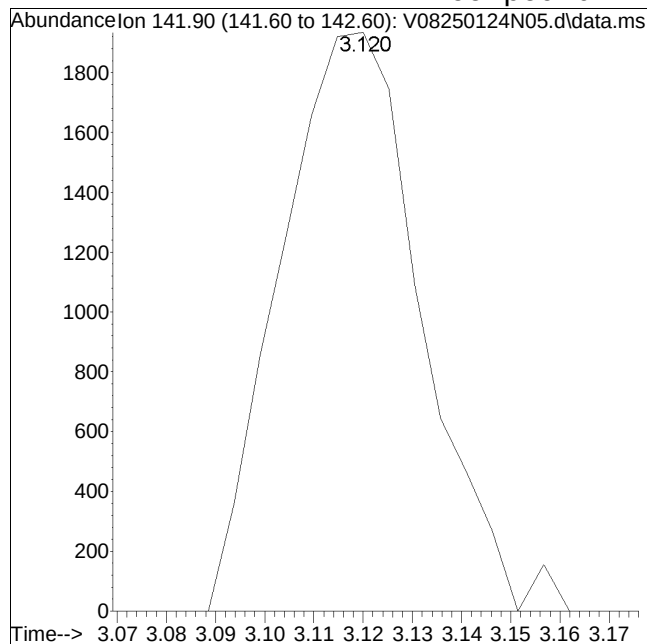


Manual Peak Response = 3736 M6

Manual Integration Report

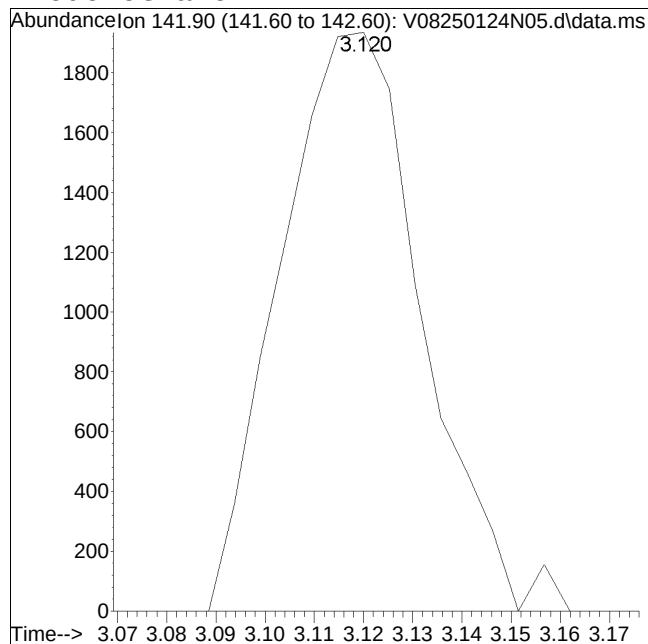
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #13: Iodomethane



Original Peak Response = 3883

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

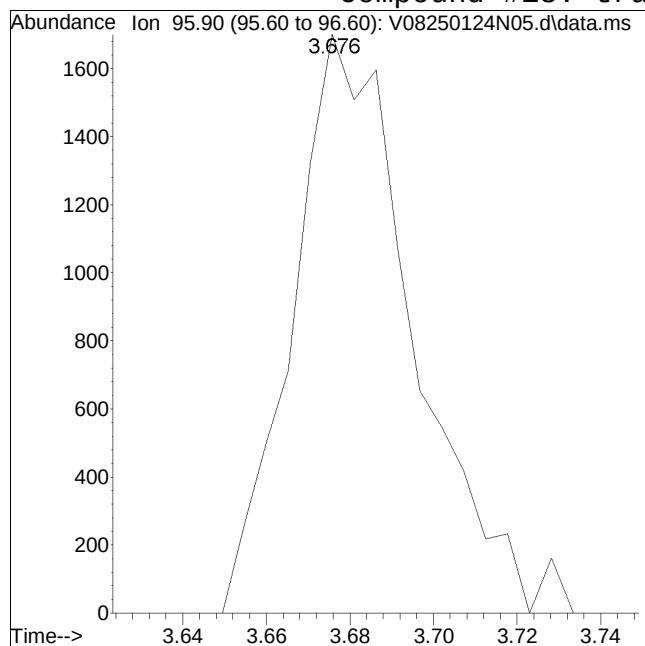


Manual Peak Response = 3834 M6

Manual Integration Report

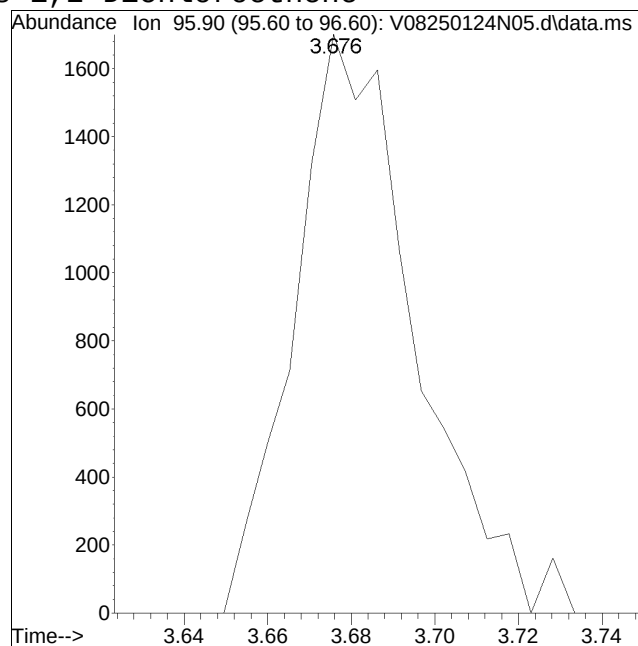
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : V0A 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 3428

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

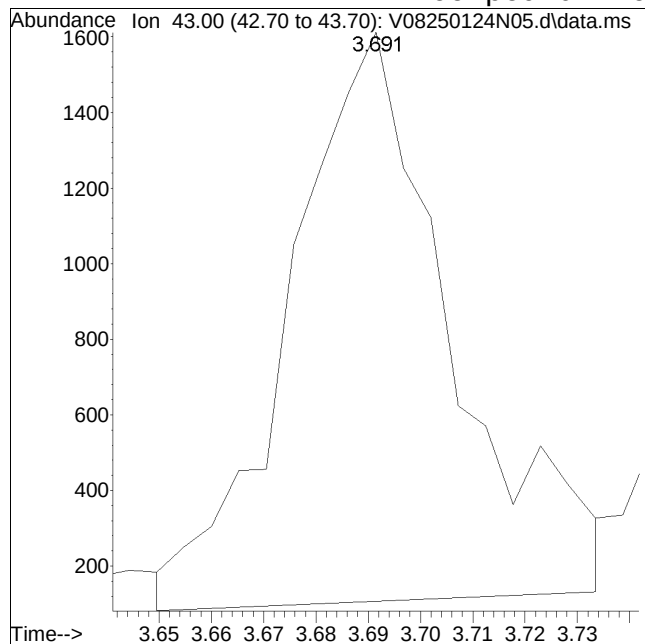


Manual Peak Response = 3377 M6

Manual Integration Report

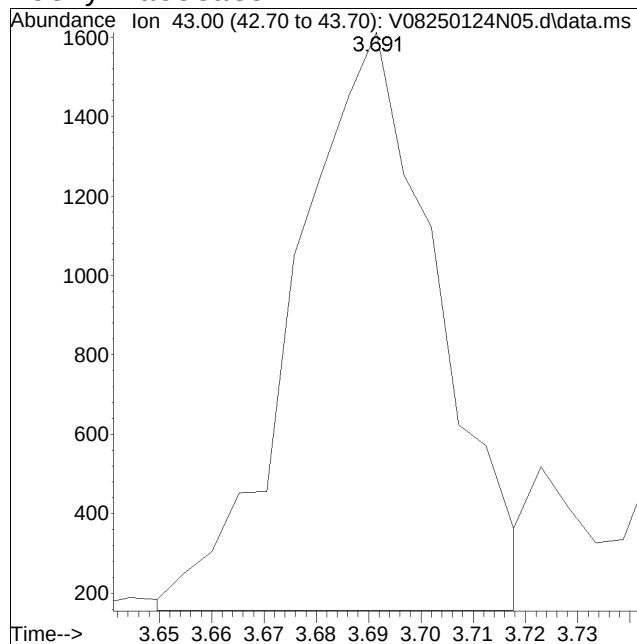
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #19: Methyl acetate



Original Peak Response = 3246

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

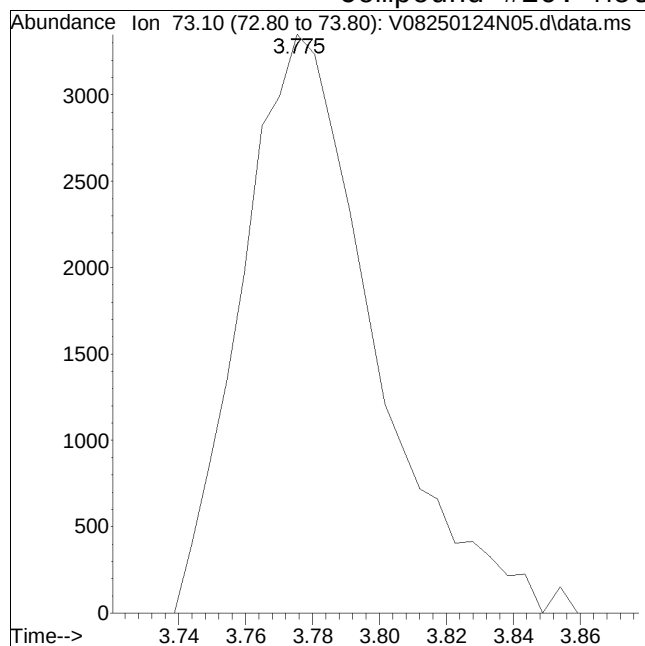


Manual Peak Response = 2746 M6

Manual Integration Report

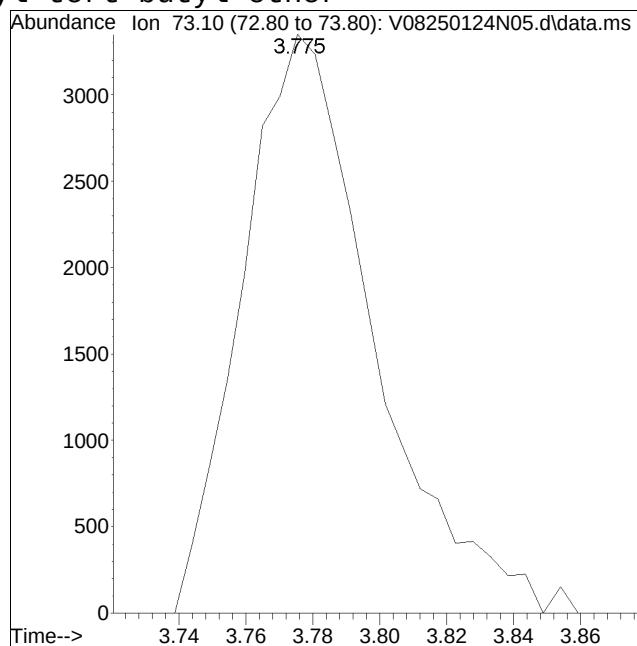
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : V0A 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 9177

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

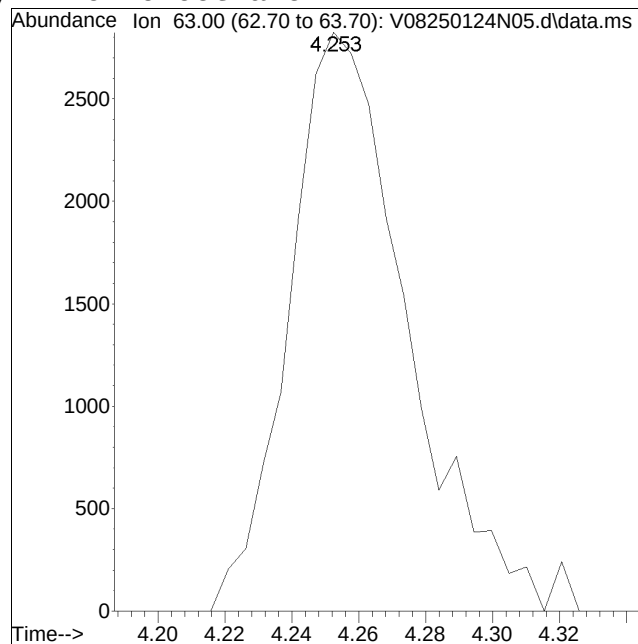
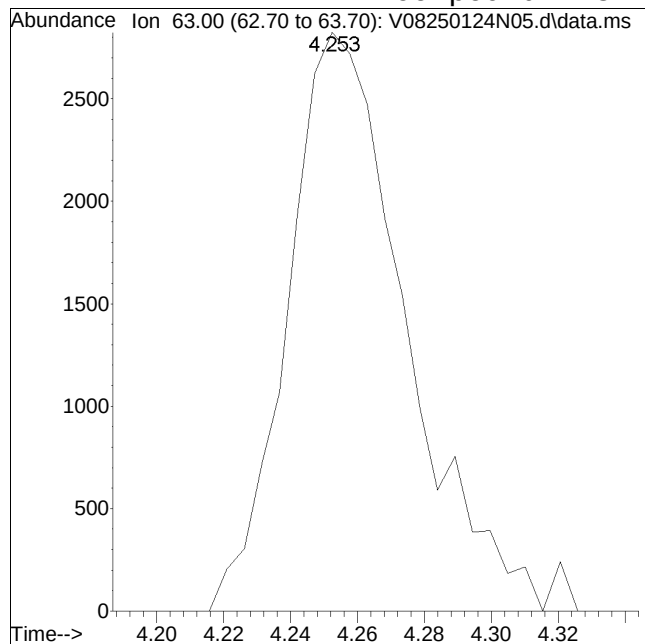


Manual Peak Response = 9129 M6

Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #23: 1,1-Dichloroethane



Original Peak Response = 6946

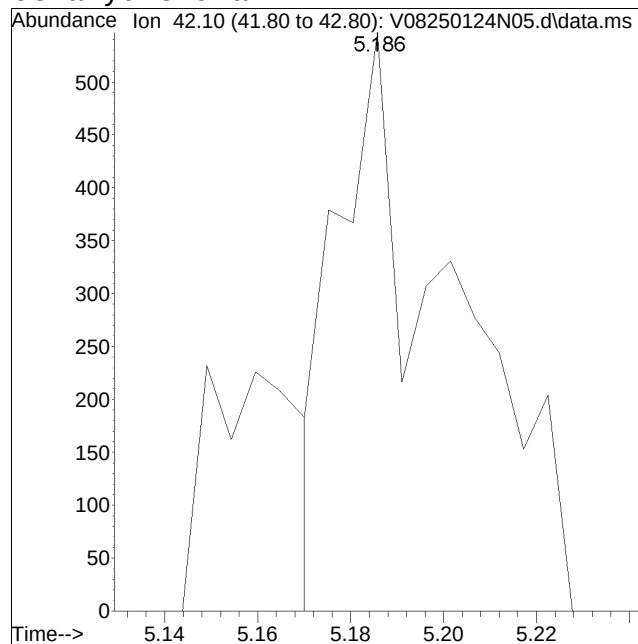
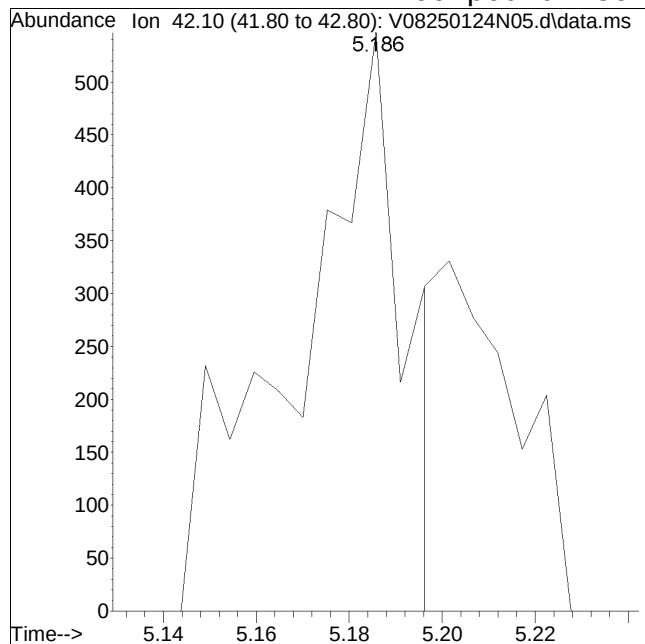
Manual Peak Response = 6871 M6

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

Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 889

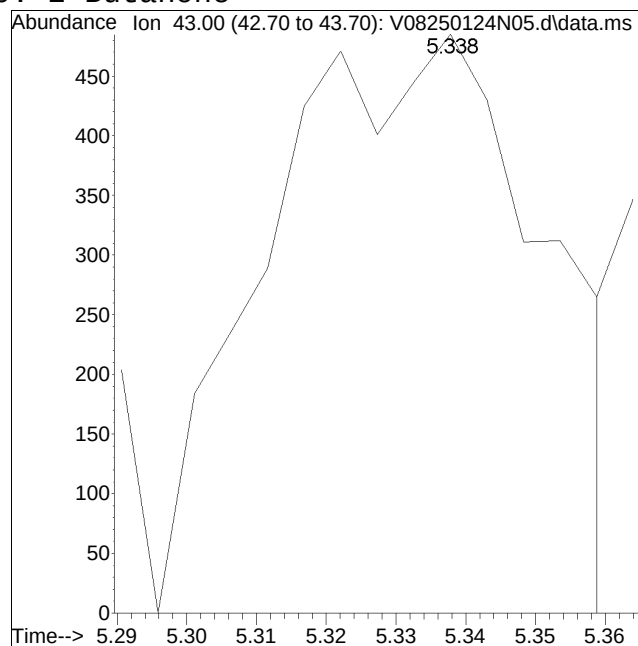
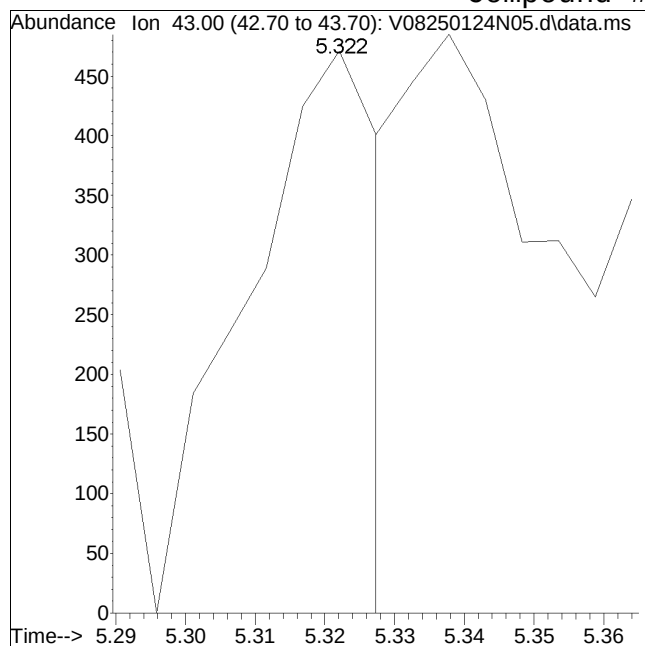
Manual Peak Response = 952 M1

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

Manual Integration Report

Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : V0A 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #39: 2-Butanone



Original Peak Response = 631

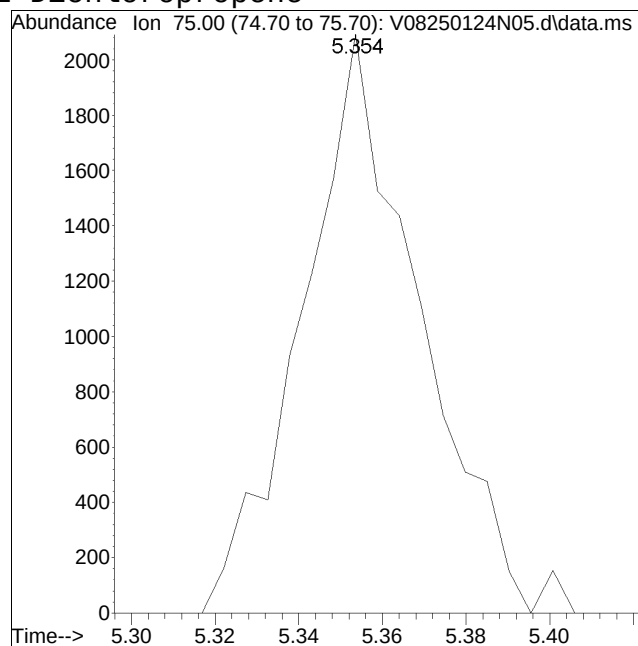
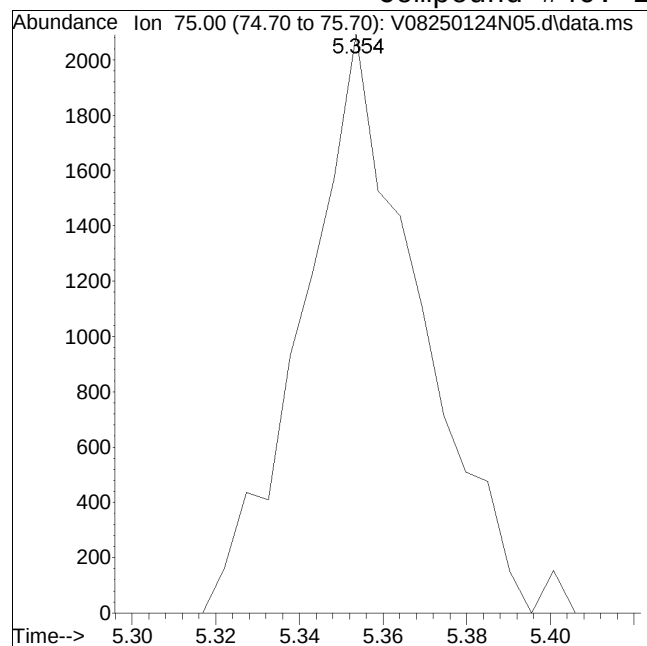
Manual Peak Response = 1338 M3

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 : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #40: 1,1-Dichloropropene



Original Peak Response = 4060

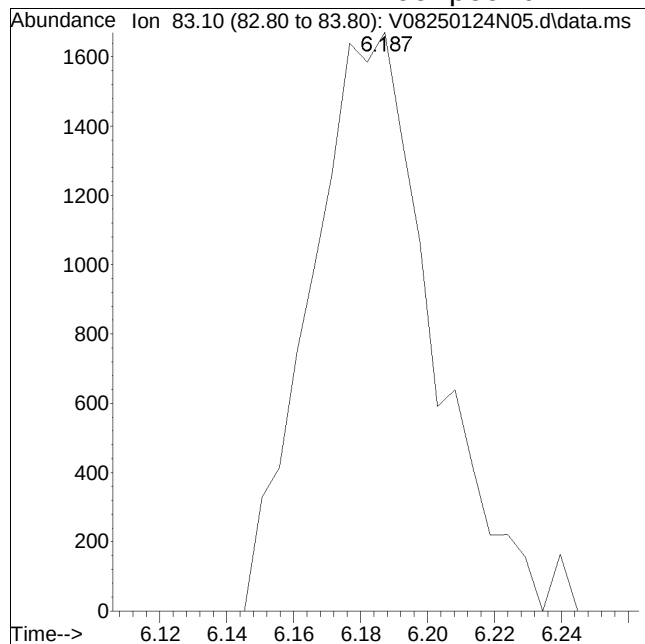
Manual Peak Response = 4011 M6

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

Manual Integration Report

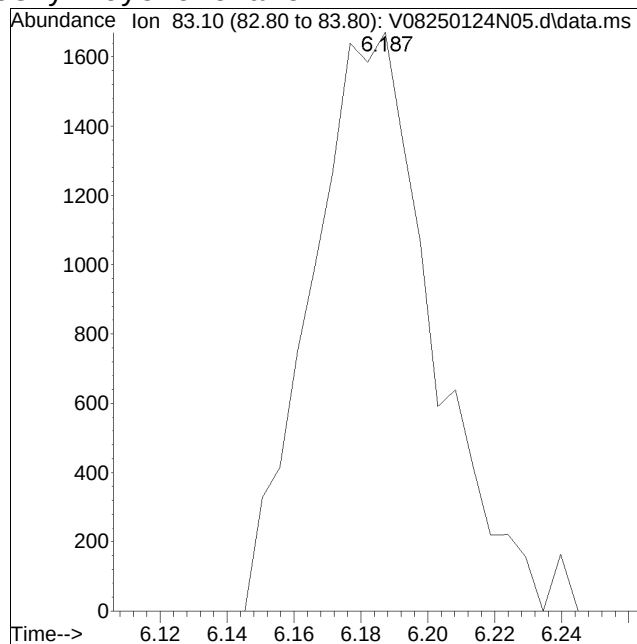
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : V0A 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 4243

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

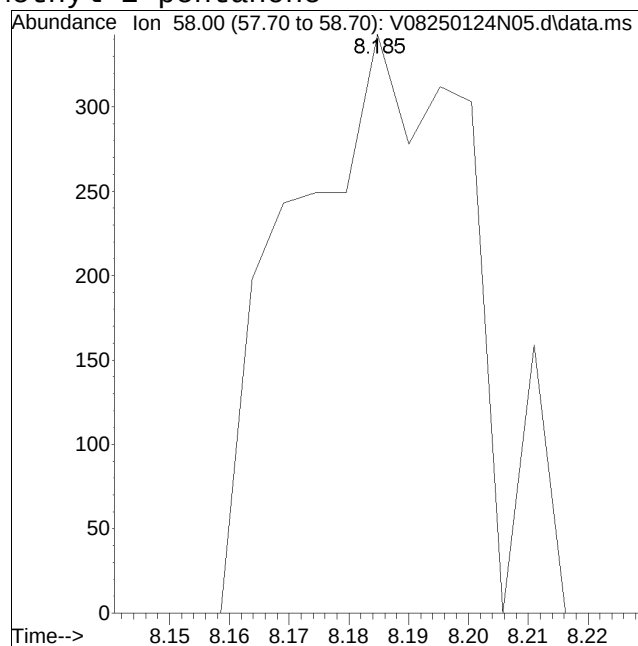
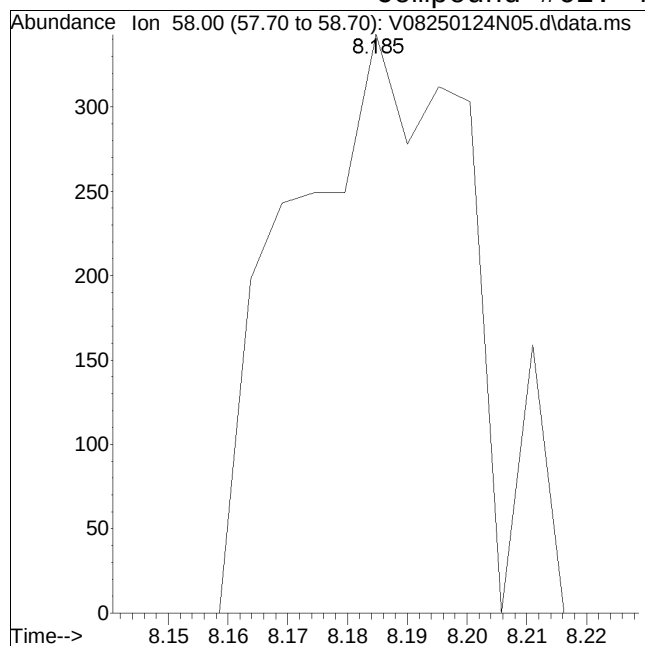


Manual Peak Response = 4191 M6

Manual Integration Report

Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : V0A 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 734

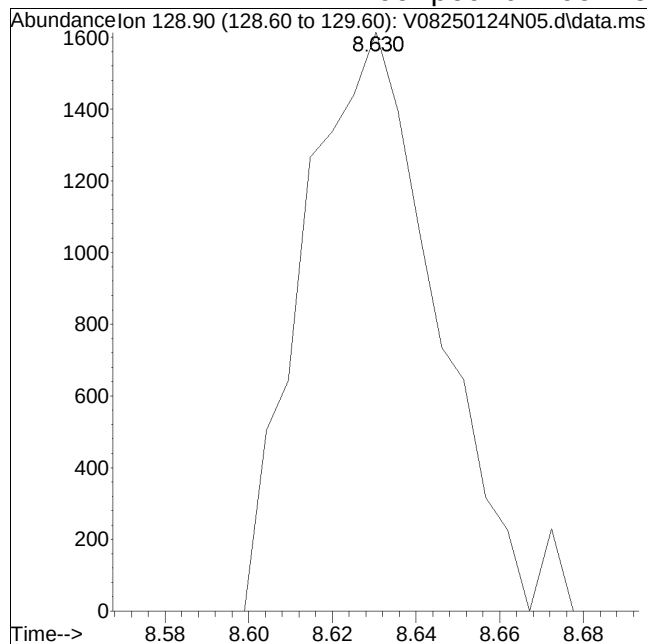
Manual Peak Response = 684 M6

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

Manual Integration Report

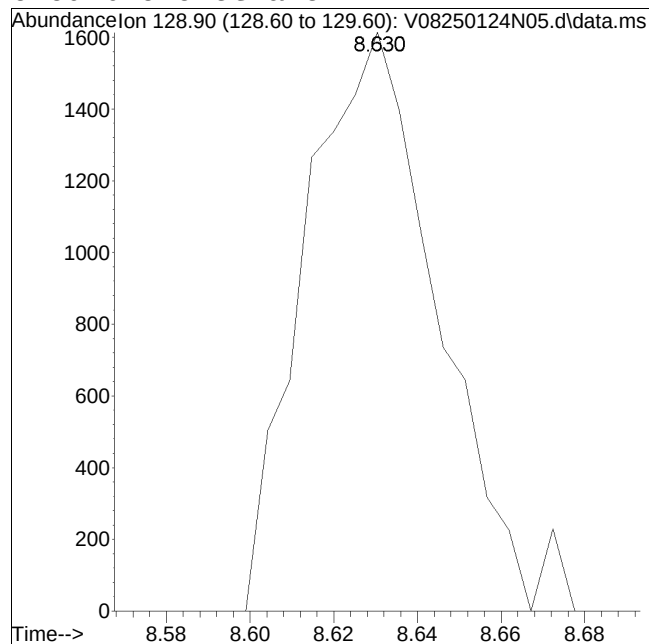
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #69: Chlorodibromomethane



Original Peak Response = 3588

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

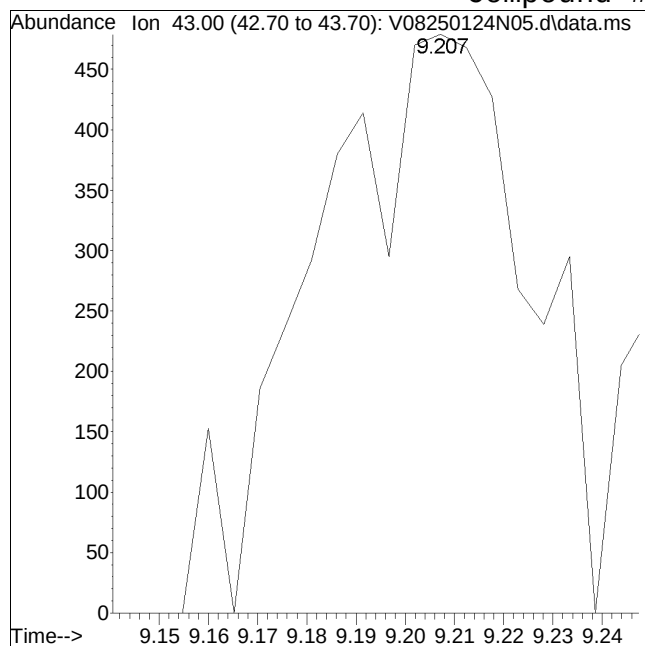


Manual Peak Response = 3516 M6

Manual Integration Report

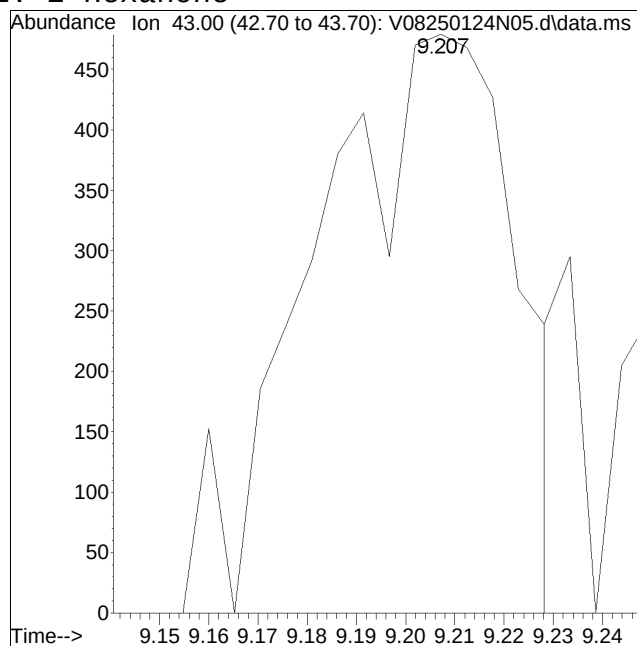
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #72: 2-Hexanone



Original Peak Response = 1448

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

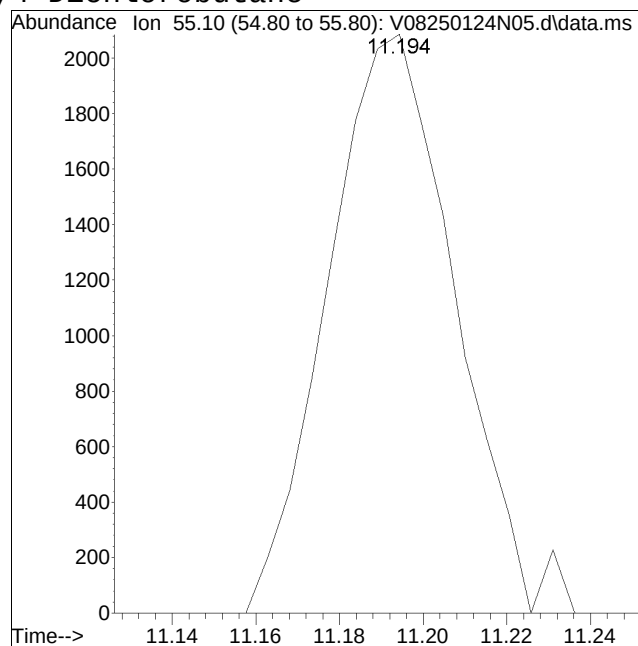
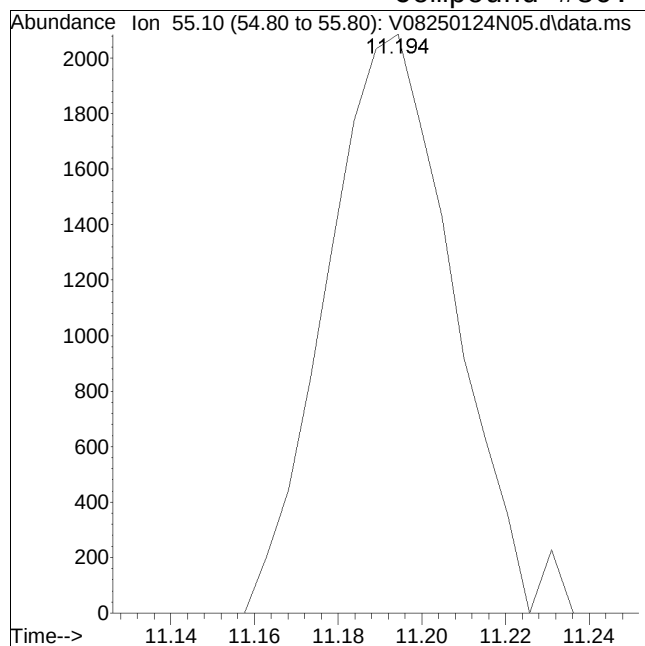


Manual Peak Response = 1307 M6

Manual Integration Report

Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N05.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 12:34 am Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 2/17/2025 12:20 pm

Compound #86: 1,4-Dichlorobutane



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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N07.d
 Acq On : 25 Jan 2025 1:18 am
 Operator : VOA108:PID
 Sample : I8260STD2PPB
 Misc : WG2031003,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 12:20:35 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	345297	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	101.02%	
59) Chlorobenzene-d5	9.527	117	275941	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	103.36%	
79) 1,4-Dichlorobenzene-d4	12.227	152	140270	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	104.29%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	109915	9.786	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.86%	
43) 1,2-Dichloroethane-d4	5.731	65	92464	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.96%	
60) Toluene-d8	7.692	98	354111	10.319	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.19%	
83) 4-Bromofluorobenzene	11.021	95	112191	10.527	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.27%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	22146	2.290	ug/L	97
3) Chloromethane	1.867	50	24112	2.276	ug/L	98
4) Vinyl chloride	1.930	62	26396	2.239	ug/L	90
5) Bromomethane	2.239	94	21830	2.062	ug/L	99
6) Chloroethane	2.360	64	18732	2.210	ug/L	88
7) Trichlorofluoromethane	2.496	101	53314	2.189	ug/L	98
8) Ethyl ether	2.790	74	12386	2.060	ug/L	67
10) 1,1-Dichloroethene	2.979	96	17121	2.169	ug/L #	59
11) Carbon disulfide	3.010	76	54958	2.095	ug/L	96
12) Freon-113	3.010	101	16626	2.083	ug/L	95
13) Iodomethane	3.120	142	21621	1.943	ug/L	83
14) Acrolein	3.288	56	1709	2.169	ug/L #	56
15) Methylene chloride	3.524	84	19222	2.190	ug/L	69
17) Acetone	3.566	43	4247	2.261	ug/L #	85
18) trans-1,2-Dichloroethene	3.676	96	18102	2.061	ug/L	72
19) Methyl acetate	3.686	43	7676	2.042	ug/L #	81
20) Methyl tert-butyl ether	3.781	73	38673	1.958	ug/L	92
21) tert-Butyl alcohol	3.859	59	2884	9.978	ug/L #	71
22) Diisopropyl ether	4.132	45	51693	2.032	ug/L #	89
23) 1,1-Dichloroethane	4.258	63	34371	2.152	ug/L	99
24) Halothane	4.310	117	15003	2.113	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N07.d
 Acq On : 25 Jan 2025 1:18 am
 Operator : VOA108:PID
 Sample : I8260STD2PPB
 Misc : WG2031003,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 12:20:35 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Acrylonitrile	4.300	53	3401	2.116	ug/L	#	86
26) Ethyl tert-butyl ether	4.473	59	45727	1.973	ug/L		84
27) Vinyl acetate	4.489	43	33898	1.939	ug/L		97
28) cis-1,2-Dichloroethene	4.766	96	21747	2.161	ug/L	#	64
29) 2,2-Dichloropropane	4.871	77	28737	2.155	ug/L		99
30) Bromochloromethane	4.960	128	11103	2.038	ug/L	#	48
31) Cyclohexane	4.966	56	28477	2.081	ug/L	#	57
32) Chloroform	5.034	83	34950	2.150	ug/L		97
33) Ethyl acetate	5.139	43	11384	2.083	ug/L	#	94
34) Carbon tetrachloride	5.170	117	26955	2.064	ug/L		96
35) Tetrahydrofuran	5.186	42	3496M6	2.276	ug/L		
37) 1,1,1-Trichloroethane	5.228	97	30157	2.142	ug/L	#	91
39) 2-Butanone	5.317	43	5020	2.301	ug/L	#	41
40) 1,1-Dichloropropene	5.354	75	22690	2.053	ug/L		91
41) Benzene	5.595	78	70049	2.126	ug/L		90
42) tert-Amyl methyl ether	5.710	73	40833	2.008	ug/L	#	85
44) 1,2-Dichloroethane	5.799	62	20998	2.089	ug/L		98
47) Methyl cyclohexane	6.187	83	26345	1.882	ug/L	#	67
48) Trichloroethene	6.193	95	18023	1.964	ug/L		88
50) Dibromomethane	6.628	93	10873	2.087	ug/L		97
51) 1,2-Dichloropropane	6.727	63	17102	2.009	ug/L		94
53) 2-Chloroethyl vinyl ether	7.419	63	8233	2.062	ug/L		92
54) Bromodichloromethane	6.796	83	23735	1.987	ug/L		98
57) 1,4-Dioxane	7.005	88	10756	346.150	ug/L	#	75
58) cis-1,3-Dichloropropene	7.488	75	26768	2.022	ug/L		93
61) Toluene	7.750	92	43223	2.158	ug/L		99
62) 4-Methyl-2-pentanone	8.185	58	3469	2.045	ug/L	#	73
63) Tetrachloroethene	8.201	166	18785	2.124	ug/L		90
65) trans-1,3-Dichloropropene	8.227	75	22397	2.031	ug/L		98
67) Ethyl methacrylate	8.426	69	13663	1.906	ug/L	#	33
68) 1,1,2-Trichloroethane	8.416	83	10560	2.002	ug/L		90
69) Chlorodibromomethane	8.631	129	16331	1.914	ug/L		96
70) 1,3-Dichloropropane	8.741	76	23350	2.139	ug/L		99
71) 1,2-Dibromoethane	8.903	107	13264	2.210	ug/L		99
72) 2-Hexanone	9.197	43	6405	2.116	ug/L	#	88
73) Chlorobenzene	9.553	112	52808	2.088	ug/L		99
74) Ethylbenzene	9.590	91	80423	2.031	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.632	131	16175	1.863	ug/L		96
76) p/m Xylene	9.774	106	62365	3.751	ug/L		92
77) o Xylene	10.314	106	61902	3.739	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N07.d
 Acq On : 25 Jan 2025 1:18 am
 Operator : VOA108:PID
 Sample : I8260STD2PPB
 Misc : WG2031003,ICAL
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 12:20:35 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	102572	3.638	ug/L	#	84
80)	Bromoform	10.403	173	8490	1.794	ug/L		90
82)	Isopropylbenzene	10.696	105	77321	2.065	ug/L		95
84)	Bromobenzene	11.132	156	20914	2.102	ug/L		96
85)	n-Propylbenzene	11.173	91	92678	2.076	ug/L		96
86)	1,4-Dichlorobutane	11.189	55	19234	2.219	ug/L		95
87)	1,1,2,2-Tetrachloroethane	11.257	83	13978	2.066	ug/L		98
88)	4-Ethyltoluene	11.305	105	77106	2.054	ug/L		95
89)	2-Chlorotoluene	11.341	91	54067M1	2.113	ug/L		
90)	1,3,5-Trimethylbenzene	11.399	105	66460	2.007	ug/L		88
91)	1,2,3-Trichloropropane	11.399	75	12028	2.111	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.457	53	3668	2.217	ug/L	#	70
93)	4-Chlorotoluene	11.525	91	56595	2.125	ug/L	#	87
94)	tert-Butylbenzene	11.740	119	57612	2.066	ug/L		96
97)	1,2,4-Trimethylbenzene	11.818	105	63860	1.997	ug/L		91
98)	sec-Butylbenzene	11.928	105	83386	2.081	ug/L		94
99)	p-Isopropyltoluene	12.086	119	74552	2.036	ug/L		93
100)	1,3-Dichlorobenzene	12.149	146	39815	2.013	ug/L		97
101)	1,4-Dichlorobenzene	12.243	146	42017	2.045	ug/L		98
102)	p-Diethylbenzene	12.458	119	43127	1.936	ug/L		93
103)	n-Butylbenzene	12.516	91	64122	2.108	ug/L		97
104)	1,2-Dichlorobenzene	12.662	146	37351	2.033	ug/L		97
105)	1,2,4,5-Tetramethylben...	13.244	119	65311	1.839	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.438	155	2030	2.105	ug/L		89
107)	1,3,5-Trichlorobenzene	13.475	180	29771	2.036	ug/L		92
108)	Hexachlorobutadiene	14.047	225	11633	2.068	ug/L		95
109)	1,2,4-Trichlorobenzene	14.068	180	25516	1.933	ug/L		99
110)	Naphthalene	14.361	128	51376	2.064	ug/L		100
111)	1,2,3-Trichlorobenzene	14.529	180	22912	2.018	ug/L		99

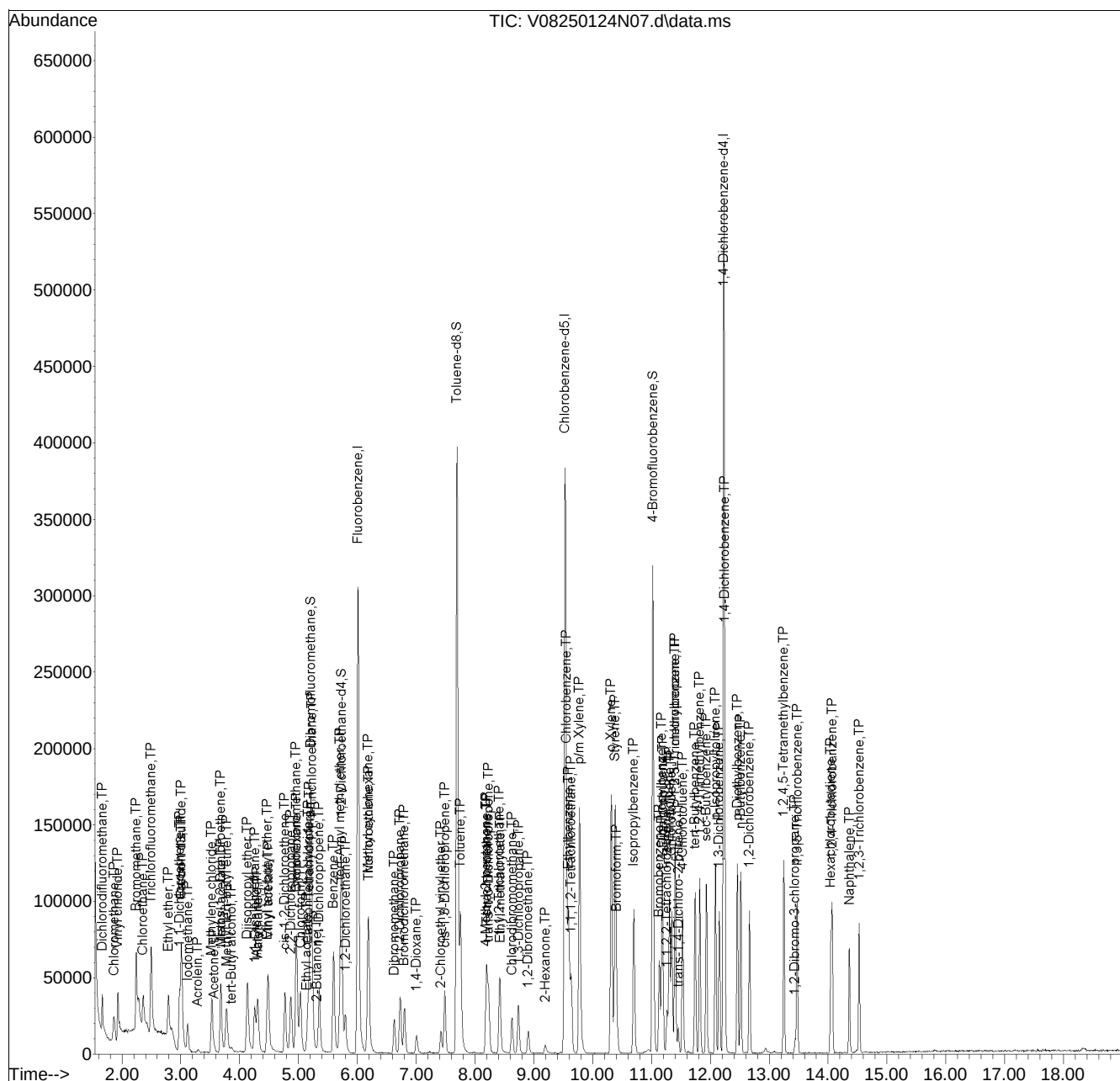
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N07.d
Acq On : 25 Jan 2025 1:18 am
Operator : VOA108:PID
Sample : I8260STD2PPB
Misc : WG2031003,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 17 12:20:35 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

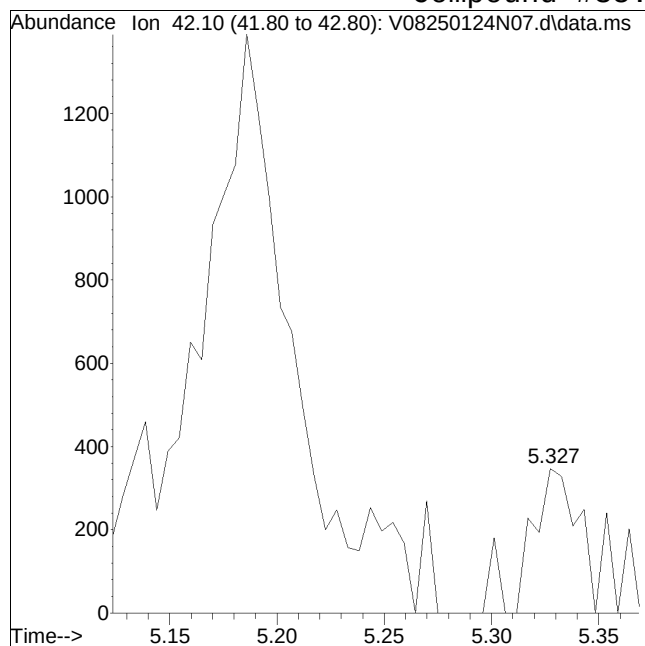
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

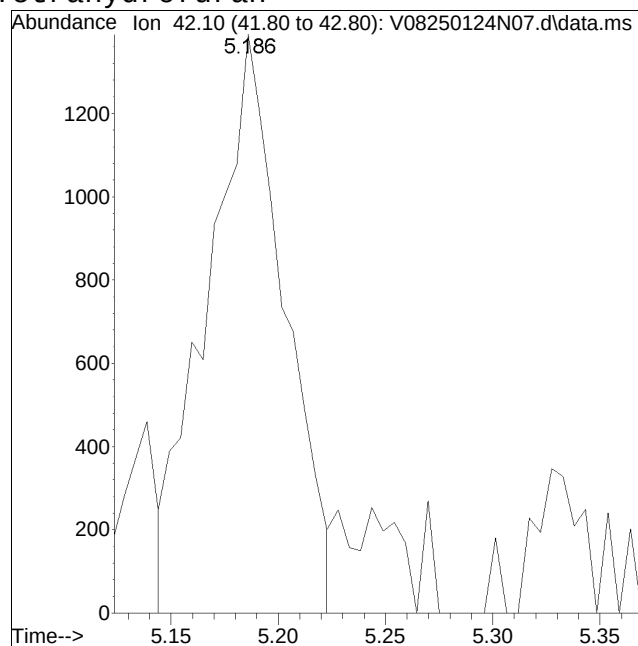
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N07.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 1:18 am Instrument : VOA 108
Sample : I8260STD2PPB Quant Date : 2/17/2025 12:20 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 489

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

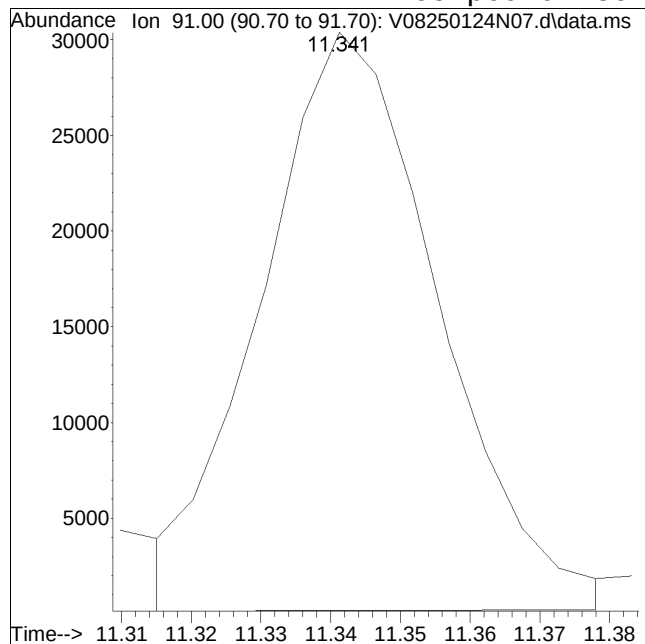


Manual Peak Response = 3496 M6

Manual Integration Report

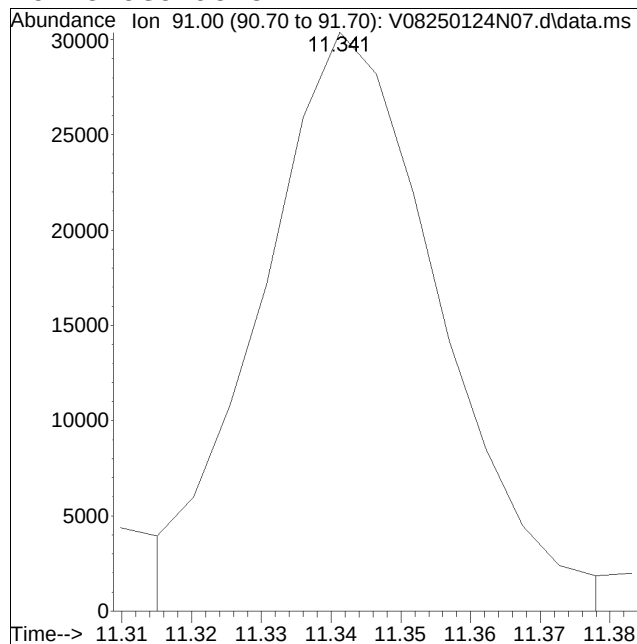
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N07.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 1:18 am Instrument : V0A 108
Sample : I8260STD2PPB Quant Date : 2/17/2025 12:20 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 53359

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



Manual Peak Response = 54067 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N09.d
 Acq On : 25 Jan 2025 2:02 am
 Operator : VOA108:PID
 Sample : I8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:20:43 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	341820	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.527	117	266981	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	12.227	152	134499	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	105163	9.459	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	94.59%	
43) 1,2-Dichloroethane-d4	5.726	65	95354	10.205	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	102.05%	
60) Toluene-d8	7.692	98	349464	10.526	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	105.26%	
83) 4-Bromofluorobenzene	11.021	95	109462	10.712	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	107.12%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	95795	10.008	ug/L	98
3) Chloromethane	1.867	50	104844	9.996	ug/L	99
4) Vinyl chloride	1.930	62	119384	10.231	ug/L	95
5) Bromomethane	2.239	94	103595	9.886	ug/L	98
6) Chloroethane	2.360	64	83646	9.968	ug/L	94
7) Trichlorofluoromethane	2.496	101	239215	9.922	ug/L	99
8) Ethyl ether	2.790	74	56280	9.454	ug/L	63
10) 1,1-Dichloroethene	2.979	96	74046	9.477	ug/L	# 61
11) Carbon disulfide	3.010	76	249641	9.611	ug/L	96
12) Freon-113	3.020	101	74702	9.453	ug/L	95
13) Iodomethane	3.115	142	102392	9.296	ug/L	87
14) Acrolein	3.293	56	7121	9.131	ug/L	100
15) Methylene chloride	3.529	84	83465	9.604	ug/L	71
17) Acetone	3.566	43	12391	9.177	ug/L	97
18) trans-1,2-Dichloroethene	3.681	96	82671	9.507	ug/L	71
19) Methyl acetate	3.686	43	31866	8.563	ug/L	# 78
20) Methyl tert-butyl ether	3.775	73	174750	8.936	ug/L	91
21) tert-Butyl alcohol	3.865	59	13196	46.121	ug/L	# 78
22) Diisopropyl ether	4.132	45	235185	9.340	ug/L	# 87
23) 1,1-Dichloroethane	4.253	63	152206	9.628	ug/L	98
24) Halothane	4.305	117	64815	9.222	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N09.d
 Acq On : 25 Jan 2025 2:02 am
 Operator : VOA108:PID
 Sample : I8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:20:43 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Acrylonitrile	4.295	53	15043	9.455	ug/L	#	81
26) Ethyl tert-butyl ether	4.478	59	209056	9.111	ug/L	#	84
27) Vinyl acetate	4.483	43	153540	8.870	ug/L	#	94
28) cis-1,2-Dichloroethene	4.766	96	93330	9.369	ug/L	#	65
29) 2,2-Dichloropropane	4.871	77	127387	9.649	ug/L		95
30) Bromochloromethane	4.960	128	48445	8.984	ug/L	#	50
31) Cyclohexane	4.966	56	127480	9.412	ug/L	#	51
32) Chloroform	5.034	83	150104	9.327	ug/L		96
33) Ethyl acetate	5.139	43	47325	8.747	ug/L	#	92
34) Carbon tetrachloride	5.165	117	119842	9.269	ug/L		99
35) Tetrahydrofuran	5.181	42	12625M6	8.302	ug/L		
37) 1,1,1-Trichloroethane	5.233	97	134203	9.629	ug/L	#	92
39) 2-Butanone	5.322	43	18337	8.491	ug/L	#	9
40) 1,1-Dichloropropene	5.354	75	104609	9.563	ug/L		95
41) Benzene	5.595	78	309576	9.491	ug/L		90
42) tert-Amyl methyl ether	5.705	73	190569	9.469	ug/L	#	86
44) 1,2-Dichloroethane	5.794	62	97839	9.833	ug/L		97
47) Methyl cyclohexane	6.182	83	119926	8.653	ug/L	#	65
48) Trichloroethene	6.187	95	85477	9.410	ug/L		89
50) Dibromomethane	6.628	93	48726	9.449	ug/L		97
51) 1,2-Dichloropropane	6.727	63	81299	9.646	ug/L		94
53) 2-Chloroethyl vinyl ether	7.414	63	39836	10.081	ug/L	#	88
54) Bromodichloromethane	6.801	83	112526	9.516	ug/L		99
57) 1,4-Dioxane	7.005	88	17080	555.261	ug/L	#	72
58) cis-1,3-Dichloropropene	7.482	75	124718	9.515	ug/L		90
61) Toluene	7.750	92	197695	10.200	ug/L		99
62) 4-Methyl-2-pentanone	8.180	58	17247	10.506	ug/L	#	82
63) Tetrachloroethene	8.195	166	85930	10.042	ug/L		91
65) trans-1,3-Dichloropropene	8.232	75	104539	9.798	ug/L		90
67) Ethyl methacrylate	8.421	69	72815	10.500	ug/L	#	41
68) 1,1,2-Trichloroethane	8.416	83	50774	9.951	ug/L		94
69) Chlorodibromomethane	8.625	129	78432	9.502	ug/L		99
70) 1,3-Dichloropropane	8.735	76	105680	10.007	ug/L		100
71) 1,2-Dibromoethane	8.898	107	59727	10.284	ug/L		99
72) 2-Hexanone	9.181	43	30874	10.541	ug/L	#	94
73) Chlorobenzene	9.548	112	242850	9.924	ug/L		97
74) Ethylbenzene	9.590	91	382908	9.996	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.632	131	80445	9.575	ug/L		95
76) p/m Xylene	9.774	106	294343	18.297	ug/L		92
77) o Xylene	10.314	106	291990	18.227	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N09.d
 Acq On : 25 Jan 2025 2:02 am
 Operator : VOA108:PID
 Sample : I8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:20:43 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	491334	18.010	ug/L	#	85
80)	Bromoform	10.408	173	42092	9.275	ug/L		95
82)	Isopropylbenzene	10.696	105	367362	10.234	ug/L		94
84)	Bromobenzene	11.131	156	98218	10.297	ug/L		98
85)	n-Propylbenzene	11.179	91	424233	9.911	ug/L		94
86)	1,4-Dichlorobutane	11.189	55	85933	10.341	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.263	83	67017	10.331	ug/L		98
88)	4-Ethyltoluene	11.304	105	359526	9.988	ug/L		94
89)	2-Chlorotoluene	11.341	91	251587M4	10.253	ug/L		
90)	1,3,5-Trimethylbenzene	11.399	105	311595	9.814	ug/L		88
91)	1,2,3-Trichloropropane	11.399	75	55353	10.131	ug/L		99
92)	trans-1,4-Dichloro-2-b...	11.451	53	16087	10.140	ug/L	#	67
93)	4-Chlorotoluene	11.525	91	254548	9.966	ug/L	#	85
94)	tert-Butylbenzene	11.740	119	268204	10.033	ug/L		95
97)	1,2,4-Trimethylbenzene	11.818	105	302601	9.869	ug/L		90
98)	sec-Butylbenzene	11.928	105	386949	10.071	ug/L		95
99)	p-Isopropyltoluene	12.086	119	344159	9.801	ug/L		93
100)	1,3-Dichlorobenzene	12.149	146	187972	9.912	ug/L		96
101)	1,4-Dichlorobenzene	12.243	146	191473	9.721	ug/L		96
102)	p-Diethylbenzene	12.458	119	203784	9.539	ug/L		92
103)	n-Butylbenzene	12.516	91	293897	10.075	ug/L		96
104)	1,2-Dichlorobenzene	12.662	146	175150	9.944	ug/L		95
105)	1,2,4,5-Tetramethylben...	13.250	119	317569	9.327	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.438	155	9471	10.244	ug/L		89
107)	1,3,5-Trichlorobenzene	13.475	180	136058	9.706	ug/L		93
108)	Hexachlorobutadiene	14.047	225	53144	9.854	ug/L		95
109)	1,2,4-Trichlorobenzene	14.068	180	120414	9.513	ug/L		98
110)	Naphthalene	14.361	128	240385	10.072	ug/L		100
111)	1,2,3-Trichlorobenzene	14.524	180	108077	9.927	ug/L		99

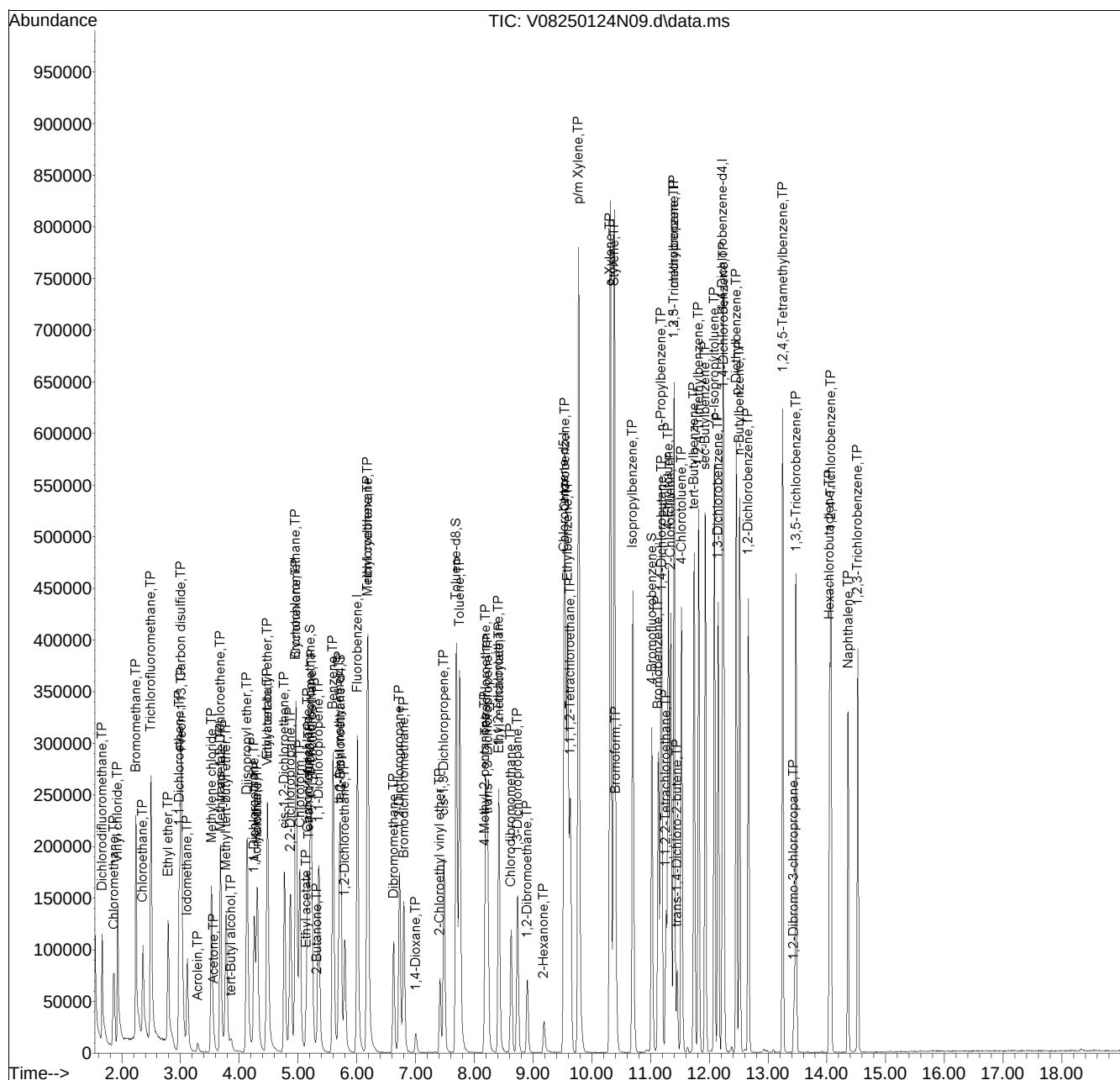
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N09.d
Acq On : 25 Jan 2025 2:02 am
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG2031003,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 17 12:20:43 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

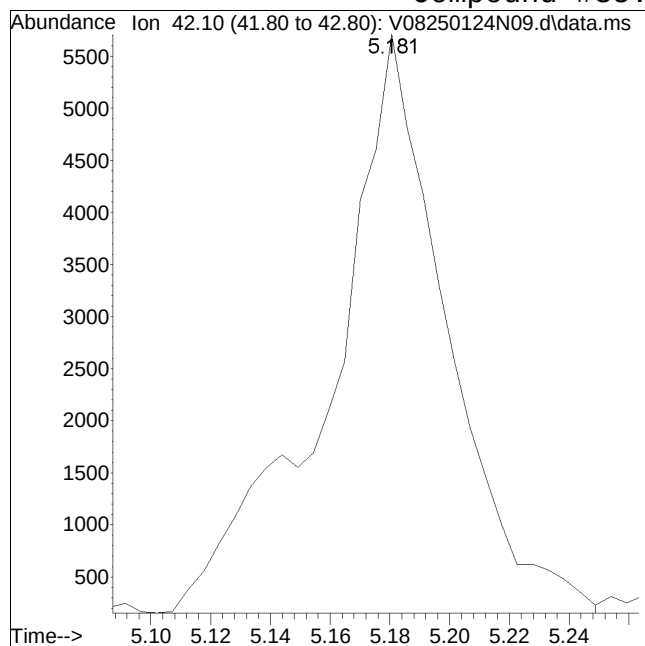
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

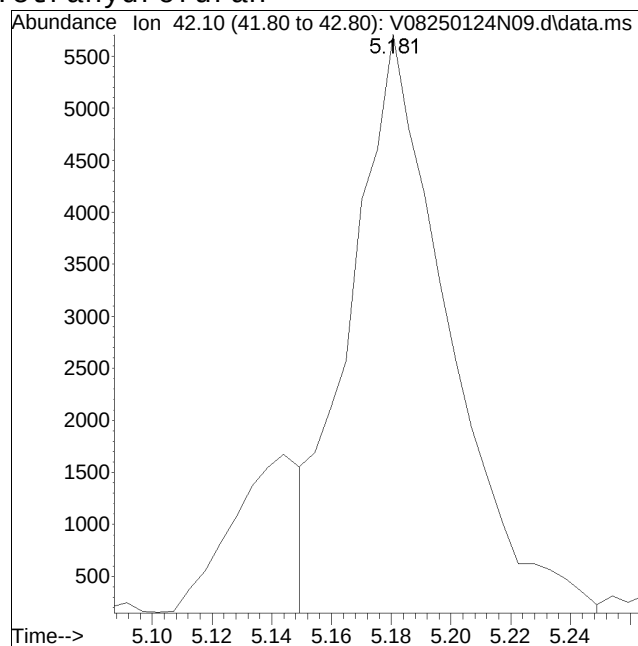
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N09.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 2:02 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 2/17/2025 12:20 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 15029

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

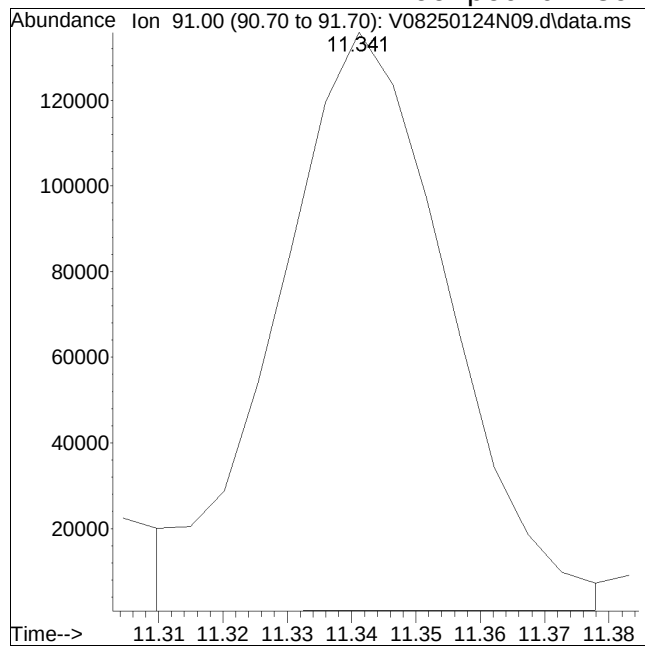


Manual Peak Response = 12625 M6

Manual Integration Report

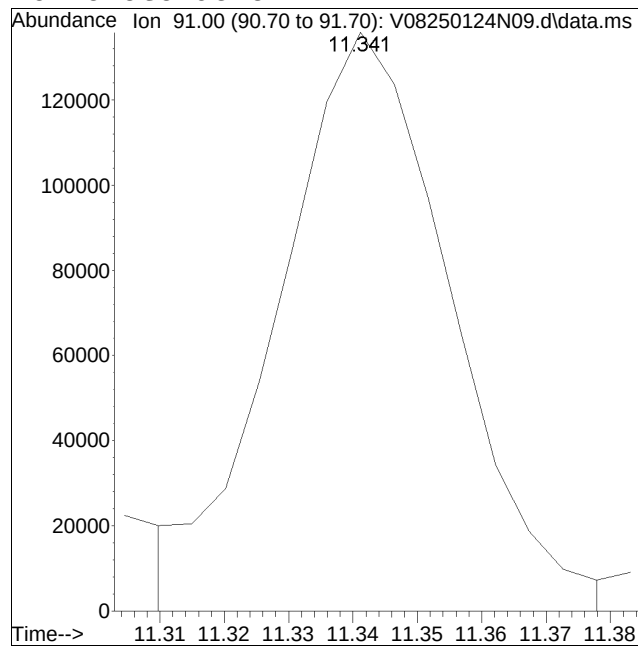
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N09.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 2:02 am Instrument : VOA 108
Sample : I8260STD10PPB Quant Date : 2/17/2025 12:20 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 248111

M4 = Poor automated baseline construction.



Manual Peak Response = 251587 M4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N10.d
 Acq On : 25 Jan 2025 2:25 am
 Operator : VOA108:PID
 Sample : I8260STD30PPB
 Misc : WG2031003,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:20:50 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	355664	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	104.05%	
59) Chlorobenzene-d5	9.527	117	294349	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	110.25%	
79) 1,4-Dichlorobenzene-d4	12.227	152	153939	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	114.45%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	113486	9.810	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.10%	
43) 1,2-Dichloroethane-d4	5.726	65	94344	9.704	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.04%	
60) Toluene-d8	7.692	98	365801	9.993	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.93%	
83) 4-Bromofluorobenzene	11.016	95	120012	10.261	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.61%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	307210	30.846	ug/L	98
3) Chloromethane	1.862	50	315019	28.865	ug/L	100
4) Vinyl chloride	1.930	62	376820	31.035	ug/L	95
5) Bromomethane	2.239	94	333873	30.621	ug/L	98
6) Chloroethane	2.360	64	260286	29.812	ug/L	95
7) Trichlorofluoromethane	2.496	101	781374	31.148	ug/L	99
8) Ethyl ether	2.790	74	183381	29.607	ug/L	61
10) 1,1-Dichloroethene	2.979	96	241574	29.715	ug/L	# 61
11) Carbon disulfide	3.010	76	803209	29.721	ug/L	97
12) Freon-113	3.015	101	246610	29.992	ug/L	94
13) Iodomethane	3.115	142	342816	29.912	ug/L	86
14) Acrolein	3.288	56	22684	27.954	ug/L	94
15) Methylene chloride	3.524	84	259527	28.701	ug/L	70
17) Acetone	3.561	43	37183	28.900	ug/L	95
18) trans-1,2-Dichloroethene	3.676	96	274198	30.305	ug/L	71
19) Methyl acetate	3.681	43	100589	25.978	ug/L	# 77
20) Methyl tert-butyl ether	3.776	73	600783	29.525	ug/L	91
21) tert-Butyl alcohol	3.859	59	42491	142.728	ug/L	# 69
22) Diisopropyl ether	4.132	45	779693	29.759	ug/L	# 89
23) 1,1-Dichloroethane	4.253	63	487583	29.642	ug/L	99
24) Halothane	4.305	117	221743	30.320	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N10.d
 Acq On : 25 Jan 2025 2:25 am
 Operator : VOA108:PID
 Sample : I8260STD30PPB
 Misc : WG2031003,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:20:50 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Acrylonitrile	4.295	53	50484	30.495	ug/L	#	83
26) Ethyl tert-butyl ether	4.473	59	699505	29.297	ug/L	#	85
27) Vinyl acetate	4.483	43	510937	28.369	ug/L	#	93
28) cis-1,2-Dichloroethene	4.767	96	311526	30.055	ug/L	#	64
29) 2,2-Dichloropropane	4.871	77	423103	30.800	ug/L		96
30) Bromochloromethane	4.961	128	161569	28.797	ug/L	#	49
31) Cyclohexane	4.966	56	432914	30.719	ug/L	#	49
32) Chloroform	5.029	83	497471	29.708	ug/L		97
33) Ethyl acetate	5.134	43	158327	28.125	ug/L	#	91
34) Carbon tetrachloride	5.170	117	413947	30.769	ug/L		99
35) Tetrahydrofuran	5.181	42	43547M6	27.522	ug/L		
37) 1,1,1-Trichloroethane	5.233	97	440913	30.405	ug/L	#	90
39) 2-Butanone	5.317	43	58115	25.862	ug/L	#	79
40) 1,1-Dichloropropene	5.354	75	349327	30.692	ug/L		94
41) Benzene	5.595	78	1014733	29.900	ug/L		90
42) tert-Amyl methyl ether	5.705	73	607874	29.029	ug/L	#	86
44) 1,2-Dichloroethane	5.794	62	308937	29.840	ug/L		97
47) Methyl cyclohexane	6.182	83	406979	28.223	ug/L	#	65
48) Trichloroethene	6.187	95	279482	29.569	ug/L		88
50) Dibromomethane	6.623	93	156672	29.198	ug/L		96
51) 1,2-Dichloropropane	6.727	63	261011	29.763	ug/L		95
53) 2-Chloroethyl vinyl ether	7.414	63	127421	30.990	ug/L		86
54) Bromodichloromethane	6.801	83	361913	29.415	ug/L	#	99
57) 1,4-Dioxane	7.005	88	21133	660.280	ug/L	#	70
58) cis-1,3-Dichloropropene	7.482	75	410126	30.070	ug/L		90
61) Toluene	7.750	92	620998	29.060	ug/L		99
62) 4-Methyl-2-pentanone	8.180	58	56417	31.172	ug/L	#	84
63) Tetrachloroethene	8.195	166	278556	29.527	ug/L		91
65) trans-1,3-Dichloropropene	8.227	75	340398	28.937	ug/L		89
67) Ethyl methacrylate	8.416	69	236249	30.900	ug/L	#	40
68) 1,1,2-Trichloroethane	8.416	83	163285	29.027	ug/L		94
69) Chlorodibromomethane	8.625	129	264821	29.100	ug/L		99
70) 1,3-Dichloropropane	8.736	76	332613	28.568	ug/L		100
71) 1,2-Dibromoethane	8.898	107	182958	28.573	ug/L		98
72) 2-Hexanone	9.181	43	100453	31.108	ug/L		97
73) Chlorobenzene	9.548	112	779256	28.883	ug/L		97
74) Ethylbenzene	9.590	91	1233017	29.194	ug/L		96
75) 1,1,1,2-Tetrachloroethane	9.632	131	267040	28.828	ug/L		95
76) p/m Xylene	9.774	106	987820	55.696	ug/L		90
77) o Xylene	10.314	106	974548	55.177	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N10.d
 Acq On : 25 Jan 2025 2:25 am
 Operator : VOA108:PID
 Sample : I8260STD30PPB
 Misc : WG2031003,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:20:50 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.382	104	1669358	55.503	ug/L	# 84
80)	Bromoform	10.403	173	149680	28.818	ug/L	95
82)	Isopropylbenzene	10.696	105	1206518	29.367	ug/L	93
84)	Bromobenzene	11.132	156	316707	29.011	ug/L	98
85)	n-Propylbenzene	11.179	91	1417335	28.929	ug/L	93
86)	1,4-Dichlorobutane	11.189	55	269611	28.347	ug/L	94
87)	1,1,2,2-Tetrachloroethane	11.263	83	218176	29.386	ug/L	100
88)	4-Ethyltoluene	11.299	105	1192593	28.948	ug/L	93
89)	2-Chlorotoluene	11.341	91	825206M6	29.384	ug/L	
90)	1,3,5-Trimethylbenzene	11.399	105	1045442	28.770	ug/L	88
91)	1,2,3-Trichloropropane	11.399	75	171582M1	27.439	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.451	53	51529	28.378	ug/L	# 60
93)	4-Chlorotoluene	11.525	91	845062	28.906	ug/L	# 85
94)	tert-Butylbenzene	11.740	119	880295	28.770	ug/L	95
97)	1,2,4-Trimethylbenzene	11.818	105	1017115	28.984	ug/L	89
98)	sec-Butylbenzene	11.929	105	1284240	29.204	ug/L	95
99)	p-Isopropyltoluene	12.086	119	1147541	28.553	ug/L	92
100)	1,3-Dichlorobenzene	12.149	146	617111	28.433	ug/L	96
101)	1,4-Dichlorobenzene	12.243	146	626953	27.812	ug/L	96
102)	p-Diethylbenzene	12.458	119	697419	28.522	ug/L	91
103)	n-Butylbenzene	12.516	91	981051	29.383	ug/L	96
104)	1,2-Dichlorobenzene	12.663	146	571008	28.326	ug/L	96
105)	1,2,4,5-Tetramethylben...	13.250	119	1090637	27.986	ug/L	95
106)	1,2-Dibromo-3-chloropr...	13.438	155	30216	28.555	ug/L	94
107)	1,3,5-Trichlorobenzene	13.470	180	449125	27.992	ug/L	94
108)	Hexachlorobutadiene	14.047	225	178047	28.846	ug/L	94
109)	1,2,4-Trichlorobenzene	14.068	180	396431	27.364	ug/L	99
110)	Naphthalene	14.356	128	766382	28.057	ug/L	100
111)	1,2,3-Trichlorobenzene	14.524	180	342721	27.503	ug/L	99

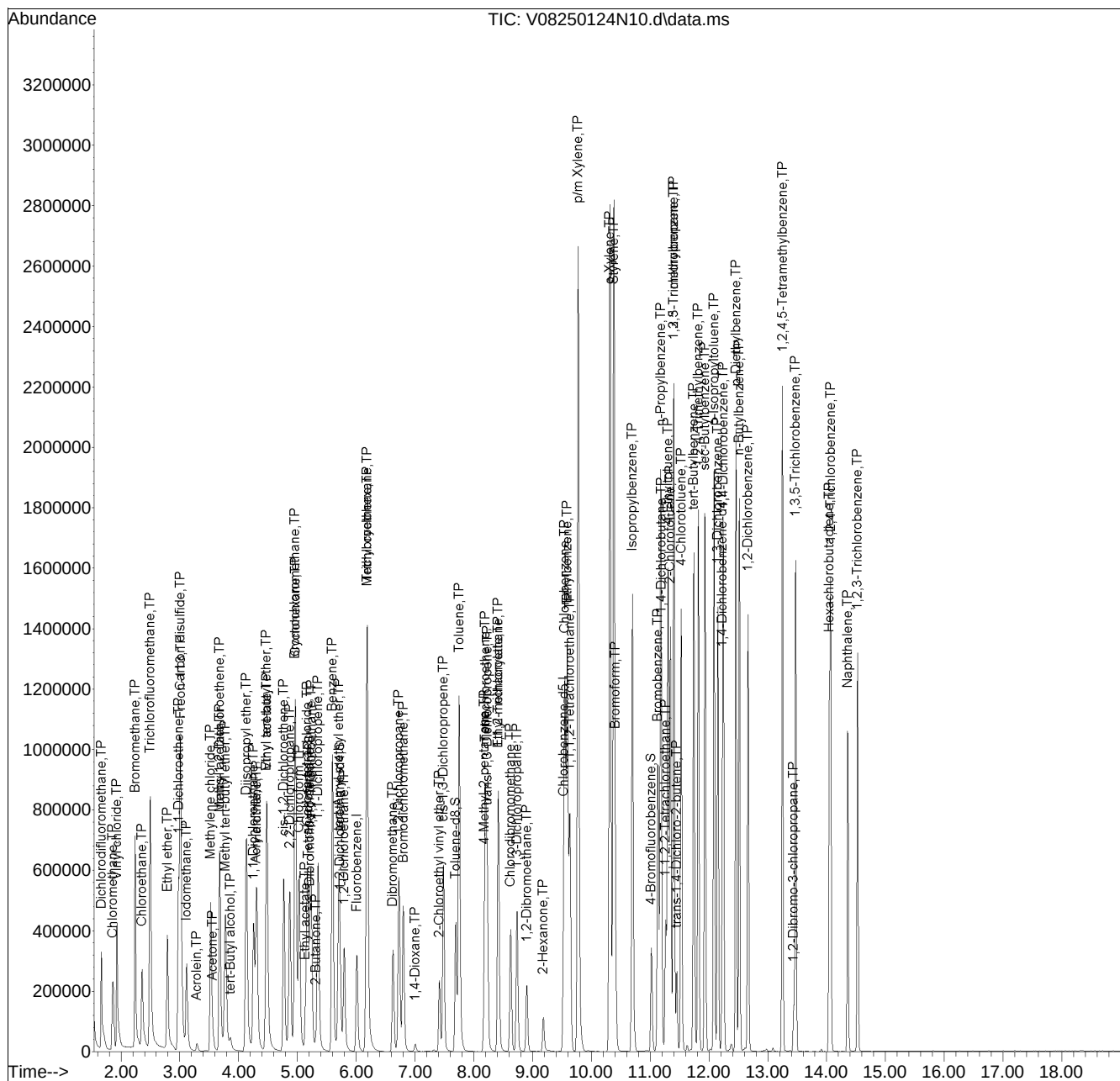
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N10.d
Acq On : 25 Jan 2025 2:25 am
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG2031003, ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 17 12:20:50 2025
Quant Method : K:\V0A108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

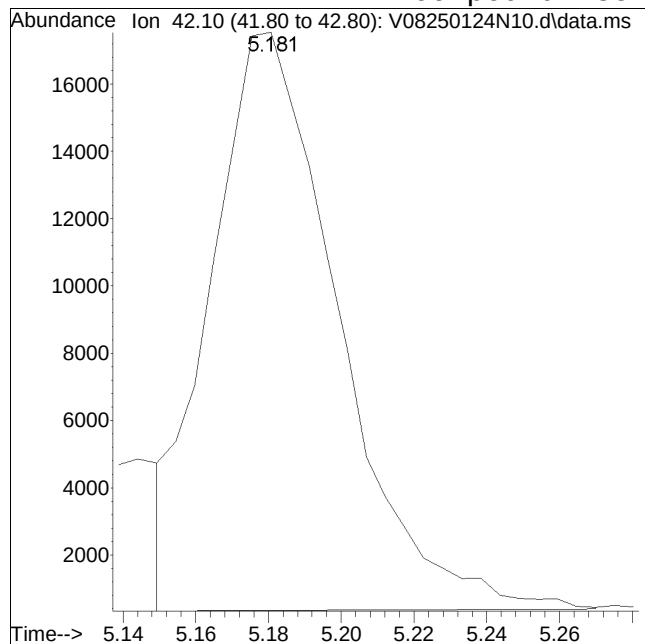
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

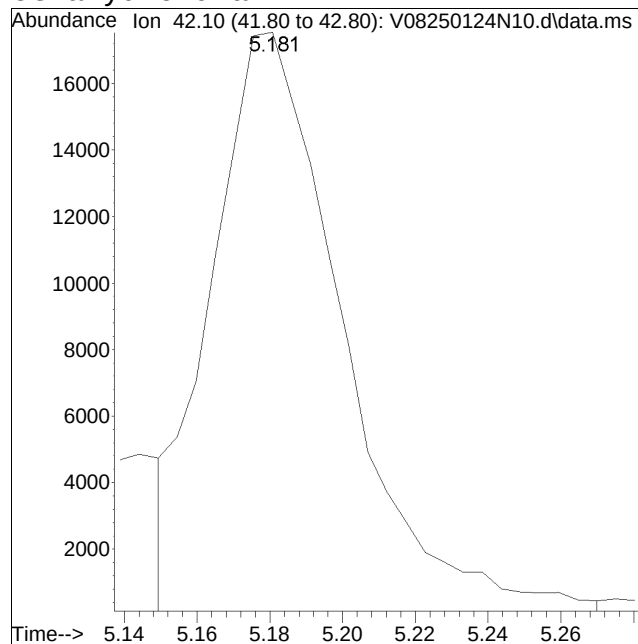
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N10.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 2:25 am Instrument : VOA 108
Sample : I8260STD30PPB Quant Date : 2/17/2025 12:20 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 41882

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

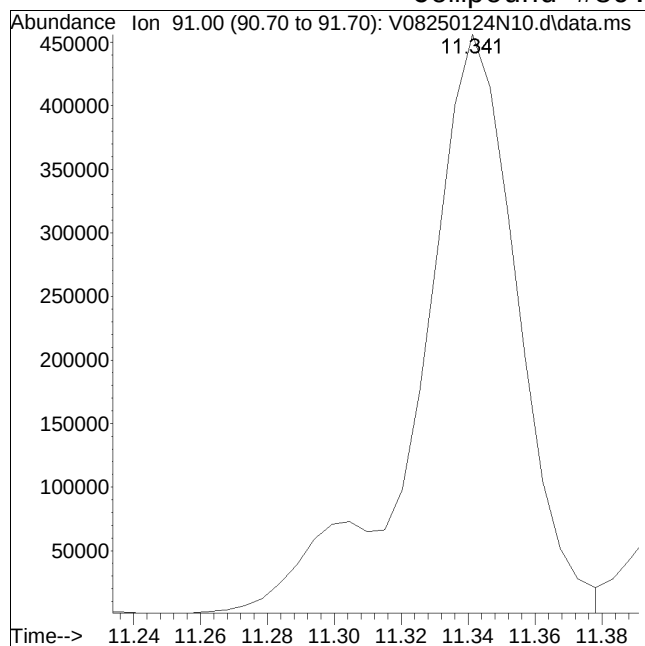


Manual Peak Response = 43547 M6

Manual Integration Report

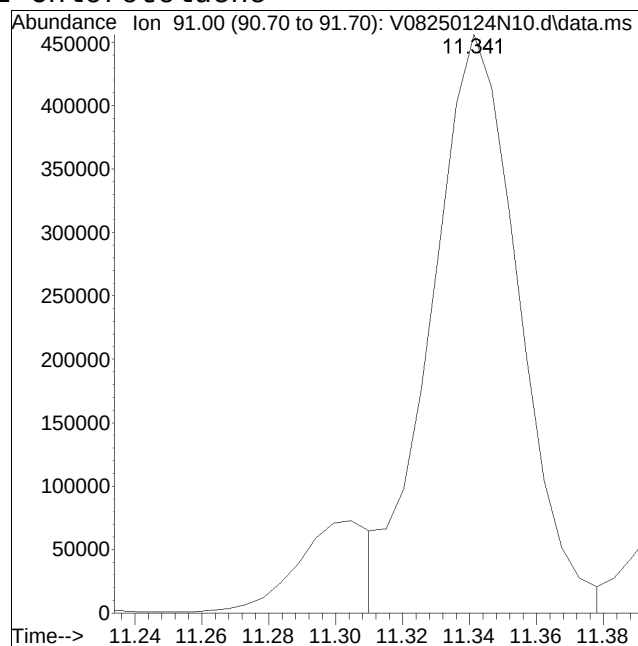
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N10.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 2:25 am Instrument : VOA 108
Sample : I8260STD30PPB Quant Date : 2/17/2025 12:20 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 930543

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

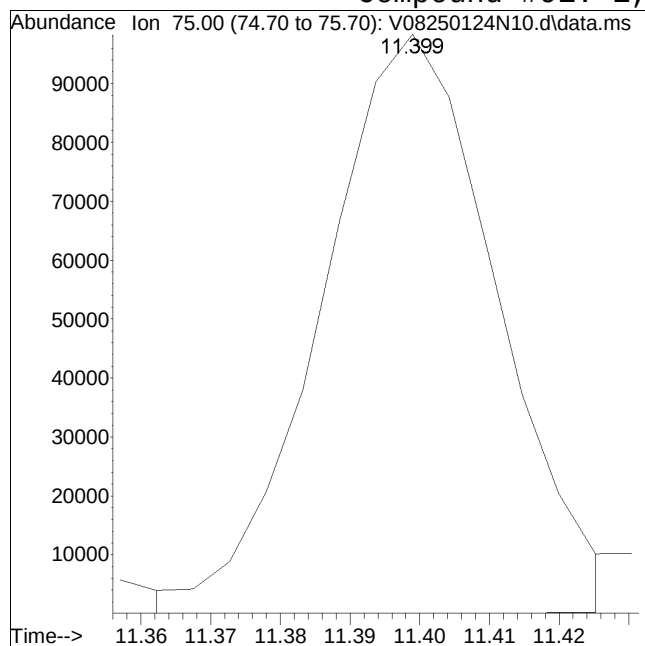


Manual Peak Response = 825206 M6

Manual Integration Report

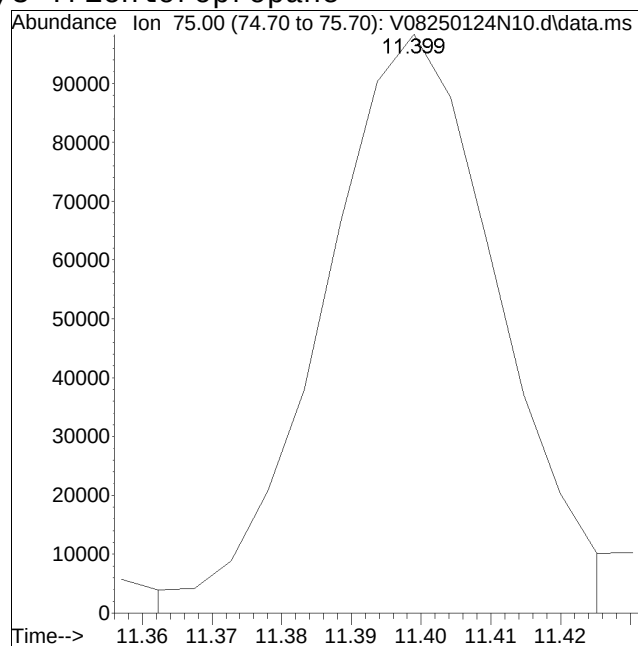
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N10.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 2:25 am Instrument : VOA 108
Sample : I8260STD30PPB Quant Date : 2/17/2025 12:20 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 171107

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



Manual Peak Response = 171582 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N11.d
 Acq On : 25 Jan 2025 2:47 am
 Operator : VOA108:PID
 Sample : I8260STD80PPB
 Misc : WG2031003,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 12:20:58 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	354851	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	103.81%	
59) Chlorobenzene-d5	9.527	117	300984	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	112.74%	
79) 1,4-Dichlorobenzene-d4	12.227	152	166218	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	123.58%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	117124	10.148	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.48%	
43) 1,2-Dichloroethane-d4	5.726	65	98247	10.129	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.29%	
60) Toluene-d8	7.692	98	357892	9.562	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.62%	
83) 4-Bromofluorobenzene	11.021	95	121907	9.653	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.53%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	807998	81.314	ug/L	99
3) Chloromethane	1.862	50	835134	76.698	ug/L	100
4) Vinyl chloride	1.930	62	996987	82.301	ug/L	95
5) Bromomethane	2.239	94	881543	81.036	ug/L	98
6) Chloroethane	2.355	64	693879	79.655	ug/L	96
7) Trichlorofluoromethane	2.496	101	2042182	81.594	ug/L	99
8) Ethyl ether	2.790	74	495226	80.138	ug/L	62
10) 1,1-Dichloroethene	2.979	96	671808	82.826	ug/L #	60
11) Carbon disulfide	3.010	76	2224313	82.493	ug/L	96
12) Freon-113	3.015	101	683844	83.357	ug/L	93
13) Iodomethane	3.115	142	980821	85.776	ug/L	87
14) Acrolein	3.288	56	62502	77.200	ug/L	95
15) Methylene chloride	3.524	84	709909	78.688	ug/L	70
17) Acetone	3.561	43	97496	78.054	ug/L	100
18) trans-1,2-Dichloroethene	3.676	96	745565	82.590	ug/L	71
19) Methyl acetate	3.681	43	276615	71.601	ug/L #	77
20) Methyl tert-butyl ether	3.776	73	1697028	83.591	ug/L	92
21) tert-Butyl alcohol	3.859	59	117917	396.993	ug/L #	74
22) Diisopropyl ether	4.132	45	2155186	82.446	ug/L #	88
23) 1,1-Dichloroethane	4.253	63	1324391	80.699	ug/L	98
24) Halothane	4.305	117	603543	82.716	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N11.d
 Acq On : 25 Jan 2025 2:47 am
 Operator : VOA108:PID
 Sample : I8260STD80PPB
 Misc : WG2031003,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 12:20:58 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.295	53	141052	85.398	ug/L #	84
26) Ethyl tert-butyl ether	4.478	59	1968956	82.655	ug/L #	84
27) Vinyl acetate	4.483	43	1456165	81.037	ug/L #	93
28) cis-1,2-Dichloroethene	4.766	96	841809	81.401	ug/L #	63
29) 2,2-Dichloropropane	4.871	77	1099878	80.249	ug/L	97
30) Bromochloromethane	4.960	128	462455	82.613	ug/L #	46
31) Cyclohexane	4.966	56	1164029	82.788	ug/L #	47
32) Chloroform	5.034	83	1332779	79.774	ug/L	97
33) Ethyl acetate	5.133	43	440174	78.371	ug/L #	91
34) Carbon tetrachloride	5.170	117	1145932	85.373	ug/L	99
35) Tetrahydrofuran	5.175	42	120875M6	76.570	ug/L	
37) 1,1,1-Trichloroethane	5.233	97	1174687	81.192	ug/L #	90
39) 2-Butanone	5.317	43	168514	75.164	ug/L #	78
40) 1,1-Dichloropropene	5.354	75	954726	84.074	ug/L	94
41) Benzene	5.595	78	2786946	82.307	ug/L	90
42) tert-Amyl methyl ether	5.705	73	1683742	80.590	ug/L #	85
44) 1,2-Dichloroethane	5.794	62	832632	80.609	ug/L	96
47) Methyl cyclohexane	6.182	83	1160606	80.669	ug/L #	64
48) Trichloroethene	6.187	95	793976	84.193	ug/L	88
50) Dibromomethane	6.623	93	427030	79.766	ug/L	96
51) 1,2-Dichloropropane	6.727	63	711145	81.278	ug/L	95
53) 2-Chloroethyl vinyl ether	7.414	63	329564	80.336	ug/L #	87
54) Bromodichloromethane	6.801	83	1004173	81.804	ug/L #	99
57) 1,4-Dioxane	7.000	88	26368	825.730	ug/L #	72
58) cis-1,3-Dichloropropene	7.482	75	1140246	83.794	ug/L	91
61) Toluene	7.750	92	1715743	78.519	ug/L	99
62) 4-Methyl-2-pentanone	8.174	58	153444	82.913	ug/L #	84
63) Tetrachloroethene	8.195	166	773547	80.188	ug/L	91
65) trans-1,3-Dichloropropene	8.227	75	965122	80.236	ug/L	89
67) Ethyl methacrylate	8.416	69	642207	82.145	ug/L #	36
68) 1,1,2-Trichloroethane	8.416	83	456032	79.282	ug/L	92
69) Chlorodibromomethane	8.625	129	769865	82.731	ug/L	99
70) 1,3-Dichloropropane	8.735	76	910219	76.454	ug/L	99
71) 1,2-Dibromoethane	8.898	107	509023	77.743	ug/L	98
72) 2-Hexanone	9.181	43	268916	81.442	ug/L	97
73) Chlorobenzene	9.548	112	2177258	78.922	ug/L	96
74) Ethylbenzene	9.590	91	3508765	81.246	ug/L	96
75) 1,1,1,2-Tetrachloroethane	9.632	131	780709	82.423	ug/L	95
76) p/m Xylene	9.774	106	3014999	166.247	ug/L	89
77) o Xylene	10.314	106	3015561	166.972	ug/L	83

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N11.d
 Acq On : 25 Jan 2025 2:47 am
 Operator : VOA108:PID
 Sample : I8260STD80PPB
 Misc : WG2031003,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 12:20:58 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

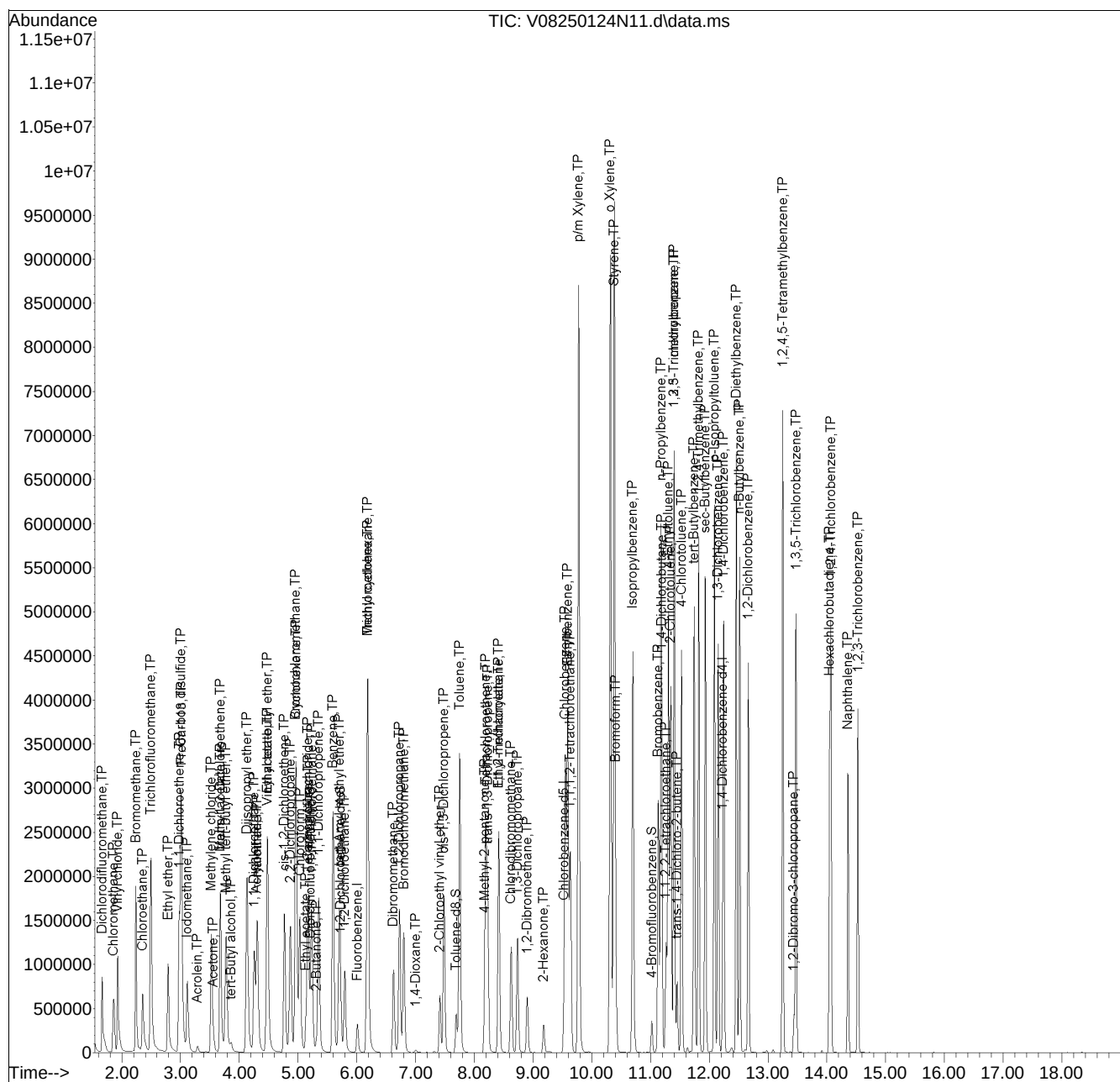
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	5270537	171.371	ug/L	#	83
80)	Bromoform	10.403	173	469844	83.777	ug/L		96
82)	Isopropylbenzene	10.696	105	3549162	80.006	ug/L		94
84)	Bromobenzene	11.132	156	912740	77.433	ug/L		98
85)	n-Propylbenzene	11.179	91	4235321	80.061	ug/L		92
86)	1,4-Dichlorobutane	11.189	55	772083	75.179	ug/L		96
87)	1,1,2,2-Tetrachloroethane	11.263	83	610031	76.095	ug/L		99
88)	4-Ethyltoluene	11.305	105	3559384	80.014	ug/L		93
89)	2-Chlorotoluene	11.341	91	2336946M1	77.068	ug/L		
90)	1,3,5-Trimethylbenzene	11.399	105	3141249	80.059	ug/L		87
91)	1,2,3-Trichloropropane	11.399	75	512242	75.864	ug/L		97
92)	trans-1,4-Dichloro-2-b...	11.451	53	150344	76.680	ug/L	#	63
93)	4-Chlorotoluene	11.525	91	2456781	77.829	ug/L	#	83
94)	tert-Butylbenzene	11.740	119	2626459	79.498	ug/L		94
97)	1,2,4-Trimethylbenzene	11.818	105	3067142	80.946	ug/L		89
98)	sec-Butylbenzene	11.928	105	3792058	79.863	ug/L		94
99)	p-Isopropyltoluene	12.086	119	3485282	80.314	ug/L		92
100)	1,3-Dichlorobenzene	12.149	146	1835352	78.315	ug/L		97
101)	1,4-Dichlorobenzene	12.243	146	1875129	77.036	ug/L		96
102)	p-Diethylbenzene	12.458	119	2149329	81.407	ug/L		91
103)	n-Butylbenzene	12.516	91	2880455	79.897	ug/L		96
104)	1,2-Dichlorobenzene	12.663	146	1680979	77.228	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.250	119	3503374	83.256	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.438	155	85766	75.063	ug/L		91
107)	1,3,5-Trichlorobenzene	13.475	180	1370511	79.108	ug/L		94
108)	Hexachlorobutadiene	14.047	225	519191	77.901	ug/L		96
109)	1,2,4-Trichlorobenzene	14.068	180	1223317	78.204	ug/L		98
110)	Naphthalene	14.356	128	2232953	75.708	ug/L		100
111)	1,2,3-Trichlorobenzene	14.529	180	1034543	76.888	ug/L		99

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

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N11.d
Acq On : 25 Jan 2025 2:47 am
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG2031003,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 17 12:20:58 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

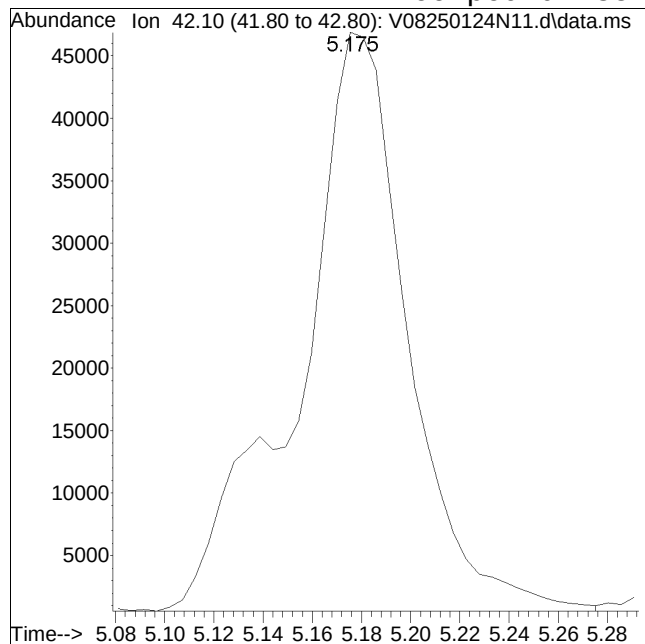
Sub List : 8260-Curve - Megamix plus Diox\VO8250124N09.d•



Manual Integration Report

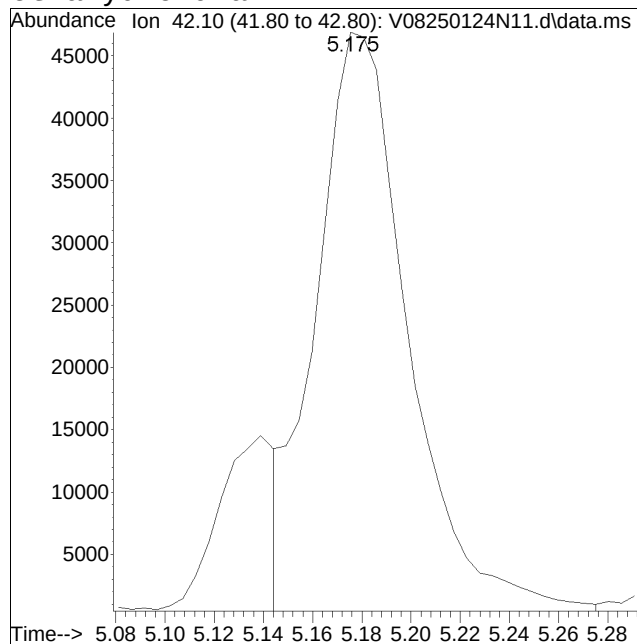
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N11.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 2:47 am Instrument : V0A 108
Sample : I8260STD80PPB Quant Date : 2/17/2025 12:20 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 142034

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

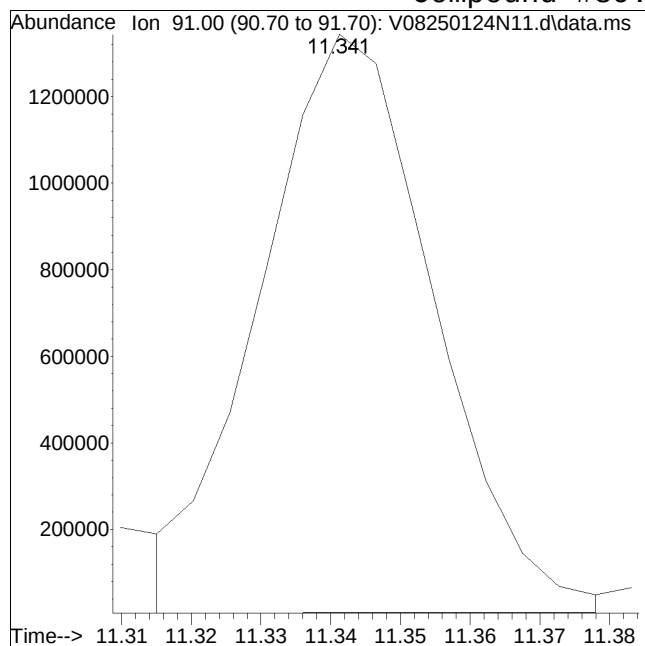


Manual Peak Response = 120875 M6

Manual Integration Report

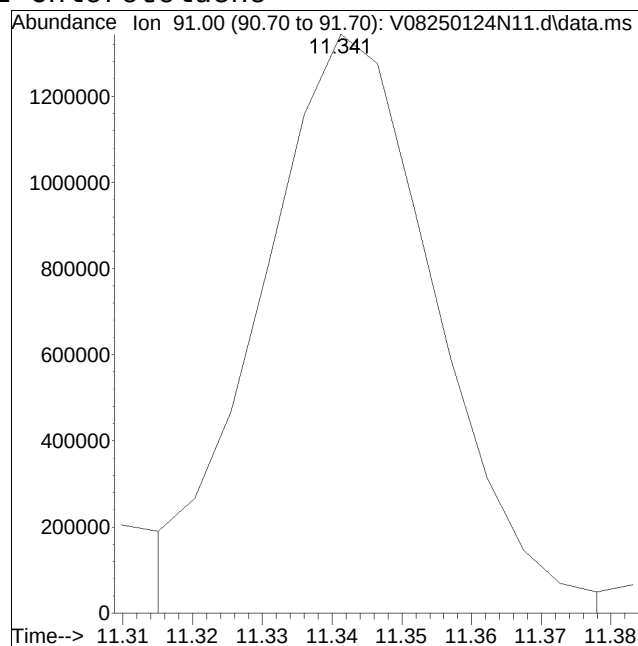
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N11.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 2:47 am Instrument : V0A 108
Sample : I8260STD80PPB Quant Date : 2/17/2025 12:20 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 2306760

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



Manual Peak Response = 2336946 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N12.d
 Acq On : 25 Jan 2025 3:09 am
 Operator : VOA108:PID
 Sample : I8260STD120PPB
 Misc : WG2031003,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 17 12:21:06 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	355021	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	103.86%	
59) Chlorobenzene-d5	9.533	117	296566	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	111.08%	
79) 1,4-Dichlorobenzene-d4	12.227	152	163124	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	121.28%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	121112	10.488	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	104.88%	
43) 1,2-Dichloroethane-d4	5.726	65	101948	10.505	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	105.05%	
60) Toluene-d8	7.692	98	348553	9.451	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	94.51%	
83) 4-Bromofluorobenzene	11.022	95	114496	9.238	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	92.38%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	1235400	124.267	ug/L	99
3) Chloromethane	1.862	50	1305053	119.798	ug/L	98
4) Vinyl chloride	1.930	62	1561670	128.854	ug/L	95
5) Bromomethane	2.239	94	1352175	124.240	ug/L	99
6) Chloroethane	2.355	64	1063854	122.068	ug/L	96
7) Trichlorofluoromethane	2.496	101	3164792	126.387	ug/L	99
8) Ethyl ether	2.790	74	762006	123.249	ug/L	62
10) 1,1-Dichloroethene	2.979	96	1062194	130.894	ug/L	# 59
11) Carbon disulfide	3.010	76	3540464	131.243	ug/L	96
12) Freon-113	3.015	101	1096133	133.550	ug/L	93
13) Iodomethane	3.115	142	1586186	138.650	ug/L	87
14) Acrolein	3.293	56	99162	122.423	ug/L	95
15) Methylene chloride	3.524	84	1099620	121.826	ug/L	70
17) Acetone	3.561	43	147177	118.429	ug/L	98
18) trans-1,2-Dichloroethene	3.676	96	1162372	128.700	ug/L	70
19) Methyl acetate	3.681	43	435339	112.633	ug/L	# 78
20) Methyl tert-butyl ether	3.776	73	2613455	128.670	ug/L	91
21) tert-Butyl alcohol	3.860	59	189655	638.208	ug/L	# 70
22) Diisopropyl ether	4.132	45	3302924	126.292	ug/L	# 87
23) 1,1-Dichloroethane	4.253	63	2041682	124.346	ug/L	98
24) Halothane	4.305	117	941673	128.995	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N12.d
 Acq On : 25 Jan 2025 3:09 am
 Operator : VOA108:PID
 Sample : I8260STD120PPB
 Misc : WG2031003,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 17 12:21:06 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.295	53	217422	131.573	ug/L #	83
26) Ethyl tert-butyl ether	4.478	59	3073058	128.942	ug/L #	84
27) Vinyl acetate	4.483	43	2273731	126.475	ug/L #	93
28) cis-1,2-Dichloroethene	4.772	96	1274090	123.142	ug/L #	65
29) 2,2-Dichloropropane	4.871	77	1685554	122.921	ug/L	97
30) Bromochloromethane	4.961	128	729714	130.293	ug/L #	46
31) Cyclohexane	4.966	56	1821213	129.466	ug/L #	46
32) Chloroform	5.029	83	2054969	122.943	ug/L	97
33) Ethyl acetate	5.134	43	672355	119.653	ug/L #	91
34) Carbon tetrachloride	5.170	117	1802525	134.225	ug/L	99
35) Tetrahydrofuran	5.181	42	177715M1	112.522	ug/L	
37) 1,1,1-Trichloroethane	5.233	97	1823111	125.949	ug/L #	90
39) 2-Butanone	5.317	43	260508	116.141	ug/L #	77
40) 1,1-Dichloropropene	5.354	75	1479779	130.248	ug/L	94
41) Benzene	5.595	78	4323027	127.611	ug/L	90
42) tert-Amyl methyl ether	5.705	73	2594182	124.108	ug/L #	86
44) 1,2-Dichloroethane	5.794	62	1281571	124.012	ug/L	97
47) Methyl cyclohexane	6.182	83	1838190	127.704	ug/L #	64
48) Trichloroethene	6.187	95	1275287	135.167	ug/L #	87
50) Dibromomethane	6.623	93	663812	123.936	ug/L	96
51) 1,2-Dichloropropane	6.728	63	1099842	125.643	ug/L	96
53) 2-Chloroethyl vinyl ether	7.414	63	507747	123.711	ug/L #	87
54) Bromodichloromethane	6.801	83	1565391	127.461	ug/L #	99
57) 1,4-Dioxane	7.005	88	39903	1248.988	ug/L #	69
58) cis-1,3-Dichloropropene	7.482	75	1769326	129.961	ug/L	91
61) Toluene	7.750	92	2654134	123.273	ug/L	99
62) 4-Methyl-2-pentanone	8.180	58	227014	124.494	ug/L #	82
63) Tetrachloroethene	8.196	166	1213240	127.642	ug/L	91
65) trans-1,3-Dichloropropene	8.227	75	1511156	127.503	ug/L	89
67) Ethyl methacrylate	8.416	69	973321	126.352	ug/L #	33
68) 1,1,2-Trichloroethane	8.416	83	715366	126.221	ug/L	93
69) Chlorodibromomethane	8.625	129	1220533	133.115	ug/L	99
70) 1,3-Dichloropropane	8.736	76	1407549	119.989	ug/L	100
71) 1,2-Dibromoethane	8.898	107	785109	121.697	ug/L	98
72) 2-Hexanone	9.181	43	400639	123.142	ug/L	97
73) Chlorobenzene	9.548	112	3429470	126.164	ug/L	95
74) Ethylbenzene	9.590	91	5512658	129.548	ug/L	96
75) 1,1,1,2-Tetrachloroethane	9.632	131	1243488	133.236	ug/L	95
76) p/m Xylene	9.779	106	5007514	280.228	ug/L	87
77) o Xylene	10.319	106	5030322	282.678	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N12.d
 Acq On : 25 Jan 2025 3:09 am
 Operator : VOA108:PID
 Sample : I8260STD120PPB
 Misc : WG2031003,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 17 12:21:06 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	8756745	288.967	ug/L	#	83
80)	Bromoform	10.408	173	783095	142.281	ug/L		95
82)	Isopropylbenzene	10.696	105	5699709	130.921	ug/L		93
84)	Bromobenzene	11.132	156	1456263	125.887	ug/L		98
85)	n-Propylbenzene	11.179	91	6830109	131.559	ug/L		91
86)	1,4-Dichlorobutane	11.189	55	1207980	119.855	ug/L		97
87)	1,1,2,2-Tetrachloroethane	11.263	83	934847	118.824	ug/L		99
88)	4-Ethyltoluene	11.305	105	5727813	131.202	ug/L		93
89)	2-Chlorotoluene	11.341	91	3720265M1	125.014	ug/L		
90)	1,3,5-Trimethylbenzene	11.399	105	5142817	133.558	ug/L	#	86
91)	1,2,3-Trichloropropane	11.399	75	816565	123.228	ug/L		95
92)	trans-1,4-Dichloro-2-b...	11.451	53	234142	121.684	ug/L	#	62
93)	4-Chlorotoluene	11.525	91	3923028	126.636	ug/L	#	83
94)	tert-Butylbenzene	11.740	119	4230175	130.468	ug/L		94
97)	1,2,4-Trimethylbenzene	11.818	105	4934765	132.705	ug/L		88
98)	sec-Butylbenzene	11.934	105	6062246	130.096	ug/L		93
99)	p-Isopropyltoluene	12.086	119	5670180	133.140	ug/L		92
100)	1,3-Dichlorobenzene	12.149	146	2955051	128.484	ug/L		97
101)	1,4-Dichlorobenzene	12.243	146	3012165	126.095	ug/L		96
102)	p-Diethylbenzene	12.458	119	3522134	135.933	ug/L		91
103)	n-Butylbenzene	12.516	91	4549226	128.578	ug/L	#	96
104)	1,2-Dichlorobenzene	12.663	146	2706717	126.711	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.250	119	5876068	142.290	ug/L		95
106)	1,2-Dibromo-3-chloropr...	13.439	155	135602	120.931	ug/L		93
107)	1,3,5-Trichlorobenzene	13.475	180	2249051	132.281	ug/L		94
108)	Hexachlorobutadiene	14.047	225	853021	130.418	ug/L		95
109)	1,2,4-Trichlorobenzene	14.068	180	2018556	131.489	ug/L		98
110)	Naphthalene	14.356	128	3551974	122.714	ug/L		100
111)	1,2,3-Trichlorobenzene	14.529	180	1693957	128.284	ug/L		99

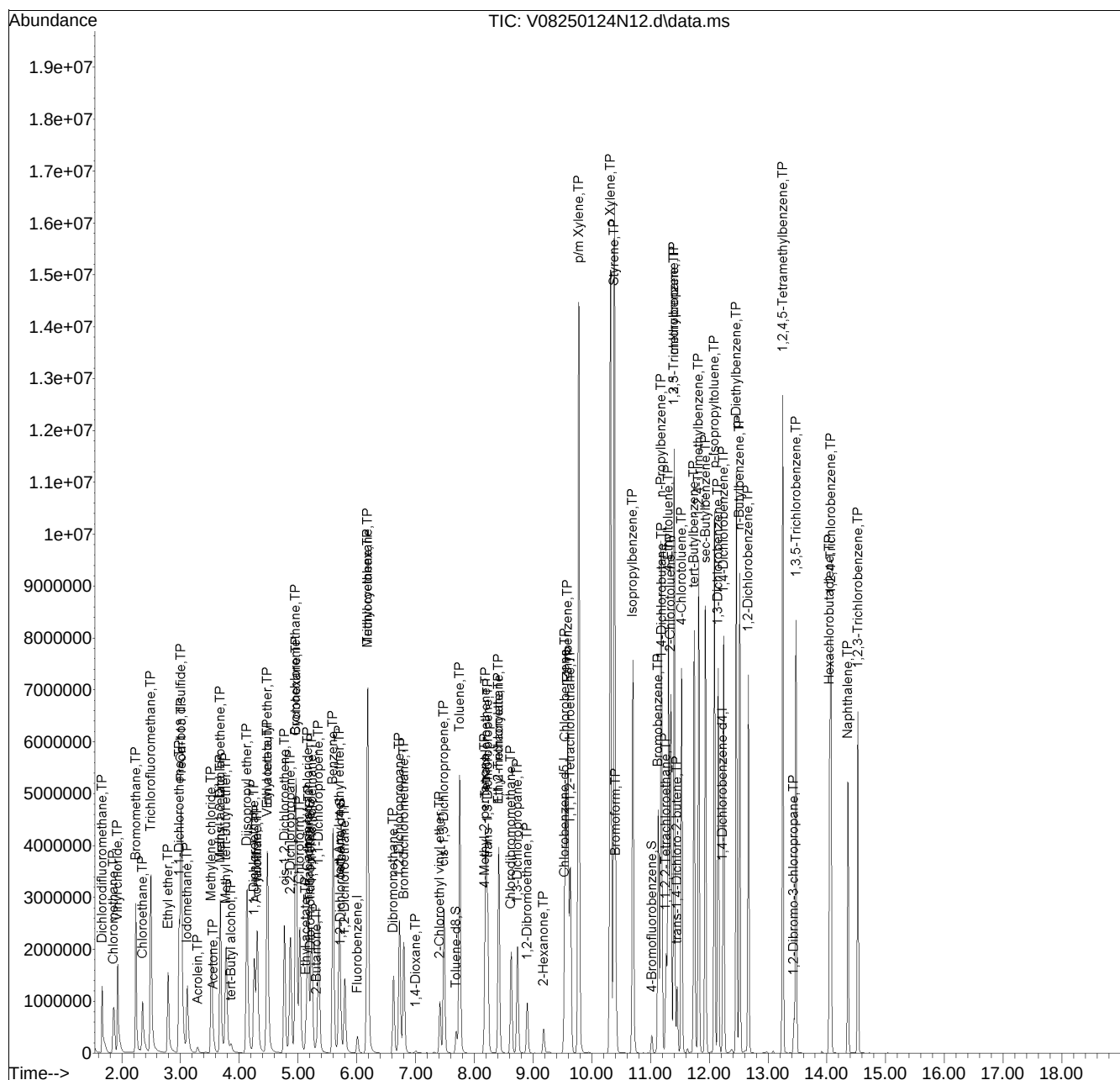
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N12.d
Acq On : 25 Jan 2025 3:09 am
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG2031003, ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 17 12:21:06 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

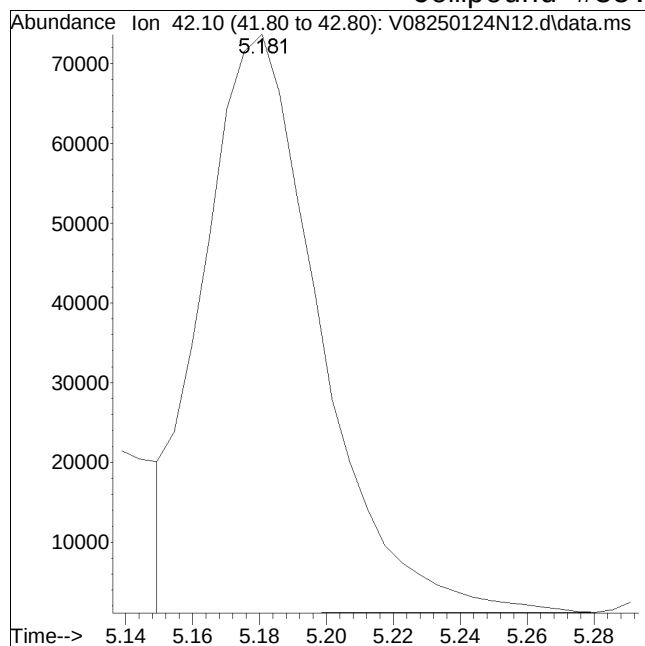
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

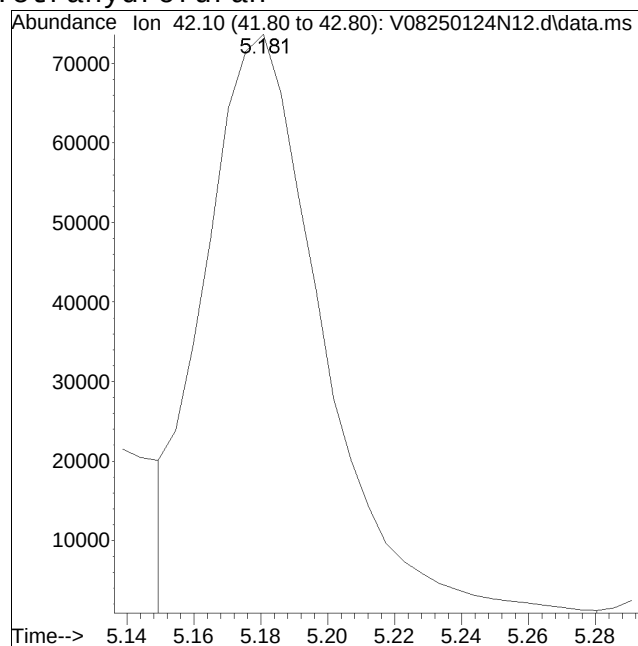
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N12.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 3:09 am Instrument : VOA 108
Sample : I8260STD120PPB Quant Date : 2/17/2025 12:21 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 175537

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

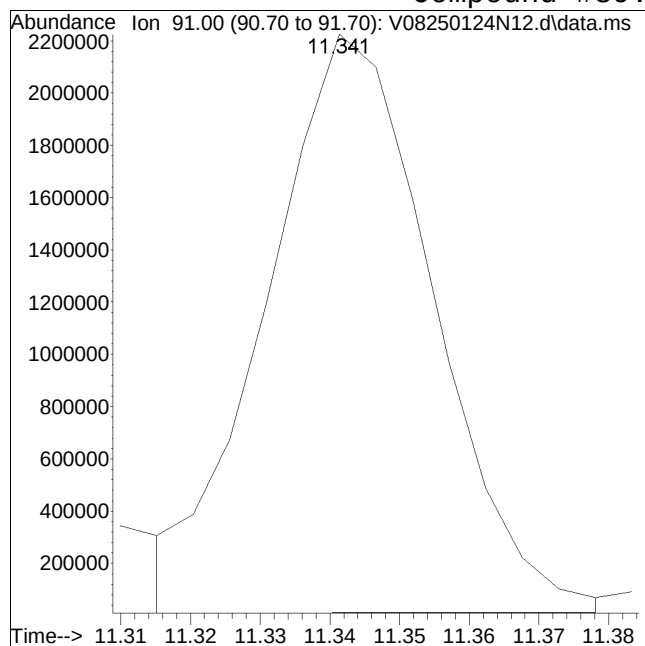


Manual Peak Response = 177715 M1

Manual Integration Report

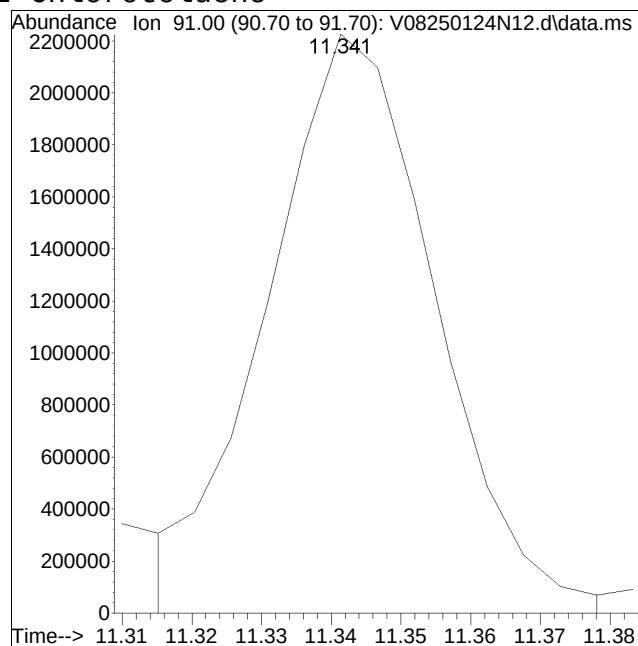
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N12.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 3:09 am Instrument : VOA 108
Sample : I8260STD120PPB Quant Date : 2/17/2025 12:21 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 3676758

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



Manual Peak Response = 3720265 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N13.d
 Acq On : 25 Jan 2025 3:32 am
 Operator : VOA108:PID
 Sample : I8260STD200PPB
 Misc : WG2031003,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 17 12:21:13 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.014	96	352189	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	103.03%	
59) Chlorobenzene-d5	9.532	117	307744	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	115.27%	
79) 1,4-Dichlorobenzene-d4	12.233	152	172507	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	128.26%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	126125	11.010	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	110.10%	
43) 1,2-Dichloroethane-d4	5.726	65	103688	10.770	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	107.70%	
60) Toluene-d8	7.692	98	341917	8.934	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.34%	
83) 4-Bromofluorobenzene	11.021	95	113283	8.643	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	86.43%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	2052466	208.115	ug/L	99
3) Chloromethane	1.862	50	2173656	201.137	ug/L	99
4) Vinyl chloride	1.930	62	2605261	216.689	ug/L	95
5) Bromomethane	2.239	94	2356855	218.293	ug/L	98
6) Chloroethane	2.349	64	1794948	207.611	ug/L	96
7) Trichlorofluoromethane	2.496	101	5261720	211.817	ug/L	99
8) Ethyl ether	2.790	74	1283936	209.337	ug/L	61
10) 1,1-Dichloroethene	2.979	96	1855973	230.550	ug/L	# 59
11) Carbon disulfide	3.010	76	6227427	232.703	ug/L	96
12) Freon-113	3.015	101	1935309	237.688	ug/L	91
13) Iodomethane	3.115	142	2739317	241.372	ug/L	87
14) Acrolein	3.293	56	178277	221.866	ug/L	94
15) Methylene chloride	3.524	84	1913582	213.708	ug/L	70
17) Acetone	3.561	43	251798	205.179	ug/L	100
18) trans-1,2-Dichloroethene	3.676	96	2077499	231.875	ug/L	70
19) Methyl acetate	3.681	43	773432	201.715	ug/L	# 78
20) Methyl tert-butyl ether	3.776	73	4559300	226.275	ug/L	91
21) tert-Butyl alcohol	3.859	59	336675	1142.056	ug/L	# 70
22) Diisopropyl ether	4.132	45	5797922	223.474	ug/L	# 87
23) 1,1-Dichloroethane	4.253	63	3566562	218.964	ug/L	98
24) Halothane	4.305	117	1680257	232.020	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N13.d
 Acq On : 25 Jan 2025 3:32 am
 Operator : VOA108:PID
 Sample : I8260STD200PPB
 Misc : WG2031003,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 17 12:21:13 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Acrylonitrile	4.295	53	382874	233.559	ug/L	#	84
26) Ethyl tert-butyl ether	4.478	59	5461249	230.991	ug/L	#	84
27) Vinyl acetate	4.483	43	4046474	226.893	ug/L	#	93
28) cis-1,2-Dichloroethene	4.766	96	2258719	220.063	ug/L	#	65
29) 2,2-Dichloropropane	4.871	77	2939604	216.099	ug/L		97
30) Bromochloromethane	4.960	128	1307224	235.287	ug/L	#	43
31) Cyclohexane	4.966	56	3180851	227.937	ug/L	#	44
32) Chloroform	5.029	83	3566338	215.079	ug/L		97
33) Ethyl acetate	5.133	43	1159722	208.045	ug/L	#	91
34) Carbon tetrachloride	5.170	117	3250073	243.962	ug/L		99
35) Tetrahydrofuran	5.175	42	319431M6	203.878	ug/L		
37) 1,1,1-Trichloroethane	5.233	97	3210434	223.575	ug/L	#	90
39) 2-Butanone	5.317	43	464232	208.631	ug/L	#	79
40) 1,1-Dichloropropene	5.354	75	2602773	230.934	ug/L		93
41) Benzene	5.595	78	7718660	229.679	ug/L		90
42) tert-Amyl methyl ether	5.705	73	4527468	218.340	ug/L	#	86
44) 1,2-Dichloroethane	5.794	62	2238545	218.356	ug/L		97
47) Methyl cyclohexane	6.182	83	3371177	236.088	ug/L	#	63
48) Trichloroethene	6.187	95	2392754	255.645	ug/L	#	86
50) Dibromomethane	6.622	93	1178592	221.817	ug/L		96
51) 1,2-Dichloropropane	6.727	63	1921047	221.220	ug/L		96
53) 2-Chloroethyl vinyl ether	7.414	63	853758	209.689	ug/L	#	87
54) Bromodichloromethane	6.801	83	2747930	225.549	ug/L	#	99
57) 1,4-Dioxane	7.005	88	66582	2100.815	ug/L	#	69
58) cis-1,3-Dichloropropene	7.488	75	3105780	229.961	ug/L		92
61) Toluene	7.750	92	4746512	212.448	ug/L		98
62) 4-Methyl-2-pentanone	8.180	58	377119	199.299	ug/L	#	82
63) Tetrachloroethene	8.201	166	2230378	226.129	ug/L		91
65) trans-1,3-Dichloropropene	8.227	75	2655836	215.945	ug/L		90
67) Ethyl methacrylate	8.416	69	1586979	198.532	ug/L	#	25
68) 1,1,2-Trichloroethane	8.416	83	1268665	215.715	ug/L		92
69) Chlorodibromomethane	8.625	129	2175826	228.682	ug/L		99
70) 1,3-Dichloropropane	8.735	76	2427707	199.437	ug/L		99
71) 1,2-Dibromoethane	8.903	107	1363193	203.628	ug/L		97
72) 2-Hexanone	9.181	43	628726	186.229	ug/L		97
73) Chlorobenzene	9.548	112	6204849	219.974	ug/L		94
74) Ethylbenzene	9.590	91	9874901	223.632	ug/L		95
75) 1,1,1,2-Tetrachloroethane	9.637	131	2300690	237.559	ug/L		95
76) p/m Xylene	9.779	106	9496052	512.111	ug/L		80
77) o Xylene	10.319	106	9477210	513.227	ug/L		72

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N13.d
 Acq On : 25 Jan 2025 3:32 am
 Operator : VOA108:PID
 Sample : I8260STD200PPB
 Misc : WG2031003,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 17 12:21:13 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.382	104	15652819	497.770	ug/L	87
80)	Bromoform	10.408	173	1477915	253.918	ug/L	96
82)	Isopropylbenzene	10.696	105	10409687	226.102	ug/L	92
84)	Bromobenzene	11.131	156	2643500	216.089	ug/L	99
85)	n-Propylbenzene	11.179	91	12351836	224.976	ug/L #	88
86)	1,4-Dichlorobutane	11.189	55	2135694	200.376	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.263	83	1604492	192.846	ug/L	98
88)	4-Ethyltoluene	11.305	105	10589221	229.366	ug/L	91
89)	2-Chlorotoluene	11.346	91	6827513M1	216.949	ug/L	
90)	1,3,5-Trimethylbenzene	11.404	105	9710623	238.466	ug/L #	85
91)	1,2,3-Trichloropropane	11.399	75	1490238	212.660	ug/L	93
92)	trans-1,4-Dichloro-2-b...	11.451	53	405767	199.408	ug/L #	63
93)	4-Chlorotoluene	11.530	91	7195454	219.637	ug/L #	82
94)	tert-Butylbenzene	11.740	119	7981274	232.772	ug/L	94
97)	1,2,4-Trimethylbenzene	11.818	105	9210830	234.224	ug/L	87
98)	sec-Butylbenzene	11.934	105	11111845	225.491	ug/L	91
99)	p-Isopropyltoluene	12.086	119	10630467	236.035	ug/L	92
100)	1,3-Dichlorobenzene	12.154	146	5600197	230.249	ug/L	97
101)	1,4-Dichlorobenzene	12.243	146	5670683	224.475	ug/L	96
102)	p-Diethylbenzene	12.458	119	6781764	247.499	ug/L	91
103)	n-Butylbenzene	12.516	91	8432294	225.366	ug/L #	95
104)	1,2-Dichlorobenzene	12.668	146	5056374	223.832	ug/L	96
105)	1,2,4,5-Tetramethylben...	13.250	119	11107862	254.348	ug/L	93
106)	1,2-Dibromo-3-chloropr...	13.438	155	239432	201.913	ug/L	92
107)	1,3,5-Trichlorobenzene	13.475	180	4386335	243.957	ug/L	93
108)	Hexachlorobutadiene	14.047	225	1684156	243.484	ug/L	95
109)	1,2,4-Trichlorobenzene	14.068	180	3938070	242.573	ug/L	98
110)	Naphthalene	14.356	128	6496489	212.233	ug/L	100
111)	1,2,3-Trichlorobenzene	14.529	180	3202847	229.361	ug/L	99

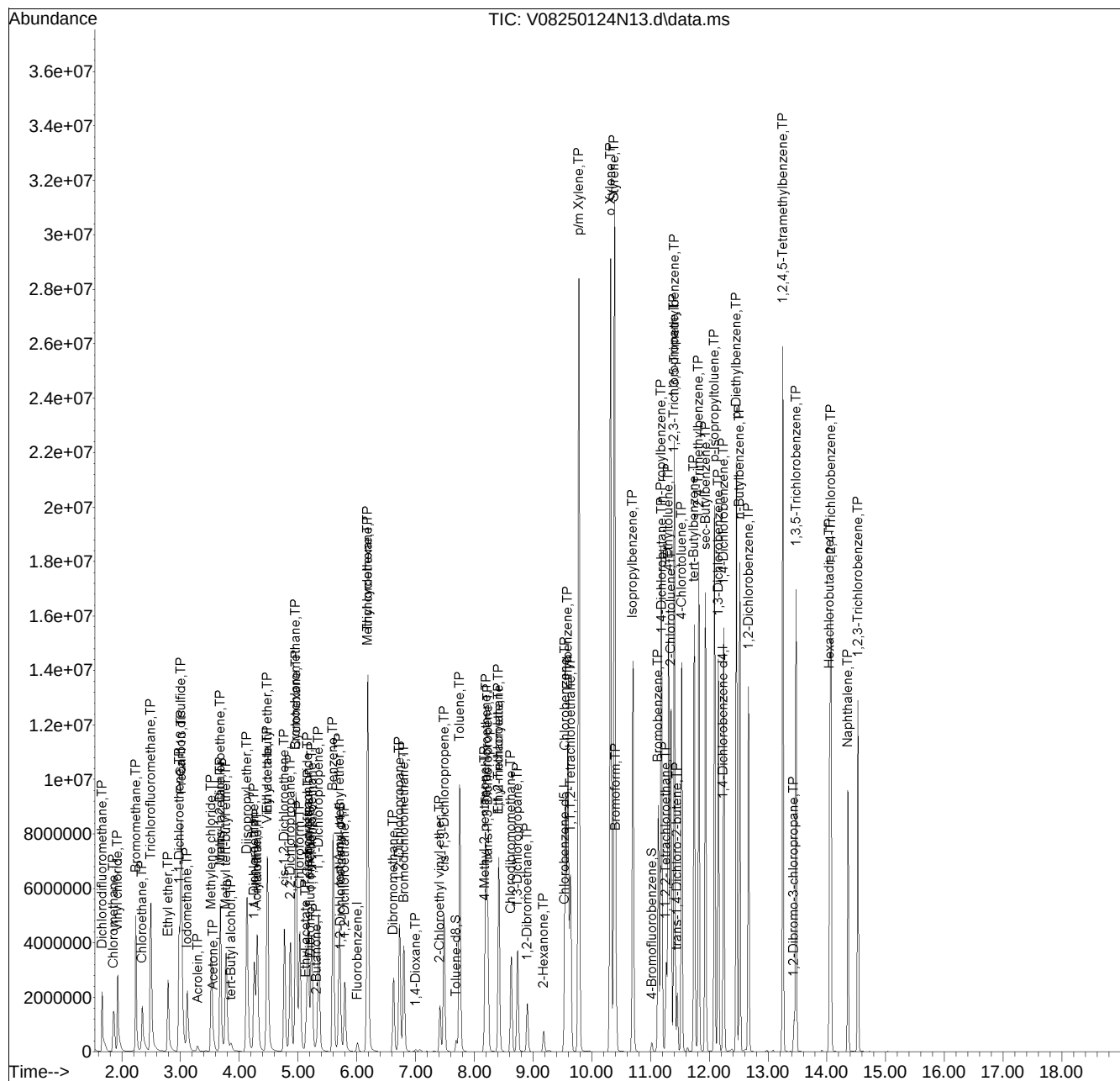
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N13.d
Acq On : 25 Jan 2025 3:32 am
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG2031003, ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 17 12:21:13 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

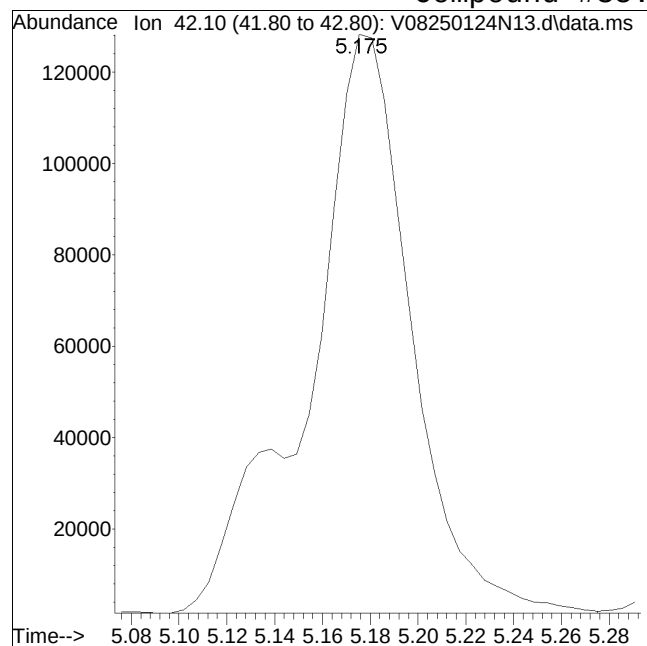
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

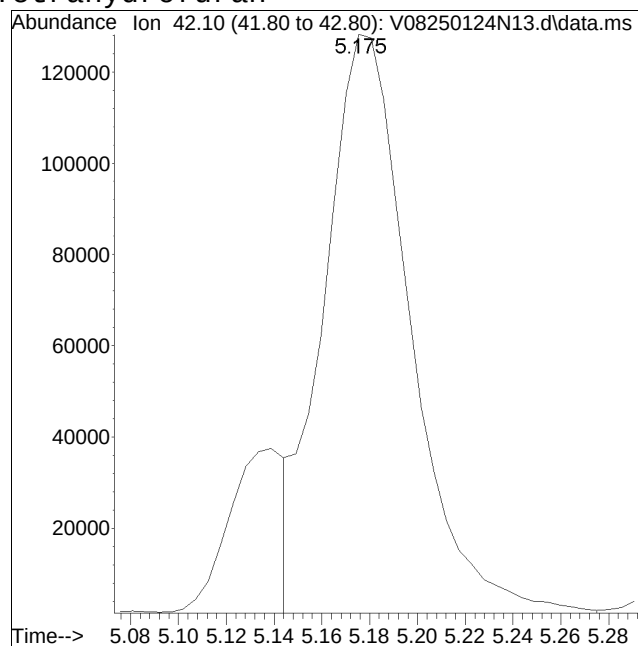
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N13.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 3:32 am Instrument : VOA 108
Sample : I8260STD200PPB Quant Date : 2/17/2025 12:21 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 376520

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

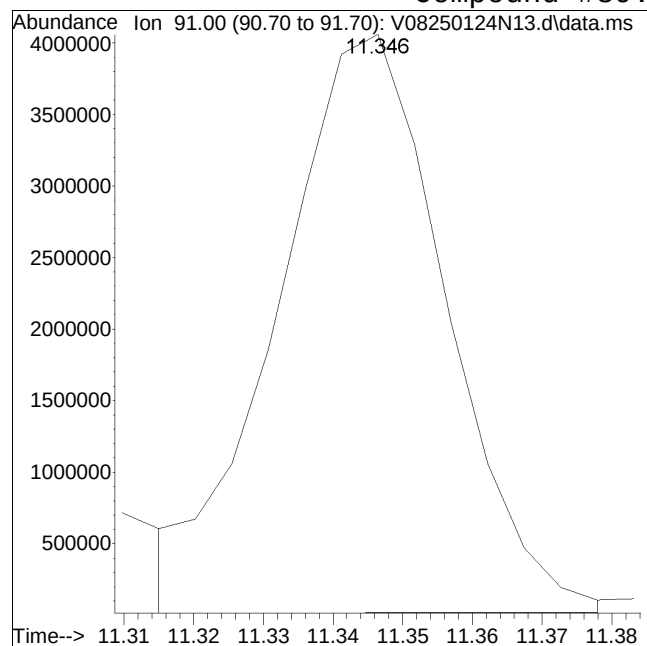


Manual Peak Response = 319431 M6

Manual Integration Report

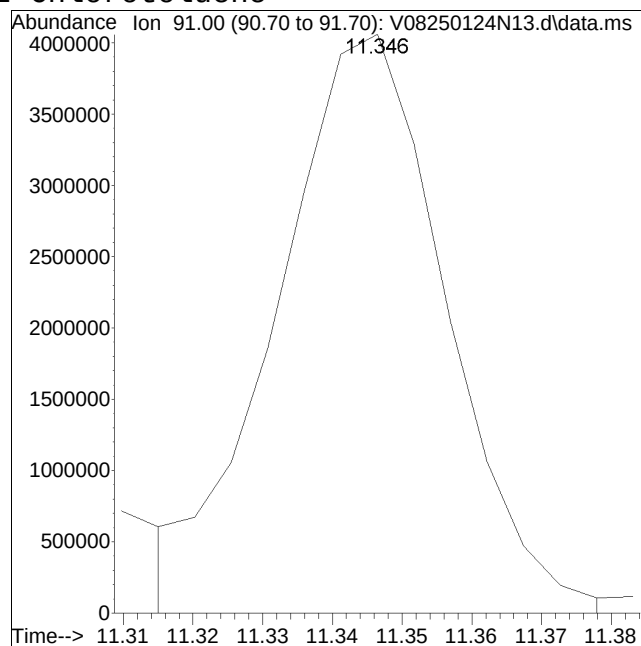
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N13.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 3:32 am Instrument : V0A 108
Sample : I8260STD200PPB Quant Date : 2/17/2025 12:21 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 6760573

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



Manual Peak Response = 6827513 M1

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	94	0.00
2 TP	Dichlorodifluoromethane	0.280	0.323	-15.4	109	0.00
3 TP	Chloromethane	0.307	0.344	-12.1	106	0.00
4 TP	Vinyl chloride	0.341	0.381	-11.7	103	0.00
5 TP	Bromomethane	0.307	0.354	-15.3	110	0.00
6 TP	Chloroethane	0.245	0.273	-11.4	105	0.00
7 TP	Trichlorofluoromethane	0.705	0.776	-10.1	105	0.00
8 TP	Ethyl ether	0.174	0.187	-7.5	107	0.00
10 TP	1,1-Dichloroethene	0.229	0.233	-1.7	102	0.00
11 TP	Carbon disulfide	0.760	0.679	10.7	88	0.00
12 TP	Freon-113	0.231	0.237	-2.6	102	0.00
13 TP	Iodomethane	0.322	0.377	-17.1	119	0.00
14 TP	Acrolein	0.023	0.020	13.0	89	0.00
15 TP	Methylene chloride	0.254	0.259	-2.0	100	0.00
17 TP	Acetone	* 10.000	10.803	-8.0	109	0.00
18 TP	trans-1,2-Dichloroethene	0.254	0.268	-5.5	104	0.00
19 TP	Methyl acetate	0.109	0.103	5.5	104	0.00
20 TP	Methyl tert-butyl ether	0.572	0.510	10.8	94	0.00
21 TP	tert-Butyl alcohol	0.00837	0.00826#	1.3	101	0.00
22 TP	Diisopropyl ether	0.737	0.716	2.8	98	0.00
23 TP	1,1-Dichloroethane	0.462	0.496	-7.4	105	0.00
24 TP	Halothane	0.206	0.222	-7.8	111	0.00
25 TP	Acrylonitrile	0.047	0.053	-12.8	113	0.00
26 TP	Ethyl tert-butyl ether	0.671	0.628	6.4	97	0.00
27 TP	Vinyl acetate	0.506	0.429	15.2	90	0.00
28 TP	cis-1,2-Dichloroethene	0.291	0.296	-1.7	102	0.00
29 TP	2,2-Dichloropropane	0.386	0.382	1.0	97	0.00
30 TP	Bromochloromethane	0.158	0.154	2.5	103	0.00
31 TP	Cyclohexane	0.396	0.387	2.3	98	0.00
32 TP	Chloroform	0.471	0.496	-5.3	107	0.00
33 TP	Ethyl acetate	0.158	0.157	0.6	107	0.00
34 TP	Carbon tetrachloride	0.378	0.392	-3.7	105	0.00
35 TP	Tetrahydrofuran	0.044	0.040	9.1	103	0.00
36 S	Dibromofluoromethane	0.325	0.324	0.3	99	0.00
37 TP	1,1,1-Trichloroethane	0.408	0.434	-6.4	104	0.00
39 TP	2-Butanone	0.063	0.063	0.0	110	0.00
40 TP	1,1-Dichloropropene	0.320	0.348	-8.7	107	0.00
41 TP	Benzene	0.954	1.006	-5.5	105	0.00
42 TP	tert-Amyl methyl ether	0.589	0.550	6.6	93	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.273	0.264	3.3	89	0.00
44 TP	1,2-Dichloroethane	0.291	0.301	-3.4	99	0.00
47 TP	Methyl cyclohexane	0.405	0.355	12.3	96	0.00
48 TP	Trichloroethene	0.266	0.269	-1.1	102	0.00
50 TP	Dibromomethane	0.151	0.147	2.6	97	0.00
51 TP	1,2-Dichloropropane	0.247	0.246	0.4	98	0.00
53 TP	2-Chloroethyl vinyl ether	0.116	0.122	-5.2	99	0.00
54 TP	Bromodichloromethane	0.346	0.326	5.8	94	0.00
57 TP	1,4-Dioxane	0.00090	0.00077#	14.4	73	0.00
58 TP	cis-1,3-Dichloropropene	0.383	0.370	3.4	96	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
60 S	Toluene-d8	1.244	1.284	-3.2	95	0.00
61 TP	Toluene	0.726	0.794	-9.4	104	0.00
62 TP	4-Methyl-2-pentanone	0.061	0.065	-6.6	98	0.00
63 TP	Tetrachloroethene	0.321	0.331	-3.1	100	0.00
65 TP	trans-1,3-Dichloropropene	0.400	0.390	2.5	96	0.00
67 TP	Ethyl methacrylate	0.260	0.290	-11.5	103	0.00
68 TP	1,1,2-Trichloroethane	0.191	0.190#	0.5	96	0.00
69 TP	Chlorodibromomethane	0.309	0.305	1.3	100	0.00
70 TP	1,3-Dichloropropane	0.396	0.393	0.8	96	0.00
71 TP	1,2-Dibromoethane	0.218	0.208	4.6	90	0.00
72 TP	2-Hexanone	0.110	0.121	-10.0	101	0.00
73 TP	Chlorobenzene	0.917	0.950	-3.6	101	0.00
74 TP	Ethylbenzene	1.435	1.432	0.2	97	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.315	0.295	6.3	95	0.00
76 TP	p/m Xylene	0.603	0.569	5.6	100	0.00
77 TP	o Xylene	0.600	0.547	8.8	97	0.00
78 TP	Styrene	1.022	0.933	8.7	98	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
80 TP	Bromoform	0.337	0.322	4.5	100	0.00
82 TP	Isopropylbenzene	2.669	2.401	10.0	86	0.00
83 S	4-Bromofluorobenzene	0.760	0.785	-3.3	94	0.00
84 TP	Bromobenzene	0.709	0.719	-1.4	96	0.00
85 TP	n-Propylbenzene	3.183	3.160	0.7	98	0.00
86 TP	1,4-Dichlorobutane	0.618	0.658	-6.5	101	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.482	0.486	-0.8	95	0.00
88 TP	4-Ethyltoluene	2.676	2.765	-3.3	101	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.824	1.801	1.3	94	0.00
90 TP	1,3,5-Trimethylbenzene	2.361	2.205	6.6	93	0.00
91 TP	1,2,3-Trichloropropane	0.406	0.389	4.2	92	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.118	0.110	6.8	90	0.00
93 TP	4-Chlorotoluene	1.899	1.907	-0.4	98	0.00
94 TP	tert-Butylbenzene	1.988	1.982	0.3	97	0.00
97 TP	1,2,4-Trimethylbenzene	2.280	2.217	2.8	96	0.00
98 TP	sec-Butylbenzene	2.857	2.839	0.6	96	0.00
99 TP	p-Isopropyltoluene	2.611	2.540	2.7	97	0.00
100 TP	1,3-Dichlorobenzene	1.410	1.437	-1.9	100	0.00
101 TP	1,4-Dichlorobenzene	1.464	1.473	-0.6	101	0.00
102 TP	p-Diethylbenzene	1.588	1.473	7.2	95	0.00
103 TP	n-Butylbenzene	2.169	2.249	-3.7	100	0.00
104 TP	1,2-Dichlorobenzene	1.310	1.341	-2.4	101	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.532	2.344	7.4	97	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.069	0.069	0.0	96	0.00
107 TP	1,3,5-Trichlorobenzene	1.042	1.007	3.4	97	0.00
108 TP	Hexachlorobutadiene	0.401	0.397	1.0	98	0.00
109 TP	1,2,4-Trichlorobenzene	0.941	0.916	2.7	100	0.00
110 TP	Naphthalene	1.774	1.811	-2.1	99	0.00
111 TP	1,2,3-Trichlorobenzene	0.809	0.816	-0.9	99	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	6.009	96	322681	10.000	ug/L	0.00
Standard Area 1 = 341820			Recovery	=	94.40%	
59) Chlorobenzene-d5	9.527	117	258296	10.000	ug/L	0.00
Standard Area 1 = 266981			Recovery	=	96.75%	
79) 1,4-Dichlorobenzene-d4	12.227	152	131318	10.000	ug/L	0.00
Standard Area 1 = 134499			Recovery	=	97.63%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.207	113	104560	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.62%	
43) 1,2-Dichloroethane-d4	5.726	65	85184	9.657	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	96.57%	
60) Toluene-d8	7.692	98	331563	10.322	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	103.22%	
83) 4-Bromofluorobenzene	11.021	95	103090	10.333	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	103.33%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.668	85	104384	11.552	ug/L	99
3) Chloromethane	1.867	50	110999	11.210	ug/L	99
4) Vinyl chloride	1.930	62	123046	11.170	ug/L	94
5) Bromomethane	2.239	94	114265	11.551	ug/L	100
6) Chloroethane	2.360	64	87976	11.106	ug/L	94
7) Trichlorofluoromethane	2.496	101	250450	11.004	ug/L	100
8) Ethyl ether	2.790	74	60401	10.749	ug/L	64
10) 1,1-Dichloroethene	2.979	96	75257	10.203	ug/L	# 61
11) Carbon disulfide	3.010	76	219255	8.942	ug/L	96
12) Freon-113	3.015	101	76486	10.253	ug/L	94
13) Iodomethane	3.120	142	121568	11.691	ug/L	86
14) Acrolein	3.293	56	6363	8.643	ug/L	99
15) Methylene chloride	3.529	84	83691	10.201	ug/L	71
17) Acetone	3.566	43	13513	10.803	ug/L	90
18) trans-1,2-Dichloroethene	3.681	96	86352	10.519	ug/L	70
19) Methyl acetate	3.681	43	33268	9.470	ug/L	# 78
20) Methyl tert-butyl ether	3.776	73	164517	8.912	ug/L	91
21) tert-Butyl alcohol	3.870	59	13330	49.352	ug/L	# 72
22) Diisopropyl ether	4.132	45	231033	9.719	ug/L	# 89
23) 1,1-Dichloroethane	4.258	63	160180	10.733	ug/L	98
24) Halothane	4.305	117	71657	10.800	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25)	Acrylonitrile	4.300	53	17021	11.333	ug/L	#	84
26)	Ethyl tert-butyl ether	4.473	59	202740	9.359	ug/L	#	87
27)	Vinyl acetate	4.483	43	138320	8.465	ug/L	#	94
28)	cis-1,2-Dichloroethene	4.772	96	95520	10.157	ug/L	#	64
29)	2,2-Dichloropropane	4.871	77	123256	9.889	ug/L		97
30)	Bromochloromethane	4.960	128	49805	9.784	ug/L	#	49
31)	Cyclohexane	4.966	56	124949	9.773	ug/L	#	47
32)	Chloroform	5.034	83	160055	10.535	ug/L		97
33)	Ethyl acetate	5.139	43	50540	9.896	ug/L	#	90
34)	Carbon tetrachloride	5.170	117	126337	10.351	ug/L		97
35)	Tetrahydrofuran	5.181	42	13025M6	9.073	ug/L		
37)	1,1,1-Trichloroethane	5.233	97	140137	10.652	ug/L	#	91
39)	2-Butanone	5.317	43	20175	9.896	ug/L	#	10
40)	1,1-Dichloropropene	5.354	75	112146	10.860	ug/L		94
41)	Benzene	5.595	78	324741	10.547	ug/L	#	89
42)	tert-Amyl methyl ether	5.705	73	177420	9.339	ug/L	#	85
44)	1,2-Dichloroethane	5.794	62	97217	10.350	ug/L		97
47)	Methyl cyclohexane	6.182	83	114565	8.757	ug/L	#	65
48)	Trichloroethene	6.187	95	86961	10.141	ug/L		88
50)	Dibromomethane	6.623	93	47299	9.716	ug/L		96
51)	1,2-Dichloropropane	6.727	63	79472	9.989	ug/L		96
53)	2-Chloroethyl vinyl ether	7.419	63	39392	10.560	ug/L		88
54)	Bromodichloromethane	6.796	83	105248	9.429	ug/L		99
57)	1,4-Dioxane	7.005	88	12465	429.265	ug/L	#	69
58)	cis-1,3-Dichloropropene	7.488	75	119434	9.652	ug/L		91
61)	Toluene	7.750	92	205009	10.933	ug/L		99
62)	4-Methyl-2-pentanone	8.180	58	16908	10.646	ug/L	#	76
63)	Tetrachloroethene	8.195	166	85570	10.336	ug/L		91
65)	trans-1,3-Dichloropropene	8.227	75	100617	9.747	ug/L		94
67)	Ethyl methacrylate	8.421	69	75027	11.183	ug/L	#	42
68)	1,1,2-Trichloroethane	8.416	83	48992	9.925	ug/L		90
69)	Chlorodibromomethane	8.631	129	78764	9.863	ug/L		98
70)	1,3-Dichloropropane	8.735	76	101515	9.936	ug/L		99
71)	1,2-Dibromoethane	8.903	107	53759	9.568	ug/L		98
72)	2-Hexanone	9.186	43	31246	11.027	ug/L	#	94
73)	Chlorobenzene	9.548	112	245286	10.361	ug/L		97
74)	Ethylbenzene	9.590	91	369992	9.983	ug/L		97
75)	1,1,1,2-Tetrachloroethane	9.632	131	76155	9.369	ug/L		95
76)	p/m Xylene	9.774	106	293868	18.882	ug/L		90
77)	o Xylene	10.314	106	282674	18.238	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
 Data File : V08250124N18.d
 Acq On : 25 Jan 2025 5:24 am
 Operator : VOA108:PID
 Sample : C8260STD10PPB
 Misc : WG2031003,ICAL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
 Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250124NICAL\V08250124N09.d
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
78)	Styrene	10.382	104	482193	18.270	ug/L	#	85
80)	Bromoform	10.403	173	42253	9.536	ug/L		97
82)	Isopropylbenzene	10.696	105	315238	8.995	ug/L		94
84)	Bromobenzene	11.132	156	94477	10.145	ug/L		97
85)	n-Propylbenzene	11.173	91	414922	9.928	ug/L		94
86)	1,4-Dichlorobutane	11.189	55	86447	10.655	ug/L		94
87)	1,1,2,2-Tetrachloroethane	11.263	83	63819	10.076	ug/L		99
88)	4-Ethyltoluene	11.305	105	363102	10.332	ug/L		93
89)	2-Chlorotoluene	11.341	91	236506M1	9.872	ug/L		
90)	1,3,5-Trimethylbenzene	11.399	105	289535	9.340	ug/L	#	86
91)	1,2,3-Trichloropropane	11.399	75	51140	9.587	ug/L		97
92)	trans-1,4-Dichloro-2-b...	11.451	53	14507	9.365	ug/L	#	67
93)	4-Chlorotoluene	11.525	91	250399	10.041	ug/L	#	84
94)	tert-Butylbenzene	11.740	119	260270	9.972	ug/L		95
97)	1,2,4-Trimethylbenzene	11.818	105	291117	9.725	ug/L		89
98)	sec-Butylbenzene	11.928	105	372755	9.937	ug/L		95
99)	p-Isopropyltoluene	12.086	119	333570	9.730	ug/L		92
100)	1,3-Dichlorobenzene	12.149	146	188702	10.192	ug/L		97
101)	1,4-Dichlorobenzene	12.243	146	193366	10.055	ug/L		97
102)	p-Diethylbenzene	12.458	119	193480	9.276	ug/L		91
103)	n-Butylbenzene	12.516	91	295360	10.370	ug/L		96
104)	1,2-Dichlorobenzene	12.663	146	176058	10.238	ug/L		96
105)	1,2,4,5-Tetramethylben...	13.250	119	307840	9.260	ug/L		96
106)	1,2-Dibromo-3-chloropr...	13.438	155	9124	10.108	ug/L		91
107)	1,3,5-Trichlorobenzene	13.470	180	132193	9.658	ug/L		93
108)	Hexachlorobutadiene	14.047	225	52118	9.898	ug/L		95
109)	1,2,4-Trichlorobenzene	14.068	180	120300	9.734	ug/L		99
110)	Naphthalene	14.361	128	237856	10.208	ug/L		100
111)	1,2,3-Trichlorobenzene	14.524	180	107214	10.086	ug/L		99

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

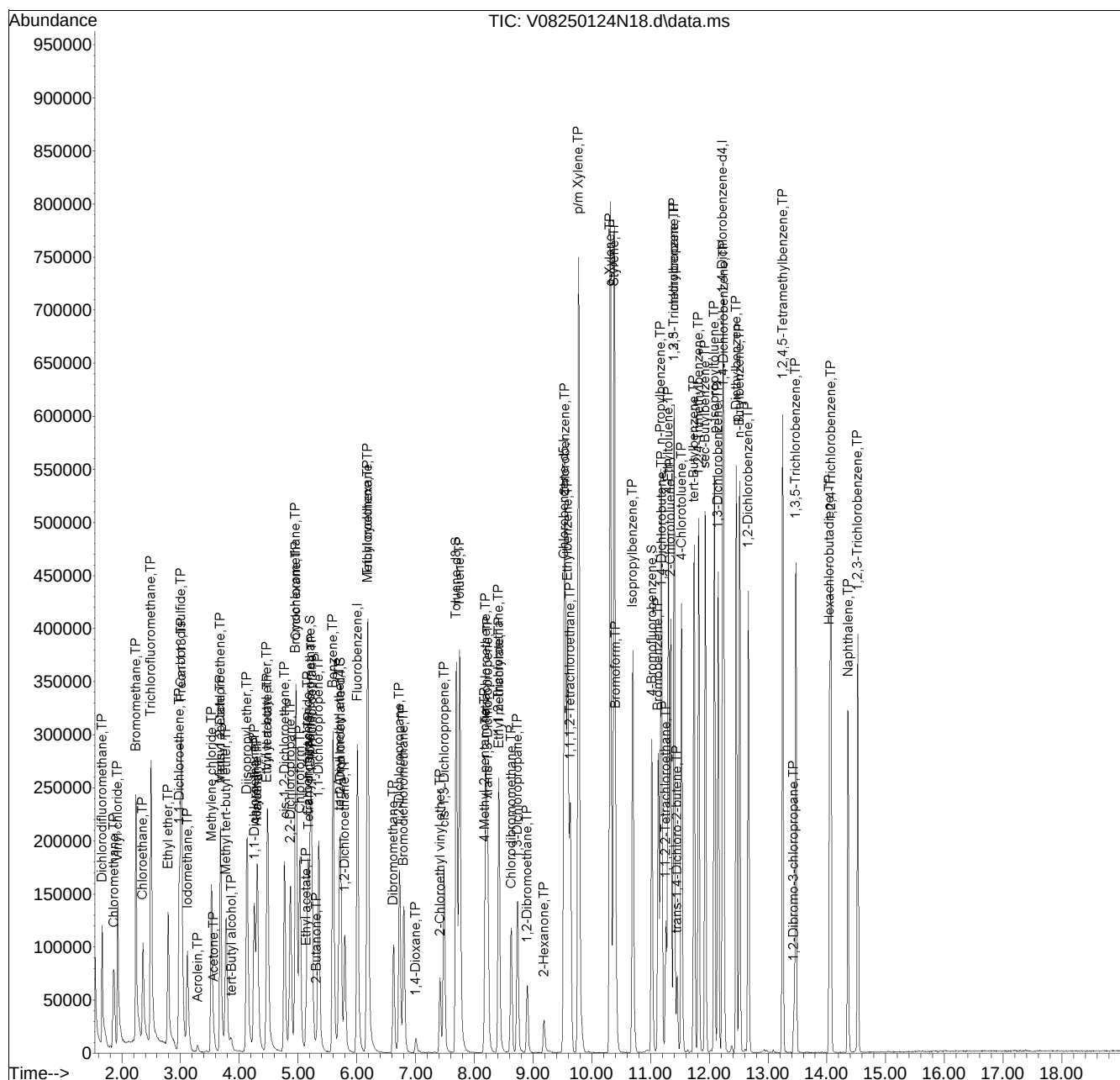
Quantitation Report

(QT Reviewed)

Data Path : K:\VOA108\2025\250124NICAL\
Data File : V08250124N18.d
Acq On : 25 Jan 2025 5:24 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG2031003,ICAL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 17 12:22:24 2025
Quant Method : K:\VOA108\2025\250124NICAL\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

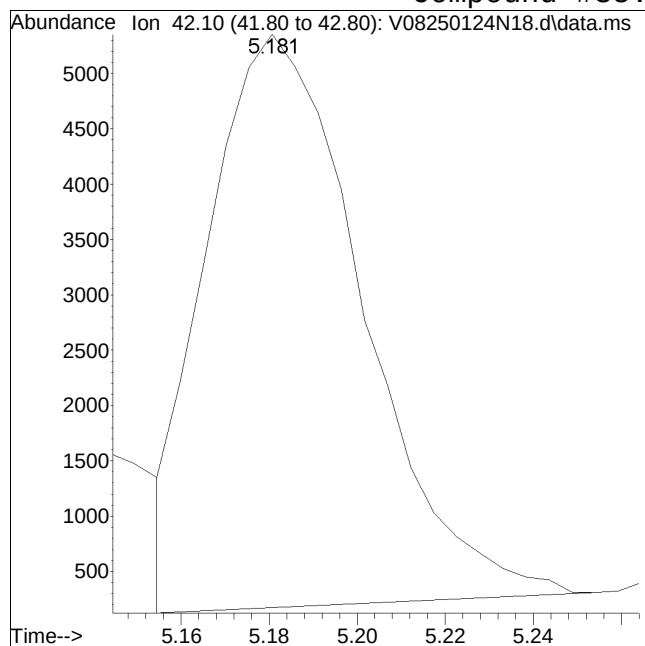
Sub List : 8260-Curve - Megamix plus Diox\V08250124N09.d•



Manual Integration Report

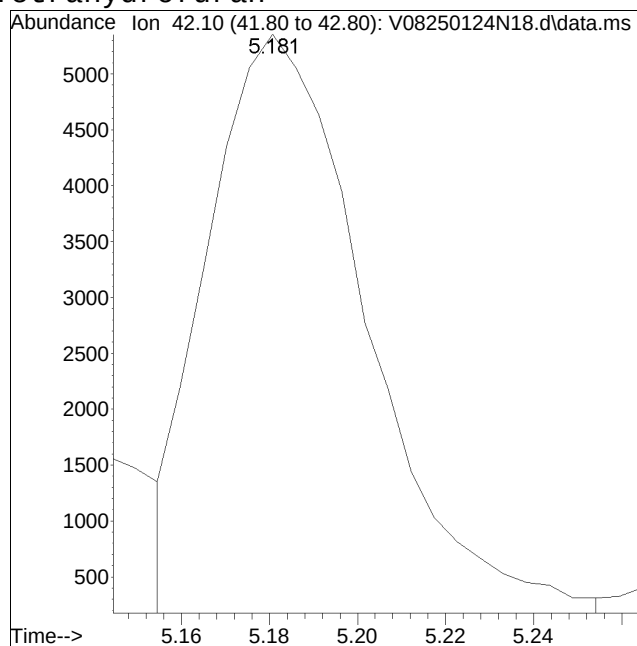
Data Path : K:\VOA108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N18.d Operator : VOA108:PID
Date Inj'd : 1/25/2025 5:24 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 2/17/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 12782

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

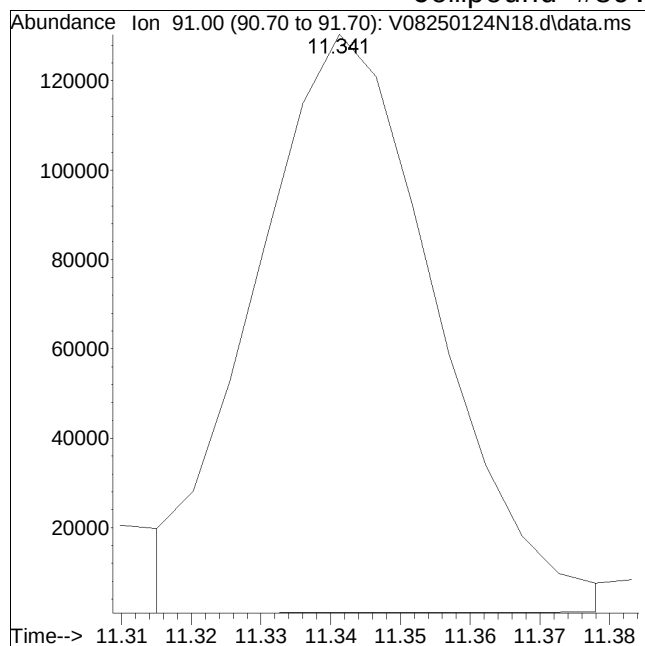


Manual Peak Response = 13025 M6

Manual Integration Report

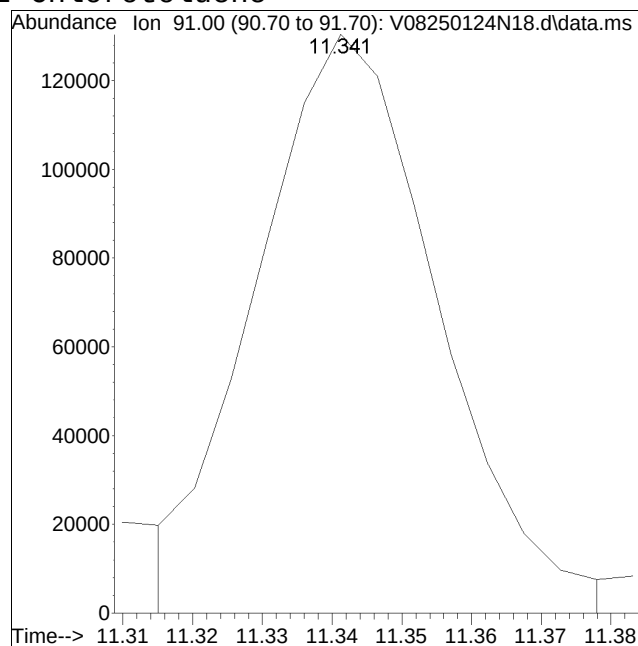
Data Path : K:\V0A108\2025\250124NICALQMethod : V108_250124N_v2_8260.m
Data File : V08250124N18.d Operator : V0A108:PID
Date Inj'd : 1/25/2025 5:24 am Instrument : V0A 108
Sample : C8260STD10PPB Quant Date : 2/17/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 232848

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



Manual Peak Response = 236506 M1

Method Path : K:\VOA108\2025\250124NICAL\
Method File : V108_250124N_v2_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Feb 17 12:19:31 2025

COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17 TP Acetone	L	ug/L	10.0	9.177	-8.2	2.00	2.261	13.1

Calibration Correlation Report

COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17 TP Acetone	Linear	0.999113	0.000000	0.0346274	0.00447077

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA108
 Lab File ID : V08250319A02
 Sample No : WG2042829-2
 Channel :

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Calibration Date : 03/19/25 07:08
 Init. Calib. Date(s) : 01/24/25 01/25/25
 Init. Calib. Times : 23:49 03:32

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	66	0
Dichlorodifluoromethane	0.28	0.35	-	-25*	20	83	0
Chloromethane	0.307	0.303	-	1.3	20	66	-.01
Vinyl chloride	0.341	0.305	-	10.6	20	58	0
Bromomethane	0.307	0.124	-	59.6*	20	27	0
Chloroethane	0.245	0.192	-	21.6*	20	52	0
Trichlorofluoromethane	0.705	0.416	-	41*	20	39	0
Ethyl ether	0.174	0.108	-	37.9*	20	43	0
1,1-Dichloroethene	0.229	0.226	-	1.3	20	69	0
Carbon disulfide	0.76	0.801	-	-5.4	20	73	0
Freon-113	0.231	0.24	-	-3.9	20	73	0
Acrolein	0.023	0.024	-	-4.3	20	78	0
Methylene chloride	0.254	0.281	-	-10.6	20	76	0
Acetone	10	13.888	-	-38.9*	20	96	0
trans-1,2-Dichloroethene	0.254	0.263	-	-3.5	20	72	0
Methyl acetate	0.109	0.119	-	-9.2	20	85	0
Methyl tert-butyl ether	0.572	0.461	-	19.4	20	60	0
tert-Butyl alcohol	0.00837	0.01039	-	-24.1*	20	89	0
Diisopropyl ether	0.737	0.643	-	12.8	20	62	0
1,1-Dichloroethane	0.462	0.49	-	-6.1	20	73	0
Halothane	0.206	0.199	-	3.4	20	70	0
Acrylonitrile	0.047	0.056	-	-19.1	20	85	0
Ethyl tert-butyl ether	0.671	0.494	-	26.4*	20	54	0
Vinyl acetate	0.506	0.442	-	12.6	20	65	0
cis-1,2-Dichloroethene	0.291	0.291	-	0	20	71	0
2,2-Dichloropropane	0.386	0.395	-	-2.3	20	70	0
Bromochloromethane	0.158	0.145	-	8.2	20	68	0
Cyclohexane	0.396	0.36	-	9.1	20	64	0
Chloroform	0.471	0.503	-	-6.8	20	76	0
Ethyl acetate	0.158	0.156	-	1.3	20	75	0
Carbon tetrachloride	0.378	0.378	-	0	20	72	0
Tetrahydrofuran	0.044	0.049	-	-11.4	20	88	0
Dibromofluoromethane	0.325	0.321	-	1.2	20	69	0
1,1,1-Trichloroethane	0.408	0.429	-	-5.1	20	72	0
2-Butanone	0.063	0.075	-	-19	20	92	0
1,1-Dichloropropene	0.32	0.31	-	3.1	20	67	0
Benzene	0.954	0.962	-	-0.8	20	70	0
tert-Amyl methyl ether	0.589	0.427	-	27.5*	20	51	-.01
1,2-Dichloroethane-d4	0.273	0.326	-	-19.4	20	78	0
1,2-Dichloroethane	0.291	0.327	-	-12.4	20	76	0
Methyl cyclohexane	0.405	0.326	-	19.5	20	62	0
Trichloroethene	0.266	0.273	-	-2.6	20	72	0
Dibromomethane	0.151	0.156	-	-3.3	20	73	-.01

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA108
 Lab File ID : V08250319A02
 Sample No : WG2042829-2
 Channel :

Lab Number : L2514654
 Project Number : 0210873-000-001-16
 Calibration Date : 03/19/25 07:08
 Init. Calib. Date(s) : 01/24/25 01/25/25
 Init. Calib. Times : 23:49 03:32

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.247	0.243	-	1.6	20	68	0
Bromodichloromethane	0.346	0.367	-	-6.1	20	74	0
1,4-Dioxane	0.0009	0.00133*	-	-47.8*	20	88	0
cis-1,3-Dichloropropene	0.383	0.344	-	10.2	20	63	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.244	1.356	-	-9	20	65	0
Toluene	0.726	0.796	-	-9.6	20	68	0
4-Methyl-2-pentanone	0.061	0.047	-	23*	20	46	0
Tetrachloroethene	0.321	0.325	-	-1.2	20	64	0
trans-1,3-Dichloropropene	0.4	0.382	-	4.5	20	62	0
Ethyl methacrylate	0.26	0.198	-	23.8*	20	46	-0.01
1,1,2-Trichloroethane	0.191	0.212	-	-11	20	70	-0.01
Chlorodibromomethane	0.309	0.318	-	-2.9	20	68	0
1,3-Dichloropropane	0.396	0.418	-	-5.6	20	67	0
1,2-Dibromoethane	0.218	0.248	-	-13.8	20	70	0
2-Hexanone	0.11	0.094	-	14.5	20	52	0
Chlorobenzene	0.917	0.955	-	-4.1	20	66	0
Ethylbenzene	1.435	1.538	-	-7.2	20	68	0
1,1,1,2-Tetrachloroethane	0.315	0.331	-	-5.1	20	69	0
p/m Xylene	0.603	0.607	-	-0.7	20	70	0
o Xylene	0.6	0.596	-	0.7	20	69	0
Styrene	1.022	1.095	-	-7.1	20	75	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
Bromoform	0.337	0.289	-	14.2	20	69	0
Isopropylbenzene	2.669	2.554	-	4.3	20	70	0
4-Bromofluorobenzene	0.76	0.785	-	-3.3	20	72	0
Bromobenzene	0.709	0.67	-	5.5	20	69	0
n-Propylbenzene	3.183	3.234	-	-1.6	20	77	0
1,4-Dichlorobutane	0.618	0.593	-	4	20	69	0
1,1,2,2-Tetrachloroethane	0.482	0.507	-	-5.2	20	76	0
4-Ethyltoluene	2.676	2.664	-	0.4	20	74	0
2-Chlorotoluene	1.824	1.992	-	-9.2	20	80	0
1,3,5-Trimethylbenzene	2.361	2.301	-	2.5	20	74	0
1,2,3-Trichloropropane	0.406	0.404	-	0.5	20	73	0
trans-1,4-Dichloro-2-buten	0.118	0.11	-	6.8	20	69	0
4-Chlorotoluene	1.899	2.051	-	-8	20	81	0
tert-Butylbenzene	1.988	1.99	-	-0.1	20	75	0
1,2,4-Trimethylbenzene	2.28	2.277	-	0.1	20	76	0
sec-Butylbenzene	2.857	3.013	-	-5.5	20	78	0
p-Isopropyltoluene	2.611	2.593	-	0.7	20	76	0
1,3-Dichlorobenzene	1.41	1.447	-	-2.6	20	77	0
1,4-Dichlorobenzene	1.464	1.45	-	1	20	76	0
p-Diethylbenzene	1.588	1.505	-	5.2	20	74	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA108
Lab File ID : V08250319A02
Sample No : WG2042829-2
Channel :

Lab Number : L2514654
Project Number : 0210873-000-001-16
Calibration Date : 03/19/25 07:08
Init. Calib. Date(s) : 01/24/25 01/25/25
Init. Calib. Times : 23:49 03:32

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.169	2.367	-	-9.1	20	81	0
1,2-Dichlorobenzene	1.31	1.345	-	-2.7	20	77	0
1,2,4,5-Tetramethylbenzene	2.532	2.342	-	7.5	20	74	0
1,2-Dibromo-3-chloropropan	0.069	0.072	-	-4.3	20	76	0
1,3,5-Trichlorobenzene	1.042	1.02	-	2.1	20	75	0
Hexachlorobutadiene	0.401	0.427	-	-6.5	20	81	0
1,2,4-Trichlorobenzene	0.941	0.85	-	9.7	20	71	0
Naphthalene	1.774	1.516	-	14.5	20	63	0
1,2,3-Trichlorobenzene	0.809	0.728	-	10	20	68	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	66	0.00
2 TP	Dichlorodifluoromethane	0.280	0.350	-25.0#	83	0.00
3 TP	Chloromethane	0.307	0.303	1.3	66	-0.01
4 TP	Vinyl chloride	0.341	0.305	10.6	58	0.00
5 TP	Bromomethane	0.307	0.124	59.6#	27#	0.00
6 TP	Chloroethane	0.245	0.192	21.6#	52	0.00
7 TP	Trichlorofluoromethane	0.705	0.416	41.0#	39#	0.00
8 TP	Ethyl ether	0.174	0.108	37.9#	43#	0.00
10 TP	1,1-Dichloroethene	0.229	0.226	1.3	69	0.00
11 TP	Carbon disulfide	0.760	0.801	-5.4	73	0.00
12 TP	Freon-113	0.231	0.240	-3.9	73	0.00
14 TP	Acrolein	0.023	0.024	-4.3	78	0.00
15 TP	Methylene chloride	0.254	0.281	-10.6	76	0.00
17 TP	Acetone	* 10.000	13.888	-38.9#	96	0.00
18 TP	trans-1,2-Dichloroethene	0.254	0.263	-3.5	72	0.00
19 TP	Methyl acetate	0.109	0.119	-9.2	85	0.00
20 TP	Methyl tert-butyl ether	0.572	0.461	19.4	60	0.00
21 TP	tert-Butyl alcohol	0.00837	0.01039	-24.1#	89	0.00
22 TP	Diisopropyl ether	0.737	0.643	12.8	62	0.00
23 TP	1,1-Dichloroethane	0.462	0.490	-6.1	73	0.00
24 TP	Halothane	0.206	0.199	3.4	70	0.00
25 TP	Acrylonitrile	0.047	0.056	-19.1	85	0.00
26 TP	Ethyl tert-butyl ether	0.671	0.494	26.4#	54	0.00
27 TP	Vinyl acetate	0.506	0.442	12.6	65	0.00
28 TP	cis-1,2-Dichloroethene	0.291	0.291	0.0	71	0.00
29 TP	2,2-Dichloropropane	0.386	0.395	-2.3	70	0.00
30 TP	Bromochloromethane	0.158	0.145	8.2	68	0.00
31 TP	Cyclohexane	0.396	0.360	9.1	64	0.00
32 TP	Chloroform	0.471	0.503	-6.8	76	0.00
33 TP	Ethyl acetate	0.158	0.156	1.3	75	0.00
34 TP	Carbon tetrachloride	0.378	0.378	0.0	72	0.00
35 TP	Tetrahydrofuran	0.044	0.049	-11.4	88	0.00
36 S	Dibromofluoromethane	0.325	0.321	1.2	69	0.00
37 TP	1,1,1-Trichloroethane	0.408	0.429	-5.1	72	0.00
39 TP	2-Butanone	0.063	0.075	-19.0	92	0.00
40 TP	1,1-Dichloropropene	0.320	0.310	3.1	67	0.00
41 TP	Benzene	0.954	0.962	-0.8	70	0.00
42 TP	tert-Amyl methyl ether	0.589	0.427	27.5#	51	-0.01
43 S	1,2-Dichloroethane-d4	0.273	0.326	-19.4	78	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TP	1,2-Dichloroethane	0.291	0.327	-12.4	76	0.00
47 TP	Methyl cyclohexane	0.405	0.326	19.5	62	0.00
48 TP	Trichloroethene	0.266	0.273	-2.6	72	0.00
50 TP	Dibromomethane	0.151	0.156	-3.3	73	-0.01
51 TP	1,2-Dichloropropane	0.247	0.243	1.6	68	0.00
54 TP	Bromodichloromethane	0.346	0.367	-6.1	74	0.00
57 TP	1,4-Dioxane	0.00090	0.00133#	-47.8#	88	0.00
58 TP	cis-1,3-Dichloropropene	0.383	0.344	10.2	63	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	63	0.00
60 S	Toluene-d8	1.244	1.356	-9.0	65	0.00
61 TP	Toluene	0.726	0.796	-9.6	68	0.00
62 TP	4-Methyl-2-pentanone	0.061	0.047	23.0#	46#	0.00
63 TP	Tetrachloroethene	0.321	0.325	-1.2	64	0.00
65 TP	trans-1,3-Dichloropropene	0.400	0.382	4.5	62	0.00
67 TP	Ethyl methacrylate	0.260	0.198	23.8#	46#	-0.01
68 TP	1,1,2-Trichloroethane	0.191	0.212	-11.0	70	-0.01
69 TP	Chlorodibromomethane	0.309	0.318	-2.9	68	0.00
70 TP	1,3-Dichloropropane	0.396	0.418	-5.6	67	0.00
71 TP	1,2-Dibromoethane	0.218	0.248	-13.8	70	0.00
72 TP	2-Hexanone	0.110	0.094	14.5	52	0.00
73 TP	Chlorobenzene	0.917	0.955	-4.1	66	0.00
74 TP	Ethylbenzene	1.435	1.538	-7.2	68	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.315	0.331	-5.1	69	0.00
76 TP	p/m Xylene	0.603	0.607	-0.7	70	0.00
77 TP	o Xylene	0.600	0.596	0.7	69	0.00
78 TP	Styrene	1.022	1.095	-7.1	75	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
80 TP	Bromoform	0.337	0.289	14.2	69	0.00
82 TP	Isopropylbenzene	2.669	2.554	4.3	70	0.00
83 S	4-Bromofluorobenzene	0.760	0.785	-3.3	72	0.00
84 TP	Bromobenzene	0.709	0.670	5.5	69	0.00
85 TP	n-Propylbenzene	3.183	3.234	-1.6	77	0.00
86 TP	1,4-Dichlorobutane	0.618	0.593	4.0	69	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.482	0.507	-5.2	76	0.00
88 TP	4-Ethyltoluene	2.676	2.664	0.4	74	0.00
89 TP	2-Chlorotoluene	1.824	1.992	-9.2	80	0.00
90 TP	1,3,5-Trimethylbenzene	2.361	2.301	2.5	74	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.406	0.404	0.5	73	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.118	0.110	6.8	69	0.00
93 TP	4-Chlorotoluene	1.899	2.051	-8.0	81	0.00
94 TP	tert-Butylbenzene	1.988	1.990	-0.1	75	0.00
97 TP	1,2,4-Trimethylbenzene	2.280	2.277	0.1	76	0.00
98 TP	sec-Butylbenzene	2.857	3.013	-5.5	78	0.00
99 TP	p-Isopropyltoluene	2.611	2.593	0.7	76	0.00
100 TP	1,3-Dichlorobenzene	1.410	1.447	-2.6	77	0.00
101 TP	1,4-Dichlorobenzene	1.464	1.450	1.0	76	0.00
102 TP	p-Diethylbenzene	1.588	1.505	5.2	74	0.00
103 TP	n-Butylbenzene	2.169	2.367	-9.1	81	0.00
104 TP	1,2-Dichlorobenzene	1.310	1.345	-2.7	77	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.532	2.342	7.5	74	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.069	0.072	-4.3	76	0.00
107 TP	1,3,5-Trichlorobenzene	1.042	1.020	2.1	75	0.00
108 TP	Hexachlorobutadiene	0.401	0.427	-6.5	81	0.00
109 TP	1,2,4-Trichlorobenzene	0.941	0.850	9.7	71	0.00
110 TP	Naphthalene	1.774	1.516	14.5	63	0.00
111 TP	1,2,3-Trichlorobenzene	0.809	0.728	10.0	68	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	6.009	96	226799	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.526	117	168594	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	12.219	152	100471	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	72791	9.867	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	98.67%	
43) 1,2-Dichloroethane-d4	5.721	65	73944	11.927	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	119.27%	
60) Toluene-d8	7.685	98	228626	10.905	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	109.05%	
83) 4-Bromofluorobenzene	11.012	95	78833	10.327	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	103.27%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.664	85	79316	12.489	ug/L	99
3) Chloromethane	1.857	50	68682	9.869	ug/L	99
4) Vinyl chloride	1.930	62	69275	8.947	ug/L	94
5) Bromomethane	2.236	94	28182	4.053	ug/L	99
6) Chloroethane	2.355	64	43506	7.814	ug/L	96
7) Trichlorofluoromethane	2.488	101	94331	5.897	ug/L	99
8) Ethyl ether	2.788	74	24480	6.198	ug/L	76
10) 1,1-Dichloroethene	2.974	96	51230	9.882	ug/L #	66
11) Carbon disulfide	3.007	76	181734	10.545	ug/L	96
12) Freon-113	3.014	101	54462	10.387	ug/L	95
14) Acrolein	3.286	56	5532	10.691	ug/L	100
15) Methylene chloride	3.519	84	63793	11.063	ug/L	74
17) Acetone	3.559	43	11921	13.888	ug/L #	89
18) trans-1,2-Dichloroethene	3.672	96	59655	10.339	ug/L	72
19) Methyl acetate	3.679	43	26945	10.913	ug/L #	86
20) Methyl tert-butyl ether	3.772	73	104457	8.050	ug/L	94
21) tert-Butyl alcohol	3.858	59	11783	62.068	ug/L #	25
22) Diisopropyl ether	4.124	45	145798	8.727	ug/L #	85
23) 1,1-Dichloroethane	4.251	63	111068	10.589	ug/L	99
24) Halothane	4.304	117	45112	9.673	ug/L	100
25) Acrylonitrile	4.291	53	12753	12.081	ug/L #	86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
26) Ethyl tert-butyl ether	4.470	59	111969	7.354	ug/L	#	74
27) Vinyl acetate	4.477	43	100191	8.724	ug/L		97
28) cis-1,2-Dichloroethene	4.763	96	66083	9.998	ug/L	#	67
29) 2,2-Dichloropropane	4.863	77	89669	10.236	ug/L		98
30) Bromochloromethane	4.956	128	32874	9.188	ug/L	#	58
31) Cyclohexane	4.962	56	81565	9.076	ug/L	#	53
32) Chloroform	5.029	83	114038	10.680	ug/L		97
33) Ethyl acetate	5.135	43	35421	9.867	ug/L	#	91
34) Carbon tetrachloride	5.162	117	85815	10.003	ug/L		97
35) Tetrahydrofuran	5.175	42	11159	11.060	ug/L	#	85
37) 1,1,1-Trichloroethane	5.228	97	97184	10.510	ug/L	#	90
39) 2-Butanone	5.315	43	16929	11.814	ug/L	#	81
40) 1,1-Dichloropropene	5.348	75	70202	9.672	ug/L		92
41) Benzene	5.591	78	218200	10.083	ug/L		90
42) tert-Amyl methyl ether	5.694	73	96836	7.252	ug/L		95
44) 1,2-Dichloroethane	5.790	62	74137	11.230	ug/L		96
47) Methyl cyclohexane	6.173	83	73954	8.042	ug/L	#	67
48) Trichloroethene	6.180	95	61837	10.259	ug/L		94
50) Dibromomethane	6.618	93	35450	10.361	ug/L		99
51) 1,2-Dichloropropane	6.720	63	55126	9.858	ug/L		97
54) Bromodichloromethane	6.796	83	83236	10.609	ug/L		97
57) 1,4-Dioxane	7.001	88	15100	739.848	ug/L	#	72
58) cis-1,3-Dichloropropene	7.480	75	78046	8.974	ug/L		95
61) Toluene	7.747	92	134214	10.965	ug/L		99
62) 4-Methyl-2-pentanone	8.171	58	7972	7.690	ug/L	#	58
63) Tetrachloroethene	8.191	166	54866	10.154	ug/L		94
65) trans-1,3-Dichloropropene	8.226	75	64324	9.547	ug/L		97
67) Ethyl methacrylate	8.410	69	33415	7.630	ug/L	#	5
68) 1,1,2-Trichloroethane	8.404	83	35670	11.071	ug/L		95
69) Chlorodibromomethane	8.623	129	53584	10.280	ug/L		98
70) 1,3-Dichloropropane	8.732	76	70497	10.571	ug/L		98
71) 1,2-Dibromoethane	8.896	107	41837	11.407	ug/L		100
72) 2-Hexanone	9.184	43	15919	8.607	ug/L	#	82
73) Chlorobenzene	9.546	112	160967	10.417	ug/L		99
74) Ethylbenzene	9.581	91	259315	10.720	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.628	131	55803	10.518	ug/L		94
76) p/m Xylene	9.765	106	204643	20.145	ug/L		97
77) o Xylene	10.306	106	200814	19.850	ug/L		91
78) Styrene	10.374	104	369388	21.442	ug/L	#	84
80) Bromoform	10.402	173	29032	8.564	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829, ICAL21995 (Sig #1); WG, ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82)	Isopropylbenzene	10.689	105	256600	9.570	ug/L	97
84)	Bromobenzene	11.128	156	67363	9.455	ug/L	97
85)	n-Propylbenzene	11.170	91	324893	10.160	ug/L	98
86)	1,4-Dichlorobutane	11.183	55	59561	9.595	ug/L	96
87)	1,1,2,2-Tetrachloroethane	11.259	83	50974	10.519	ug/L	99
88)	4-Ethyltoluene	11.300	105	267605	9.952	ug/L	96
89)	2-Chlorotoluene	11.334	91	200148M6	10.920	ug/L	
90)	1,3,5-Trimethylbenzene	11.396	105	231165	9.747	ug/L	91
91)	1,2,3-Trichloropropane	11.389	75	40605	9.949	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.444	53	11094	9.361	ug/L #	77
93)	4-Chlorotoluene	11.519	91	206020	10.798	ug/L	90
94)	tert-Butylbenzene	11.732	119	199915	10.011	ug/L	98
97)	1,2,4-Trimethylbenzene	11.814	105	228788	9.989	ug/L	92
98)	sec-Butylbenzene	11.924	105	302715	10.547	ug/L	97
99)	p-Isopropyltoluene	12.082	119	260474	9.930	ug/L	95
100)	1,3-Dichlorobenzene	12.144	146	145420	10.266	ug/L	98
101)	1,4-Dichlorobenzene	12.240	146	145651	9.899	ug/L	99
102)	p-Diethylbenzene	12.452	119	151167	9.472	ug/L	94
103)	n-Butylbenzene	12.507	91	237789	10.912	ug/L	98
104)	1,2-Dichlorobenzene	12.658	146	135180	10.275	ug/L	98
105)	1,2,4,5-Tetramethylben...	13.241	119	235268	9.250	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.433	155	7224	10.460	ug/L	95
107)	1,3,5-Trichlorobenzene	13.468	180	102484	9.787	ug/L	94
108)	Hexachlorobutadiene	14.044	225	42896	10.648	ug/L	96
109)	1,2,4-Trichlorobenzene	14.065	180	85386	9.030	ug/L	97
110)	Naphthalene	14.353	128	152302	8.543	ug/L	100
111)	1,2,3-Trichlorobenzene	14.524	180	73108	8.989	ug/L	98

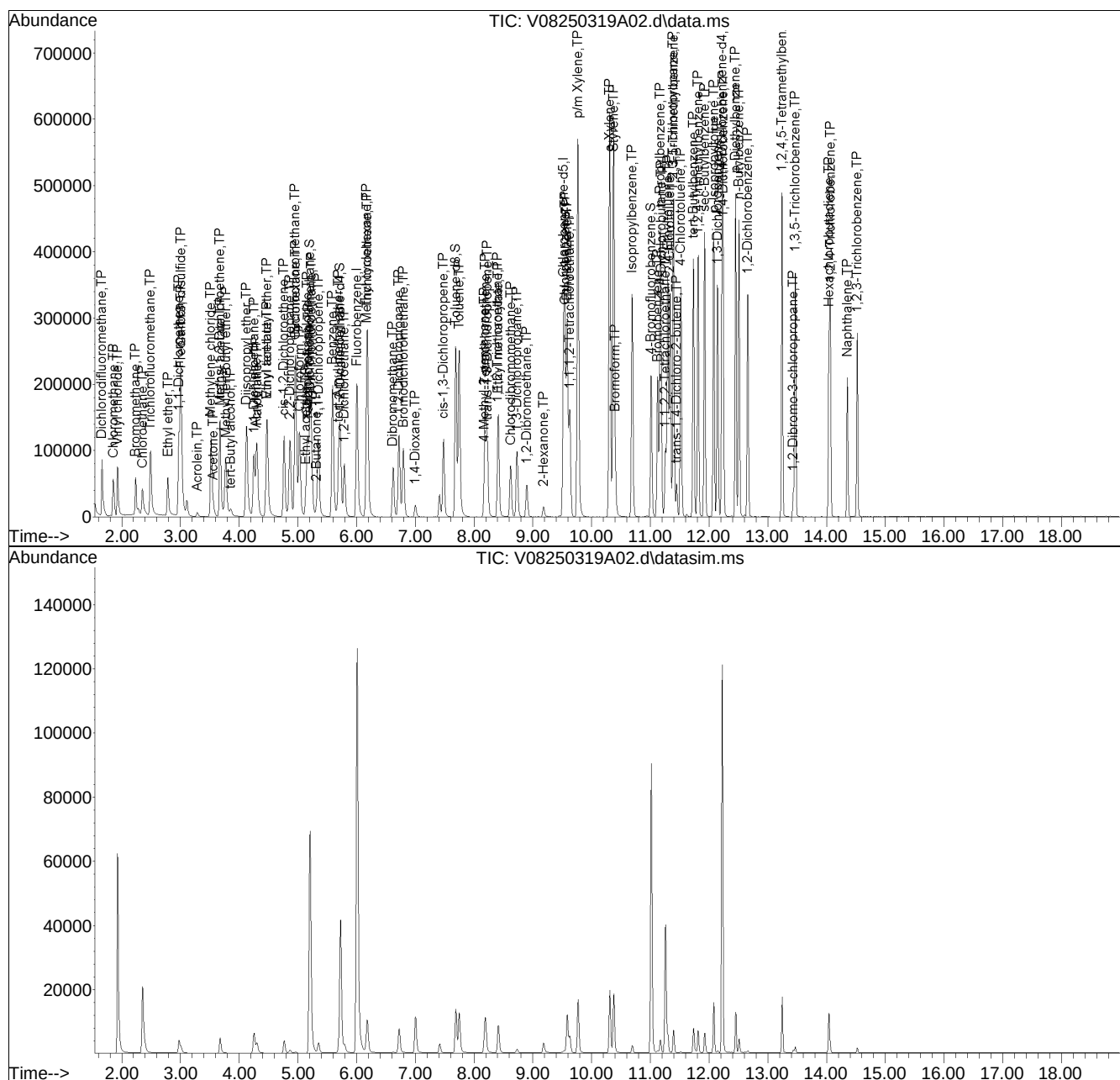
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

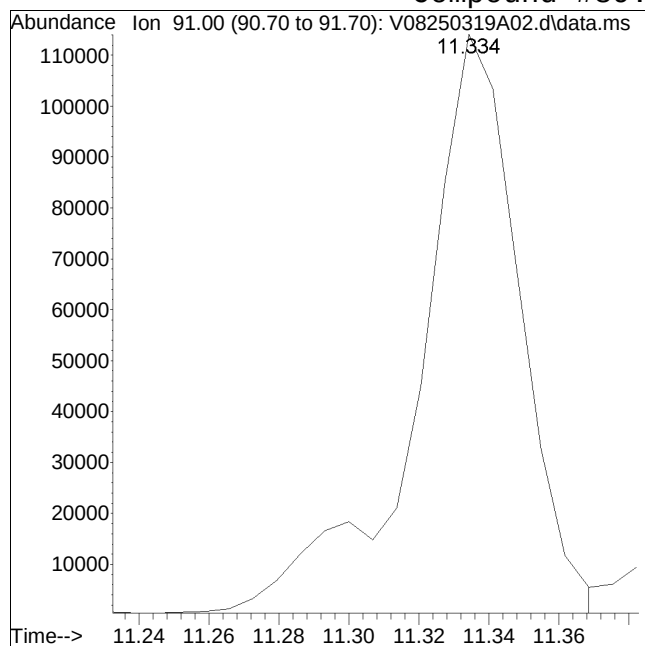
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

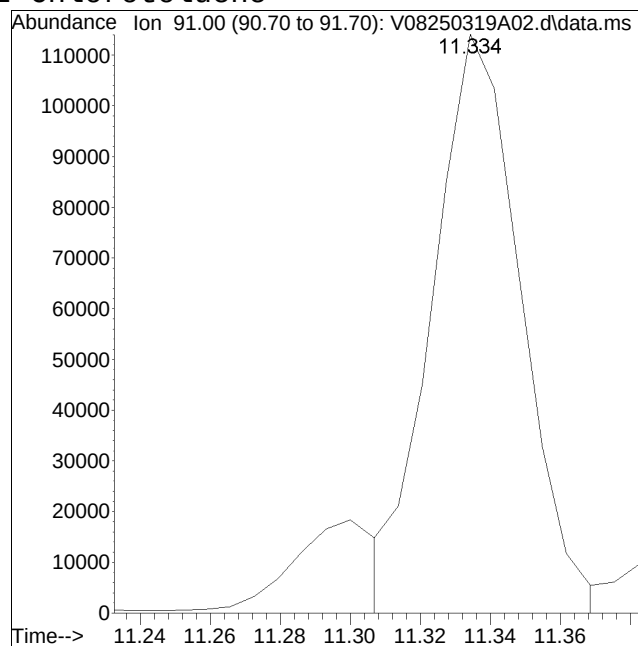
Data Path : K:\V0A108\2025\250319A\ QMethod : V108_250124N_v2_8260.m
Data File : V08250319A02.d Operator : V0A108:PID
Date Inj'd : 3/19/2025 7:08 am Instrument : V0A 108
Sample : WG2042829-2 Quant Date : 3/19/2025 7:51 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 227700

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



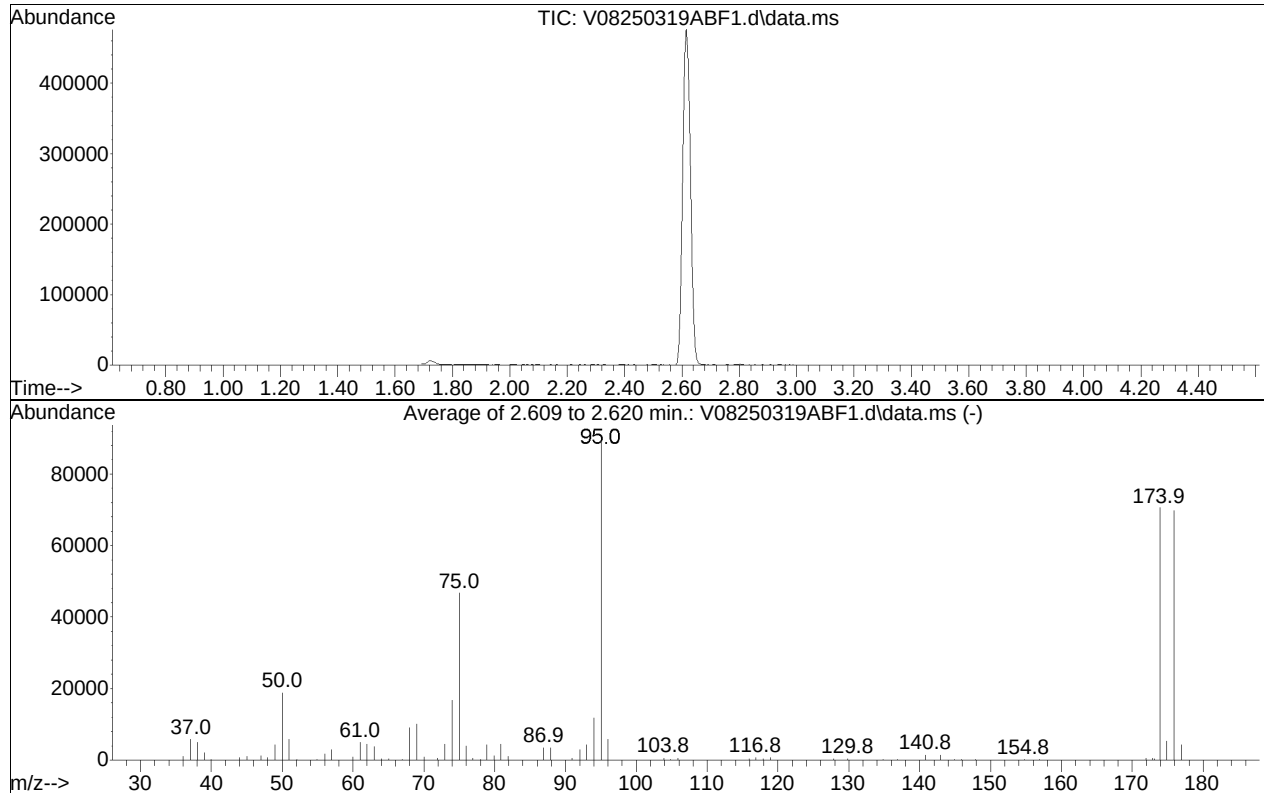
Manual Peak Response = 200148 M6

BFB

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319ABF1.d
 Acq On : 19 Mar 2025 6:30 am
 Operator : VOA108:PID
 Sample : WG2042829-1
 Misc : WG2042829,ICAL21995
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Feb 17 12:19:31 2025



Spectrum Information: Average of 2.609 to 2.620 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	18773	PASS
75	95	30	60	52.4	46779	PASS
95	95	100	100	100.0	89333	PASS
96	95	5	9	6.5	5804	PASS
173	174	0.00	2	0.8	546	PASS
174	95	50	100	79.0	70563	PASS
175	174	5	9	7.6	5348	PASS
176	174	95	101	98.9	69789	PASS
177	176	5	9	6.1	4257	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A05.d
 Acq On : 19 Mar 2025 8:14 am
 Operator : VOA108:PID
 Sample : WG2042829-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 08:49:35 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	6.009	96	178466	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	78.69%	
59) Chlorobenzene-d5	9.526	117	145784	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	86.47%	
79) 1,4-Dichlorobenzene-d4	12.226	152	81359	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	80.98%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	67779	11.676	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	116.76%	
43) 1,2-Dichloroethane-d4	5.721	65	58755	12.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	120.44%	
60) Toluene-d8	7.685	98	181087	9.989	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.89%	
83) 4-Bromofluorobenzene	11.012	95	66925	10.827	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	108.27%	
Target Compounds						
4) Vinyl chloride	0.000		0		N.D.	Qvalue
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	3.519	84	91		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	

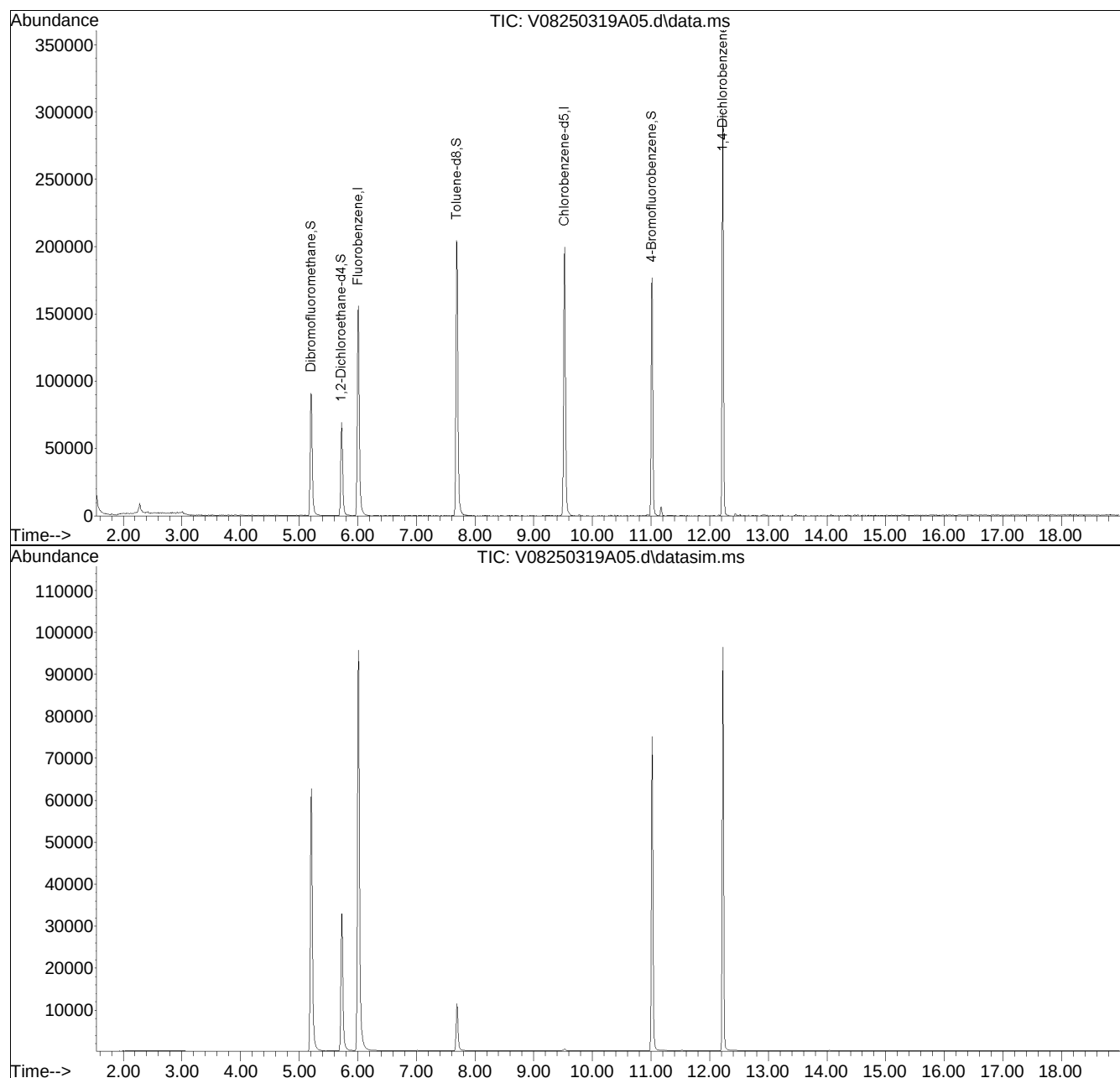
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A05.d
 Acq On : 19 Mar 2025 8:14 am
 Operator : VOA108:PID
 Sample : WG2042829-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 19 08:49:35 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\VOA108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A05.d	Operator	: VOA108:PID
Date Inj'd	: 3/19/2025 8:14 am	Instrument	: VOA 108
Sample	: WG2042829-5,31,10,10	Quant Date	: 3/19/2025 8:48 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A02.d
 Acq On : 19 Mar 2025 7:08 am
 Operator : VOA108:PID
 Sample : WG2042829-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	6.009	96	226799	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.526	117	168594	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	12.219	152	100471	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	72791	9.867	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.67%	
43) 1,2-Dichloroethane-d4	5.721	65	73944	11.927	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	119.27%	
60) Toluene-d8	7.685	98	228626	10.905	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	109.05%	
83) 4-Bromofluorobenzene	11.012	95	78833	10.327	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.27%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.930	62	69275	8.947	ug/L	94
10) 1,1-Dichloroethene	2.974	96	51230	9.882	ug/L #	66
15) Methylene chloride	3.519	84	63793	11.063	ug/L	74
28) cis-1,2-Dichloroethene	4.763	96	66083	9.998	ug/L #	67
32) Chloroform	5.029	83	114038	10.680	ug/L	97
34) Carbon tetrachloride	5.162	117	85815	10.003	ug/L	97
37) 1,1,1-Trichloroethane	5.228	97	97184	10.510	ug/L #	90
48) Trichloroethene	6.180	95	61837	10.259	ug/L	94
63) Tetrachloroethene	8.191	166	54866	10.154	ug/L	94

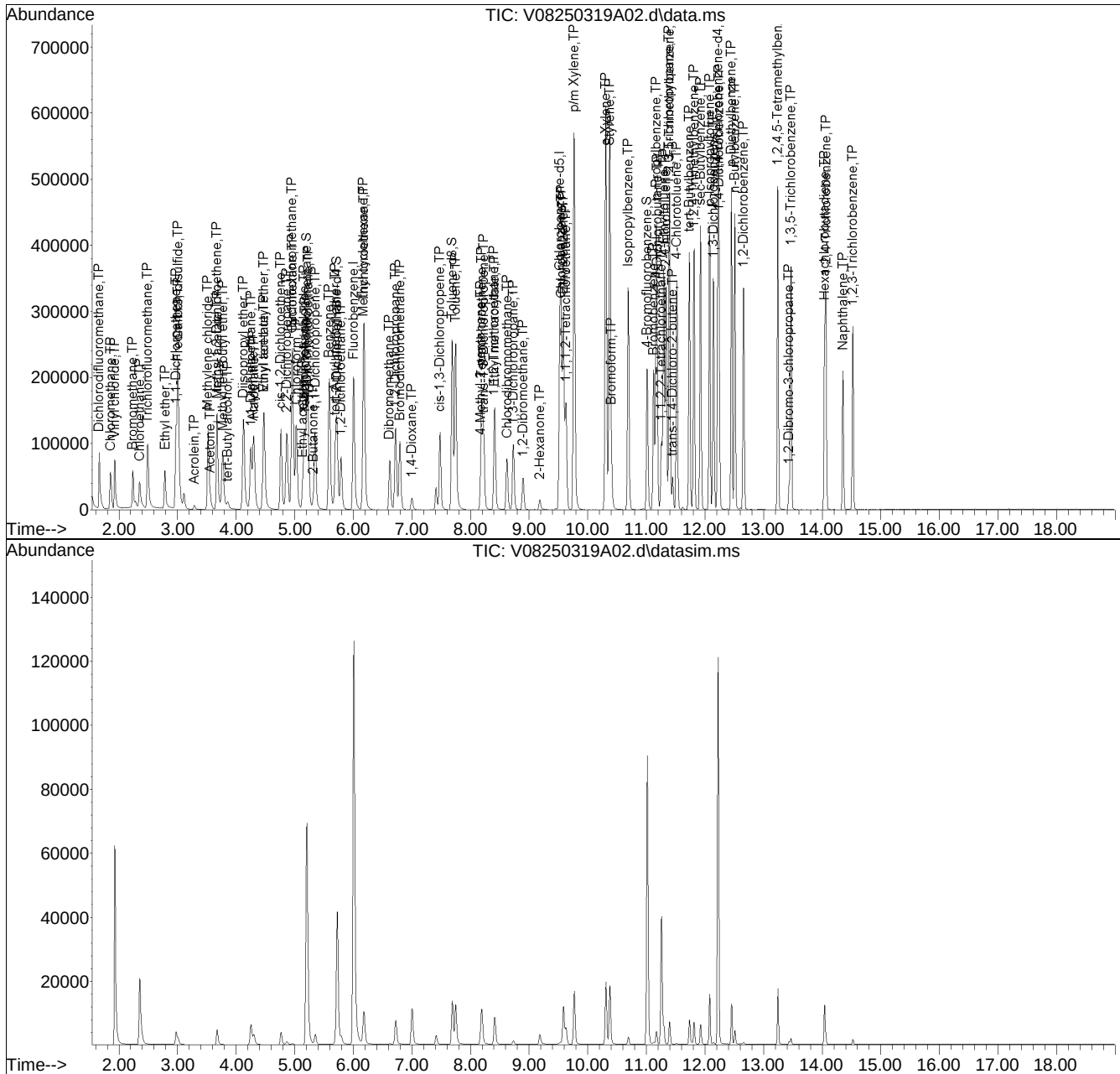
(#) = qualifier out of range (m) = manual integration (+) = signals summed

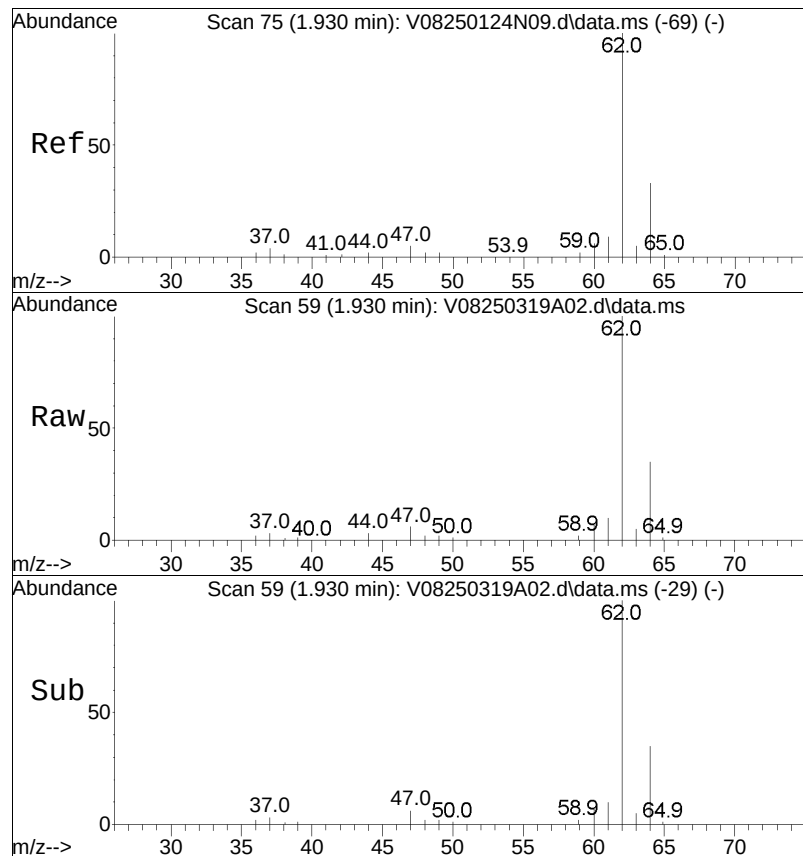
(QT Reviewed)

Data Path : K:\VOA108\2025\250319\
Data File : V08250319A02.d
Acq On : 19 Mar 2025 7:08 am
Operator : VOA108:PID
Sample : WG2042829-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 07:52:38 2025
Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

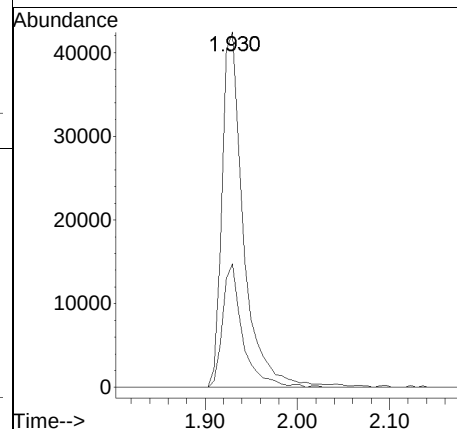
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

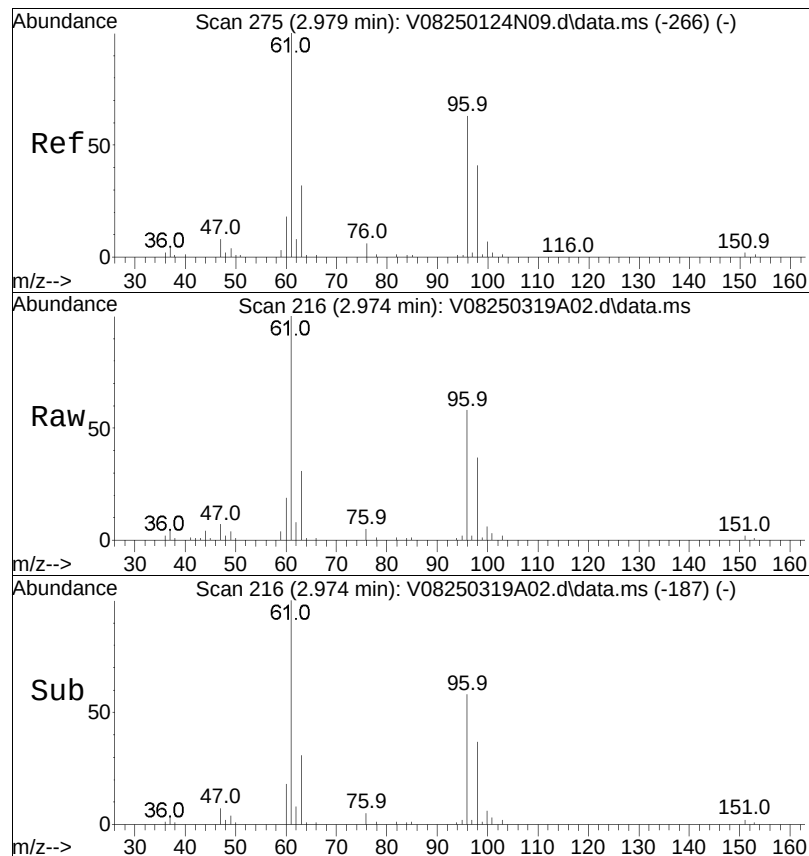




#4
 Vinyl chloride
 Concen: 8.95 ug/L
 RT: 1.930 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

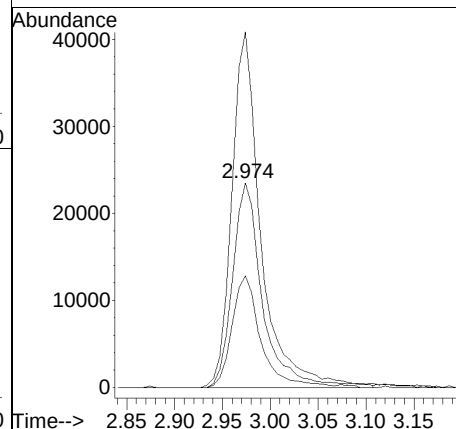
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	9.1	49.1

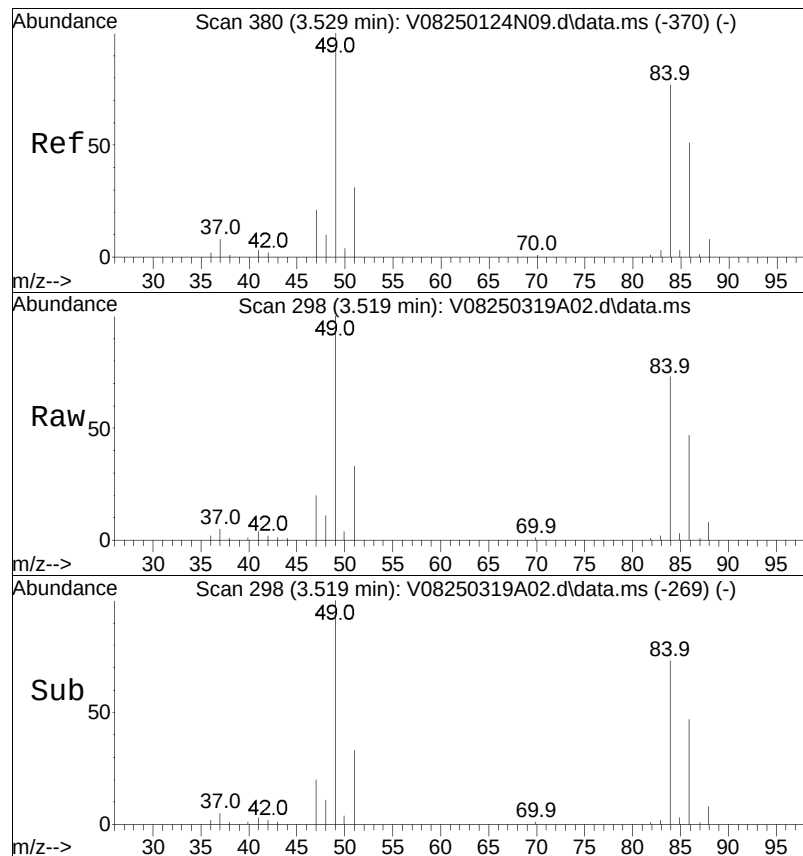




#10
 1,1-Dichloroethene
 Concen: 9.88 ug/L
 RT: 2.974 min Scan# 216
 Delta R.T. -0.005 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

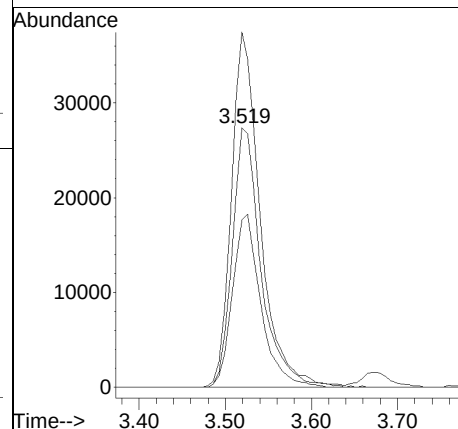
Tgt Ion:	96	Resp:	51230
Ion Ratio	Lower	Upper	
96	100		
61	169.8	186.1	279.1#
63	52.3	57.6	86.4#

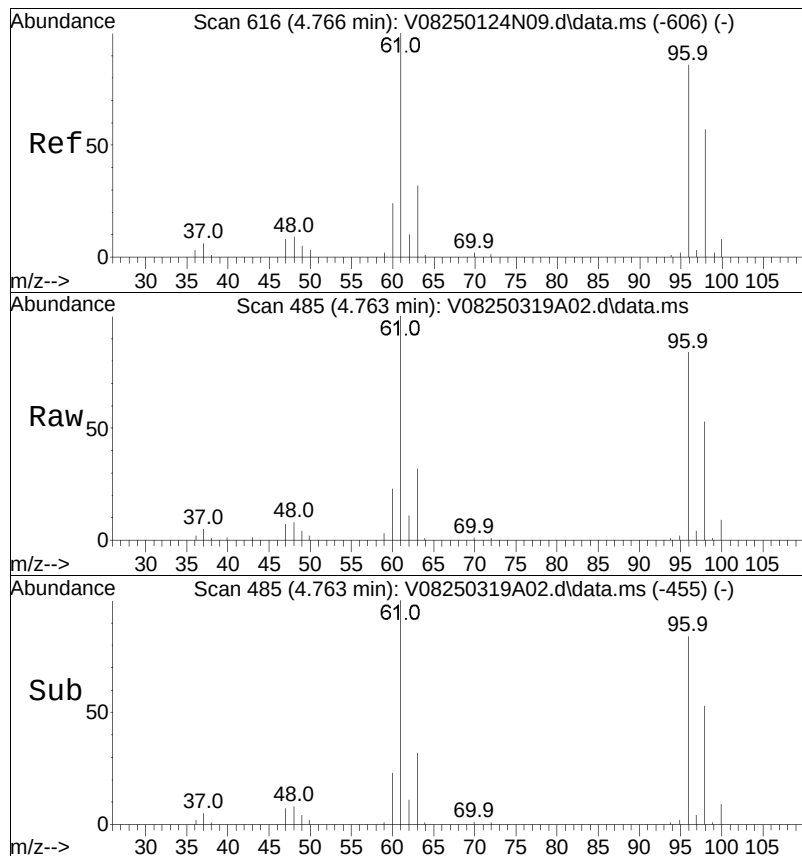




#15
 Methylene chloride
 Concen: 11.06 ug/L
 RT: 3.519 min Scan# 298
 Delta R.T. -0.010 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

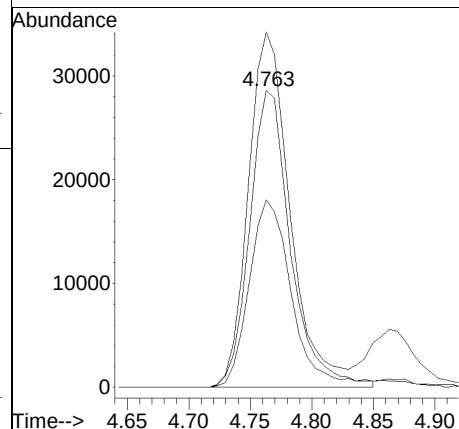
Tgt Ion:	84	Resp:	63793
Ion Ratio	Lower	Upper	
84	100		
86	65.7	40.4	83.8
49	136.4	120.0	249.2

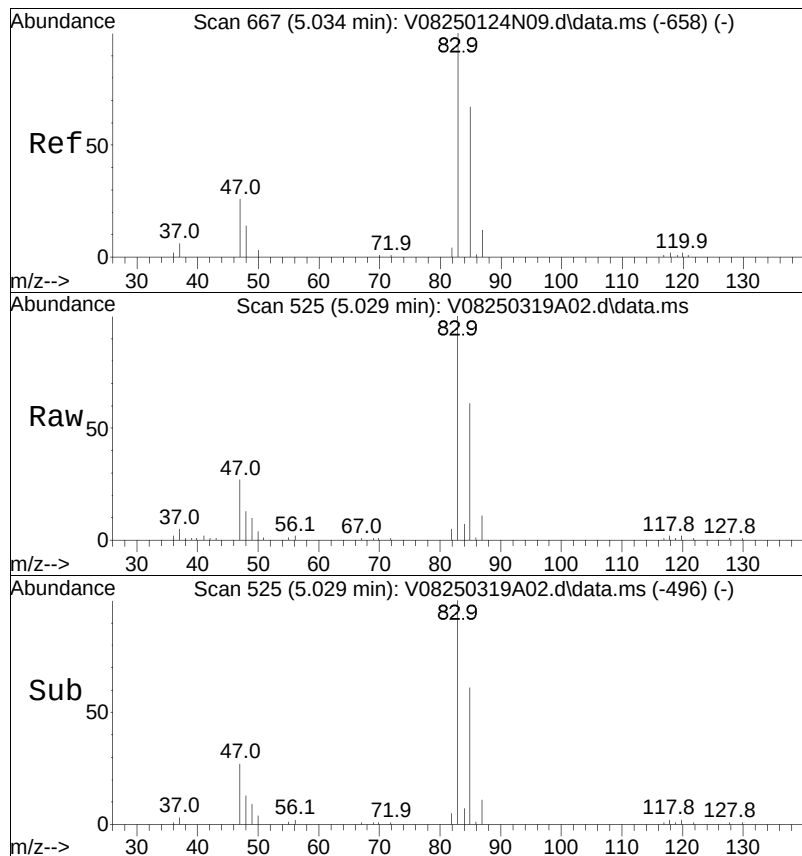




#28
 cis-1,2-Dichloroethene
 Concen: 10.00 ug/L
 RT: 4.763 min Scan# 485
 Delta R.T. -0.003 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

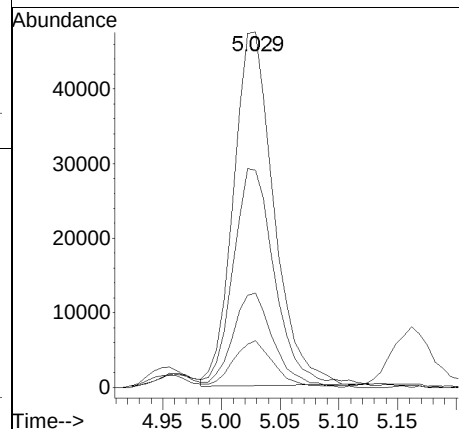
Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.0	149.4	224.2#
98	65.6	53.4	80.2

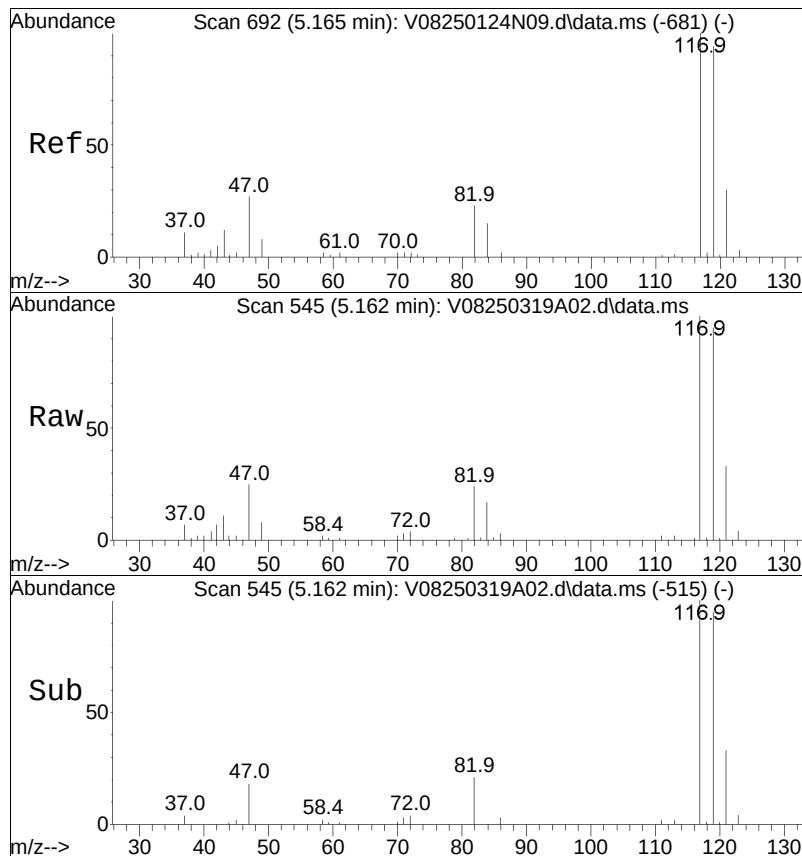




#32
 Chloroform
 Concen: 10.68 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

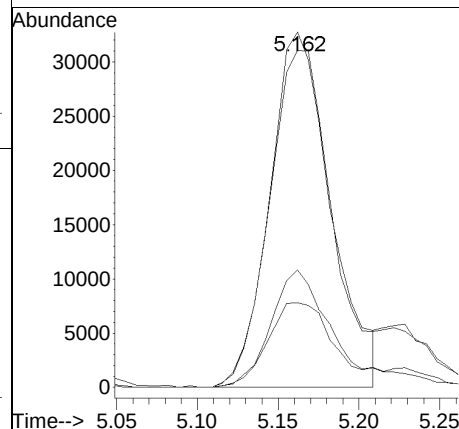
Tgt	Ion: 83	Resp:	114038
Ion	Ratio	Lower	Upper
83	100		
85	63.2	41.5	86.1
47	25.6	19.0	39.4
48	13.2	9.9	20.5

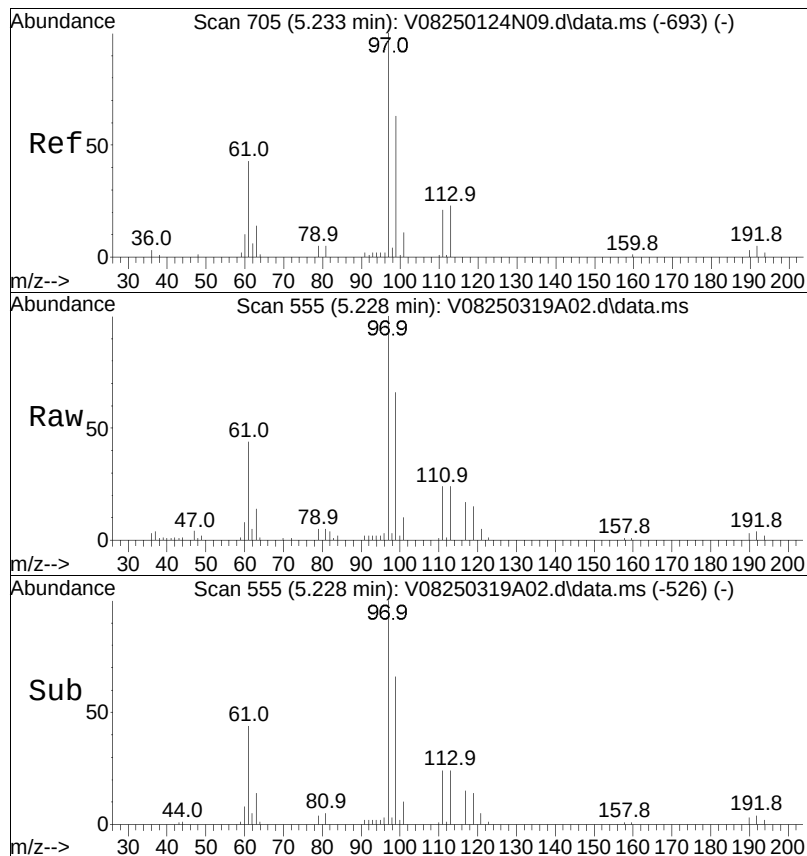




#34
 Carbon tetrachloride
 Concen: 10.00 ug/L
 RT: 5.162 min Scan# 545
 Delta R.T. -0.003 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

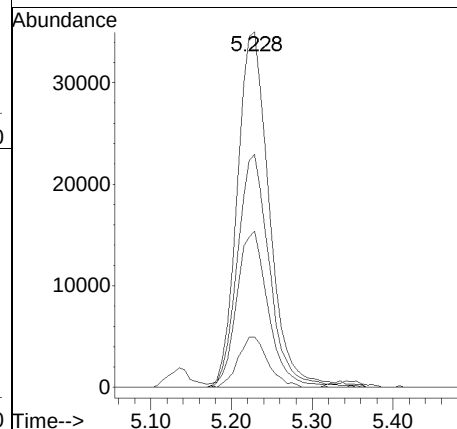
Tgt Ion:	117	Resp:	85815
Ion Ratio	Lower	Upper	
117	100		
119	98.0	62.4	129.6
121	32.5	19.5	40.5
82	29.7	17.0	35.4

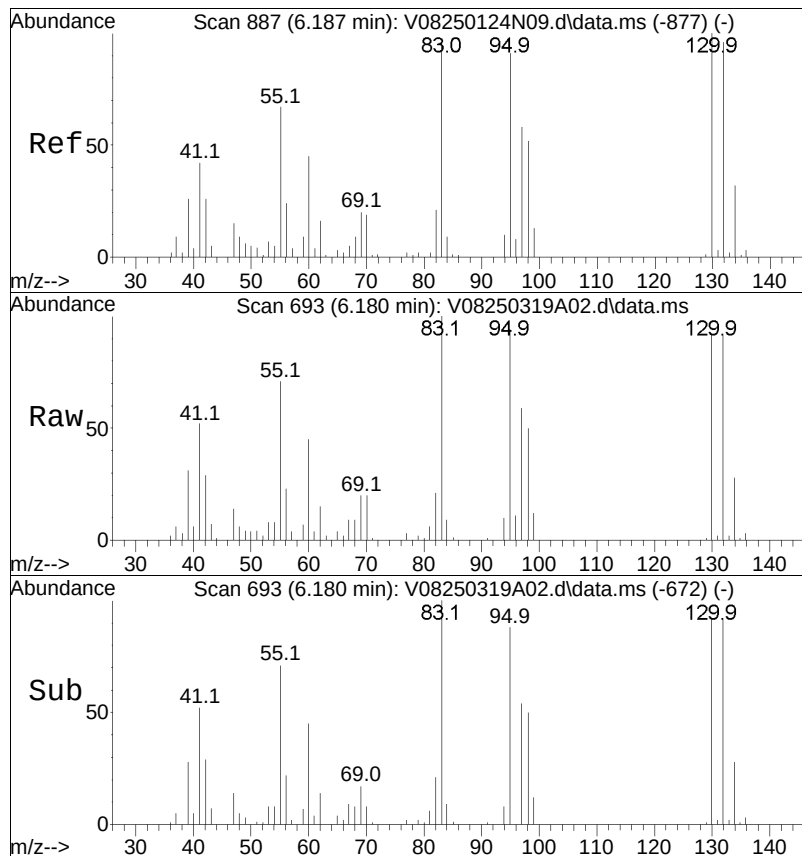




#37
 1,1,1-Trichloroethane
 Concen: 10.51 ug/L
 RT: 5.228 min Scan# 555
 Delta R.T. -0.005 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

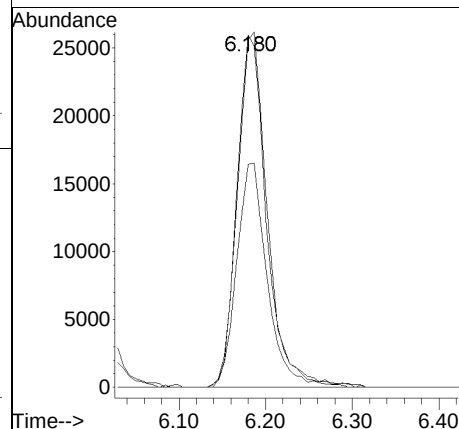
Tgt Ion:	97	Resp:	97184
Ion Ratio	Lower	Upper	
97	100		
99	65.4	40.7	84.5
61	43.3	35.4	73.4
63	13.3	5.0	10.4#

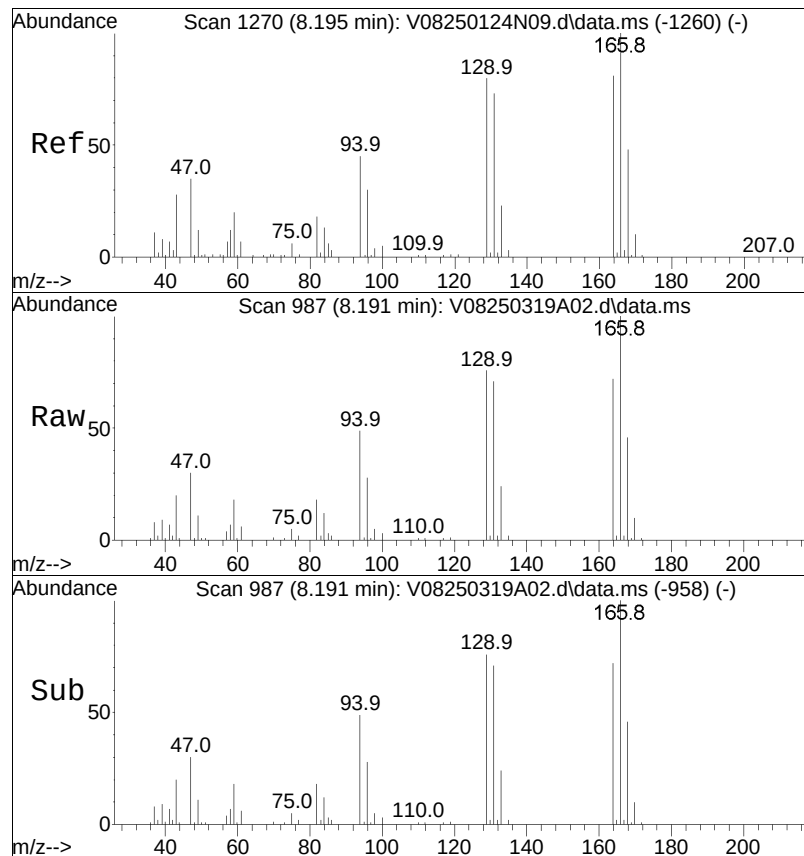




#48
 Trichloroethene
 Concen: 10.26 ug/L
 RT: 6.180 min Scan# 693
 Delta R.T. -0.007 min
 Lab File: V08250319A02.d
 Acq: 19 Mar 2025 7:08 am

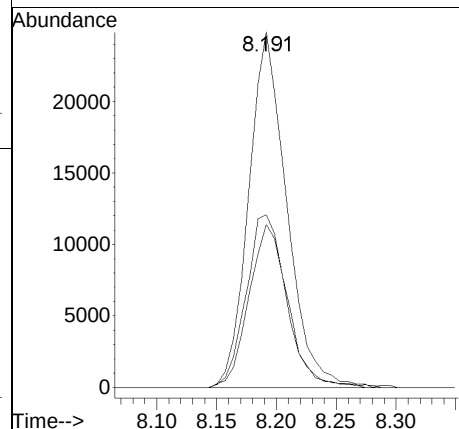
Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.7	55.5	83.3
130	101.9	76.6	115.0





#63
Tetrachloroethene
Concen: 10.15 ug/L
RT: 8.191 min Scan# 987
Delta R.T. -0.004 min
Lab File: V08250319A02.d
Acq: 19 Mar 2025 7:08 am

Tgt	Ion:166	Resp:	54866
Ion	Ratio	Lower	Upper
166	100		
168	47.2	28.2	68.2
94	51.8	38.4	78.4



Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A03.d
 Acq On : 19 Mar 2025 7:30 am
 Operator : VOA108:PID
 Sample : WG2042829-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 19 07:54:58 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	6.002	96	210031	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	92.61%	
59) Chlorobenzene-d5	9.526	117	159942	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	94.87%	
79) 1,4-Dichlorobenzene-d4	12.226	152	93727	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	93.29%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	71864	10.519	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	105.19%	
43) 1,2-Dichloroethane-d4	5.721	65	69364	12.082	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	120.82%	
60) Toluene-d8	7.685	98	212968	10.707	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	107.07%	
83) 4-Bromofluorobenzene	11.012	95	75254	10.568	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	105.68%	
Target Compounds						Qvalue
4) Vinyl chloride	1.930	62	68062	9.493	ug/L	96
10) 1,1-Dichloroethene	2.974	96	51309	10.688	ug/L #	61
15) Methylene chloride	3.526	84	63582	11.907	ug/L	74
28) cis-1,2-Dichloroethene	4.763	96	65235	10.658	ug/L #	65
32) Chloroform	5.029	83	111427	11.268	ug/L	97
34) Carbon tetrachloride	5.162	117	79997	10.069	ug/L	99
37) 1,1,1-Trichloroethane	5.222	97	89018	10.395	ug/L #	90
48) Trichloroethene	6.180	95	54598	9.782	ug/L	95
63) Tetrachloroethene	8.191	166	48670	9.494	ug/L	96

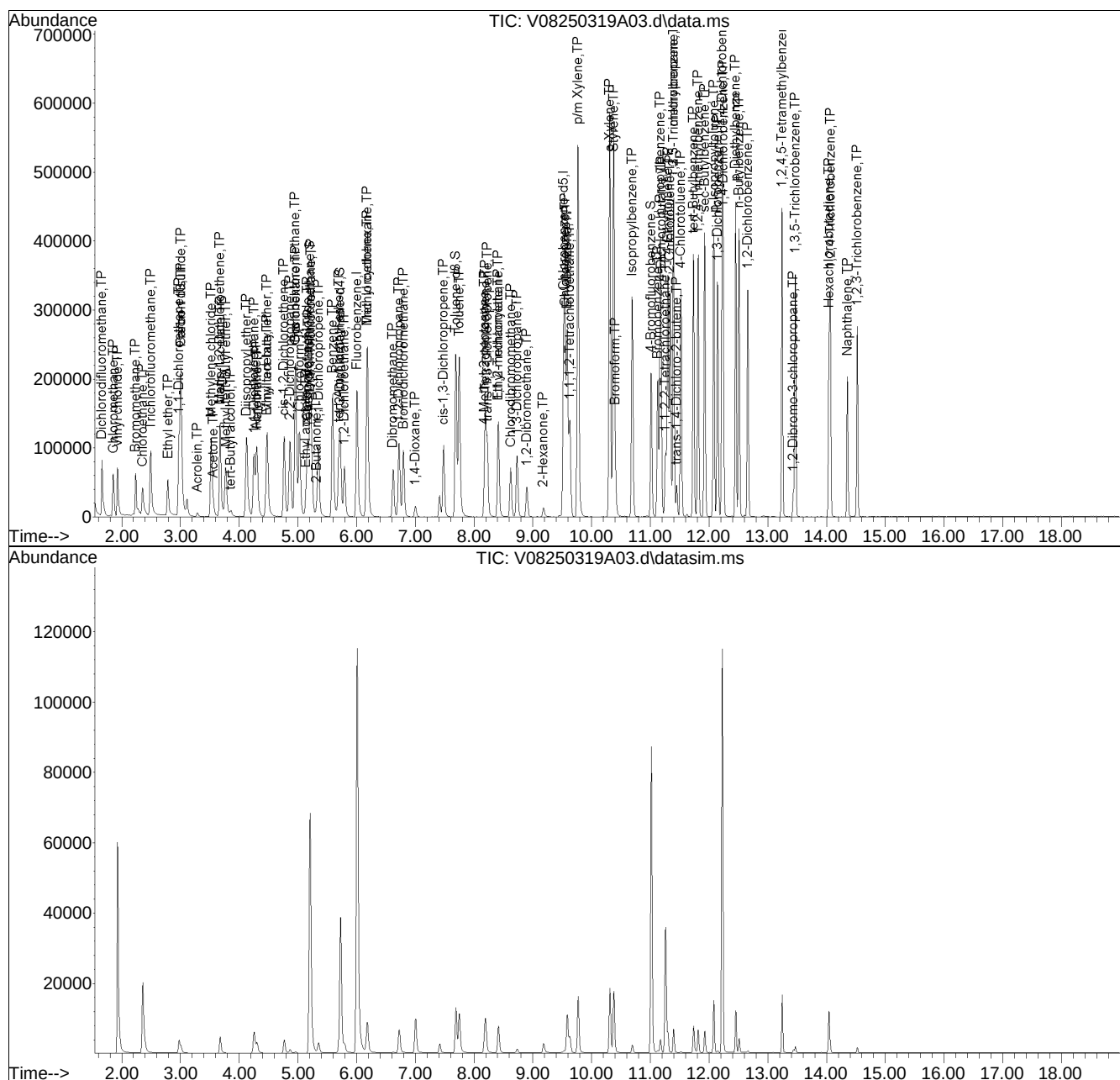
(#) = qualifier out of range (m) = manual integration (+) = signals summed

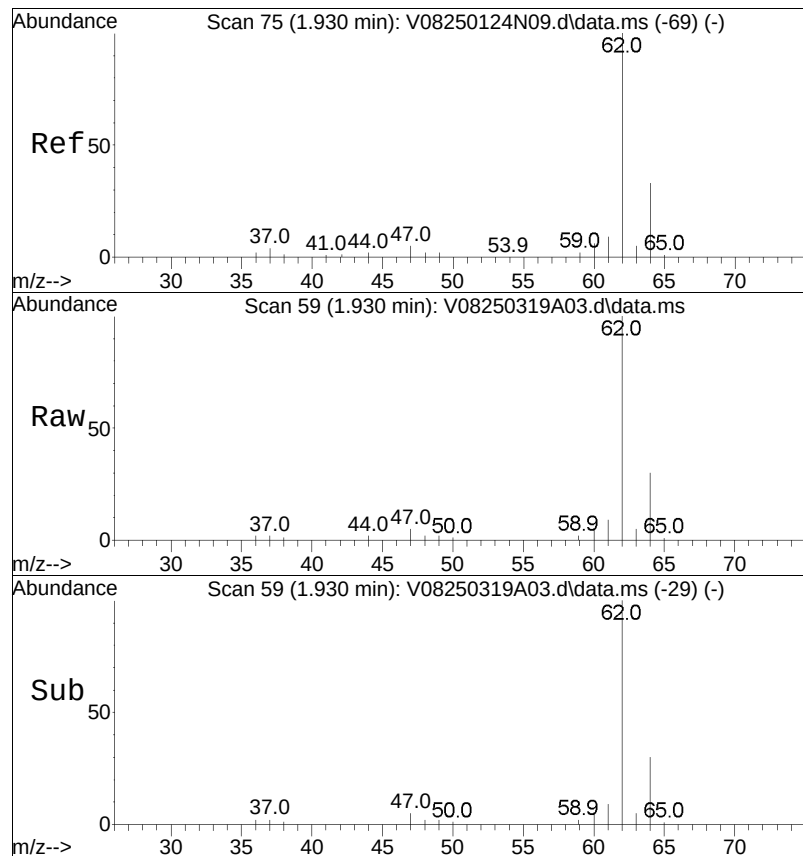
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A03.d
 Acq On : 19 Mar 2025 7:30 am
 Operator : VOA108:PID
 Sample : WG2042829-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 19 07:54:58 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

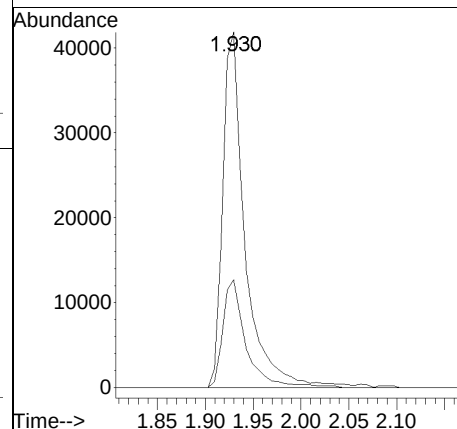
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

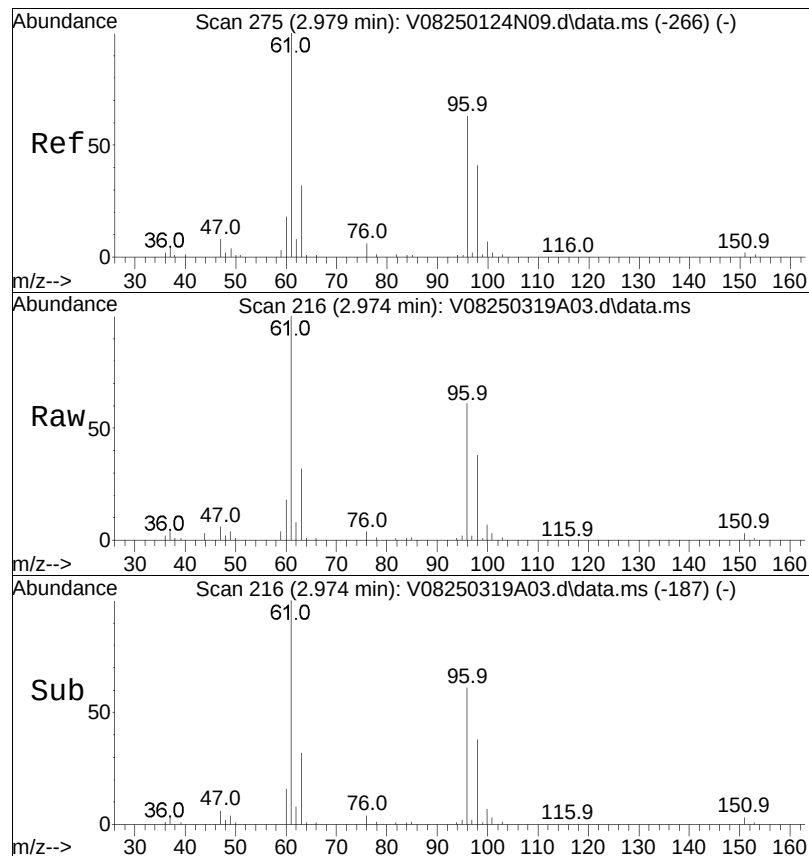




#4
 Vinyl chloride
 Concen: 9.49 ug/L
 RT: 1.930 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

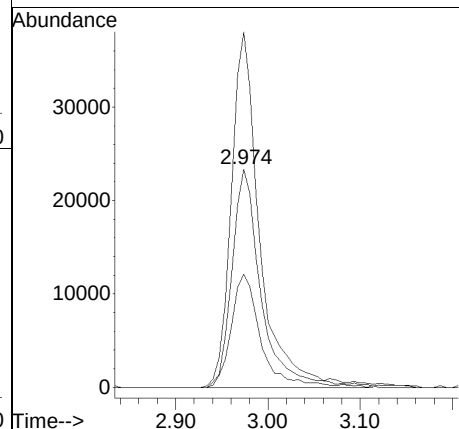
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.0	9.1	49.1

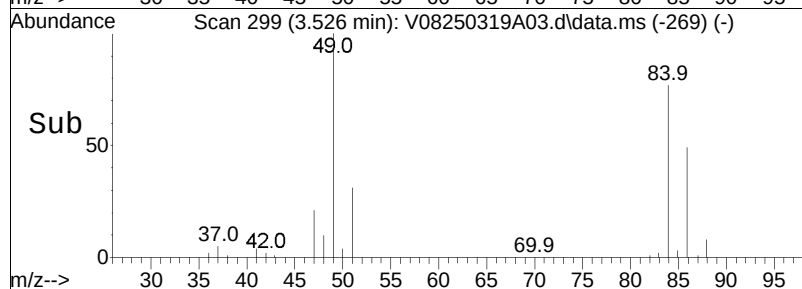
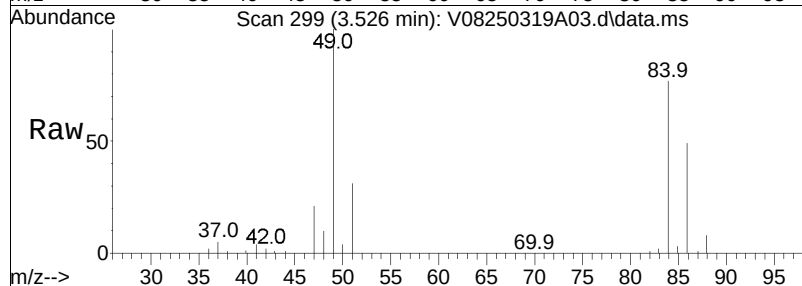
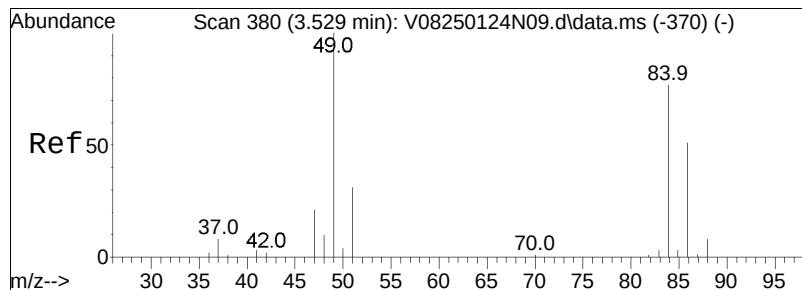




#10
 1,1-Dichloroethene
 Concen: 10.69 ug/L
 RT: 2.974 min Scan# 216
 Delta R.T. -0.005 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

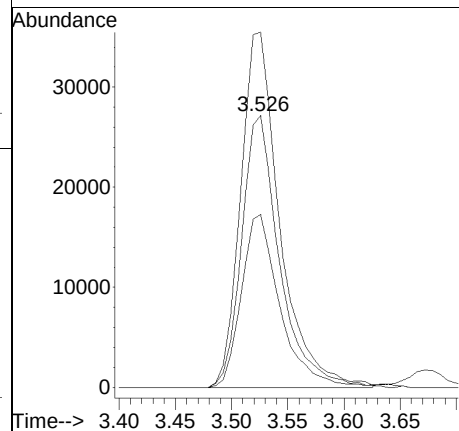
Tgt Ion:	96	Resp:	51309
Ion Ratio	Lower	Upper	
96	100		
61	160.6	186.1	279.1#
63	52.0	57.6	86.4#

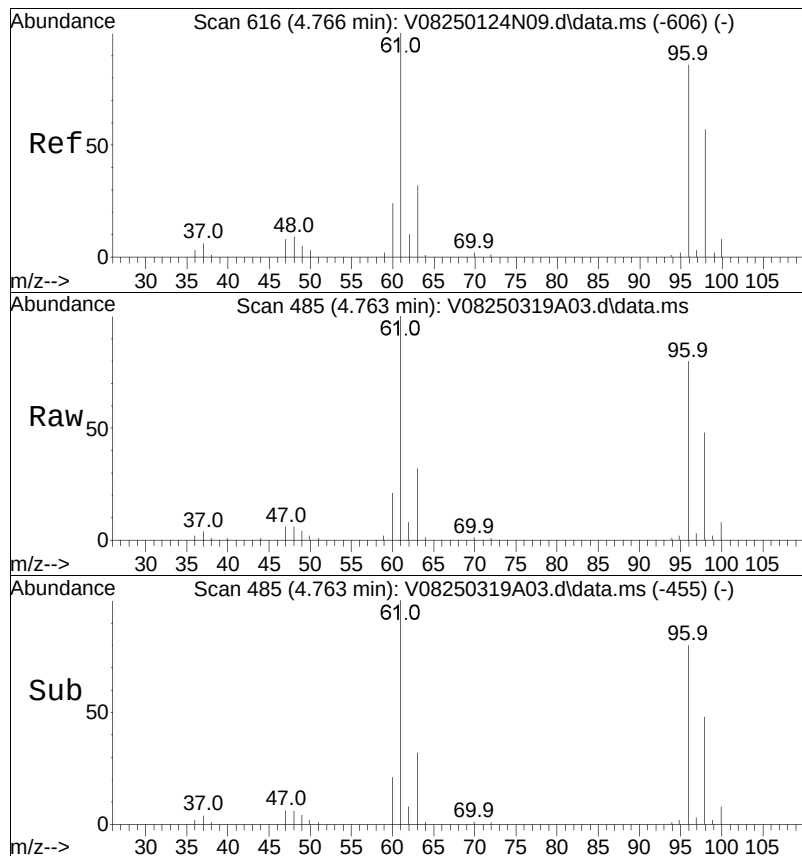




#15
Methylene chloride
Concen: 11.91 ug/L
RT: 3.526 min Scan# 299
Delta R.T. -0.003 min
Lab File: V08250319A03.d
Acq: 19 Mar 2025 7:30 am

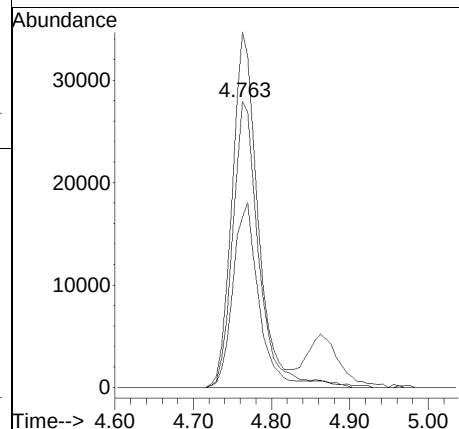
Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.9	40.4	83.8
49	135.4	120.0	249.2

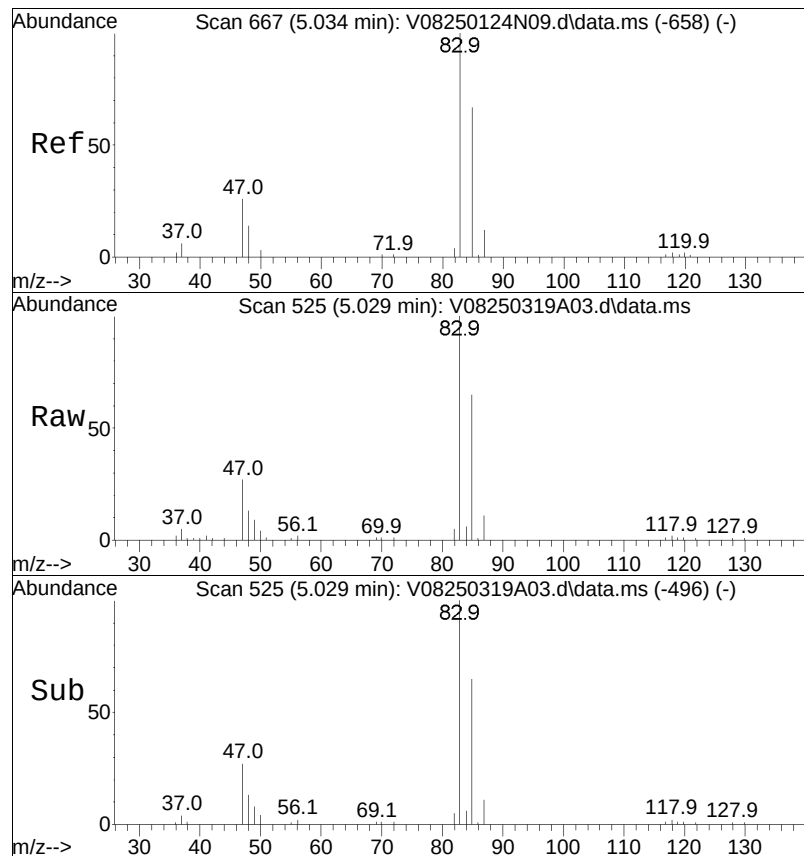




#28
 cis-1,2-Dichloroethene
 Concen: 10.66 ug/L
 RT: 4.763 min Scan# 485
 Delta R.T. -0.003 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

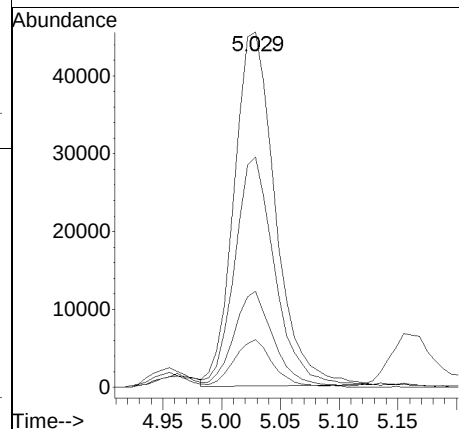
Tgt Ion:	96	Resp:	65235
Ion Ratio	Lower	Upper	
96	100		
61	119.7	149.4	224.2#
98	63.5	53.4	80.2

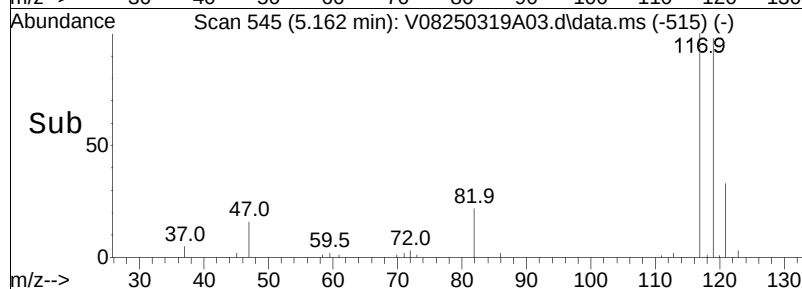
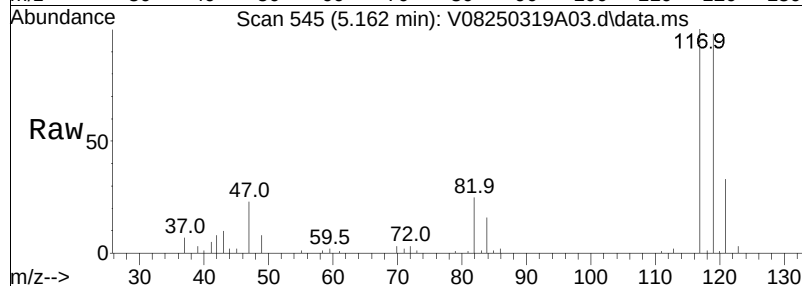
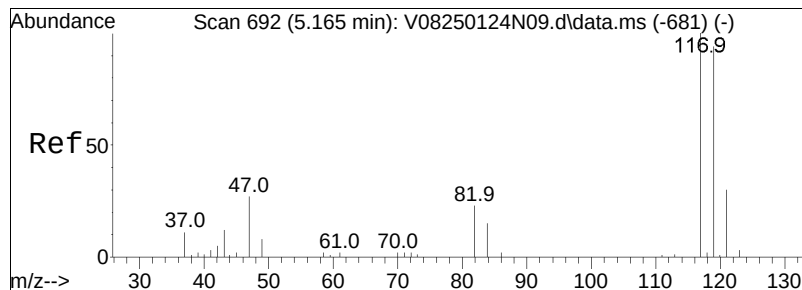




#32
 Chloroform
 Concen: 11.27 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

Tgt Ion: 83	Resp: 111427
Ion Ratio	Lower Upper
83 100	
85 63.0	41.5 86.1
47 25.0	19.0 39.4
48 13.0	9.9 20.5





#34

Carbon tetrachloride

Concen: 10.07 ug/L

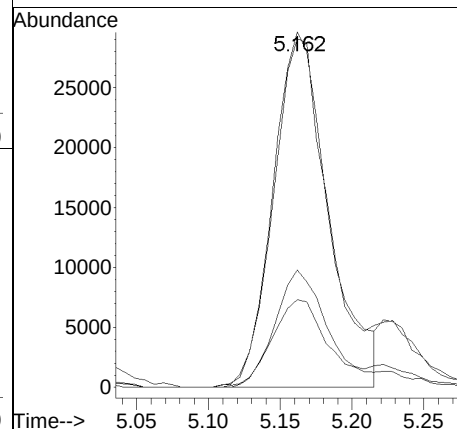
RT: 5.162 min Scan# 545

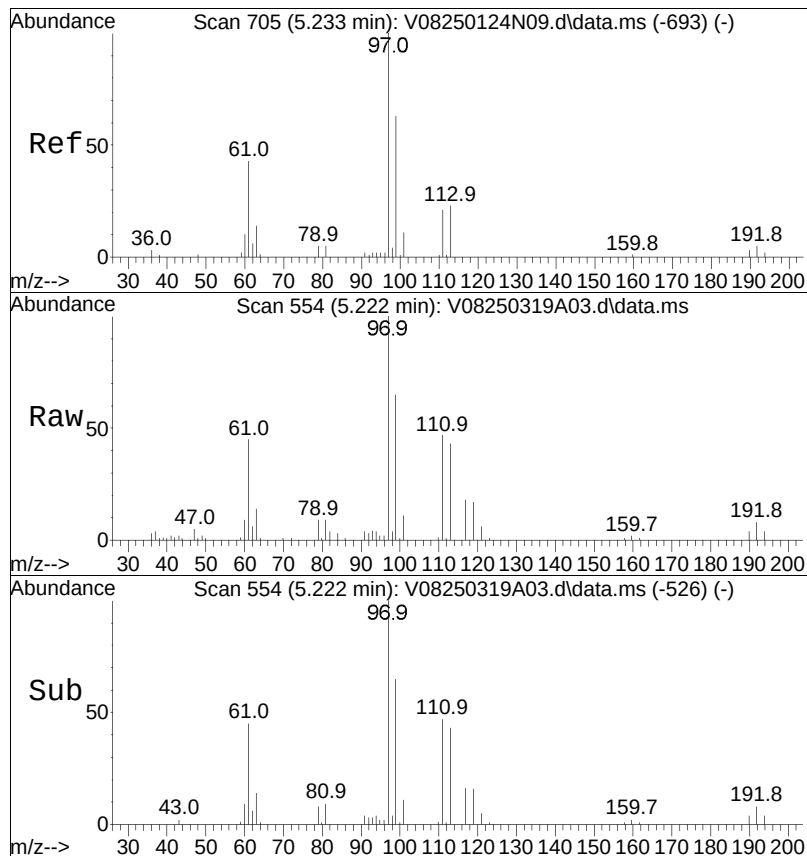
Delta R.T. -0.003 min

Lab File: V08250319A03.d

Acq: 19 Mar 2025 7:30 am

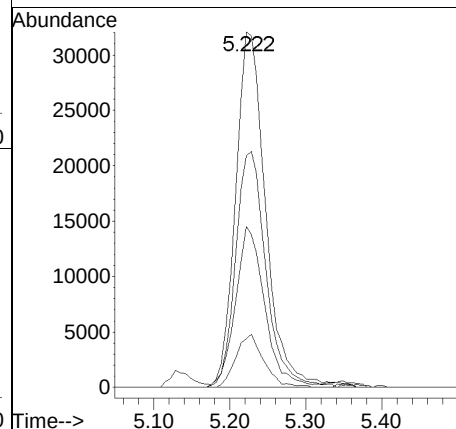
Tgt	Ion:117	Resp:	79997
Ion	Ratio	Lower	Upper
117	100		
119	95.5	62.4	129.6
121	30.9	19.5	40.5
82	28.6	17.0	35.4

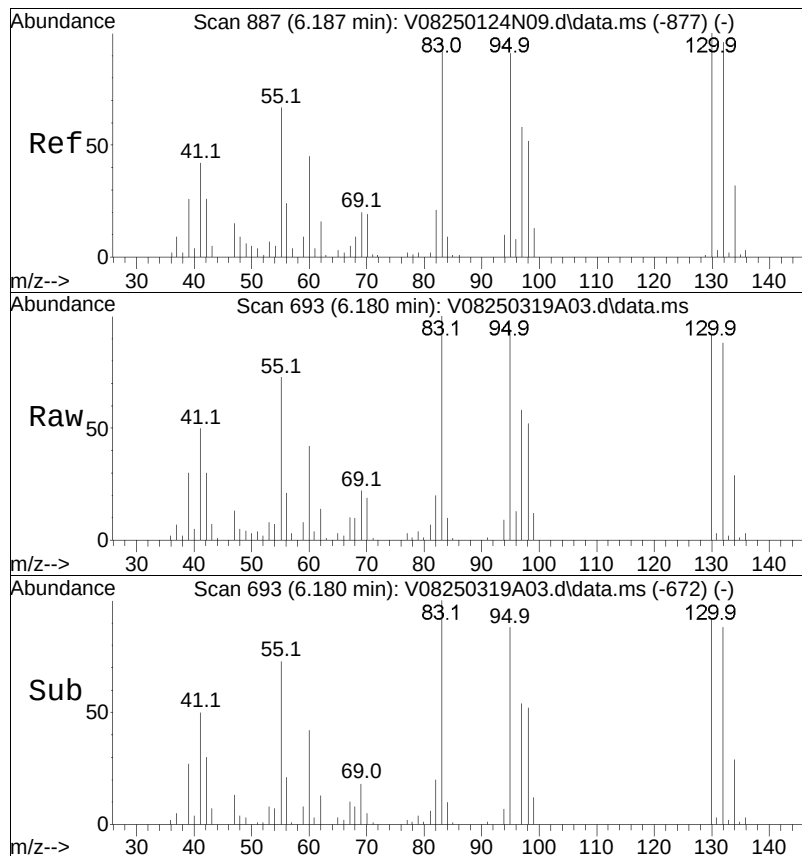




#37
 1,1,1-Trichloroethane
 Concen: 10.40 ug/L
 RT: 5.222 min Scan# 554
 Delta R.T. -0.011 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

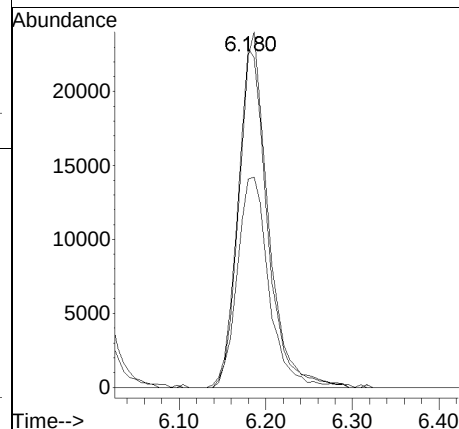
Tgt Ion:	97	Resp:	89018
Ion Ratio	Lower	Upper	
97	100		
99	66.5	40.7	84.5
61	43.5	35.4	73.4
63	13.8	5.0	10.4#

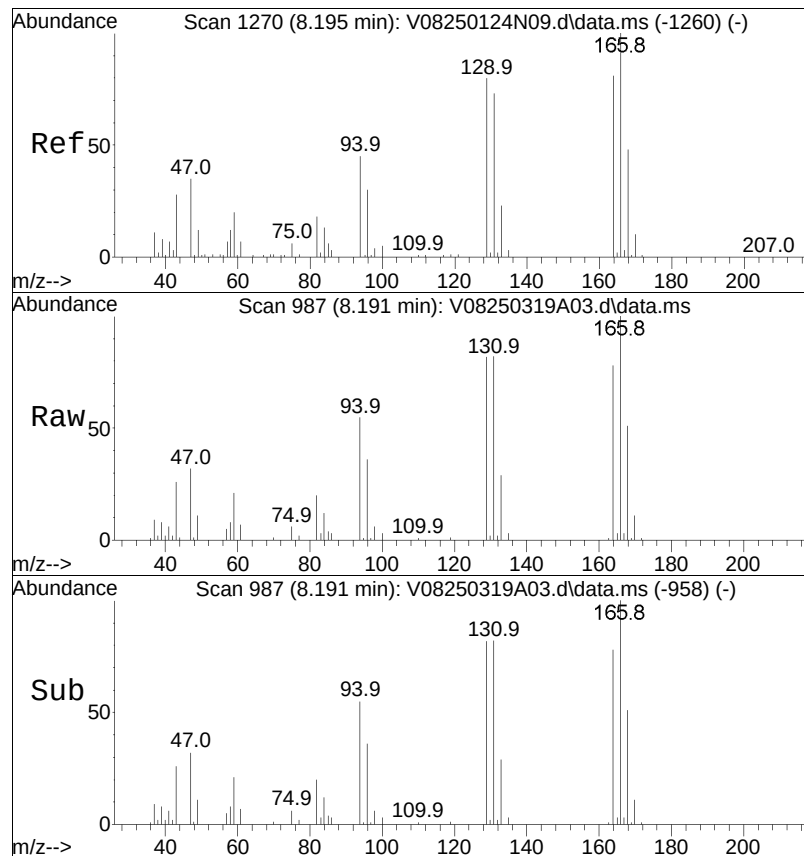




#48
 Trichloroethene
 Concen: 9.78 ug/L
 RT: 6.180 min Scan# 693
 Delta R.T. -0.007 min
 Lab File: V08250319A03.d
 Acq: 19 Mar 2025 7:30 am

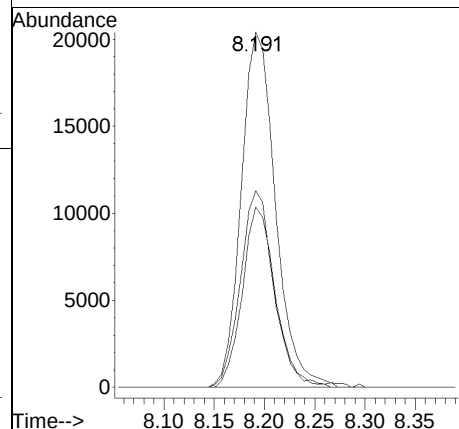
Tgt Ion:	95	Resp:	54598
Ion Ratio	Lower	Upper	
95	100		
97	66.1	55.5	83.3
130	102.0	76.6	115.0





#63
Tetrachloroethene
Concen: 9.49 ug/L
RT: 8.191 min Scan# 987
Delta R.T. -0.004 min
Lab File: V08250319A03.d
Acq: 19 Mar 2025 7:30 am

Tgt	Ion:166	Resp:	48670
Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.2	68.2
94	54.0	38.4	78.4



Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A27.d
 Acq On : 19 Mar 2025 4:33 pm
 Operator : VOA108: MJV
 Sample : WG2042829-6,31,10,10,,A1 (Sig #1); L2514654-03MS,31,10,10,,A1 (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 20 10:53:01 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.009	96	225605	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	99.47%	
59) Chlorobenzene-d5	9.526	117	170459	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	101.11%	
79) 1,4-Dichlorobenzene-d4	12.226	152	102870	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	102.39%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	72053	9.819	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.19%	
43) 1,2-Dichloroethane-d4	5.721	65	74412	12.066	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	120.66%	
60) Toluene-d8	7.692	98	222056	10.475	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	104.75%	
83) 4-Bromofluorobenzene	11.019	95	81098	10.376	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	103.76%	
Target Compounds						
					Qvalue	
4) Vinyl chloride	1.930	62	71639	9.302	ug/L	94
10) 1,1-Dichloroethene	2.974	96	52507	10.182	ug/L #	64
15) Methylene chloride	3.526	84	65838	11.478	ug/L	74
28) cis-1,2-Dichloroethene	4.770	96	69257	10.534	ug/L #	64
32) Chloroform	5.029	83	187177	17.622	ug/L	96
34) Carbon tetrachloride	5.169	117	86542	10.141	ug/L	96
37) 1,1,1-Trichloroethane	5.228	97	99641	10.832	ug/L #	90
48) Trichloroethene	6.187	95	64493	10.757	ug/L	95
63) Tetrachloroethene	8.198	166	168816	30.900	ug/L	96

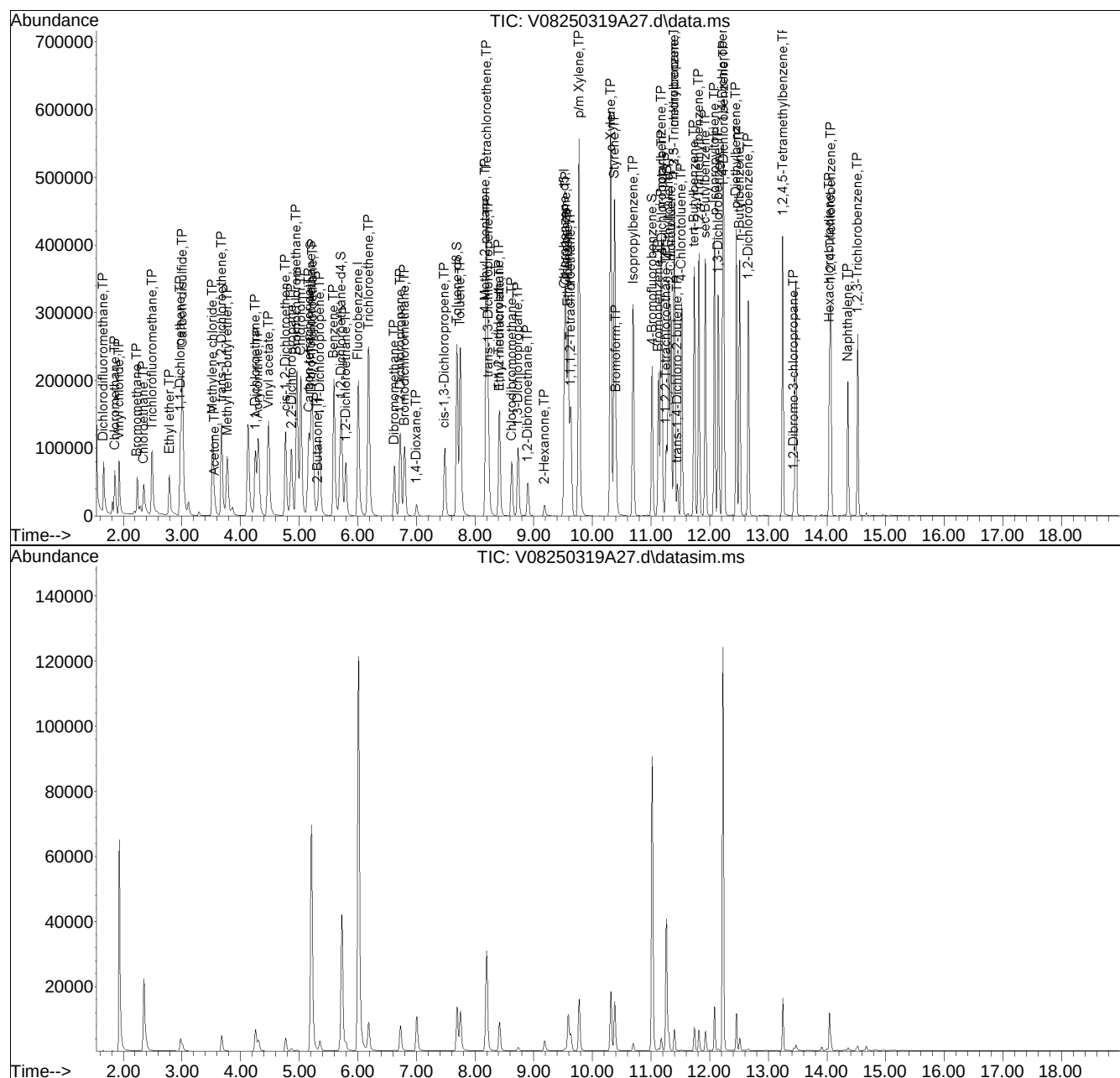
(#) = qualifier out of range (m) = manual integration (+) = signals summed

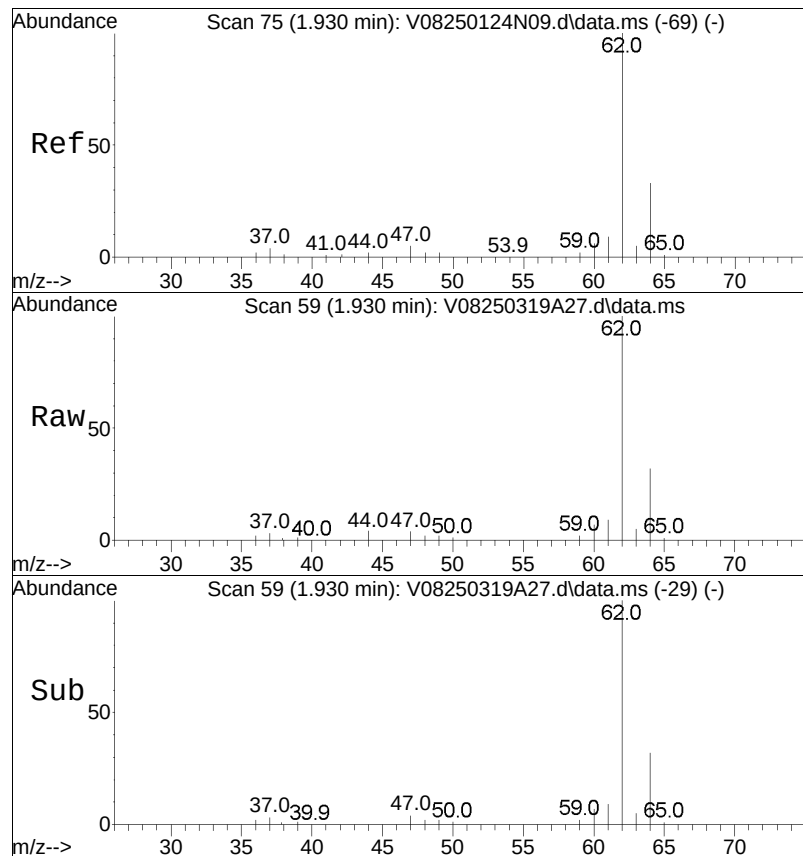
Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A27.d
 Acq On : 19 Mar 2025 4:33 pm
 Operator : VOA108:MJV
 Sample : WG2042829-6,31,10,10,,A1 (Sig #1); L2514654-03MS,31,10,10,,A1 (Sig
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 20 10:53:01 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

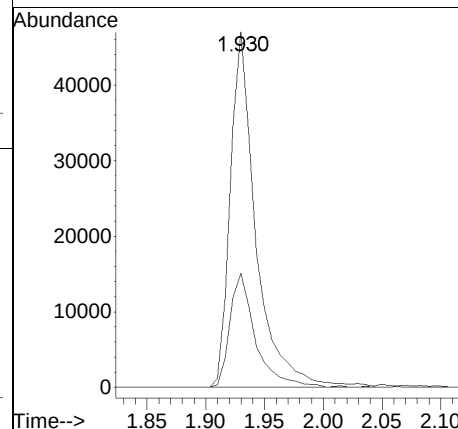
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

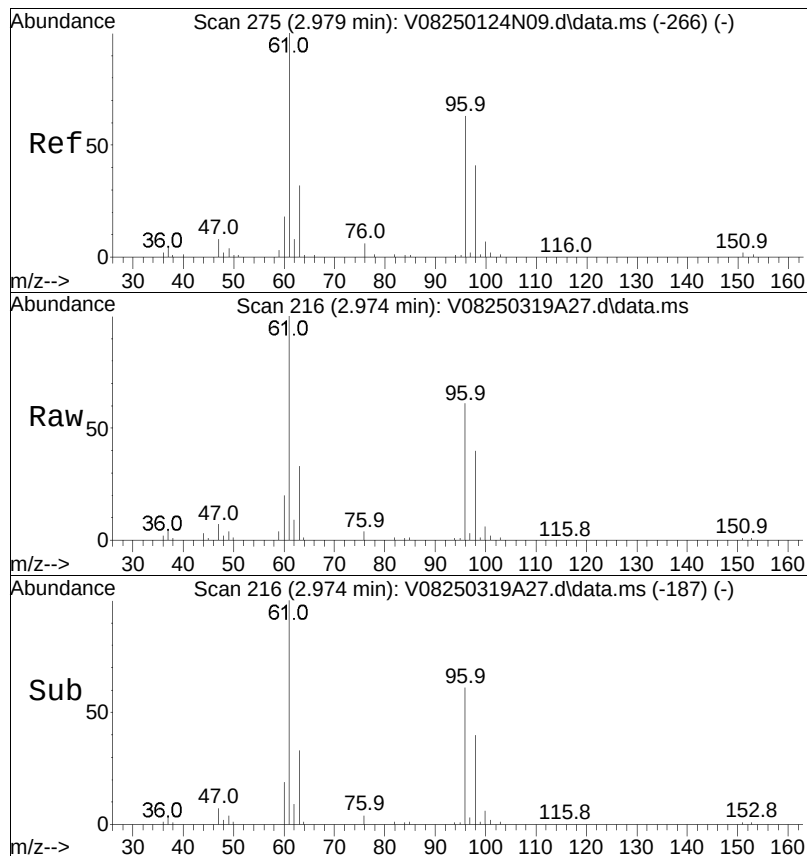




#4
 Vinyl chloride
 Concen: 9.30 ug/L
 RT: 1.930 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

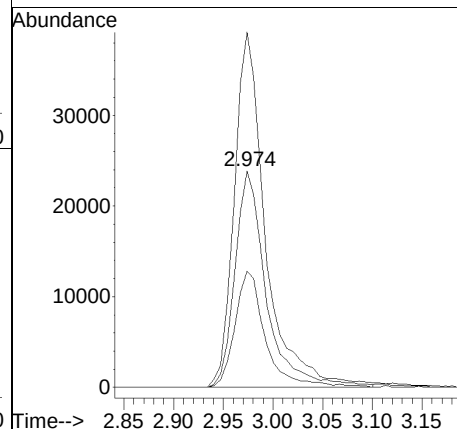
Tgt	Ion	Ratio	Lower	Upper
62	100			
64	32.2	9.1	49.1	

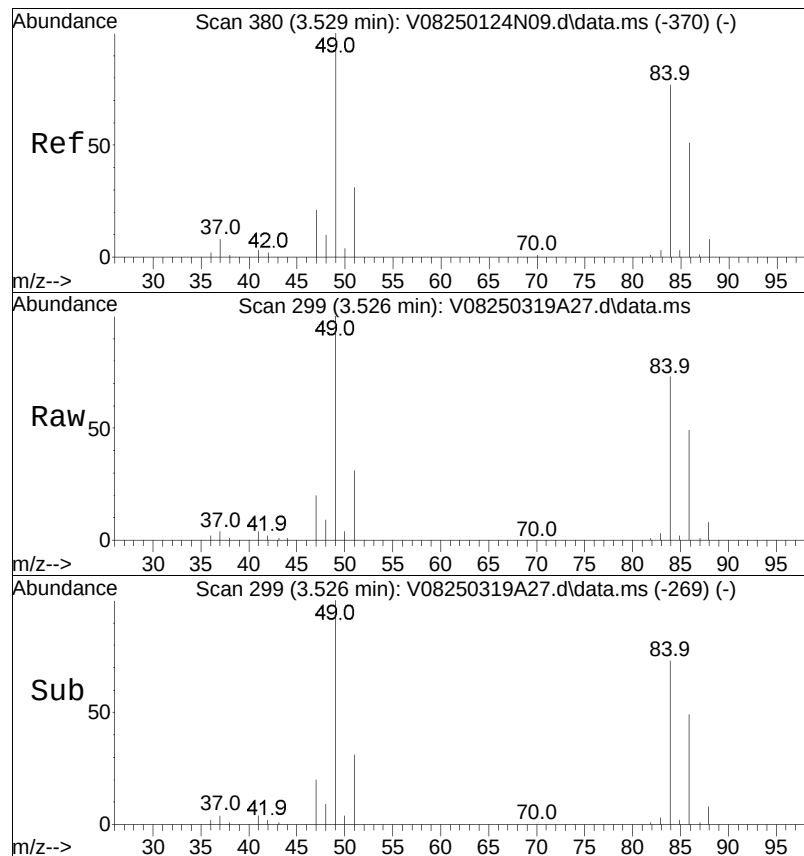




#10
 1,1-Dichloroethene
 Concen: 10.18 ug/L
 RT: 2.974 min Scan# 216
 Delta R.T. -0.005 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

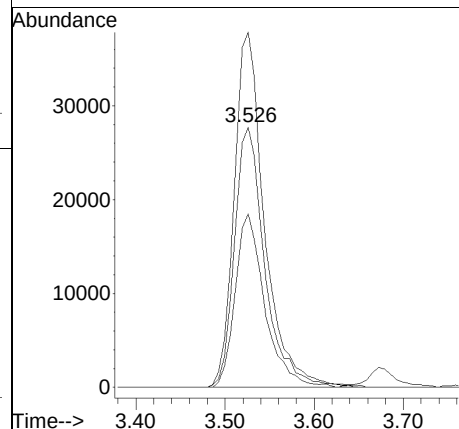
Tgt	Ion: 96	Resp:	52507
Ion	Ratio	Lower	Upper
96	100		
61	165.5	186.1	279.1#
63	52.3	57.6	86.4#

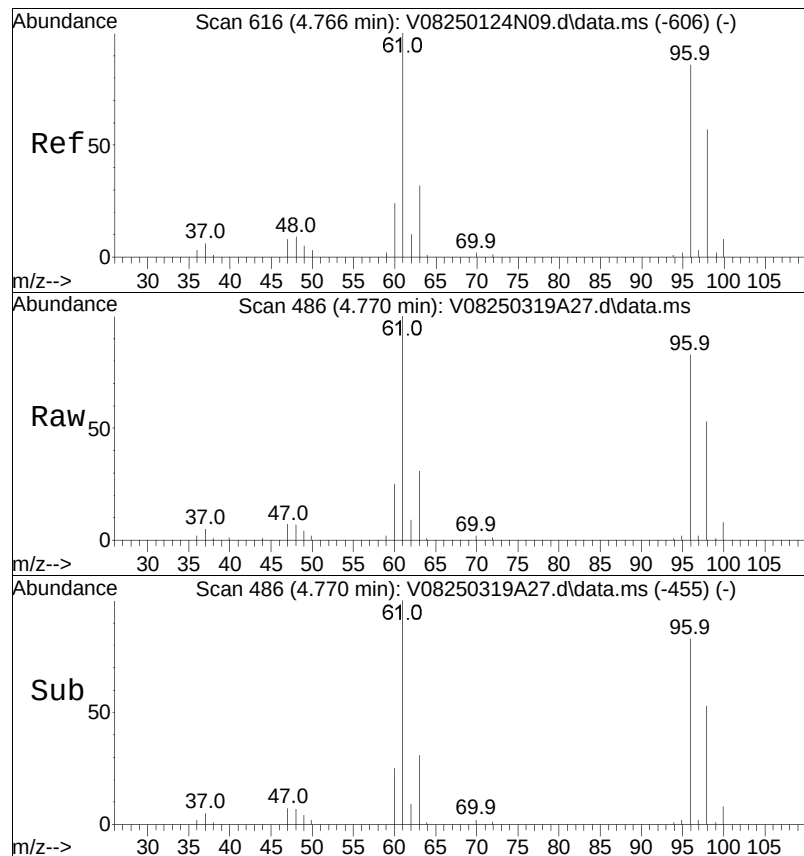




#15
Methylene chloride
Concen: 11.48 ug/L
RT: 3.526 min Scan# 299
Delta R.T. -0.003 min
Lab File: V08250319A27.d
Acq: 19 Mar 2025 4:33 pm

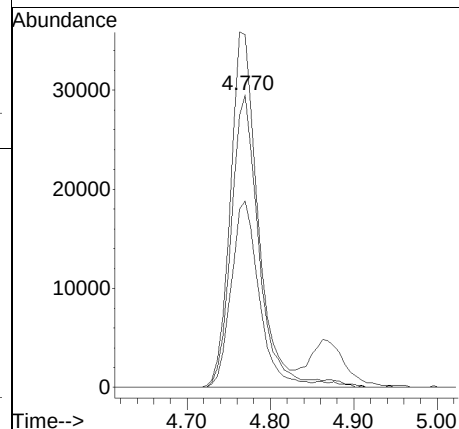
Tgt Ion:	84	Resp:	65838
Ion Ratio	Lower	Upper	
84	100		
86	65.1	40.4	83.8
49	135.5	120.0	249.2

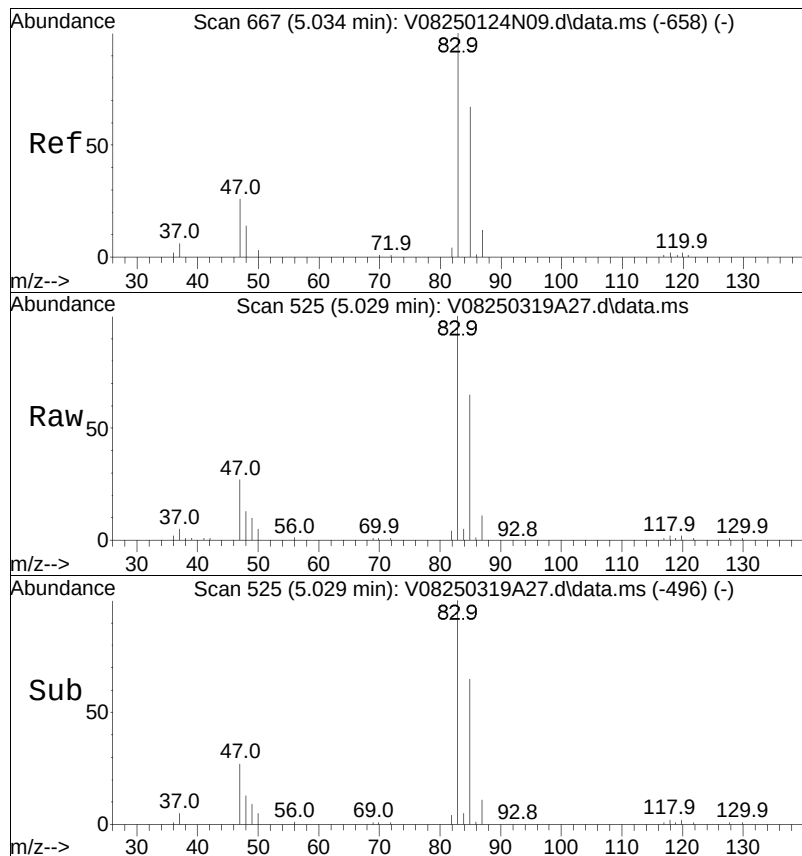




#28
 cis-1,2-Dichloroethene
 Concen: 10.53 ug/L
 RT: 4.770 min Scan# 486
 Delta R.T. 0.004 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

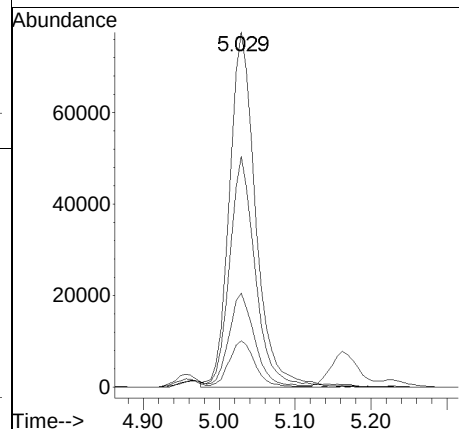
Tgt Ion:	96	Resp:	69257
Ion Ratio	Lower	Upper	
96	100		
61	118.0	149.4	224.2#
98	63.6	53.4	80.2

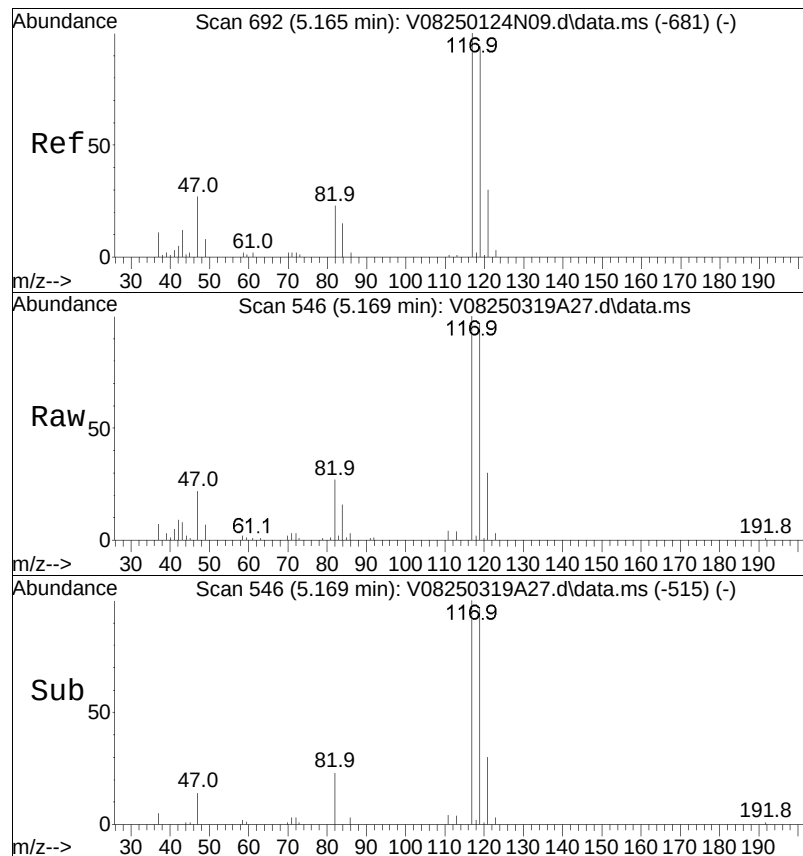




#32
 Chloroform
 Concen: 17.62 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

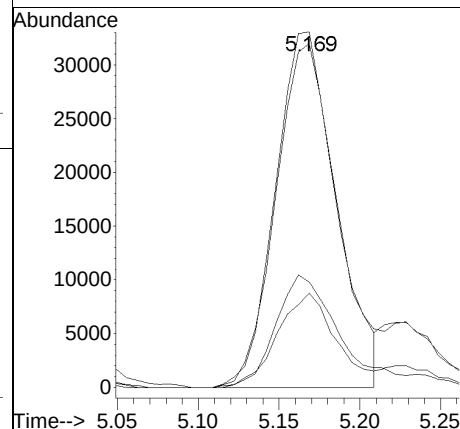
Tgt	Ion: 83	Resp:	187177
Ion	Ratio	Lower	Upper
83	100		
85	62.7	41.5	86.1
47	24.8	19.0	39.4
48	13.3	9.9	20.5

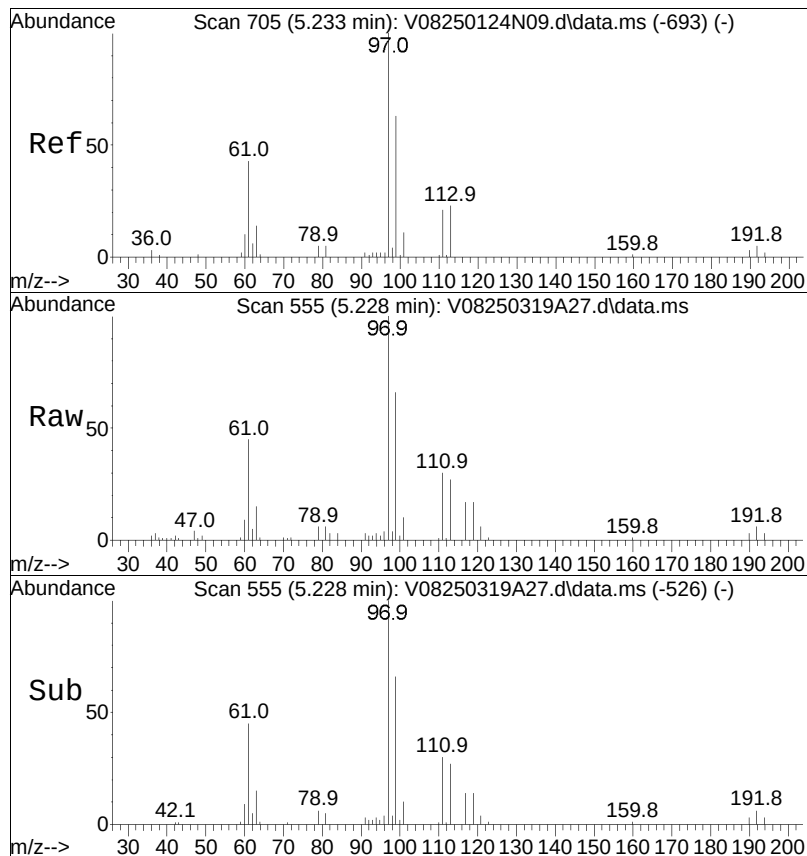




#34
 Carbon tetrachloride
 Concen: 10.14 ug/L
 RT: 5.169 min Scan# 546
 Delta R.T. 0.004 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

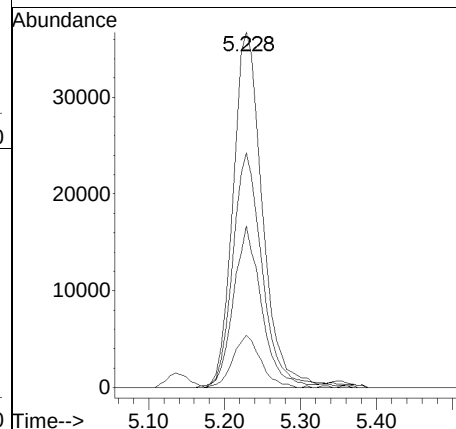
Tgt Ion:	117	Resp:	86542
Ion Ratio	Lower	Upper	
117	100		
119	99.7	62.4	129.6
121	31.8	19.5	40.5
82	29.8	17.0	35.4

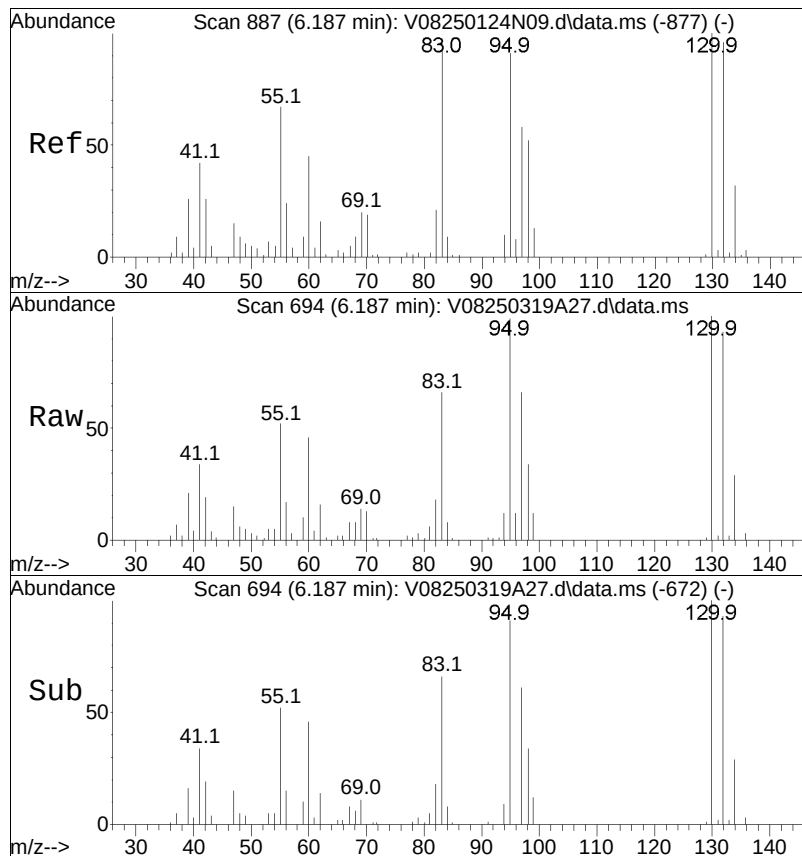




#37
 1,1,1-Trichloroethane
 Concen: 10.83 ug/L
 RT: 5.228 min Scan# 555
 Delta R.T. -0.005 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

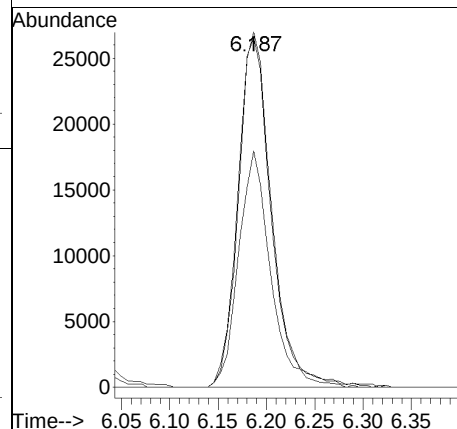
Tgt Ion:	97	Resp:	99641
Ion Ratio	Lower	Upper	
97	100		
99	65.7	40.7	84.5
61	43.4	35.4	73.4
63	13.9	5.0	10.4#

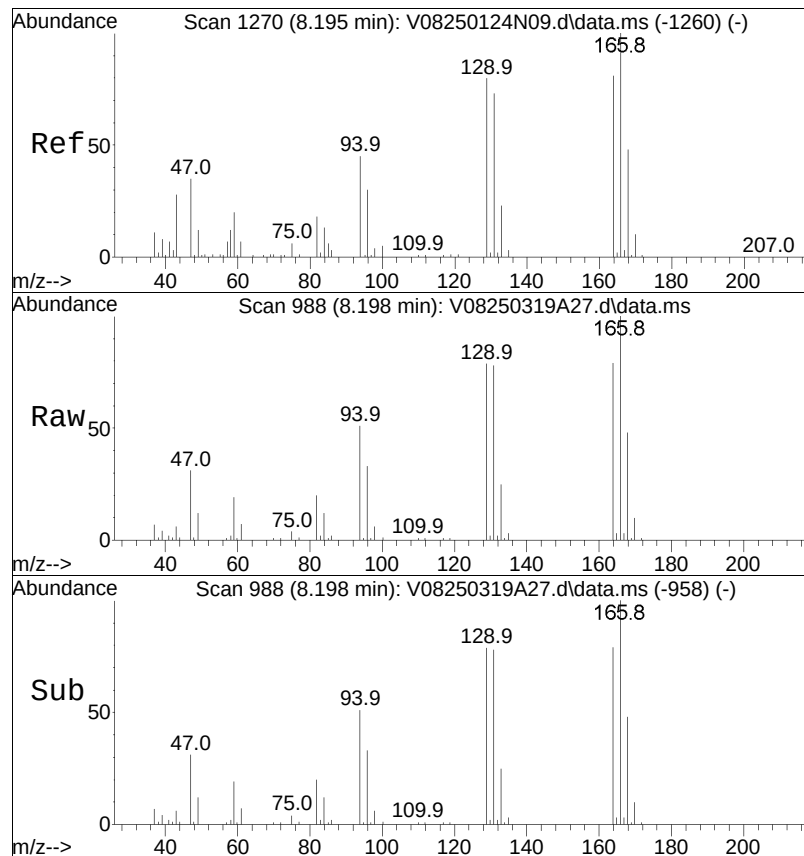




#48
 Trichloroethene
 Concen: 10.76 ug/L
 RT: 6.187 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

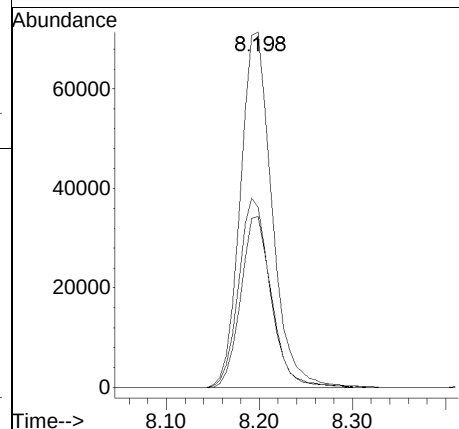
Tgt Ion:	95	Resp:	64493
Ion Ratio	Lower	Upper	
95	100		
97	64.4	55.5	83.3
130	99.9	76.6	115.0





#63
 Tetrachloroethene
 Concen: 30.90 ug/L
 RT: 8.198 min Scan# 988
 Delta R.T. 0.003 min
 Lab File: V08250319A27.d
 Acq: 19 Mar 2025 4:33 pm

Tgt	Ion:166	Resp:	168816
Ion	Ratio	Lower	Upper
166	100		
168	47.5	28.2	68.2
94	52.9	38.4	78.4



Quantitation Report (QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
 Data File : V08250319A28.d
 Acq On : 19 Mar 2025 4:55 pm
 Operator : VOA108: MJV
 Sample : WG2042829-7,31,10,10,,A2 (Sig #1); L2514654-03MSD,31,10,10,,A2 (Sig #2)
 Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 20 06:54:22 2025
 Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Feb 17 12:19:31 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA108\2025\250319A\V08250319A02.d
 Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.009	96	230350	10.000	ug/L	0.00
Standard Area 1 = 226799			Recovery	=	101.57%	
59) Chlorobenzene-d5	9.526	117	177136	10.000	ug/L	0.00
Standard Area 1 = 168594			Recovery	=	105.07%	
79) 1,4-Dichlorobenzene-d4	12.226	152	102393	10.000	ug/L	0.00
Standard Area 1 = 100471			Recovery	=	101.91%	
System Monitoring Compounds						
36) Dibromofluoromethane	5.202	113	74066	9.885	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	98.85%	
43) 1,2-Dichloroethane-d4	5.728	65	76219	12.105	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	121.05%	
60) Toluene-d8	7.692	98	231628	10.515	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.15%	
83) 4-Bromofluorobenzene	11.019	95	82436	10.596	ug/L	0.00
Spiked Amount 10.000	Range	70 - 130	Recovery	=	105.96%	
Target Compounds						
4) Vinyl chloride	1.930	62	75251	9.569	ug/L	95
10) 1,1-Dichloroethene	2.974	96	54516	10.354	ug/L #	61
15) Methylene chloride	3.526	84	67035	11.446	ug/L	73
28) cis-1,2-Dichloroethene	4.770	96	68674	10.230	ug/L #	67
32) Chloroform	5.029	83	192160	17.718	ug/L	96
34) Carbon tetrachloride	5.162	117	87039	9.989	ug/L	98
37) 1,1,1-Trichloroethane	5.229	97	98471	10.485	ug/L #	90
48) Trichloroethene	6.187	95	63172	10.319	ug/L	95
63) Tetrachloroethene	8.199	166	169996	29.943	ug/L	96

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

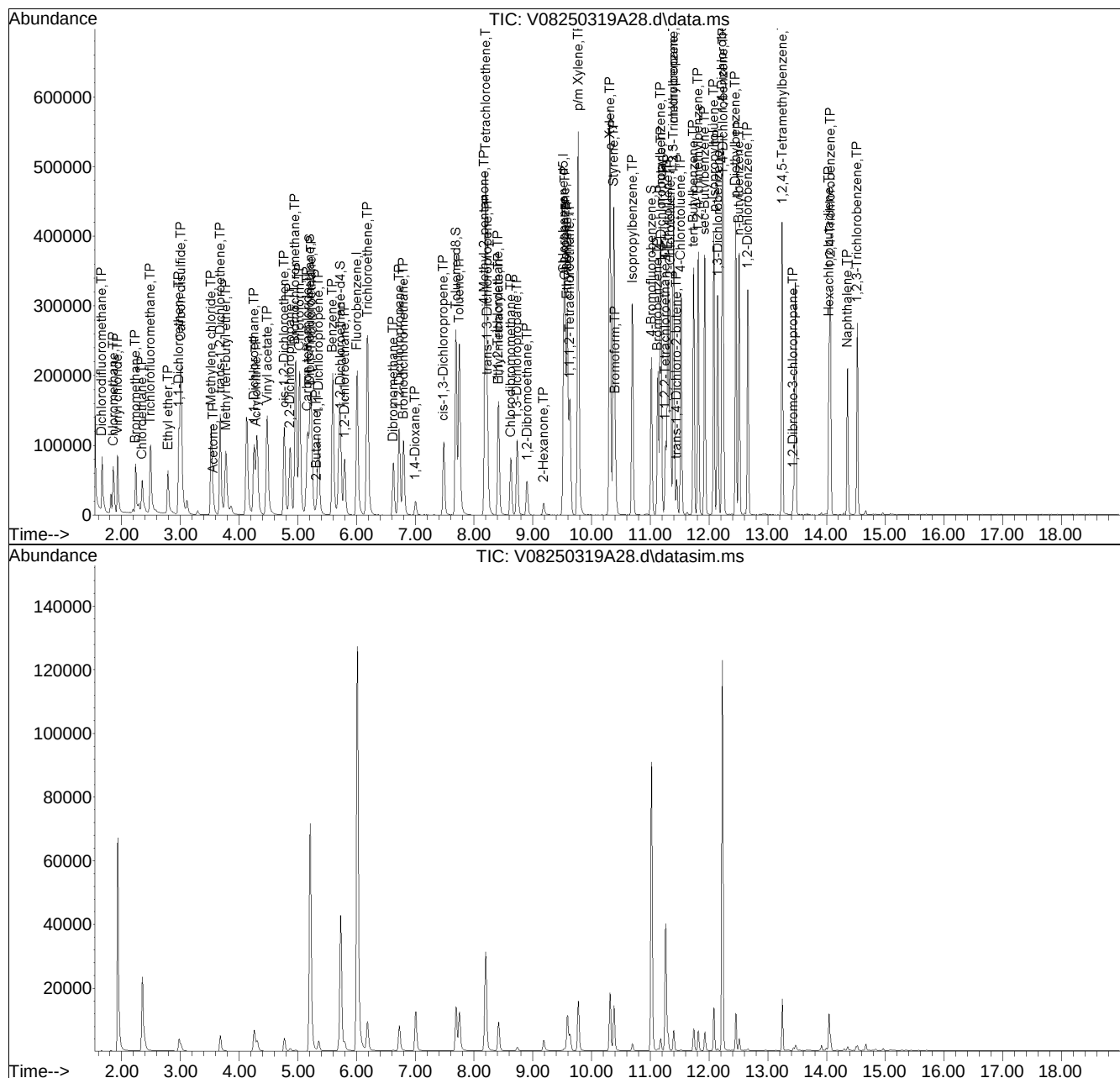
Quantitation Report

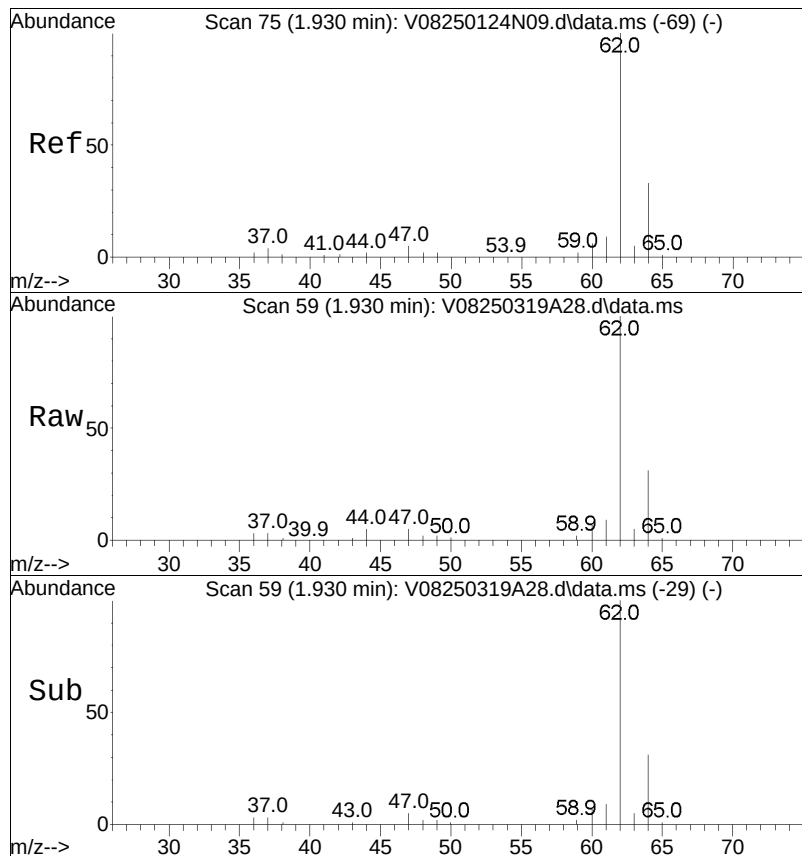
(QT Reviewed)

Data Path : K:\VOA108\2025\250319A\
Data File : V08250319A28.d
Acq On : 19 Mar 2025 4:55 pm
Operator : VOA108:MJV
Sample : WG2042829-7,31,10,10,,A2 (Sig #1); L2514654-03MSD,31,10,10,,A2 (Si
Misc : WG2042829,ICAL21995 (Sig #1); WG,ICAL21995 (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 20 06:54:22 2025
Quant Method : K:\VOA108\2025\250319A\V108_250124N_v2_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Feb 17 12:19:31 2025
Response via : Initial Calibration

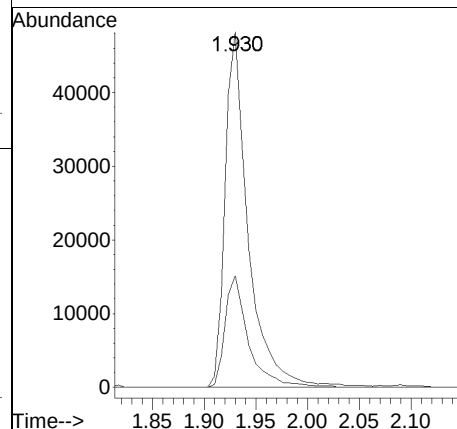
Sub List : 8260-NYTCL - Megamix plus Diox250319A02.d•

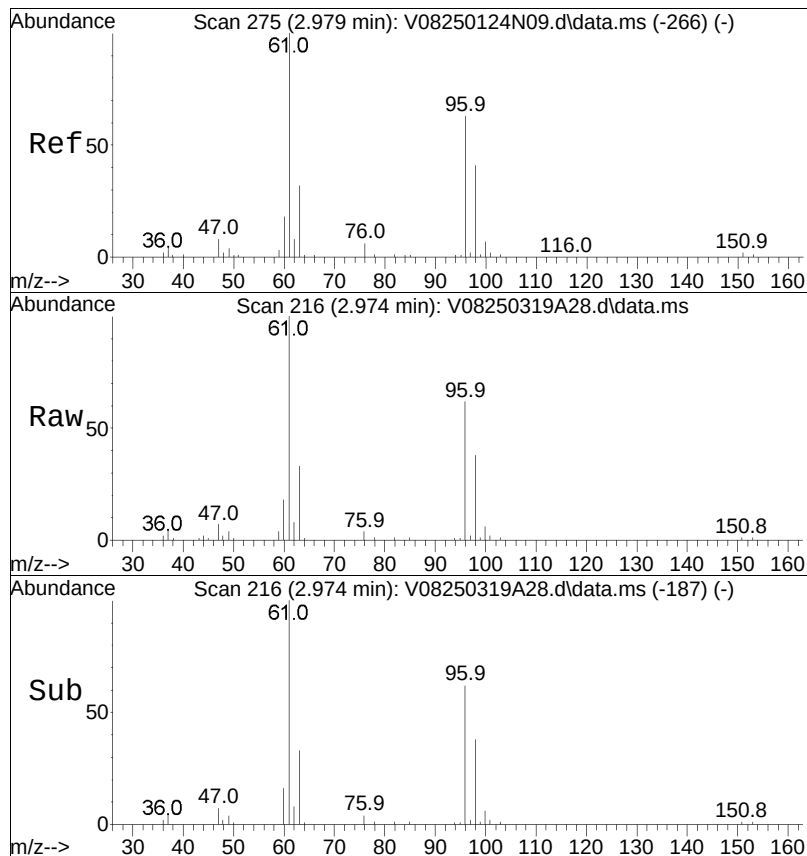




#4
 Vinyl chloride
 Concen: 9.57 ug/L
 RT: 1.930 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

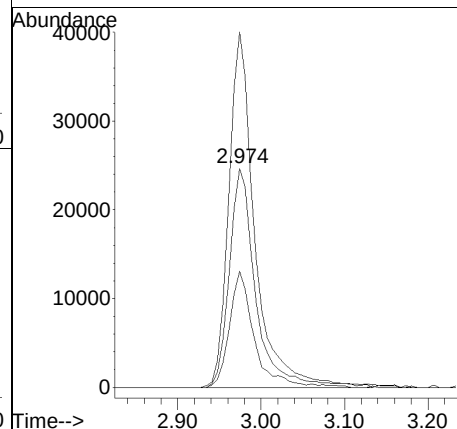
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	9.1	49.1

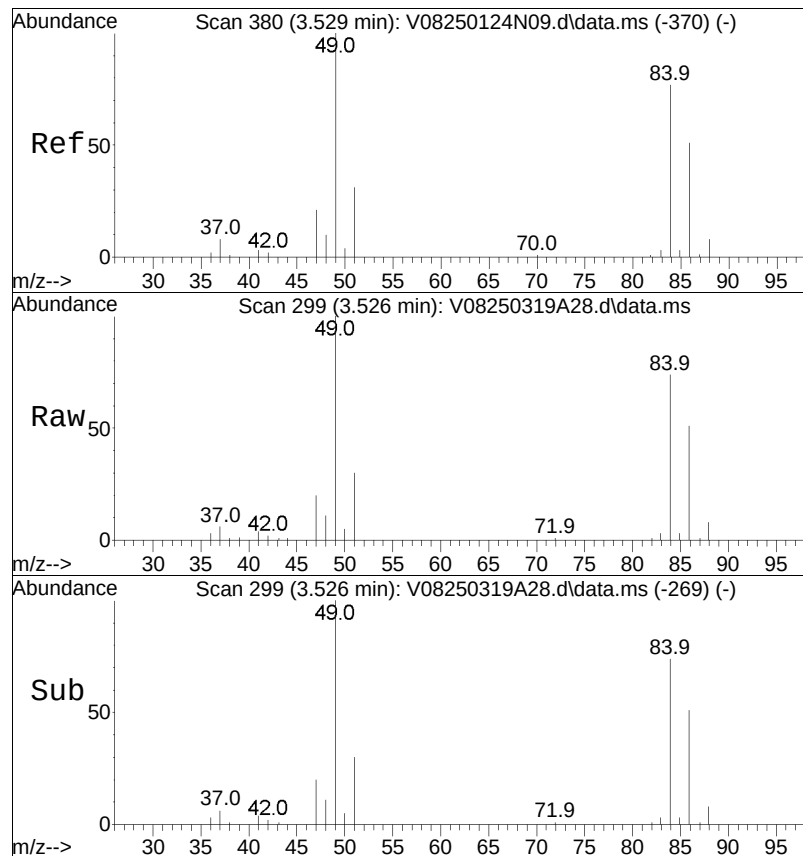




#10
 1,1-Dichloroethene
 Concen: 10.35 ug/L
 RT: 2.974 min Scan# 216
 Delta R.T. -0.005 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

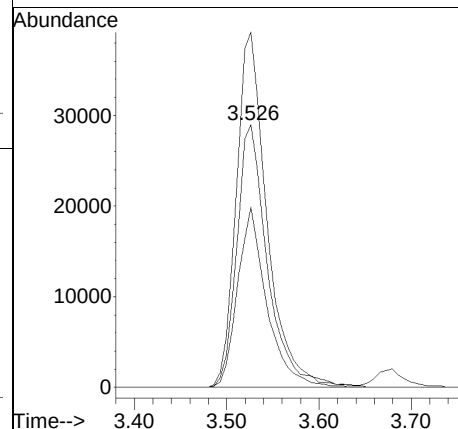
Tgt	Ion: 96	Resp:	54516
Ion	Ratio	Lower	Upper
96	100		
61	160.2	186.1	279.1#
63	50.0	57.6	86.4#

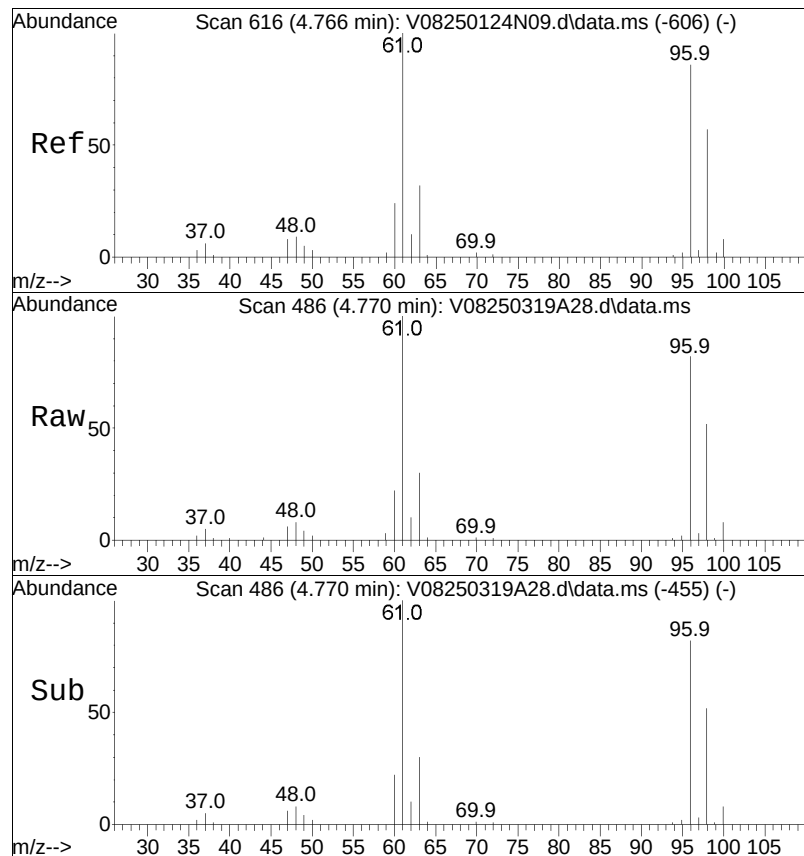




#15
 Methylene chloride
 Concen: 11.45 ug/L
 RT: 3.526 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

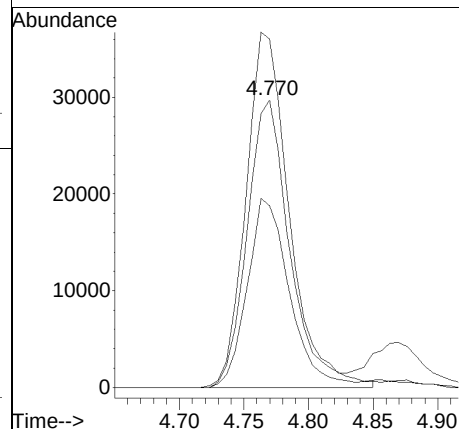
Tgt	Ion: 84	Resp:	67035
Ion	Ratio	Lower	Upper
84	100		
86	65.3	40.4	83.8
49	135.4	120.0	249.2

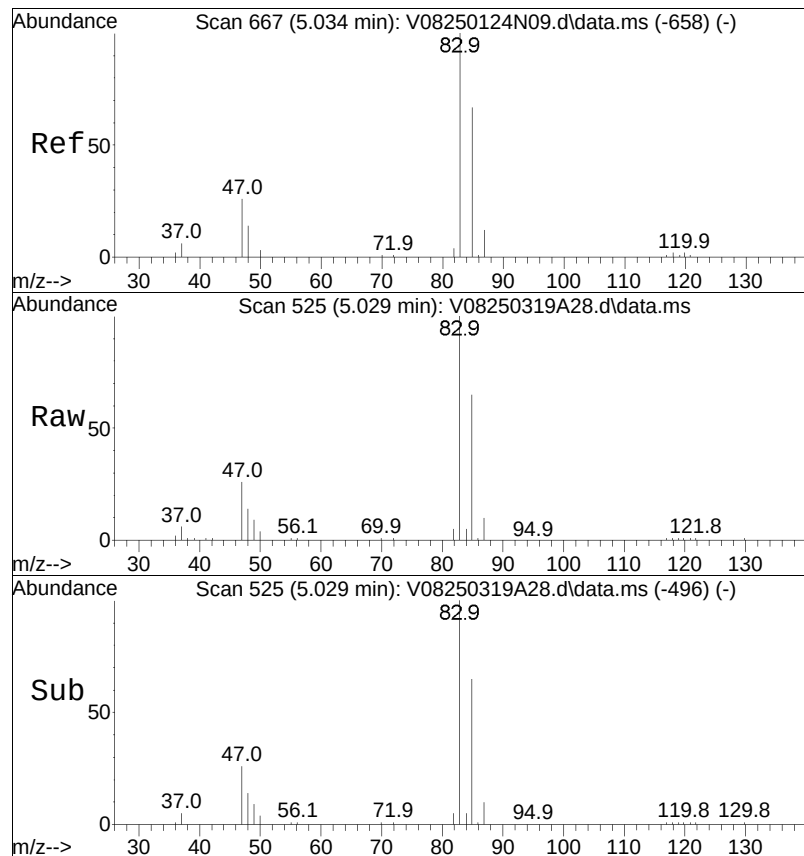




#28
 cis-1,2-Dichloroethene
 Concen: 10.23 ug/L
 RT: 4.770 min Scan# 486
 Delta R.T. 0.004 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

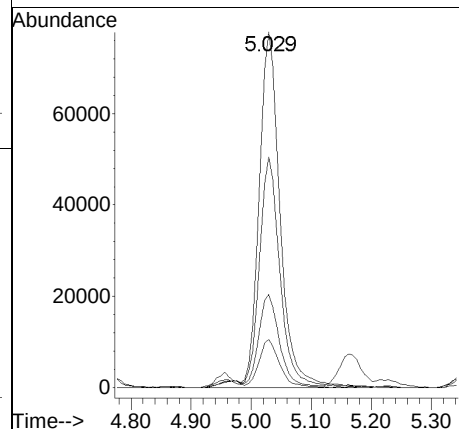
Tgt Ion:	96	Resp:	68674
Ion Ratio	Lower	Upper	
96	100		
61	123.5	149.4	224.2#
98	64.7	53.4	80.2

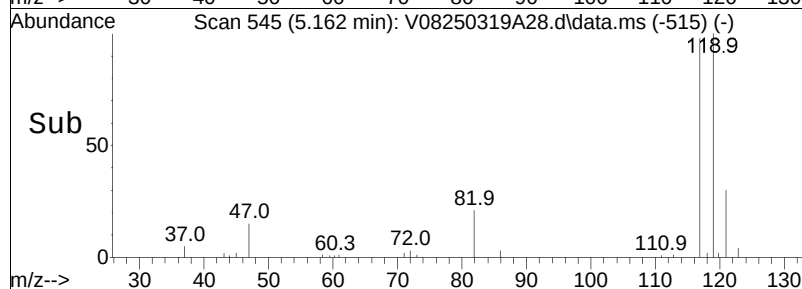
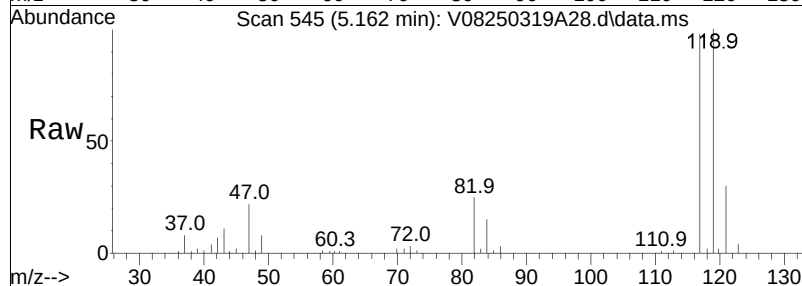
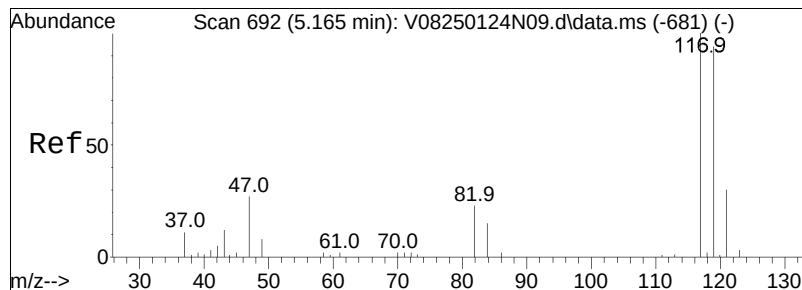




#32
 Chloroform
 Concen: 17.72 ug/L
 RT: 5.029 min Scan# 525
 Delta R.T. -0.005 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

Tgt	Ion: 83	Resp:	192160
Ion	Ratio	Lower	Upper
83	100		
85	63.2	41.5	86.1
47	24.5	19.0	39.4
48	13.0	9.9	20.5





#34

Carbon tetrachloride

Concen: 9.99 ug/L

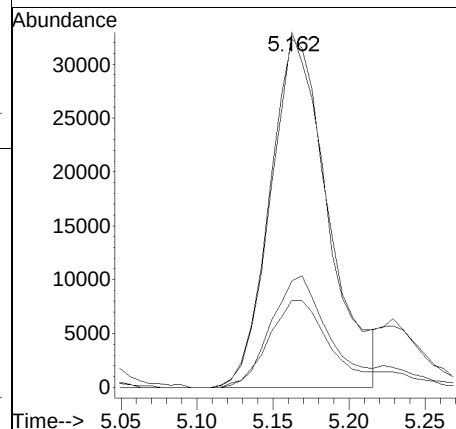
RT: 5.162 min Scan# 545

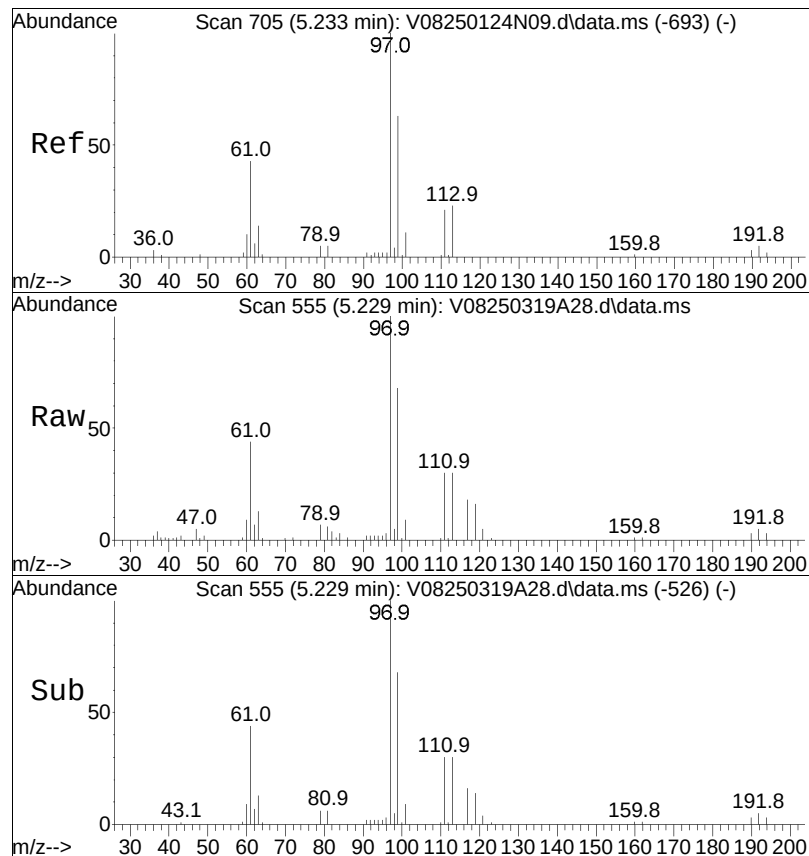
Delta R.T. -0.003 min

Lab File: V08250319A28.d

Acq: 19 Mar 2025 4:55 pm

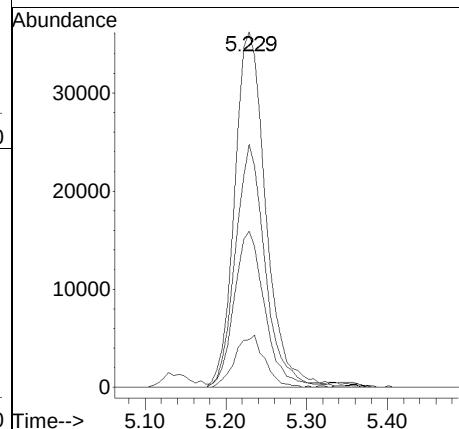
Tgt Ion:	117	Resp:	87039
Ion Ratio	Lower	Upper	
117	100		
119	97.3	62.4	129.6
121	31.1	19.5	40.5
82	29.0	17.0	35.4

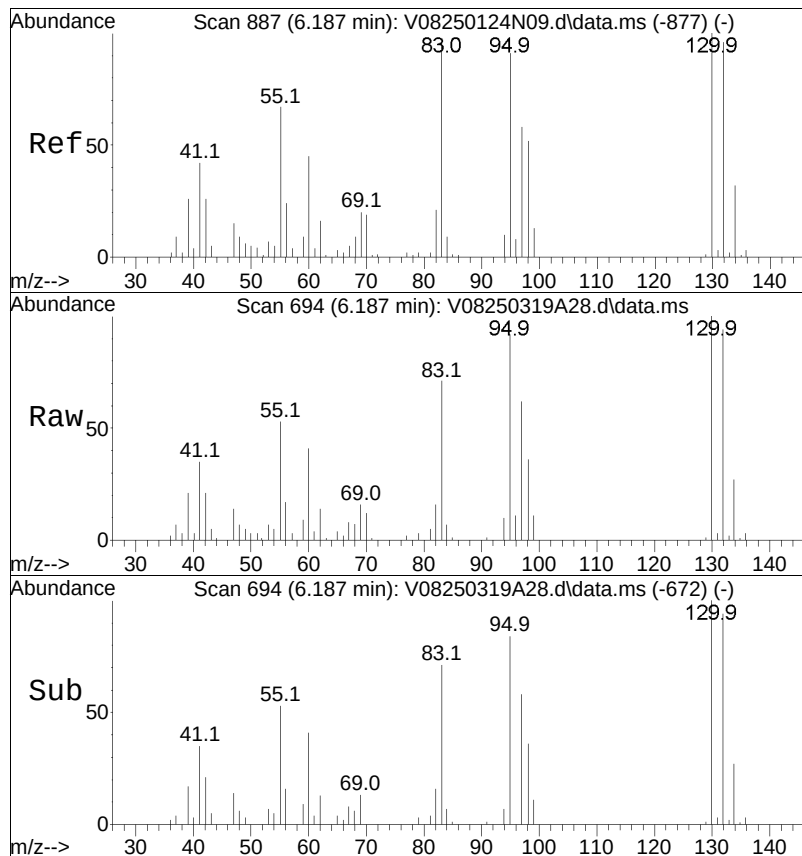




#37
 1,1,1-Trichloroethane
 Concen: 10.48 ug/L
 RT: 5.229 min Scan# 555
 Delta R.T. -0.004 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

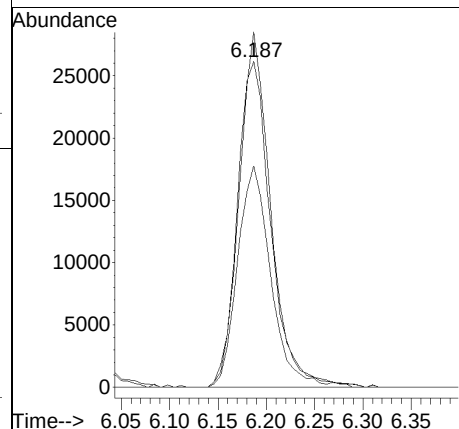
Tgt Ion:	97	Resp:	98471
Ion Ratio	Lower	Upper	
97	100		
99	65.2	40.7	84.5
61	42.9	35.4	73.4
63	14.0	5.0	10.4#

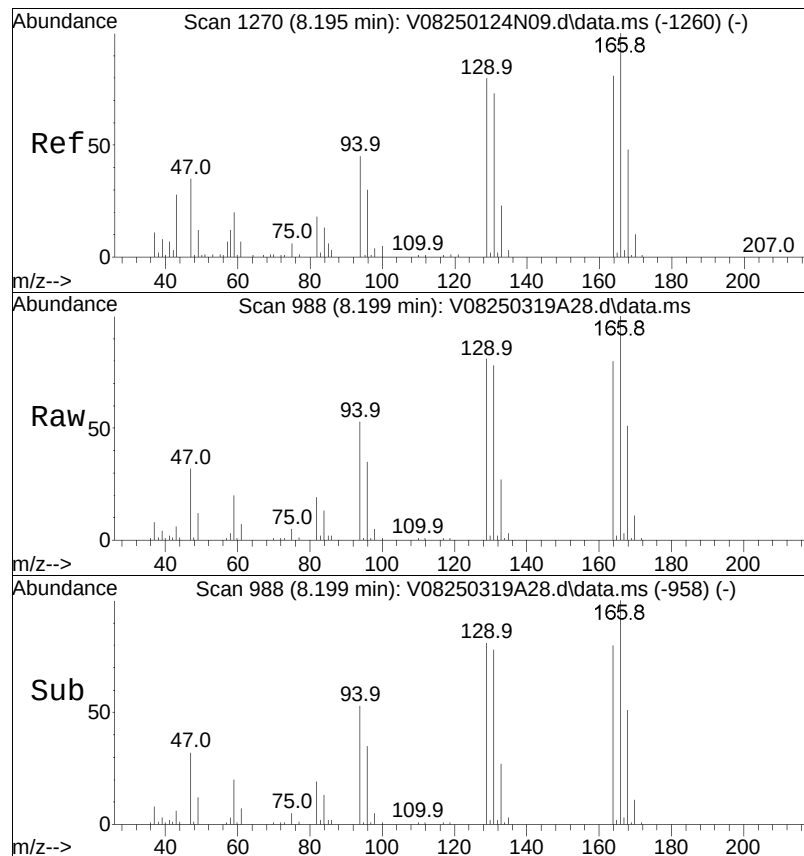




#48
 Trichloroethene
 Concen: 10.32 ug/L
 RT: 6.187 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: V08250319A28.d
 Acq: 19 Mar 2025 4:55 pm

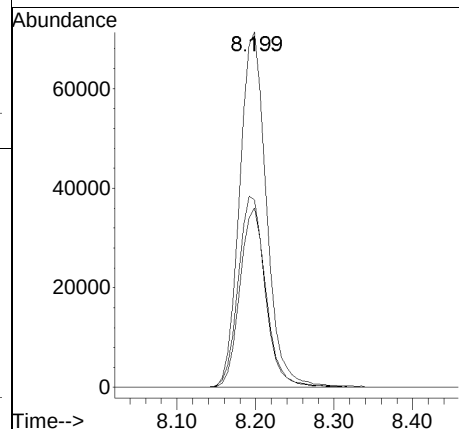
Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.9	55.5	83.3
130	102.8	76.6	115.0





#63
Tetrachloroethene
Concen: 29.94 ug/L
RT: 8.199 min Scan# 988
Delta R.T. 0.004 min
Lab File: V08250319A28.d
Acq: 19 Mar 2025 4:55 pm

Tgt	Ion:166	Resp:	169996
Ion	Ratio	Lower	Upper
166	100		
168	49.8	28.2	68.2
94	54.0	38.4	78.4



Manual Integration Report

Data Path	: K:\V0A108\2025\250319A\	QMethod	: V108_250124N_v2_8260.m
Data File	: V08250319A28.d	Operator	: V0A108:MJV
Date Inj'd	: 3/19/2025 4:55 pm	Instrument	: V0A 108
Sample	: WG2042829-7,31,10,10,,A2	Quant Date	: 3/20/2025 6:54 am

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

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 20 2025, 12:03 pm

Work Group: WG2042829 for Department: 31 GC/MS - Volatiles

Created: 20-MAR-25 Due: Operator: mjb

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2514241-02	MW2R	S NYTCL-8260-R2	WATER	DONE	U	0326	0319	S0	Vial-B
L2514241-03	MW3S	S NYTCL-8260-R2	WATER	DONE	U	0326	0319	S0	Vial-B
L2514241-04	MW3I	S NYTCL-8260-R2	WATER	DONE	U	0326	0319	S0	Vial-B
L2514241-07	MW5S	S NYTCL-8260-R2	WATER	DONE	U	0326	0319	S0	Vial-B
L2514241-08	MW5I	S NYTCL-8260-R2	WATER	DONE	U	0326	0319	S0	Vial-B
L2514241-09	MW6	S NYTCL-8260-R2	WATER	DONE	U	0325	0319	S0	Vial-B
L2514241-10	MW7	S NYTCL-8260-R2	WATER	DONE	U	0325	0319	S0	Vial-B
L2514241-11	MW8	S NYTCL-8260-R2	WATER	DONE	U	0325	0319	S0	Vial-B
L2514241-12	MW11	S NYTCL-8260-R2	WATER	DONE	U	0325	0319	S0	Vial-B
L2514241-13	MW12S	S NYTCL-8260-R2	WATER	DONE	U	0325	0319	S0	Vial-B
L2514654-01	FIELD BLANK_20250313	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
L2514654-02	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
L2514654-03	MW-3I_20250313	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
L2514654-04	MW-6_20250313	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
L2514654-05	DUP-01_20250313	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
L2514654-06	MW-4_20250313	S NYTCL-8260	WATER	DONE	U	0327	0320	S0	Vial-B
WG2042829-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2042829-1	MS BFB Tune Standard	S NYTCL-8260-R2	WATER	DONE	U				
WG2042829-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2042829-2	Continuing Calibrati	S NYTCL-8260-R2	WATER	DONE	U				
WG2042829-3	Laboratory Control S	S NYTCL-8260	WATER	DACQ	U				
WG2042829-3	Laboratory Control S	S NYTCL-8260-R2	WATER	DONE	U				
WG2042829-4	LCS Duplicate	S NYTCL-8260	WATER	DACQ	U				
WG2042829-4	LCS Duplicate	S NYTCL-8260-R2	WATER	DONE	U				
WG2042829-5	Laboratory Method B1	S NYTCL-8260-R2	WATER	DONE	U				
WG2042829-5	Laboratory Method B1	S NYTCL-8260	WATER	DACQ	U				
WG2042829-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG2042829-6	Matrix Spike	S NYTCL-8260-R2	WATER	DACQ	U				
WG2042829-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
WG2042829-7	Matrix Spike Duplica	S NYTCL-8260-R2	WATER	DACQ	U				
Comments:									
WG2042829-4	WG2042829-3								
WG2042829-6	L2514654-03								
WG2042829-7	L2514654-03								

Inst: VOA108
Initials: TMS
Date **01/24/25**
Run **N**

BFB: V10907
IS/SS: V10914
ICAL: V10925B,V10930
ICV: V10890,V10926,V10889,V10927,V10928,V10929

Method
GC: 8260-ATOMX
Autosampler: 8260
Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	pH<2
1	V08250124NBF1	BFB TUNE	
1	V08250124N01	BLK	
2	V08250124N02	BLK	
3	V08250124N03	I8260STD0.19PPB	
4	V08250124N04	I8260STD0.19PPB	
5	V08250124N05	I8260STD0.5PPB	
6	V08250124N06	I8260STD0.5PPB	
7	V08250124N07	I8260STD2PPB	
8	V08250124N08	I8260STD2PPB	
9	V08250124N09	I8260STD10PPB	
10	V08250124N10	I8260STD30PPB	
11	V08250124N11	I8260STD80PPB	
12	V08250124N12	I8260STD120PPB	
13	V08250124N13	I8260STD200PPB	
14	V08250124N14	BLK	
15	V08250124N15	BLK	
16	V08250124N16	BLK	
17	V08250124N17	BLK	
18	V08250124N18	C8260STD10PPB	
19	V08250124N19	C8260STD10PPB	
20	V08250124N20	BLK	
21	V08250124N21	METHOD BLK	
22	V08250124N22	MDL 2PPB	
23	V08250124N23	MDL 2PPB	
24	V08250124N24	MDL 2PPB	
25	V08250124N25	BLK	

Inst: VOA108 BFB: V10998
 Initials: PID IS/SS: V10991
 Date 03/19/25 ICAL: V11008A,V11016
 Run A

Method
 GC: 8260-ATOMX
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	pH<2
1	V08250319ABF1	BFB TUNE 06:30	
1	V08250319A01	8260 CCAL QC FAILS	
2	V08250319A02	8260 CCAL LCS	
3	V08250319A03	8260 CCAL LCSD	
4	V08250319A04	BLK	
5	V08250319A05	METHOD BLK	
6	V08250319A06	L2514241-02,31,10,10,,A NY/R2	pH<2
7	V08250319A07	L2514241-04,31,10,10,,A NY/R2	pH<2
8	V08250319A08	L2514241-08,31,10,10,,A NY/R2	pH<2
9	V08250319A09	L2514241-09,31,10,10,,A NY/R2	pH<2
10	V08250319A10	L2514241-10,31,10,10,,A NY/R2	pH<2
11	V08250319A11	L2514241-11,31,10,10,,A NY/R2	pH<2
12	V08250319A12	L2514241-12,31,10,10,,A NY/R2	pH<2
13	V08250319A13	L2514241-13,31,10,10,,A NY/R2	pH<2
14	V08250319A14	L2514241-01D,31,2.0,10,,A NY/R2	pH<2
15	V08250319A15	L2514241-03D,31,0.01,10,,A NY/R2	pH<2
16	V08250319A16	L2514241-05D,31,0.05,10,,A NY/R2	pH<2
17	V08250319A17	L2514241-06D,31,0.25,10,,A NY/R2	pH<2
18	V08250319A18	L2514241-07D,31,2.0,10,,A NY/R2	pH<2
19	V08250319A19	D6	
20	V08250319A20	L2514613-07,31,10,10,,A NJ/BENZ	pH<2
21	V08250319A21	L2514654-01,31,10,10,,A NYTCL	FB pH<2
22	V08250319A22	L2514654-02,31,10,10,,A NYTCL	TB pH<2
23	V08250319A23	L2514654-03,31,10,10,,A NYTCL	pH<2
24	V08250319A24	L2514654-04,31,10,10,,A NYTCL	pH<2
25	V08250319A25	L2514654-05,31,10,10,,A NYTCL	pH<2
26	V08250319A26	L2514654-06,31,10,10,,A NYTCL	pH<2
27	V08250319A27	L2514654-03MS,31,10,10,,A1 NYTCL	pH<2
28	V08250319A28	L2514654-03MSD,31,10,10,,A2 NYTCL	pH<2
29	V08250319A29	HBM	
30	V08250319A30	BLK	
31	V08250319A31	BLK	



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2514879

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STD30PPB Injected on: 02/21/25 02:38	80
STD80PPB Injected on: 02/21/25 03:03	89
STD120PPB Injected on: 02/21/25 03:29	98
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Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514879
Report Date: 03/21/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2514879-01	MW-7_20250314	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/14/25 08:35	03/14/25
L2514879-02	TRIP BLANK	WATER	340 MYRTLE AVE, BROOKLYN, NY	03/14/25 00:00	03/14/25



Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514879
Report Date: 03/21/25

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514879
Report Date: 03/21/25

Case Narrative (continued)

Report Submission

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

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

Authorized Signature:  Report Date: 03/21/25
Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 340 MYRTLE AVE
Project Number: 0210873-000-001-16

Lab Number: L2514879
Report Date: 03/21/25

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

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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.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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 : L2514879

Received : 14-MAR-2025

Reviewer : Anthony Schwenker

Account Name : Haley & Aldrich

Project Number : 0210873-000-001-16

Project Name : 340 MYRTLE AVE

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.5	

Condition Information

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

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Mar 21 2025, 07:38 pm

Login Number: L2514879

Account: HALEY-NYC Haley & AldrichProject: 0210873-000-001-16

Received: 14MAR25 Due Date: 21MAR25

Sample #	Client ID	Mat PR Collected

L2514879-01 MW-7_20250314	1 S0 14MAR25 08:35

8260: CVOC RL built ASP-B Package Due Date: 03/21/25

ASP-B, NYTCL-8260

L2514879-02 TRIP BLANK	1 S0 14MAR25 00:00

8260: CVOC RL built Package Due Date: 03/21/25

NYTCL-8260

Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Haley & Aldrich
Project Name: 340 MYRTLE AVE

Lab Number: L2514879
Project Number: 0210873-000-001-16
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-7_20250314 (L2514879-01)	97	88	93	103	0
TRIP BLANK (L2514879-02)	99	88	89	104	0
WG2043050-3LCS	97	91	90	97	0
WG2043050-4LCSD	95	90	90	97	0
WG2043050-5BLANK	98	89	89	103	0

QC LIMITS

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

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client	: Haley & Aldrich	Lab Number	: L2514879
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2043050-3	Analysis Date	: 03/20/25 07:00
LCSD Sample ID	: WG2043050-4	Analysis Date	: 03/20/25 07:51
		File ID	: V05250320A01
		File ID	: V05250320A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	10	100	10	9.1	91	9	70-130	20
Chloroform	10	11	110	10	9.6	96	14	70-130	20
Carbon tetrachloride	10	11	110	10	9.9	99	11	63-132	20
Tetrachloroethene	10	12	120	10	10	100	18	70-130	20
1,1,1-Trichloroethane	10	11	110	10	9.5	95	15	67-130	20
Vinyl chloride	10	12	120	10	10	100	18	55-140	20
1,1-Dichloroethene	10	14	140	10	12	120	15	61-145	20
Trichloroethene	10	12	120	10	9.8	98	20	70-130	20
cis-1,2-Dichloroethene	10	12	120	10	10	100	18	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Haley & Aldrich	Lab Number	: L2514879
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Lab Sample ID	: WG2043050-5	Lab File ID	: V05250320A05
Instrument ID	: VOA105		
Matrix	: WATER	Analysis Date	: 03/20/25 08:41

Client Sample No.	Lab Sample ID	Analysis Date
WG2043050-3LCS	WG2043050-3	03/20/25 07:00
WG2043050-4LCSD	WG2043050-4	03/20/25 07:51
MW-7_20250314	L2514879-01	03/20/25 12:10
TRIP BLANK	L2514879-02	03/20/25 12:35

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Haley & Aldrich	Lab Number : L2514879
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Instrument ID : VOA105	Analysis Date : 02/20/25 22:13
Tune Standard : WG2032723-1	Tune File ID : V05250220NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 80.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	6.1 (7.2)1
176	Greater than 95.0% but less than 101% of mass	81.6 (96.4)1
177	5.0 - 9.0% of mass 176	5.2 (6.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1933227-1	V05250220N04	02/21/25 00:05
STD0.5PPB	R1933227-3	V05250220N05	02/21/25 00:30
STD2PPB	R1933227-2	V05250220N07	02/21/25 01:21
STD10PPB	R1933227-4	V05250220N09	02/21/25 02:12
STD30PPB	R1933227-5	V05250220N10	02/21/25 02:38
STD80PPB	R1933227-6	V05250220N11	02/21/25 03:03
STD120PPB	R1933227-7	V05250220N12	02/21/25 03:29
STD200PPB	R1933227-9	V05250220N13	02/21/25 03:54
Correlation Data Summary	R1933227-8	V05250220N18	02/21/25 06:02
ICV Quant Report	R1933227-8	V05250220N18	02/21/25 06:02



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Haley & Aldrich	Lab Number : L2514879
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Instrument ID : VOA105	Analysis Date : 03/20/25 06:47
Tune Standard : WG2043050-1	Tune File ID : V05250320ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 80.0% of mass 95	51.5
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	Greater than 50.0% of mass 95	97
175	5.0 - 9.0% of mass 174	7.3 (7.5)1
176	Greater than 95.0% but less than 101% of mass	94.4 (97.2)1
177	5.0 - 9.0% of mass 176	6.1 (6.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2043050-2CCAL	WG2043050-2	V05250320A01	03/20/25 07:00
WG2043050-3LCS	WG2043050-3	V05250320A01	03/20/25 07:00
WG2043050-4LCSD	WG2043050-4	V05250320A03	03/20/25 07:51
WG2043050-5BLANK	WG2043050-5	V05250320A05	03/20/25 08:41
MW-7_20250314	L2514879-01	V05250320A13	03/20/25 12:10
TRIP BLANK	L2514879-02	V05250320A14	03/20/25 12:35

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA105
 Sample No : WG2043050-2

Lab Number : L2514879
 Project Number : 0210873-000-001-16
 Analysis Date : 03/20/25 07:00:00
 Lab File ID : V05250320A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2043050-2	227962	5.59	184103	9.08	111889	11.87
Upper Limit	455924	6.09	368206	9.58	223778	12.37
Lower Limit	113981	5.09	92052	8.58	55945	11.37
Sample ID						
WG2043050-3 LCS	227962	5.59	184103	9.08	111889	11.87
WG2043050-4 LCSD	226846	5.60	182909	9.08	111070	11.87
WG2043050-5 BLANK	202838	5.59	165321	9.08	96118	11.87
MW-7_20250314	197678	5.60	161252	9.08	95080	11.87
TRIP BLANK	192831	5.59	159288	9.08	92577	11.88

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

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Date Created: 03/15/23
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Volatile Organics - EPA 8260D (WATER)

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

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	17060-07-0									70-130		
Toluene-d8	2037-26-5									70-130		
4-Bromofluorobenzene	460-00-4									70-130		
Dibromofluoromethane	1868-53-7									70-130		

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Date Created: 03/15/23
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 File: PM14095-1
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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
 Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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

VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	17060-07-0									70-130		
Toluene-d8	2037-26-5									70-130		
4-Bromofluorobenzene	460-00-4									70-130		
Dibromofluoromethane	1868-53-7									70-130		

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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich	Lab Number : L2514879
Project Name : 340 MYRTLE AVE	Project Number : 0210873-000-001-16
Lab ID : L2514879-01	Date Collected : 03/14/25 08:35
Client ID : MW-7_20250314	Date Received : 03/14/25
Sample Location : 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed : 03/20/25 12:10
Sample Matrix : WATER	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : PID
Lab File ID : V05250320A13	Instrument ID : VOA105
Sample Amount : 10 ml	GC Column : RTX-502.2
Level : LOW	%Solids : N/A
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	3.6	2.5	0.70	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	19	0.50	0.18	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	0.89	0.50	0.18	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Haley & Aldrich	Lab Number	: L2514879
Project Name	: 340 MYRTLE AVE	Project Number	: 0210873-000-001-16
Lab ID	: L2514879-02	Date Collected	: 03/14/25 00:00
Client ID	: TRIP BLANK	Date Received	: 03/14/25
Sample Location	: 340 MYRTLE AVE, BROOKLYN, NY	Date Analyzed	: 03/20/25 12:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V05250320A14	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Lab ID : WG2043050-5
 Client ID : WG2043050-5BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V05250320A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2514879
 Project Number : 0210873-000-001-16
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/20/25 08:41
 Dilution Factor : 1
 Analyst : PID
 Instrument ID : VOA105
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A13.D
 Acq On : 20 Mar 2025 12:10 pm
 Operator : VOA105:PID
 Sample : L2514879-01,31,10,10,,A
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 20 13:06:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250320A\V05250320A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.598	96	197678	10.000	ug/L	0.00
Standard Area 1 = 227962			Recovery	=	86.72%	
59) Chlorobenzene-d5	9.084	117	161252	10.000	ug/L	0.00
Standard Area 1 = 184103			Recovery	=	87.59%	
79) 1,4-Dichlorobenzene-d4	11.868	152	95080	10.000	ug/L	0.00
Standard Area 1 = 111889			Recovery	=	84.98%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	57179	10.315	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.15%	
43) 1,2-Dichloroethane-d4	5.323	65	62260	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.42%	
60) Toluene-d8	7.256	98	183854	8.757	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	87.57%	
83) 4-Bromofluorobenzene	10.616	95	70515	9.277	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.77%	
Target Compounds						
						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	4.396	96	778	0.161	ug/L	91
32) Chloroform	4.643	83	29142	3.560	ug/L	98
34) Carbon tetrachloride	4.636	117	162		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.767	95	4259	0.889	ug/L	92
63) Tetrachloroethene	7.750	166	104324	18.649	ug/L	97

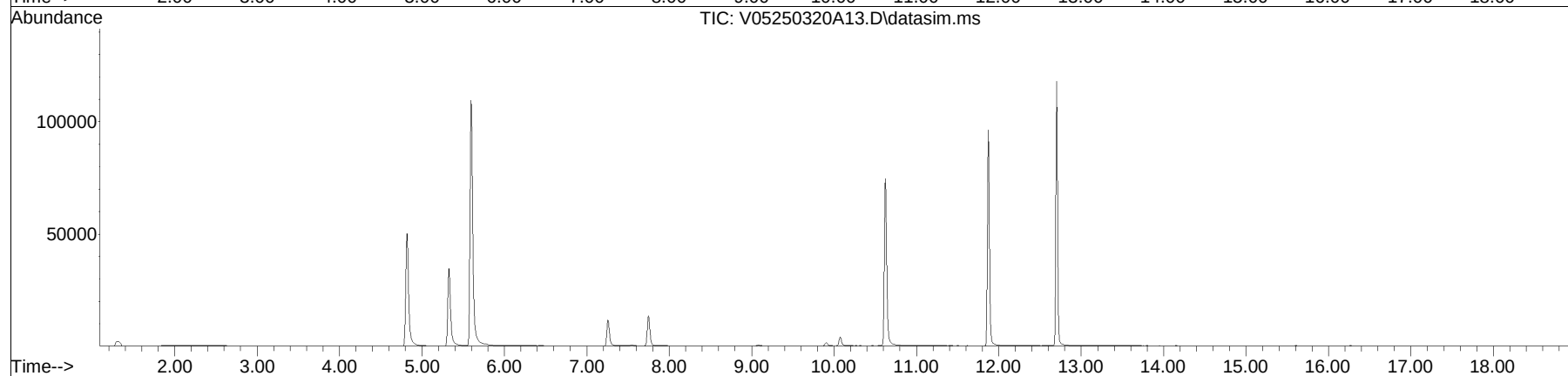
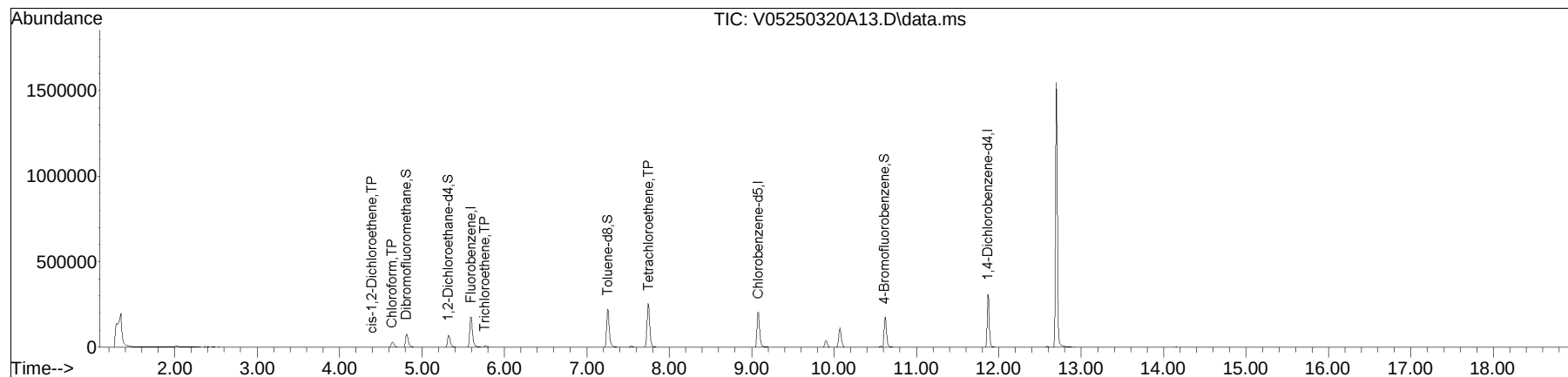
(#) = qualifier out of range (m) = manual integration (+) = signals summed

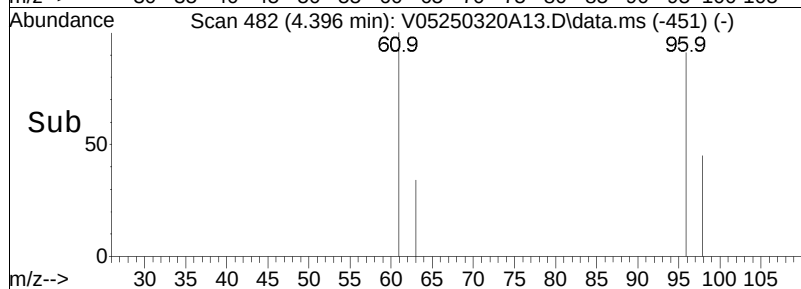
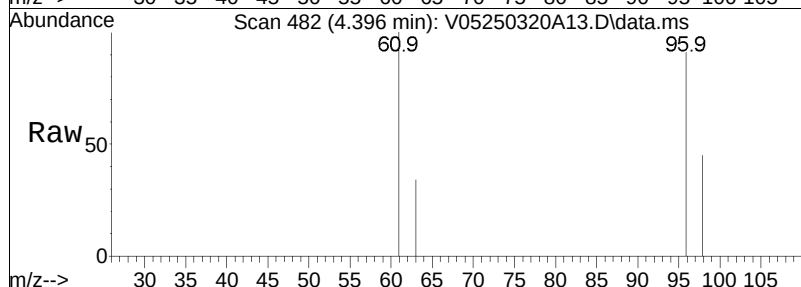
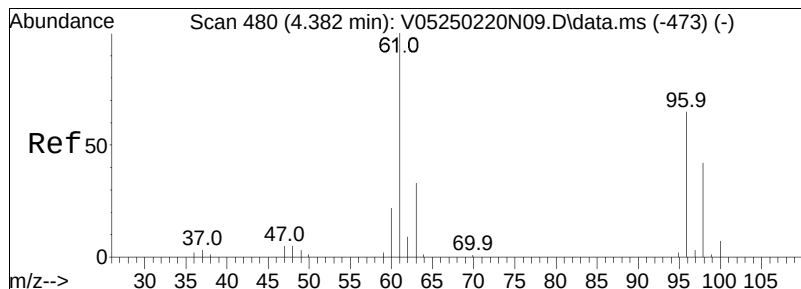
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A13.D
 Acq On : 20 Mar 2025 12:10 pm
 Operator : VOA105:PID
 Sample : L2514879-01,31,10,10,,A
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 20 13:06:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

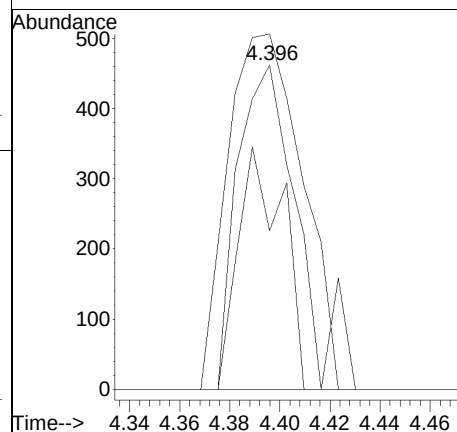
Sub List : 8260-NYTCL - Megamix plus Diox250320A01.D•

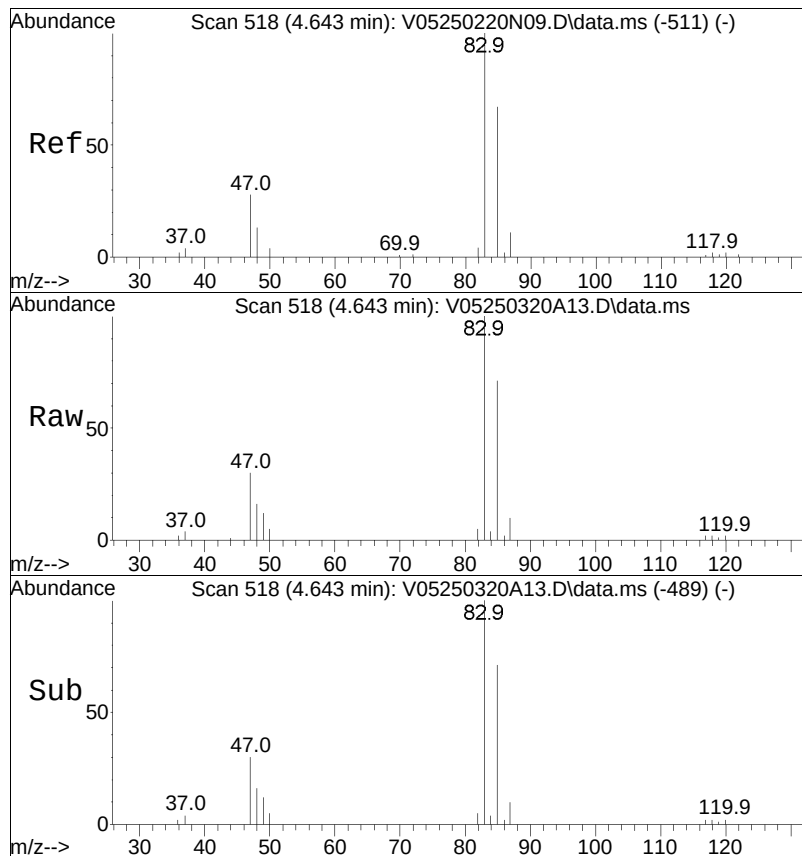




#28
 cis-1,2-Dichloroethene
 Concen: 0.16 ug/L
 RT: 4.396 min Scan# 482
 Delta R.T. 0.014 min
 Lab File: V05250320A13.D
 Acq: 20 Mar 2025 12:10 pm

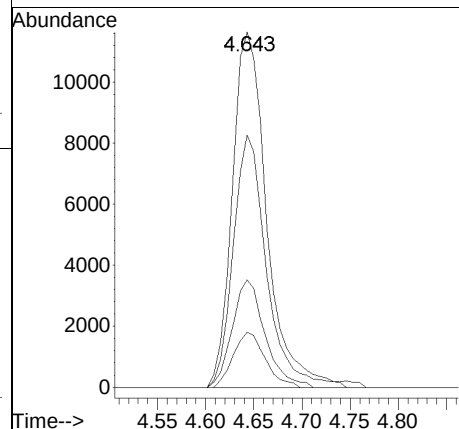
Tgt Ion: 96 Resp: 778
 Ion Ratio Lower Upper
 96 100
 61 135.1 117.2 175.8
 98 55.4 50.2 75.4

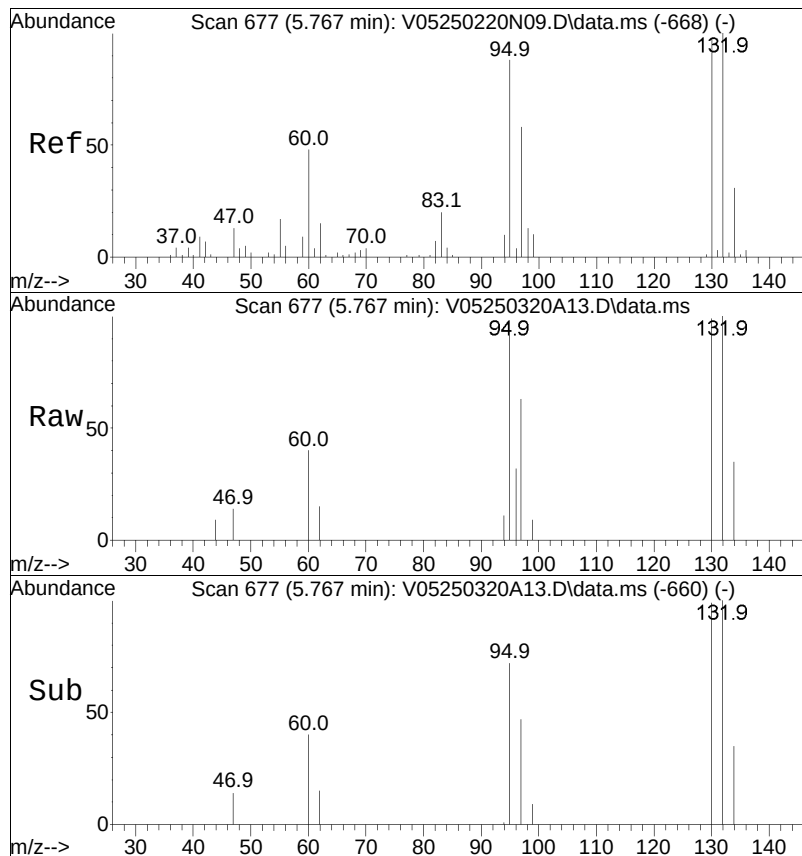




#32
 Chloroform
 Concen: 3.56 ug/L
 RT: 4.643 min Scan# 518
 Delta R.T. -0.000 min
 Lab File: V05250320A13.D
 Acq: 20 Mar 2025 12:10 pm

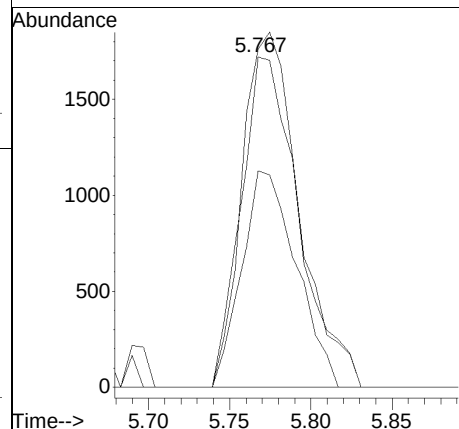
Tgt	Ion: 83	Resp:	29142
Ion	Ratio	Lower	Upper
83	100		
85	68.1	43.0	89.2
47	28.6	17.6	36.6
48	14.3	9.6	19.8

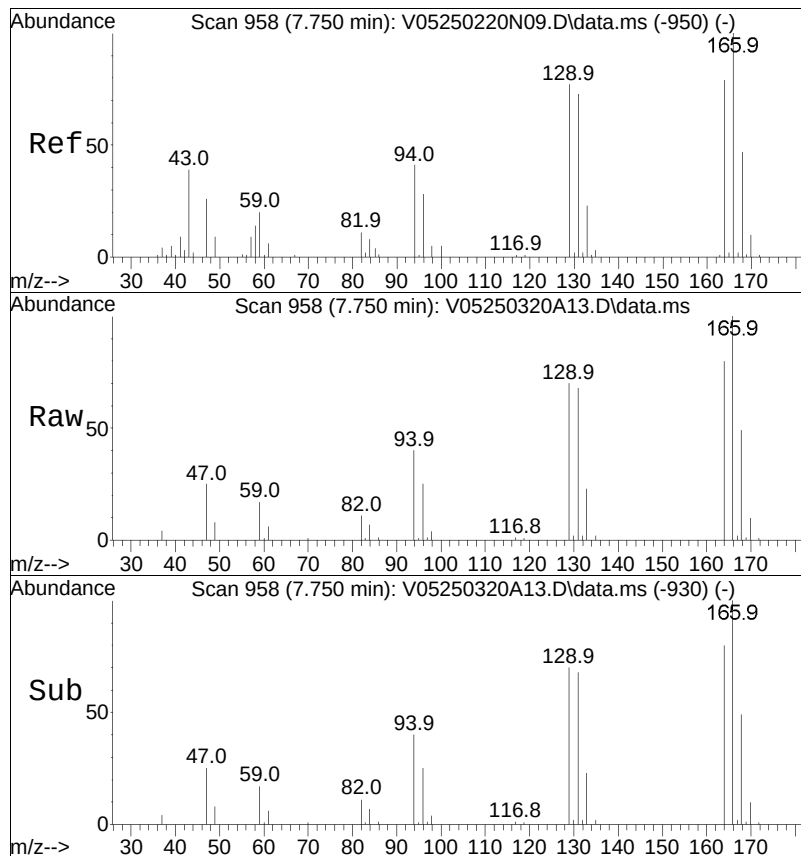




#48
 Trichloroethene
 Concen: 0.89 ug/L
 RT: 5.767 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: V05250320A13.D
 Acq: 20 Mar 2025 12:10 pm

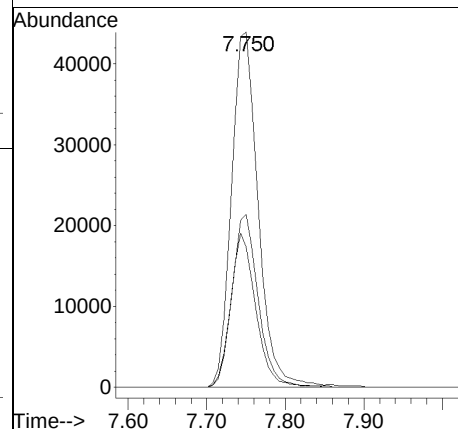
Tgt Ion: 95 Resp: 4259
 Ion Ratio Lower Upper
 95 100
 97 61.8 55.8 83.8
 130 106.2 90.5 135.7





#63
 Tetrachloroethene
 Concen: 18.65 ug/L
 RT: 7.750 min Scan# 958
 Delta R.T. 0.000 min
 Lab File: V05250320A13.D
 Acq: 20 Mar 2025 12:10 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
168	47.6	26.3	66.3
94	40.8	23.0	63.0



Manual Integration Report

Data Path	: K:\V0A105\2025\250320A\	QMethod	: V105_250220N_8260.m
Data File	: V05250320A13.D	Operator	: V0A105:PID
Date Inj'd	: 3/20/2025 12:10 pm	Instrument	: V0A105
Sample	: L2514879-01,31,10,10,,A	Quant Date	: 3/20/2025 1:02 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A14.D
 Acq On : 20 Mar 2025 12:35 pm
 Operator : VOA105:PID
 Sample : L2514879-02,31,10,10,,A
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 20 13:06:48 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250320A\V05250320A01.D
 Sub List : 8260-NYTCL - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	192831	10.000	ug/L	0.00
Standard Area 1 = 227962			Recovery	=	84.59%	
59) Chlorobenzene-d5	9.084	117	159288	10.000	ug/L	0.00
Standard Area 1 = 184103			Recovery	=	86.52%	
79) 1,4-Dichlorobenzene-d4	11.875	152	92577	10.000	ug/L	0.00
Standard Area 1 = 111889			Recovery	=	82.74%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	56378	10.426	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.26%	
43) 1,2-Dichloroethane-d4	5.323	65	61939	9.935	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.35%	
60) Toluene-d8	7.256	98	182840	8.816	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.16%	
83) 4-Bromofluorobenzene	10.623	95	65554	8.857	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.57%	
Target Compounds						
4) Vinyl chloride	0.000		0		N.D.	Qvalue
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.739	95	64		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	

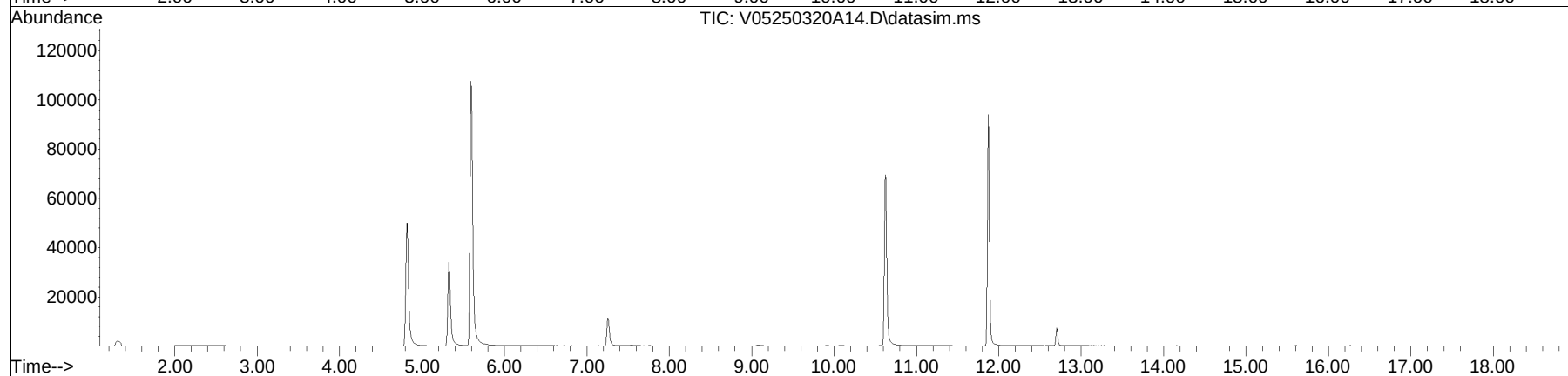
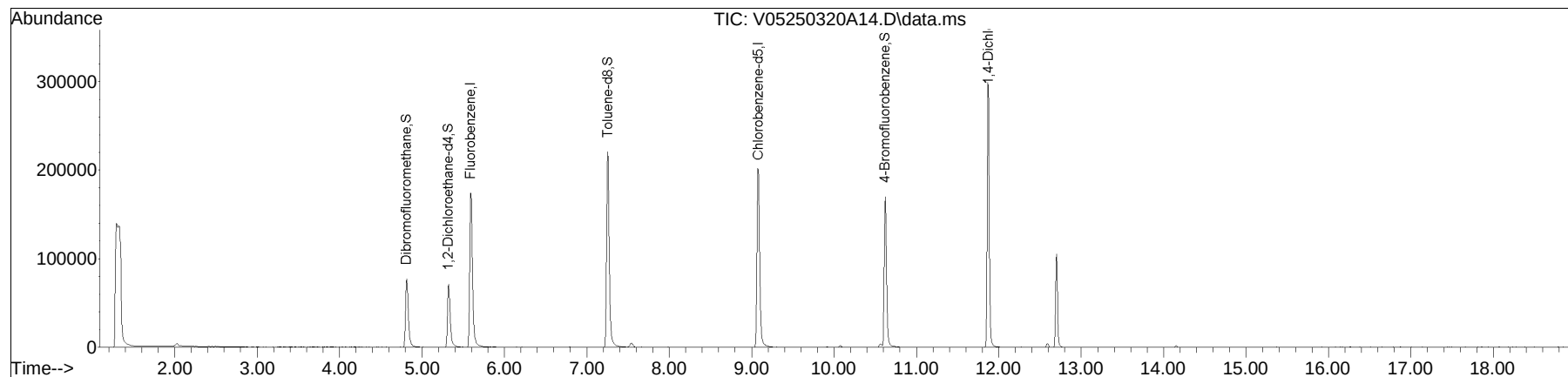
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A14.D
 Acq On : 20 Mar 2025 12:35 pm
 Operator : VOA105:PID
 Sample : L2514879-02,31,10,10,,A
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 20 13:06:48 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250320A01.D•



Manual Integration Report

Data Path	: K:\VOA105\2025\250320A\	QMethod	: V105_250220N_8260.m
Data File	: V05250320A14.D	Operator	: VOA105:PID
Date Inj'd	: 3/20/2025 12:35 pm	Instrument	: VOA105
Sample	: L2514879-02,31,10,10,,A	Quant Date	: 3/20/2025 1:02 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA105
Calibration dates : 02/21/25 00:05 02/21/25 03:54

Lab Number : L2514879
Project Number : 0210873-000-001-16
Ical Ref : ICAL22014

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.174	0.337	0.338	0.332	0.315	0.307	0.287	0.299	19.39
3) TP Chloromethane		0.314	0.435	0.413	0.403	0.390	0.376	0.363	0.385	10.14
4) TP Vinyl chloride	0.240	0.160	0.275	0.269	0.266	0.266	0.299	0.288	0.258	16.79
5) TP Bromomethane		0.082	0.103	0.108	0.114	0.128	0.137	0.140	0.116	17.75
6) TP Chloroethane		0.086	0.148	0.142	0.140	0.137	0.131	0.122	0.130	15.96
7) TP Trichlorofluor		0.209	0.394	0.392	0.383	0.368	0.350	0.325	0.346	18.79
8) TP Ethyl ether		0.057	0.068	0.077	0.075	0.075	0.076	0.073	0.072	9.58
10) TP 1,1-Dichloroet		0.103	0.174	0.182	0.177	0.177	0.174	0.169	0.165	16.75
11) TP Carbon disulfide		0.356	0.531	0.536	0.531	0.543	0.540	0.526	0.509	13.34
12) TP Freon-113		0.106	0.207	0.207	0.204	0.199	0.195	0.183	0.186	19.42
13) TP Iodomethane		0.258	0.332	0.362	0.372	0.374	0.326	0.300	0.332	12.82
14) TP Acrolein			0.019	0.028	0.031	0.032	0.034	0.032	0.029	18.51
15) TP Methylene chlo		0.233	0.255	0.244	0.235	0.230	0.229	0.221	0.235	4.74
17) TP Acetone			0.069	0.052	0.045	0.042	0.043	0.041	*L	0.9992
18) TP trans-1,2-Dich		0.145	0.248	0.245	0.240	0.238	0.234	0.226	0.225	15.98
19) TP Methyl acetate			0.086	0.116	0.120	0.119	0.122	0.111	0.112	11.95
20) TP Methyl tert butyl ether		0.355	0.414	0.478	0.485	0.492	0.499	0.481	0.458	11.61
21) TP tert-Butyl alc			0.008	0.011	0.010	0.011	0.011	0.011	0.010	13.38
22) TP Diisopropyl ether		0.708	0.836	0.915	0.926	0.916	0.905	0.857	0.866	8.95
23) TP 1,1-Dichloroet		0.380	0.513	0.520	0.501	0.488	0.478	0.461	0.477	9.96
24) TP Halothane		0.126	0.185	0.199	0.193	0.188	0.185	0.178	0.179	13.50
25) TP Acrylonitrile			0.055	0.069	0.067	0.068	0.070	0.065	0.066	8.67
26) TP Ethyl tert-but		0.520	0.620	0.705	0.721	0.733	0.733	0.700	0.676	11.69
27) TP Vinyl acetate			0.320	0.410	0.444	0.464	0.473	0.448	0.427	13.27
28) TP cis-1,2-Dichlo		0.177	0.260	0.269	0.259	0.255	0.251	0.243	0.245	12.69
29) TP 2,2-Dichloropr		0.213	0.340	0.337	0.355	0.353	0.348	0.336	0.326	15.45
30) TP Bromochloromet		0.094	0.136	0.136	0.128	0.121	0.116	0.108	0.120	12.82
31) TP Cyclohexane		0.306	0.587	0.622	0.609	0.582	0.569	0.529	*Q	1.0000
32) TP Chloroform		0.351	0.450	0.449	0.429	0.419	0.409	0.391	0.414	8.47
33) TP Ethyl acetate			0.128	0.178	0.172	0.177	0.183	0.172	0.168	11.94
34) TP Carbon tetrachloride	0.280	0.232	0.361	0.386	0.386	0.384	0.375	0.356	0.345	16.63
35) TP Tetrahydrofuran			0.047	0.053	0.051	0.050	0.055	0.051	0.051	5.51
36) S Dibromofluoromethane	0.278	0.281	0.295	0.286	0.288	0.278	0.271	0.266	0.280	3.29
37) TP 1,1,1-Trichlor		0.242	0.404	0.413	0.409	0.401	0.391	0.373	0.376	16.17
39) TP 2-Butanone			0.072	0.092	0.085	0.084	0.086	0.080	0.083	7.98



Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA105
Calibration dates : 02/21/25 00:05 02/21/25 03:54
Lab Number : L2514879
Project Number : 0210873-000-001-16
Ical Ref : ICAL22014

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP 1,1-Dichloropr		0.164	0.290	0.338	0.333	0.328	0.325	0.311	*L	0.9991
41) TP Benzene	0.739	0.658	0.920	0.935	0.907	0.893	0.883	0.855	0.849	11.56
42) TP Tertiary-Amyl Methyl Ether		0.350	0.393	0.446	0.462	0.481	0.494	0.480	0.444	11.98
43) S 1,2-Dichloroethane-d4	0.328	0.330	0.335	0.346	0.320	0.316	0.309	0.302	0.323	4.38
44) TP 1,2-Dichloroethane	0.273	0.305	0.349	0.351	0.331	0.322	0.314	0.298	0.318	8.23
47) TP Methyl cyclohe		0.229	0.416	0.444	0.447	0.438	0.439	0.413	0.404	19.40
48) TP Trichloroethene	0.220	0.193	0.266	0.268	0.258	0.252	0.246	0.237	0.242	10.53
50) TP Dibromomethane		0.098	0.124	0.133	0.129	0.126	0.128	0.124	0.123	9.30
51) TP 1,2-Dichloropr		0.213	0.258	0.274	0.272	0.268	0.267	0.260	0.259	8.15
53) TP 2-Chloroethyl			0.084	0.117	0.127	0.135	0.138	0.135	0.123	16.54
54) TP Bromodichlorom		0.233	0.301	0.321	0.322	0.320	0.320	0.310	0.304	10.60
57) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.11
58) TP cis-1,3-Dichloropropene	0.194	0.208	0.282	0.339	0.351	0.361	0.364		*Q	0.9998
59) I Chlorobenzene-d5	-----ISTD-----									
60) S Toluene-d8	1.296	1.313	1.309	1.319	1.297	1.290	1.294	1.300	1.302	0.79
61) TP Toluene		0.567	0.769	0.788	0.748	0.739	0.731	0.715	0.723	10.03
62) TP 4-Methyl-2-pen			0.055	0.072	0.075	0.079	0.082	0.079	0.074	13.62
63) TP Tetrachloroethene	0.306	0.236	0.379	0.391	0.377	0.369	0.365	0.353	0.347	14.95
65) TP trans-1,3-Dichloropropene	0.176	0.207	0.287	0.360	0.374	0.384	0.390		*Q	0.9997
67) TP Ethyl methacry			0.157	0.215	0.228	0.237	0.243	0.237	0.220	14.65
68) TP 1,1,2-Trichlor		0.159	0.177	0.195	0.183	0.178	0.180	0.173	0.178#	6.15
69) TP Chlorodibromom		0.204	0.266	0.310	0.309	0.311	0.314	0.308	0.289	14.23
70) TP 1,3-Dichloropr		0.323	0.366	0.402	0.385	0.382	0.385	0.373	0.374	6.70
71) TP 1,2-Dibromoethane		0.150	0.207	0.230	0.228	0.227	0.231	0.223	0.214	13.72
72) TP 2-Hexanone			0.081	0.117	0.122	0.130	0.137	0.133	0.120	16.97
73) TP Chlorobenzene		0.723	0.901	0.931	0.894	0.877	0.865	0.847	0.863	7.79
74) TP Ethylbenzene		1.003	1.432	1.528	1.482	1.458	1.436	1.393	1.390	12.66
75) TP 1,1,1,2-Tetrac		0.248	0.298	0.336	0.326	0.331	0.328	0.318	0.312	9.90
76) TP p/m Xylene		0.368	0.549	0.613	0.585	0.568	0.554	0.531	0.538	14.84
77) TP o Xylene		0.338	0.533	0.583	0.560	0.547	0.536	0.514	0.516	15.80
78) TP Styrene		0.538	0.846	0.948	0.913	0.892	0.872	0.829	0.834	16.37
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP Bromoform		0.180	0.239	0.292	0.294	0.306	0.341	0.335	*L	0.9977
82) TP Isopropylbenzene		1.482	2.394	2.686	2.650	2.643	2.657	2.634	2.449	17.87
83) S 4-Bromofluorobenzene	0.826	0.802	0.785	0.790	0.777	0.780	0.816	0.820	0.799	2.40
84) TP Bromobenzene		0.485	0.606	0.638	0.625	0.625	0.636	0.633	0.607	9.00



Initial Calibration Summary

Form 6

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA105
 Calibration dates : 02/21/25 00:05 02/21/25 03:54

Lab Number : L2514879
 Project Number : 0210873-000-001-16
 Ical Ref : ICAL22014

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP n-Propylbenzene	1.941	2.853	3.057	3.010	2.996	3.009	2.947	2.830	14.04	
86) TP 1,4-Dichlorobu	0.776	0.764	0.799	0.756	0.750	0.766	0.740	0.764	2.53	
87) TP 1,1,2,2-Tetrachloroethane	0.405	0.426	0.419	0.440	0.417	0.417	0.430	0.418	0.422	2.48
88) TP 4-Ethyltoluene	1.553	2.410	2.639	2.601	2.579	2.569	2.507	2.408	15.96	
89) TP 2-Chlorotoluene	1.312	1.791	1.817	1.746	1.721	1.736	1.651	1.682	10.20	
90) TP 1,3,5-Trimethy	1.444	2.172	2.322	2.264	2.223	2.210	2.160	2.113	14.21	
91) TP 1,2,3-Trichlor	0.333	0.332	0.351	0.331	0.328	0.337	0.329	0.334	2.39	
92) TP trans-1,4-Dich	0.128	0.157	0.148	0.152	0.158	0.153	0.149		7.48	
93) TP 4-Chlorotoluene	1.359	1.796	1.817	1.795	1.791	1.798	1.788	1.735	9.57	
94) TP tert-Butylbenzene	1.145	1.818	2.009	2.001	1.984	2.000	1.953	1.844	17.10	
97) TP 1,2,4-Trimethy	1.231	1.953	2.230	2.202	2.184	2.179	2.127	2.015	17.76	
98) TP sec-Butylbenzene	1.603	2.645	2.852	2.803	2.793	2.786	2.706	2.598	17.10	
99) TP p-Isopropyltol	1.320	2.235	2.541	2.539	2.536	2.528	2.448	2.307	19.46	
100) TP 1,3-Dichlorobe	0.959	1.257	1.307	1.272	1.258	1.261	1.230	1.220	9.63	
101) TP 1,4-Dichlorobe	1.135	1.300	1.317	1.280	1.255	1.257	1.235	1.254	4.74	
102) TP p-Diethylbenzene	0.813	1.272	1.461	1.492	1.489	1.495	1.456	1.354	18.55	
103) TP n-Butylbenzene	1.124	1.903	1.985	1.965	1.953	1.962	1.886	1.826	17.05	
104) TP 1,2-Dichlorobe	0.902	1.132	1.182	1.145	1.130	1.137	1.105	1.105	8.34	
105) TP 1,2,4,5-Tetram	1.554	2.062	2.171	2.202	2.217	2.158	2.061		12.33	
106) TP 1,2-Dibromo-3-	0.015	0.052	0.065	0.067	0.072	0.074	0.073	*L	0.9994	
107) TP 1,3,5-Trichlor	0.598	0.808	0.870	0.854	0.858	0.861	0.833	0.812	11.88	
108) TP Hexachlorobuta	0.192	0.283	0.297	0.298	0.304	0.311	0.305	0.284	14.67	
109) TP 1,2,4-Trichlor	0.471	0.644	0.722	0.728	0.724	0.736	0.712	0.677	14.13	
110) TP Naphthalene	0.895	1.110	1.472	1.497	1.496	1.547	1.476	1.356	18.50	
111) TP 1,2,3-Trichlor	0.397	0.541	0.624	0.609	0.600	0.610	0.593	0.568	14.08	



Response Factor Report VOA105

Method Path : K:\VOA105\2025\250220NICAL\
 Method File : V105_250220N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Feb 21 12:33:29 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

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

1) I	Fluorobenzene	-----ISTD-----									
2) TP	Dichlorodifluo...	0.174	0.337	0.338	0.332	0.315	0.307	0.287	0.299	19.39	
3) TP	Chloromethane	0.314	0.435	0.413	0.403	0.390	0.376	0.363	0.385	10.14	
4) TP	Vinyl chloride	0.240 0.160	0.275	0.269	0.266	0.266	0.299	0.288	0.258	16.79	
5) TP	Bromomethane	0.082	0.103	0.108	0.114	0.128	0.137	0.140	0.116	17.75	
6) TP	Chloroethane	0.086	0.148	0.142	0.140	0.137	0.131	0.122	0.130	15.96	
7) TP	Trichlorofluor...	0.209	0.394	0.392	0.383	0.368	0.350	0.325	0.346	18.79	
8) TP	Ethyl ether	0.057	0.068	0.077	0.075	0.075	0.076	0.073	0.072	9.58	
10) TP	1,1-Dichloroet...	0.103	0.174	0.182	0.177	0.177	0.174	0.169	0.165	16.75	
11) TP	Carbon disulfide	0.356	0.531	0.536	0.531	0.543	0.540	0.526	0.509	13.34	
12) TP	Freon-113	0.106	0.207	0.207	0.204	0.199	0.195	0.183	0.186	19.42	
13) TP	Iodomethane	0.258	0.332	0.362	0.372	0.374	0.326	0.300	0.332	12.82	
14) TP	Acrolein		0.019	0.028	0.031	0.032	0.034	0.032	0.029	18.51	
15) TP	Methylene chlo...	0.233	0.255	0.244	0.235	0.230	0.229	0.221	0.235	4.74	
17) TP	Acetone		0.069	0.052	0.045	0.042	0.043	0.041	*L	0.9992	
18) TP	trans-1,2-Dich...	0.145	0.248	0.245	0.240	0.238	0.234	0.226	0.225	15.98	
19) TP	Methyl acetate		0.086	0.116	0.120	0.119	0.122	0.111	0.112	11.95	
20) TP	Methyl tert-bu...	0.355	0.414	0.478	0.485	0.492	0.499	0.481	0.458	11.61	
21) TP	tert-Butyl alc...		0.008	0.011	0.010	0.011	0.011	0.011	0.010	13.38	
22) TP	Diisopropyl ether	0.708	0.836	0.915	0.926	0.916	0.905	0.857	0.866	8.95	
23) TP	1,1-Dichloroet...	0.380	0.513	0.520	0.501	0.488	0.478	0.461	0.477	9.96	
24) TP	Halothane	0.126	0.185	0.199	0.193	0.188	0.185	0.178	0.179	13.50	
25) TP	Acrylonitrile		0.055	0.069	0.067	0.068	0.070	0.065	0.066	8.67	
26) TP	Ethyl tert-but...	0.520	0.620	0.705	0.721	0.733	0.733	0.700	0.676	11.69	
27) TP	Vinyl acetate		0.320	0.410	0.444	0.464	0.473	0.448	0.427	13.27	
28) TP	cis-1,2-Dichlo...	0.177	0.260	0.269	0.259	0.255	0.251	0.243	0.245	12.69	
29) TP	2,2-Dichloropr...	0.213	0.340	0.337	0.355	0.353	0.348	0.336	0.326	15.45	
30) TP	Bromochloromet...	0.094	0.136	0.136	0.128	0.121	0.116	0.108	0.120	12.82	
31) TP	Cyclohexane	0.306	0.587	0.622	0.609	0.582	0.569	0.529	*Q	1.0000	
32) TP	Chloroform	0.351	0.450	0.449	0.429	0.419	0.409	0.391	0.414	8.47	
33) TP	Ethyl acetate		0.128	0.178	0.172	0.177	0.183	0.172	0.168	11.94	

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250220NICAL\
 Method File : V105_250220N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Feb 21 12:33:29 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP Carbon tetrach...	0.280	0.232	0.361	0.386	0.386	0.384	0.375	0.356	0.345	16.63
35)	TP Tetrahydrofuran		0.047	0.053	0.051	0.050	0.055	0.051	0.051		5.51
36)	S Dibromofluorom...	0.278	0.281	0.295	0.286	0.288	0.278	0.271	0.266	0.280	3.29
37)	TP 1,1,1-Trichlor...		0.242	0.404	0.413	0.409	0.401	0.391	0.373	0.376	16.17
39)	TP 2-Butanone		0.072	0.092	0.085	0.084	0.086	0.080	0.083		7.98
40)	TP 1,1-Dichloropr...		0.164	0.290	0.338	0.333	0.328	0.325	0.311	*L	0.9991
41)	TP Benzene	0.739	0.658	0.920	0.935	0.907	0.893	0.883	0.855	0.849	11.56
42)	TP tert-Amyl meth...		0.350	0.393	0.446	0.462	0.481	0.494	0.480	0.444	11.98
43)	S 1,2-Dichloroet...	0.328	0.330	0.335	0.346	0.320	0.316	0.309	0.302	0.323	4.38
44)	TP 1,2-Dichloroet...	0.273	0.305	0.349	0.351	0.331	0.322	0.314	0.298	0.318	8.23
47)	TP Methyl cyclohe...		0.229	0.416	0.444	0.447	0.438	0.439	0.413	0.404	19.40
48)	TP Trichloroethene	0.220	0.193	0.266	0.268	0.258	0.252	0.246	0.237	0.242	10.53
50)	TP Dibromomethane		0.098	0.124	0.133	0.129	0.126	0.128	0.124	0.123	9.30
51)	TP 1,2-Dichloropr...		0.213	0.258	0.274	0.272	0.268	0.267	0.260	0.259	8.15
53)	TP 2-Chloroethyl ...			0.084	0.117	0.127	0.135	0.138	0.135	0.123	16.54
54)	TP Bromodichlorom...		0.233	0.301	0.321	0.322	0.320	0.320	0.310	0.304	10.60
57)	TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	13.11
58)	TP cis-1,3-Dichlo...	0.194	0.208	0.282	0.339	0.351	0.361	0.364		*Q	0.9998
59)	I Chlorobenzene-d5	-----ISTD-----									
60)	S Toluene-d8	1.296	1.313	1.309	1.319	1.297	1.290	1.294	1.300	1.302	0.79
61)	TP Toluene		0.567	0.769	0.788	0.748	0.739	0.731	0.715	0.723	10.03
62)	TP 4-Methyl-2-pen...			0.055	0.072	0.075	0.079	0.082	0.079	0.074	13.62
63)	TP Tetrachloroethene	0.306	0.236	0.379	0.391	0.377	0.369	0.365	0.353	0.347	14.95
65)	TP trans-1,3-Dich...	0.176	0.207	0.287	0.360	0.374	0.384	0.390		*Q	0.9997
67)	TP Ethyl methacry...			0.157	0.215	0.228	0.237	0.243	0.237	0.220	14.65
68)	TP 1,1,2-Trichlor...		0.159	0.177	0.195	0.183	0.178	0.180	0.173	0.178#	6.15
69)	TP Chlorodibromom...		0.204	0.266	0.310	0.309	0.311	0.314	0.308	0.289	14.23
70)	TP 1,3-Dichloropr...		0.323	0.366	0.402	0.385	0.382	0.385	0.373	0.374	6.70
71)	TP 1,2-Dibromoethane		0.150	0.207	0.230	0.228	0.227	0.231	0.223	0.214	13.72
72)	TP 2-Hexanone			0.081	0.117	0.122	0.130	0.137	0.133	0.120	16.97
73)	TP Chlorobenzene		0.723	0.901	0.931	0.894	0.877	0.865	0.847	0.863	7.79

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250220NICAL\
 Method File : V105_250220N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Feb 21 12:33:29 2025
 Response Via : Initial Calibration

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
 L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74) TP	Ethylbenzene	1.003	1.432	1.528	1.482	1.458	1.436	1.393	1.390	12.66	
75) TP	1,1,1,2-Tetrac...	0.248	0.298	0.336	0.326	0.331	0.328	0.318	0.312	9.90	
76) TP	p/m Xylene	0.368	0.549	0.613	0.585	0.568	0.554	0.531	0.538	14.84	
77) TP	o Xylene	0.338	0.533	0.583	0.560	0.547	0.536	0.514	0.516	15.80	
78) TP	Styrene	0.538	0.846	0.948	0.913	0.892	0.872	0.829	0.834	16.37	
79) I	1,4-Dichlorobenzene-d4	-----ISTD-----									
80) TP	Bromoform	0.180	0.239	0.292	0.294	0.306	0.341	0.335	*L	0.9977	
82) TP	Isopropylbenzene	1.482	2.394	2.686	2.650	2.643	2.657	2.634	2.449	17.87	
83) S	4-Bromofluorob...	0.826	0.802	0.785	0.790	0.777	0.780	0.816	0.820	0.799	2.40
84) TP	Bromobenzene	0.485	0.606	0.638	0.625	0.625	0.636	0.633	0.607	9.00	
85) TP	n-Propylbenzene	1.941	2.853	3.057	3.010	2.996	3.009	2.947	2.830	14.04	
86) TP	1,4-Dichlorobu...	0.776	0.764	0.799	0.756	0.750	0.766	0.740	0.764	2.53	
87) TP	1,1,2,2-Tetrac...	0.405	0.426	0.419	0.440	0.417	0.430	0.418	0.422	2.48	
88) TP	4-Ethyltoluene	1.553	2.410	2.639	2.601	2.579	2.569	2.507	2.408	15.96	
89) TP	2-Chlorotoluene	1.312	1.791	1.817	1.746	1.721	1.736	1.651	1.682	10.20	
90) TP	1,3,5-Trimethy...	1.444	2.172	2.322	2.264	2.223	2.210	2.160	2.113	14.21	
91) TP	1,2,3-Trichlor...	0.333	0.332	0.351	0.331	0.328	0.337	0.329	0.334	2.39	
92) TP	trans-1,4-Dich...		0.128	0.157	0.148	0.152	0.158	0.153	0.149	7.48	
93) TP	4-Chlorotoluene	1.359	1.796	1.817	1.795	1.791	1.798	1.788	1.735	9.57	
94) TP	tert-Butylbenzene	1.145	1.818	2.009	2.001	1.984	2.000	1.953	1.844	17.10	
97) TP	1,2,4-Trimethy...	1.231	1.953	2.230	2.202	2.184	2.179	2.127	2.015	17.76	
98) TP	sec-Butylbenzene	1.603	2.645	2.852	2.803	2.793	2.786	2.706	2.598	17.10	
99) TP	p-Isopropyltol...	1.320	2.235	2.541	2.539	2.536	2.528	2.448	2.307	19.46	
100) TP	1,3-Dichlorobe...	0.959	1.257	1.307	1.272	1.258	1.261	1.230	1.220	9.63	
101) TP	1,4-Dichlorobe...	1.135	1.300	1.317	1.280	1.255	1.257	1.235	1.254	4.74	
102) TP	p-Diethylbenzene	0.813	1.272	1.461	1.492	1.489	1.495	1.456	1.354	18.55	
103) TP	n-Butylbenzene	1.124	1.903	1.985	1.965	1.953	1.962	1.886	1.826	17.05	
104) TP	1,2-Dichlorobe...	0.902	1.132	1.182	1.145	1.130	1.137	1.105	1.105	8.34	
105) TP	1,2,4,5-Tetram...		1.554	2.062	2.171	2.202	2.217	2.158	2.061	12.33	
106) TP	1,2-Dibromo-3-...	0.015	0.052	0.065	0.067	0.072	0.074	0.073	*L	0.9994	
107) TP	1,3,5-Trichlor...	0.598	0.808	0.870	0.854	0.858	0.861	0.833	0.812	11.88	

Response Factor Report VOA105

Method Path : K:\VOA105\2025\250220NICAL\
Method File : V105_250220N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 21 12:33:29 2025
Response Via : Initial Calibration

Calibration Files

L11 =V05250220N04.D L1 =V05250220N05.D L2 =V05250220N07.D L3 =V05250220N09.D L4 =V05250220N10.D
L6 =V05250220N11.D L8 =V05250220N12.D L10 =V05250220N13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108) TP Hexachlorobuta...	0.192	0.283	0.297	0.298	0.304	0.311	0.305	0.284	14.67	
109) TP 1,2,4-Trichlor...	0.471	0.644	0.722	0.728	0.724	0.736	0.712	0.677	14.13	
110) TP Naphthalene	0.895	1.110	1.472	1.497	1.496	1.547	1.476	1.356	18.50	
111) TP 1,2,3-Trichlor...	0.397	0.541	0.624	0.609	0.600	0.610	0.593	0.568	14.08	

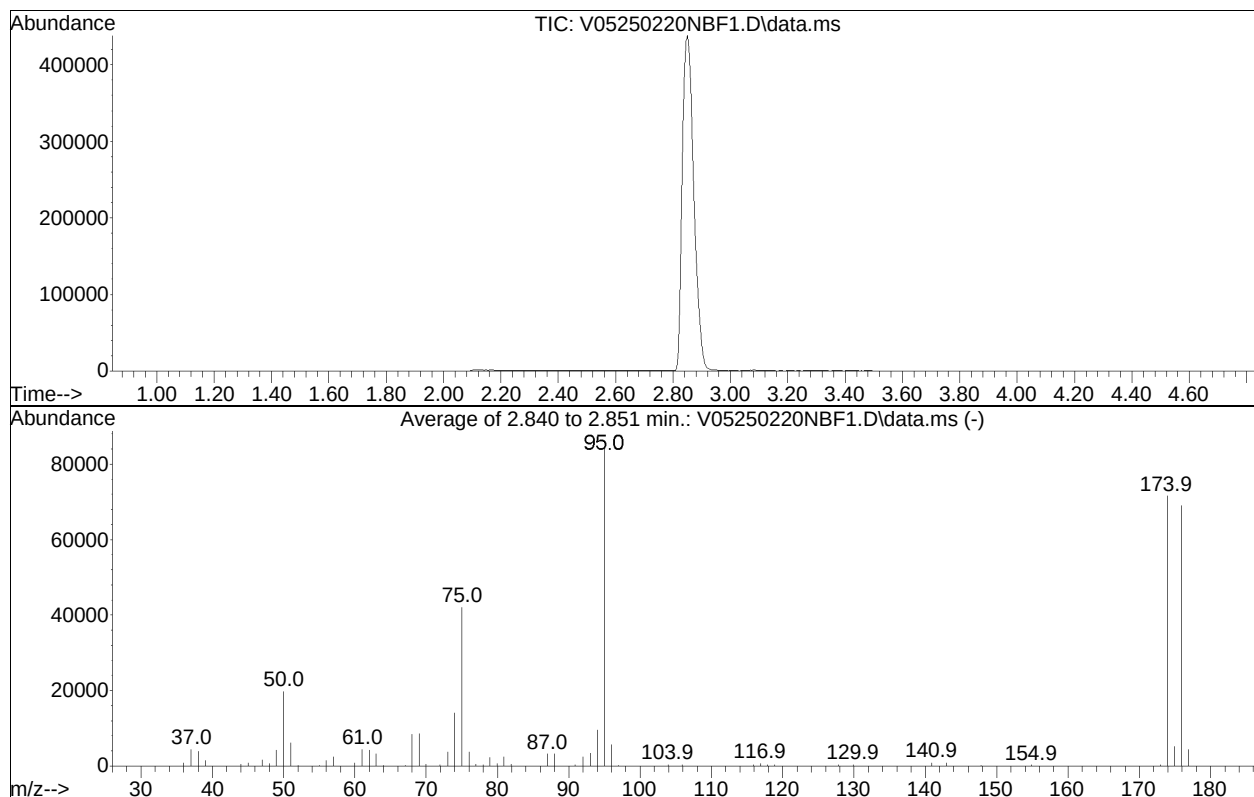
(#) = Out of Range

BFB

Data Path : K:\VOA105\2025\250220NICAL\
Data File : V05250220NBF1.D
Acq On : 20 Feb 2025 10:13 pm
Operator : VOA105:TMS
Sample : WG2032723-1
Misc : WG2032723
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 21 12:33:29 2025



AutoFind: Scans 138, 139, 140; Background Corrected with Scan 130

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	19800	PASS
75	95	30	60	49.7	42083	PASS
95	95	100	100	100.0	84635	PASS
96	95	5	9	6.8	5740	PASS
173	174	0.00	2	0.6	406	PASS
174	95	50	100	84.6	71613	PASS
175	174	5	9	7.2	5132	PASS
176	174	95	101	96.4	69048	PASS
177	176	5	9	6.4	4424	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N04.D
 Acq On : 21 Feb 2025 12:05 am
 Operator : VOA105:PID
 Sample : I8260STD0.19PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 21 12:21:46 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-L11_NJnew - L11 new NJ

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

Internal Standards						
1) Fluorobenzene	5.598	96	231561	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	111.39%	
59) Chlorobenzene-d5	9.077	117	174671	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	107.75%	
79) 1,4-Dichlorobenzene-d4	11.868	152	97508	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	100.90%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	64363	9.912	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.12%	
43) 1,2-Dichloroethane-d4	5.323	65	75873	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.34%	
60) Toluene-d8	7.256	98	226287	9.950	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.50%	
83) 4-Bromofluorobenzene	10.623	95	80501	10.327	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	103.27%	
Target Compounds						Qvalue
4) Vinyl chloride	1.698	62	1057	0.177	ug/L	90
34) Carbon tetrachloride	4.760	117	1233	0.154	ug/L #	79
41) Benzene	5.189	78	3253M6	0.165	ug/L	
44) 1,2-Dichloroethane	5.401	62	1202	0.163	ug/L #	82
48) Trichloroethene	5.782	95	969	0.173	ug/L	88
58) cis-1,3-Dichloropropene	7.066	75	855	0.120	ug/L #	76
63) Tetrachloroethene	7.750	166	1014	0.167	ug/L	74
65) trans-1,3-Dichloropropene	7.835	75	583	0.104	ug/L #	58
87) 1,1,2,2-Tetrachloroethane	10.892	83	751	0.183	ug/L #	80

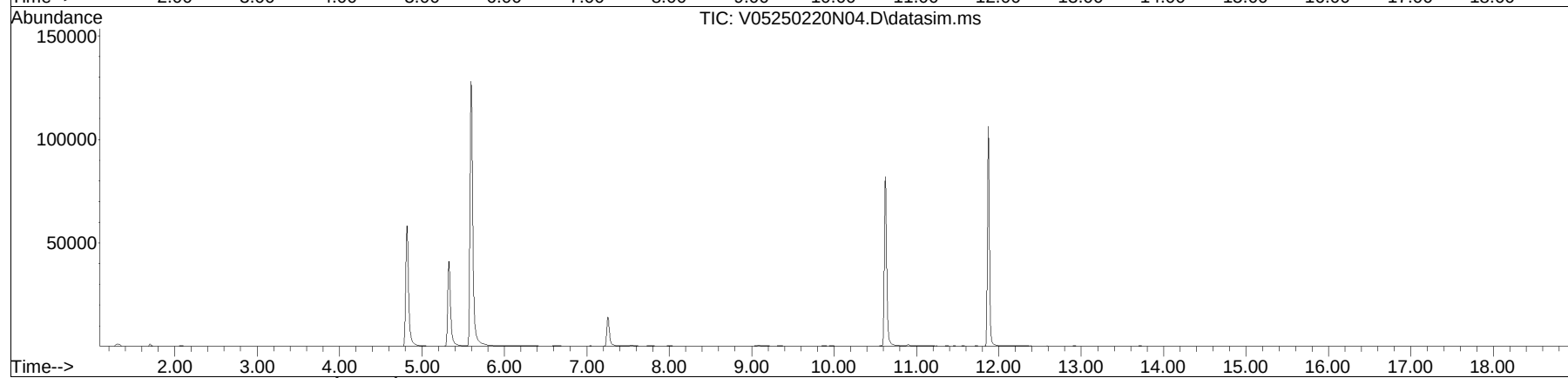
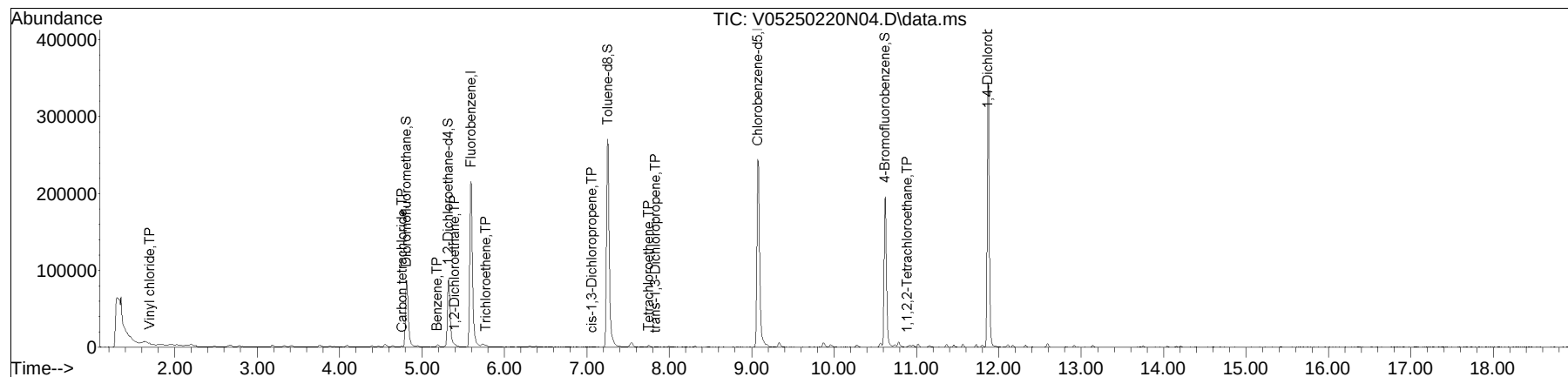
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N04.D
 Acq On : 21 Feb 2025 12:05 am
 Operator : VOA105:PID
 Sample : I8260STD0.19PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 21 12:21:46 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

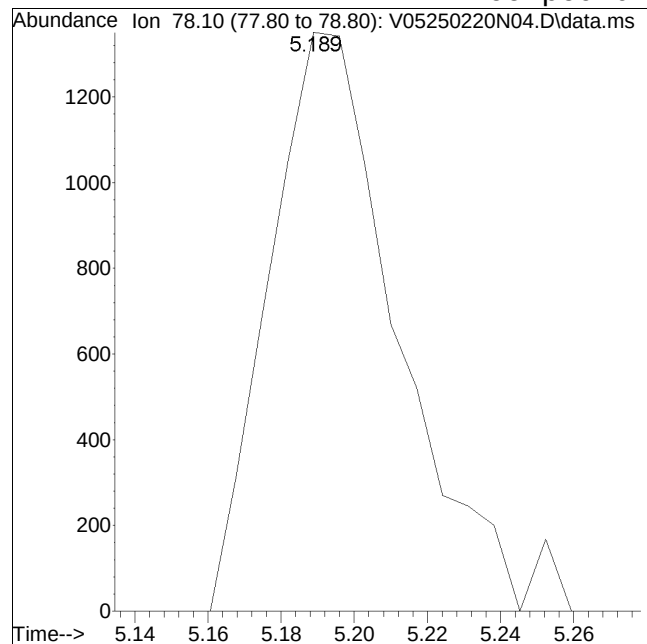
Sub List : 8260-L11_NJnew - L11 new NJCAL\V05250220N09.D•



Manual Integration Report

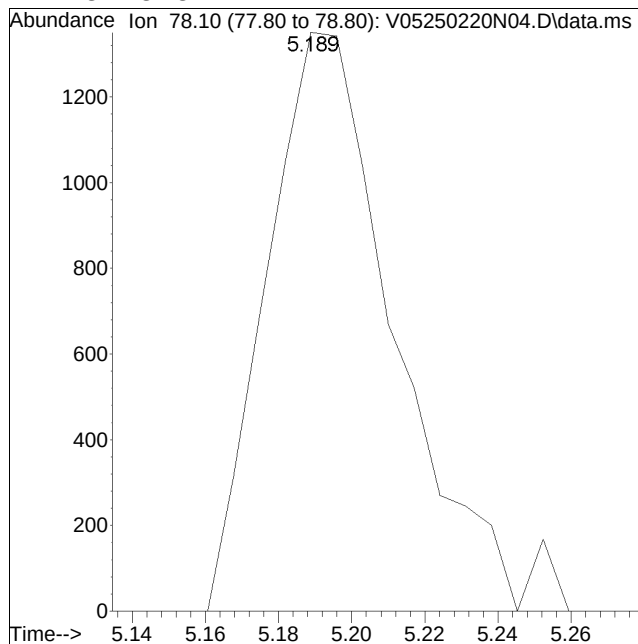
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N04.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 12:05 am Instrument : VOA105
Sample : I8260STD0.19PPB Quant Date : 2/21/2025 12:21 pm

Compound #41: Benzene



Original Peak Response = 3324

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



Manual Peak Response = 3253 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N05.D
 Acq On : 21 Feb 2025 12:30 am
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 21 12:21:53 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	222520	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	107.04%	
59) Chlorobenzene-d5	9.077	117	168705	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	104.07%	
79) 1,4-Dichlorobenzene-d4	11.868	152	97805	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	101.21%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	62435	10.006	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.06%	
43) 1,2-Dichloroethane-d4	5.323	65	73517	10.219	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.19%	
60) Toluene-d8	7.256	98	221471	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.82%	
83) 4-Bromofluorobenzene	10.616	95	78439	10.032	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	100.32%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	1936	0.291	ug/L #	89
3) Chloromethane	1.630	50	3498	0.409	ug/L #	93
4) Vinyl chloride	1.698	62	1776	0.310	ug/L	99
5) Bromomethane	1.973	94	911	0.353	ug/L	97
6) Chloroethane	2.069	64	962	0.334	ug/L	97
7) Trichlorofluoromethane	2.200	101	2327	0.302	ug/L	96
8) Ethyl ether	2.488	74	639	0.401	ug/L #	65
10) 1,1-Dichloroethene	2.653	96	1146	0.312	ug/L	89
11) Carbon disulfide	2.680	76	3956	0.349	ug/L #	88
12) Freon-113	2.680	101	1181	0.286	ug/L #	66
13) Iodomethane	2.783	142	2866	0.388	ug/L	95
14) Acrolein	0.000		0	N.D.		
15) Methylene chloride	3.181	84	2596	0.496	ug/L	96
17) Acetone	3.263	43	1352	1.026	ug/L #	49
18) trans-1,2-Dichloroethene	3.325	96	1615	0.322	ug/L	87
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	3.414	73	3951	0.388	ug/L #	64
21) tert-Butyl alcohol	0.000		0	N.D.	d	
22) Diisopropyl ether	3.758	45	7874	0.409	ug/L	97
23) 1,1-Dichloroethane	3.881	63	4228	0.398	ug/L	93
24) Halothane	3.943	117	1406	0.353	ug/L #	71

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N05.D
 Acq On : 21 Feb 2025 12:30 am
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 21 12:21:53 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

25) Acrylonitrile	0.000		0	N.D.	d	
26) Ethyl tert-butyl ether	4.087	59	5783	0.384	ug/L #	66
27) Vinyl acetate	0.000		0	N.D.	d	
28) cis-1,2-Dichloroethene	4.389	96	1966	0.361	ug/L	83
29) 2,2-Dichloropropane	4.471	77	2371	0.327	ug/L	83
30) Bromochloromethane	4.574	128	1045	0.392	ug/L #	72
31) Cyclohexane	4.547	56	3407	0.282	ug/L	95
32) Chloroform	4.643	83	3901	0.423	ug/L	95
33) Ethyl acetate	0.000		0	N.D.	d	
34) Carbon tetrachloride	4.760	117	2586	0.337	ug/L #	89
35) Tetrahydrofuran	0.000		0	N.D.	d	
37) 1,1,1-Trichloroethane	4.822	97	2688	0.321	ug/L	96
39) 2-Butanone	0.000		0	N.D.	d	
40) 1,1-Dichloropropene	4.945	75	1826	0.275	ug/L #	84
41) Benzene	5.189	78	7325	0.388	ug/L	93
42) tert-Amyl methyl ether	5.295	73	3893	0.394	ug/L	93
44) 1,2-Dichloroethane	5.401	62	3394	0.480	ug/L #	91
47) Methyl cyclohexane	5.732	83	2543	0.283	ug/L	97
48) Trichloroethene	5.775	95	2144	0.397	ug/L	89
50) Dibromomethane	6.219	93	1095	0.399	ug/L	95
51) 1,2-Dichloropropane	6.311	63	2369	0.411	ug/L	93
53) 2-Chloroethyl vinyl ether	7.045	63	390	0.159	ug/L #	69
54) Bromodichloromethane	6.381	83	2590	0.383	ug/L #	96
57) 1,4-Dioxane	6.600	88	1783	74.400	ug/L	95
58) cis-1,3-Dichloropropene	7.066	75	2310	0.338	ug/L #	92
61) Toluene	7.313	92	4787	0.393	ug/L	92
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	7.750	166	1988	0.340	ug/L	99
65) trans-1,3-Dichloropropene	7.821	75	1742	0.323	ug/L	89
67) Ethyl methacrylate	8.011	69	779	0.229	ug/L #	47
68) 1,1,2-Trichloroethane	7.990	83	1339	0.446	ug/L	95
69) Chlorodibromomethane	8.195	129	1718	0.353	ug/L	95
70) 1,3-Dichloropropane	8.315	76	2725	0.432	ug/L	89
71) 1,2-Dibromoethane	8.463	107	1262	0.350	ug/L	96
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	9.098	112	6101	0.419	ug/L #	78
74) Ethylbenzene	9.140	91	8458	0.361	ug/L	93
75) 1,1,1,2-Tetrachloroethane	9.183	131	2090	0.397	ug/L #	82
76) p/m Xylene	9.331	106	6201	0.683	ug/L	94
77) o Xylene	9.874	106	5699	0.655	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N05.D
 Acq On : 21 Feb 2025 12:30 am
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 21 12:21:53 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.952	104	9076	0.645	ug/L	98
80)	Bromoform	9.973	173	878	0.316	ug/L	86
82)	Isopropylbenzene	10.277	105	7247	0.303	ug/L	95
84)	Bromobenzene	10.736	156	2373	0.400	ug/L	95
85)	n-Propylbenzene	10.786	91	9491	0.343	ug/L	94
86)	1,4-Dichlorobutane	10.814	55	3794	0.508	ug/L #	87
87)	1,1,2,2-Tetrachloroethane	10.892	83	2082	0.505	ug/L #	92
88)	4-Ethyltoluene	10.913	105	7596	0.322	ug/L	96
89)	2-Chlorotoluene	10.956	91	6416M6	0.390	ug/L	
90)	1,3,5-Trimethylbenzene	11.019	105	7061	0.342	ug/L	95
91)	1,2,3-Trichloropropane	11.026	75	1627	0.497	ug/L #	86
92)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
93)	4-Chlorotoluene	11.154	91	6645	0.392	ug/L	88
94)	tert-Butylbenzene	11.366	119	5600	0.310	ug/L	95
97)	1,2,4-Trimethylbenzene	11.451	105	6019	0.305	ug/L	100
98)	sec-Butylbenzene	11.564	105	7838	0.308	ug/L	94
99)	p-Isopropyltoluene	11.720	119	6455	0.286	ug/L	99
100)	1,3-Dichlorobenzene	11.797	146	4690	0.393	ug/L	96
101)	1,4-Dichlorobenzene	11.882	146	5551M3	0.453	ug/L	
102)	p-Diethylbenzene	12.109	119	3976	0.300	ug/L	97
103)	n-Butylbenzene	12.165	91	5497	0.308	ug/L	91
104)	1,2-Dichlorobenzene	12.321	146	4413	0.408	ug/L	97
105)	1,2,4,5-Tetramethylben...	12.915	119	5159	0.275	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.106	155	71	0.121	ug/L #	1
107)	1,3,5-Trichlorobenzene	13.141	180	2925	0.368	ug/L	98
108)	Hexachlorobutadiene	13.714	225	939	0.338	ug/L	91
109)	1,2,4-Trichlorobenzene	13.743	180	2305	0.348	ug/L	98
110)	Naphthalene	14.040	128	4376	0.330	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	1939	0.349	ug/L	88

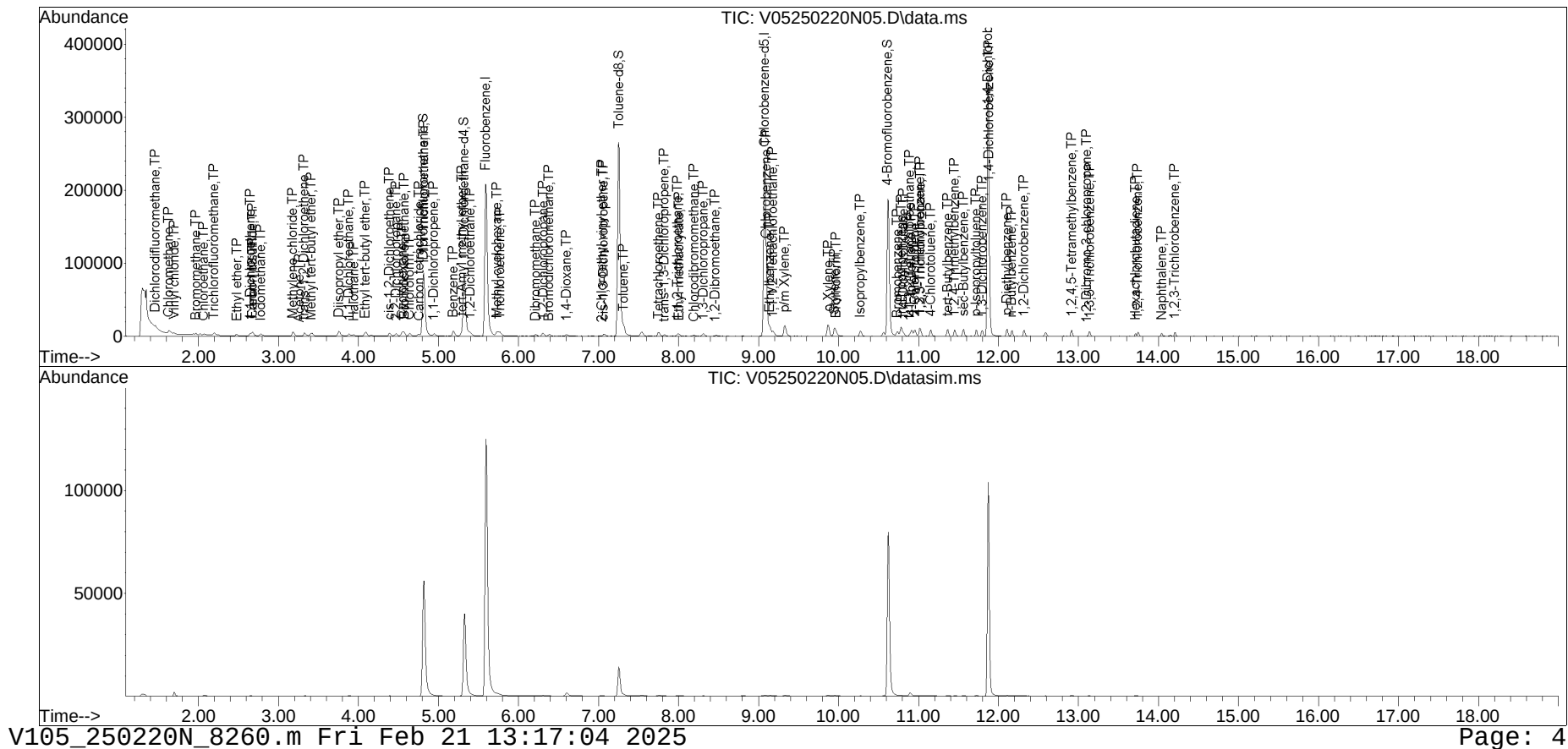
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
Data File : V05250220N05.D
Acq On : 21 Feb 2025 12:30 am
Operator : VOA105:PID
Sample : I8260STD0.5PPB
Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 21 12:21:53 2025
Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:21:17 2025
Response via : Initial Calibration

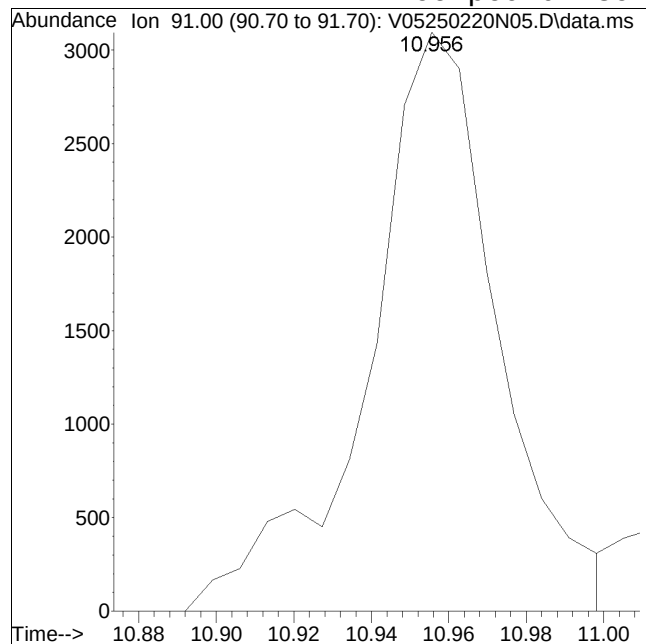
Sub List : 8260-Curve - Megamix plus Diox\V05250220N09.D•



Manual Integration Report

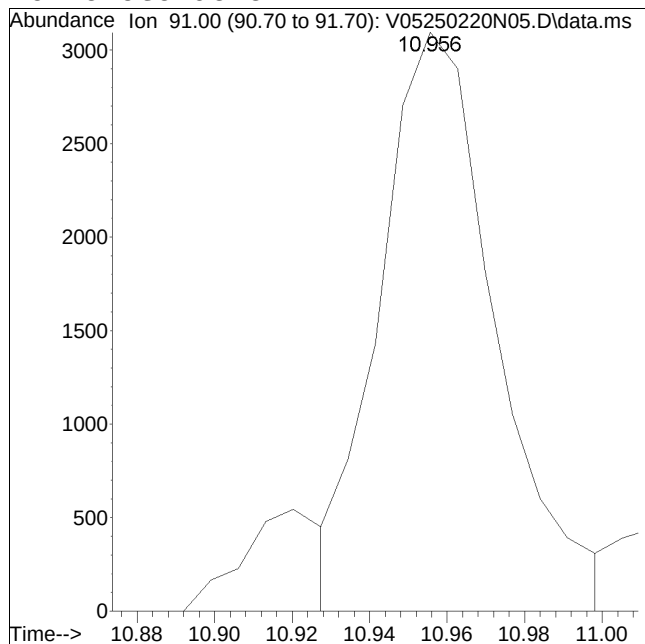
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N05.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 12:30 am Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 2/21/2025 12:21 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 7209

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

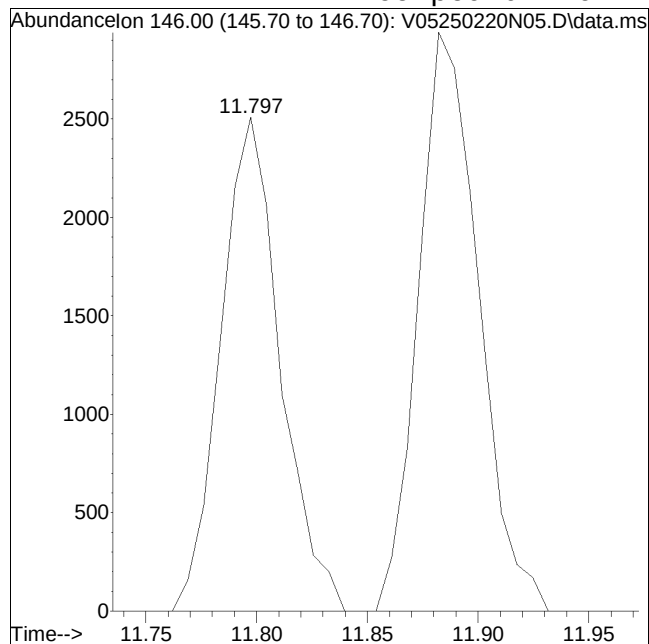


Manual Peak Response = 6416 M6

Manual Integration Report

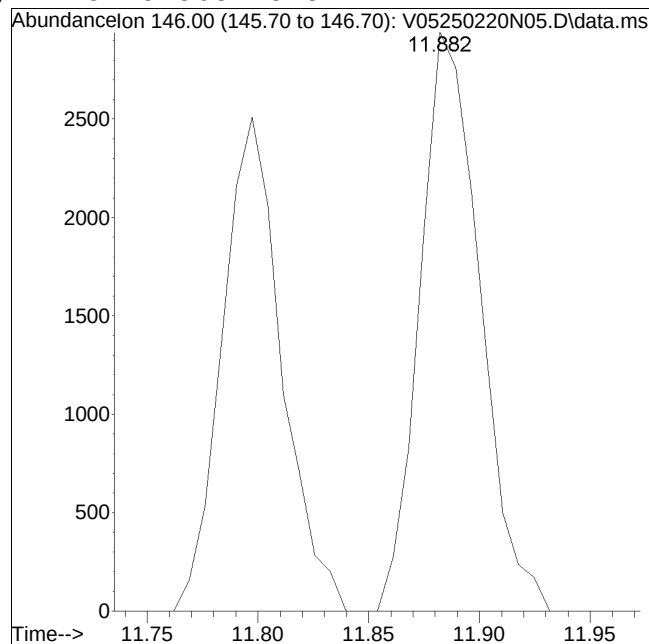
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N05.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 12:30 am Instrument : VOA105
Sample : I8260STD0.5PPB Quant Date : 2/21/2025 12:21 pm

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 4690

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



Manual Peak Response = 5551 M3

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N07.D
 Acq On : 21 Feb 2025 1:21 am
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2032723, ICAL (Sig #1); WG, ICAL21989 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 21 12:22:00 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	206134	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery =	99.16%		
59) Chlorobenzene-d5	9.076	117	159960	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery =	98.67%		
79) 1,4-Dichlorobenzene-d4	11.868	152	95463	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery =	98.79%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	60818	10.522	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.22%		
43) 1,2-Dichloroethane-d4	5.323	65	69008	10.354	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.54%		
60) Toluene-d8	7.256	98	209312	10.050	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%		
83) 4-Bromofluorobenzene	10.623	95	74980	9.825	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.25%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	13899	2.258	ug/L	100
3) Chloromethane	1.636	50	17920	2.259	ug/L	99
4) Vinyl chloride	1.698	62	11351	2.135	ug/L	99
5) Bromomethane	1.973	94	4241	1.776	ug/L	94
6) Chloroethane	2.069	64	6107	2.287	ug/L	97
7) Trichlorofluoromethane	2.199	101	16226	2.276	ug/L	98
8) Ethyl ether	2.474	74	2823	1.911	ug/L	86
10) 1,1-Dichloroethene	2.652	96	7194	2.114	ug/L	95
11) Carbon disulfide	2.680	76	21879	2.085	ug/L	98
12) Freon-113	2.686	101	8514	2.224	ug/L	98
13) Iodomethane	2.783	142	13702	2.003	ug/L	100
14) Acrolein	2.995	56	778	1.285	ug/L	88
15) Methylene chloride	3.181	84	10510	2.166	ug/L	98
17) Acetone	3.256	43	2865	2.346	ug/L #	70
18) trans-1,2-Dichloroethene	3.325	96	10219	2.203	ug/L	98
19) Methyl acetate	3.359	43	3543	1.533	ug/L #	74
20) Methyl tert-butyl ether	3.414	73	17084	1.811	ug/L #	88
21) tert-Butyl alcohol	3.531	59	1547	7.358	ug/L #	86
22) Diisopropyl ether	3.757	45	34465	1.931	ug/L	97
23) 1,1-Dichloroethane	3.881	63	21169	2.151	ug/L	99
24) Halothane	3.943	117	7633	2.067	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N07.D
 Acq On : 21 Feb 2025 1:21 am
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 21 12:22:00 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
25) Acrylonitrile	3.970	53	2247	1.662	ug/L	#	76
26) Ethyl tert-butyl ether	4.087	59	25575	1.835	ug/L	#	66
27) Vinyl acetate	4.135	43	13182M4	1.499	ug/L		
28) cis-1,2-Dichloroethene	4.389	96	10718	2.124	ug/L		96
29) 2,2-Dichloropropane	4.471	77	14016	2.086	ug/L		98
30) Bromochloromethane	4.574	128	5588	2.262	ug/L		97
31) Cyclohexane	4.553	56	24182	2.158	ug/L		97
32) Chloroform	4.643	83	18570	2.175	ug/L		98
33) Ethyl acetate	4.780	43	5285M6	1.524	ug/L		
34) Carbon tetrachloride	4.752	117	14897	2.094	ug/L		98
35) Tetrahydrofuran	4.794	42	1919M6	1.821	ug/L		
37) 1,1,1-Trichloroethane	4.821	97	16666	2.149	ug/L		97
39) 2-Butanone	4.958	43	2966M6	1.732	ug/L		
40) 1,1-Dichloropropene	4.945	75	11957	1.943	ug/L		98
41) Benzene	5.181	78	37927	2.167	ug/L		99
42) tert-Amyl methyl ether	5.294	73	16182	1.770	ug/L		97
44) 1,2-Dichloroethane	5.393	62	14394	2.197	ug/L		97
47) Methyl cyclohexane	5.739	83	17160	2.063	ug/L		97
48) Trichloroethene	5.767	95	10969	2.195	ug/L		98
50) Dibromomethane	6.212	93	5124	2.014	ug/L		98
51) 1,2-Dichloropropane	6.303	63	10649	1.995	ug/L		99
53) 2-Chloroethyl vinyl ether	7.016	63	3473	1.529	ug/L	#	96
54) Bromodichloromethane	6.381	83	12418	1.983	ug/L		99
57) 1,4-Dioxane	6.593	88	7979	359.408	ug/L		96
58) cis-1,3-Dichloropropene	7.065	75	11644	1.841	ug/L		99
61) Toluene	7.312	92	24595	2.128	ug/L		99
62) 4-Methyl-2-pentanone	7.764	58	1747	1.481	ug/L		92
63) Tetrachloroethene	7.750	166	12130	2.186	ug/L		99
65) trans-1,3-Dichloropropene	7.820	75	9182	1.796	ug/L		98
67) Ethyl methacrylate	8.004	69	5022	1.559	ug/L		81
68) 1,1,2-Trichloroethane	7.990	83	5674	1.994	ug/L		99
69) Chlorodibromomethane	8.194	129	8503	1.841	ug/L		99
70) 1,3-Dichloropropane	8.300	76	11696	1.956	ug/L		98
71) 1,2-Dibromoethane	8.462	107	6626	1.940	ug/L		94
72) 2-Hexanone	8.787	43	2604M6	1.354	ug/L		
73) Chlorobenzene	9.097	112	28829	2.089	ug/L		94
74) Ethylbenzene	9.140	91	45810	2.060	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.189	131	9532	1.910	ug/L		96
76) p/m Xylene	9.323	106	35142	4.080	ug/L		95
77) o Xylene	9.867	106	34130	4.137	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N07.D
 Acq On : 21 Feb 2025 1:21 am
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 21 12:22:00 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.944	104	54121	4.057	ug/L	99
80)	Bromoform	9.972	173	4562	1.684	ug/L	95
82)	Isopropylbenzene	10.276	105	45702	1.955	ug/L	99
84)	Bromobenzene	10.736	156	11571	1.998	ug/L	99
85)	n-Propylbenzene	10.778	91	54467	2.016	ug/L	99
86)	1,4-Dichlorobutane	10.814	55	14593	2.000	ug/L	99
87)	1,1,2,2-Tetrachloroethane	10.892	83	7993	1.986	ug/L	99
88)	4-Ethyltoluene	10.913	105	46009	2.001	ug/L	100
89)	2-Chlorotoluene	10.955	91	34190M6	2.129	ug/L	
90)	1,3,5-Trimethylbenzene	11.012	105	41465	2.055	ug/L	100
91)	1,2,3-Trichloropropane	11.026	75	6343	1.987	ug/L	98
92)	trans-1,4-Dichloro-2-b...	11.090	53	2443	1.713	ug/L	95
93)	4-Chlorotoluene	11.146	91	34297M6	2.071	ug/L	
94)	tert-Butylbenzene	11.365	119	34709	1.971	ug/L	97
97)	1,2,4-Trimethylbenzene	11.450	105	37287	1.938	ug/L	100
98)	sec-Butylbenzene	11.556	105	50505	2.036	ug/L	99
99)	p-Isopropyltoluene	11.726	119	42669	1.938	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	23995	2.059	ug/L	99
101)	1,4-Dichlorobenzene	11.889	146	24815	2.073	ug/L	96
102)	p-Diethylbenzene	12.108	119	24280	1.878	ug/L	98
103)	n-Butylbenzene	12.165	91	36338	2.085	ug/L	96
104)	1,2-Dichlorobenzene	12.320	146	21618	2.050	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.915	119	29668	1.621	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.113	155	993	1.739	ug/L	99
107)	1,3,5-Trichlorobenzene	13.141	180	15427	1.991	ug/L	98
108)	Hexachlorobutadiene	13.714	225	5402	1.989	ug/L	99
109)	1,2,4-Trichlorobenzene	13.742	180	12289	1.903	ug/L	99
110)	Naphthalene	14.039	128	21185	1.636	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	10327	1.906	ug/L	98

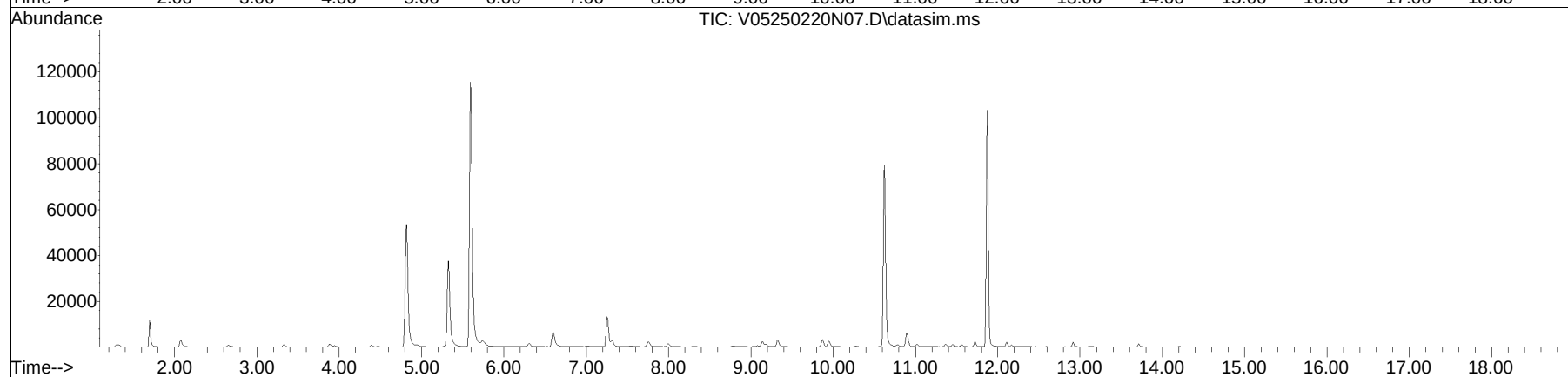
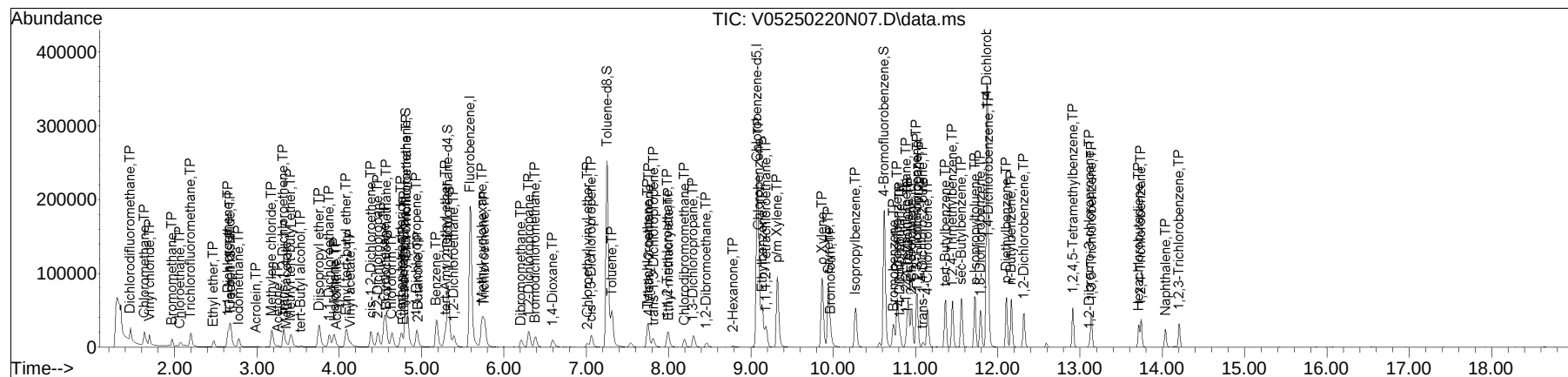
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N07.D
 Acq On : 21 Feb 2025 1:21 am
 Operator : VOA105:PID
 Sample : I8260STD2PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 21 12:22:00 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VO5250220N09.D•



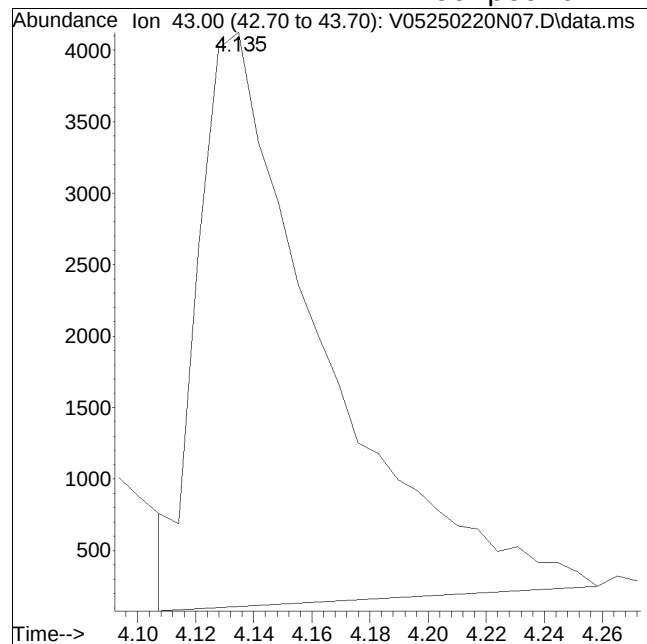
V105_250220N_8260.m Fri Feb 21 13:17:08 2025

Page: 4

Manual Integration Report

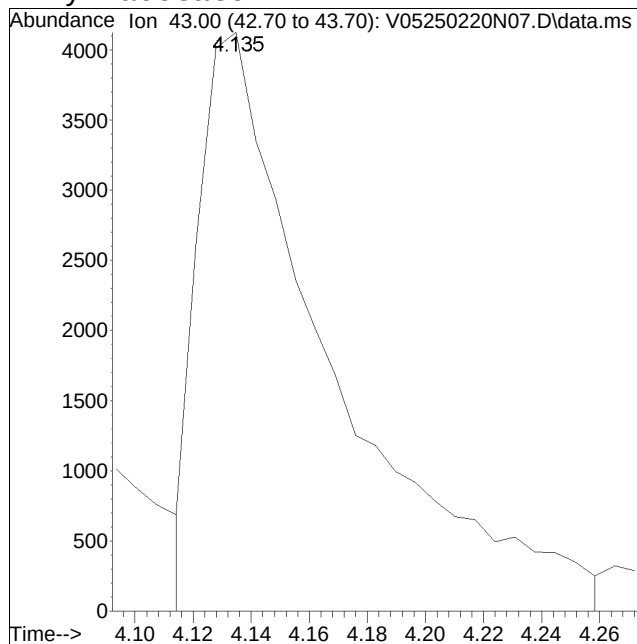
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Data File : V05250220N07.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #27: Vinyl acetate



Original Peak Response = 11979

M4 = Poor automated baseline construction.

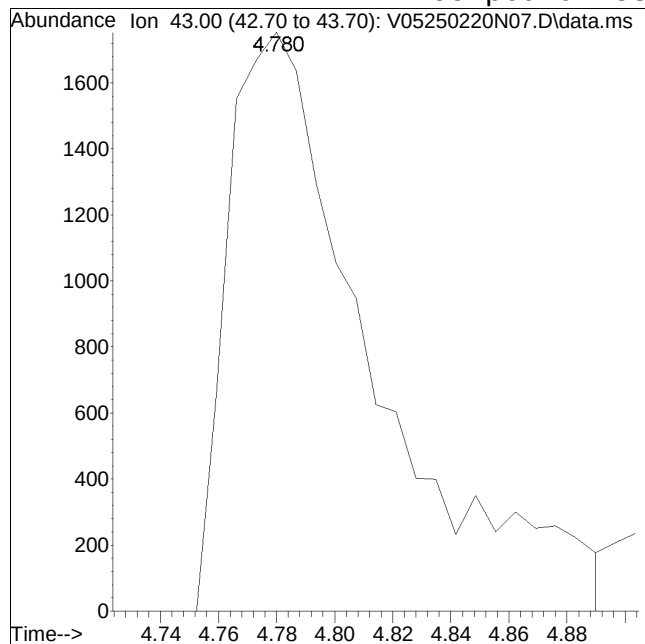


Manual Peak Response = 13182 M4

Manual Integration Report

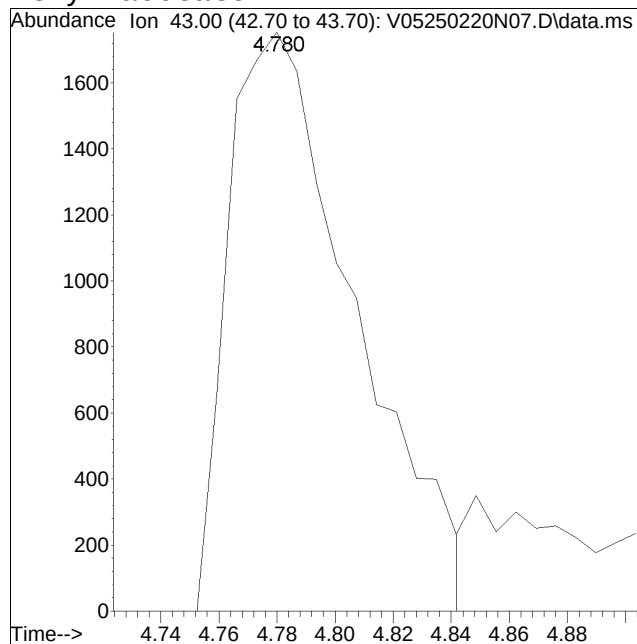
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Data File : V05250220N07.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #33: Ethyl acetate



Original Peak Response = 6025

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

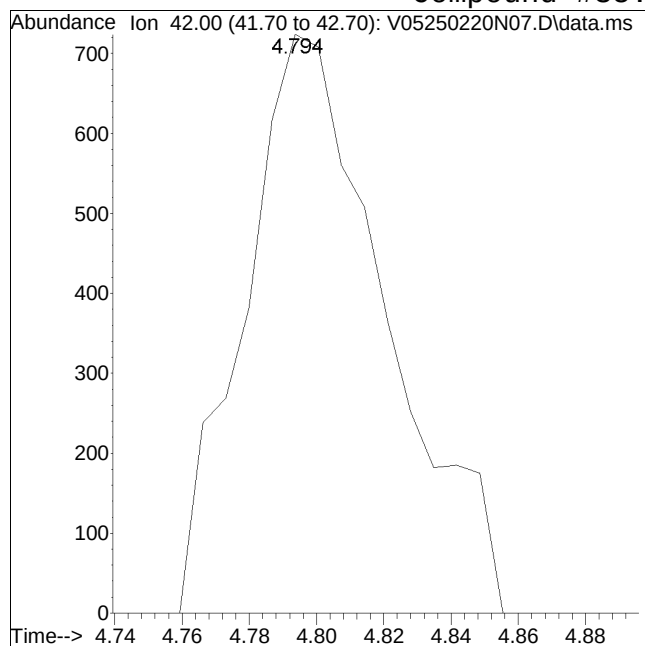


Manual Peak Response = 5285 M6

Manual Integration Report

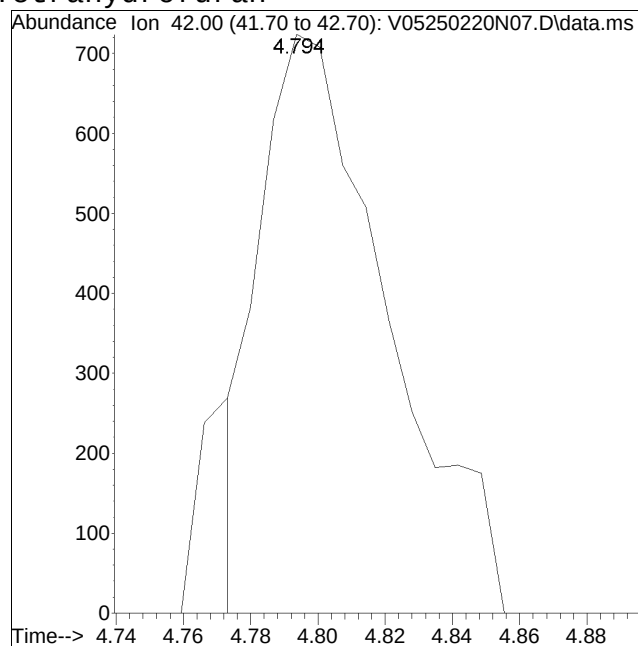
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Data File : V05250220N07.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 2127

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

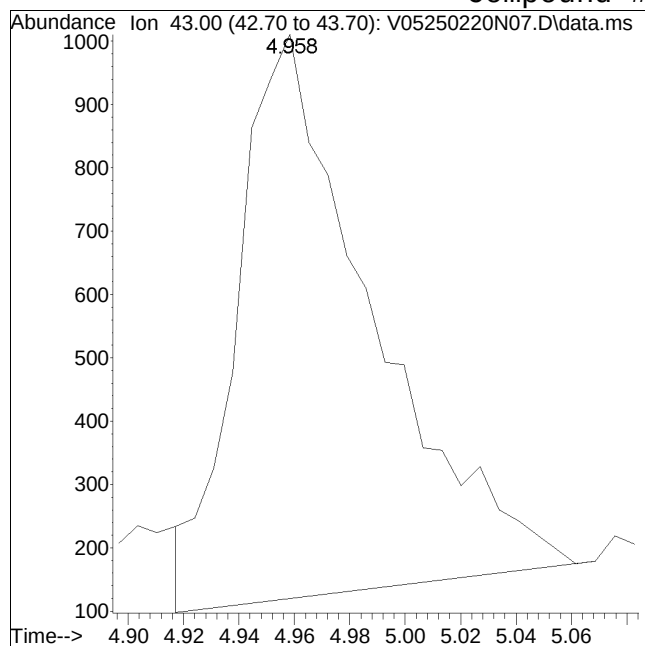


Manual Peak Response = 1919 M6

Manual Integration Report

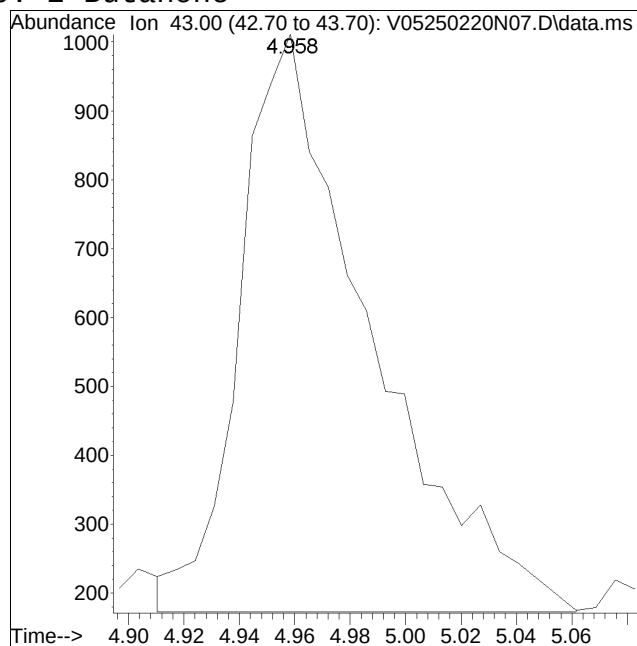
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Data File : V05250220N07.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #39: 2-Butanone



Original Peak Response = 3258

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

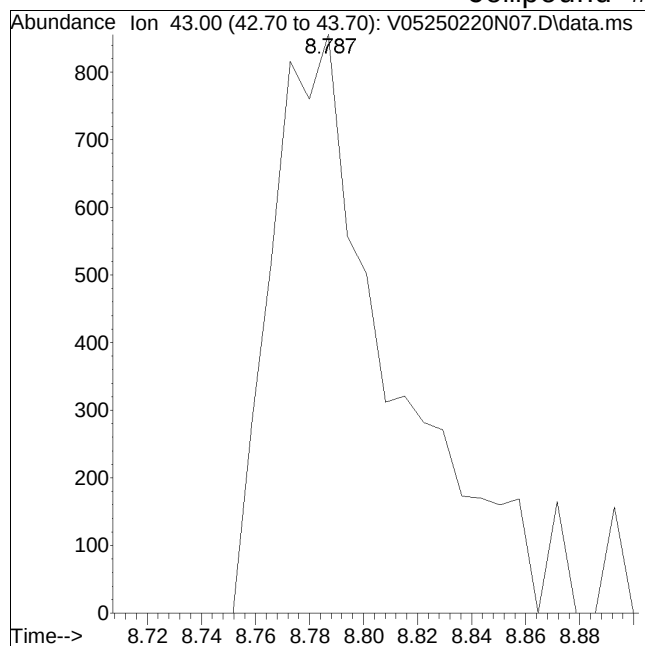


Manual Peak Response = 2966 M6

Manual Integration Report

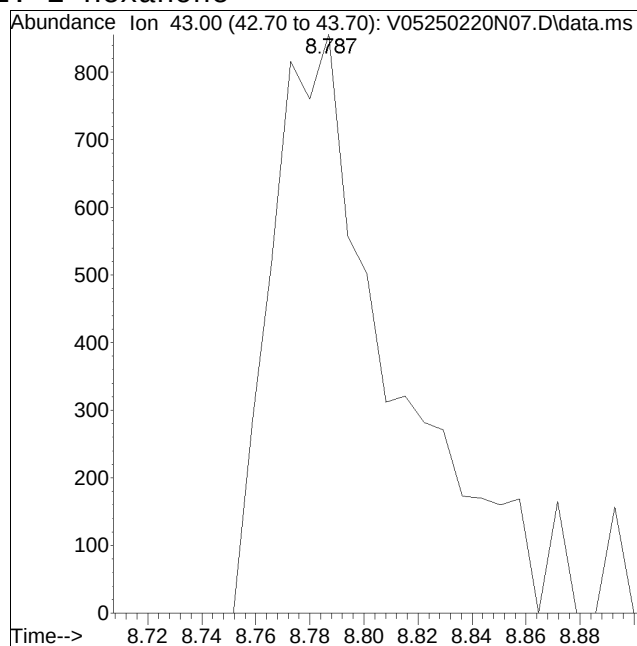
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Data File : V05250220N07.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #72: 2-Hexanone



Original Peak Response = 2674

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

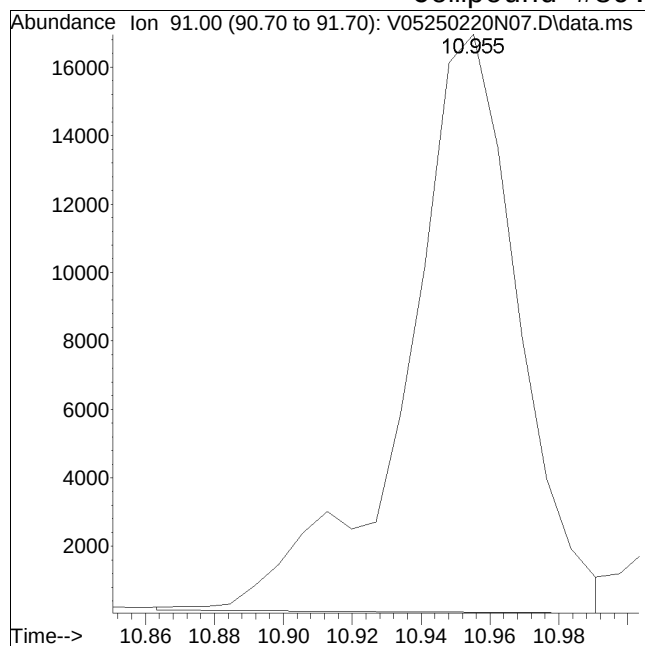


Manual Peak Response = 2604 M6

Manual Integration Report

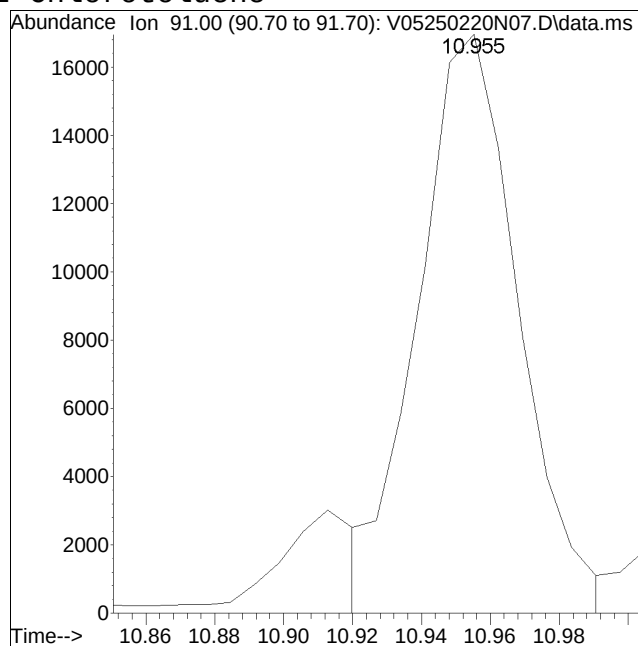
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Data File : V05250220N07.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : VOA105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 38155

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

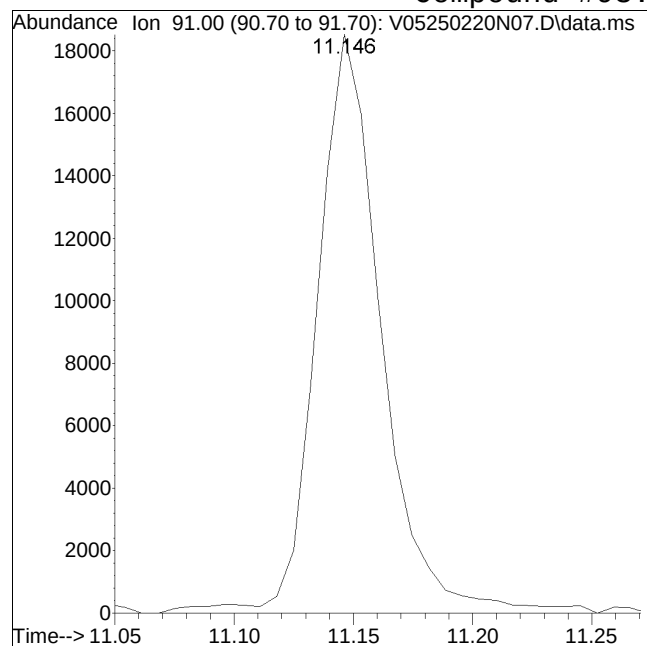


Manual Peak Response = 34190 M6

Manual Integration Report

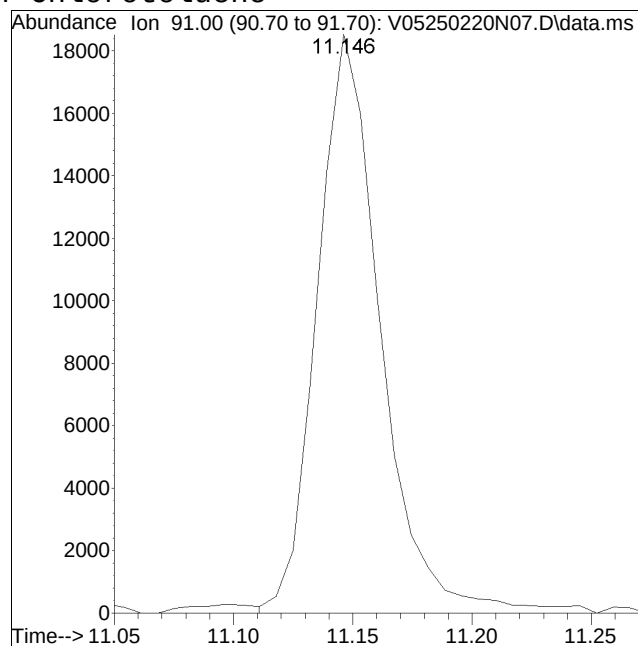
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Data File : V05250220N07.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 1:21 am Instrument : V0A105
Sample : I8260STD2PPB Quant Date : 2/21/2025 12:21 pm

Compound #93: 4-Chlorotoluene



Original Peak Response = 34866

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



Manual Peak Response = 34297 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N09.D
 Acq On : 21 Feb 2025 2:12 am
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 21 12:22:07 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	207883	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	100.00%	
59) Chlorobenzene-d5	9.076	117	162110	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	100.00%	
79) 1,4-Dichlorobenzene-d4	11.868	152	96637	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	100.00%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	59513	10.209	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.09%	
43) 1,2-Dichloroethane-d4	5.323	65	71889	10.696	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	106.96%	
60) Toluene-d8	7.249	98	213848	10.132	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.32%	
83) 4-Bromofluorobenzene	10.616	95	76295	9.875	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	98.75%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	70162	11.303	ug/L	100
3) Chloromethane	1.636	50	85790	10.725	ug/L	100
4) Vinyl chloride	1.698	62	55896	10.427	ug/L	100
5) Bromomethane	1.973	94	22415	9.307	ug/L	100
6) Chloroethane	2.069	64	29430	10.929	ug/L	100
7) Trichlorofluoromethane	2.199	101	81391	11.322	ug/L	100
8) Ethyl ether	2.474	74	16079	10.792	ug/L	100
10) 1,1-Dichloroethene	2.645	96	37732	10.995	ug/L	100
11) Carbon disulfide	2.673	76	111461	10.535	ug/L	100
12) Freon-113	2.680	101	43010	11.142	ug/L	100
13) Iodomethane	2.783	142	75159	10.897	ug/L	100
14) Acrolein	2.982	56	5916	9.691	ug/L	100
15) Methylene chloride	3.181	84	50765	10.374	ug/L	100
17) Acetone	3.243	43	10858	8.818	ug/L	100
18) trans-1,2-Dichloroethene	3.325	96	50980	10.896	ug/L	100
19) Methyl acetate	3.346	43	24065	10.323	ug/L	100
20) Methyl tert-butyl ether	3.414	73	99305	10.438	ug/L	100
21) tert-Butyl alcohol	3.531	59	10984	51.805	ug/L	100
22) Diisopropyl ether	3.750	45	190261	10.568	ug/L	100
23) 1,1-Dichloroethane	3.881	63	108083	10.892	ug/L	100
24) Halothane	3.943	117	41312	11.093	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N09.D
 Acq On : 21 Feb 2025 2:12 am
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 21 12:22:07 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.950	53	14437	10.588	ug/L	100
26) Ethyl tert-butyl ether	4.087	59	146647	10.434	ug/L	100
27) Vinyl acetate	4.114	43	85310M6	9.621	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	55853	10.976	ug/L	100
29) 2,2-Dichloropropane	4.471	77	70129	10.348	ug/L	100
30) Bromochloromethane	4.567	128	28316	11.367	ug/L	100
31) Cyclohexane	4.554	56	129286	11.442	ug/L	100
32) Chloroform	4.643	83	93363	10.844	ug/L	100
33) Ethyl acetate	4.759	43	36947	10.563	ug/L	100
34) Carbon tetrachloride	4.753	117	80319	11.193	ug/L	100
35) Tetrahydrofuran	4.794	42	11101M6	10.444	ug/L	
37) 1,1,1-Trichloroethane	4.821	97	85935	10.987	ug/L	100
39) 2-Butanone	4.938	43	19069	11.042	ug/L	100
40) 1,1-Dichloropropene	4.938	75	70205	11.314	ug/L	100
41) Benzene	5.182	78	194453	11.019	ug/L	100
42) tert-Amyl methyl ether	5.287	73	92767	10.060	ug/L	100
44) 1,2-Dichloroethane	5.393	62	72877	11.030	ug/L	100
47) Methyl cyclohexane	5.739	83	92257	10.998	ug/L	100
48) Trichloroethene	5.767	95	55686	11.048	ug/L	100
50) Dibromomethane	6.205	93	27741	10.812	ug/L	100
51) 1,2-Dichloropropane	6.303	63	56946	10.579	ug/L	100
53) 2-Chloroethyl vinyl ether	7.002	63	24398	10.649	ug/L	100
54) Bromodichloromethane	6.381	83	66728	10.566	ug/L	100
57) 1,4-Dioxane	6.593	88	11935	533.080	ug/L	100
58) cis-1,3-Dichloropropene	7.058	75	70516	11.055	ug/L	100
61) Toluene	7.312	92	127762	10.908	ug/L	100
62) 4-Methyl-2-pentanone	7.757	58	11714	9.798	ug/L	100
63) Tetrachloroethene	7.750	166	63399	11.273	ug/L	100
65) trans-1,3-Dichloropropene	7.806	75	58368	11.265	ug/L	100
67) Ethyl methacrylate	7.990	69	34915	10.694	ug/L	100
68) 1,1,2-Trichloroethane	7.990	83	31659	10.977	ug/L	100
69) Chlorodibromomethane	8.187	129	50300	10.745	ug/L	100
70) 1,3-Dichloropropane	8.300	76	65179	10.757	ug/L	100
71) 1,2-Dibromoethane	8.456	107	37213	10.750	ug/L	100
72) 2-Hexanone	8.759	43	18997	9.745	ug/L	100
73) Chlorobenzene	9.098	112	150984	10.797	ug/L	100
74) Ethylbenzene	9.133	91	247629	10.988	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.182	131	54482	10.772	ug/L	100
76) p/m Xylene	9.323	106	198853	22.783	ug/L	100
77) o Xylene	9.867	106	189035	22.607	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N09.D
 Acq On : 21 Feb 2025 2:12 am
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 21 12:22:07 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.937	104	307362	22.733	ug/L	100
80)	Bromoform	9.972	173	28228	10.292	ug/L	100
82)	Isopropylbenzene	10.269	105	259577	10.966	ug/L	100
84)	Bromobenzene	10.729	156	61624	10.510	ug/L	100
85)	n-Propylbenzene	10.779	91	295391	10.800	ug/L	100
86)	1,4-Dichlorobutane	10.807	55	77212	10.454	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.892	83	42556	10.446	ug/L	100
88)	4-Ethyltoluene	10.913	105	255063	10.959	ug/L	100
89)	2-Chlorotoluene	10.948	91	175573M6	10.802	ug/L	
90)	1,3,5-Trimethylbenzene	11.012	105	224352	10.985	ug/L	100
91)	1,2,3-Trichloropropane	11.026	75	33954	10.507	ug/L	100
92)	trans-1,4-Dichloro-2-b...	11.090	53	15218	10.538	ug/L	100
93)	4-Chlorotoluene	11.146	91	175551	10.471	ug/L	100
94)	tert-Butylbenzene	11.366	119	194144	10.893	ug/L	100
97)	1,2,4-Trimethylbenzene	11.450	105	215504	11.066	ug/L	100
98)	sec-Butylbenzene	11.557	105	275593	10.976	ug/L	100
99)	p-Isopropyltoluene	11.719	119	245589	11.018	ug/L	100
100)	1,3-Dichlorobenzene	11.790	146	126342	10.712	ug/L	100
101)	1,4-Dichlorobenzene	11.882	146	127253	10.500	ug/L	100
102)	p-Diethylbenzene	12.101	119	141163	10.788	ug/L	100
103)	n-Butylbenzene	12.165	91	191862	10.876	ug/L	100
104)	1,2-Dichlorobenzene	12.313	146	114183	10.695	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.908	119	199292	10.758	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.113	155	6327	10.945	ug/L	100
107)	1,3,5-Trichlorobenzene	13.134	180	84085	10.719	ug/L	100
108)	Hexachlorobutadiene	13.714	225	28689	10.437	ug/L	100
109)	1,2,4-Trichlorobenzene	13.742	180	69787	10.674	ug/L	100
110)	Naphthalene	14.032	128	142260	10.854	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	60267	10.989	ug/L	100

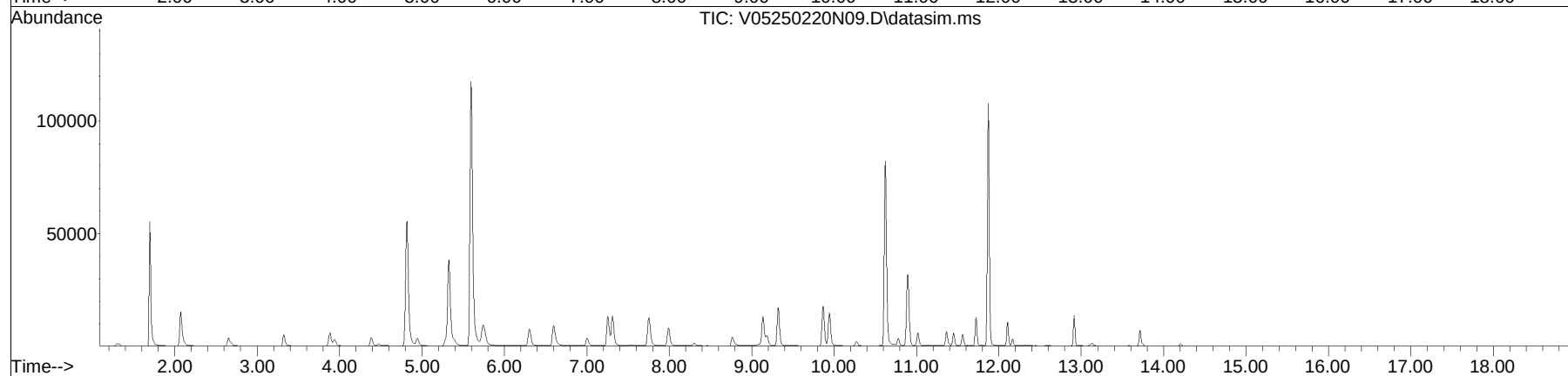
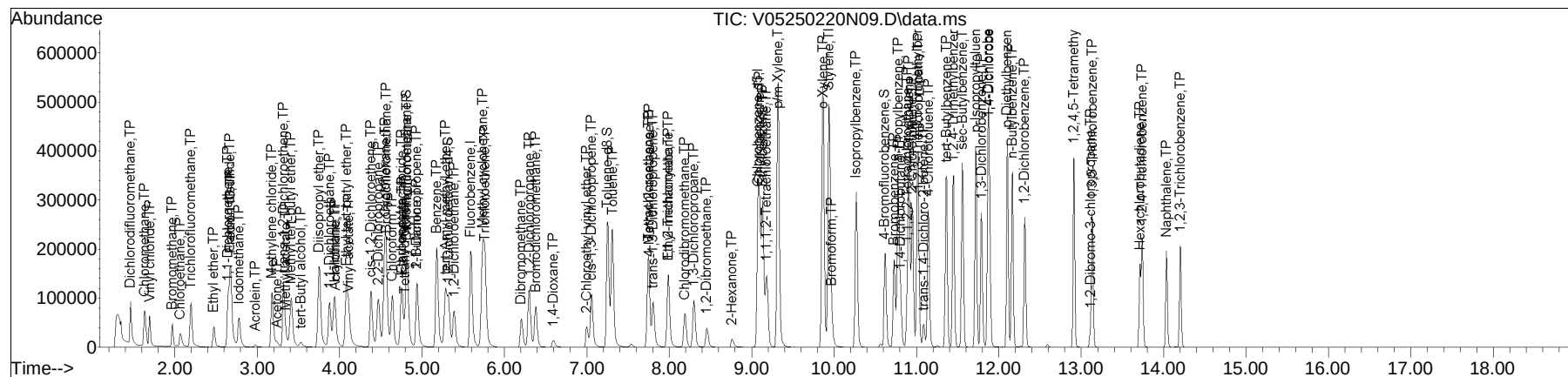
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N09.D
 Acq On : 21 Feb 2025 2:12 am
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 21 12:22:07 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

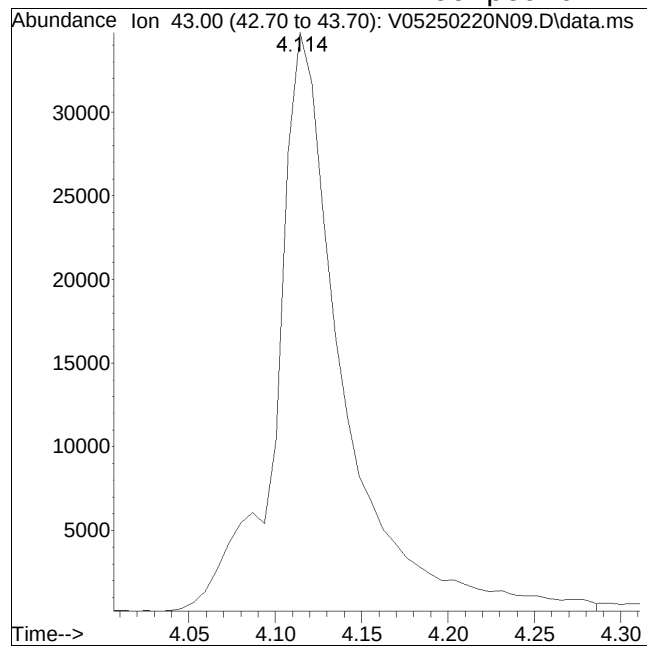
Sub List : 8260-Curve - Megamix plus Diox\VO5250220N09.D•



Manual Integration Report

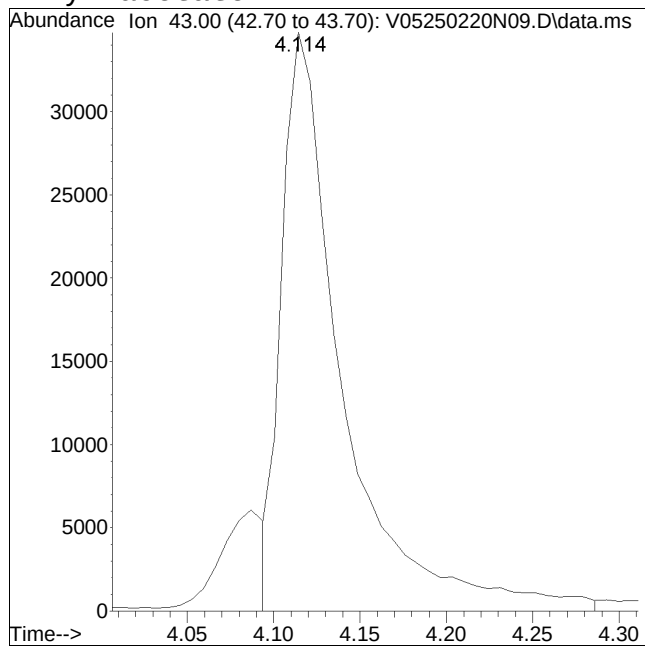
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N09.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:12 am Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 2/21/2025 12:22 pm

Compound #27: Vinyl acetate



Original Peak Response = 93264

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

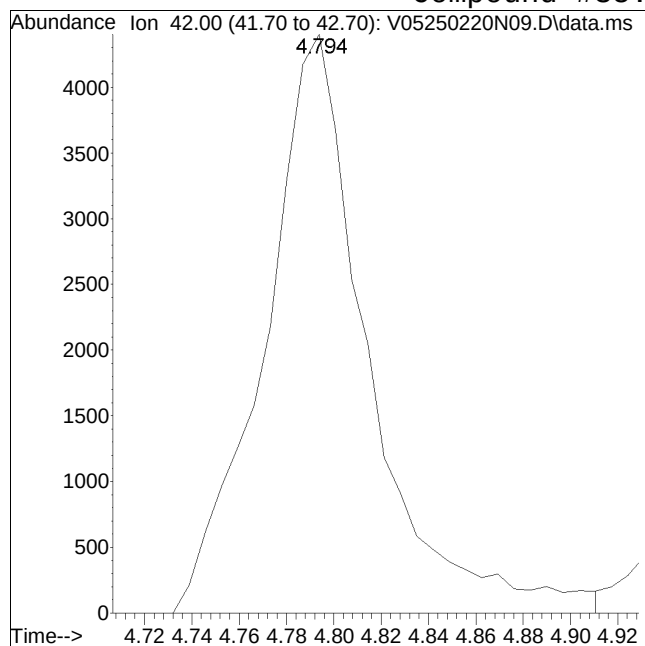


Manual Peak Response = 85310 M6

Manual Integration Report

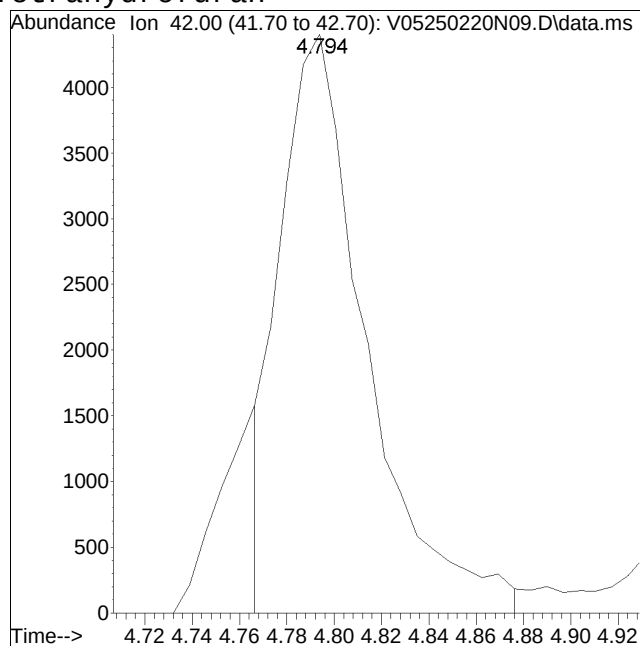
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N09.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:12 am Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 2/21/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 13372

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

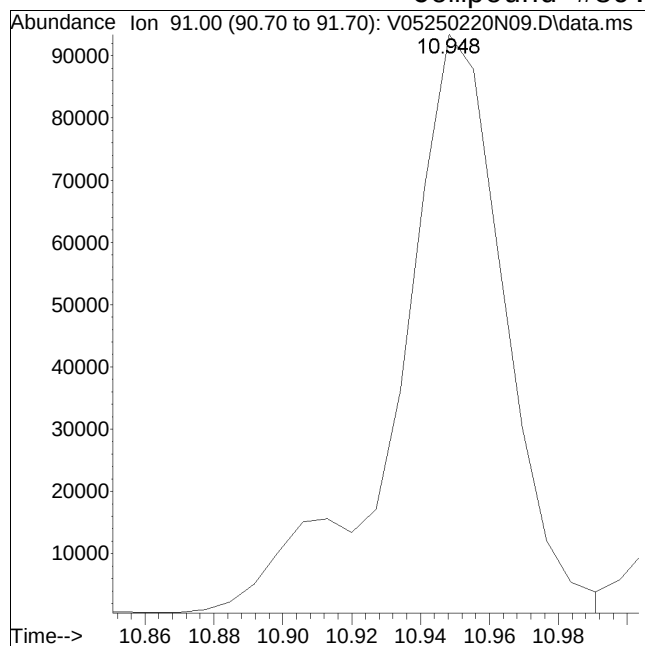


Manual Peak Response = 11101 M6

Manual Integration Report

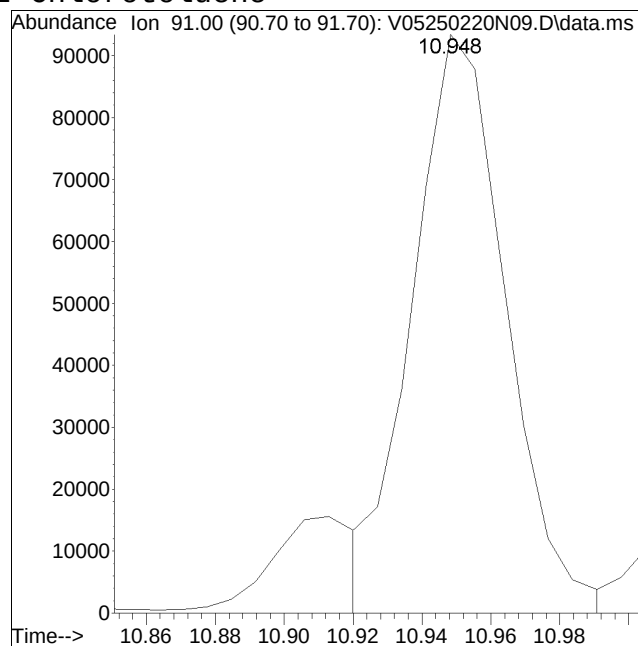
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N09.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:12 am Instrument : VOA105
Sample : I8260STD10PPB Quant Date : 2/21/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 198907

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



Manual Peak Response = 175573 M6

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N10.D
 Acq On : 21 Feb 2025 2:38 am
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 21 12:22:15 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	211714	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	101.84%	
59) Chlorobenzene-d5	9.077	117	169048	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	104.28%	
79) 1,4-Dichlorobenzene-d4	11.868	152	99050	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	102.50%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	60893	10.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.57%	
43) 1,2-Dichloroethane-d4	5.323	65	67781	9.902	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.02%	
60) Toluene-d8	7.256	98	219273	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.62%	
83) 4-Bromofluorobenzene	10.616	95	76990	9.723	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.23%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	210795	33.344	ug/L	100
3) Chloromethane	1.637	50	256052	31.431	ug/L	99
4) Vinyl chloride	1.692	62	168698	30.900	ug/L	100
5) Bromomethane	1.973	94	72423	29.526	ug/L	99
6) Chloroethane	2.069	64	89004	32.453	ug/L	99
7) Trichlorofluoromethane	2.199	101	243080	33.203	ug/L	99
8) Ethyl ether	2.474	74	47583	31.358	ug/L	99
10) 1,1-Dichloroethene	2.646	96	112488	32.185	ug/L	99
11) Carbon disulfide	2.673	76	337433	31.316	ug/L	100
12) Freon-113	2.680	101	129483	32.937	ug/L	99
13) Iodomethane	2.783	142	236506	33.669	ug/L	100
14) Acrolein	2.968	56	19438	31.265	ug/L	93
15) Methylene chloride	3.181	84	149569	30.013	ug/L	99
17) Acetone	3.236	43	28379	22.630	ug/L	96
18) trans-1,2-Dichloroethene	3.318	96	152205	31.941	ug/L	99
19) Methyl acetate	3.339	43	75985	32.005	ug/L	98
20) Methyl tert-butyl ether	3.414	73	308118	31.799	ug/L	96
21) tert-Butyl alcohol	3.531	59	32814	151.963	ug/L #	84
22) Diisopropyl ether	3.751	45	588068	32.073	ug/L	97
23) 1,1-Dichloroethane	3.881	63	318317	31.499	ug/L	99
24) Halothane	3.936	117	122607	32.326	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N10.D
 Acq On : 21 Feb 2025 2:38 am
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 21 12:22:15 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25)	Acrylonitrile	3.943	53	42394	30.529	ug/L	98
26)	Ethyl tert-butyl ether	4.087	59	457790	31.982	ug/L	98
27)	Vinyl acetate	4.108	43	281981M6	31.225	ug/L	
28)	cis-1,2-Dichloroethene	4.382	96	164435	31.729	ug/L	96
29)	2,2-Dichloropropane	4.471	77	225677	32.696	ug/L	95
30)	Bromochloromethane	4.567	128	81567	32.151	ug/L	97
31)	Cyclohexane	4.547	56	386887	33.620	ug/L	100
32)	Chloroform	4.643	83	272726	31.105	ug/L	98
33)	Ethyl acetate	4.753	43	109245	30.668	ug/L	97
34)	Carbon tetrachloride	4.753	117	244972	33.520	ug/L	99
35)	Tetrahydrofuran	4.787	42	32456M6	29.983	ug/L	
37)	1,1,1-Trichloroethane	4.821	97	259709	32.605	ug/L	98
39)	2-Butanone	4.931	43	54065	30.741	ug/L	# 89
40)	1,1-Dichloropropene	4.938	75	211689	33.498	ug/L	100
41)	Benzene	5.182	78	576227	32.063	ug/L	99
42)	tert-Amyl methyl ether	5.288	73	293279	31.230	ug/L	94
44)	1,2-Dichloroethane	5.386	62	210097	31.223	ug/L	100
47)	Methyl cyclohexane	5.739	83	283773	33.216	ug/L	99
48)	Trichloroethene	5.767	95	164121	31.971	ug/L	98
50)	Dibromomethane	6.205	93	82174	31.449	ug/L	99
51)	1,2-Dichloropropane	6.304	63	172760	31.514	ug/L	99
53)	2-Chloroethyl vinyl ether	6.995	63	80589	34.539	ug/L	98
54)	Bromodichloromethane	6.381	83	204298	31.765	ug/L	100
57)	1,4-Dioxane	6.593	88	14277	626.147	ug/L	98
58)	cis-1,3-Dichloropropene	7.059	75	222659	34.275	ug/L	98
61)	Toluene	7.306	92	379162	31.042	ug/L	100
62)	4-Methyl-2-pentanone	7.757	58	37967	30.453	ug/L	95
63)	Tetrachloroethene	7.743	166	191127	32.590	ug/L	99
65)	trans-1,3-Dichloropropene	7.800	75	189515	35.076	ug/L	97
67)	Ethyl methacrylate	7.990	69	115385	33.892	ug/L	94
68)	1,1,2-Trichloroethane	7.983	83	92627	30.799	ug/L	98
69)	Chlorodibromomethane	8.188	129	156626	32.084	ug/L	100
70)	1,3-Dichloropropane	8.300	76	195424	30.929	ug/L	99
71)	1,2-Dibromoethane	8.456	107	115400	31.967	ug/L	97
72)	2-Hexanone	8.759	43	61874	30.437	ug/L	96
73)	Chlorobenzene	9.098	112	453541	31.101	ug/L	99
74)	Ethylbenzene	9.133	91	751799	31.991	ug/L	99
75)	1,1,1,2-Tetrachloroethane	9.182	131	165356	31.352	ug/L	98
76)	p/m Xylene	9.324	106	593736	65.235	ug/L	99
77)	o Xylene	9.867	106	567936	65.134	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N10.D
 Acq On : 21 Feb 2025 2:38 am
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 21 12:22:15 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.937	104	926247	65.695	ug/L	99
80)	Bromoform	9.966	173	87465	31.113	ug/L	99
82)	Isopropylbenzene	10.269	105	787389	32.454	ug/L	99
84)	Bromobenzene	10.729	156	185715	30.902	ug/L	98
85)	n-Propylbenzene	10.779	91	894276	31.901	ug/L	100
86)	1,4-Dichlorobutane	10.807	55	224615	29.671	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.892	83	123841	29.658	ug/L	100
88)	4-Ethyltoluene	10.913	105	772915	32.400	ug/L	100
89)	2-Chlorotoluene	10.948	91	518770M6	31.139	ug/L	
90)	1,3,5-Trimethylbenzene	11.012	105	672699	32.134	ug/L	99
91)	1,2,3-Trichloropropane	11.026	75	98267M1	29.668	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.083	53	43920M4	29.673	ug/L	
93)	4-Chlorotoluene	11.139	91	533423	31.042	ug/L	99
94)	tert-Butylbenzene	11.366	119	594636	32.551	ug/L	100
97)	1,2,4-Trimethylbenzene	11.444	105	654466	32.789	ug/L	100
98)	sec-Butylbenzene	11.557	105	832778	32.359	ug/L	99
99)	p-Isopropyltoluene	11.719	119	754428	33.020	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	377876	31.258	ug/L	99
101)	1,4-Dichlorobenzene	11.882	146	380297	30.615	ug/L	100
102)	p-Diethylbenzene	12.101	119	443437	33.064	ug/L	100
103)	n-Butylbenzene	12.165	91	583842	32.289	ug/L	100
104)	1,2-Dichlorobenzene	12.314	146	340284	31.095	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.908	119	645077	33.973	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.113	155	20004	33.761	ug/L	99
107)	1,3,5-Trichlorobenzene	13.134	180	253681	31.552	ug/L	99
108)	Hexachlorobutadiene	13.714	225	88598	31.447	ug/L	99
109)	1,2,4-Trichlorobenzene	13.735	180	216267	32.271	ug/L	99
110)	Naphthalene	14.032	128	444920	33.119	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	180894	32.181	ug/L	99

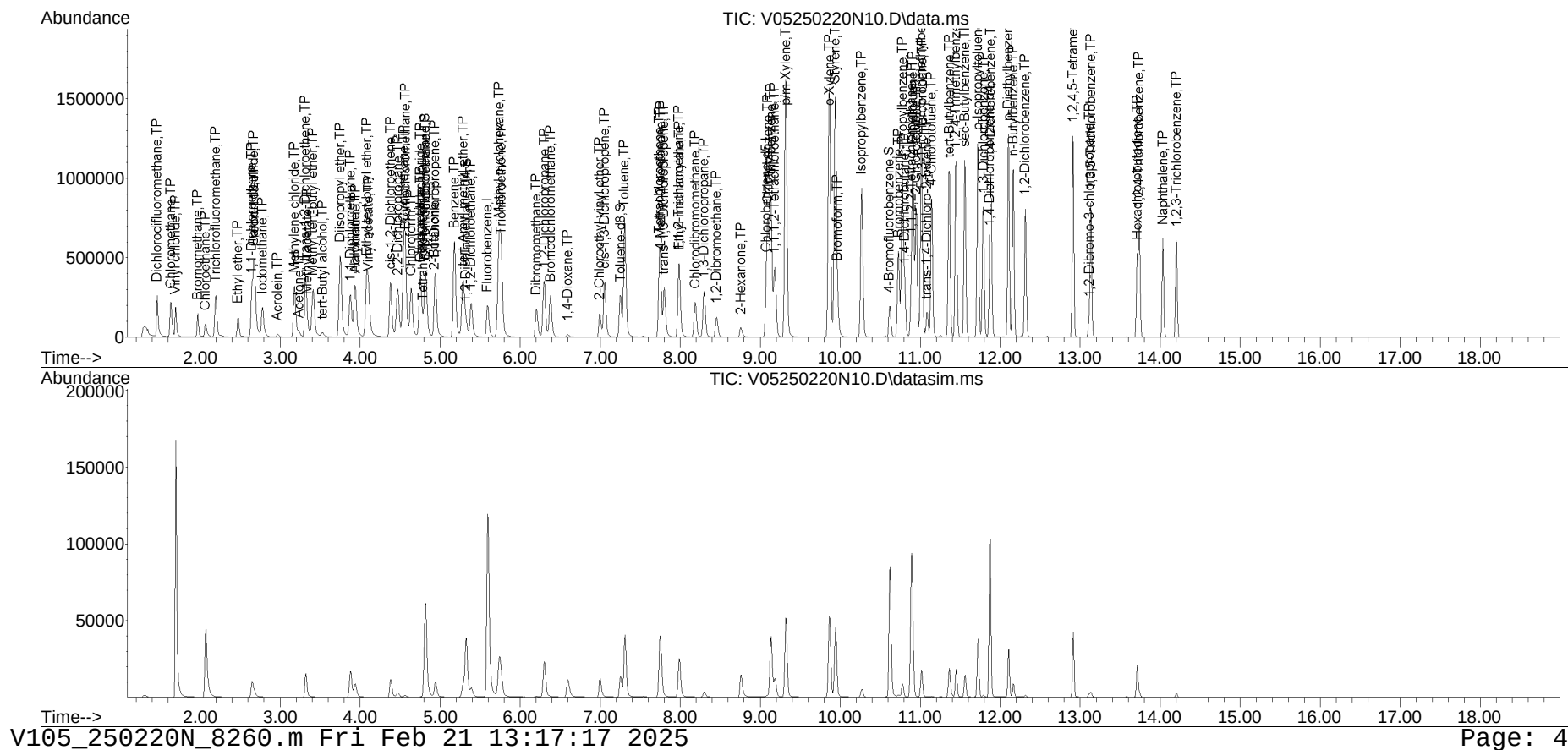
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path   : K:\VOA105\2025\250220NICAL\  
Data File  : V05250220N10.D  
Acq On     : 21 Feb 2025    2:38 am  
Operator   : VOA105:PID  
Sample     : I8260STD30PPB  
Misc       : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)  
ALS Vial   : 10    Sample Multiplier: 1
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Quant Time: Feb 21 12:22:15 2025
Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:21:17 2025
Response via : Initial Calibration

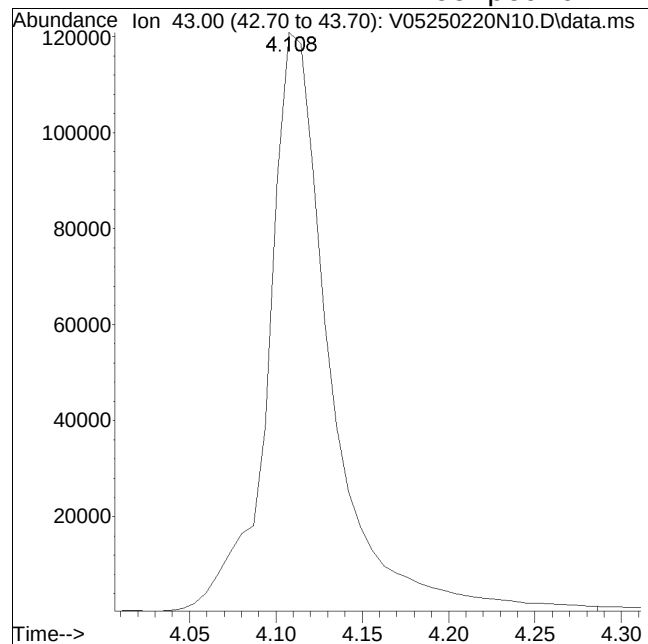
Sub List : 8260-Curve - Megamix plus Diox\V05250220N09.D•



Manual Integration Report

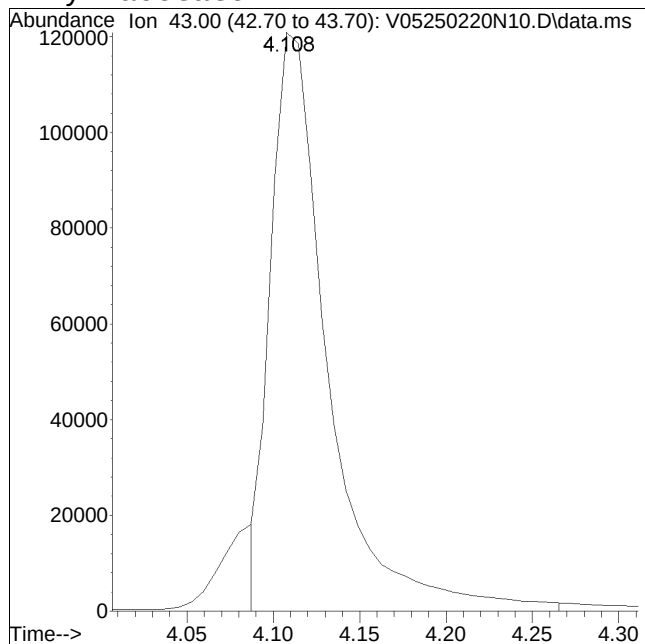
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N10.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:38 am Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 2/21/2025 12:22 pm

Compound #27: Vinyl acetate



Original Peak Response = 304194

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

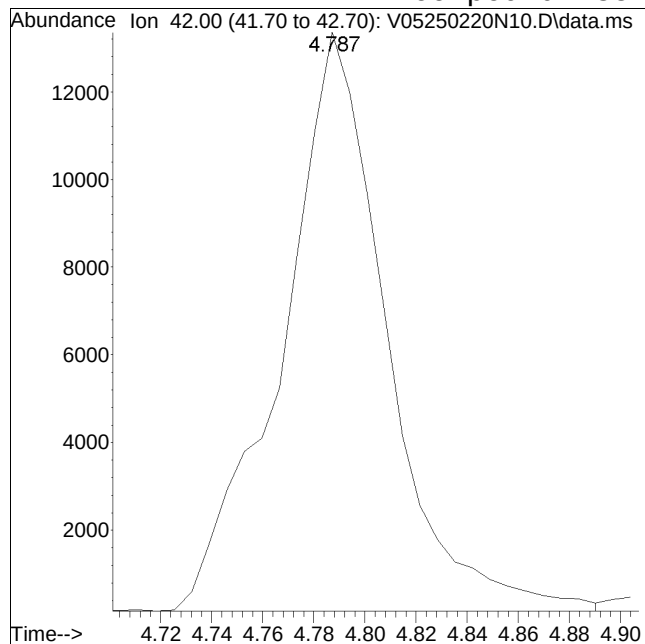


Manual Peak Response = 281981 M6

Manual Integration Report

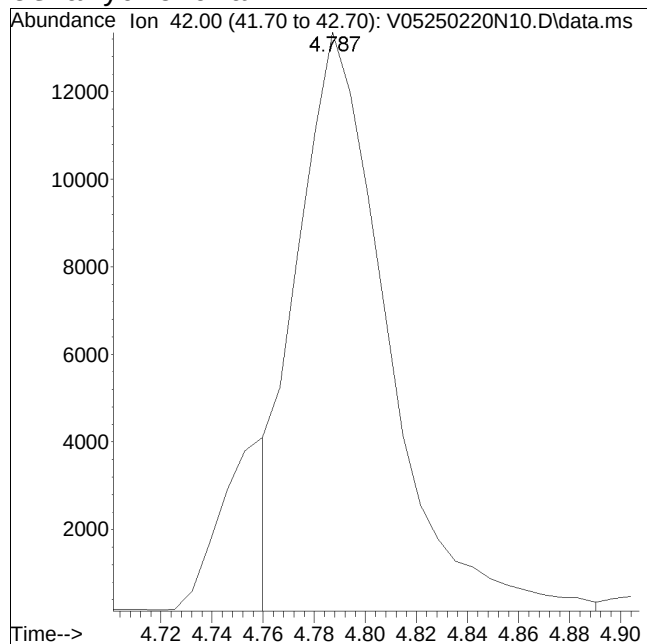
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N10.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 2:38 am Instrument : V0A105
Sample : I8260STD30PPB Quant Date : 2/21/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 37385

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

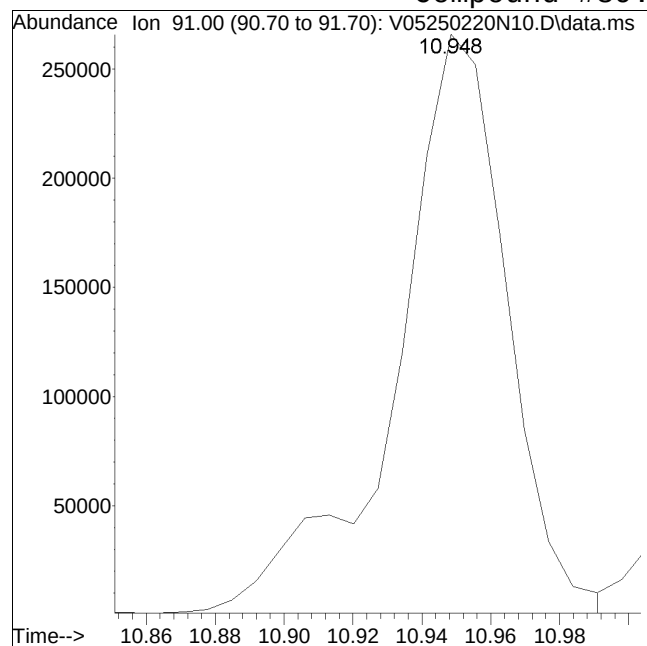


Manual Peak Response = 32456 M6

Manual Integration Report

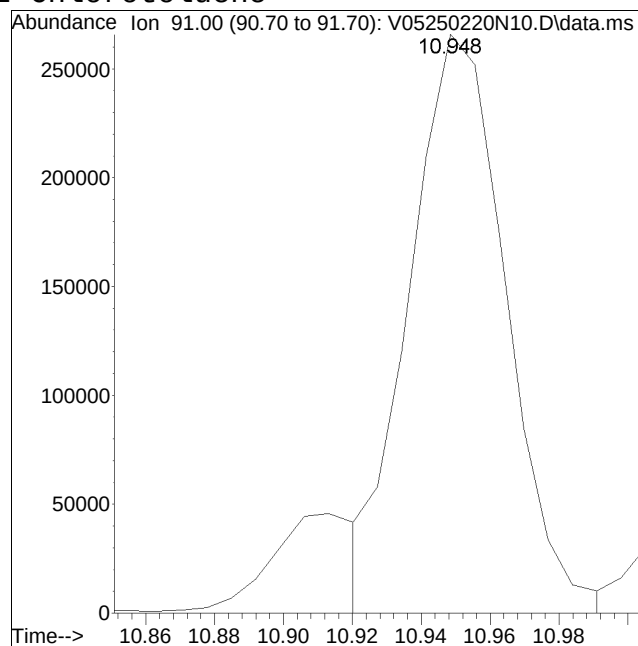
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N10.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:38 am Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 2/21/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 591941

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

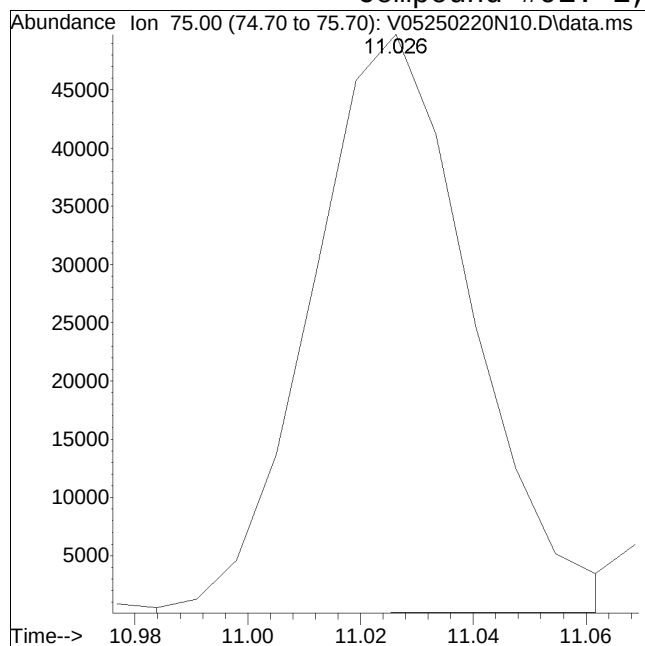


Manual Peak Response = 518770 M6

Manual Integration Report

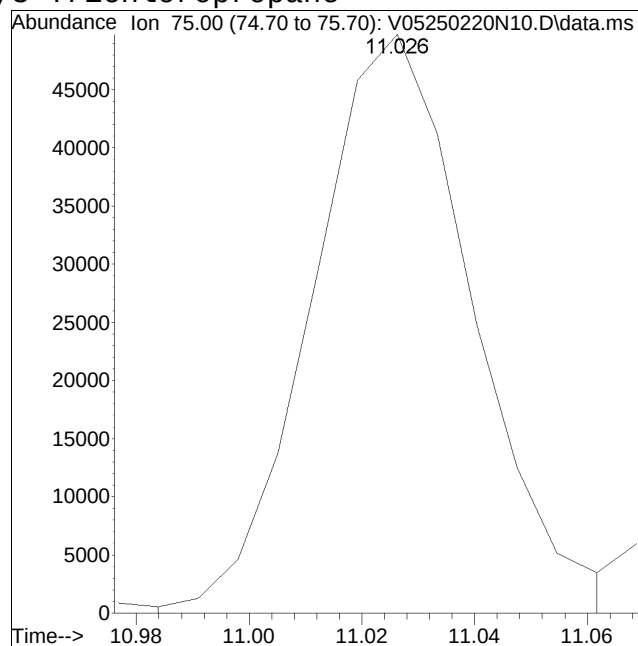
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N10.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 2:38 am Instrument : VOA105
Sample : I8260STD30PPB Quant Date : 2/21/2025 12:22 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 97815

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

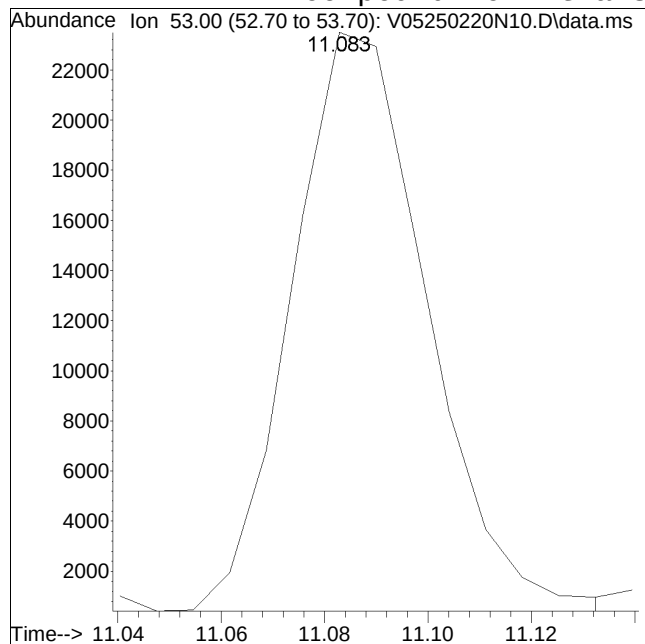


Manual Peak Response = 98267 M1

Manual Integration Report

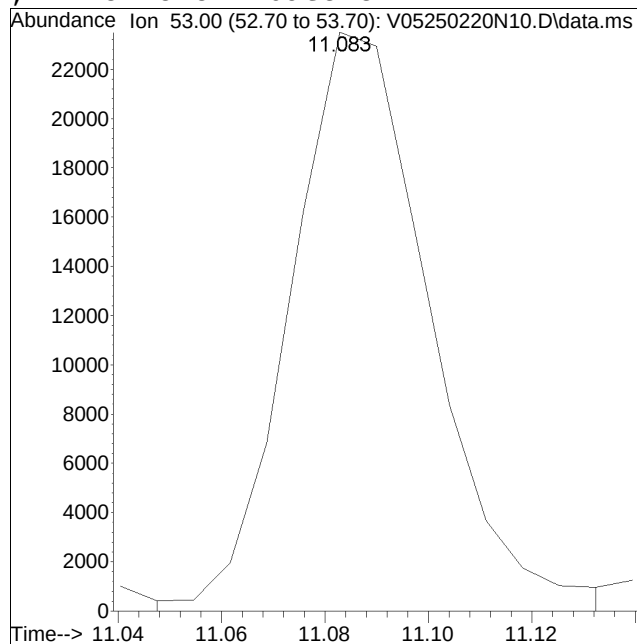
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N10.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 2:38 am Instrument : V0A105
Sample : I8260STD30PPB Quant Date : 2/21/2025 12:22 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 41802

M4 = Poor automated baseline construction.



Manual Peak Response = 43920 M4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N11.D
 Acq On : 21 Feb 2025 3:03 am
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 21 12:22:22 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.598	96	220536	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	106.09%	
59) Chlorobenzene-d5	9.076	117	177196	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	109.31%	
79) 1,4-Dichlorobenzene-d4	11.868	152	102644	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	106.22%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	61374	9.925	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.25%	
43) 1,2-Dichloroethane-d4	5.323	65	69753	9.783	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.83%	
60) Toluene-d8	7.256	98	228500	9.904	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.04%	
83) 4-Bromofluorobenzene	10.623	95	80037	9.753	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.53%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	555968	84.427	ug/L	99
3) Chloromethane	1.629	50	687552	81.024	ug/L	100
4) Vinyl chloride	1.691	62	469340	82.530	ug/L	100
5) Bromomethane	1.973	94	226146	88.510	ug/L	99
6) Chloroethane	2.062	64	241139	84.408	ug/L	98
7) Trichlorofluoromethane	2.199	101	648945	85.094	ug/L	99
8) Ethyl ether	2.474	74	132085	83.564	ug/L	97
10) 1,1-Dichloroethene	2.645	96	311505	85.561	ug/L	99
11) Carbon disulfide	2.673	76	957163	85.276	ug/L	100
12) Freon-113	2.680	101	350646	85.627	ug/L	94
13) Iodomethane	2.783	142	659070	90.073	ug/L	99
14) Acrolein	2.968	56	57052	88.093	ug/L	94
15) Methylene chloride	3.181	84	406245	78.257	ug/L	97
17) Acetone	3.236	43	74571	57.085	ug/L	96
18) trans-1,2-Dichloroethene	3.318	96	419832	84.579	ug/L	100
19) Methyl acetate	3.339	43	209929	84.886	ug/L	99
20) Methyl tert-butyl ether	3.414	73	867669	85.966	ug/L	95
21) tert-Butyl alcohol	3.531	59	92947	413.223	ug/L #	84
22) Diisopropyl ether	3.750	45	1615942	84.608	ug/L	96
23) 1,1-Dichloroethane	3.874	63	861249	81.815	ug/L	99
24) Halothane	3.936	117	331569	83.923	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N11.D
 Acq On : 21 Feb 2025 3:03 am
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 21 12:22:22 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.936	53	120110	83.033	ug/L	98
26) Ethyl tert-butyl ether	4.087	59	1292553	86.689	ug/L	97
27) Vinyl acetate	4.107	43	818573M6	87.017	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	450207	83.395	ug/L	96
29) 2,2-Dichloropropane	4.471	77	622140	86.531	ug/L	93
30) Bromochloromethane	4.567	128	213267	80.701	ug/L	96
31) Cyclohexane	4.547	56	1027653	85.730	ug/L	99
32) Chloroform	4.636	83	739866	81.007	ug/L	98
33) Ethyl acetate	4.746	43	311889	84.052	ug/L	97
34) Carbon tetrachloride	4.753	117	678342	89.105	ug/L	99
35) Tetrahydrofuran	4.787	42	88492M6	78.480	ug/L	
37) 1,1,1-Trichloroethane	4.821	97	708198	85.353	ug/L	97
39) 2-Butanone	4.931	43	147843	80.700	ug/L	90
40) 1,1-Dichloropropene	4.938	75	579363	88.011	ug/L	99
41) Benzene	5.182	78	1574696	84.116	ug/L	100
42) tert-Amyl methyl ether	5.287	73	847885	86.675	ug/L	90
44) 1,2-Dichloroethane	5.386	62	567277	80.933	ug/L	99
47) Methyl cyclohexane	5.739	83	772774	86.836	ug/L	98
48) Trichloroethene	5.767	95	444771	83.177	ug/L	99
50) Dibromomethane	6.205	93	222852	81.876	ug/L	97
51) 1,2-Dichloropropane	6.296	63	473365	82.896	ug/L	99
53) 2-Chloroethyl vinyl ether	6.995	63	237672	97.787	ug/L	99
54) Bromodichloromethane	6.381	83	564700	84.290	ug/L	100
57) 1,4-Dioxane	6.593	88	20234	851.905	ug/L	97
58) cis-1,3-Dichloropropene	7.058	75	636588	94.073	ug/L	97
61) Toluene	7.305	92	1047615	81.825	ug/L	99
62) 4-Methyl-2-pentanone	7.750	58	112651	86.201	ug/L	93
63) Tetrachloroethene	7.743	166	523646	85.184	ug/L	99
65) trans-1,3-Dichloropropene	7.799	75	545039	96.239	ug/L	98
67) Ethyl methacrylate	7.990	69	336479	94.288	ug/L	91
68) 1,1,2-Trichloroethane	7.983	83	252890	80.222	ug/L	98
69) Chlorodibromomethane	8.187	129	441429	86.266	ug/L	99
70) 1,3-Dichloropropane	8.300	76	541884	81.818	ug/L	99
71) 1,2-Dibromoethane	8.455	107	321210	84.887	ug/L	98
72) 2-Hexanone	8.752	43	184992	86.817	ug/L	# 94
73) Chlorobenzene	9.098	112	1242607	81.292	ug/L	99
74) Ethylbenzene	9.133	91	2066610	83.896	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.182	131	468622	84.765	ug/L	99
76) p/m Xylene	9.323	106	1611211	168.886	ug/L	98
77) o Xylene	9.867	106	1550930	169.689	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N11.D
 Acq On : 21 Feb 2025 3:03 am
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 21 12:22:22 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.937	104	2528412	171.083	ug/L	98
80)	Bromoform	9.972	173	251171	86.218	ug/L	98
82)	Isopropylbenzene	10.269	105	2170282	86.322	ug/L	99
84)	Bromobenzene	10.729	156	512834	82.344	ug/L	98
85)	n-Propylbenzene	10.778	91	2459786	84.674	ug/L	100
86)	1,4-Dichlorobutane	10.807	55	615519	78.460	ug/L	99
87)	1,1,2,2-Tetrachloroethane	10.892	83	342674	79.193	ug/L	99
88)	4-Ethyltoluene	10.913	105	2118097	85.681	ug/L	100
89)	2-Chlorotoluene	10.948	91	1413333M6	81.866	ug/L	
90)	1,3,5-Trimethylbenzene	11.019	105	1825643	84.156	ug/L	100
91)	1,2,3-Trichloropropane	11.026	75	269473M1	78.510	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.083	53	125003M4	81.497	ug/L	
93)	4-Chlorotoluene	11.146	91	1470813	82.594	ug/L	98
94)	tert-Butylbenzene	11.366	119	1629089	86.055	ug/L	99
97)	1,2,4-Trimethylbenzene	11.450	105	1793263	86.697	ug/L	100
98)	sec-Butylbenzene	11.557	105	2293648	86.003	ug/L	99
99)	p-Isopropyltoluene	11.719	119	2082208	87.945	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	1032666	82.432	ug/L	99
101)	1,4-Dichlorobenzene	11.882	146	1030539	80.056	ug/L	100
102)	p-Diethylbenzene	12.108	119	1223012	87.998	ug/L	99
103)	n-Butylbenzene	12.165	91	1603615	85.581	ug/L	100
104)	1,2-Dichlorobenzene	12.313	146	928187	81.848	ug/L	100
105)	1,2,4,5-Tetramethylben...	12.915	119	1807932	91.882	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.113	155	58987	96.068	ug/L	100
107)	1,3,5-Trichlorobenzene	13.134	180	704173	84.517	ug/L	99
108)	Hexachlorobutadiene	13.714	225	249951	85.611	ug/L	99
109)	1,2,4-Trichlorobenzene	13.742	180	594232	85.567	ug/L	99
110)	Naphthalene	14.032	128	1228762	88.264	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	492610	84.566	ug/L	99

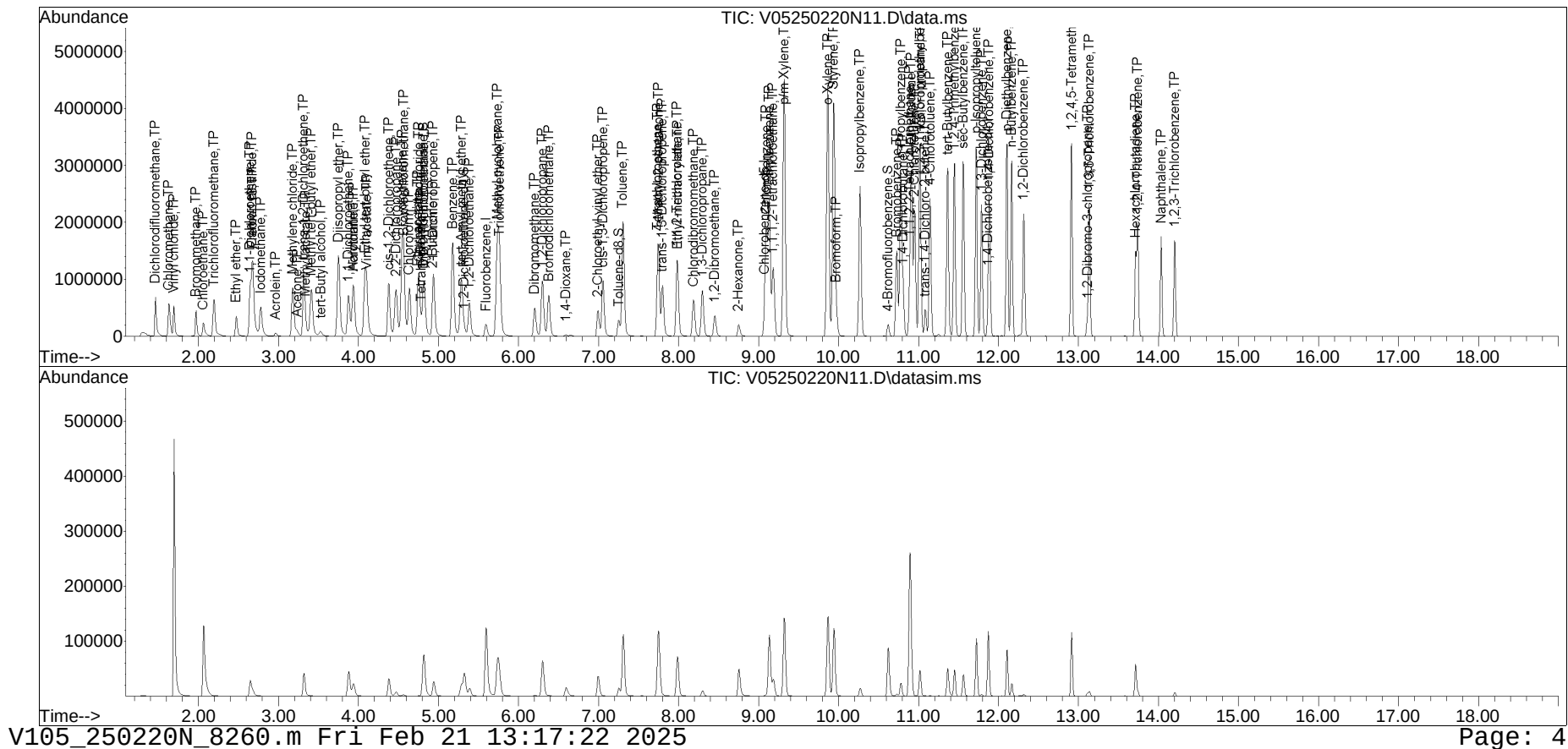
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : K:\VOA105\2025\250220NICAL\  
Data File  : V05250220N11.D  
Acq On     : 21 Feb 2025    3:03 am  
Operator   : VOA105:PID  
Sample     : I8260STD80PPB  
Misc       : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)  
ALS Vial   : 11    Sample Multiplier: 1
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Quant Time: Feb 21 12:22:22 2025
Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:21:17 2025
Response via : Initial Calibration

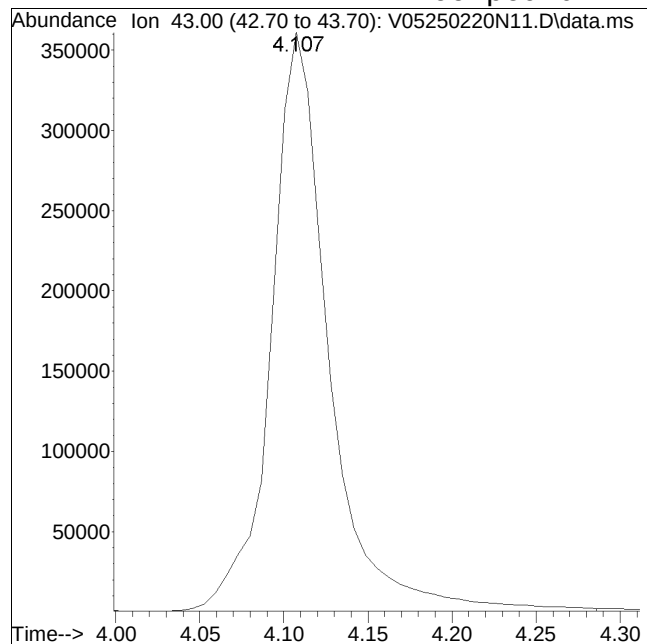
Sub List : 8260-Curve - Megamix plus Diox\V05250220N09.D•



Manual Integration Report

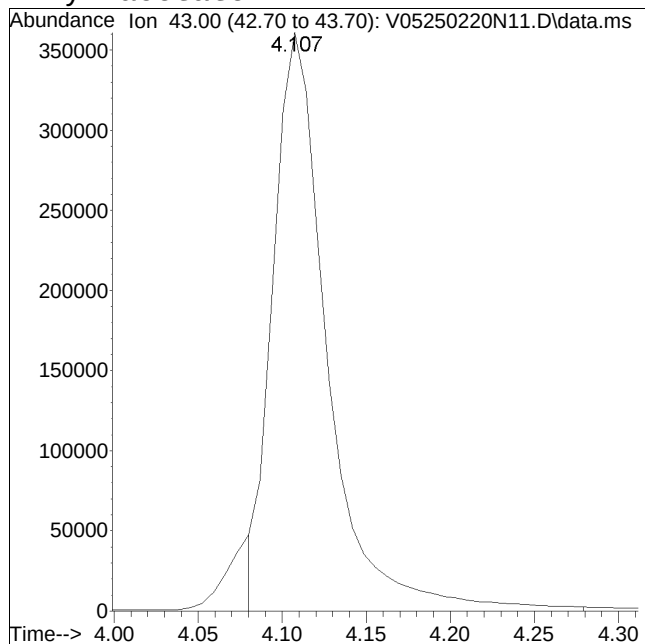
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N11.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:03 am Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 2/21/2025 12:22 pm

Compound #27: Vinyl acetate



Original Peak Response = 862951

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

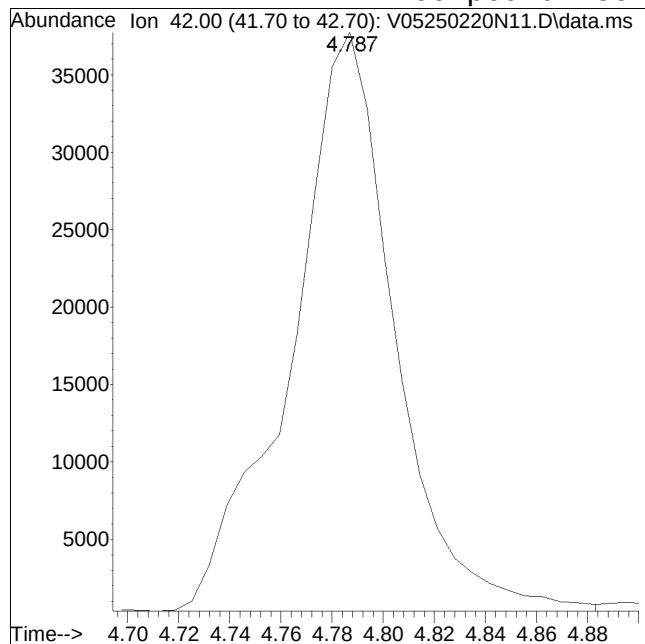


Manual Peak Response = 818573 M6

Manual Integration Report

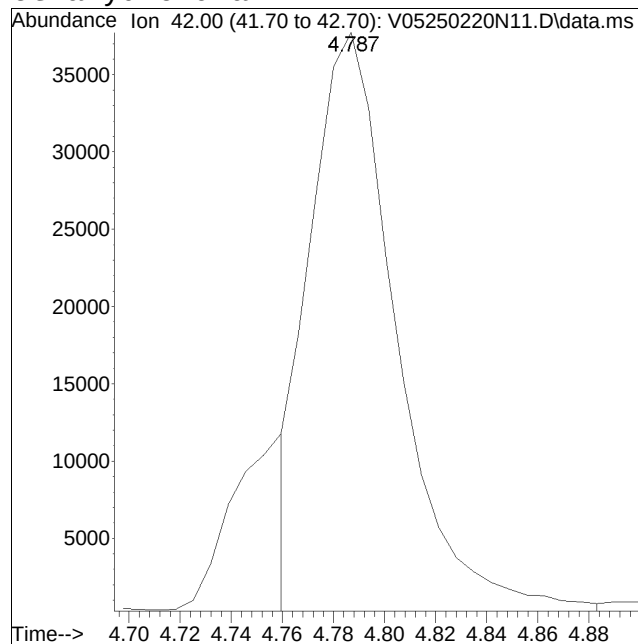
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N11.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:03 am Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 2/21/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 104833

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

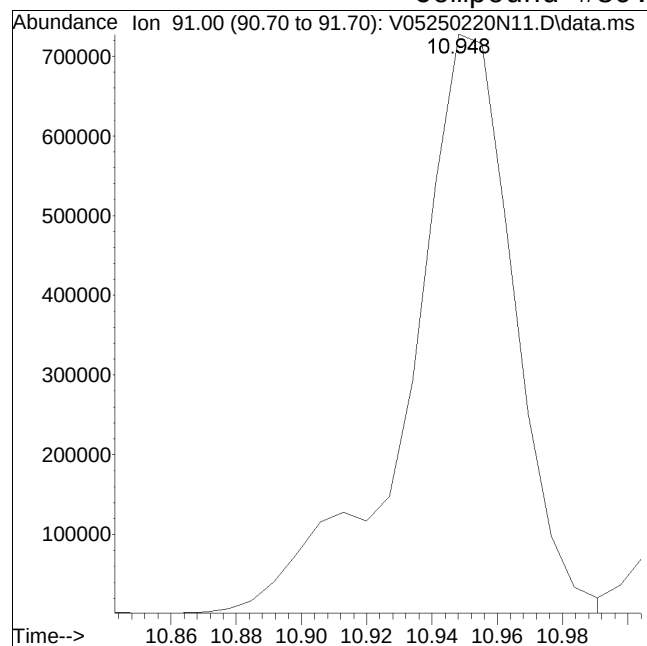


Manual Peak Response = 88492 M6

Manual Integration Report

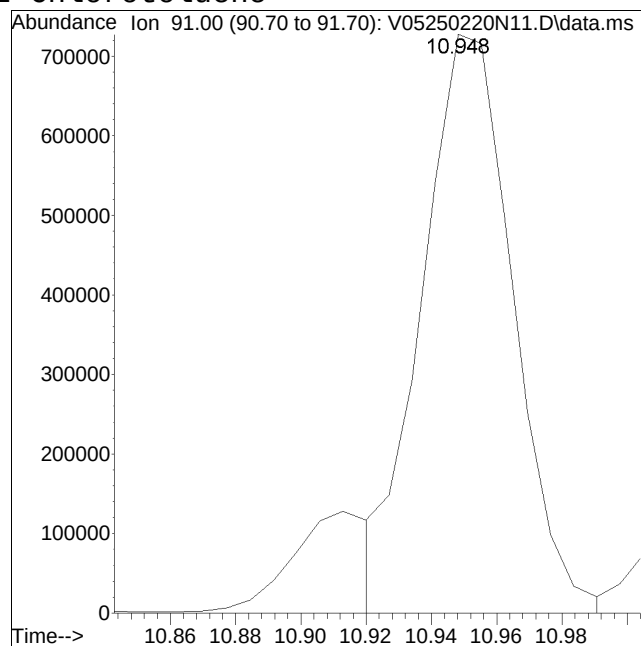
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N11.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:03 am Instrument : VOA105
Sample : I8260STD80PPB Quant Date : 2/21/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 1616321

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

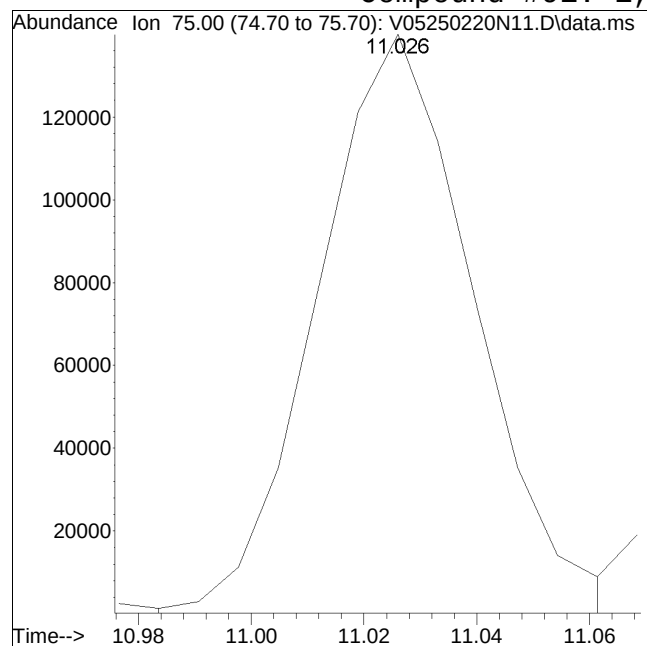


Manual Peak Response = 1413333 M6

Manual Integration Report

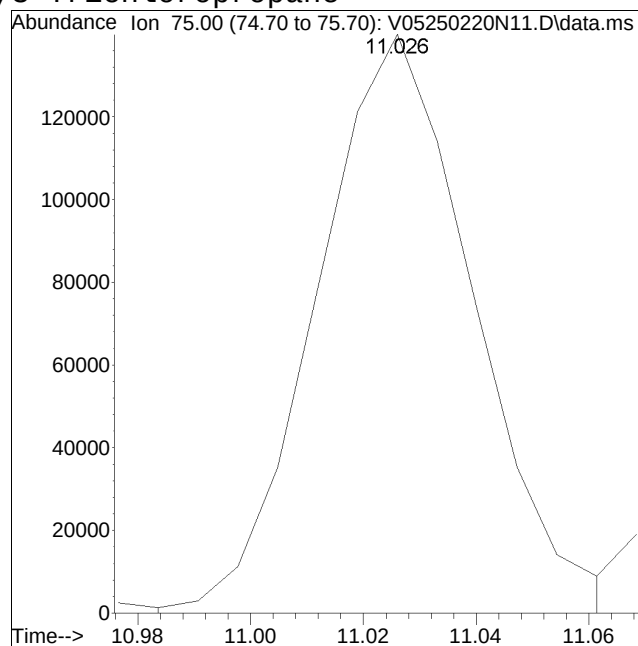
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N11.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:03 am Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 2/21/2025 12:22 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 268614

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

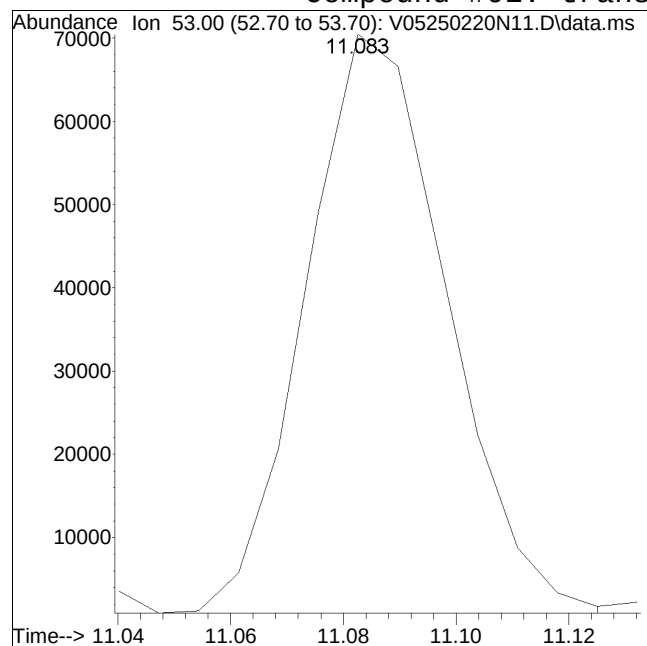


Manual Peak Response = 269473 M1

Manual Integration Report

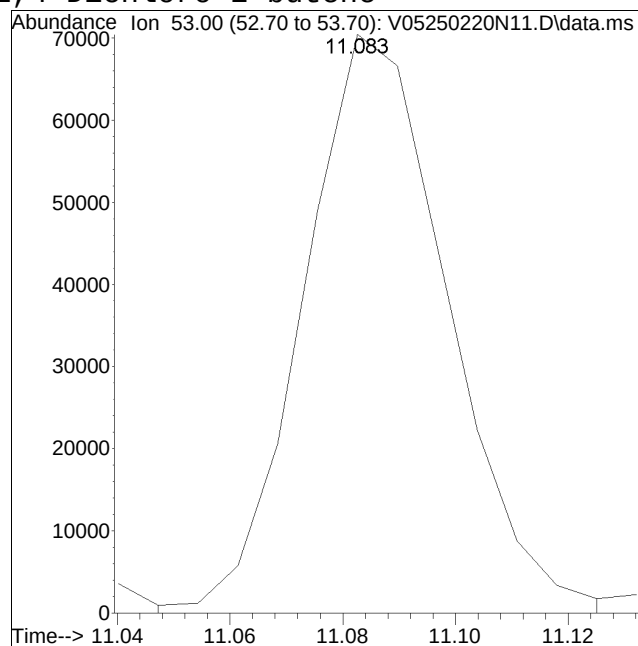
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N11.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:03 am Instrument : V0A105
Sample : I8260STD80PPB Quant Date : 2/21/2025 12:22 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 120549

M4 = Poor automated baseline construction.



Manual Peak Response = 125003 M4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N12.D
 Acq On : 21 Feb 2025 3:29 am
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 21 12:22:29 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.598	96	231161	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	111.20%	
59) Chlorobenzene-d5	9.076	117	184953	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	114.09%	
79) 1,4-Dichlorobenzene-d4	11.875	152	104293	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	107.92%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	62687	9.671	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	96.71%	
43) 1,2-Dichloroethane-d4	5.323	65	71419	9.556	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	95.56%	
60) Toluene-d8	7.256	98	239293	9.937	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.37%	
83) 4-Bromofluorobenzene	10.623	95	85085	10.205	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	102.05%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	852147	123.456	ug/L	100
3) Chloromethane	1.636	50	1043104	117.273	ug/L	100
4) Vinyl chloride	1.698	62	828741	139.029	ug/L	100
5) Bromomethane	1.973	94	378771	141.432	ug/L	99
6) Chloroethane	2.062	64	364594	121.757	ug/L	98
7) Trichlorofluoromethane	2.199	101	971951	121.591	ug/L	99
8) Ethyl ether	2.474	74	209635	126.531	ug/L	97
10) 1,1-Dichloroethene	2.652	96	483412	126.676	ug/L	97
11) Carbon disulfide	2.680	76	1499288	127.436	ug/L	100
12) Freon-113	2.680	101	540226	125.859	ug/L	92
13) Iodomethane	2.783	142	903056	117.745	ug/L	100
14) Acrolein	2.968	56	92944	136.917	ug/L	94
15) Methylene chloride	3.181	84	634331	116.578	ug/L	96
17) Acetone	3.236	43	120319	87.872	ug/L	97
18) trans-1,2-Dichloroethene	3.318	96	648280	124.600	ug/L	99
19) Methyl acetate	3.339	43	337917	130.359	ug/L	97
20) Methyl tert-butyl ether	3.414	73	1382973	130.722	ug/L	94
21) tert-Butyl alcohol	3.531	59	156669	664.504	ug/L #	82
22) Diisopropyl ether	3.751	45	2510460	125.401	ug/L	96
23) 1,1-Dichloroethane	3.881	63	1325841	120.159	ug/L	99
24) Halothane	3.936	117	513035	123.885	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N12.D
 Acq On : 21 Feb 2025 3:29 am
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 21 12:22:29 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.936	53	193123	127.371	ug/L	97
26) Ethyl tert-butyl ether	4.087	59	2034420	130.173	ug/L	96
27) Vinyl acetate	4.107	43	1312425M6	133.103	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	696870	123.152	ug/L	96
29) 2,2-Dichloropropane	4.471	77	965610	128.130	ug/L	92
30) Bromochloromethane	4.567	128	321229	115.967	ug/L	95
31) Cyclohexane	4.554	56	1579732	125.729	ug/L	99
32) Chloroform	4.643	83	1134113	118.466	ug/L	98
33) Ethyl acetate	4.746	43	508514	130.743	ug/L	98
34) Carbon tetrachloride	4.753	117	1038907	130.196	ug/L	100
35) Tetrahydrofuran	4.787	42	151632M6	128.295	ug/L	
37) 1,1,1-Trichloroethane	4.821	97	1083792	124.617	ug/L	97
39) 2-Butanone	4.931	43	237853	123.865	ug/L	90
40) 1,1-Dichloropropene	4.938	75	901503	130.653	ug/L	100
41) Benzene	5.182	78	2449919	124.852	ug/L	99
42) tert-Amyl methyl ether	5.287	73	1369470	133.560	ug/L	88
44) 1,2-Dichloroethane	5.386	62	871514	118.623	ug/L	99
47) Methyl cyclohexane	5.739	83	1217065	130.475	ug/L	96
48) Trichloroethene	5.767	95	681301	121.554	ug/L	99
50) Dibromomethane	6.205	93	354748	124.344	ug/L	98
51) 1,2-Dichloropropane	6.303	63	741289	123.848	ug/L	99
53) 2-Chloroethyl vinyl ether	6.995	63	383449	150.513	ug/L	98
54) Bromodichloromethane	6.381	83	886530	126.246	ug/L	100
57) 1,4-Dioxane	6.600	88	32874	1320.464	ug/L	98
58) cis-1,3-Dichloropropene	7.058	75	1010637	142.484	ug/L	97
61) Toluene	7.305	92	1622864	121.439	ug/L	100
62) 4-Methyl-2-pentanone	7.750	58	183043	134.191	ug/L	91
63) Tetrachloroethene	7.743	166	809441	126.153	ug/L	98
65) trans-1,3-Dichloropropene	7.799	75	865822	146.469	ug/L	98
67) Ethyl methacrylate	7.990	69	539739	144.902	ug/L	89
68) 1,1,2-Trichloroethane	7.983	83	398963	121.251	ug/L	98
69) Chlorodibromomethane	8.187	129	696089	130.328	ug/L	99
70) 1,3-Dichloropropane	8.300	76	853753	123.500	ug/L	100
71) 1,2-Dibromoethane	8.456	107	512568	129.777	ug/L	98
72) 2-Hexanone	8.752	43	304564	136.938	ug/L	# 93
73) Chlorobenzene	9.098	112	1919768	120.325	ug/L	99
74) Ethylbenzene	9.133	91	3187226	123.962	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.182	131	727479	126.069	ug/L	99
76) p/m Xylene	9.323	106	2458830	246.923	ug/L	97
77) o Xylene	9.867	106	2378665	249.338	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N12.D
 Acq On : 21 Feb 2025 3:29 am
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 21 12:22:29 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.944	104	3871265	250.960	ug/L	98
80)	Bromoform	9.973	173	426865	144.211	ug/L	96
82)	Isopropylbenzene	10.269	105	3325675	130.185	ug/L	99
84)	Bromobenzene	10.729	156	795668	125.738	ug/L	98
85)	n-Propylbenzene	10.779	91	3765883	127.584	ug/L	100
86)	1,4-Dichlorobutane	10.807	55	958538	120.253	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.892	83	538085	122.387	ug/L	99
88)	4-Ethyltoluene	10.913	105	3214644	127.983	ug/L	100
89)	2-Chlorotoluene	10.955	91	2172979M6	123.877	ug/L	
90)	1,3,5-Trimethylbenzene	11.019	105	2765481	125.464	ug/L	100
91)	1,2,3-Trichloropropane	11.026	75	421458M1	120.848	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.090	53	197875	126.967	ug/L #	77
93)	4-Chlorotoluene	11.146	91	2250091	124.357	ug/L	98
94)	tert-Butylbenzene	11.366	119	2503004	130.129	ug/L	99
97)	1,2,4-Trimethylbenzene	11.451	105	2727163	129.763	ug/L	99
98)	sec-Butylbenzene	11.564	105	3486493	128.663	ug/L	99
99)	p-Isopropyltoluene	11.726	119	3164077	131.526	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	1577696	123.948	ug/L	99
101)	1,4-Dichlorobenzene	11.889	146	1573209	120.281	ug/L	99
102)	p-Diethylbenzene	12.108	119	1870778	132.477	ug/L	100
103)	n-Butylbenzene	12.165	91	2455574	128.977	ug/L	100
104)	1,2-Dichlorobenzene	12.321	146	1422794	123.478	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.915	119	2774658	138.783	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.113	155	93020	149.100	ug/L	98
107)	1,3,5-Trichlorobenzene	13.134	180	1077970	127.335	ug/L	99
108)	Hexachlorobutadiene	13.714	225	389704	131.368	ug/L	99
109)	1,2,4-Trichlorobenzene	13.742	180	920632	130.470	ug/L	99
110)	Naphthalene	14.032	128	1936667	136.914	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	763581	129.011	ug/L	98

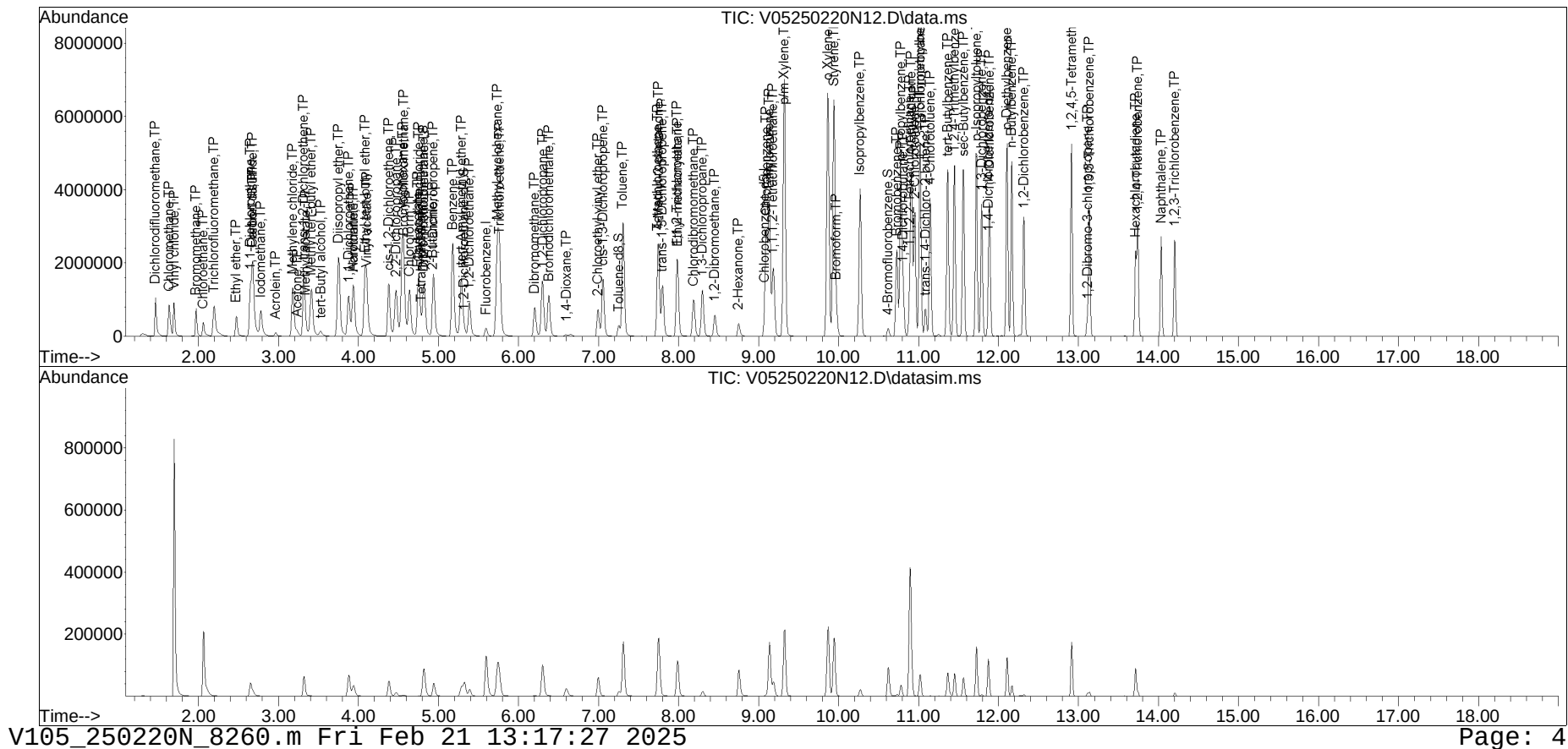
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : K:\VOA105\2025\250220NICAL\  
Data File  : V05250220N12.D  
Acq On     : 21 Feb 2025    3:29 am  
Operator   : VOA105:PID  
Sample     : I8260STD120PPB  
Misc       : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)  
ALS Vial   : 12    Sample Multiplier: 1
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Quant Time: Feb 21 12:22:29 2025
Quant Method : K:\V0A105\2025\250220NICAL\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:21:17 2025
Response via : Initial Calibration

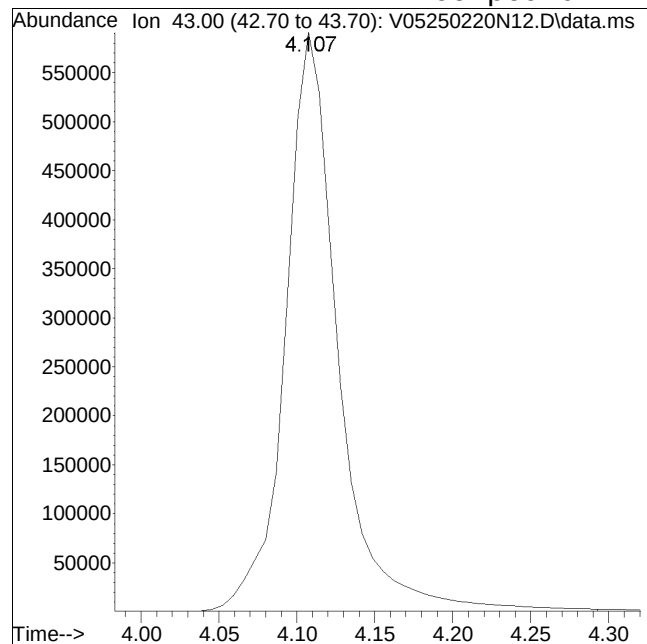
Sub List : 8260-Curve - Megamix plus Diox\V05250220N09.D•



Manual Integration Report

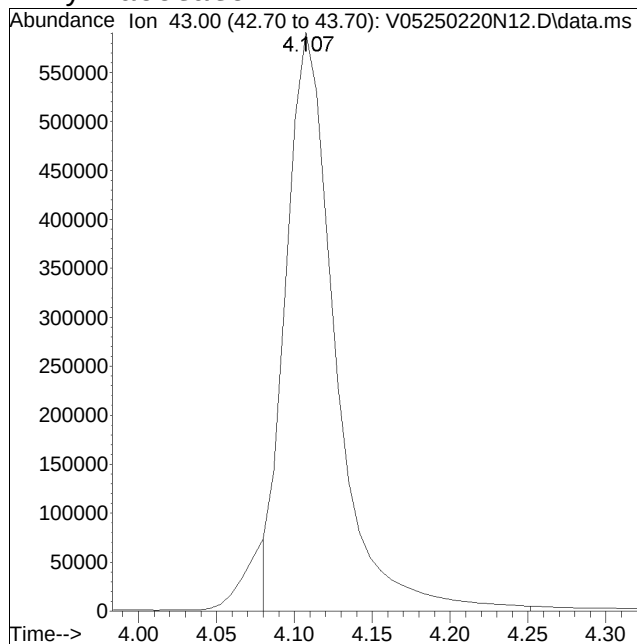
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Data File : V05250220N12.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:29 am Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 2/21/2025 12:22 pm

Compound #27: Vinyl acetate



Original Peak Response = 1384764

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

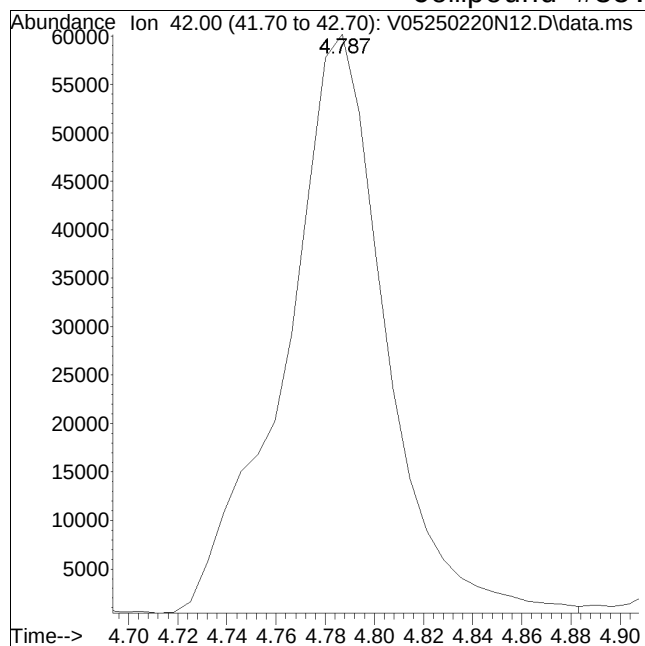


Manual Peak Response = 1312425 M6

Manual Integration Report

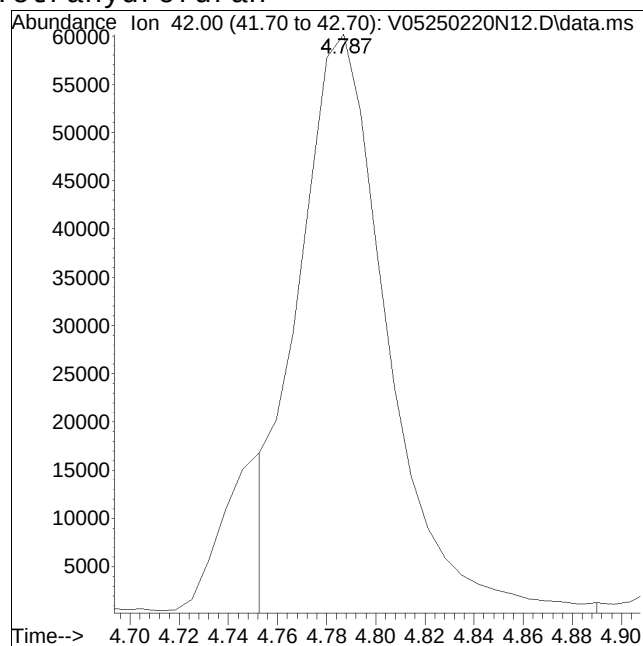
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N12.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:29 am Instrument : V0A105
Sample : I8260STD120PPB Quant Date : 2/21/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 169037

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

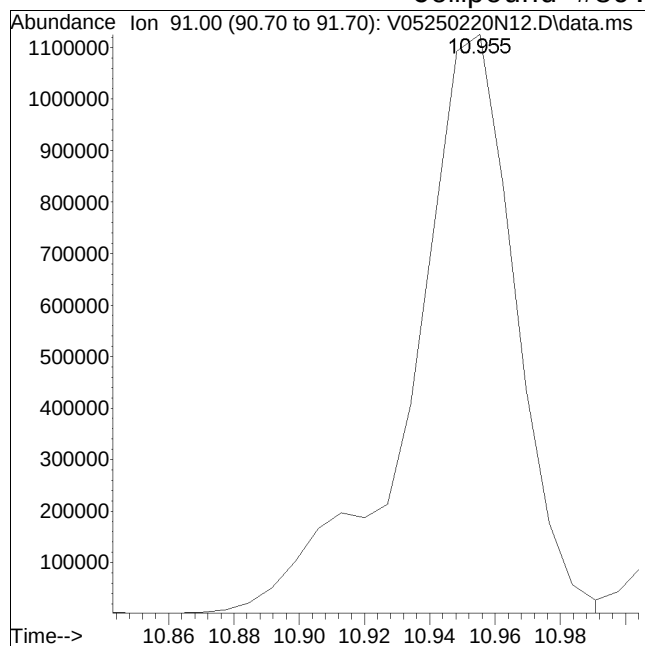


Manual Peak Response = 151632 M6

Manual Integration Report

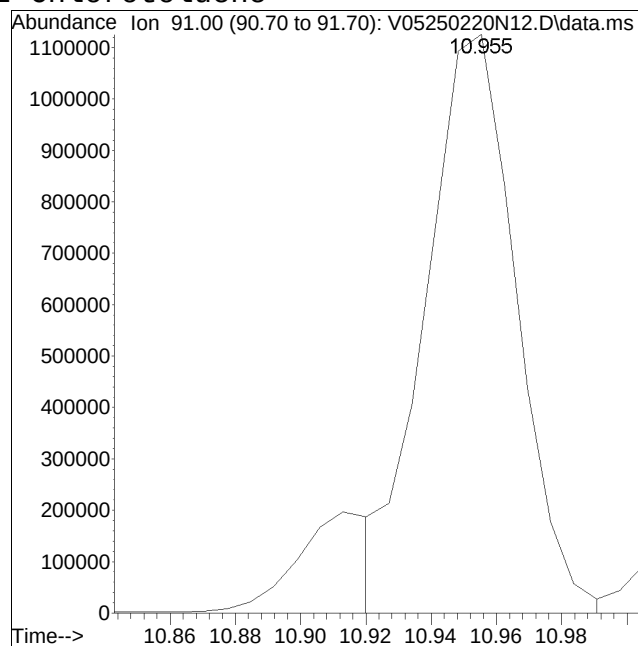
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Data File : V05250220N12.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:29 am Instrument : VOA105
Sample : I8260STD120PPB Quant Date : 2/21/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 2471082

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

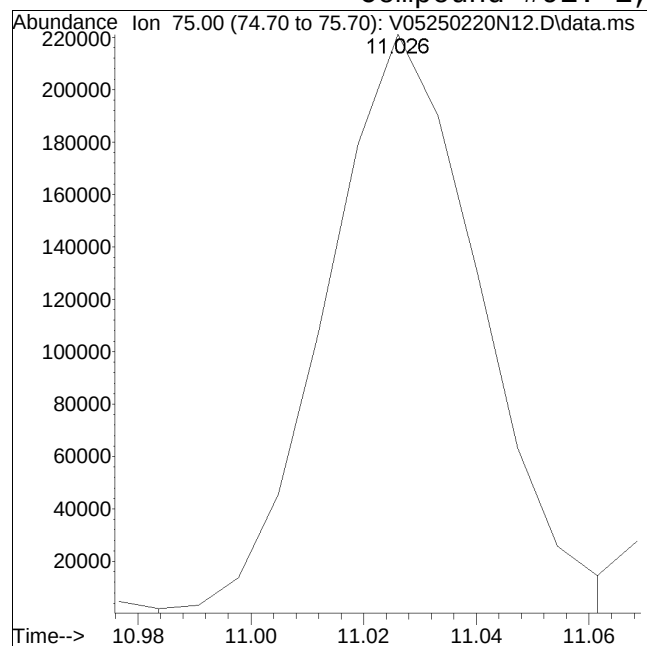


Manual Peak Response = 2172979 M6

Manual Integration Report

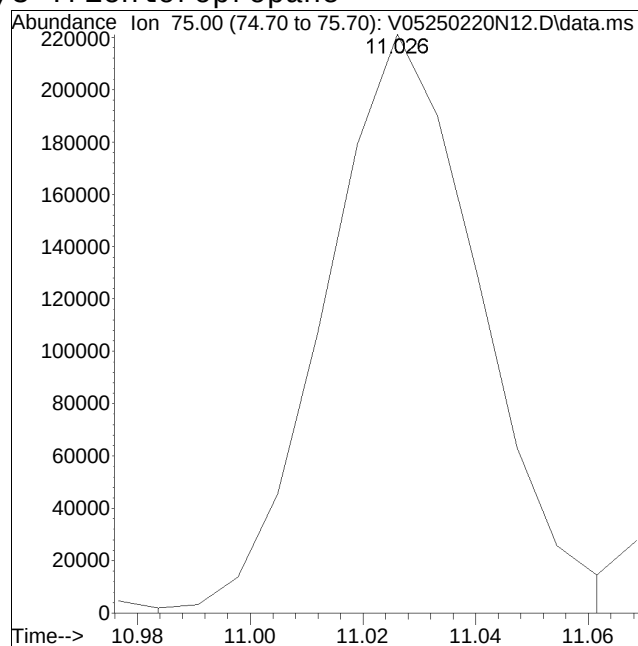
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Data File : V05250220N12.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:29 am Instrument : V0A105
Sample : I8260STD120PPB Quant Date : 2/21/2025 12:22 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 420274

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



Manual Peak Response = 421458 M1

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N13.D
 Acq On : 21 Feb 2025 3:54 am
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 21 12:22:37 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.598	96	248418	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery =	119.50%		
59) Chlorobenzene-d5	9.076	117	196689	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery =	121.33%		
79) 1,4-Dichlorobenzene-d4	11.875	152	108041	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery =	111.80%		
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	66162	9.498	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.98%		
43) 1,2-Dichloroethane-d4	5.323	65	75139	9.355	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.55%		
60) Toluene-d8	7.256	98	255665	9.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.83%		
83) 4-Bromofluorobenzene	10.623	95	88629	10.261	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.61%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	1427580	192.455	ug/L	100
3) Chloromethane	1.630	50	1802672	188.591	ug/L	99
4) Vinyl chloride	1.691	62	1433227	223.735	ug/L	100
5) Bromomethane	1.973	94	693876	241.092	ug/L	99
6) Chloroethane	2.062	64	607949	188.922	ug/L	97
7) Trichlorofluoromethane	2.199	101	1616866	188.219	ug/L	99
8) Ethyl ether	2.474	74	363174	203.976	ug/L	96
10) 1,1-Dichloroethene	2.652	96	837937	204.324	ug/L	97
11) Carbon disulfide	2.680	76	2613124	206.680	ug/L	100
12) Freon-113	2.680	101	908587	196.973	ug/L	88
13) Iodomethane	2.783	142	1488119	180.550	ug/L	99
14) Acrolein	2.968	56	161079	220.804	ug/L	94
15) Methylene chloride	3.181	84	1097154	187.630	ug/L	94
17) Acetone	3.236	43	204046	138.668	ug/L	96
18) trans-1,2-Dichloroethene	3.318	96	1122710	200.795	ug/L	99
19) Methyl acetate	3.339	43	549946	197.416	ug/L	97
20) Methyl tert-butyl ether	3.414	73	2389769	210.195	ug/L	93
21) tert-Butyl alcohol	3.531	59	272228	1074.432	ug/L #	79
22) Diisopropyl ether	3.751	45	4255515	197.802	ug/L	96
23) 1,1-Dichloroethane	3.881	63	2288456	192.993	ug/L	99
24) Halothane	3.936	117	883734	198.576	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N13.D
 Acq On : 21 Feb 2025 3:54 am
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 21 12:22:37 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.936	53	323699	198.660	ug/L	96
26) Ethyl tert-butyl ether	4.087	59	3479299	207.159	ug/L	97
27) Vinyl acetate	4.107	43	2226523M6	210.122	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	1206745	198.444	ug/L	97
29) 2,2-Dichloropropane	4.471	77	1667512	205.897	ug/L	90
30) Bromochloromethane	4.567	128	536715	180.300	ug/L	94
31) Cyclohexane	4.554	56	2628270	194.649	ug/L	97
32) Chloroform	4.636	83	1943748	188.933	ug/L	98
33) Ethyl acetate	4.746	43	852146	203.873	ug/L	98
34) Carbon tetrachloride	4.753	117	1771096	206.535	ug/L	99
35) Tetrahydrofuran	4.787	42	252911M6	199.122	ug/L	
37) 1,1,1-Trichloroethane	4.821	97	1855050	198.481	ug/L	97
39) 2-Butanone	4.931	43	397879	192.807	ug/L	89
40) 1,1-Dichloropropene	4.938	75	1544704	208.320	ug/L	100
41) Benzene	5.182	78	4247348	201.416	ug/L	99
42) tert-Amyl methyl ether	5.287	73	2386293	216.560	ug/L	87
44) 1,2-Dichloroethane	5.386	62	1481338	187.620	ug/L	99
47) Methyl cyclohexane	5.739	83	2049670	204.470	ug/L	95
48) Trichloroethene	5.767	95	1176309	195.291	ug/L	100
50) Dibromomethane	6.205	93	617070	201.266	ug/L	99
51) 1,2-Dichloropropane	6.304	63	1290849	200.682	ug/L	99
53) 2-Chloroethyl vinyl ether	6.995	63	670619	244.948	ug/L	97
54) Bromodichloromethane	6.381	83	1541023	204.203	ug/L	100
57) 1,4-Dioxane	6.593	88	57922	2164.957	ug/L	96
58) cis-1,3-Dichloropropene	7.058	75	1765792	231.656	ug/L	97
61) Toluene	7.312	92	2814613	198.051	ug/L	99
62) 4-Methyl-2-pentanone	7.750	58	310120	213.787	ug/L	89
63) Tetrachloroethene	7.750	166	1388301	203.459	ug/L	98
65) trans-1,3-Dichloropropene	7.806	75	1492292	237.385	ug/L	99
67) Ethyl methacrylate	7.990	69	932259	235.347	ug/L	89
68) 1,1,2-Trichloroethane	7.983	83	681094	194.644	ug/L	98
69) Chlorodibromomethane	8.187	129	1210996	213.205	ug/L	99
70) 1,3-Dichloropropane	8.300	76	1468916	199.807	ug/L	99
71) 1,2-Dibromoethane	8.456	107	879042	209.285	ug/L	98
72) 2-Hexanone	8.752	43	523990	221.539	ug/L	# 93
73) Chlorobenzene	9.098	112	3331433	196.345	ug/L	100
74) Ethylbenzene	9.140	91	5478198	200.352	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.189	131	1250047	203.702	ug/L	99
76) p/m Xylene	9.323	106	4178301	394.561	ug/L	97
77) o Xylene	9.874	106	4040008	398.216	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N13.D
 Acq On : 21 Feb 2025 3:54 am
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 21 12:22:37 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.944	104	6524616	397.729	ug/L	96
80)	Bromoform	9.973	173	723499	235.946	ug/L	98
82)	Isopropylbenzene	10.276	105	5691859	215.081	ug/L	99
84)	Bromobenzene	10.729	156	1367800	208.652	ug/L	98
85)	n-Propylbenzene	10.779	91	6367688	208.247	ug/L	100
86)	1,4-Dichlorobutane	10.807	55	1597951	193.516	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.892	83	903985	198.478	ug/L	99
88)	4-Ethyltoluene	10.913	105	5417491	208.201	ug/L	100
89)	2-Chlorotoluene	10.955	91	3566876M6	196.287	ug/L	
90)	1,3,5-Trimethylbenzene	11.019	105	4667899	204.426	ug/L	100
91)	1,2,3-Trichloropropane	11.026	75	710608M1	196.690	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.090	53	330647M1	204.801	ug/L	
93)	4-Chlorotoluene	11.146	91	3864194	206.157	ug/L	98
94)	tert-Butylbenzene	11.366	119	4220249	211.795	ug/L	99
97)	1,2,4-Trimethylbenzene	11.451	105	4595636	211.082	ug/L	100
98)	sec-Butylbenzene	11.564	105	5847582	208.310	ug/L	99
99)	p-Isopropyltoluene	11.726	119	5288685	212.216	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	2658285	201.597	ug/L	99
101)	1,4-Dichlorobenzene	11.889	146	2669148	196.992	ug/L	100
102)	p-Diethylbenzene	12.108	119	3146536	215.089	ug/L	99
103)	n-Butylbenzene	12.165	91	4075684	206.645	ug/L	99
104)	1,2-Dichlorobenzene	12.321	146	2388165	200.069	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.915	119	4663386	225.161	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.113	155	158295	244.926	ug/L	98
107)	1,3,5-Trichlorobenzene	13.141	180	1800285	205.282	ug/L	100
108)	Hexachlorobutadiene	13.714	225	659733	214.679	ug/L	99
109)	1,2,4-Trichlorobenzene	13.742	180	1538126	210.419	ug/L	99
110)	Naphthalene	14.032	128	3190063	217.701	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	1280814	208.893	ug/L	99

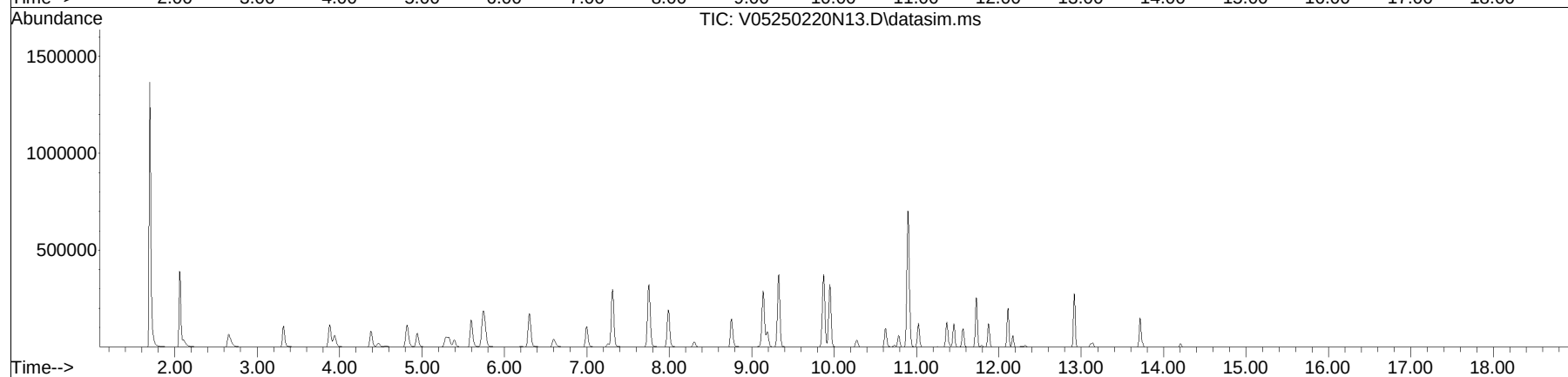
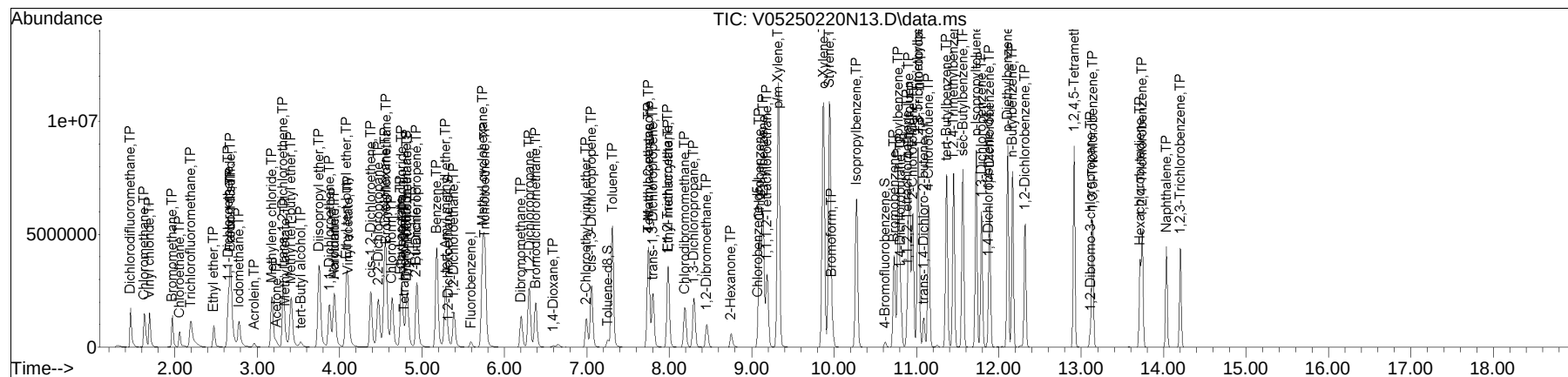
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N13.D
 Acq On : 21 Feb 2025 3:54 am
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 21 12:22:37 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:21:17 2025
 Response via : Initial Calibration

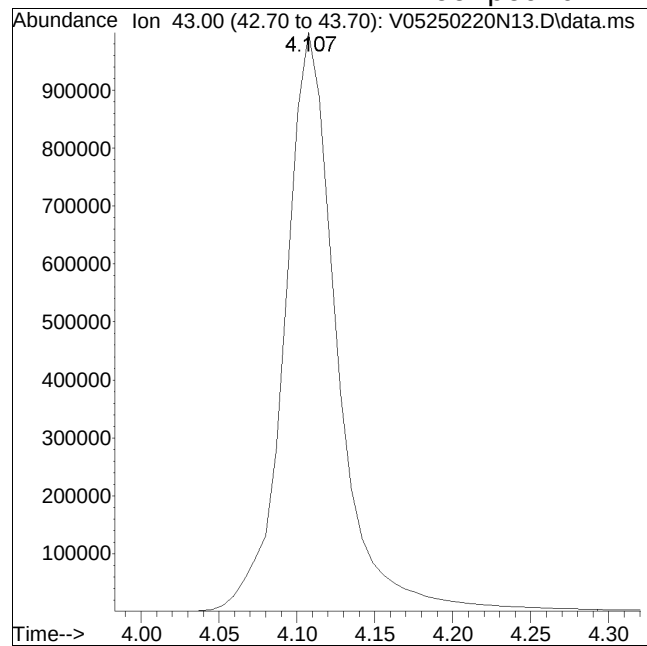
Sub List : 8260-Curve - Megamix plus Diox\V05250220N09.D•



Manual Integration Report

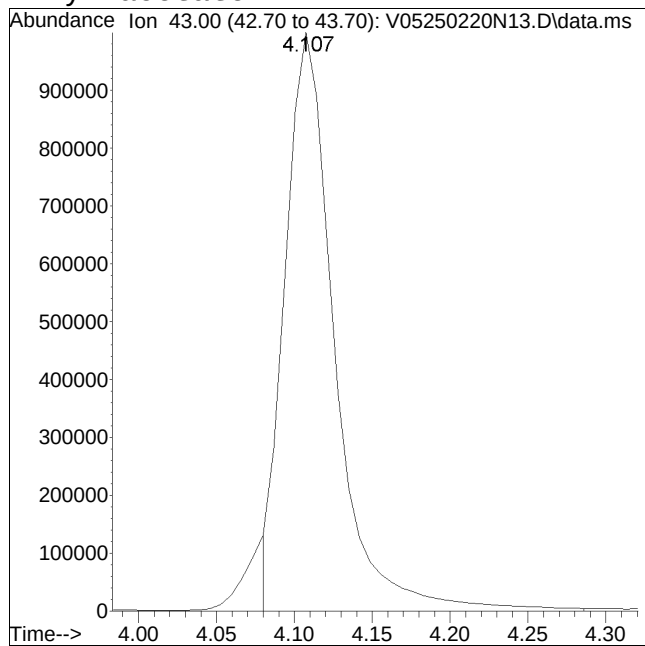
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Data File : V05250220N13.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:54 am Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 2/21/2025 12:22 pm

Compound #27: Vinyl acetate



Original Peak Response = 2338973

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

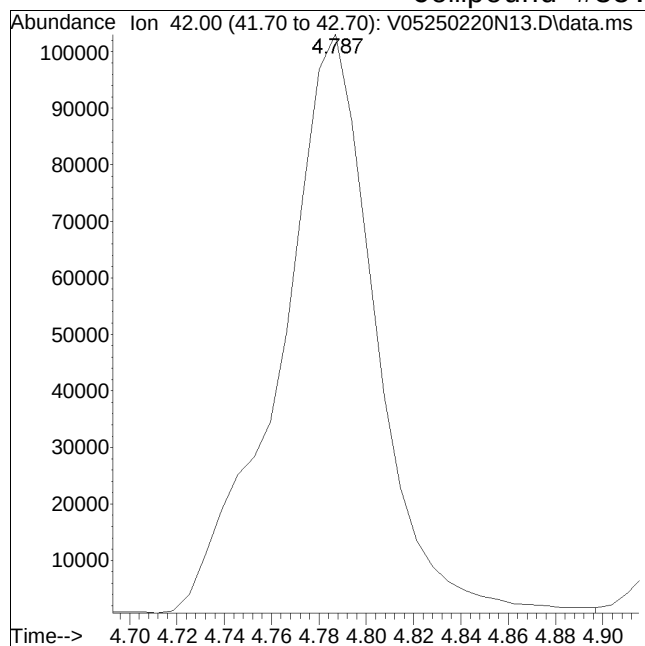


Manual Peak Response = 2226523 M6

Manual Integration Report

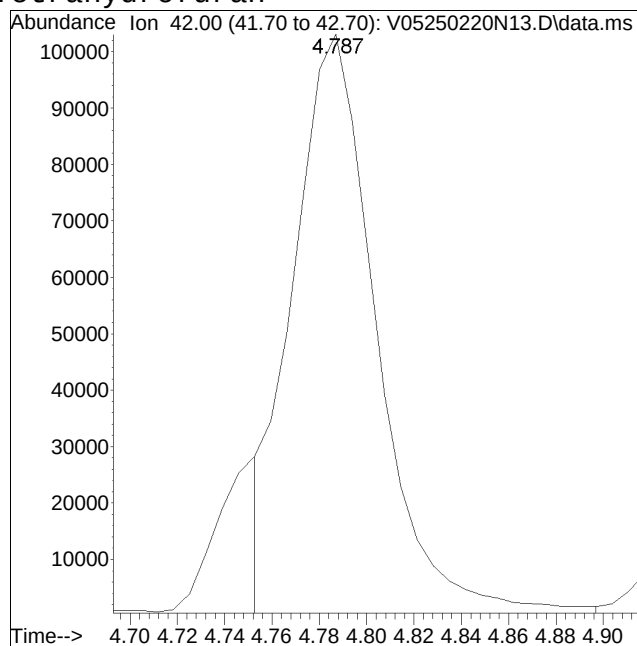
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Data File : V05250220N13.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:54 am Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 2/21/2025 12:22 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 285900

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

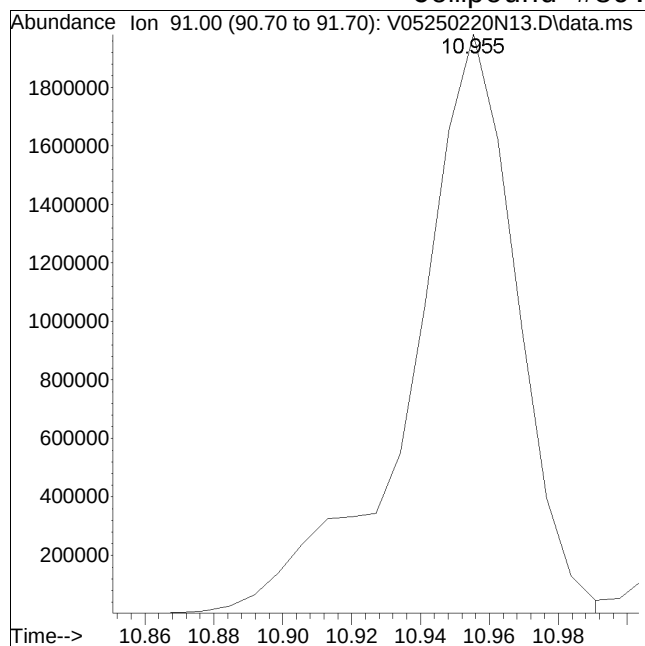


Manual Peak Response = 252911 M6

Manual Integration Report

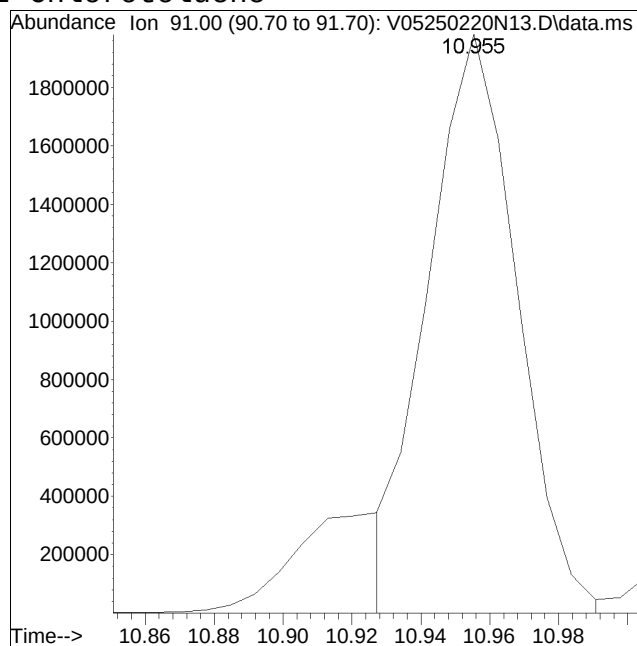
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Data File : V05250220N13.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:54 am Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 2/21/2025 12:22 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 4179749

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

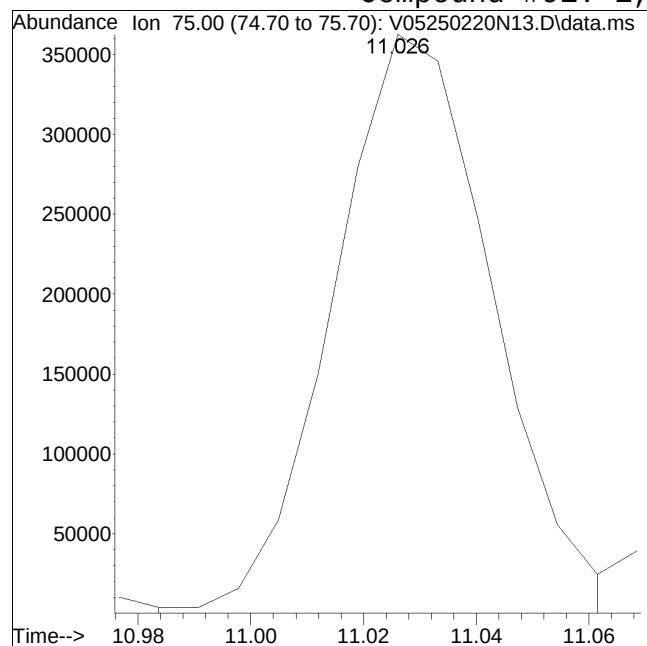


Manual Peak Response = 3566876 M6

Manual Integration Report

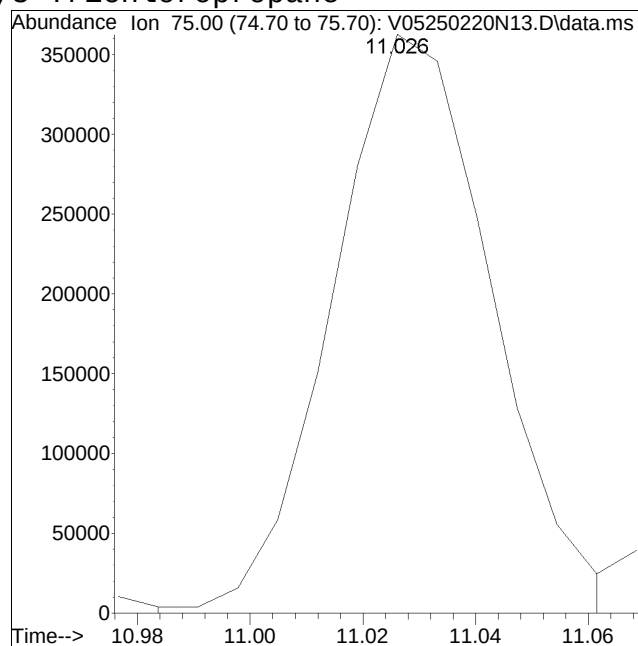
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N13.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 3:54 am Instrument : V0A105
Sample : I8260STD200PPB Quant Date : 2/21/2025 12:22 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 708919

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

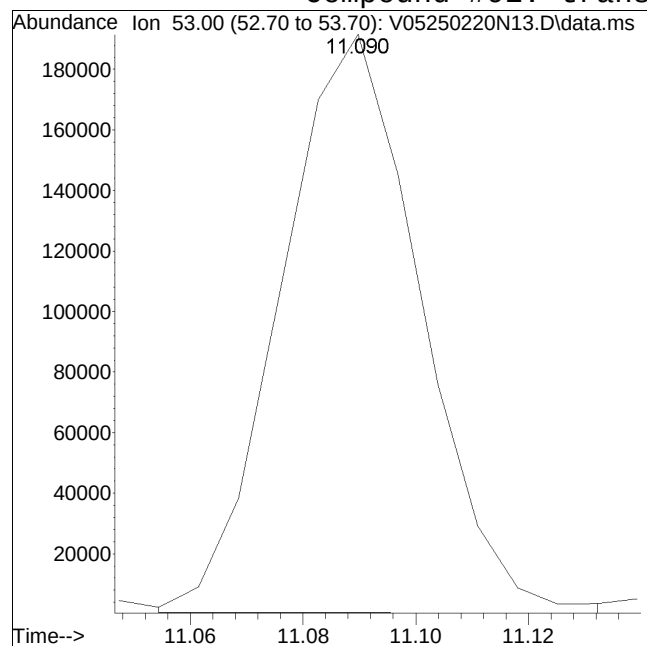


Manual Peak Response = 710608 M1

Manual Integration Report

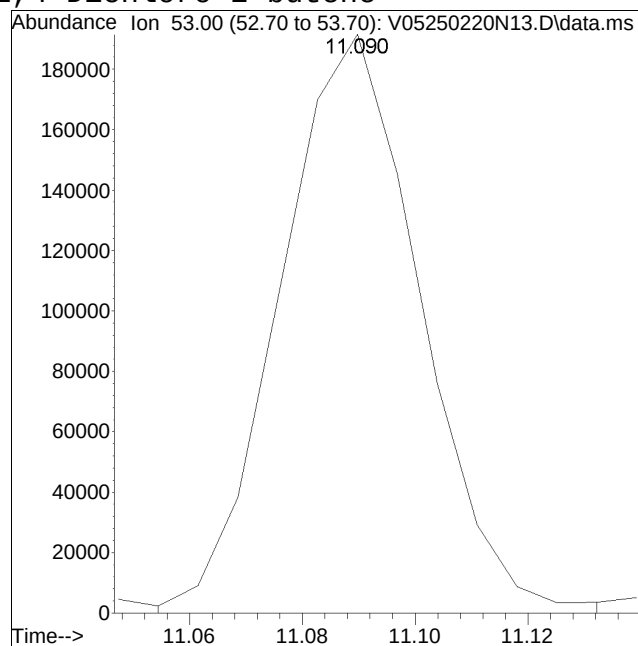
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N13.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 3:54 am Instrument : VOA105
Sample : I8260STD200PPB Quant Date : 2/21/2025 12:22 pm

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 328140

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



Manual Peak Response = 330647 M1

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	106	0.00
2 TP	Dichlorodifluoromethane	0.299	0.254	15.1	80	0.00
3 TP	Chloromethane	0.385	0.375	2.6	96	0.00
4 TP	Vinyl chloride	0.258	0.241	6.6	95	0.00
5 TP	Bromomethane	0.116	0.136	-17.2	133	0.00
6 TP	Chloroethane	0.130	0.134	-3.1	100	0.00
7 TP	Trichlorofluoromethane	0.346	0.365	-5.5	98	0.00
8 TP	Ethyl ether	0.072	0.077	-6.9	106	0.00
10 TP	1,1-Dichloroethene	0.165	0.168	-1.8	98	0.00
11 TP	Carbon disulfide	0.509	0.422	17.1	83	0.00
12 TP	Freon-113	0.186	0.197	-5.9	101	0.00
13 TP	Iodomethane	0.332	0.274	17.5	80	0.00
14 TP	Acrolein	0.029	0.025	13.8	93	0.00
15 TP	Methylene chloride	0.235	0.230	2.1	100	0.00
17 TP	Acetone	* 10.000	8.499	15.0	85	0.00
18 TP	trans-1,2-Dichloroethene	0.225	0.232	-3.1	100	0.00
19 TP	Methyl acetate	0.112	0.104	7.1	95	0.00
20 TP	Methyl tert-butyl ether	0.458	0.425	7.2	94	0.00
21 TP	tert-Butyl alcohol	0.01020	0.00911#	10.7	91	0.00
22 TP	Diisopropyl ether	0.866	0.802	7.4	93	0.00
23 TP	1,1-Dichloroethane	0.477	0.483	-1.3	98	0.00
24 TP	Halothane	0.179	0.192	-7.3	102	0.00
25 TP	Acrylonitrile	0.066	0.062	6.1	94	0.00
26 TP	Ethyl tert-butyl ether	0.676	0.648	4.1	97	0.00
27 TP	Vinyl acetate	0.427	0.357	16.4	92	0.00
28 TP	cis-1,2-Dichloroethene	0.245	0.244	0.4	96	0.00
29 TP	2,2-Dichloropropane	0.326	0.312	4.3	98	0.00
30 TP	Bromochloromethane	0.120	0.122	-1.7	95	0.00
31 TP	Cyclohexane	* 10.000	8.690	13.1	90	0.00
32 TP	Chloroform	0.414	0.424	-2.4	100	0.00
33 TP	Ethyl acetate	0.168	0.151	10.1	90	0.00
34 TP	Carbon tetrachloride	0.345	0.355	-2.9	97	0.00
35 TP	Tetrahydrofuran	0.051	0.046	9.8	91	0.00
36 S	Dibromofluoromethane	0.280	0.284	-1.4	105	0.00
37 TP	1,1,1-Trichloroethane	0.376	0.392	-4.3	100	0.00
39 TP	2-Butanone	0.083	0.076	8.4	88	0.00
40 TP	1,1-Dichloropropene	* 10.000	10.501	-5.0	104	0.00
41 TP	Benzene	0.849	0.871	-2.6	98	0.00
42 TP	tert-Amyl methyl ether	0.444	0.405	8.8	96	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43 S	1,2-Dichloroethane-d4	0.323	0.330	-2.2	101	0.00
44 TP	1,2-Dichloroethane	0.318	0.313	1.6	94	0.00
47 TP	Methyl cyclohexane	0.404	0.391	3.2	93	0.00
48 TP	Trichloroethene	0.242	0.249	-2.9	98	0.00
50 TP	Dibromomethane	0.123	0.119	3.3	94	0.00
51 TP	1,2-Dichloropropane	0.259	0.252	2.7	97	0.00
53 TP	2-Chloroethyl vinyl ether	0.123	0.108	12.2	97	0.00
54 TP	Bromodichloromethane	0.304	0.285#	6.3	94	0.00
57 TP	1,4-Dioxane	0.00108	0.00102#	5.6	94	0.00
58 TP	cis-1,3-Dichloropropene	* 10.000	9.137	8.6	97	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
60 S	Toluene-d8	1.302	1.304	-0.2	104	0.00
61 TP	Toluene	0.723	0.770	-6.5	103	0.00
62 TP	4-Methyl-2-pentanone	0.074	0.064	13.5	93	0.00
63 TP	Tetrachloroethene	0.347	0.373	-7.5	101	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	9.213	7.9	98	0.00
67 TP	Ethyl methacrylate	0.220	0.220	0.0	108	0.00
68 TP	1,1,2-Trichloroethane	0.178	0.174#	2.2	94	0.00
69 TP	Chlorodibromomethane	0.289	0.287	0.7	97	0.00
70 TP	1,3-Dichloropropane	0.374	0.359	4.0	94	0.00
71 TP	1,2-Dibromoethane	0.214	0.213	0.5	98	0.00
72 TP	2-Hexanone	0.120	0.102	15.0	91	0.00
73 TP	Chlorobenzene	0.863	0.884	-2.4	100	0.00
74 TP	Ethylbenzene	1.390	1.402	-0.9	97	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.312	0.303	2.9	95	0.00
76 TP	p/m Xylene	0.538	0.568	-5.6	98	0.00
77 TP	o Xylene	0.516	0.538	-4.3	97	0.00
78 TP	Styrene	0.834	0.881	-5.6	98	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
80 TP	Bromoform	* 10.000	8.395	16.1	95	0.00
82 TP	Isopropylbenzene	2.449	2.175	11.2	85	0.00
83 S	4-Bromofluorobenzene	0.799	0.780	2.4	104	0.00
84 TP	Bromobenzene	0.607	0.580	4.4	96	0.00
85 TP	n-Propylbenzene	2.830	2.802	1.0	97	0.00
86 TP	1,4-Dichlorobutane	0.764	0.769	-0.7	101	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.422	0.376	10.9	90	0.00
88 TP	4-Ethyltoluene	2.408	2.542	-5.6	102	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.682	1.618	3.8	94	0.00
90 TP	1,3,5-Trimethylbenzene	2.113	2.075	1.8	94	0.00
91 TP	1,2,3-Trichloropropane	0.334	0.294	12.0	88	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.149	0.133	10.7	89	0.00
93 TP	4-Chlorotoluene	1.735	1.698	2.1	99	0.00
94 TP	tert-Butylbenzene	1.844	1.810	1.8	95	0.00
97 TP	1,2,4-Trimethylbenzene	2.015	2.059	-2.2	97	0.00
98 TP	sec-Butylbenzene	2.598	2.516	3.2	93	0.00
99 TP	p-Isopropyltoluene	2.307	2.290	0.7	95	0.00
100 TP	1,3-Dichlorobenzene	1.220	1.242	-1.8	100	0.00
101 TP	1,4-Dichlorobenzene	1.254	1.237	1.4	99	0.00
102 TP	p-Diethylbenzene	1.354	1.345	0.7	97	0.00
103 TP	n-Butylbenzene	1.826	1.811	0.8	96	0.00
104 TP	1,2-Dichlorobenzene	1.105	1.103	0.2	98	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.061	1.903	7.7	97	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	8.871	11.3	99	0.00
107 TP	1,3,5-Trichlorobenzene	0.812	0.812	0.0	98	0.00
108 TP	Hexachlorobutadiene	0.284	0.276	2.8	98	0.00
109 TP	1,2,4-Trichlorobenzene	0.677	0.674	0.4	98	0.00
110 TP	Naphthalene	1.356	1.324	2.4	95	0.00
111 TP	1,2,3-Trichlorobenzene	0.568	0.574	-1.1	97	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.591	96	219740	10.000	ug/L	0.00
Standard Area 1 = 207883			Recovery	=	105.70%	
59) Chlorobenzene-d5	9.077	117	170855	10.000	ug/L	0.00
Standard Area 1 = 162110			Recovery	=	105.39%	
79) 1,4-Dichlorobenzene-d4	11.868	152	101919	10.000	ug/L	0.00
Standard Area 1 = 96637			Recovery	=	105.47%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	62358	10.120	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.20%	
43) 1,2-Dichloroethane-d4	5.323	65	72431	10.195	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	101.95%	
60) Toluene-d8	7.256	98	222811	10.016	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.16%	
83) 4-Bromofluorobenzene	10.616	95	79453	9.751	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	97.51%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	55914	8.522	ug/L	99
3) Chloromethane	1.637	50	82365	9.741	ug/L	99
4) Vinyl chloride	1.698	62	52990	9.352	ug/L	98
5) Bromomethane	1.973	94	29855	11.727	ug/L	97
6) Chloroethane	2.069	64	29491	10.360	ug/L	98
7) Trichlorofluoromethane	2.199	101	80129	10.545	ug/L	99
8) Ethyl ether	2.474	74	17005	10.797	ug/L	94
10) 1,1-Dichloroethene	2.652	96	36857	10.160	ug/L	96
11) Carbon disulfide	2.680	76	92700	8.289	ug/L	100
12) Freon-113	2.680	101	43277	10.606	ug/L	81
13) Iodomethane	2.783	142	60283	8.269	ug/L	99
14) Acrolein	2.975	56	5502	8.526	ug/L	89
15) Methylene chloride	3.181	84	50604	9.783	ug/L	94
17) Acetone	3.243	43	9219	8.499	ug/L	98
18) trans-1,2-Dichloroethene	3.325	96	51045	10.321	ug/L	98
19) Methyl acetate	3.346	43	22780	9.245	ug/L	99
20) Methyl tert-butyl ether	3.414	73	93408	9.288	ug/L	96
21) tert-Butyl alcohol	3.538	59	10012	44.673	ug/L #	84
22) Diisopropyl ether	3.751	45	176263	9.262	ug/L	98
23) 1,1-Dichloroethane	3.881	63	106234	10.128	ug/L	100
24) Halothane	3.936	117	42170	10.712	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	3.950	53	13599	9.435	ug/L	98
26) Ethyl tert-butyl ether	4.087	59	142439	9.588	ug/L	98
27) Vinyl acetate	4.114	43	78370M6	8.361	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	53673	9.978	ug/L	98
29) 2,2-Dichloropropane	4.471	77	68612	9.578	ug/L	94
30) Bromochloromethane	4.567	128	26767	10.165	ug/L	93
31) Cyclohexane	4.554	56	116122	8.690	ug/L	97
32) Chloroform	4.643	83	93266	10.249	ug/L	98
33) Ethyl acetate	4.760	43	33180	8.974	ug/L	99
34) Carbon tetrachloride	4.753	117	78079	10.293	ug/L	99
35) Tetrahydrofuran	4.794	42	10088M6	8.979	ug/L	
37) 1,1,1-Trichloroethane	4.821	97	86171	10.423	ug/L	99
39) 2-Butanone	4.938	43	16801	9.204	ug/L	94
40) 1,1-Dichloropropene	4.938	75	72711	10.501	ug/L	99
41) Benzene	5.182	78	191341	10.258	ug/L	98
42) tert-Amyl methyl ether	5.288	73	89046	9.136	ug/L	95
44) 1,2-Dichloroethane	5.393	62	68735	9.842	ug/L	99
47) Methyl cyclohexane	5.739	83	85927	9.691	ug/L	98
48) Trichloroethene	5.767	95	54735	10.273	ug/L	97
50) Dibromomethane	6.205	93	26047	9.604	ug/L	97
51) 1,2-Dichloropropane	6.304	63	55451	9.746	ug/L	98
53) 2-Chloroethyl vinyl ether	7.002	63	23715	8.793	ug/L	96
54) Bromodichloromethane	6.381	83	62582	9.375	ug/L	100
57) 1,4-Dioxane	6.600	88	11176	472.244	ug/L	96
58) cis-1,3-Dichloropropene	7.059	75	68556	9.137	ug/L	97
61) Toluene	7.313	92	131600	10.660	ug/L	99
62) 4-Methyl-2-pentanone	7.757	58	10930	8.674	ug/L	95
63) Tetrachloroethene	7.750	166	63775	10.760	ug/L	98
65) trans-1,3-Dichloropropene	7.807	75	56953	9.213	ug/L	95
67) Ethyl methacrylate	7.997	69	37629	10.031	ug/L	92
68) 1,1,2-Trichloroethane	7.983	83	29770	9.794	ug/L	98
69) Chlorodibromomethane	8.195	129	49006	9.932	ug/L	99
70) 1,3-Dichloropropane	8.300	76	61377	9.611	ug/L	100
71) 1,2-Dibromoethane	8.456	107	36405	9.978	ug/L	98
72) 2-Hexanone	8.759	43	17367	8.453	ug/L	98
73) Chlorobenzene	9.098	112	151118	10.253	ug/L	98
74) Ethylbenzene	9.133	91	239532	10.085	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.182	131	51706	9.700	ug/L	99
76) p/m Xylene	9.324	106	194143	21.105	ug/L	100
77) o Xylene	9.867	106	183974	20.876	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250220NICAL\V05250220N09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	9.937	104	301077	21.128	ug/L	100
80)	Bromoform	9.966	173	26927	8.395	ug/L	97
82)	Isopropylbenzene	10.269	105	221650	8.879	ug/L	99
84)	Bromobenzene	10.729	156	59134	9.562	ug/L	97
85)	n-Propylbenzene	10.779	91	285556	9.900	ug/L	99
86)	1,4-Dichlorobutane	10.807	55	78336	10.057	ug/L	100
87)	1,1,2,2-Tetrachloroethane	10.892	83	38342	8.924	ug/L	99
88)	4-Ethyltoluene	10.913	105	259117	10.556	ug/L	100
89)	2-Chlorotoluene	10.948	91	164866M6	9.618	ug/L	
90)	1,3,5-Trimethylbenzene	11.012	105	211519	9.820	ug/L	99
91)	1,2,3-Trichloropropane	11.026	75	29995	8.801	ug/L	99
92)	trans-1,4-Dichloro-2-b...	11.090	53	13543	8.892	ug/L	93
93)	4-Chlorotoluene	11.146	91	173008	9.784	ug/L	98
94)	tert-Butylbenzene	11.359	119	184476	9.814	ug/L	100
97)	1,2,4-Trimethylbenzene	11.451	105	209869	10.218	ug/L	99
98)	sec-Butylbenzene	11.557	105	256390	9.682	ug/L	99
99)	p-Isopropyltoluene	11.719	119	233351	9.926	ug/L	99
100)	1,3-Dichlorobenzene	11.790	146	126571	10.175	ug/L	99
101)	1,4-Dichlorobenzene	11.882	146	126095	9.865	ug/L	99
102)	p-Diethylbenzene	12.101	119	137083	9.933	ug/L	99
103)	n-Butylbenzene	12.165	91	184569	9.920	ug/L	99
104)	1,2-Dichlorobenzene	12.314	146	112384	9.981	ug/L	99
105)	1,2,4,5-Tetramethylben...	12.908	119	193976	9.236	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.113	155	6253	8.871	ug/L	99
107)	1,3,5-Trichlorobenzene	13.134	180	82719	9.999	ug/L	99
108)	Hexachlorobutadiene	13.714	225	28083	9.687	ug/L	99
109)	1,2,4-Trichlorobenzene	13.742	180	68676	9.959	ug/L	99
110)	Naphthalene	14.032	128	134900	9.759	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	58532	10.120	ug/L	99

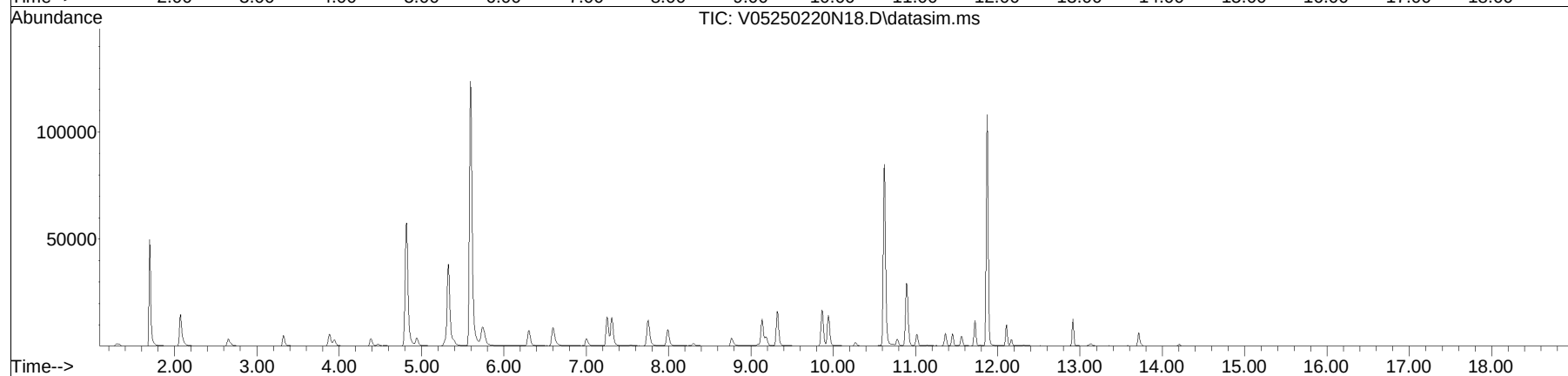
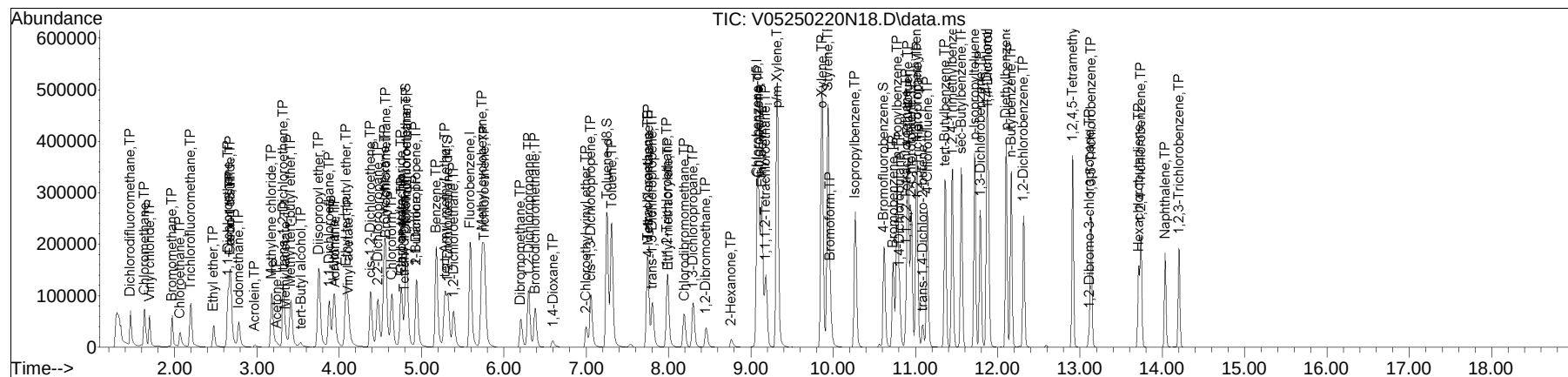
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250220NICAL\
 Data File : V05250220N18.D
 Acq On : 21 Feb 2025 6:02 am
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG2032723,ICAL (Sig #1); WG,ICAL21989 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 21 12:35:03 2025
 Quant Method : K:\VOA105\2025\250220NICAL\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

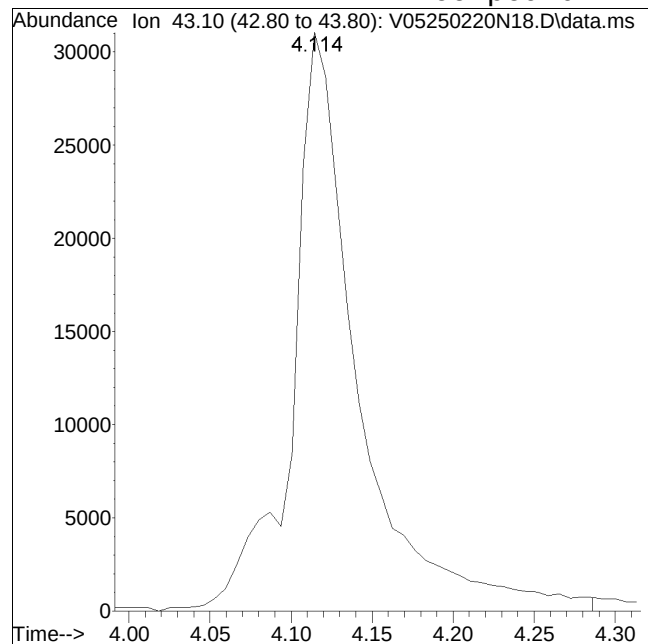
Sub List : 8260-Curve - Megamix plus Diox\VO5250220N09.D•



Manual Integration Report

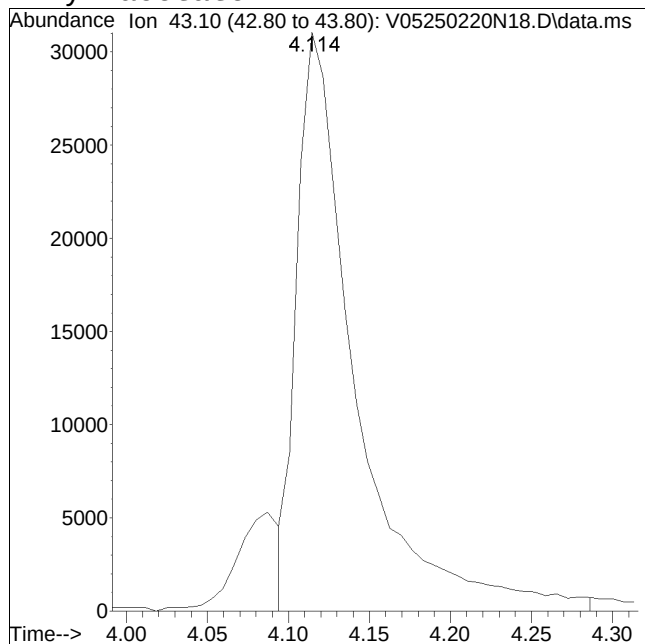
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N18.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 6:02 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 2/21/2025 12:34 pm

Compound #27: Vinyl acetate



Original Peak Response = 88222

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

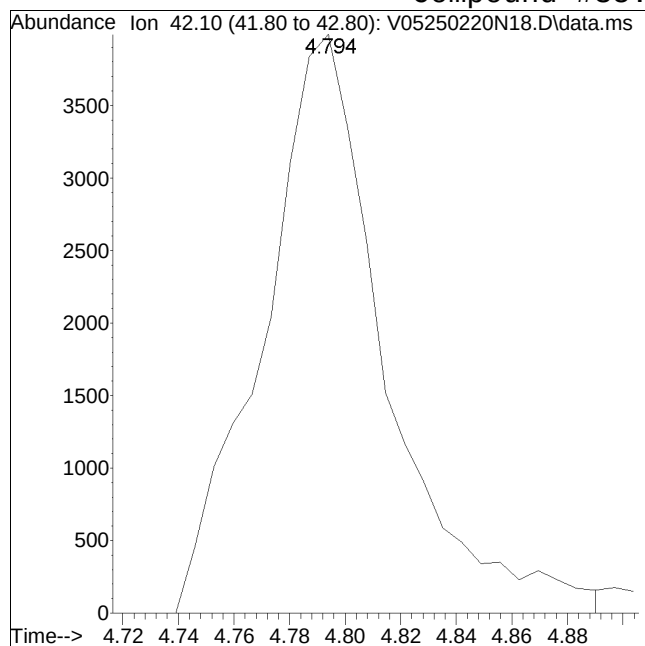


Manual Peak Response = 78370 M6

Manual Integration Report

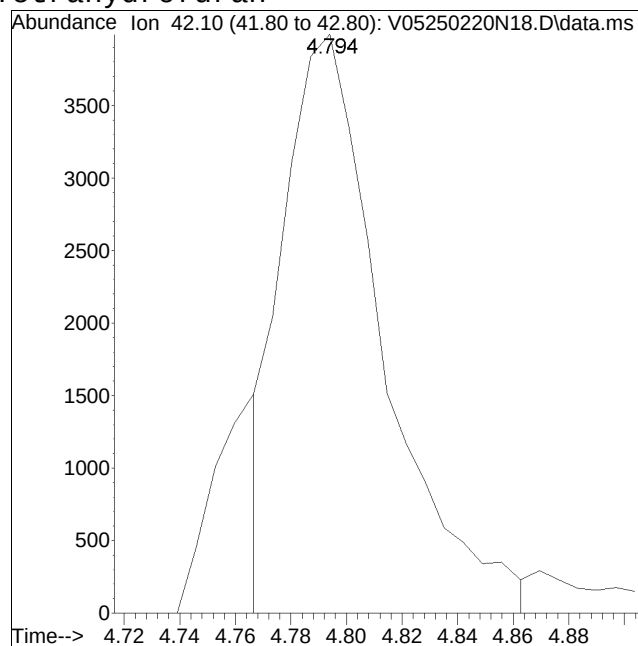
Data Path : K:\V0A105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N18.D Operator : V0A105:PID
Date Inj'd : 2/21/2025 6:02 am Instrument : V0A105
Sample : C8260STD10PPB Quant Date : 2/21/2025 12:34 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 12202

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

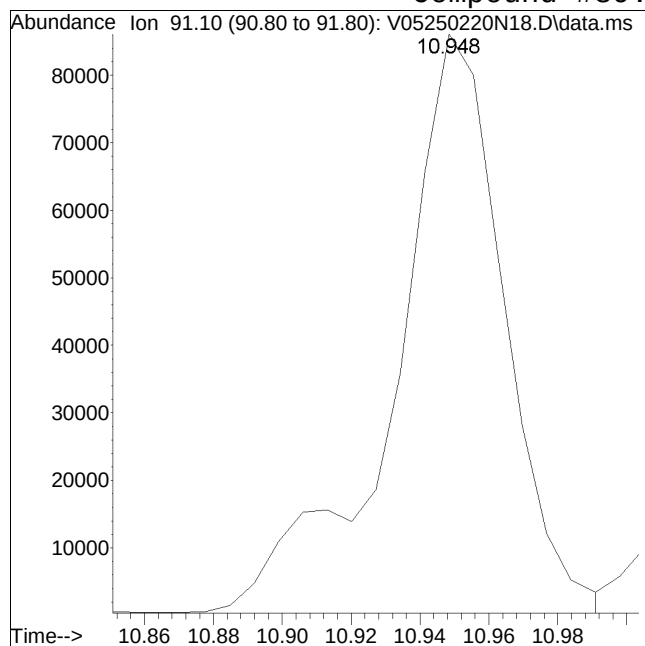


Manual Peak Response = 10088 M6

Manual Integration Report

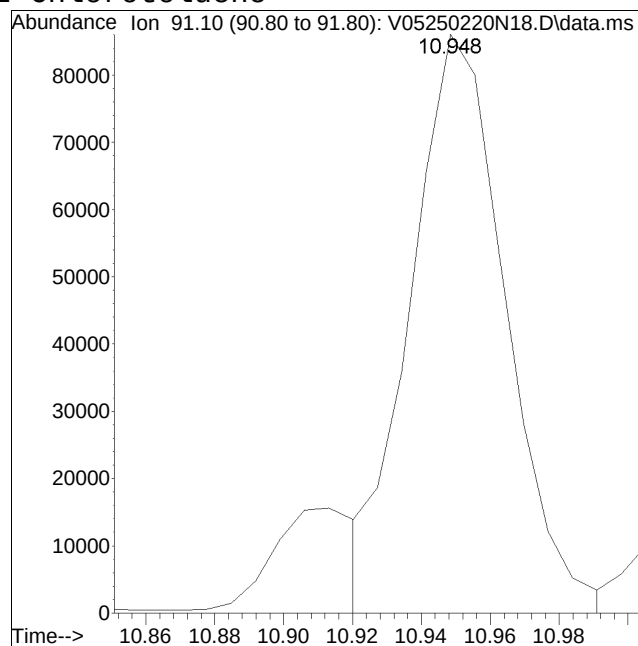
Data Path : K:\VOA105\2025\250220NICALQMethod : V105_250220N_8260.m
Data File : V05250220N18.D Operator : VOA105:PID
Date Inj'd : 2/21/2025 6:02 am Instrument : VOA105
Sample : C8260STD10PPB Quant Date : 2/21/2025 12:34 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 188738

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



Manual Peak Response = 164866 M6

Method Path : K:\VOA105\2025\250220NICAL\
 Method File : V105_250220N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Feb 21 12:33:29 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	10.966	9.7	2.00	1.763	-11.9
31	TP Cyclohexane	Q	ug/L	10.0	10.200	2.0	0.50	0.469	-6.2
40	TP 1,1-Dichloropropene	L	ug/L	10.0	10.713	7.1	0.50	0.438	-12.4
58	TP cis-1,3-Dichloropropene	Q	ug/L	10.0	9.919	-0.8	0.19	0.238	25.3
65	TP trans-1,3-Dichloropropene	Q	ug/L	10.0	9.935	-0.6	0.19	0.242	27.4
80	TP Bromoform	L	ug/L	10.0	9.243	-7.6	0.50	0.633	26.6
106	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	9.435	-5.6	0.50	0.578	15.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.999156	0.000000	0.041648	0.00655817
31	TP Cyclohexane	Quadratic	0.999954	-0.004959	0.628688	-0.0141622
40	TP 1,1-Dichloropropene	Linear	0.999111	0.000000	0.320674	-0.00583922
58	TP cis-1,3-Dichloropropene	Quadratic	0.999784	0.001761	0.344785	-0.00450803
65	TP trans-1,3-Dichloropropene	Quadratic	0.999735	0.002156	0.365808	-0.00549994
80	TP Bromoform	Linear	0.997684	0.000000	0.328844	-0.0118532
106	TP 1,2-Dibromo-3-chloropropane	Linear	0.999447	0.000000	0.0731019	-0.00349644

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA105
 Lab File ID : V05250320A01
 Sample No : WG2043050-2
 Channel :

Lab Number : L2514879
 Project Number : 0210873-000-001-16
 Calibration Date : 03/20/25 07:00
 Init. Calib. Date(s) : 02/21/25 02/21/25
 Init. Calib. Times : 00:05 03:54

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	110	0
Dichlorodifluoromethane	0.299	0.335	-	-12	20	109	0
Chloromethane	0.385	0.281	-	27*	20	75	0
Vinyl chloride	0.258	0.309	-	-19.8	20	126	0
Bromomethane	0.116	0.082	-	29.3*	20	83	0
Chloroethane	0.13	0.192	-	-47.7*	20	149	0
Trichlorofluoromethane	0.346	0.443	-	-28*	20	124	0
Ethyl ether	0.072	0.1	-	-38.9*	20	142	0
1,1-Dichloroethene	0.165	0.223	-	-35.2*	20	135	0
Carbon disulfide	0.509	0.703	-	-38.1*	20	144	0
Freon-113	0.186	0.246	-	-32.3*	20	131	0
Acrolein	0.029	0.029	-	0	20	112	0
Methylene chloride	0.235	0.248	-	-5.5	20	111	0
Acetone	10	8.734	-	12.7	20	90	0
trans-1,2-Dichloroethene	0.225	0.262	-	-16.4	20	117	0
Methyl acetate	0.112	0.104	-	7.1	20	98	0
Methyl tert-butyl ether	0.458	0.504	-	-10	20	116	0
tert-Butyl alcohol	0.01	0.01	-	0	20	104	0
Diisopropyl ether	0.866	0.812	-	6.2	20	97	0
1,1-Dichloroethane	0.477	0.491	-	-2.9	20	104	0
Halothane	0.179	0.209	-	-16.8	20	115	0
Acrylonitrile	0.066	0.057	-	13.6	20	89	0
Ethyl tert-butyl ether	0.676	0.65	-	3.8	20	101	0
Vinyl acetate	0.427	0.421	-	1.4	20	113	0
cis-1,2-Dichloroethene	0.245	0.288	-	-17.6	20	117	0
2,2-Dichloropropane	0.326	0.392	-	-20.2*	20	127	0
Bromochloromethane	0.12	0.146	-	-21.7*	20	117	0
Cyclohexane	10	8.271	-	17.3	20	89	0
Chloroform	0.414	0.458	-	-10.6	20	112	0
Ethyl acetate	0.168	0.156	-	7.1	20	96	0
Carbon tetrachloride	0.345	0.394	-	-14.2	20	112	0
Tetrahydrofuran	0.051	0.049	-	3.9	20	101	0
Dibromofluoromethane	0.28	0.272	-	2.9	20	104	0
1,1,1-Trichloroethane	0.376	0.413	-	-9.8	20	110	0
2-Butanone	0.083	0.076	-	8.4	20	91	0
1,1-Dichloropropene	10	10.543	-	-5.4	20	108	0
Benzene	0.849	0.959	-	-13	20	112	0
tert-Amyl methyl ether	0.444	0.471	-	-6.1	20	116	0
1,2-Dichloroethane-d4	0.323	0.315	-	2.5	20	100	0
1,2-Dichloroethane	0.318	0.34	-	-6.9	20	106	0
Methyl cyclohexane	0.404	0.419	-	-3.7	20	103	0
Trichloroethene	0.242	0.28	-	-15.7	20	115	0
Dibromomethane	0.123	0.141	-	-14.6	20	116	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
 Project Name : 340 MYRTLE AVE
 Instrument ID : VOA105
 Lab File ID : V05250320A01
 Sample No : WG2043050-2
 Channel :

Lab Number : L2514879
 Project Number : 0210873-000-001-16
 Calibration Date : 03/20/25 07:00
 Init. Calib. Date(s) : 02/21/25 02/21/25
 Init. Calib. Times : 00:05 03:54

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.259	0.253	-	2.3	20	101	0
Bromodichloromethane	0.304	0.328	-	-7.9	20	112	0
1,4-Dioxane	0.00108	0.00109*	-	-0.9	20	104	0
cis-1,3-Dichloropropene	10	10.172	-	-1.7	20	113	0
Chlorobenzene-d5	1	1	-	0	20	114	0
Toluene-d8	1.302	1.18	-	9.4	20	102	0
Toluene	0.723	0.762	-	-5.4	20	110	0
4-Methyl-2-pentanone	0.074	0.059	-	20.3*	20	93	0
Tetrachloroethene	0.347	0.41	-	-18.2	20	119	0
trans-1,3-Dichloropropene	10	10.007	-	-0.1	20	114	0
Ethyl methacrylate	0.22	0.213	-	3.2	20	112	0
1,1,2-Trichloroethane	0.178	0.183*	-	-2.8	20	106	0
Chlorodibromomethane	0.289	0.316	-	-9.3	20	116	0
1,3-Dichloropropane	0.374	0.375	-	-0.3	20	106	0
1,2-Dibromoethane	0.214	0.226	-	-5.6	20	112	0
2-Hexanone	0.12	0.098	-	18.3	20	95	0
Chlorobenzene	0.863	0.945	-	-9.5	20	115	0
Ethylbenzene	1.39	1.489	-	-7.1	20	111	0
1,1,1,2-Tetrachloroethane	0.312	0.339	-	-8.7	20	115	0
p/m Xylene	0.538	0.606	-	-12.6	20	112	0
o Xylene	0.516	0.583	-	-13	20	114	0
Styrene	0.834	0.955	-	-14.5	20	114	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	116	0
Bromoform	10	9.472	-	5.3	20	119	0
Isopropylbenzene	2.449	2.604	-	-6.3	20	112	0
4-Bromofluorobenzene	0.799	0.716	-	10.4	20	105	0
Bromobenzene	0.607	0.688	-	-13.3	20	125	0
n-Propylbenzene	2.83	2.994	-	-5.8	20	113	0
1,4-Dichlorobutane	0.764	0.634	-	17	20	92	0
1,1,2,2-Tetrachloroethane	0.422	0.403	-	4.5	20	106	0
4-Ethyltoluene	2.408	2.636	-	-9.5	20	116	0
2-Chlorotoluene	1.682	1.747	-	-3.9	20	111	0
1,3,5-Trimethylbenzene	2.113	2.194	-	-3.8	20	109	0
1,2,3-Trichloropropane	0.334	0.321	-	3.9	20	106	0
trans-1,4-Dichloro-2-buten	0.149	0.111	-	25.5*	20	81	0
4-Chlorotoluene	1.735	1.813	-	-4.5	20	116	0
tert-Butylbenzene	1.844	2.053	-	-11.3	20	118	0
1,2,4-Trimethylbenzene	2.015	2.133	-	-5.9	20	111	0
sec-Butylbenzene	2.598	2.833	-	-9	20	115	0
p-Isopropyltoluene	2.307	2.617	-	-13.4	20	119	0
1,3-Dichlorobenzene	1.22	1.408	-	-15.4	20	125	0
1,4-Dichlorobenzene	1.254	1.406	-	-12.1	20	124	0
p-Diethylbenzene	1.354	1.512	-	-11.7	20	120	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Haley & Aldrich
Project Name : 340 MYRTLE AVE
Instrument ID : VOA105
Lab File ID : V05250320A01
Sample No : WG2043050-2
Channel :

Lab Number : L2514879
Project Number : 0210873-000-001-16
Calibration Date : 03/20/25 07:00
Init. Calib. Date(s) : 02/21/25 02/21/25
Init. Calib. Times : 00:05 03:54

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.826	1.964	-	-7.6	20	115	0
1,2-Dichlorobenzene	1.105	1.247	-	-12.9	20	122	0
1,2,4,5-Tetramethylbenzene	2.061	2.13	-	-3.3	20	120	0
1,2-Dibromo-3-chloropropan	10	10.281	-	-2.8	20	127	0
1,3,5-Trichlorobenzene	0.812	0.987	-	-21.6*	20	131	0
Hexachlorobutadiene	0.284	0.351	-	-23.6*	20	137	0
1,2,4-Trichlorobenzene	0.677	0.815	-	-20.4*	20	131	0
Naphthalene	1.356	1.516	-	-11.8	20	119	0
1,2,3-Trichlorobenzene	0.568	0.7	-	-23.2*	20	130	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	110	0.00
2 TP	Dichlorodifluoromethane	0.299	0.335	-12.0	109	0.00
3 TP	Chloromethane	0.385	0.281	27.0#	75	0.00
4 TP	Vinyl chloride	0.258	0.309	-19.8	126	0.00
5 TP	Bromomethane	0.116	0.082	29.3#	83	0.00
6 TP	Chloroethane	0.130	0.192	-47.7#	149	0.00
7 TP	Trichlorofluoromethane	0.346	0.443	-28.0#	124	0.00
8 TP	Ethyl ether	0.072	0.100	-38.9#	142	0.00
10 TP	1,1-Dichloroethene	0.165	0.223	-35.2#	135	0.00
11 TP	Carbon disulfide	0.509	0.703	-38.1#	144	0.00
12 TP	Freon-113	0.186	0.246	-32.3#	131	0.00
14 TP	Acrolein	0.029	0.029	0.0	112	0.00
15 TP	Methylene chloride	0.235	0.248	-5.5	111	0.00
17 TP	Acetone	* 10.000	8.734	12.7	90	0.00
18 TP	trans-1,2-Dichloroethene	0.225	0.262	-16.4	117	0.00
19 TP	Methyl acetate	0.112	0.104	7.1	98	0.00
20 TP	Methyl tert-butyl ether	0.458	0.504	-10.0	116	0.00
21 TP	tert-Butyl alcohol	0.010	0.010	0.0	104	0.00
22 TP	Diisopropyl ether	0.866	0.812	6.2	97	0.00
23 TP	1,1-Dichloroethane	0.477	0.491	-2.9	104	0.00
24 TP	Halothane	0.179	0.209	-16.8	115	0.00
25 TP	Acrylonitrile	0.066	0.057	13.6	89	0.00
26 TP	Ethyl tert-butyl ether	0.676	0.650	3.8	101	0.00
27 TP	Vinyl acetate	0.427	0.421	1.4	113	0.00
28 TP	cis-1,2-Dichloroethene	0.245	0.288	-17.6	117	0.00
29 TP	2,2-Dichloropropane	0.326	0.392	-20.2#	127	0.00
30 TP	Bromochloromethane	0.120	0.146	-21.7#	117	0.00
31 TP	Cyclohexane	* 10.000	8.271	17.3	89	0.00
32 TP	Chloroform	0.414	0.458	-10.6	112	0.00
33 TP	Ethyl acetate	0.168	0.156	7.1	96	0.00
34 TP	Carbon tetrachloride	0.345	0.394	-14.2	112	0.00
35 TP	Tetrahydrofuran	0.051	0.049	3.9	101	0.00
36 S	Dibromofluoromethane	0.280	0.272	2.9	104	0.00
37 TP	1,1,1-Trichloroethane	0.376	0.413	-9.8	110	0.00
39 TP	2-Butanone	0.083	0.076	8.4	91	0.00
40 TP	1,1-Dichloropropene	* 10.000	10.543	-5.4	108	0.00
41 TP	Benzene	0.849	0.959	-13.0	112	0.00
42 TP	tert-Amyl methyl ether	0.444	0.471	-6.1	116	0.00
43 S	1,2-Dichloroethane-d4	0.323	0.315	2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TP	1,2-Dichloroethane	0.318	0.340	-6.9	106	0.00
47 TP	Methyl cyclohexane	0.404	0.419	-3.7	103	0.00
48 TP	Trichloroethene	0.242	0.280	-15.7	115	0.00
50 TP	Dibromomethane	0.123	0.141	-14.6	116	0.00
51 TP	1,2-Dichloropropane	0.259	0.253	2.3	101	0.00
54 TP	Bromodichloromethane	0.304	0.328	-7.9	112	0.00
57 TP	1,4-Dioxane	0.00108	0.00109#	-0.9	104	0.00
58 TP	cis-1,3-Dichloropropene	* 10.000	10.172	-1.7	113	0.00
59 I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
60 S	Toluene-d8	1.302	1.180	9.4	102	0.00
61 TP	Toluene	0.723	0.762	-5.4	110	0.00
62 TP	4-Methyl-2-pentanone	0.074	0.059	20.3#	93	0.00
63 TP	Tetrachloroethene	0.347	0.410	-18.2	119	0.00
65 TP	trans-1,3-Dichloropropene	* 10.000	10.007	-0.1	114	0.00
67 TP	Ethyl methacrylate	0.220	0.213	3.2	112	0.00
68 TP	1,1,2-Trichloroethane	0.178	0.183#	-2.8	106	0.00
69 TP	Chlorodibromomethane	0.289	0.316	-9.3	116	0.00
70 TP	1,3-Dichloropropane	0.374	0.375	-0.3	106	0.00
71 TP	1,2-Dibromoethane	0.214	0.226	-5.6	112	0.00
72 TP	2-Hexanone	0.120	0.098	18.3	95	0.00
73 TP	Chlorobenzene	0.863	0.945	-9.5	115	0.00
74 TP	Ethylbenzene	1.390	1.489	-7.1	111	0.00
75 TP	1,1,1,2-Tetrachloroethane	0.312	0.339	-8.7	115	0.00
76 TP	p/m Xylene	0.538	0.606	-12.6	112	0.00
77 TP	o Xylene	0.516	0.583	-13.0	114	0.00
78 TP	Styrene	0.834	0.955	-14.5	114	0.00
79 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
80 TP	Bromoform	* 10.000	9.472	5.3	119	0.00
82 TP	Isopropylbenzene	2.449	2.604	-6.3	112	0.00
83 S	4-Bromofluorobenzene	0.799	0.716	10.4	105	0.00
84 TP	Bromobenzene	0.607	0.688	-13.3	125	0.00
85 TP	n-Propylbenzene	2.830	2.994	-5.8	113	0.00
86 TP	1,4-Dichlorobutane	0.764	0.634	17.0	92	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.422	0.403	4.5	106	0.00
88 TP	4-Ethyltoluene	2.408	2.636	-9.5	116	0.00
89 TP	2-Chlorotoluene	1.682	1.747	-3.9	111	0.00
90 TP	1,3,5-Trimethylbenzene	2.113	2.194	-3.8	109	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.334	0.321	3.9	106	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.149	0.111	25.5#	81	0.00
93 TP	4-Chlorotoluene	1.735	1.813	-4.5	116	0.00
94 TP	tert-Butylbenzene	1.844	2.053	-11.3	118	0.00
97 TP	1,2,4-Trimethylbenzene	2.015	2.133	-5.9	111	0.00
98 TP	sec-Butylbenzene	2.598	2.833	-9.0	115	0.00
99 TP	p-Isopropyltoluene	2.307	2.617	-13.4	119	0.00
100 TP	1,3-Dichlorobenzene	1.220	1.408	-15.4	125	0.00
101 TP	1,4-Dichlorobenzene	1.254	1.406	-12.1	124	0.00
102 TP	p-Diethylbenzene	1.354	1.512	-11.7	120	0.00
103 TP	n-Butylbenzene	1.826	1.964	-7.6	115	0.00
104 TP	1,2-Dichlorobenzene	1.105	1.247	-12.9	122	0.00
105 TP	1,2,4,5-Tetramethylbenzene	2.061	2.130	-3.3	120	0.00
106 TP	1,2-Dibromo-3-chloropropane *	10.000	10.281	-2.8	127	0.00
107 TP	1,3,5-Trichlorobenzene	0.812	0.987	-21.6#	131	0.00
108 TP	Hexachlorobutadiene	0.284	0.351	-23.6#	137	0.00
109 TP	1,2,4-Trichlorobenzene	0.677	0.815	-20.4#	131	0.00
110 TP	Naphthalene	1.356	1.516	-11.8	119	0.00
111 TP	1,2,3-Trichlorobenzene	0.568	0.700	-23.2#	130	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	5.591	96	227962	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.077	117	184103	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.868	152	111889	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	62118	9.718	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.18%		
43) 1,2-Dichloroethane-d4	5.323	65	71724	9.731	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.31%		
60) Toluene-d8	7.256	98	217187	9.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.60%		
83) 4-Bromofluorobenzene	10.623	95	80112	8.956	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	89.56%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.465	85	76414	11.226	ug/L	99
3) Chloromethane	1.637	50	64119	7.310	ug/L	99
4) Vinyl chloride	1.698	62	70337	11.965	ug/L	99
5) Bromomethane	1.973	94	18597	7.041	ug/L	99
6) Chloroethane	2.076	64	43876	14.858	ug/L	98
7) Trichlorofluoromethane	2.199	101	100892	12.799	ug/L	99
8) Ethyl ether	2.474	74	22899	14.015	ug/L	96
10) 1,1-Dichloroethene	2.652	96	50840	13.509	ug/L	97
11) Carbon disulfide	2.673	76	160321	13.818	ug/L	99
12) Freon-113	2.680	101	56141	13.263	ug/L	87
14) Acrolein	2.975	56	6631	9.905	ug/L	99
15) Methylene chloride	3.181	84	56502	10.530	ug/L	90
17) Acetone	3.243	43	9787	8.734	ug/L	# 87
18) trans-1,2-Dichloroethene	3.318	96	59665	11.629	ug/L	90
19) Methyl acetate	3.346	43	23697	9.270	ug/L	97
20) Methyl tert-butyl ether	3.414	73	114800	11.003	ug/L	93
21) tert-Butyl alcohol	3.531	59	11457	49.276	ug/L	# 88
22) Diisopropyl ether	3.751	45	185045	9.373	ug/L	97
23) 1,1-Dichloroethane	3.881	63	111936	10.287	ug/L	100
24) Halothane	3.936	117	47692	11.678	ug/L	99
25) Acrylonitrile	3.950	53	12916	8.638	ug/L	97
26) Ethyl tert-butyl ether	4.087	59	148178	9.614	ug/L	90
27) Vinyl acetate	4.114	43	96037M6	9.876	ug/L	
28) cis-1,2-Dichloroethene	4.382	96	65617	11.759	ug/L	90
29) 2,2-Dichloropropane	4.471	77	89262	12.011	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30)	Bromochloromethane	4.567	128	33260	12.176	ug/L	84
31)	Cyclohexane	4.547	56	114535	8.271	ug/L	89
32)	Chloroform	4.643	83	104423	11.061	ug/L	98
33)	Ethyl acetate	4.753	43	35525	9.262	ug/L	98
34)	Carbon tetrachloride	4.753	117	89886	11.423	ug/L	98
35)	Tetrahydrofuran	4.794	42	11253M6	9.655	ug/L	
37)	1,1,1-Trichloroethane	4.821	97	94233	10.987	ug/L	98
39)	2-Butanone	4.938	43	17341	9.157	ug/L	90
40)	1,1-Dichloropropene	4.938	75	75743	10.543	ug/L	98
41)	Benzene	5.182	78	218631	11.298	ug/L	96
42)	tert-Amyl methyl ether	5.288	73	107291	10.611	ug/L	89
44)	1,2-Dichloroethane	5.393	62	77577	10.707	ug/L	98
47)	Methyl cyclohexane	5.739	83	95430	10.374	ug/L	87
48)	Trichloroethene	5.767	95	63928	11.566	ug/L	98
50)	Dibromomethane	6.205	93	32254	11.464	ug/L	96
51)	1,2-Dichloropropane	6.304	63	57620	9.762	ug/L	95
54)	Bromodichloromethane	6.381	83	74793	10.800	ug/L	98
57)	1,4-Dioxane	6.600	88	12415	505.677	ug/L #	83
58)	cis-1,3-Dichloropropene	7.059	75	79339	10.172	ug/L	98
61)	Toluene	7.313	92	140335	10.550	ug/L	99
62)	4-Methyl-2-pentanone	7.757	58	10860	7.998	ug/L #	92
63)	Tetrachloroethene	7.750	166	75467	11.816	ug/L	97
65)	trans-1,3-Dichloropropene	7.807	75	66778	10.007	ug/L	98
67)	Ethyl methacrylate	7.990	69	39192	9.695	ug/L	97
68)	1,1,2-Trichloroethane	7.990	83	33656	10.276	ug/L	96
69)	Chlorodibromomethane	8.188	129	58261	10.959	ug/L	99
70)	1,3-Dichloropropane	8.300	76	69118	10.044	ug/L	97
71)	1,2-Dibromoethane	8.456	107	41574	10.575	ug/L	99
72)	2-Hexanone	8.759	43	18098	8.175	ug/L	98
73)	Chlorobenzene	9.098	112	173914	10.951	ug/L	99
74)	Ethylbenzene	9.133	91	274051	10.708	ug/L	100
75)	1,1,1,2-Tetrachloroethane	9.189	131	62471	10.876	ug/L	98
76)	p/m Xylene	9.316	106	223311	22.529	ug/L	97
77)	o Xylene	9.867	106	214634	22.602	ug/L	97
78)	Styrene	9.937	104	351696	22.904	ug/L	100
80)	Bromoform	9.966	173	33526	9.472	ug/L	99
82)	Isopropylbenzene	10.269	105	291413	10.633	ug/L	98
84)	Bromobenzene	10.729	156	76980	11.339	ug/L	98
85)	n-Propylbenzene	10.779	91	335029	10.580	ug/L	98
86)	1,4-Dichlorobutane	10.807	55	70970	8.299	ug/L	94
87)	1,1,2,2-Tetrachloroethane	10.892	83	45077	9.557	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050, ICAL22014 (Sig #1); WG, ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88)	4-Ethyltoluene	10.913	105	294885	10.943	ug/L	99
89)	2-Chlorotoluene	10.948	91	195420M6	10.384	ug/L	
90)	1,3,5-Trimethylbenzene	11.012	105	245503	10.382	ug/L	96
91)	1,2,3-Trichloropropane	11.026	75	35885	9.591	ug/L	97
92)	trans-1,4-Dichloro-2-b...	11.090	53	12368	7.397	ug/L	87
93)	4-Chlorotoluene	11.146	91	202826	10.449	ug/L	98
94)	tert-Butylbenzene	11.366	119	229719	11.132	ug/L	97
97)	1,2,4-Trimethylbenzene	11.451	105	238701	10.587	ug/L	97
98)	sec-Butylbenzene	11.557	105	316968	10.903	ug/L	97
99)	p-Isopropyltoluene	11.719	119	292794	11.345	ug/L	98
100)	1,3-Dichlorobenzene	11.790	146	157517	11.535	ug/L	98
101)	1,4-Dichlorobenzene	11.882	146	157335	11.213	ug/L	97
102)	p-Diethylbenzene	12.101	119	169207	11.169	ug/L	97
103)	n-Butylbenzene	12.165	91	219723	10.757	ug/L	98
104)	1,2-Dichlorobenzene	12.314	146	139561	11.290	ug/L	98
105)	1,2,4,5-Tetramethylben...	12.915	119	238329	10.337	ug/L	98
106)	1,2-Dibromo-3-chloropr...	13.113	155	8018	10.281	ug/L	99
107)	1,3,5-Trichlorobenzene	13.134	180	110403	12.156	ug/L	99
108)	Hexachlorobutadiene	13.714	225	39315	12.353	ug/L	98
109)	1,2,4-Trichlorobenzene	13.742	180	91240	12.053	ug/L	99
110)	Naphthalene	14.032	128	169627	11.178	ug/L	100
111)	1,2,3-Trichlorobenzene	14.202	180	78281	12.328	ug/L	99

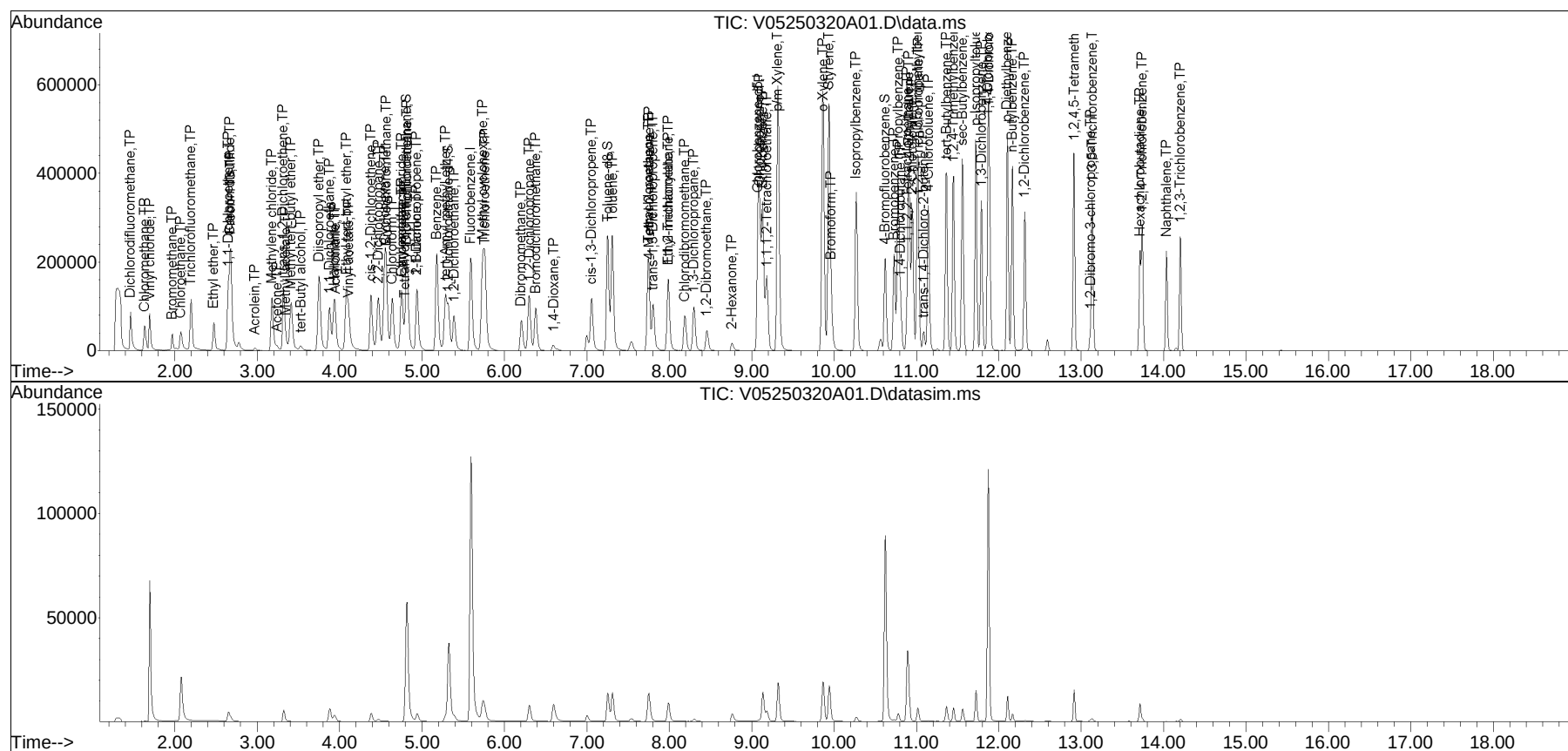
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : K:\VOA105\2025\250320A\  
Data File  : V05250320A01.D  
Acq On     : 20 Mar 2025    7:00 am  
Operator   : VOA105:PID  
Sample     : WG2043050-2 (Sig #1); 8260 CCAL (Sig #2)  
Misc       : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)  
ALS Vial   : 1    Sample Multiplier: 1
```

Quant Time: Mar 20 07:37:38 2025
Quant Method : K:\V0A105\2025\250320A\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:33:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

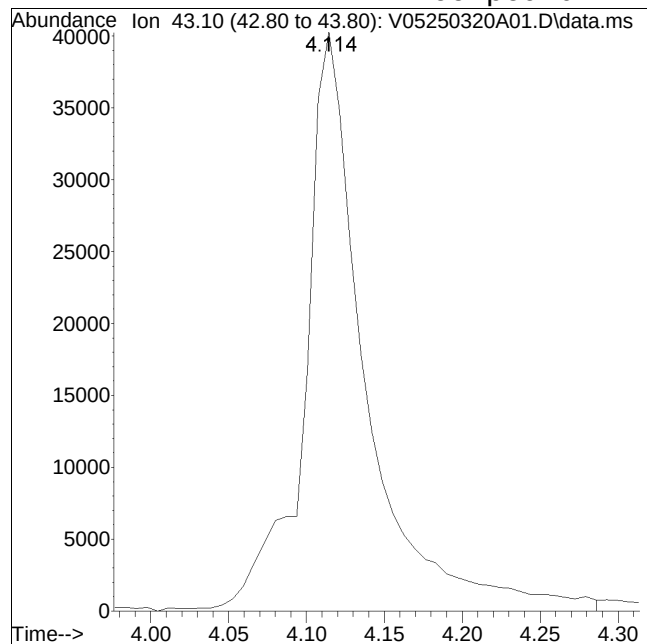


Manual Integration Report

Data Path : K:\VOA105\2025\250320A\
Data File : V05250320A01.D
Date Inj'd : 3/20/2025 7:00 am
Sample : WG2043050-2

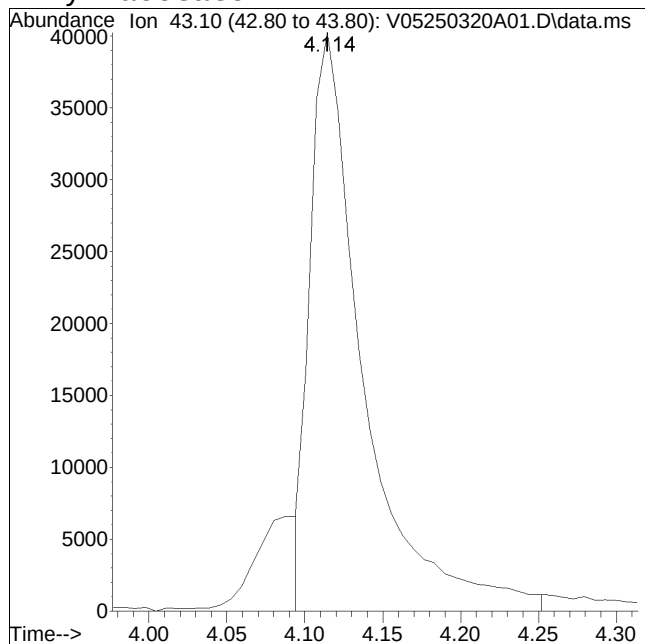
QMethod : V105_250220N_8260.m
Operator : VOA105:PID
Instrument : VOA105
Quant Date : 3/20/2025 7:36 am

Compound #27: Vinyl acetate



Original Peak Response = 110972

M6 = Misassignment of peak valley by



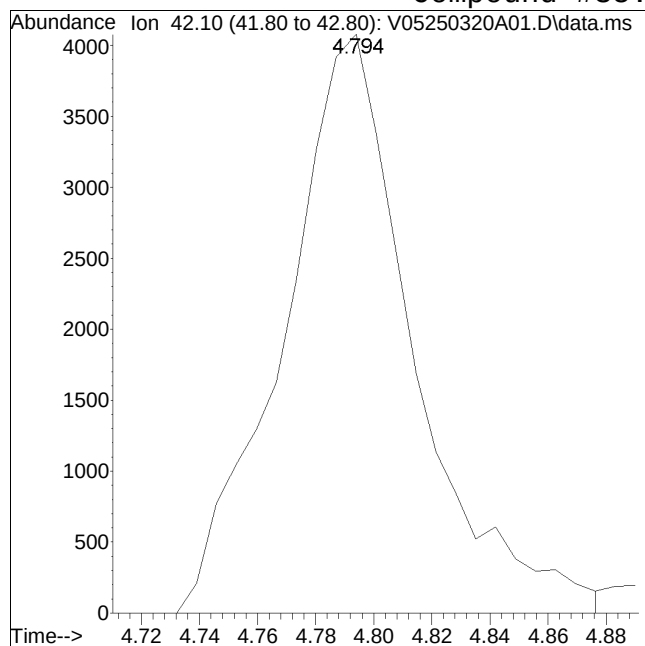
Manual Peak Response = 96037 M6

automated integration (poor split of

Manual Integration Report

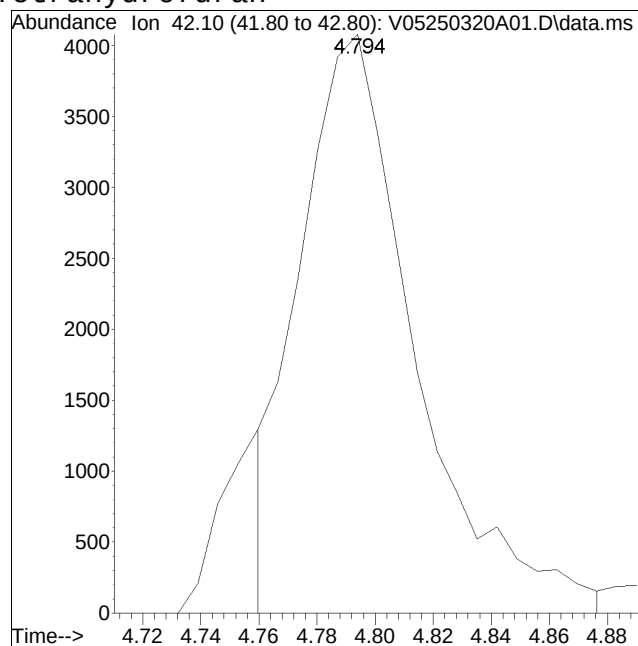
Data Path : K:\V0A105\2025\250320A\ QMethod : V105_250220N_8260.m
Data File : V05250320A01.D Operator : V0A105:PID
Date Inj'd : 3/20/2025 7:00 am Instrument : V0A105
Sample : WG2043050-2 Quant Date : 3/20/2025 7:36 am

Compound #35: Tetrahydrofuran



Original Peak Response = 12624

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

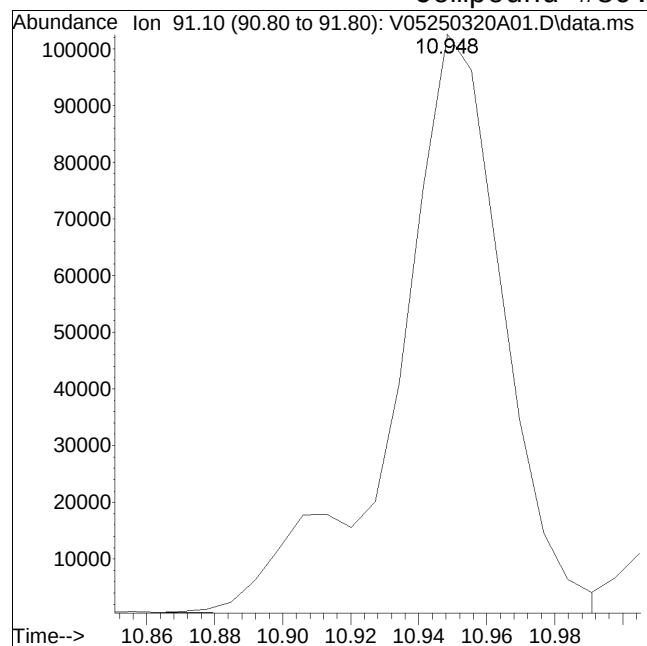


Manual Peak Response = 11253 M6

Manual Integration Report

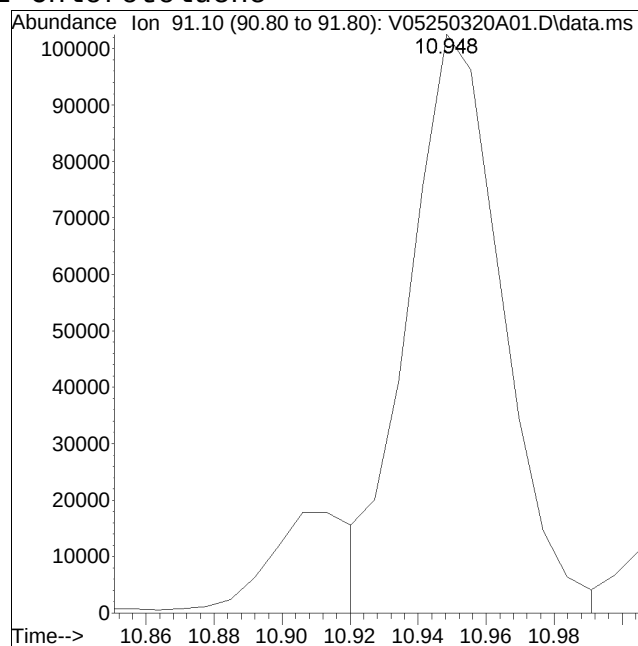
Data Path : K:\V0A105\2025\250320A\ QMethod : V105_250220N_8260.m
Data File : V05250320A01.D Operator : V0A105:PID
Date Inj'd : 3/20/2025 7:00 am Instrument : V0A105
Sample : WG2043050-2 Quant Date : 3/20/2025 7:36 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 222856

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



Manual Peak Response = 195420 M6

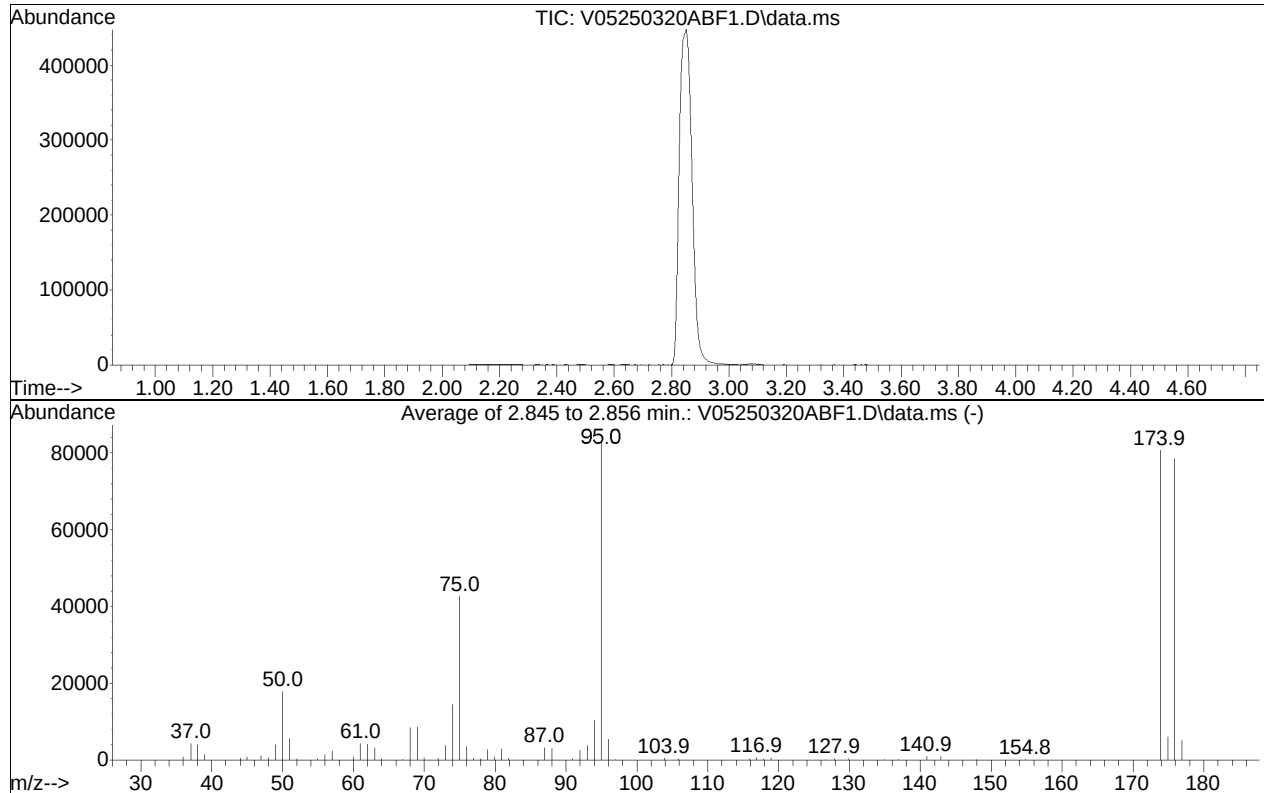
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

BFB

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320ABF1.D
 Acq On : 20 Mar 2025 6:47 am
 Operator : VOA105:PID
 Sample : WG2043050-1
 Misc : WG2043050
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri Feb 21 12:33:29 2025



AutoFind: Scans 139, 140, 141; Background Corrected with Scan 128

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	17907	PASS
75	95	30	60	51.5	42821	PASS
95	95	100	100	100.0	83205	PASS
96	95	5	9	6.6	5463	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	97.0	80744	PASS
175	174	5	9	7.5	6062	PASS
176	174	95	101	97.2	78515	PASS
177	176	5	9	6.5	5083	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A05.D
 Acq On : 20 Mar 2025 8:41 am
 Operator : VOA105:PID
 Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 09:16:27 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250320A\V05250320A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	5.591	96	202838	10.000	ug/L	0.00
Standard Area 1 = 227962			Recovery	=	88.98%	
59) Chlorobenzene-d5	9.084	117	165321	10.000	ug/L	0.00
Standard Area 1 = 184103			Recovery	=	89.80%	
79) 1,4-Dichlorobenzene-d4	11.868	152	96118	10.000	ug/L	0.00
Standard Area 1 = 111889			Recovery	=	85.90%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.814	113	58602	10.303	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	103.03%	
43) 1,2-Dichloroethane-d4	5.323	65	63939	9.750	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.50%	
60) Toluene-d8	7.256	98	191958	8.918	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.18%	
83) 4-Bromofluorobenzene	10.623	95	68745	8.946	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.46%	
Target Compounds						Qvalue
4) Vinyl chloride	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
15) Methylene chloride	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	

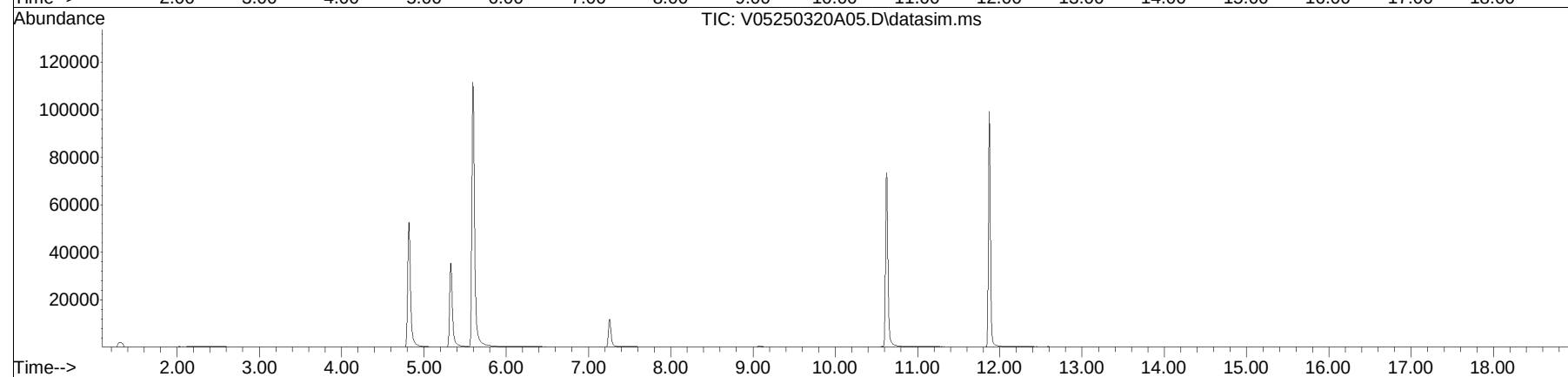
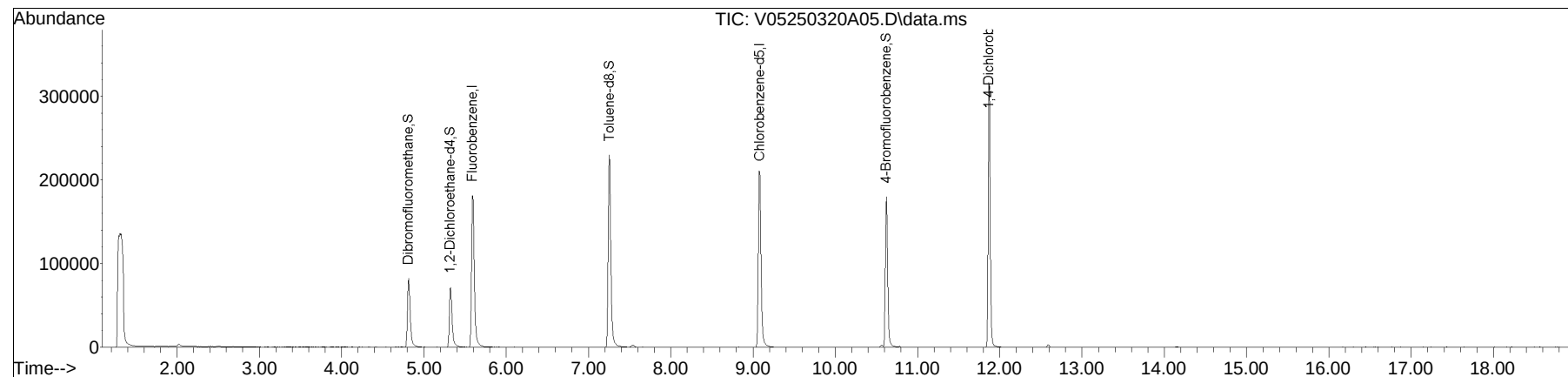
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A05.D
 Acq On : 20 Mar 2025 8:41 am
 Operator : VOA105:PID
 Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 20 09:16:27 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\VOA105\2025\250320A\	QMethod	: V105_250220N_8260.m
Data File	: V05250320A05.D	Operator	: VOA105:PID
Date Inj'd	: 3/20/2025 8:41 am	Instrument	: VOA105
Sample	: WG2043050-5,31,10,10	Quant Date	: 3/20/2025 9:16 am

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

LSC Area Percent Report

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A05.D
 Acq On : 20 Mar 2025 8:41 am
 Operator : VOA105:PID
 Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Title : VOLATILES BY GC/MS

Signal : TIC: V05250320A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.814	536	543	569	rBB	82238	193381	35.99%	7.202%
2	5.323	605	614	636	rBV	71913	171734	31.96%	6.396%
3	5.591	645	652	673	rBV	181683	430178	80.06%	16.021%
4	7.256	880	888	921	rBV	229777	518562	96.51%	19.312%
5	9.076	1133	1146	1176	rBB	211303	481092	89.53%	17.917%
6	10.623	1357	1363	1383	rVB	179383	352881	65.67%	13.142%
7	11.868	1530	1539	1557	rBV	316578	537328	100.00%	20.011%

Sum of corrected areas: 2685156
 Signal : TIC: V05250320A05.D\datasim.ms

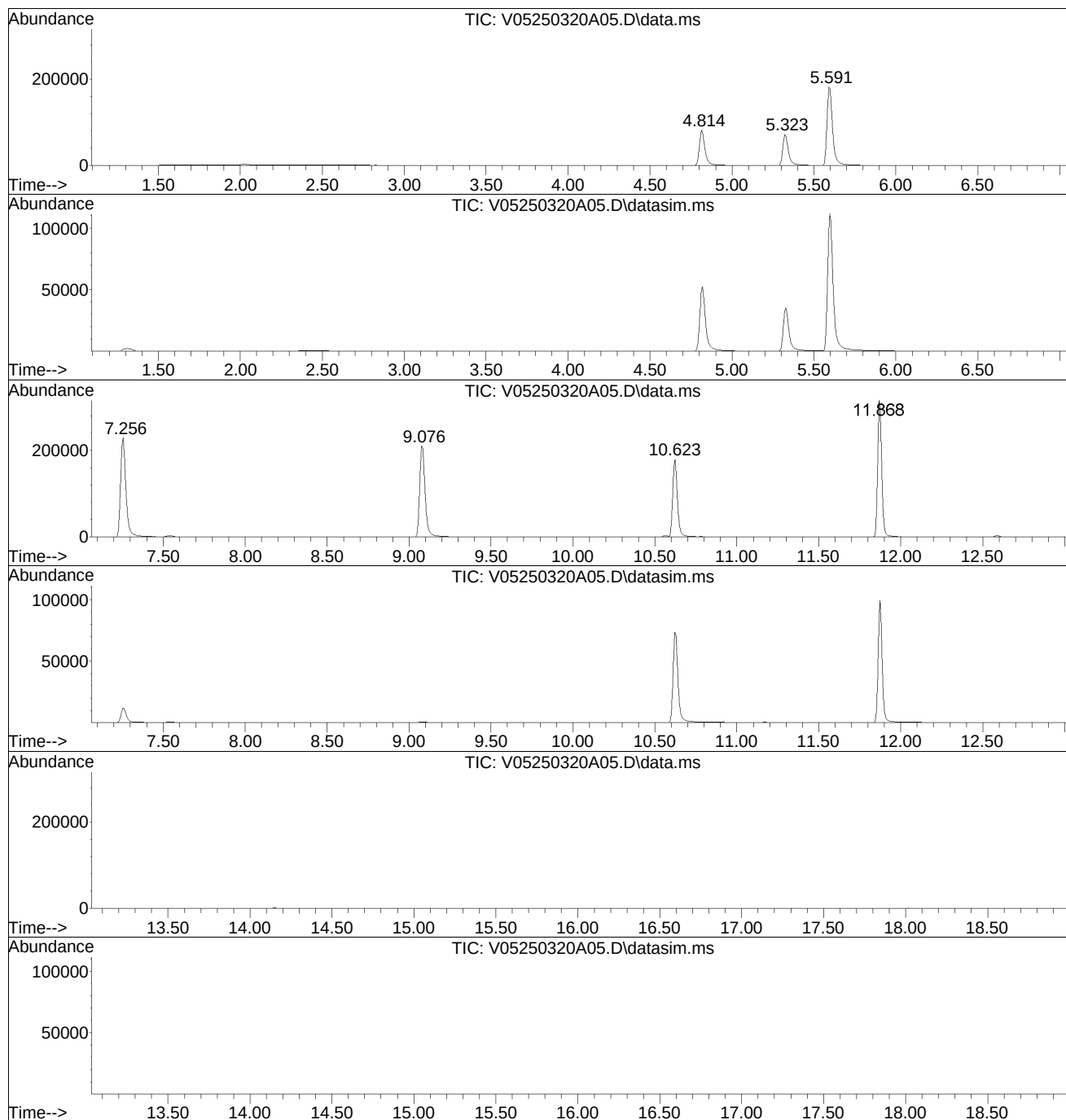
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
No peaks were detected using the above RTE integration parameters!									

LSC Report - Integrated Chromatogram

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A05.D
 Acq On : 20 Mar 2025 8:41 am
 Operator : VOA105:PID
 Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA105\2025\250320A\
Data File : V05250320A05.D
Acq On : 20 Mar 2025 8:41 am
Operator : VOA105:PID
Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A05.D
 Acq On : 20 Mar 2025 8:41 am
 Operator : VOA105:PID
 Sample : WG2043050-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--
					# RT Resp Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A01.D
 Acq On : 20 Mar 2025 7:00 am
 Operator : VOA105:PID
 Sample : WG2043050-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	5.591	96	227962	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.077	117	184103	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	11.868	152	111889	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	62118	9.718	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.18%	
43) 1,2-Dichloroethane-d4	5.323	65	71724	9.731	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	97.31%	
60) Toluene-d8	7.256	98	217187	9.060	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	90.60%	
83) 4-Bromofluorobenzene	10.623	95	80112	8.956	ug/L	0.00
Spiked Amount	10.000	Range 70 - 130	Recovery	=	89.56%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.698	62	70337	11.965	ug/L	99
10) 1,1-Dichloroethene	2.652	96	50840	13.509	ug/L	97
15) Methylene chloride	3.181	84	56502	10.530	ug/L	90
28) cis-1,2-Dichloroethene	4.382	96	65617	11.759	ug/L	90
32) Chloroform	4.643	83	104423	11.061	ug/L	98
34) Carbon tetrachloride	4.753	117	89886	11.423	ug/L	98
37) 1,1,1-Trichloroethane	4.821	97	94233	10.987	ug/L	98
48) Trichloroethene	5.767	95	63928	11.566	ug/L	98
63) Tetrachloroethene	7.750	166	75467	11.816	ug/L	97

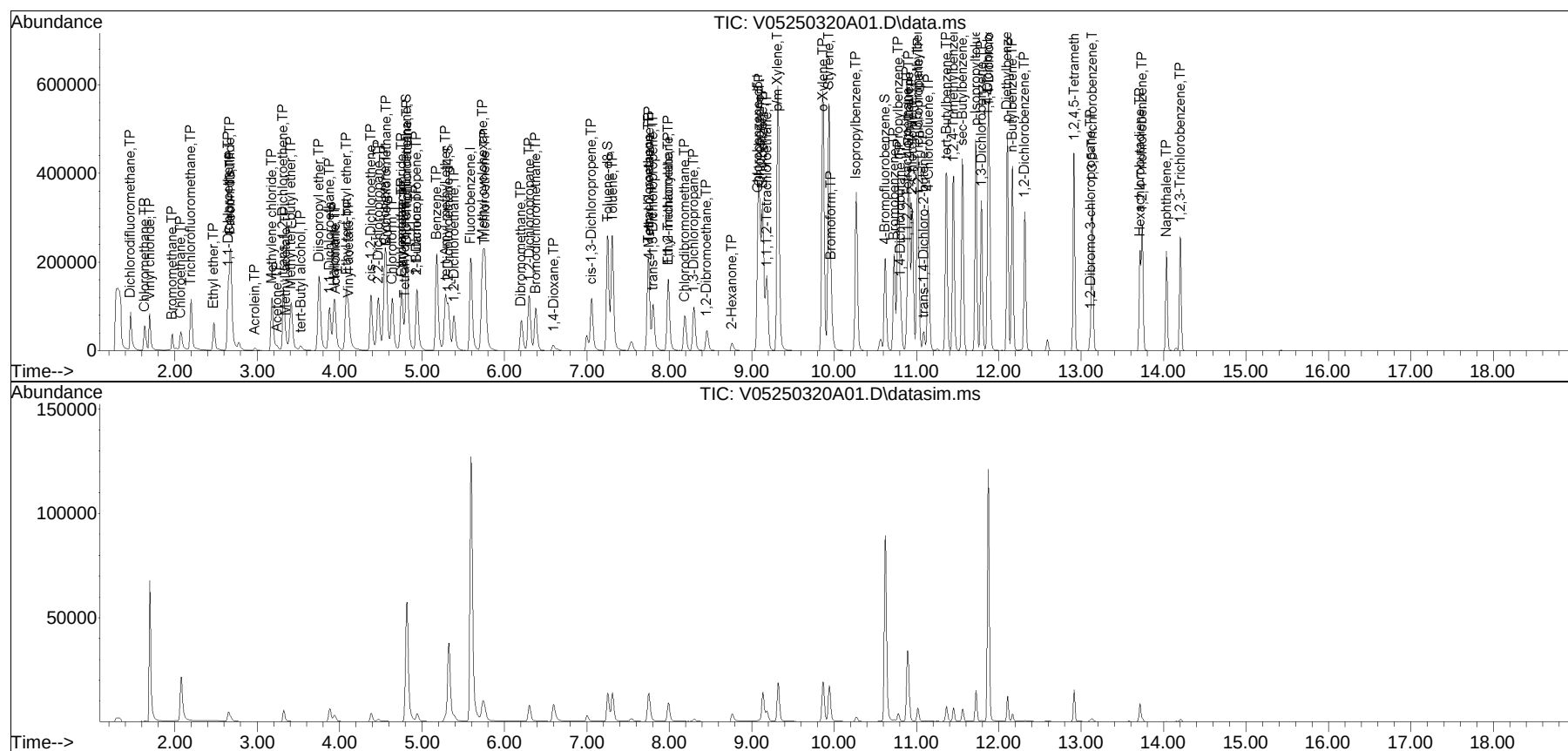
(#) = qualifier out of range (m) = manual integration (+) = signals summed

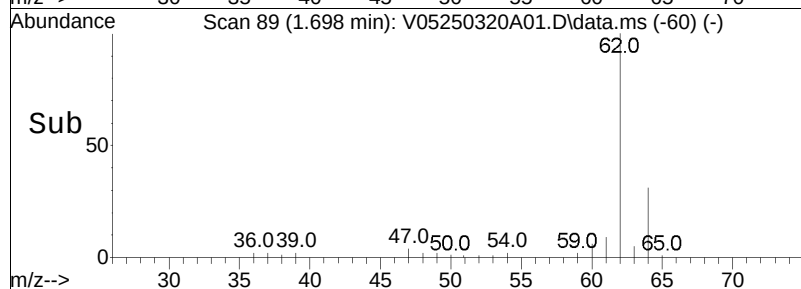
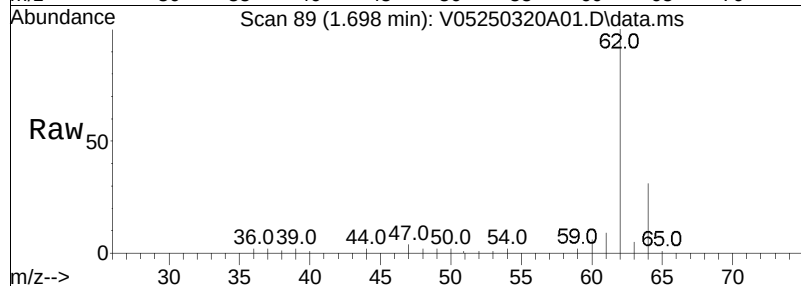
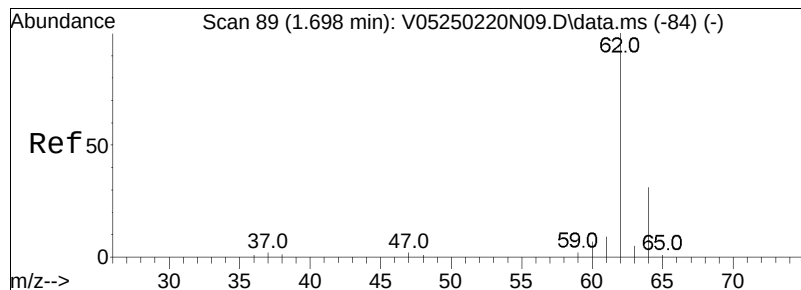
Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
Data File : V05250320A01.D
Acq On : 20 Mar 2025 7:00 am
Operator : VOA105:PID
Sample : WG2043050-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 20 07:37:38 2025
Quant Method : K:\V0A105\2025\250320A\V105_250220N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 21 12:33:29 2025
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane





#4

Vinyl chloride

Concen: 11.97 ug/L

RT: 1.698 min Scan# 89

Delta R.T. 0.000 min

Lab File: V05250320A01.D

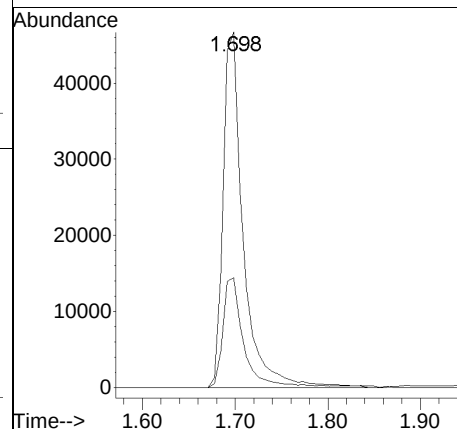
Acq: 20 Mar 2025 7:00 am

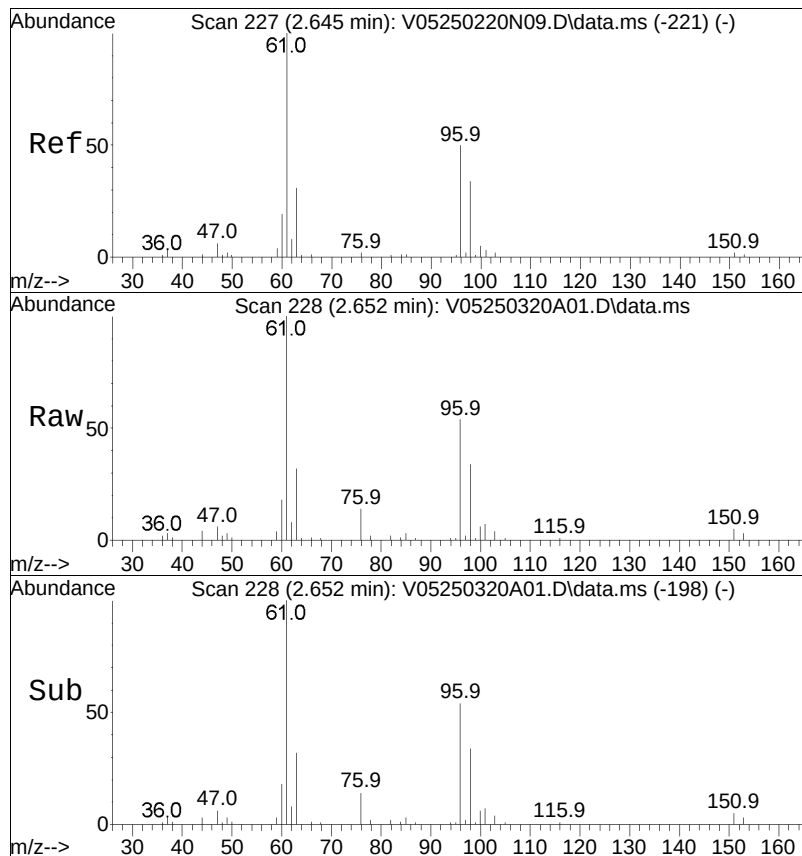
Tgt Ion: 62 Resp: 70337

Ion Ratio Lower Upper

62 100

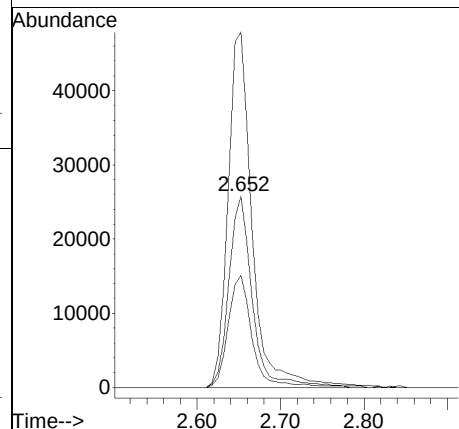
64 31.8 11.0 51.0

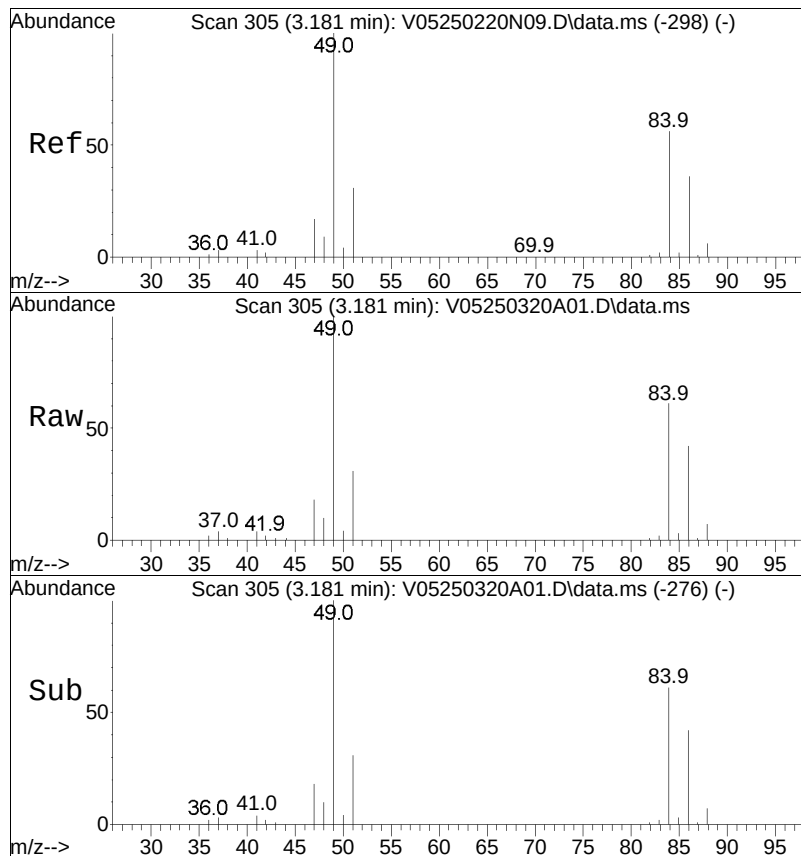




#10
 1,1-Dichloroethene
 Concen: 13.51 ug/L
 RT: 2.652 min Scan# 228
 Delta R.T. 0.007 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

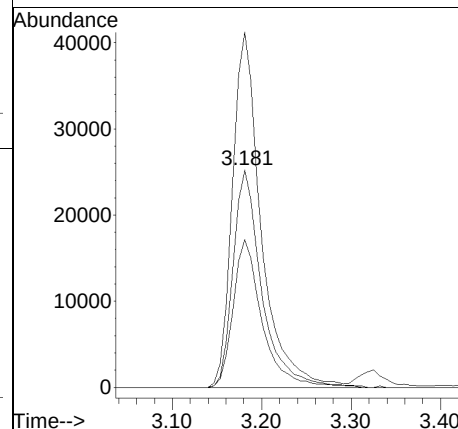
Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.9	156.0	234.0
63	59.3	47.4	71.2

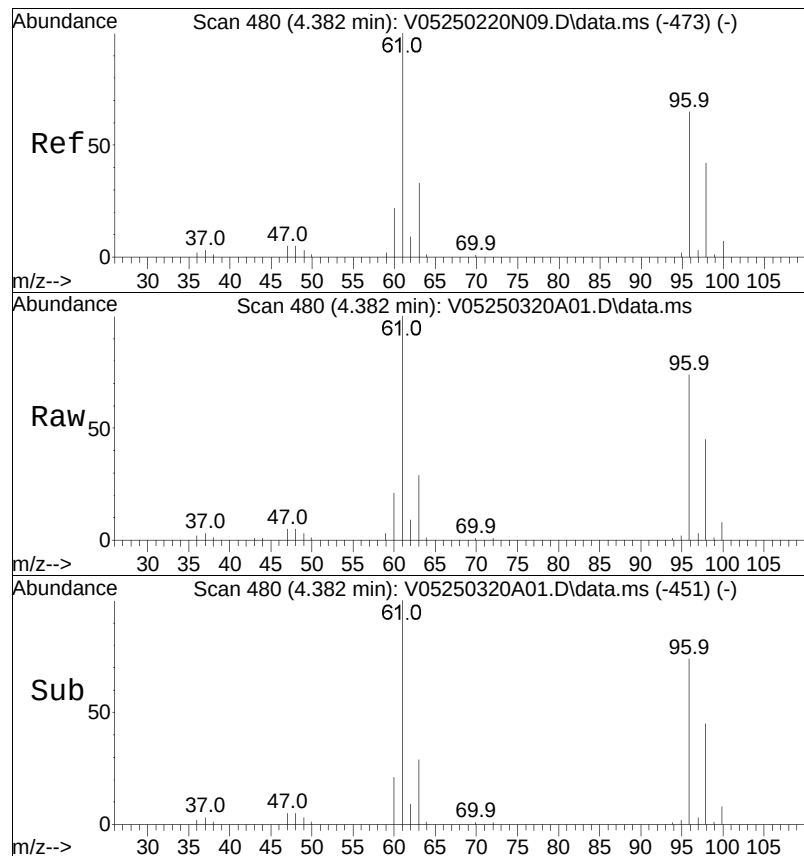




#15
 Methylene chloride
 Concen: 10.53 ug/L
 RT: 3.181 min Scan# 305
 Delta R.T. -0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

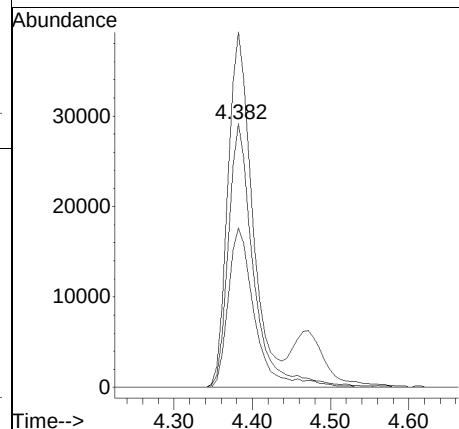
Tgt Ion	Ratio	Lower	Upper
84	100		
86	68.5	41.3	85.7
49	162.8	115.6	240.2

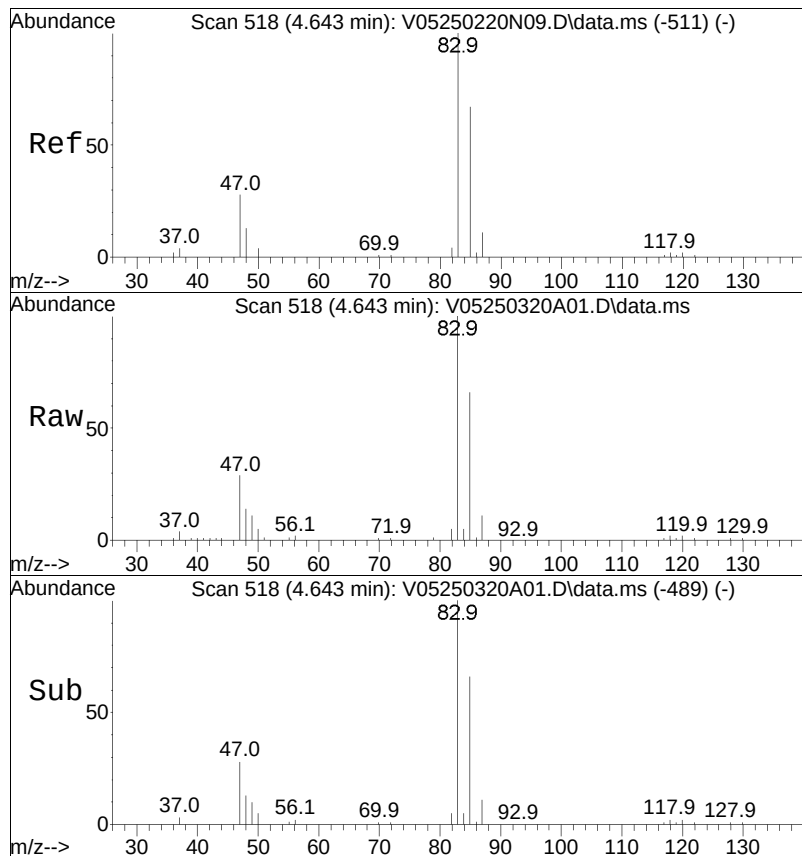




#28
 cis-1,2-Dichloroethene
 Concen: 11.76 ug/L
 RT: 4.382 min Scan# 480
 Delta R.T. 0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

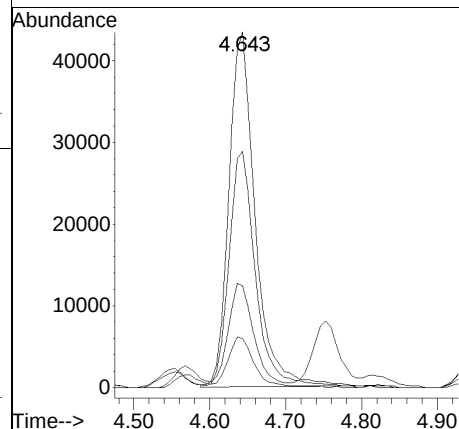
Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.8	117.2	175.8
98	63.5	50.2	75.4

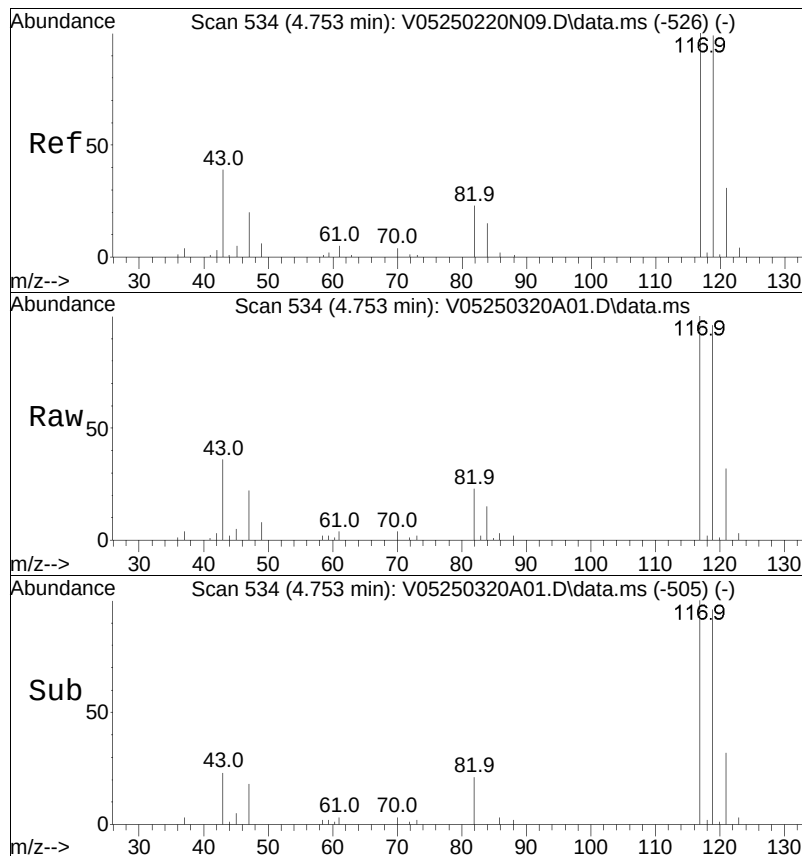




#32
 Chloroform
 Concen: 11.06 ug/L
 RT: 4.643 min Scan# 518
 Delta R.T. -0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

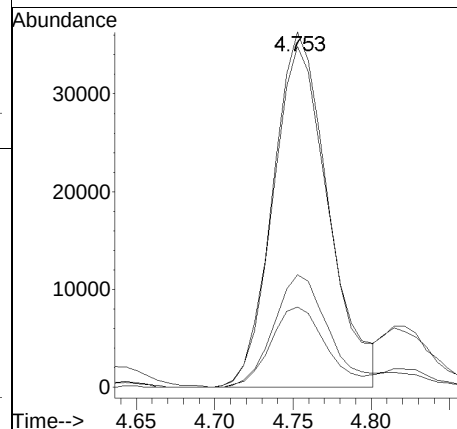
Tgt	Ion: 83	Resp:	104423
Ion	Ratio	Lower	Upper
83	100		
85	67.9	43.0	89.2
47	26.6	17.6	36.6
48	13.1	9.6	19.8

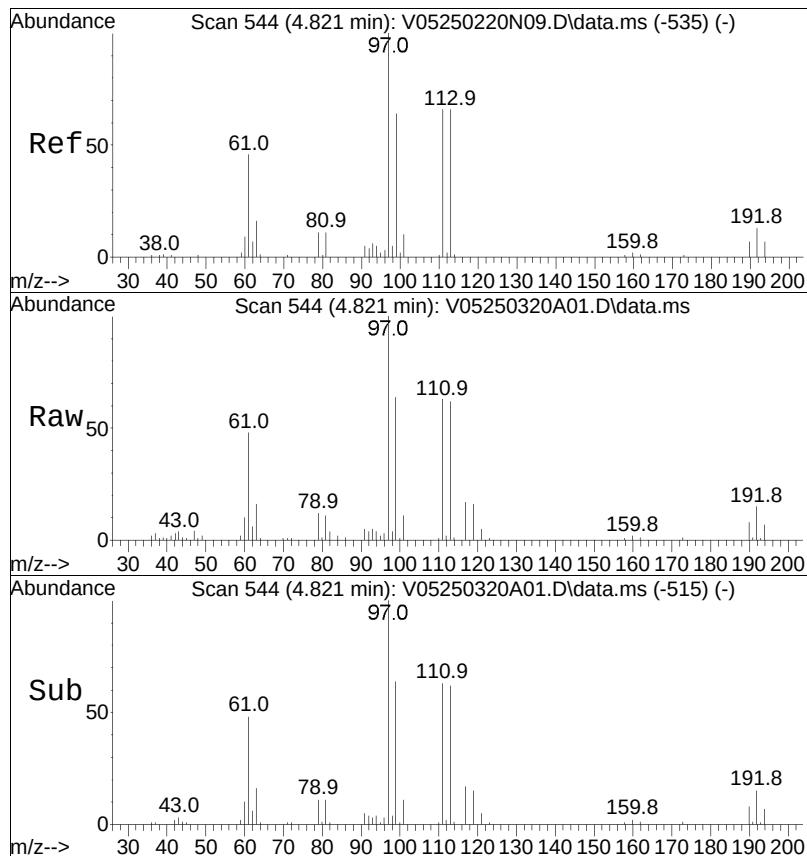




#34
 Carbon tetrachloride
 Concen: 11.42 ug/L
 RT: 4.753 min Scan# 534
 Delta R.T. -0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

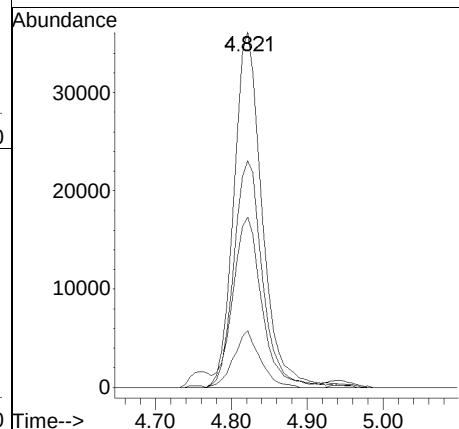
Tgt Ion:	117	Resp:	89886
Ion Ratio	Lower	Upper	
117	100		
119	96.1	64.0	133.0
121	31.3	20.8	43.2
82	22.6	14.6	30.4

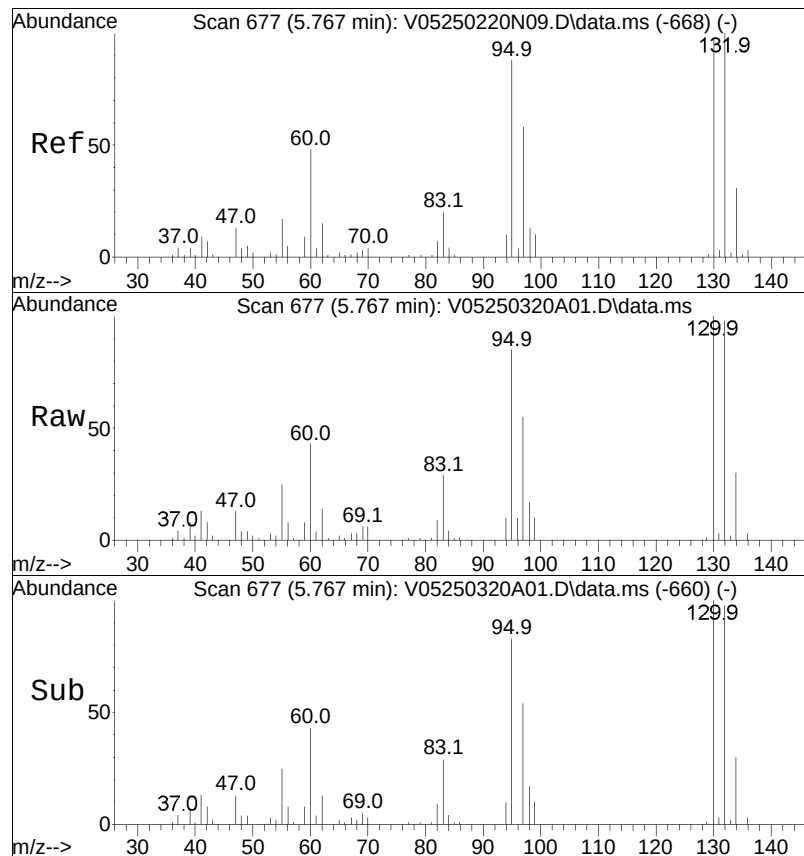




#37
 1,1,1-Trichloroethane
 Concen: 10.99 ug/L
 RT: 4.821 min Scan# 544
 Delta R.T. 0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

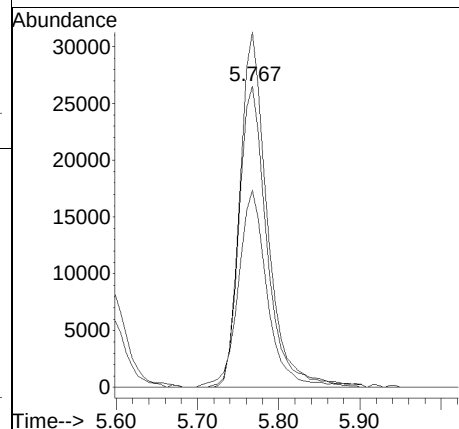
Tgt Ion:	97	Resp:	94233
Ion	Ratio	Lower	Upper
97	100		
99	64.8	41.6	86.4
61	48.8	33.5	69.5
63	14.8	10.1	20.9

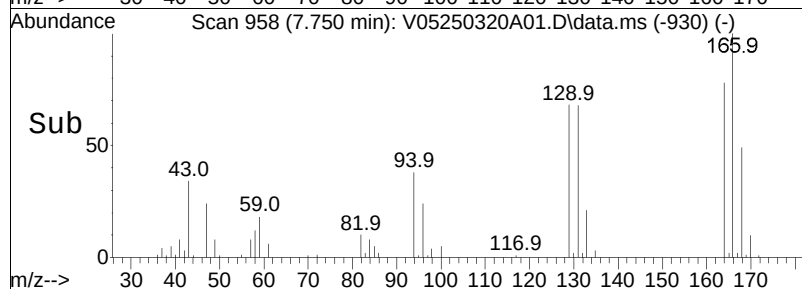
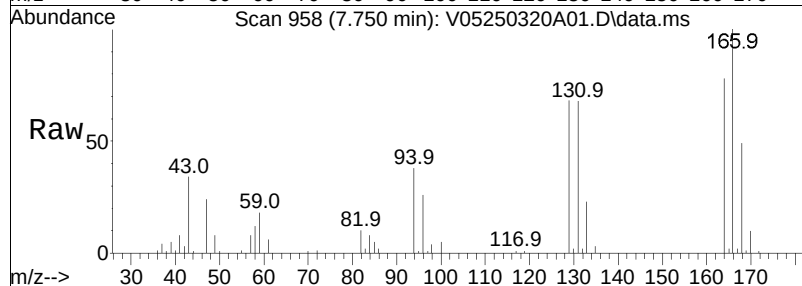
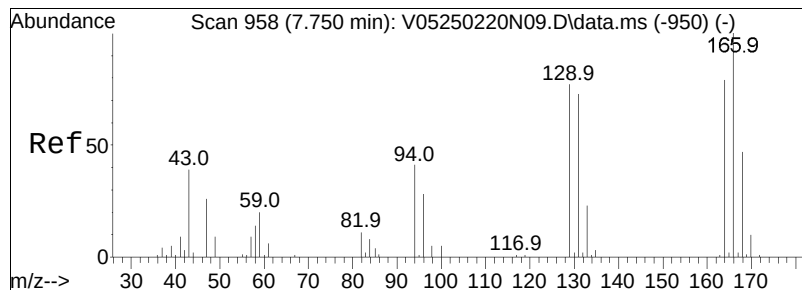




#48
 Trichloroethene
 Concen: 11.57 ug/L
 RT: 5.767 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: V05250320A01.D
 Acq: 20 Mar 2025 7:00 am

Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.6	55.8	83.8
130	115.4	90.5	135.7





#63

Tetrachloroethene

Concen: 11.82 ug/L

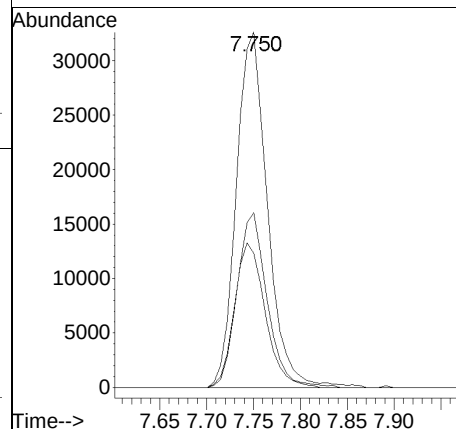
RT: 7.750 min Scan# 958

Delta R.T. 0.000 min

Lab File: V05250320A01.D

Acq: 20 Mar 2025 7:00 am

Tgt	Ion:166	Resp:	75467
Ion	Ratio	Lower	Upper
166	100		
168	47.4	26.3	66.3
94	40.1	23.0	63.0



Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A03.D
 Acq On : 20 Mar 2025 7:51 am
 Operator : VOA105:PID
 Sample : WG2043050-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 20 08:26:06 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA105\2025\250320A\V05250320A01.D
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

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

Internal Standards						
1) Fluorobenzene	5.598	96	226846	10.000	ug/L	0.00
Standard Area 1 = 227962			Recovery	=	99.51%	
59) Chlorobenzene-d5	9.077	117	182909	10.000	ug/L	0.00
Standard Area 1 = 184103			Recovery	=	99.35%	
79) 1,4-Dichlorobenzene-d4	11.868	152	111070	10.000	ug/L	0.00
Standard Area 1 = 111889			Recovery	=	99.27%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.815	113	61549	9.676	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.76%	
43) 1,2-Dichloroethane-d4	5.323	65	69678	9.500	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.00%	
60) Toluene-d8	7.256	98	213275	8.955	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.55%	
83) 4-Bromofluorobenzene	10.616	95	79518	8.955	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.55%	
Target Compounds						Qvalue
4) Vinyl chloride	1.698	62	59466	10.166	ug/L	98
10) 1,1-Dichloroethene	2.653	96	44730	11.944	ug/L	95
15) Methylene chloride	3.181	84	48564	9.095	ug/L	91
28) cis-1,2-Dichloroethene	4.382	96	56502	10.175	ug/L	91
32) Chloroform	4.643	83	90336	9.616	ug/L	99
34) Carbon tetrachloride	4.753	117	77451	9.891	ug/L	98
37) 1,1,1-Trichloroethane	4.822	97	80912	9.480	ug/L	98
48) Trichloroethene	5.768	95	53744	9.771	ug/L	97
63) Tetrachloroethene	7.750	166	64313	10.135	ug/L	98

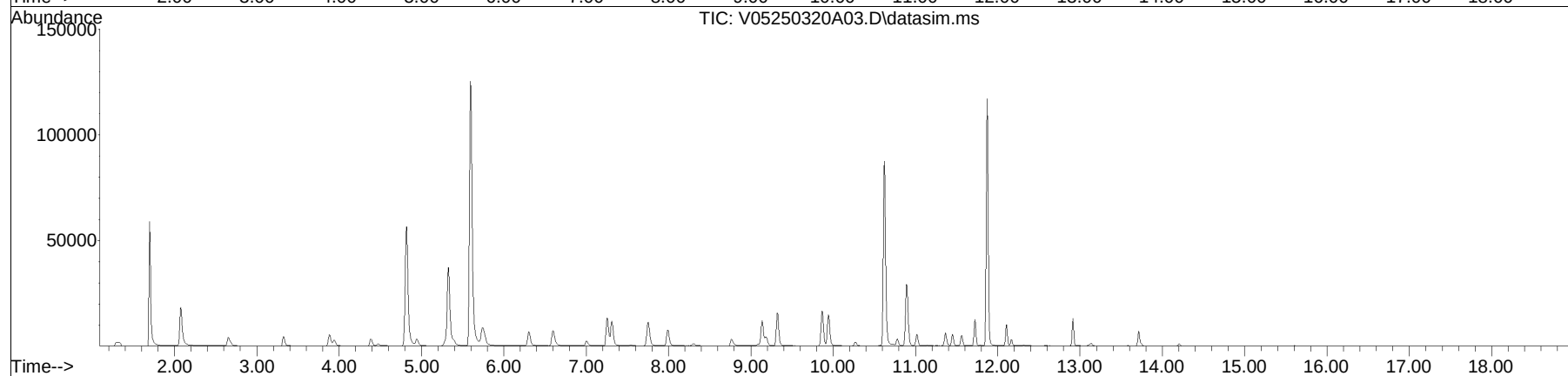
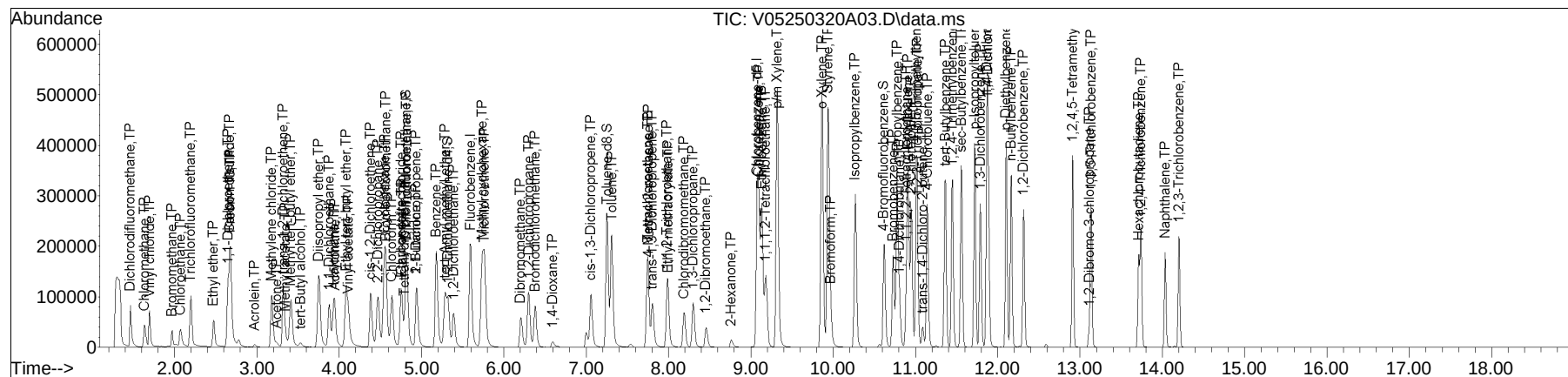
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA105\2025\250320A\
 Data File : V05250320A03.D
 Acq On : 20 Mar 2025 7:51 am
 Operator : VOA105:PID
 Sample : WG2043050-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2043050,ICAL22014 (Sig #1); WG,ICAL22014 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

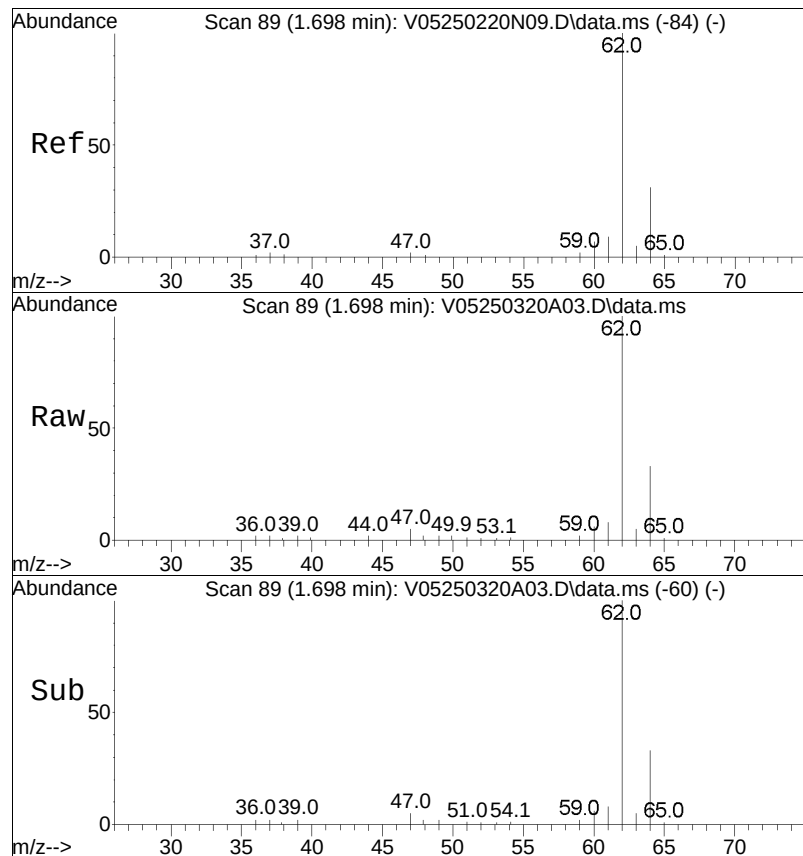
Quant Time: Mar 20 08:26:06 2025
 Quant Method : K:\VOA105\2025\250320A\V105_250220N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Feb 21 12:33:29 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



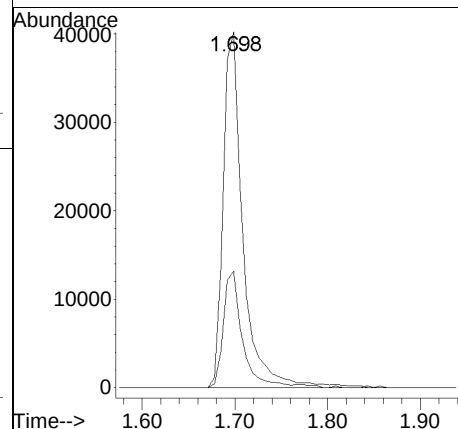
V105_250220N_8260.m Thu Mar 20 13:17:29 2025

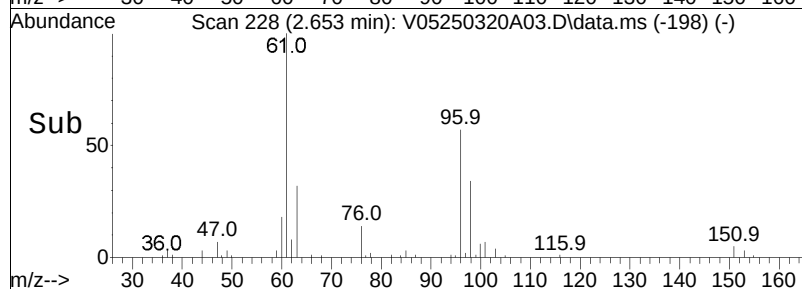
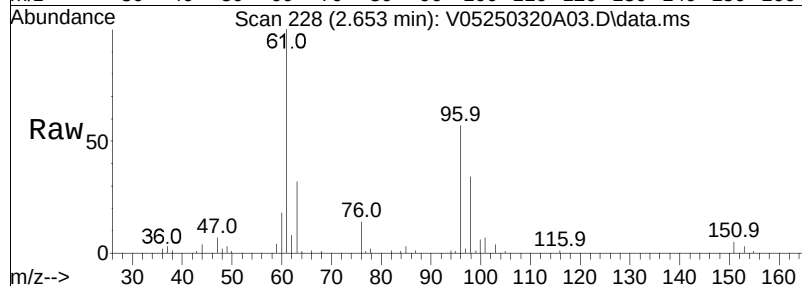
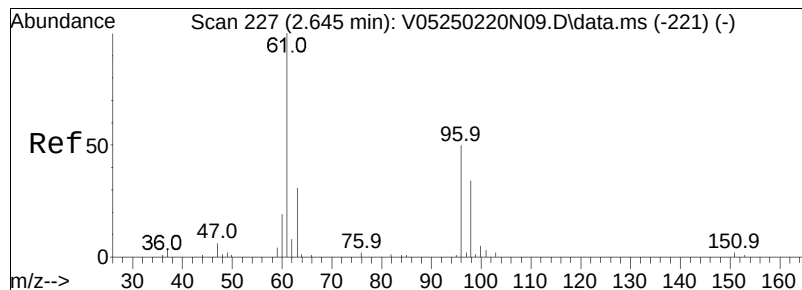
Page: 4



#4
 Vinyl chloride
 Concen: 10.17 ug/L
 RT: 1.698 min Scan# 89
 Delta R.T. 0.000 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

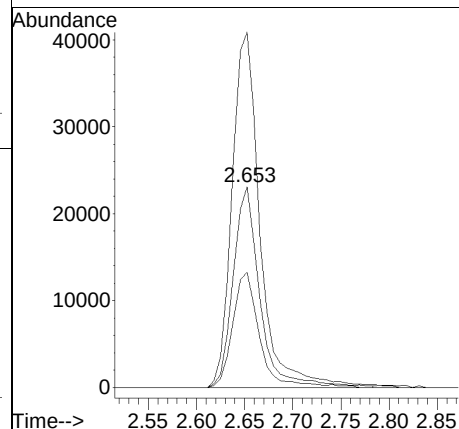
Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	11.0	51.0

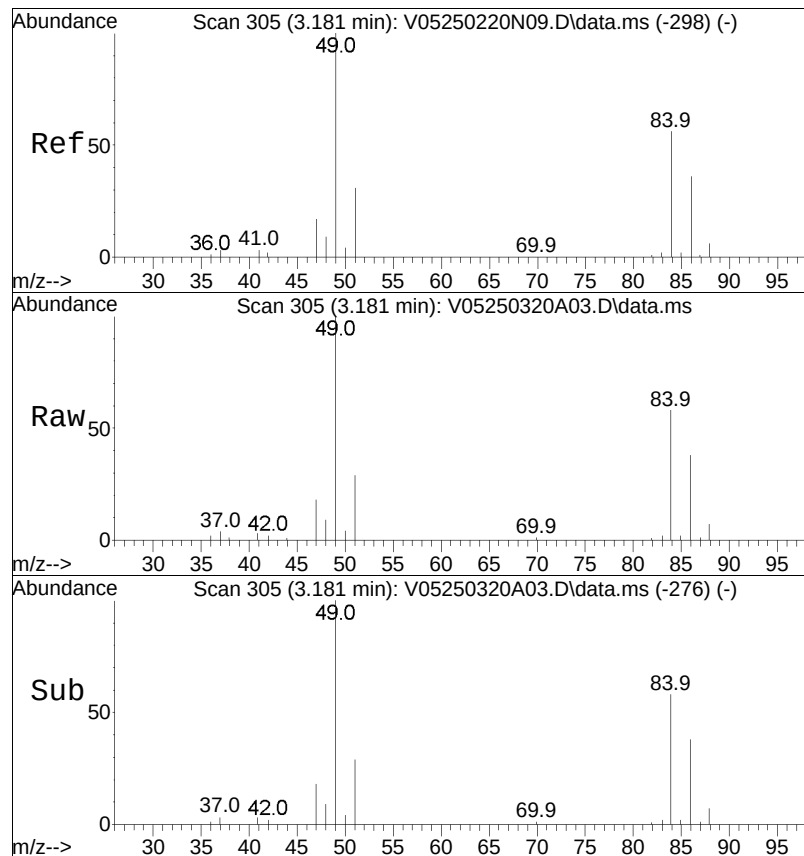




#10
 1,1-Dichloroethene
 Concen: 11.94 ug/L
 RT: 2.653 min Scan# 228
 Delta R.T. 0.008 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

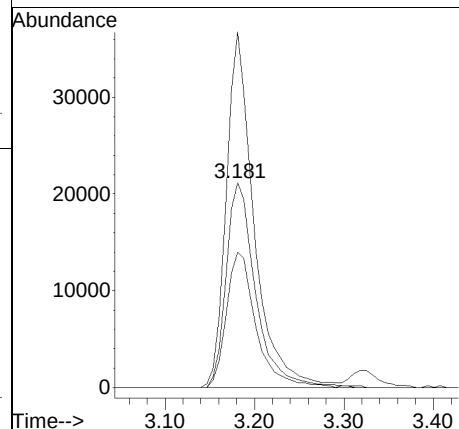
Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	156.0	234.0
63	57.2	47.4	71.2

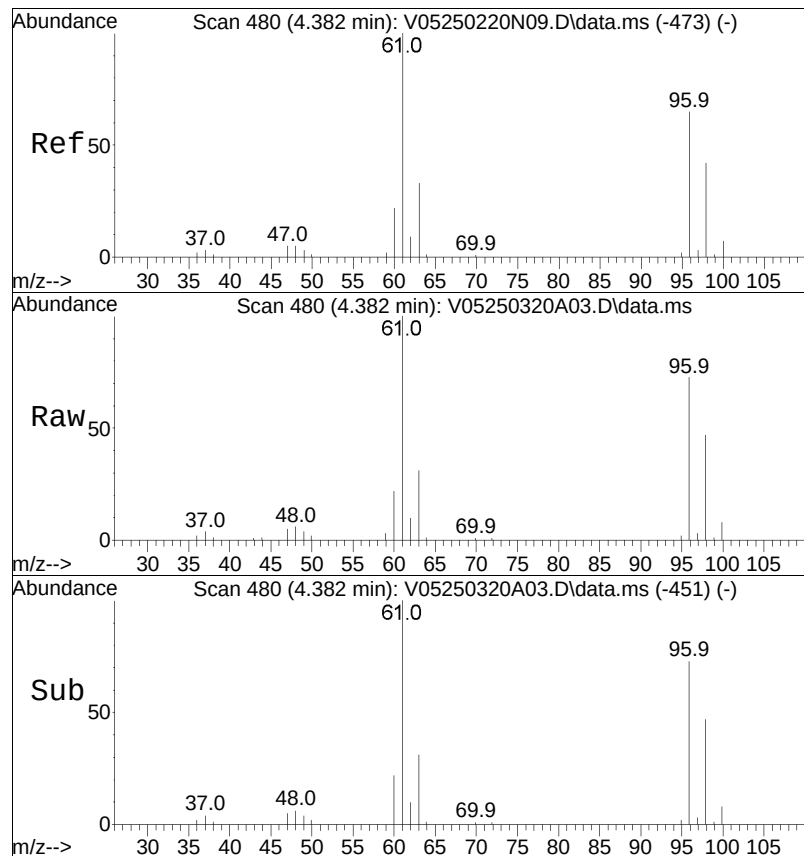




#15
Methylene chloride
Concen: 9.09 ug/L
RT: 3.181 min Scan# 305
Delta R.T. 0.000 min
Lab File: V05250320A03.D
Acq: 20 Mar 2025 7:51 am

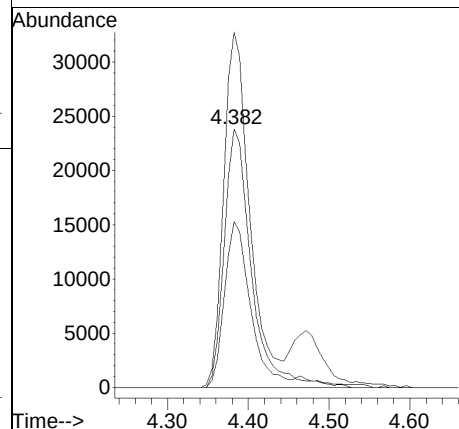
Tgt Ion	Ratio	Lower	Upper
84	100		
86	66.1	41.3	85.7
49	163.1	115.6	240.2

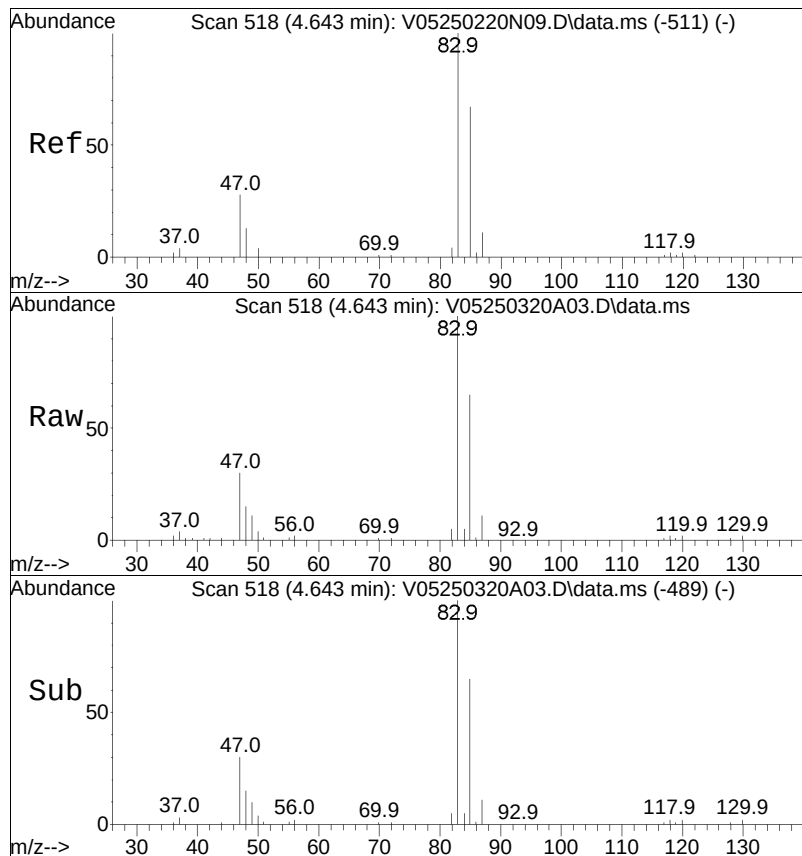




#28
 cis-1,2-Dichloroethene
 Concen: 10.18 ug/L
 RT: 4.382 min Scan# 480
 Delta R.T. 0.000 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

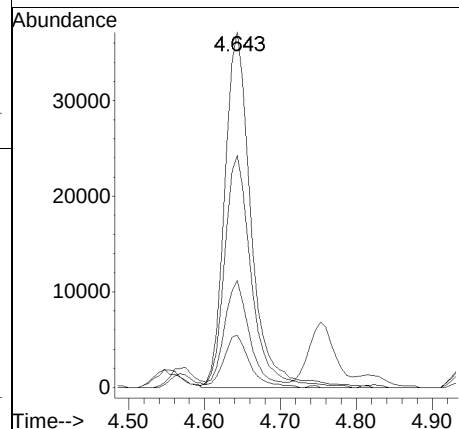
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.8	117.2	175.8
98	64.1	50.2	75.4

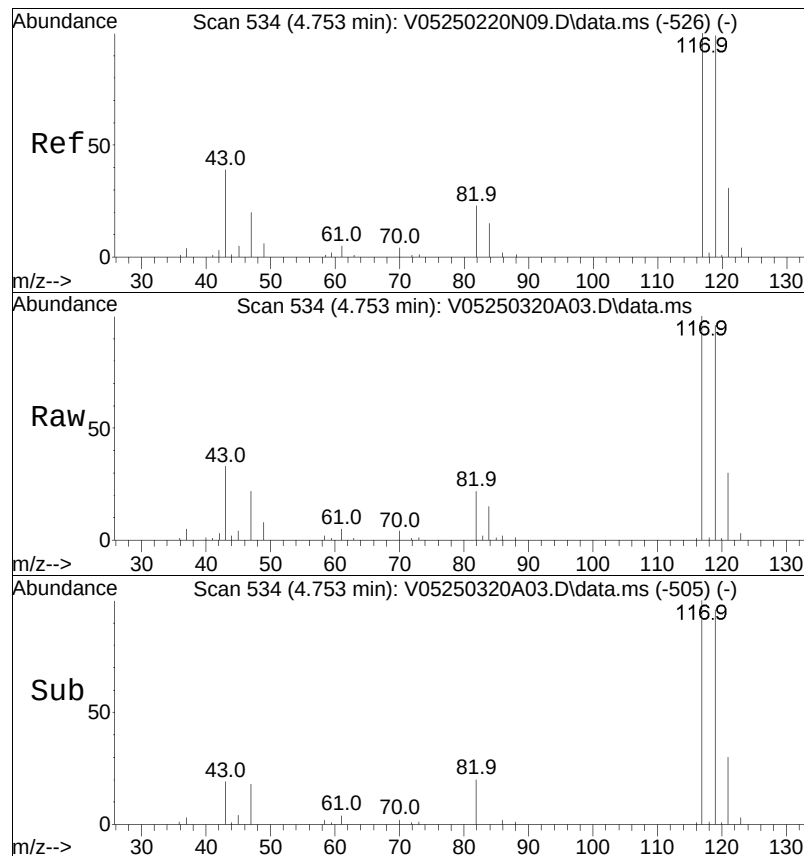




#32
 Chloroform
 Concen: 9.62 ug/L
 RT: 4.643 min Scan# 518
 Delta R.T. 0.000 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

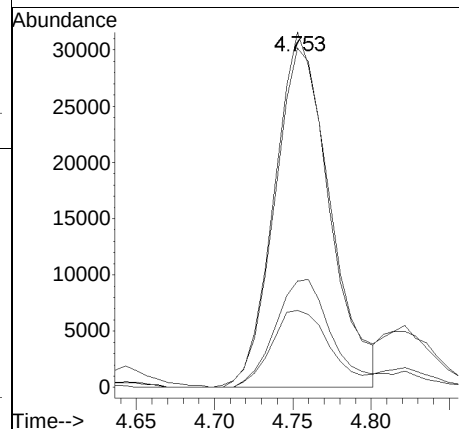
Tgt Ion:	83	Resp:	90336
Ion	Ratio	Lower	Upper
83	100		
85	66.4	43.0	89.2
47	25.6	17.6	36.6
48	14.3	9.6	19.8

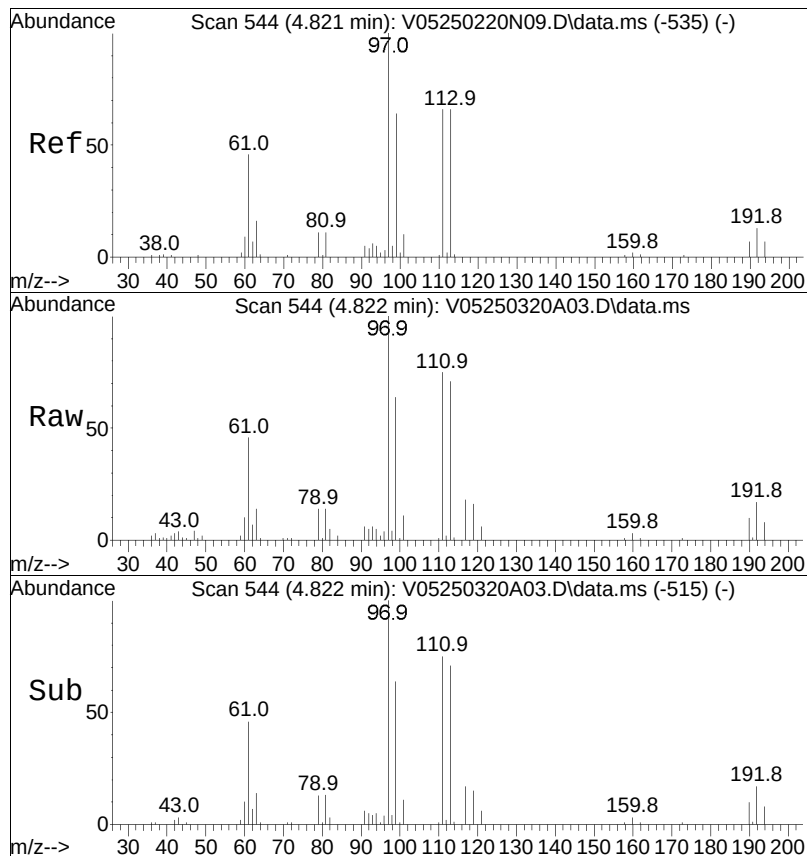




#34
 Carbon tetrachloride
 Concen: 9.89 ug/L
 RT: 4.753 min Scan# 534
 Delta R.T. -0.000 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

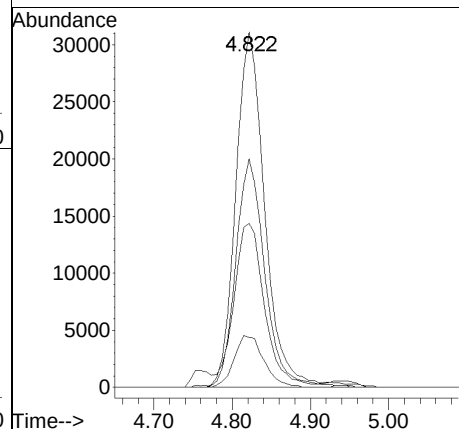
Tgt Ion:	117	Resp:	77451
Ion Ratio	Lower	Upper	
117	100		
119	96.6	64.0	133.0
121	30.9	20.8	43.2
82	23.5	14.6	30.4

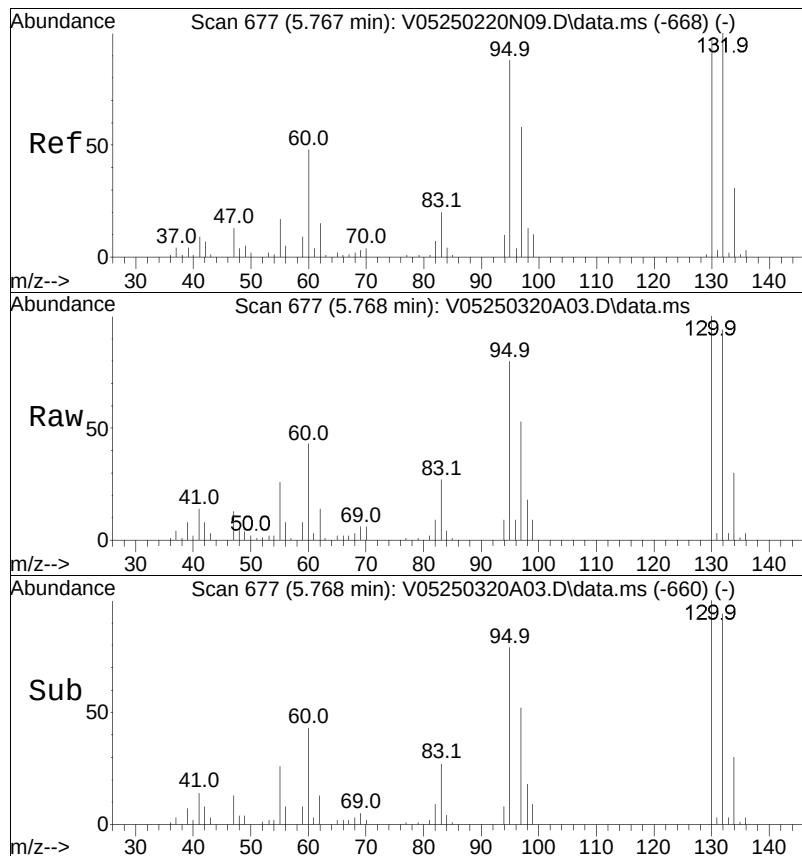




#37
 1,1,1-Trichloroethane
 Concen: 9.48 ug/L
 RT: 4.822 min Scan# 544
 Delta R.T. 0.001 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

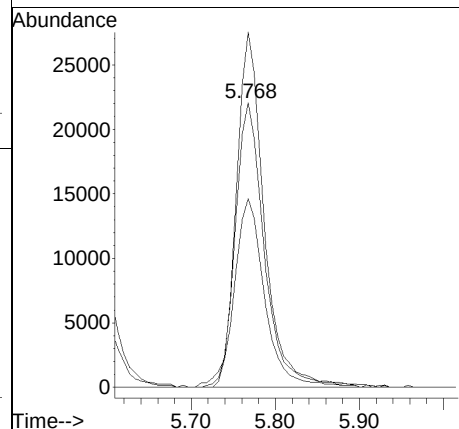
Tgt Ion: 97	Resp: 80912
Ion Ratio	Lower Upper
97 100	
99 64.3	41.6 86.4
61 48.5	33.5 69.5
63 14.9	10.1 20.9

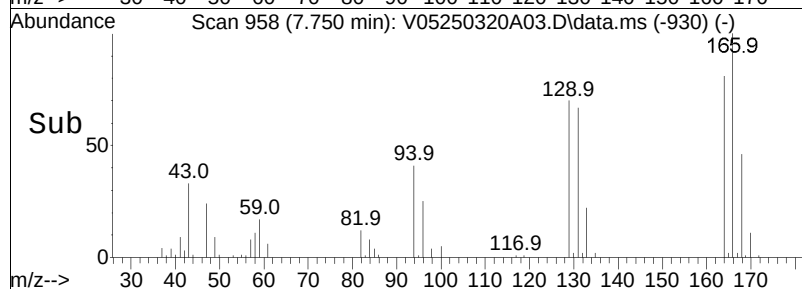
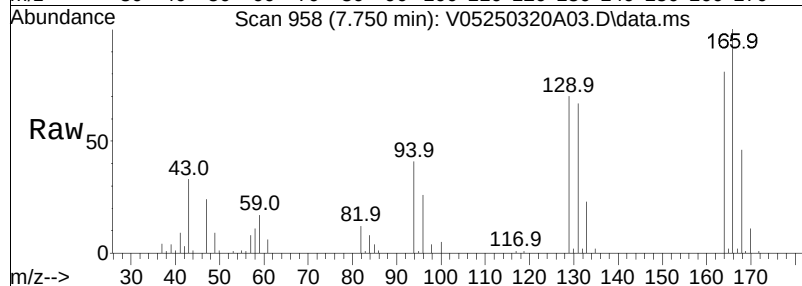
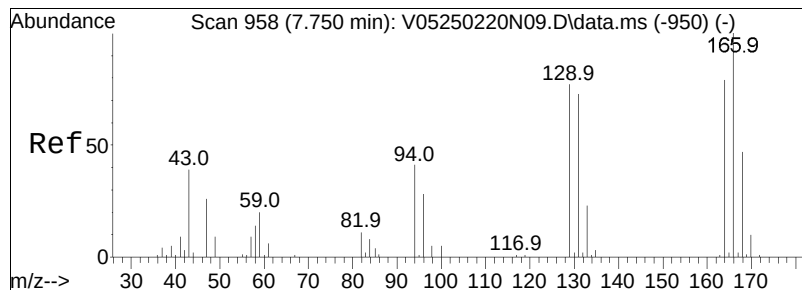




#48
 Trichloroethene
 Concen: 9.77 ug/L
 RT: 5.768 min Scan# 677
 Delta R.T. 0.001 min
 Lab File: V05250320A03.D
 Acq: 20 Mar 2025 7:51 am

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	53744		
97	69.2		55.8	83.8
130	117.9		90.5	135.7





#63

Tetrachloroethene

Concen: 10.14 ug/L

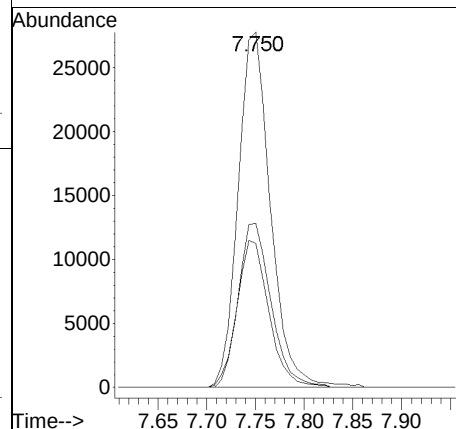
RT: 7.750 min Scan# 958

Delta R.T. 0.000 min

Lab File: V05250320A03.D

Acq: 20 Mar 2025 7:51 am

Tgt Ion:	166	Resp:	64313
Ion Ratio	Lower	Upper	
166	100		
168	46.8	26.3	66.3
94	40.8	23.0	63.0



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 20 2025, 05:13 pm

Work Group: WG2043050 for Department: 31 GC/MS - Volatiles

Created: 20-MAR-25 Due: Operator: PID

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2514879-01	MW-7_20250314	S NYTCL-8260	WATER	DONE	U	0328	0321	S0	Vial-B
L2514879-02	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0328	0321	S0	Vial-B
WG2043050-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2043050-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2043050-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2043050-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2043050-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG2043050-4	WG2043050-3								

Method

GC: 8260

Autosampler: 8260wate

Concentrator: 8260



Inst: VOA105

BFB: V10950

Initials: TMS

IS/SS: V10966

Date: 02/20/25

ICAL: V10972A,V10970

Run: N

ICV: V10953,V10926,V10954,V10927,V10928,V10929

QC: _____ Seq: _____

Vial	Data File	Sample	
1	V05250220NBF1	BFB TUNE	
1	V05250220N01	BLK	
2	V05250220N02	BLK	
3	V05250220N03	I8260STD0.19PPB	
4	V05250220N04	I8260STD0.19PPB	
5	V05250220N05	I8260STD0.5PPB	
6	V05250220N06	I8260STD0.5PPB	
7	V05250220N07	I8260STD2PPB	
8	V05250220N08	I8260STD2PPB	
9	V05250220N09	I8260STD10PPB	
10	V05250220N10	I8260STD30PPB	
11	V05250220N11	I8260STD80PPB	
12	V05250220N12	I8260STD120PPB	
13	V05250220N13	I8260STD200PPB	
14	V05250220N14	BLK	
15	V05250220N15	BLK	
16	V05250220N16	BLK	
17	V05250220N17	BLK	
18	V05250220N18	C8260STD10PPB	
19	V05250220N19	C8260STD10PPB	
20	V05250220N20	BLK	
21	V05250220N21	BLK	
22	V05250220N22	METHOD BLK	
23	V05250220N23	MDL 0.19PPB	
24	V05250220N24	MDL 0.19PPB	
25	V05250220N25	MDL 0.19PPB	
26	V05250220N26	MDL 0.5PPB	
27	V05250220N27	MDL 2PPB	
28	V05250220N28	BLK	
29	V05250220N29	BLK	
30	V05250220N30	BLK	
31	V05250220N31	BLK	
32	V05250220N32	BLK	

Method

GC: 8260

Autosampler: 8260wate

Concentrator: 8260



Inst: VOA105

BFB: V10998

Initials: PID

IS/SS: V11013

Date: 03/20/25

ICAL: V11008A,V11016

Run: A

QC: _____ Seq: _____

Vial	Data File	Sample		
1	V05250320ABF1	BFB TUNE 06:47		
1	V05250320A01	8260 CCAL LCS		
2	V05250320A02	8260 CCAL QC FAILS		
3	V05250320A03	8260 CCAL LCSD		
4	V05250320A04	BLK		
5	V05250320A05	METHOD BLK		
6	V05250320A06	L2514720-02,31,10,10,,C 8260		pH<2
7	V05250320A07	L2514424-01D,31,1.0,10,,A 8260	HEAVY OIL	pH<2
8	V05250320A08	L2514424-02,31,10,10,,A 8260		pH<2
9	V05250320A09	L2514720-15,31,10,10,,A 8260		pH<2
10	V05250320A10	L2514720-16,31,10,10,,A 8260		pH<2
11	V05250320A11	L2514720-17,31,10,10,,A 8260		pH<2
12	V05250320A12	L2516146-01,31,10,10,,A NYTCL/10		pH<2
13	V05250320A13	L2514879-01,31,10,10,,A NYTCL		pH<2
14	V05250320A14	L2514879-02,31,10,10,,A NYTCL	TB	pH<2
15	V05250320A15	L2514952-01D,31,1.0,10,,A NJ/15/TBA		pH<2
16	V05250320A16	L2514952-04,31,10,10,,A NJ/15/TBA		
17	V05250320A17	L2514952-03,31,10,10,,A NJ/15/TBA		
18	V05250320A18	L2514952-02D,31,2.0,10,,A NJ/15/TBA	SHEEN	pH<2
19	V05250320A19	D6		
20	V05250320A20	L2514834-01,31,10,10,,A NJ/TICs	TB	
21	V05250320A21	L2514834-02,31,10,10,,A NJ/TICs	FB	
22	V05250320A22	L2514834-03,31,10,10,,A NJ/TICs		
23	V05250320A23	L2514834-06,31,10,10,,A NJ/TICs		
24	V05250320A24	L2514834-05,31,10,10,,A NJ/TICs		
25	V05250320A25	L2514834-04,31,10,10,,A NJ/TICs		
26	V05250320A26	L2514807-05,31,10,10,,A NJ/TICs		
27	V05250320A27	L2514952-01DUP,31,1.0,10,,A NJQC		pH<2
28	V05250320A28	L2514952-01MS,31,1.0,10,,A NJQC		pH<2
29	V05250320A29	HBM		
30	V05250320A30	BLK		
31	V05250320A31	BLK		

APPENDIX B
March 2025 Groundwater Monitoring Purge Logs



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	340 Myrtle Ave	H&A FILE NO.	0210873
LOCATION	340 Myrtle Ave, Brooklyn NY	PROJECT MGR.	Matt Levy
CLIENT	Brooklyn Builders	FIELD REP	Z. Richards
CONTRACTOR	H&A	DATE	3/13/2025

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-3I	Well Volume:	1.085003686	gal	Start Time:	10:45
Well Depth:	47.93	ft	Equipment:	Monsoon Pump Hurricane Pro	Sample Time:	11:30
Depth to Water:	41.16	ft				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
10:45	0.5	15.08	0.814	5.7	7.17	127	170	
10:50	0.75	15.96	0.827	3	7.32	118	40.3	
10:55	1	16.53	0.844	1.9	7.18	118	17.2	
11:00	1.25	15.56	0.858	1.61	7.45	104	14.7	
11:05	1.5	16.6	0.864	1.2	7.19	110	12.3	
11:10	1.75	16.03	0.87	1.23	7.35	104	5	
11:15	2	17.14	0.873	1	7.28	108	4.3	
11:20	2.25	16.8	0.899	0.86	7.26	106	1.4	
11:25	2.5	16.45	0.907	0.78	7.32	99	1	
11:30	2.75	16.86	0.909	0.77	7.33	99	0.9	

Notes: MS/MSD



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	340 Myrtle Ave	H&A FILE NO.	0210873
LOCATION	340 Myrtle Ave, Brooklyn NY	PROJECT MGR.	Matt Levy
CLIENT	Brooklyn Builders	FIELD REP	Z. Richards
CONTRACTOR	H&A	DATE	3/13/2025

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-6	Well Volume:	1.480860501	Start Time:	13:10
Well Depth:	50.5	Equipment:	Monsoon Pump Hurricane Pro	Sample Time:	13:45
Depth to Water:	41.26				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
13:10	0.25	14.95	1.38	6.02	7.3	156	800	
13:15	0.5	15.84	1.39	3.58	6.89	161	290	
13:20	0.75	15.69	1.39	2.86	6.85	159	93.1	
13:25	1	15.73	1.38	2.81	6.8	159	55.1	
13:30	1.25	16.05	1.37	2.82	6.72	163	26.1	
13:35	1.5	16.37	1.37	2.79	6.72	161	19	
13:40	1.75	16.45	1.37	2.75	6.67	162	12.9	

Notes: Duplicate



LOW-FLOW GROUNDWATER SAMPLING RECORD

PROJECT	340 Myrtle Ave	H&A FILE NO.	0210873
LOCATION	340 Myrtle Ave, Brooklyn NY	PROJECT MGR.	Matt Levy
CLIENT	Brooklyn Builders	FIELD REP	Z. Richards
CONTRACTOR	H&A	DATE	3/13/2025

GROUNDWATER SAMPLING INFORMATION

Well ID:	MW-4	Well Volume:	1.251679709	Start Time:	14:45
Well Depth:	58.92	Equipment:	Monsoon Pump Hurricane Pro	Sample Time:	15:30
Depth to Water:	51.11				

GROUNDWATER QUALITY PARAMETERS

Time	Volume purged, gallons or liters (circle one)	Temp, C (+/-3%)	Conductivity, us/cm (+/- 3%)	Dissolved Oxygen, mg/L (+/- 10%)	pH (+/-0.1)	ORP/eH, mv (+/-10mv)	Turbidity, NTU (<5 NTU)	Depth to Water (ft)
14:45	0.5	15.84	0.992	8	7.4	123	52.9	
14:50	0.75	15.91	0.975	6.05	7.35	127	50.2	
14:55	1	16.18	9.64	5.5	7.53	119	35.5	
15:00	1.25	16.21	0.962	5.3	7.31	124	13	
15:05	1.5	16.3	0.96	4.97	7.62	115	12.1	
15:10	1.75	16.36	0.957	4.85	7.56	119	10.9	
15:15	2	16.45	0.957	5.05	7.34	133	11.1	
15:20	2.25	16.53	0.955	4.89	7.33	142	10.7	
15:25	2.5	16.62	0.959	4.85	7.3	141	3.5	

Notes:



GROUNDWATER SAMPLING INFORMATION

GROUNDWATER QUALITY PARAMETERS

Notes: