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# Alpha Analytical

## Laboratory Code: 11148

**SDG Number: L2319240**

# Table of Contents

# Table of Contents

# Table of Contents

**Project Name:** TROY BELTING
**Project Number:** 2011-31 TASK 911

**Lab Number:** L2319240
**Report Date:** 04/24/23

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|---|---|---|---|---|---|
| L2319240-01 | MW-7D | WATER | COLONIE, NY | 04/11/23 08:35 | 04/11/23 |
| L2319240-02 | MW-7S | WATER | COLONIE, NY | 04/11/23 09:30 | 04/11/23 |
| L2319240-03 | MW-8S | WATER | COLONIE, NY | 04/11/23 10:30 | 04/11/23 |
| L2319240-04 | MW-6D' | WATER | COLONIE, NY | 04/11/23 12:10 | 04/11/23 |
| L2319240-05 | MW-6D | WATER | COLONIE, NY | 04/11/23 13:50 | 04/11/23 |
| L2319240-06 | MW-6S | WATER | COLONIE, NY | 04/11/23 13:00 | 04/11/23 |
| L2319240-07 | MW-4S | WATER | COLONIE, NY | 04/11/23 14:45 | 04/11/23 |
| L2319240-08 | DUP04112023 | WATER | COLONIE, NY | 04/11/23 00:00 | 04/11/23 |
| L2319240-09 | TB04112023 | WATER | COLONIE, NY | 04/11/23 00:00 | 04/11/23 |

## 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 Alpha 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, Alpha'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 Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

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

**Case Narrative (continued)**

Report Submission

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

Volatile Organics

The WG1769022-6/-7 MS/MSD recoveries, performed on L2319240-05, are outside the acceptance criteria for cis-1,2-dichloroethene (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

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

Authorized Signature: Tiffani Morrissey Report Date: 04/24/23

Title: Technical Director/Representative

## 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

***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

***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).

**ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

## 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

Alpha Job Number : L2319240

Account Name : Sterling Environmental Engineering
Project Number : 2011-31 TASK 911
Project Name : TROY BELTING

Received : 11-APR-2023
Reviewer : Monique Irving

## Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

## Cooler Information

| Cooler | Seal/Seal# | Preservation | Temperature(°C) | Additional Information |
|---|---|---|---|---|
| B | Absent/ | Ice | 4.8 | |

## 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** |

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 24 2023, 07:47 pm

Login Number: L2319240
Account: STERLINGENV Sterling Environmental EngineeringProject: 2011-31 TASK 911
Received: 11APR23 Due Date: 02MAY23

| Sample # | Client ID | Mat | PR | Collected |
|---|---|---|---|---|
| L2319240-01 | MW-7D | 1 | S0 | 11APR23 08:35 |
| 8260 report list built (TCL). ASP-B Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,ASP-B,E&I-FEE,NYTCL-8260-R2 | | | | |
| L2319240-02 | MW-7S | 1 | S0 | 11APR23 09:30 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | |
| L2319240-03 | MW-8S | 1 | S0 | 11APR23 10:30 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | |
| L2319240-04 | MW-6D' | 1 | S0 | 11APR23 12:10 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | |
| L2319240-05 | MW-6D | 1 | S0 | 11APR23 13:50 |
| 8260 report list built (TCL). L2319240-05 MS L2319240-05 MSD Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,MS/MSD,NYTCL-8260-R2 | | | | |
| L2319240-06 | MW-6S | 1 | S0 | 11APR23 13:00 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | |
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | |
| L2319240-07 | MW-4S | 1 | S0 | 11APR23 14:45 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | |

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 24 2023, 07:47 pm

Login Number: L2319240

Account: STERLINGENV Sterling Environmental EngineeringProject: 2011-31 TASK 911
Received: 11APR23 Due Date: 02MAY23

| Sample # | Client ID | | Mat | PR | Collected |
|---|---|---|---|---|---|
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | | |
| L2319240-08 | DUP04112023 | | S0 | 1 | 11APR23 00:00 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | | |
| A2-1,4-DIOXANE-SIM,NYTCL-8260-R2 | | | | | |
| L2319240-09 | TB04112023 | | S0 | 1 | 11APR23 00:00 |
| 8260 report list built (TCL). Package Due Date: 05/02/23 | | | | | |
| NYTCL-8260-R2 | | | | | |



Logged By: Monique Irving

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/12/23

ALPHA Job #: L2319240

**Client Information**
Client: Sterling ENV
Address: 240 Wade Rd
Latham NY 12110
Phone: 518 456-4900
Fax:
Email:

**Project Information**
Project Name: Troy Belting
Project Location: Colonie, NY
Project # 2011-31 Task 911
(Use Project name as Project #) ☐
Project Manager: Andrew Millspaugh
ALPHAQuote #:

**Turn-Around Time**
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

**Deliverables**
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

**Regulatory Requirement**
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

**Billing Information**
☒ Same as Client Info
PO #

**Disposal Site Information**
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**
andrew.millspaugh@sterlingenvironmental.com
paul.scholar@sterlingenvironmental.com

**Please specify Metals or TAL.**

**ANALYSIS**
VOCs EPA 8260C
1,4 Dioxane 8270 SIM

**Sample Filtration**
☐ Done
☐ Lab to do
**Preservation**
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | VOCs | 1,4 Dioxane | Total Bottle | Sample Specific Comments |
|---|---|---|---|---|---|---|---|---|---|
| 19240-01 | MW-7D | 4-11-2023 | 835 | GW | PWS | X | X | 5 | |
| -02 | MW-7S | | 930 | | | X | X | 5 | |
| -03 | MW-8S | | 1030 | | | X | X | 5 | |
| -04 | MW-6D | | 1210 | | | X | X | 5 | |
| -05 | MW-6D | | 1350 | | | X | X | 5 | |
| -06 | MW-6S | | 1300 | | | X | X | 5 | |
| -07 | MW-4S | | 1445 | | | X | X | 5 | |
| -05 | MW-6D MS | | 1355 | | | X | X | 5 | |
| -05 | MW-6D MSD | | 1400 | | | X | X | 5 | |
| -08 | DUP04112023 | ↓ | — | ↓ | ↓ | X | X | 5 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Container Type | | ✓ | A | | | | | | |
| Preservative | | B | A | | | | | | |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 4-11-23 1615 | | 4/11/23 1618 |
| | 4/11/23 1625 | | 4/12/23 0030 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

# NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

**Service Centers**
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/12/23

ALPHA Job #: L2319240

## Client Information

Client: Sterling ENV
Address: 24 Wade Rd
Latham NY 12110
Phone: 518 456-4900
Fax:
Email:

## Project Information

Project Name: Troy Belting
Project Location: Colonie, NY
Project #: 2011-31 Task 911
(Use Project name as Project #) ☐
Project Manager: Andrew Millspaugh
ALPHAQuote #:

## Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

## Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

## Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

## Billing Information

☒ Same as Client Info
PO #

## Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

**Other project specific requirements/comments:**

andrew.millspaugh@sterlingenvironmental.com
paul.scholar@sterlingenvironmental.com

**Please specify Metals or TAL.**

## ANALYSIS

EPA 8260 VOCs

**Sample Filtration**
☐ Done
☐ Lab to do
**Preservation**
☐ Lab to do
*(Please Specify below)*

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | EPA 8260 VOCs | Sample Specific Comments | Total Bottle |
|---|---|---|---|---|---|---|---|---|
| 19240-09 | TB04112023 | 4-11-2023 | -- | LW | PWS | X | | 2 |

Preservative Code:
A = None
B = HCl
C = $HNO_3$
D = $H_2SO_4$
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Container Type | V | | | | | | | | | |
| Preservative | B | | | | | | | | | |

| Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|
| | 4-11-23 1615 | | 4/11/23 1618 |
| | 4/11/23 1625 | | 4/12/23 0050 |

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

# Organics

# GC/MS 8260
# Analysis

# Volatiles QC Summary

# Surrogate Recovery Summary
# Form 2
# Volatiles

**Client: Sterling Environmental Engineering**
**Project Name: TROY BELTING**

**Lab Number: L2319240**
**Project Number: 2011-31 TASK 911**
**Matrix: Water**

| CLIENT ID (LAB SAMPLE NO.) | SMC1 DCA | SMC2 TOL | SMC3 BFB | SMC4 DBFM | TOT OUT |
|---|---|---|---|---|---|
| MW-7D (L2319240-01) | 118 | 98 | 101 | 118 | 0 |
| MW-7S (L2319240-02) | 113 | 96 | 104 | 118 | 0 |
| MW-8S (L2319240-03) | 117 | 94 | 102 | 117 | 0 |
| MW-6D' (L2319240-04) | 118 | 95 | 101 | 118 | 0 |
| MW-6D (L2319240-05D) | 117 | 96 | 102 | 115 | 0 |
| MW-6S (L2319240-06D) | 122 | 97 | 104 | 122 | 0 |
| MW-4S (L2319240-07D) | 118 | 95 | 103 | 116 | 0 |
| DUP04112023 (L2319240-08) | 121 | 95 | 101 | 120 | 0 |
| TB04112023 (L2319240-09) | 114 | 97 | 101 | 115 | 0 |
| WG1769022-3LCS | 100 | 100 | 96 | 98 | 0 |
| WG1769022-4LCSD | 102 | 101 | 96 | 98 | 0 |
| WG1769022-5BLANK | 113 | 98 | 103 | 112 | 0 |
| MW-6DMS | 99 | 99 | 97 | 93 | 0 |
| MW-6DMSD | 98 | 100 | 99 | 94 | 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-R2**

# Laboratory Control Sample Summary
# Form 3
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Matrix (Level)** | : WATER (LOW) | | |
| **LCS Sample ID** | : WG1769022-3 **Analysis Date** : 04/19/23 08:18 | **File ID** | : V08230419A01 |
| **LCSD Sample ID** | : WG1769022-4 **Analysis Date** : 04/19/23 08:39 | **File ID** | : V08230419A02 |

| | Laboratory Control Sample | | | Laboratory Control Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | RPD | Recovery Limits | RPD Limit |
| Methylene chloride | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| 1,1-Dichloroethane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Chloroform | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Carbon tetrachloride | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 63-132 | 20 |
| 1,2-Dichloropropane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Dibromochloromethane | 10 | 9.0 | 90 | 10 | 9.6 | 96 | 6 | 63-130 | 20 |
| 1,1,2-Trichloroethane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Tetrachloroethene | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| Chlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 75-130 | 20 |
| Trichlorofluoromethane | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 62-150 | 20 |
| 1,2-Dichloroethane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,1,1-Trichloroethane | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 67-130 | 20 |
| Bromodichloromethane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 67-130 | 20 |
| trans-1,3-Dichloropropene | 10 | 9.2 | 92 | 10 | 9.8 | 98 | 6 | 70-130 | 20 |
| cis-1,3-Dichloropropene | 10 | 9.1 | 91 | 10 | 10 | 100 | 9 | 70-130 | 20 |
| Bromoform | 10 | 8.3 | 83 | 10 | 9.2 | 92 | 10 | 54-136 | 20 |
| 1,1,2,2-Tetrachloroethane | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 67-130 | 20 |
| Benzene | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 70-130 | 20 |
| Toluene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Ethylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Chloromethane | 10 | 13 | 130 | 10 | 13 | 130 | 0 | 64-130 | 20 |
| Bromomethane | 10 | 8.3 | 83 | 10 | 8.5 | 85 | 2 | 39-139 | 20 |
| Vinyl chloride | 10 | 12 | 120 | 10 | 13 | 130 | 8 | 55-140 | 20 |
| Chloroethane | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 55-138 | 20 |
| 1,1-Dichloroethene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 61-145 | 20 |
| trans-1,2-Dichloroethene | 10 | 9.8 | 98 | 10 | 10 | 100 | 2 | 70-130 | 20 |

# Laboratory Control Sample Summary
# Form 3
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Matrix (Level)** | : WATER (LOW) | | |
| **LCS Sample ID** | : WG1769022-3 **Analysis Date** : 04/19/23 08:18 | **File ID** | : V08230419A01 |
| **LCSD Sample ID** | : WG1769022-4 **Analysis Date** : 04/19/23 08:39 | **File ID** | : V08230419A02 |

| | Laboratory Control Sample | | | Laboratory Control Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | RPD | Recovery Limits | RPD Limit |
| Trichloroethene | 10 | 11 | 110 | 10 | 12 | 120 | 9 | 70-130 | 20 |
| 1,2-Dichlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,3-Dichlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,4-Dichlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Methyl tert butyl ether | 10 | 8.6 | 86 | 10 | 9.6 | 96 | 11 | 63-130 | 20 |
| p/m-Xylene | 20 | 22 | 110 | 20 | 22 | 110 | 0 | 70-130 | 20 |
| o-Xylene | 20 | 21 | 105 | 20 | 22 | 110 | 5 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Styrene | 20 | 22 | 110 | 20 | 23 | 115 | 4 | 70-130 | 20 |
| Dichlorodifluoromethane | 10 | 14 | 140 | 10 | 14 | 140 | 0 | 36-147 | 20 |
| Acetone | 10 | 9.4 | 94 | 10 | 10 | 100 | 6 | 58-148 | 20 |
| Carbon disulfide | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 51-130 | 20 |
| 2-Butanone | 10 | 10 | 100 | 10 | 12 | 120 | 18 | 63-138 | 20 |
| 4-Methyl-2-pentanone | 10 | 9.1 | 91 | 10 | 10 | 100 | 9 | 59-130 | 20 |
| 2-Hexanone | 10 | 9.5 | 95 | 10 | 10 | 100 | 5 | 57-130 | 20 |
| Bromochloromethane | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| 1,2-Dibromoethane | 10 | 9.6 | 96 | 10 | 10 | 100 | 4 | 70-130 | 20 |
| 1,2-Dibromo-3-chloropropane | 10 | 8.7 | 87 | 10 | 9.7 | 97 | 11 | 41-144 | 20 |
| Isopropylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,2,3-Trichlorobenzene | 10 | 8.8 | 88 | 10 | 9.8 | 98 | 11 | 70-130 | 20 |
| 1,2,4-Trichlorobenzene | 10 | 8.7 | 87 | 10 | 9.6 | 96 | 10 | 70-130 | 20 |
| Methyl Acetate | 10 | 9.6 | 96 | 10 | 11 | 110 | 14 | 70-130 | 20 |
| Cyclohexane | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| 1,4-Dioxane | 500 | 470 | 94 | 500 | 500 | 100 | 6 | 56-162 | 20 |
| Freon-113 | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Methyl cyclohexane | 10 | 9.7 | 97 | 10 | 10 | 100 | 3 | 70-130 | 20 |

# Matrix Spike Sample Summary
# Form 3
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Client Sample ID** | : MW-6D | **Matrix (Level)** | : WATER (LOW) |
| **Lab Sample ID** | : L2319240-05 | **Analysis Date** | : 04/19/23 11:46 |
| **Matrix Spike** | : WG1769022-6 | **MS Analysis Date** | : 04/19/23 17:19 |
| **Matrix Spike Dup** | : WG1769022-7 | **MSD Analysis Date** | : 04/19/23 17:40 |

| | | Matrix Spike Sample | | | Matrix Spike Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample Conc. (ug/l) | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | RPD | Recovery Limits | RPD Limit |
| Methylene chloride | ND | 400 | 370 | 92 | 400 | 390 | 98 | 5 | 70-130 | 20 |
| 1,1-Dichloroethane | 63J | 400 | 440 | 110 | 400 | 450 | 113 | 2 | 70-130 | 20 |
| Chloroform | ND | 400 | 420 | 105 | 400 | 440 | 110 | 5 | 70-130 | 20 |
| Carbon tetrachloride | ND | 400 | 400 | 100 | 400 | 430 | 108 | 7 | 63-132 | 20 |
| 1,2-Dichloropropane | ND | 400 | 410 | 103 | 400 | 440 | 110 | 7 | 70-130 | 20 |
| Dibromochloromethane | ND | 400 | 350 | 88 | 400 | 370 | 92 | 6 | 63-130 | 20 |
| 1,1,2-Trichloroethane | ND | 400 | 400 | 100 | 400 | 430 | 108 | 7 | 70-130 | 20 |
| Tetrachloroethene | ND | 400 | 370 | 92 | 400 | 390 | 98 | 5 | 70-130 | 20 |
| Chlorobenzene | ND | 400 | 380 | 95 | 400 | 410 | 103 | 8 | 75-130 | 20 |
| Trichlorofluoromethane | ND | 400 | 420 | 105 | 400 | 430 | 108 | 2 | 62-150 | 20 |
| 1,2-Dichloroethane | ND | 400 | 410 | 103 | 400 | 420 | 105 | 2 | 70-130 | 20 |
| 1,1,1-Trichloroethane | ND | 400 | 430 | 108 | 400 | 440 | 110 | 2 | 67-130 | 20 |
| Bromodichloromethane | ND | 400 | 390 | 98 | 400 | 420 | 105 | 7 | 67-130 | 20 |
| trans-1,3-Dichloropropene | ND | 400 | 340 | 85 | 400 | 360 | 90 | 6 | 70-130 | 20 |
| cis-1,3-Dichloropropene | ND | 400 | 340 | 85 | 400 | 360 | 90 | 6 | 70-130 | 20 |
| Bromoform | ND | 400 | 320 | 80 | 400 | 350 | 88 | 9 | 54-136 | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 400 | 380 | 95 | 400 | 440 | 110 | 15 | 67-130 | 20 |
| Benzene | ND | 400 | 430 | 108 | 400 | 450 | 113 | 5 | 70-130 | 20 |
| Toluene | ND | 400 | 400 | 100 | 400 | 430 | 108 | 7 | 70-130 | 20 |
| Ethylbenzene | ND | 400 | 390 | 98 | 400 | 420 | 105 | 7 | 70-130 | 20 |
| Chloromethane | ND | 400 | 490 | 123 | 400 | 510 | 128 | 4 | 64-130 | 20 |
| Bromomethane | ND | 400 | 240 | 60 | 400 | 280 | 70 | 15 | 39-139 | 20 |

# Matrix Spike Sample Summary
# Form 3
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Client Sample ID** | : MW-6D | **Matrix (Level)** | : WATER (LOW) |
| **Lab Sample ID** | : L2319240-05 | **Analysis Date** | : 04/19/23 11:46 |
| **Matrix Spike** | : WG1769022-6 | **MS Analysis Date** | : 04/19/23 17:19 |
| **Matrix Spike Dup** | : WG1769022-7 | **MSD Analysis Date** | : 04/19/23 17:40 |

| | | Matrix Spike Sample | | | | Matrix Spike Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample Conc. (ug/l) | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | RPD | Recovery Limits | RPD Limit |
| Vinyl chloride | 240 | 400 | 650 | 103 | | 400 | 670 | 108 | 3 | 55-140 | 20 |
| Chloroethane | ND | 400 | 420 | 105 | | 400 | 440 | 110 | 5 | 55-138 | 20 |
| 1,1-Dichloroethene | 22 | 400 | 400 | 94 | | 400 | 420 | 100 | 5 | 61-145 | 20 |
| trans-1,2-Dichloroethene | ND | 400 | 380 | 95 | | 400 | 400 | 100 | 5 | 70-130 | 20 |
| Trichloroethene | 400 | 400 | 770 | 92 | | 400 | 800 | 100 | 4 | 70-130 | 20 |
| 1,2-Dichlorobenzene | ND | 400 | 380 | 95 | | 400 | 410 | 103 | 8 | 70-130 | 20 |
| 1,3-Dichlorobenzene | ND | 400 | 370 | 92 | | 400 | 400 | 100 | 8 | 70-130 | 20 |
| 1,4-Dichlorobenzene | ND | 400 | 370 | 92 | | 400 | 390 | 98 | 5 | 70-130 | 20 |
| Methyl tert butyl ether | ND | 400 | 360 | 90 | | 400 | 370 | 92 | 3 | 63-130 | 20 |
| p/m-Xylene | ND | 800 | 800 | 100 | | 800 | 840 | 105 | 5 | 70-130 | 20 |
| o-Xylene | ND | 800 | 780 | 98 | | 800 | 830 | 104 | 6 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 4200 | 400 | 3800 | 0 | Q | 400 | 3800 | 0 Q | 0 | 70-130 | 20 |
| Styrene | ND | 800 | 830 | 104 | | 800 | 880 | 110 | 6 | 70-130 | 20 |
| Dichlorodifluoromethane | ND | 400 | 480 | 120 | | 400 | 510 | 128 | 6 | 36-147 | 20 |
| Acetone | ND | 400 | 380 | 95 | | 400 | 400 | 100 | 5 | 58-148 | 20 |
| Carbon disulfide | ND | 400 | 400 | 100 | | 400 | 420 | 105 | 5 | 51-130 | 20 |
| 2-Butanone | ND | 400 | 400 | 100 | | 400 | 400 | 100 | 0 | 63-138 | 20 |
| 4-Methyl-2-pentanone | ND | 400 | 380 | 95 | | 400 | 400 | 100 | 5 | 59-130 | 20 |
| 2-Hexanone | ND | 400 | 370 | 92 | | 400 | 420 | 105 | 13 | 57-130 | 20 |
| Bromochloromethane | ND | 400 | 390 | 98 | | 400 | 410 | 103 | 5 | 70-130 | 20 |
| 1,2-Dibromoethane | ND | 400 | 380 | 95 | | 400 | 390 | 98 | 3 | 70-130 | 20 |
| 1,2-Dibromo-3-chloropropane | ND | 400 | 330 | 82 | | 400 | 370 | 92 | 11 | 41-144 | 20 |

# Matrix Spike Sample Summary
# Form 3
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Client Sample ID** | : MW-6D | **Matrix (Level)** | : WATER (LOW) |
| **Lab Sample ID** | : L2319240-05 | **Analysis Date** | : 04/19/23 11:46 |
| **Matrix Spike** | : WG1769022-6 | **MS Analysis Date** | : 04/19/23 17:19 |
| **Matrix Spike Dup** | : WG1769022-7 | **MSD Analysis Date** | : 04/19/23 17:40 |

| | | Matrix Spike Sample | | | Matrix Spike Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample Conc. (ug/l) | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | RPD | Recovery Limits | RPD Limit |
| Isopropylbenzene | ND | 400 | 380 | 95 | 400 | 420 | 105 | 10 | 70-130 | 20 |
| 1,2,3-Trichlorobenzene | ND | 400 | 340 | 85 | 400 | 380 | 95 | 11 | 70-130 | 20 |
| 1,2,4-Trichlorobenzene | ND | 400 | 330 | 82 | 400 | 360 | 90 | 9 | 70-130 | 20 |
| Methyl Acetate | ND | 400 | 400 | 100 | 400 | 390 | 98 | 3 | 70-130 | 20 |
| Cyclohexane | ND | 400 | 410 | 103 | 400 | 440 | 110 | 7 | 70-130 | 20 |
| 1,4-Dioxane | ND | 20000 | 20000 | 100 | 20000 | 20000 | 100 | 0 | 56-162 | 20 |
| Freon-113 | ND | 400 | 370 | 92 | 400 | 390 | 98 | 5 | 70-130 | 20 |
| Methyl cyclohexane | ND | 400 | 340J | 85 | 400 | 360J | 90 | 6 | 70-130 | 20 |

# Method Blank Summary
# Form 4
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab Sample ID** | : WG1769022-5 | **Lab File ID** | : V08230419A05 |
| **Instrument ID** | : VOA108 | | |
| **Matrix** | : WATER | **Analysis Date** | : 04/19/23 09:41 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|---|---|---|
| WG1769022-3LCS | WG1769022-3 | 04/19/23 08:18 |
| WG1769022-4LCSD | WG1769022-4 | 04/19/23 08:39 |
| TB04112023 | L2319240-09 | 04/19/23 10:02 |
| MW-7D | L2319240-01 | 04/19/23 10:23 |
| MW-7S | L2319240-02 | 04/19/23 10:44 |
| MW-8S | L2319240-03 | 04/19/23 11:04 |
| MW-6D' | L2319240-04 | 04/19/23 11:25 |
| MW-6D | L2319240-05D | 04/19/23 11:46 |
| MW-6S | L2319240-06D | 04/19/23 12:07 |
| MW-4S | L2319240-07D | 04/19/23 12:28 |
| DUP04112023 | L2319240-08 | 04/19/23 12:48 |
| MW-6DMS | WG1769022-6 | 04/19/23 17:19 |
| MW-6DMSD | WG1769022-7 | 04/19/23 17:40 |

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

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : VOA108 | **Analysis Date** | : 04/05/23 20:48 |
| **Tune Standard** | : WG1763595-1 | **Tune File ID** | : V08230405NBF4_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 21.6 |
| 75 | 30.0 - 80.0% of mass 95 | 49.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 1 (1.2 )1 |
| 174 | Greater than 50.0% of mass 95 | 90 |
| 175 | 5.0 - 9.0% of mass 174 | 6.5 (7.2 )1 |
| 176 | Greater than 95.0% but less than 101% of mass | 86.1 (95.7)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.7 (6.6 )2 |

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

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|---|---|---|---|
| STD0.19PPB | R1680973-2 | V08230405N04 | 04/05/23 22:11 |
| STD0.5PPB | R1680973-1 | V08230405N06 | 04/05/23 22:53 |
| STD2PPB | R1680973-7 | V08230405N08 | 04/05/23 23:34 |
| STD10PPB | R1680973-6 | V08230405N09 | 04/05/23 23:55 |
| STD30PPB | R1680973-5 | V08230405N10 | 04/06/23 00:16 |
| STD80PPB | R1680973-9 | V08230405N11 | 04/06/23 00:37 |
| STD120PPB | R1680973-4 | V08230405N12 | 04/06/23 00:57 |
| STD200PPB | R1680973-3 | V08230405N13 | 04/06/23 01:18 |
| Correlation Data Summary | R1680973-8 | V08230405N19 | 04/06/23 03:23 |
| ICV Quant Report | R1680973-8 | V08230405N19 | 04/06/23 03:23 |

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

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : VOA108 | **Analysis Date** | : 04/19/23 08:03 |
| **Tune Standard** | : WG1769022-1 | **Tune File ID** | : V08230419ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 23.1 |
| 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 | 6.9 |
| 173 | Less than 2.0% of mass 174 | 1.1 (1.2 )1 |
| 174 | Greater than 50.0% of mass 95 | 88.9 |
| 175 | 5.0 - 9.0% of mass 174 | 7 (7.9 )1 |
| 176 | Greater than 95.0% but less than 101% of mass | 85.4 (96.2)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.6 (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 |
|---|---|---|---|
| WG1769022-2CCAL | WG1769022-2 | V08230419A01 | 04/19/23 08:18 |
| WG1769022-3LCS | WG1769022-3 | V08230419A01 | 04/19/23 08:18 |
| WG1769022-4LCSD | WG1769022-4 | V08230419A02 | 04/19/23 08:39 |
| WG1769022-5BLANK | WG1769022-5 | V08230419A05 | 04/19/23 09:41 |
| TB04112023 | L2319240-09 | V08230419A06 | 04/19/23 10:02 |
| MW-7D | L2319240-01 | V08230419A07 | 04/19/23 10:23 |
| MW-7S | L2319240-02 | V08230419A08 | 04/19/23 10:44 |
| MW-8S | L2319240-03 | V08230419A09 | 04/19/23 11:04 |
| MW-6D' | L2319240-04 | V08230419A10 | 04/19/23 11:25 |
| MW-6D | L2319240-05D | V08230419A11 | 04/19/23 11:46 |
| MW-6S | L2319240-06D | V08230419A12 | 04/19/23 12:07 |
| MW-4S | L2319240-07D | V08230419A13 | 04/19/23 12:28 |
| DUP04112023 | L2319240-08 | V08230419A14 | 04/19/23 12:48 |
| WG1769022-6MS | WG1769022-6 | V08230419A27 | 04/19/23 17:19 |
| WG1769022-7MSD | WG1769022-7 | V08230419A28 | 04/19/23 17:40 |

# Internal Standard Area and RT Summary
# Form 8a
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : VOA108 | **Analysis Date** | : 04/19/23 08:18:00 |
| **Sample No** | : WG1769022-2 | **Lab File ID** | : V08230419A01 |

| | Fluorobenzene (IS) | | Chlorobenzene-d5 | | 1,4-Dichlorobenzene-D4 | |
|---|---|---|---|---|---|---|
| | Area | RT | Area | RT | Area | RT |
| WG1769022-2 | 247707 | 5.56 | 214822 | 8.53 | 130288 | 10.01 |
| Upper Limit | 495414 | 6.06 | 429644 | 9.03 | 260576 | 10.51 |
| Lower Limit | 123854 | 5.06 | 107411 | 8.03 | 65144 | 9.51 |
| Sample ID | | | | | | |
| WG1769022-3 LCS | 247707 | 5.56 | 214822 | 8.53 | 130288 | 10.01 |
| WG1769022-4 LCSD | 241261 | 5.57 | 208625 | 8.53 | 124201 | 10.01 |
| WG1769022-5 BLANK | 202464 | 5.57 | 182084 | 8.54 | 97914 | 10.01 |
| TB04112023 | 192484 | 5.57 | 173748 | 8.54 | 93642 | 10.01 |
| MW-7D | 185107 | 5.57 | 167320 | 8.54 | 89630 | 10.01 |
| MW-7S | 186274 | 5.57 | 170197 | 8.54 | 90658 | 10.01 |
| MW-8S | 187962 | 5.57 | 175035 | 8.54 | 93702 | 10.01 |
| MW-6D' | 186013 | 5.57 | 172004 | 8.54 | 90002 | 10.01 |
| MW-6D | 197596 | 5.57 | 179715 | 8.54 | 94795 | 10.01 |
| MW-6S | 180985 | 5.57 | 163417 | 8.54 | 84265 | 10.01 |
| MW-4S | 187611 | 5.57 | 174035 | 8.54 | 88871 | 10.01 |
| DUP04112023 | 177854 | 5.57 | 166695 | 8.54 | 88149 | 10.01 |
| MW-6D MS | 254648 | 5.57 | 220976 | 8.54 | 132807 | 10.01 |
| MW-6D MSD | 254149 | 5.57 | 217272 | 8.54 | 126255 | 10.01 |

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.*** ***(Soil/Solids only)***
***Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.***

## 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* | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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

**Date Created:** 03/15/23
**Created By:** Jason Hebert
**File:** PM14095-1
**Page:** 1

## 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 | | | |

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

**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* | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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

# Volatiles Sample Data

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-01 | **Date Collected** | : 04/11/23 08:35 |
| **Client ID** | : MW-7D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:23 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A07 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | 0.20 | 0.50 | 0.16 | J |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-01 | **Date Collected** | : 04/11/23 08:35 |
| **Client ID** | : MW-7D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:23 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A07 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-01 | **Date Collected** | : 04/11/23 08:35 |
| **Client ID** | : MW-7D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:23 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A07 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-02 | **Date Collected** | : 04/11/23 09:30 |
| **Client ID** | : MW-7S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:44 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A08 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | U |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | 0.15 | 1.0 | 0.07 | J |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-02 | **Date Collected** | : 04/11/23 09:30 |
| **Client ID** | : MW-7S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:44 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A08 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 2.0 | 2.5 | 0.70 | J |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | 2.0 | 5.0 | 1.5 | J |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-02 | **Date Collected** | : 04/11/23 09:30 |
| **Client ID** | : MW-7S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:44 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A08 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-03 | **Date Collected** | : 04/11/23 10:30 |
| **Client ID** | : MW-8S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:04 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A09 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | U |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | 24 | 1.0 | 0.07 | |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-03 | **Date Collected** | : 04/11/23 10:30 |
| **Client ID** | : MW-8S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:04 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A09 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 7.3 | 2.5 | 0.70 | |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-03 | **Date Collected** | : 04/11/23 10:30 |
| **Client ID** | : MW-8S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:04 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A09 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-04 | **Date Collected** | : 04/11/23 12:10 |
| **Client ID** | : MW-6D' | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:25 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A10 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 3.5 | 2.5 | 0.70 | |
| 67-66-3 | Chloroform | ND | 2.5 | 0.70 | U |
| 56-23-5 | Carbon tetrachloride | ND | 0.50 | 0.13 | U |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | U |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | 110 | 1.0 | 0.07 | |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | 0.24 | 0.50 | 0.17 | J |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| Client | : Sterling Environmental Engineering | Lab Number | : L2319240 |
| Project Name | : TROY BELTING | Project Number | : 2011-31 TASK 911 |
| Lab ID | : L2319240-04 | Date Collected | : 04/11/23 12:10 |
| Client ID | : MW-6D' | Date Received | : 04/11/23 |
| Sample Location | : COLONIE, NY | Date Analyzed | : 04/19/23 11:25 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : MJV |
| Lab File ID | : V08230419A10 | 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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| CAS NO. | Parameter | Results | RL | MDL | Qualifier |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 120 | 2.5 | 0.70 | |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-04 | **Date Collected** | : 04/11/23 12:10 |
| **Client ID** | : MW-6D' | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:25 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A10 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-05D | **Date Collected** | : 04/11/23 13:50 |
| **Client ID** | : MW-6D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:46 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 40 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A11 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.25 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 100 | 28. | U |
| 75-34-3 | 1,1-Dichloroethane | 63 | 100 | 28. | J |
| 67-66-3 | Chloroform | ND | 100 | 28. | U |
| 56-23-5 | Carbon tetrachloride | ND | 20 | 5.4 | U |
| 78-87-5 | 1,2-Dichloropropane | ND | 40 | 5.5 | U |
| 124-48-1 | Dibromochloromethane | ND | 20 | 6.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 60 | 20. | U |
| 127-18-4 | Tetrachloroethene | ND | 20 | 7.2 | U |
| 108-90-7 | Chlorobenzene | ND | 100 | 28. | U |
| 75-69-4 | Trichlorofluoromethane | ND | 100 | 28. | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 20 | 5.3 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 100 | 28. | U |
| 75-27-4 | Bromodichloromethane | ND | 20 | 7.7 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 20 | 6.6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 20 | 5.8 | U |
| 75-25-2 | Bromoform | ND | 80 | 26. | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 20 | 6.7 | U |
| 71-43-2 | Benzene | ND | 20 | 6.4 | U |
| 108-88-3 | Toluene | ND | 100 | 28. | U |
| 100-41-4 | Ethylbenzene | ND | 100 | 28. | U |
| 74-87-3 | Chloromethane | ND | 100 | 28. | U |
| 74-83-9 | Bromomethane | ND | 100 | 28. | U |
| 75-01-4 | Vinyl chloride | 240 | 40 | 2.8 | |
| 75-00-3 | Chloroethane | ND | 100 | 28. | U |
| 75-35-4 | 1,1-Dichloroethene | 22 | 20 | 6.8 | |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-05D | **Date Collected** | : 04/11/23 13:50 |
| **Client ID** | : MW-6D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:46 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 40 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A11 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.25 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| CAS NO. | Parameter | Results | RL | MDL | Qualifier |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 100 | 28. | U |
| 79-01-6 | Trichloroethene | 400 | 20 | 7.0 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 100 | 28. | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 100 | 28. | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 100 | 28. | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 100 | 28. | U |
| 179601-23-1 | p/m-Xylene | ND | 100 | 28. | U |
| 95-47-6 | o-Xylene | ND | 100 | 28. | U |
| 156-59-2 | cis-1,2-Dichloroethene | 4200 | 100 | 28. | |
| 100-42-5 | Styrene | ND | 100 | 28. | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 200 | 40. | U |
| 67-64-1 | Acetone | ND | 200 | 58. | U |
| 75-15-0 | Carbon disulfide | ND | 200 | 40. | U |
| 78-93-3 | 2-Butanone | ND | 200 | 78. | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 200 | 40. | U |
| 591-78-6 | 2-Hexanone | ND | 200 | 40. | U |
| 74-97-5 | Bromochloromethane | ND | 100 | 28. | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 80 | 26. | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 100 | 28. | U |
| 98-82-8 | Isopropylbenzene | ND | 100 | 28. | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 100 | 28. | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 100 | 28. | U |
| 79-20-9 | Methyl Acetate | ND | 80 | 9.4 | U |
| 110-82-7 | Cyclohexane | ND | 400 | 11. | U |
| 123-91-1 | 1,4-Dioxane | ND | 10000 | 2400 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-05D | **Date Collected** | : 04/11/23 13:50 |
| **Client ID** | : MW-6D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 11:46 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 40 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A11 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.25 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 100 | 28. | U |
| 108-87-2 | Methyl cyclohexane | ND | 400 | 16. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-06D | **Date Collected** | : 04/11/23 13:00 |
| **Client ID** | : MW-6S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:07 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 20 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A12 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.5 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 50 | 14. | U |
| 75-34-3 | 1,1-Dichloroethane | 43 | 50 | 14. | J |
| 67-66-3 | Chloroform | ND | 50 | 14. | U |
| 56-23-5 | Carbon tetrachloride | ND | 10 | 2.7 | U |
| 78-87-5 | 1,2-Dichloropropane | ND | 20 | 2.7 | U |
| 124-48-1 | Dibromochloromethane | ND | 10 | 3.0 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 30 | 10. | U |
| 127-18-4 | Tetrachloroethene | ND | 10 | 3.6 | U |
| 108-90-7 | Chlorobenzene | ND | 50 | 14. | U |
| 75-69-4 | Trichlorofluoromethane | ND | 50 | 14. | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 10 | 2.6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 50 | 14. | U |
| 75-27-4 | Bromodichloromethane | ND | 10 | 3.8 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 10 | 3.3 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 10 | 2.9 | U |
| 75-25-2 | Bromoform | ND | 40 | 13. | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 10 | 3.3 | U |
| 71-43-2 | Benzene | ND | 10 | 3.2 | U |
| 108-88-3 | Toluene | ND | 50 | 14. | U |
| 100-41-4 | Ethylbenzene | ND | 50 | 14. | U |
| 74-87-3 | Chloromethane | ND | 50 | 14. | U |
| 74-83-9 | Bromomethane | ND | 50 | 14. | U |
| 75-01-4 | Vinyl chloride | 280 | 20 | 1.4 | |
| 75-00-3 | Chloroethane | ND | 50 | 14. | U |
| 75-35-4 | 1,1-Dichloroethene | 7.5 | 10 | 3.4 | J |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-06D | **Date Collected** | : 04/11/23 13:00 |
| **Client ID** | : MW-6S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:07 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 20 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A12 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.5 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 50 | 14. | U |
| 79-01-6 | Trichloroethene | ND | 10 | 3.5 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 50 | 14. | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 50 | 14. | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 50 | 14. | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 50 | 14. | U |
| 179601-23-1 | p/m-Xylene | ND | 50 | 14. | U |
| 95-47-6 | o-Xylene | ND | 50 | 14. | U |
| 156-59-2 | cis-1,2-Dichloroethene | 2600 | 50 | 14. | |
| 100-42-5 | Styrene | ND | 50 | 14. | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 100 | 20. | U |
| 67-64-1 | Acetone | ND | 100 | 29. | U |
| 75-15-0 | Carbon disulfide | ND | 100 | 20. | U |
| 78-93-3 | 2-Butanone | ND | 100 | 39. | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 100 | 20. | U |
| 591-78-6 | 2-Hexanone | ND | 100 | 20. | U |
| 74-97-5 | Bromochloromethane | ND | 50 | 14. | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 40 | 13. | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 50 | 14. | U |
| 98-82-8 | Isopropylbenzene | ND | 50 | 14. | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 50 | 14. | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 50 | 14. | U |
| 79-20-9 | Methyl Acetate | ND | 40 | 4.7 | U |
| 110-82-7 | Cyclohexane | ND | 200 | 5.4 | U |
| 123-91-1 | 1,4-Dioxane | ND | 5000 | 1200 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-06D | **Date Collected** | : 04/11/23 13:00 |
| **Client ID** | : MW-6S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:07 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 20 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A12 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.5 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 50 | 14. | U |
| 108-87-2 | Methyl cyclohexane | ND | 200 | 7.9 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-07D | **Date Collected** | : 04/11/23 14:45 |
| **Client ID** | : MW-4S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:28 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 50 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A13 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.2 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 120 | 35. | U |
| 75-34-3 | 1,1-Dichloroethane | 61 | 120 | 35. | J |
| 67-66-3 | Chloroform | ND | 120 | 35. | U |
| 56-23-5 | Carbon tetrachloride | ND | 25 | 6.7 | U |
| 78-87-5 | 1,2-Dichloropropane | ND | 50 | 6.8 | U |
| 124-48-1 | Dibromochloromethane | ND | 25 | 7.4 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 75 | 25. | U |
| 127-18-4 | Tetrachloroethene | ND | 25 | 9.0 | U |
| 108-90-7 | Chlorobenzene | ND | 120 | 35. | U |
| 75-69-4 | Trichlorofluoromethane | ND | 120 | 35. | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 25 | 6.6 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 120 | 35. | U |
| 75-27-4 | Bromodichloromethane | ND | 25 | 9.6 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 25 | 8.2 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 25 | 7.2 | U |
| 75-25-2 | Bromoform | ND | 100 | 32. | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 25 | 8.4 | U |
| 71-43-2 | Benzene | ND | 25 | 8.0 | U |
| 108-88-3 | Toluene | ND | 120 | 35. | U |
| 100-41-4 | Ethylbenzene | ND | 120 | 35. | U |
| 74-87-3 | Chloromethane | ND | 120 | 35. | U |
| 74-83-9 | Bromomethane | ND | 120 | 35. | U |
| 75-01-4 | Vinyl chloride | 350 | 50 | 3.6 | |
| 75-00-3 | Chloroethane | ND | 120 | 35. | U |
| 75-35-4 | 1,1-Dichloroethene | 13 | 25 | 8.4 | J |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-07D | **Date Collected** | : 04/11/23 14:45 |
| **Client ID** | : MW-4S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:28 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 50 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A13 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.2 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| CAS NO. | Parameter | Results | RL | MDL | Qualifier |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 120 | 35. | U |
| 79-01-6 | Trichloroethene | 12 | 25 | 8.8 | J |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 120 | 35. | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 120 | 35. | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 120 | 35. | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 120 | 35. | U |
| 179601-23-1 | p/m-Xylene | ND | 120 | 35. | U |
| 95-47-6 | o-Xylene | ND | 120 | 35. | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6300 | 120 | 35. | |
| 100-42-5 | Styrene | ND | 120 | 35. | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 250 | 50. | U |
| 67-64-1 | Acetone | ND | 250 | 73. | U |
| 75-15-0 | Carbon disulfide | ND | 250 | 50. | U |
| 78-93-3 | 2-Butanone | ND | 250 | 97. | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 250 | 50. | U |
| 591-78-6 | 2-Hexanone | ND | 250 | 50. | U |
| 74-97-5 | Bromochloromethane | ND | 120 | 35. | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 100 | 32. | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 120 | 35. | U |
| 98-82-8 | Isopropylbenzene | ND | 120 | 35. | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 120 | 35. | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 120 | 35. | U |
| 79-20-9 | Methyl Acetate | ND | 100 | 12. | U |
| 110-82-7 | Cyclohexane | ND | 500 | 14. | U |
| 123-91-1 | 1,4-Dioxane | ND | 12000 | 3000 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-07D | **Date Collected** | : 04/11/23 14:45 |
| **Client ID** | : MW-4S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:28 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 50 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A13 | **Instrument ID** | : VOA108 |
| **Sample Amount** | : 0.2 ml | **GC Column** | : RTX-502.2 |
| **Level** | : LOW | **%Solids** | : N/A |
| **Extract Volume (MeOH)** | : N/A | **Injection Volume** | : N/A |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 120 | 35. | U |
| 108-87-2 | Methyl cyclohexane | ND | 500 | 20. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-08 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : DUP04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:48 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A14 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | 0.19 | 0.50 | 0.16 | J |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-08 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : DUP04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:48 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A14 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-08 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : DUP04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:48 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A14 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-09 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : TB04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:02 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A06 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | U |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-09 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : TB04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:02 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A06 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | 2.1 | 5.0 | 1.5 | J |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-09 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : TB04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 10:02 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : MJV |
| **Lab File ID** | : V08230419A06 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : WG1769022-5 | **Date Collected** | : NA |
| **Client ID** | : WG1769022-5BLANK | **Date Received** | : NA |
| **Sample Location** | : | **Date Analyzed** | : 04/19/23 09:41 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : PID |
| **Lab File ID** | : V08230419A05 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | 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 |
| 78-87-5 | 1,2-Dichloropropane | ND | 1.0 | 0.14 | U |
| 124-48-1 | Dibromochloromethane | ND | 0.50 | 0.15 | U |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 1.5 | 0.50 | U |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | ND | 2.5 | 0.70 | U |
| 75-69-4 | Trichlorofluoromethane | ND | 2.5 | 0.70 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.50 | 0.13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 2.5 | 0.70 | U |
| 75-27-4 | Bromodichloromethane | ND | 0.50 | 0.19 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.50 | 0.16 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.50 | 0.14 | U |
| 75-25-2 | Bromoform | ND | 2.0 | 0.65 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.50 | 0.17 | U |
| 71-43-2 | Benzene | ND | 0.50 | 0.16 | U |
| 108-88-3 | Toluene | ND | 2.5 | 0.70 | U |
| 100-41-4 | Ethylbenzene | ND | 2.5 | 0.70 | U |
| 74-87-3 | Chloromethane | ND | 2.5 | 0.70 | U |
| 74-83-9 | Bromomethane | ND | 2.5 | 0.70 | U |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-00-3 | Chloroethane | ND | 2.5 | 0.70 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : WG1769022-5 | **Date Collected** | : NA |
| **Client ID** | : WG1769022-5BLANK | **Date Received** | : NA |
| **Sample Location** | : | **Date Analyzed** | : 04/19/23 09:41 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : PID |
| **Lab File ID** | : V08230419A05 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | ND | 0.50 | 0.18 | U |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 2.5 | 0.70 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 2.5 | 0.70 | U |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 100-42-5 | Styrene | ND | 2.5 | 0.70 | U |
| 75-71-8 | Dichlorodifluoromethane | ND | 5.0 | 1.0 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 75-15-0 | Carbon disulfide | ND | 5.0 | 1.0 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 108-10-1 | 4-Methyl-2-pentanone | ND | 5.0 | 1.0 | U |
| 591-78-6 | 2-Hexanone | ND | 5.0 | 1.0 | U |
| 74-97-5 | Bromochloromethane | ND | 2.5 | 0.70 | U |
| 106-93-4 | 1,2-Dibromoethane | ND | 2.0 | 0.65 | U |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | 2.5 | 0.70 | U |
| 98-82-8 | Isopropylbenzene | ND | 2.5 | 0.70 | U |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 2.5 | 0.70 | U |
| 79-20-9 | Methyl Acetate | ND | 2.0 | 0.23 | U |
| 110-82-7 | Cyclohexane | ND | 10 | 0.27 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |

# Results Summary
# Form 1
# Volatile Organics by GC/MS

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : WG1769022-5 | **Date Collected** | : NA |
| **Client ID** | : WG1769022-5BLANK | **Date Received** | : NA |
| **Sample Location** | : | **Date Analyzed** | : 04/19/23 09:41 |
| **Sample Matrix** | : WATER | **Dilution Factor** | : 1 |
| **Analytical Method** | : 1,8260D | **Analyst** | : PID |
| **Lab File ID** | : V08230419A05 | **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 |

| | | ug/L | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 76-13-1 | Freon-113 | ND | 2.5 | 0.70 | U |
| 108-87-2 | Methyl cyclohexane | ND | 10 | 0.40 | U |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A06.d
Acq On : 19 Apr 2023 10:02 am
Operator : VOA108:MJV
Sample : L2319240-09,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 20 09:22:54 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 192484 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 77.71% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 173748 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 80.88% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 93642 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 71.87% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 80560 | 11.499 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 114.99% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 72363 | 11.380 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 113.80% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 196130 | 9.690 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.90% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 70082 | 10.051 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.51% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. | d | |
| 3) Chloromethane | 1.122 | 50 | 310 | N.D. | | |
| 4) Vinyl chloride | 0.000 | | 0 | N.D. | | |
| 5) Bromomethane | 1.384 | 94 | 152 | N.D. | | |
| 6) Chloroethane | 1.441 | 64 | 58 | N.D. | | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 11) Carbon disulfide | 1.950 | 76 | 508 | N.D. | | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 2.438 | 84 | 361 | N.D. | | |
| 17) Acetone | 2.490 | 43 | 2136 | 2.131 | ug/L # | 66 |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 19) Methyl acetate | 2.600 | 43 | 123 | N.D. | | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A06.d
Acq On : 19 Apr 2023 10:02 am
Operator : VOA108:MJV
Sample : L2319240-09,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 20 09:22:54 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | |
| 41) Benzene | 0.000 | | 0 | | N.D. | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | |
| 47) Methyl cyclohexane | 0.000 | | 0 | | N.D. | |
| 48) Trichloroethene | 0.000 | | 0 | | N.D. | |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | | N.D. | |
| 54) Bromodichloromethane | 0.000 | | 0 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 7.303 | 92 | 72 | | N.D. | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 69) Chlorodibromomethane | 0.000 | | 0 | | N.D. | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | | N.D. | |
| 72) 2-Hexanone | 8.368 | 43 | 57 | | N.D. | |
| 73) Chlorobenzene | 8.541 | 112 | 294 | | N.D. | |
| 74) Ethylbenzene | 8.687 | 91 | 511 | | N.D. | |
| 76) p/m Xylene | 8.693 | 106 | 134 | | N.D. | |
| 77) o Xylene | 8.976 | 106 | 51 | | N.D. | |
| 78) Styrene | 9.007 | 104 | 436 | | N.D. | |
| 80) Bromoform | 0.000 | | 0 | | N.D. | |
| 82) Isopropylbenzene | 9.175 | 105 | 48 | | N.D. | |
| 87) 1,1,2,2-Tetrachloroethane | 9.348 | 83 | 50 | | N.D. | |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 471 | | N.D. | |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 549 | | N.D. | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 411 | | N.D. | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | | N.D. | |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 570 | | N.D. | |
| 111) 1,2,3-Trichlorobenzene | 11.367 | 180 | 273 | | N.D. | |

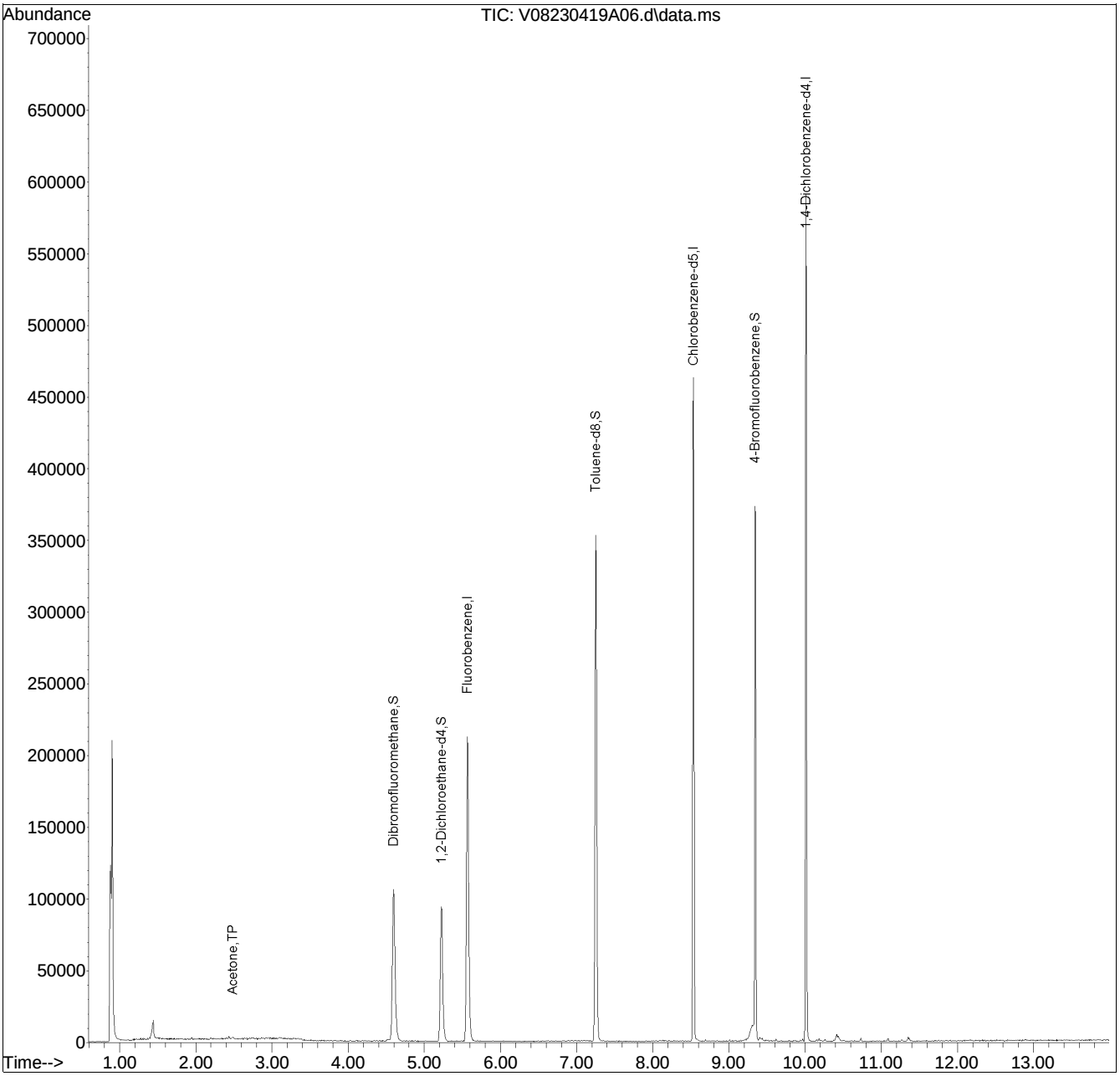
(#) = qualifier out of range (m) = manual integration (+) = signals summed

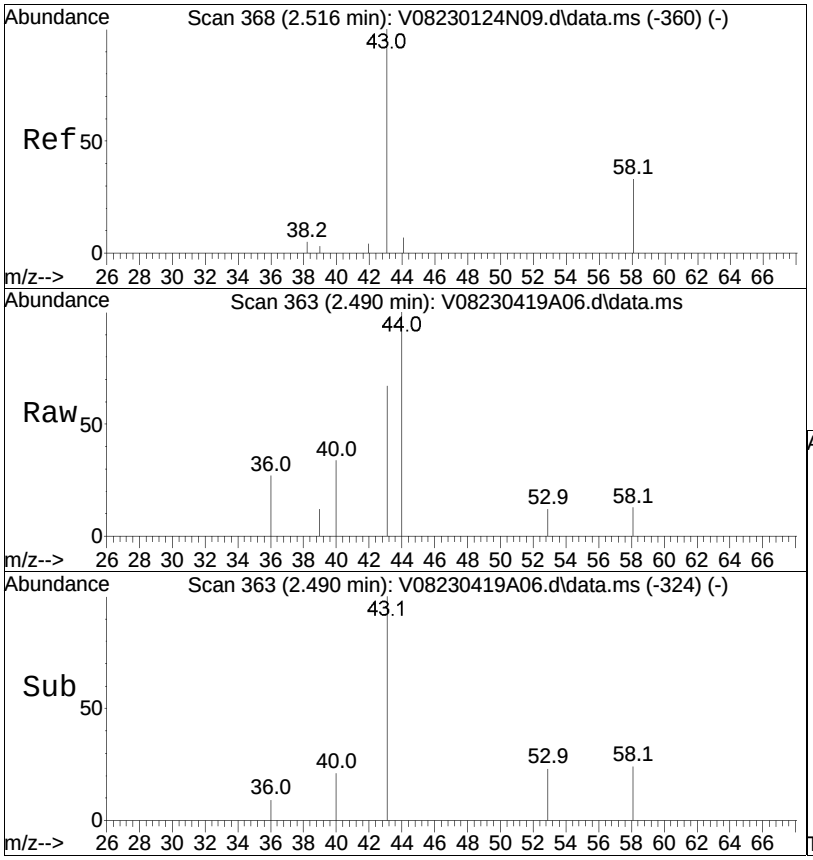
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A06.d
Acq On : 19 Apr 2023 10:02 am
Operator : VOA108:MJV
Sample : L2319240-09,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 20 09:22:54 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

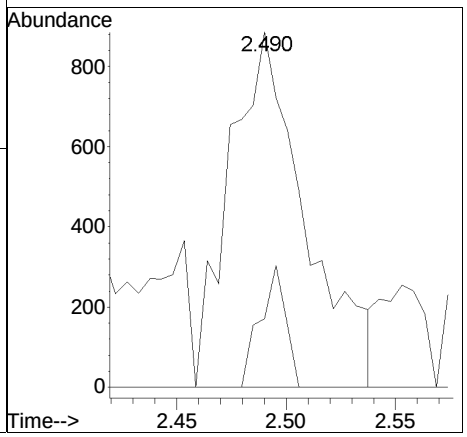





#17
Acetone
Concen: 2.13 ug/L
RT: 2.490 min Scan# 363
Delta R.T. 0.005 min
Lab File: V08230419A06.d
Acq: 19 Apr 2023 10:02 am

Tgt Ion: 43 Resp: 2136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.6 | 24.2 | 36.4# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A06.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 10:02 am | Instrument | : VOA 108 |
| Sample | : L2319240-09,31,10,10,,A | Quant Date | : 4/20/2023 7:51 am |

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

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A07.d
Acq On : 19 Apr 2023 10:23 am
Operator : VOA108:MJV
Sample : L2319240-01,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 20 09:23:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 185107 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 74.73% | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 167320 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 77.89% | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 89630 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 68.79% | | |
| System Monitoring Compounds | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 79226 | 11.759 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.59% | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 72262 | 11.817 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 118.17% | | |
| 60) Toluene-d8 | 7.251 | 98 | 190613 | 9.779 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.79% | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 67356 | 10.092 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.92% | | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. d | |
| 3) Chloromethane | 1.122 | 50 | 193 | N.D. | |
| 4) Vinyl chloride | 1.321 | 62 | 264 | N.D. | |
| 5) Bromomethane | 1.389 | 94 | 64 | N.D. | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | |
| 11) Carbon disulfide | 1.945 | 76 | 590 | N.D. | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | |
| 17) Acetone | 0.000 | | 0 | N.D. d | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | |
| 19) Methyl acetate | 0.000 | | 0 | N.D. d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | |
| 28) cis-1,2-Dichloroethene | 0.000 | | 0 | N.D. | |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | |
| 32) Chloroform | 0.000 | | 0 | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A07.d
Acq On : 19 Apr 2023 10:23 am
Operator : VOA108:MJV
Sample : L2319240-01,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 20 09:23:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | |
| 41) Benzene | 5.054 | 78 | 3223 | 0.197 | ug/L # | 73 |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 47) Methyl cyclohexane | 0.000 | | 0 | N.D. | | |
| 48) Trichloroethene | 0.000 | | 0 | N.D. | | |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) Toluene | 7.303 | 92 | 49 | N.D. | | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) 2-Hexanone | 0.000 | | 0 | N.D. | d | |
| 73) Chlorobenzene | 8.541 | 112 | 89 | N.D. | | |
| 74) Ethylbenzene | 8.582 | 91 | 167 | N.D. | | |
| 76) p/m Xylene | 8.693 | 106 | 234 | N.D. | | |
| 77) o Xylene | 8.970 | 106 | 64 | N.D. | | |
| 78) Styrene | 9.012 | 104 | 168 | N.D. | | |
| 80) Bromoform | 0.000 | | 0 | N.D. | | |
| 82) Isopropylbenzene | 9.285 | 105 | 50 | N.D. | | |
| 87) 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 397 | N.D. | | |
| 101) 1,4-Dichlorobenzene | 10.014 | 146 | 535 | N.D. | | |
| 104) 1,2-Dichlorobenzene | 10.255 | 146 | 322 | N.D. | | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 372 | N.D. | | |
| 111) 1,2,3-Trichlorobenzene | 11.367 | 180 | 276 | N.D. | | |

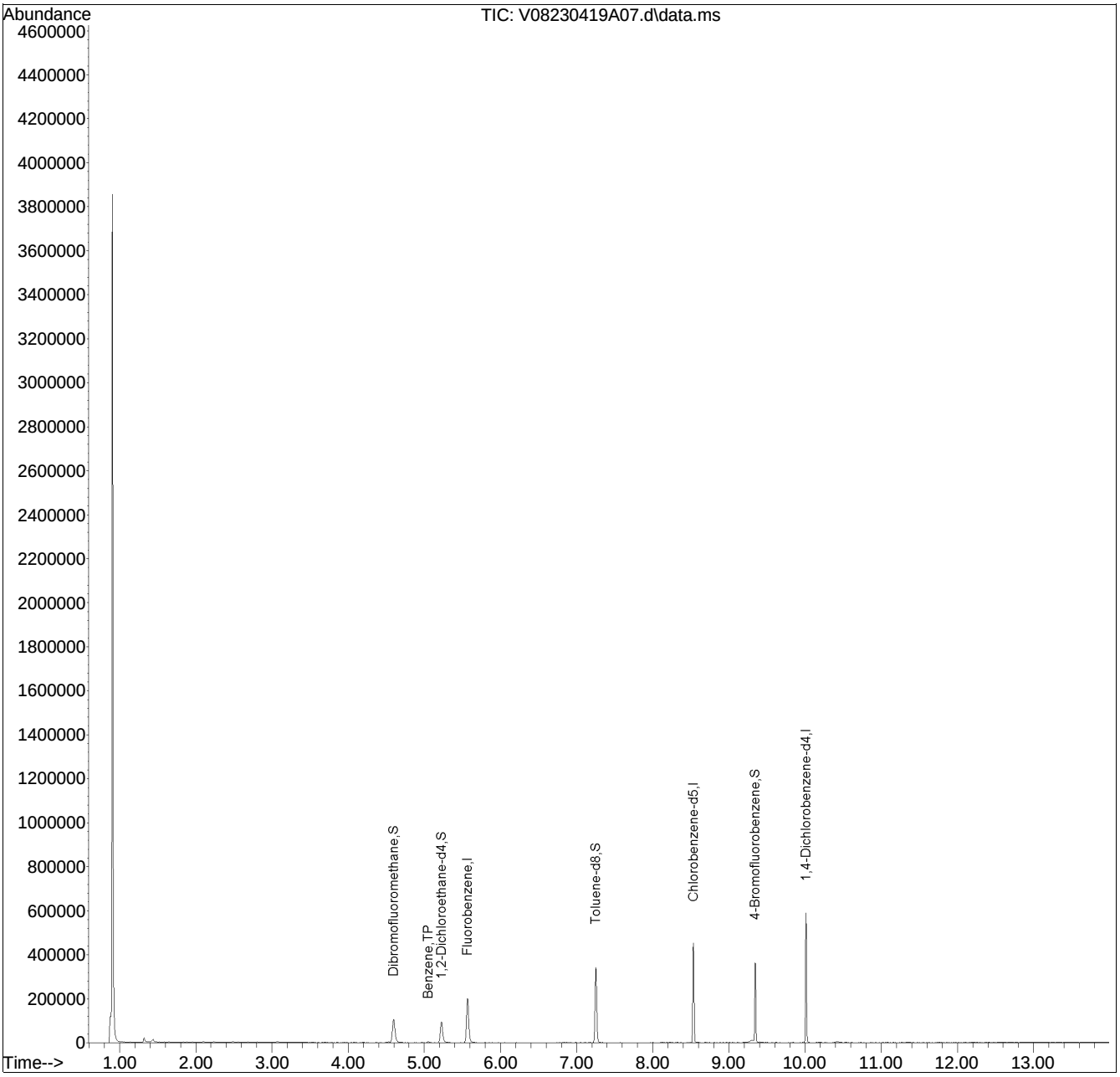
(#) = qualifier out of range (m) = manual integration (+) = signals summed

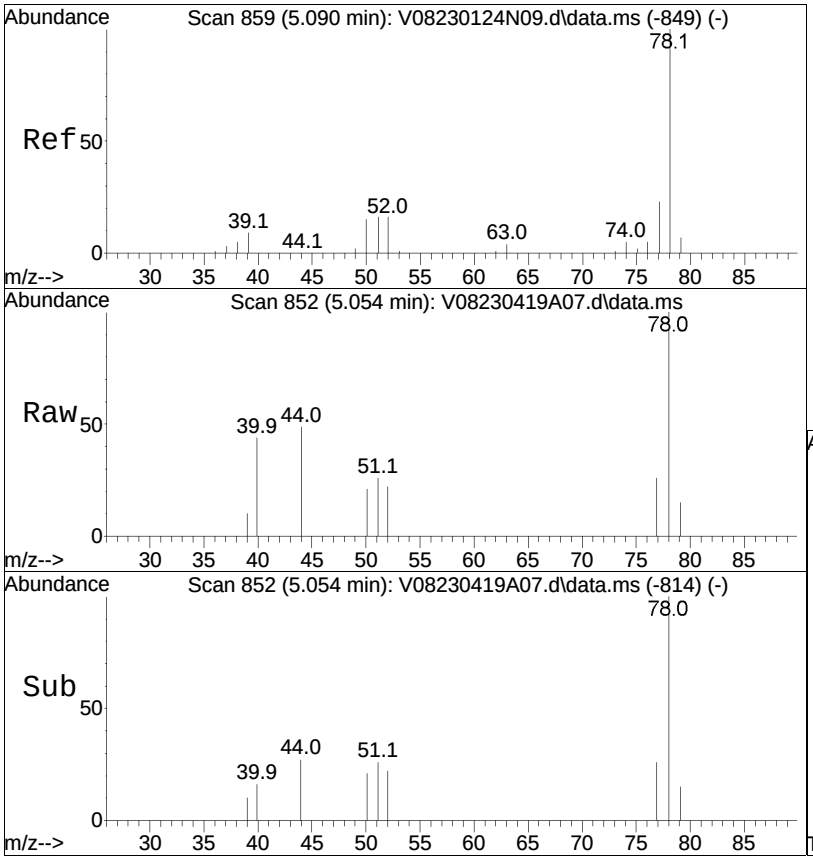
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A07.d
Acq On : 19 Apr 2023 10:23 am
Operator : VOA108:MJV
Sample : L2319240-01,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 20 09:23:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

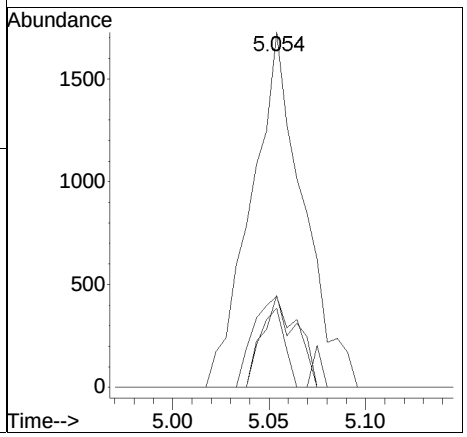





#41
Benzene
Concen: 0.20 ug/L
RT: 5.054 min Scan# 852
Delta R.T. -0.000 min
Lab File: V08230419A07.d
Acq: 19 Apr 2023 10:23 am

Tgt Ion: 78 Resp: 3223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.1 | 15.7 | 32.7 |
| 51 | 0.0 | 16.0 | 33.2# |
| 52 | 10.8 | 15.3 | 31.9# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A07.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 10:23 am | Instrument | : VOA 108 |
| Sample | : L2319240-01,31,10,10,,A | Quant Date | : 4/20/2023 7:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A08.d
Acq On : 19 Apr 2023 10:44 am
Operator : VOA108:MJV
Sample : L2319240-02,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 20 09:24:05 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 186274 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 75.20% | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 170197 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 79.23% | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 90658 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 69.58% | | |
| System Monitoring Compounds | | | | | |
| 36) Dibromofluoromethane | 4.593 | 113 | 79805 | 11.771 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.71% | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 69737 | 11.333 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 113.33% | | |
| 60) Toluene-d8 | 7.251 | 98 | 190055 | 9.586 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 95.86% | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 70523 | 10.447 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 104.47% | | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. d | |
| 3) Chloromethane | 0.000 | | 0 | N.D. | |
| 4) Vinyl chloride | 1.174 | 62 | 703 | 0.151 ug/L | 65 |
| 5) Bromomethane | 1.410 | 94 | 56 | N.D. | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | |
| 11) Carbon disulfide | 1.945 | 76 | 398 | N.D. | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | |
| 17) Acetone | 2.485 | 43 | 1929 | 1.989 ug/L # | 63 |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | |
| 19) Methyl acetate | 0.000 | | 0 | N.D. d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | |
| 28) cis-1,2-Dichloroethene | 3.932 | 96 | 10710 | 1.954 ug/L # | 70 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | |
| 32) Chloroform | 0.000 | | 0 | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A08.d
Acq On : 19 Apr 2023 10:44 am
Operator : VOA108:MJV
Sample : L2319240-02,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 20 09:24:05 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 4.635 | 43 | 49 | | N.D. | |
| 41) Benzene | 5.049 | 78 | 50 | | N.D. | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | |
| 47) Methyl cyclohexane | 0.000 | | 0 | | N.D. | |
| 48) Trichloroethene | 5.767 | 95 | 200 | | N.D. | |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | | N.D. | |
| 54) Bromodichloromethane | 0.000 | | 0 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 0.000 | | 0 | | N.D. | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 69) Chlorodibromomethane | 0.000 | | 0 | | N.D. | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | | N.D. | |
| 72) 2-Hexanone | 8.368 | 43 | 49 | | N.D. | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | |
| 74) Ethylbenzene | 8.698 | 91 | 380 | | N.D. | |
| 76) p/m Xylene | 8.698 | 106 | 112 | | N.D. | |
| 77) o Xylene | 0.000 | | 0 | | N.D. | |
| 78) Styrene | 9.007 | 104 | 203 | | N.D. | |
| 80) Bromoform | 0.000 | | 0 | | N.D. | |
| 82) Isopropylbenzene | 9.180 | 105 | 111 | | N.D. | |
| 87) 1,1,2,2-Tetrachloroethane | 9.343 | 83 | 53 | | N.D. | |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 297 | | N.D. | |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 416 | | N.D. | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 337 | | N.D. | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | | N.D. | |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 275 | | N.D. | |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 183 | | N.D. | |

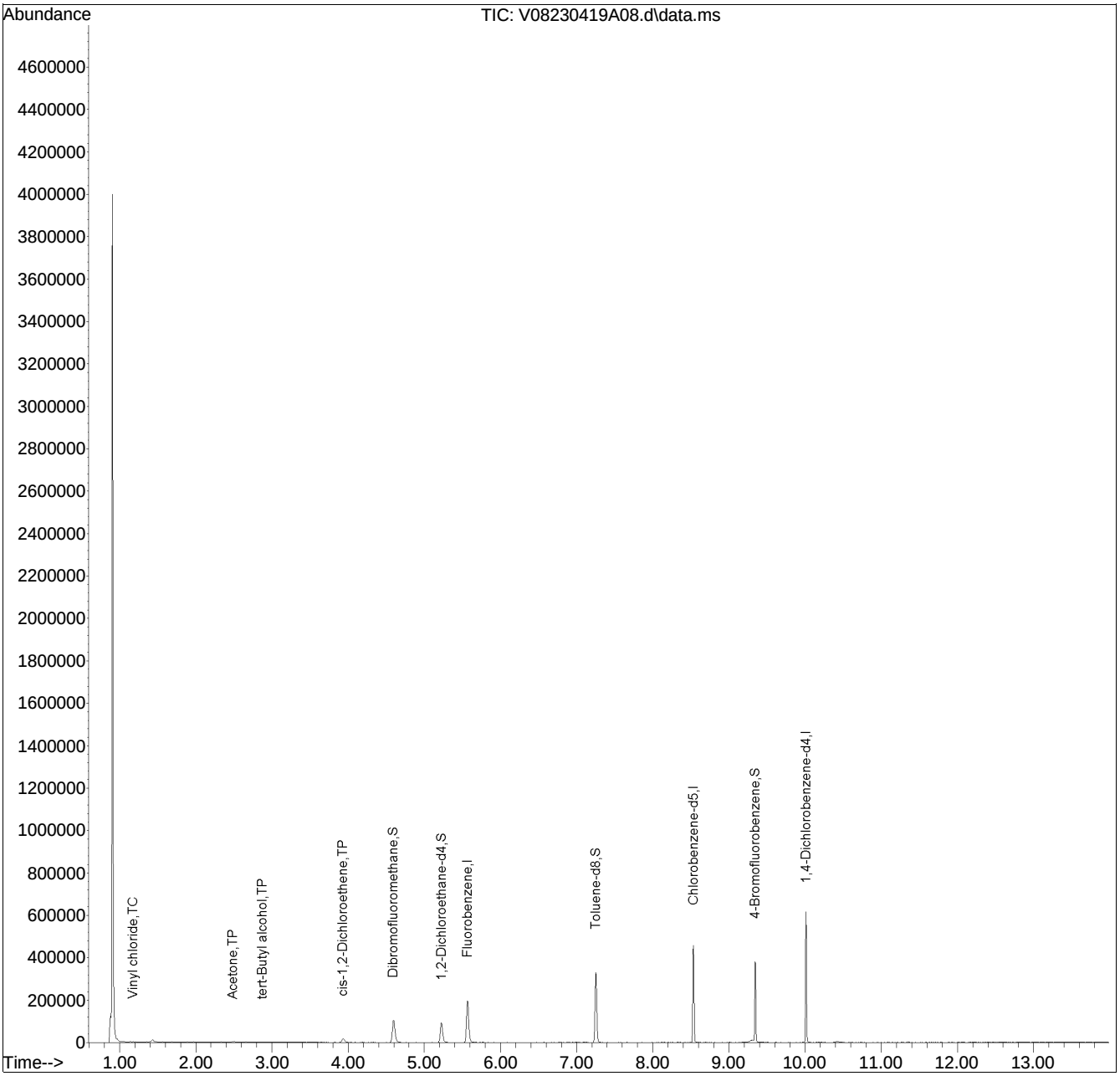
(#) = qualifier out of range (m) = manual integration (+) = signals summed

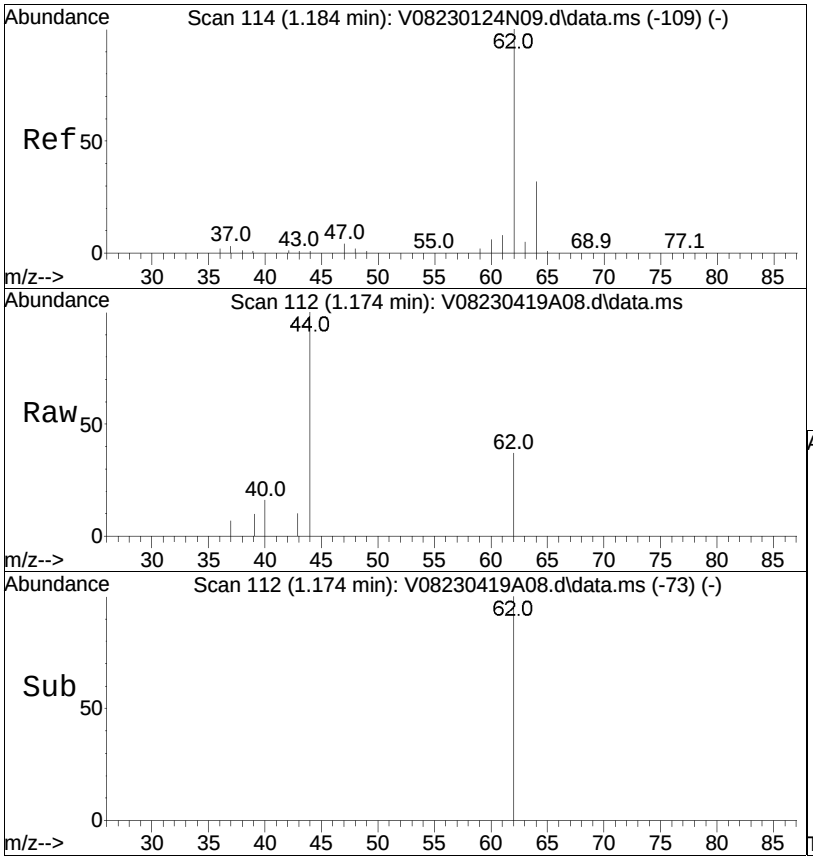
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A08.d
Acq On : 19 Apr 2023 10:44 am
Operator : VOA108:MJV
Sample : L2319240-02,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 20 09:24:05 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

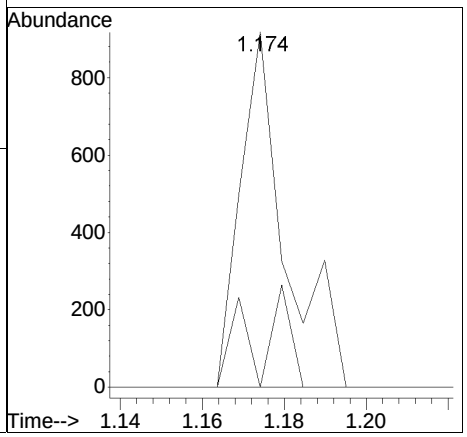


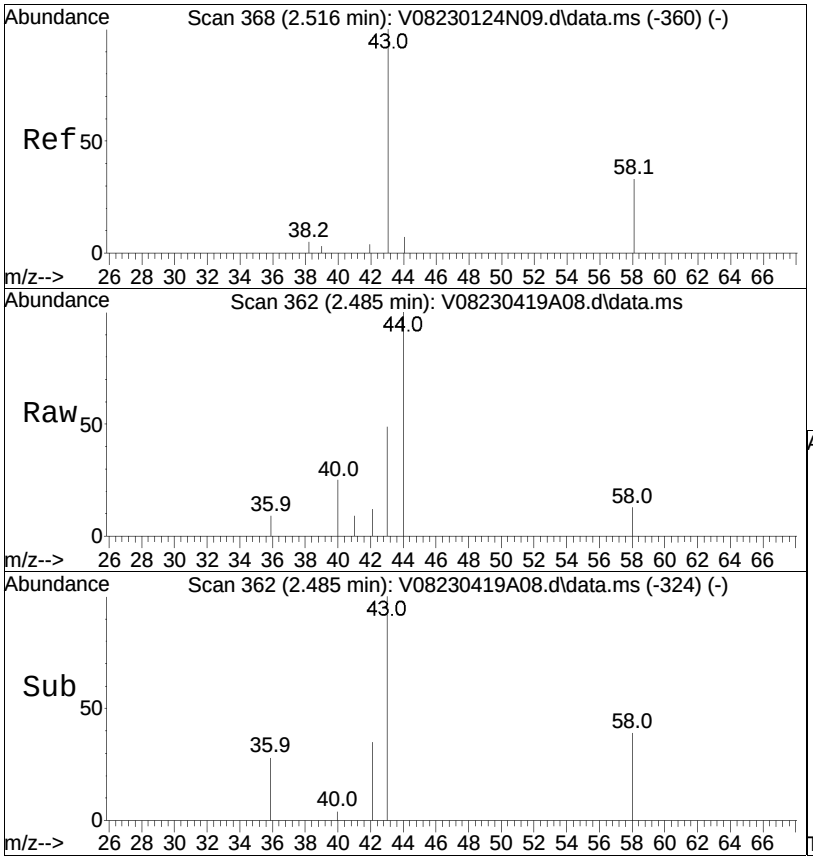



#4
Vinyl chloride
Concen: 0.15 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A08.d
Acq: 19 Apr 2023 10:44 am

Tgt Ion: 62 Resp: 703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 10.4 | 9.1 | 49.1 |

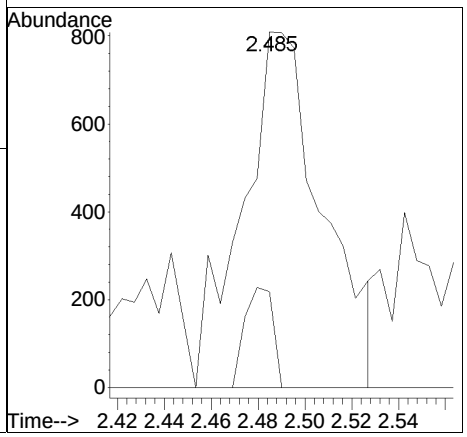


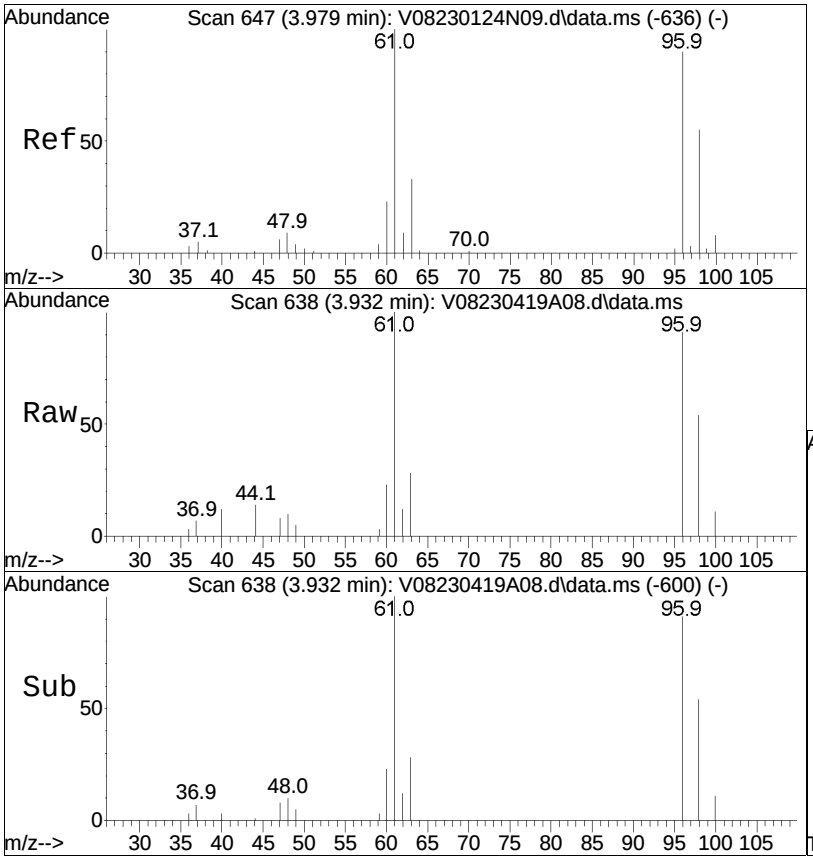



#17
Acetone
Concen: 1.99 ug/L
RT: 2.485 min Scan# 362
Delta R.T. -0.000 min
Lab File: V08230419A08.d
Acq: 19 Apr 2023 10:44 am

Tgt Ion: 43 Resp: 1929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.9 | 24.2 | 36.4# |

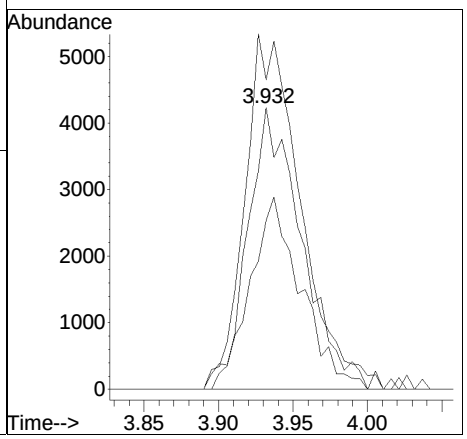





#28
cis-1,2-Dichloroethene
Concen: 1.95 ug/L
RT: 3.932 min Scan# 638
Delta R.T. -0.000 min
Lab File: V08230419A08.d
Acq: 19 Apr 2023 10:44 am

Tgt Ion: 96 Resp: 10710

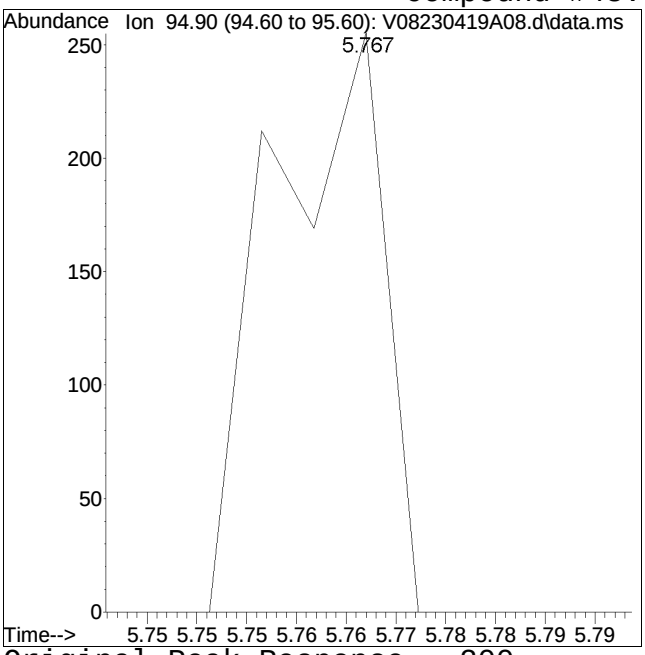
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.0 | 149.4 | 224.2# |
| 98 | 64.4 | 53.4 | 80.2 |



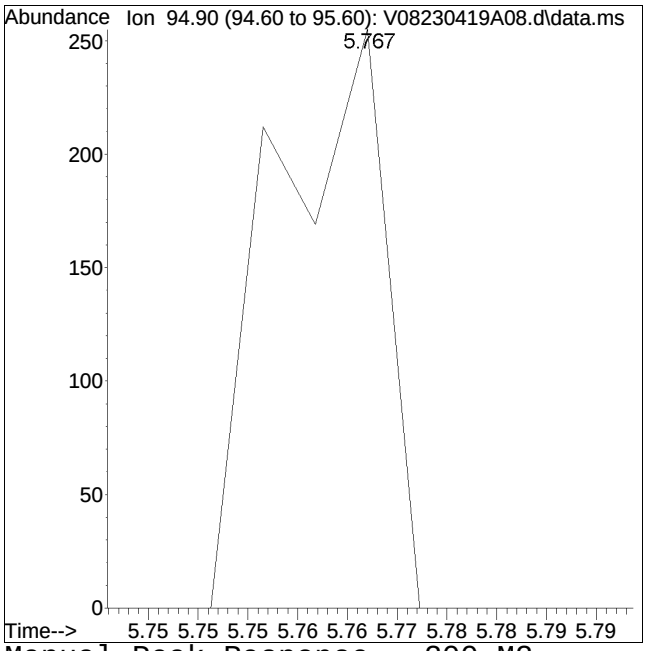
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230419A08.d Operator : VOA108:MJV
Date Inj'd : 4/19/2023 10:44 am Instrument : VOA 108
Sample : L2319240-02,31,10,10,,A Quant Date : 4/20/2023 7:51 am

Compound #48: Trichloroethene




Original Peak Response = 200




Manual Peak Response = 200 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A09.d
Acq On : 19 Apr 2023 11:04 am
Operator : VOA108:MJV
Sample : L2319240-03,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 20 09:24:35 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 187962 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 75.88% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 175035 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 81.48% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 93702 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 71.92% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 80294 | 11.736 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.36% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 72360 | 11.653 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 116.53% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 192537 | 9.443 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.43% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 71294 | 10.218 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 102.18% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. | d | |
| 3) Chloromethane | 0.000 | | 0 | N.D. | d | |
| 4) Vinyl chloride | 1.174 | 62 | 113997 | 24.218 | ug/L | 96 |
| 5) Bromomethane | 1.436 | 94 | 111 | N.D. | | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | d | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 11) Carbon disulfide | 1.950 | 76 | 424 | N.D. | | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | |
| 17) Acetone | 2.485 | 43 | 869 | 0.888 | ug/L # | 54 |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 3906 | 0.428 | ug/L | 92 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 40331 | 7.292 | ug/L # | 70 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A09.d
Acq On : 19 Apr 2023 11:04 am
Operator : VOA108:MJV
Sample : L2319240-03,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 20 09:24:35 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 39) | 2-Butanone | 0.000 | | 0 | N.D. | | |
| 41) | Benzene | 0.000 | | 0 | N.D. | | |
| 44) | 1,2-Dichloroethane | 5.321 | 62 | 55 | N.D. | | |
| 47) | Methyl cyclohexane | 0.000 | | 0 | N.D. | | |
| 48) | Trichloroethene | 0.000 | | 0 | N.D. | | |
| 51) | 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) | Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) | 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) | cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) | Toluene | 0.000 | | 0 | N.D. | | |
| 62) | 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) | Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) | trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 68) | 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) | Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) | 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) | 2-Hexanone | 0.000 | | 0 | N.D. | d | |
| 73) | Chlorobenzene | 0.000 | | 0 | N.D. | d | |
| 74) | Ethylbenzene | 8.588 | 91 | 285 | N.D. | | |
| 76) | p/m Xylene | 8.682 | 106 | 126 | N.D. | | |
| 77) | o Xylene | 0.000 | | 0 | N.D. | | |
| 78) | Styrene | 9.007 | 104 | 155 | N.D. | | |
| 80) | Bromoform | 0.000 | | 0 | N.D. | | |
| 82) | Isopropylbenzene | 9.185 | 105 | 66 | N.D. | | |
| 87) | 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) | 1,3-Dichlorobenzene | 9.972 | 146 | 160 | N.D. | | |
| 101) | 1,4-Dichlorobenzene | 10.024 | 146 | 344 | N.D. | | |
| 104) | 1,2-Dichlorobenzene | 10.255 | 146 | 393 | N.D. | | |
| 106) | 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) | 1,2,4-Trichlorobenzene | 11.083 | 180 | 174 | N.D. | | |
| 111) | 1,2,3-Trichlorobenzene | 11.367 | 180 | 62 | N.D. | | |

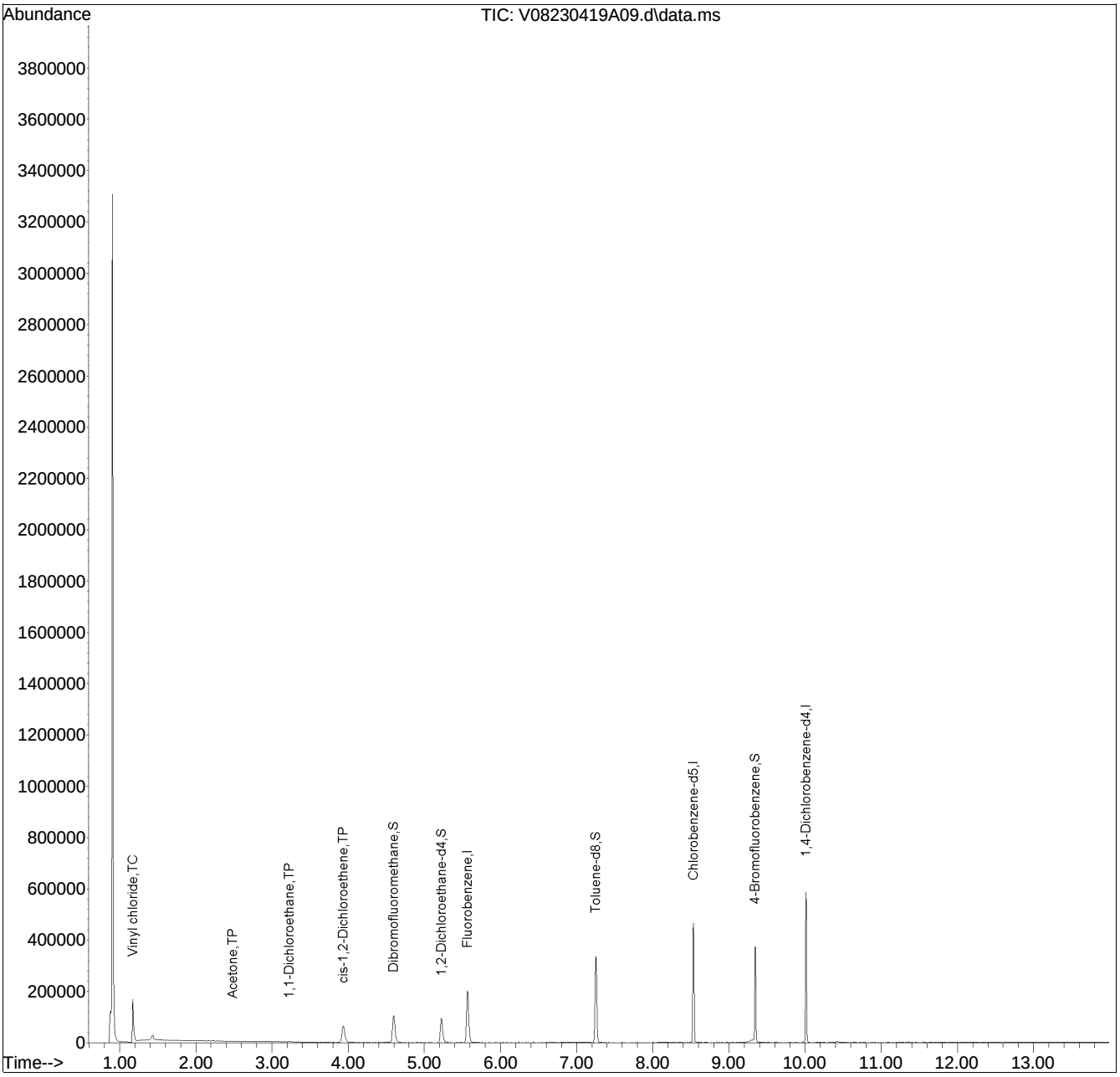
(#) = qualifier out of range (m) = manual integration (+) = signals summed

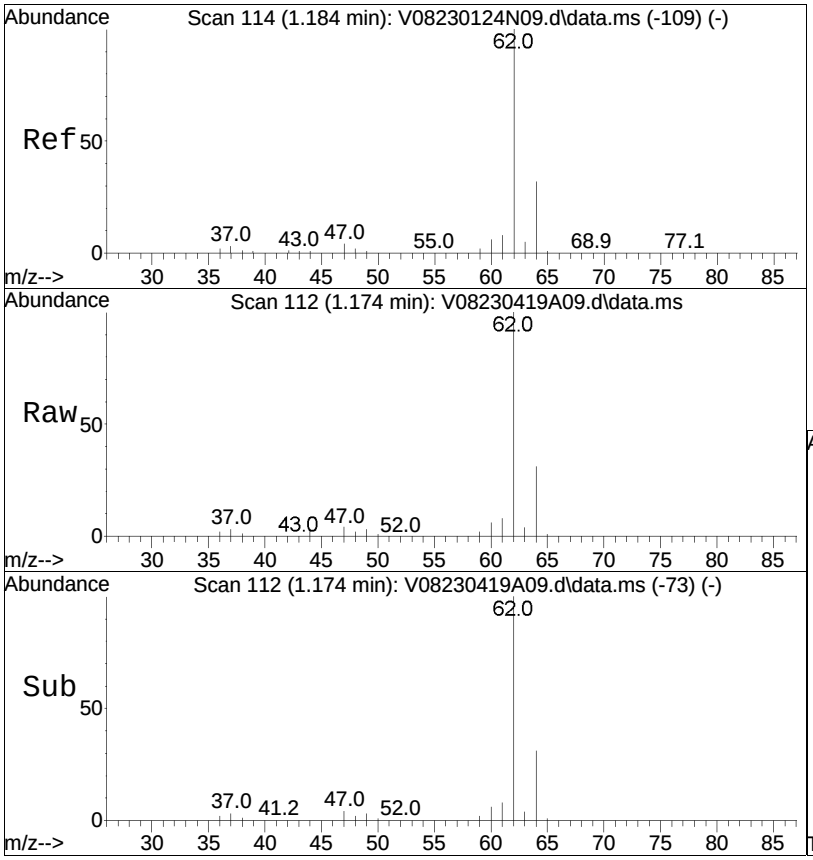
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A09.d
Acq On : 19 Apr 2023 11:04 am
Operator : VOA108:MJV
Sample : L2319240-03,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 20 09:24:35 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

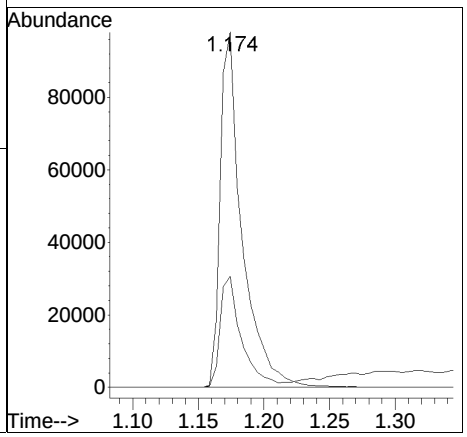


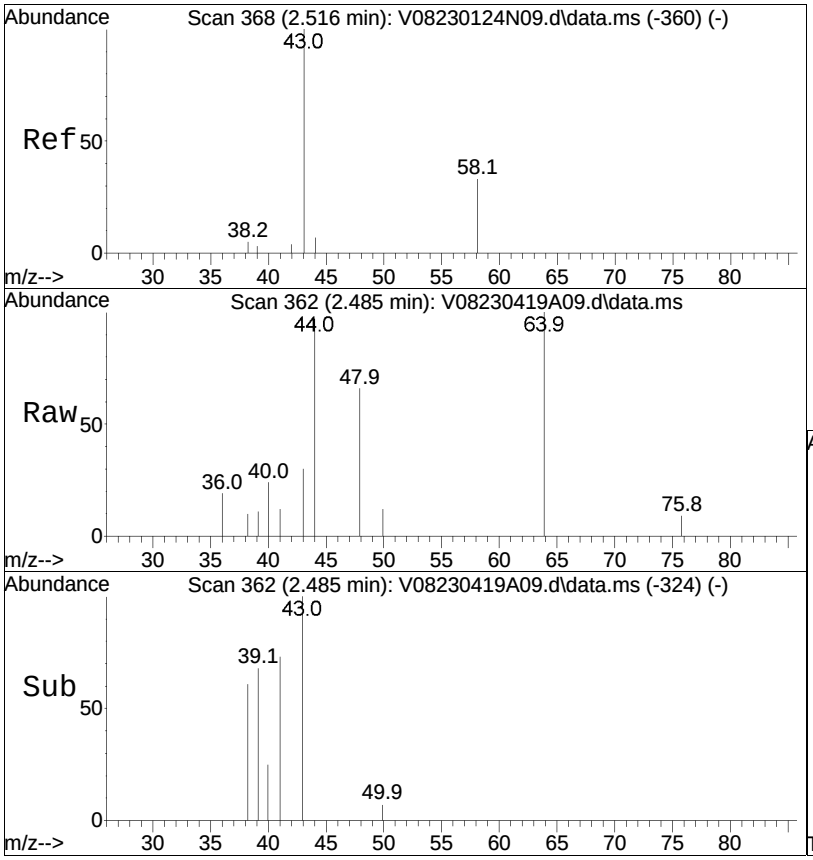



#4
Vinyl chloride
Concen: 24.22 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A09.d
Acq: 19 Apr 2023 11:04 am

Tgt Ion: 62 Resp: 113997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.2 | 9.1 | 49.1 |

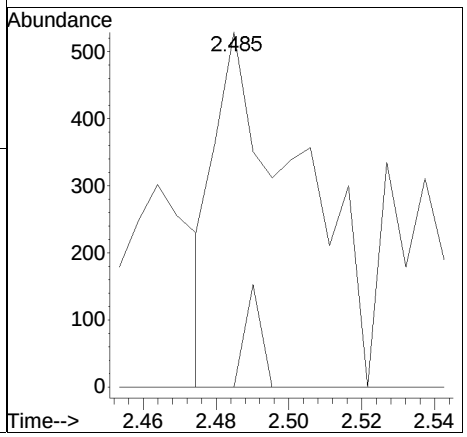


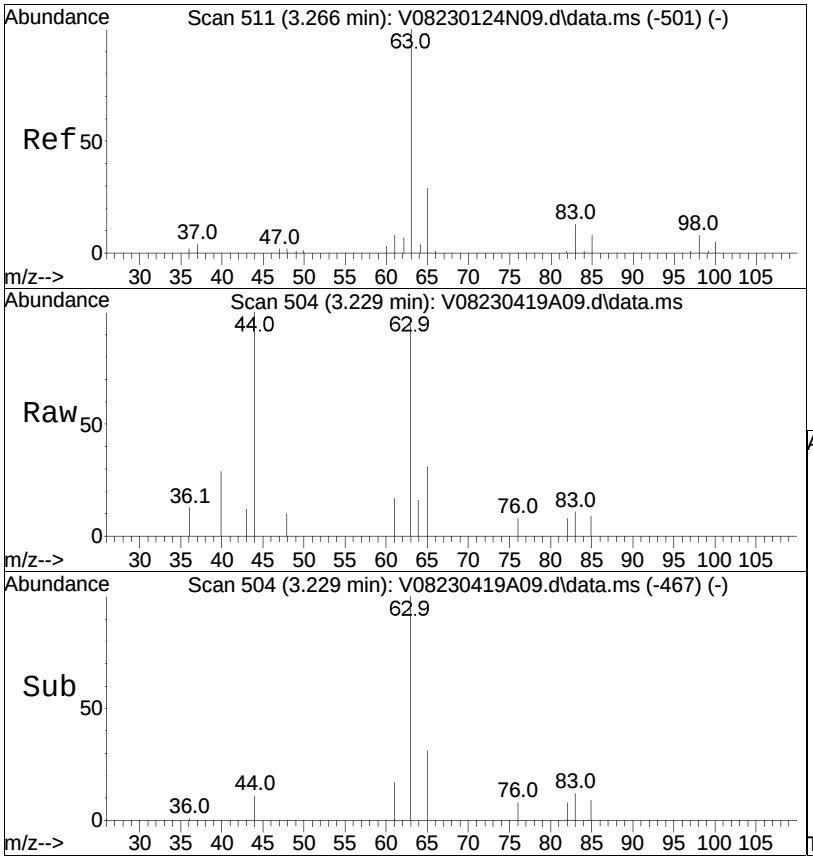



#17
Acetone
Concen: 0.89 ug/L
RT: 2.485 min Scan# 362
Delta R.T. -0.000 min
Lab File: V08230419A09.d
Acq: 19 Apr 2023 11:04 am

Tgt Ion: 43 Resp: 869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 5.5 | 24.2 | 36.4# |

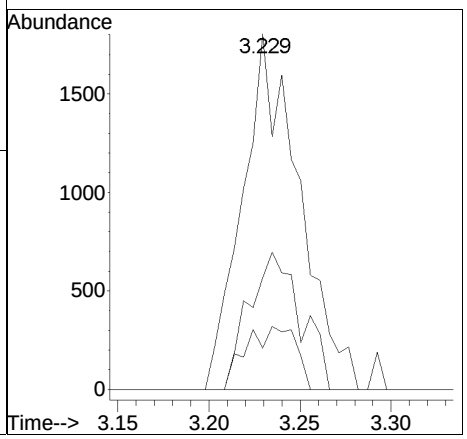


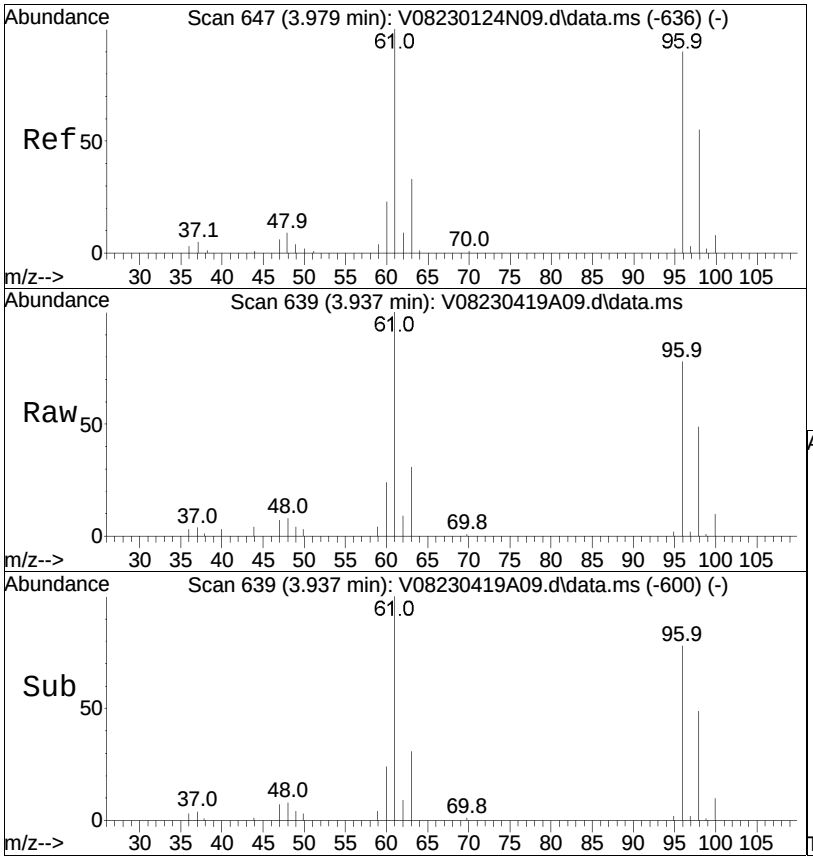



#23
1,1-Dichloroethane
Concen: 0.43 ug/L
RT: 3.229 min Scan# 504
Delta R.T. -0.006 min
Lab File: V08230419A09.d
Acq: 19 Apr 2023 11:04 am

Tgt Ion: 63 Resp: 3906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 35.2 | 11.0 | 51.0 |
| 83 | 15.7 | 0.0 | 31.8 |

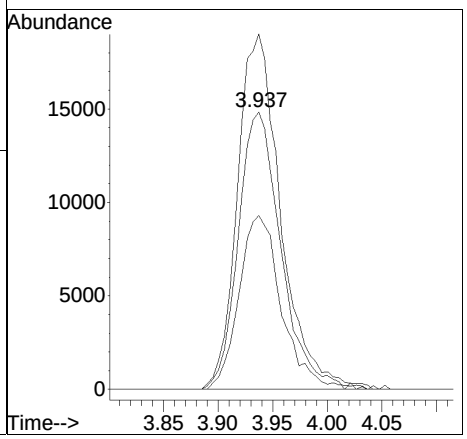





#28
cis-1,2-Dichloroethene
Concen: 7.29 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A09.d
Acq: 19 Apr 2023 11:04 am

Tgt Ion: 96 Resp: 40331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.0 | 149.4 | 224.2# |
| 98 | 62.6 | 53.4 | 80.2 |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A09.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 11:04 am | Instrument | : VOA 108 |
| Sample | : L2319240-03,31,10,10,,A | Quant Date | : 4/20/2023 7:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A10.d
Acq On : 19 Apr 2023 11:25 am
Operator : VOA108:MJV
Sample : L2319240-04,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 20 09:25:15 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 186013 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 75.09% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 172004 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 80.07% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 90002 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 69.08% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 80143 | 11.837 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 118.37% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 72468 | 11.793 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.93% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 189890 | 9.477 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.77% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 67797 | 10.116 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.16% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. | d | |
| 3) Chloromethane | 0.000 | | 0 | N.D. | d | |
| 4) Vinyl chloride | 1.174 | 62 | 525214 | 112.750 | ug/L | 83 |
| 5) Bromomethane | 0.000 | | 0 | N.D. | d | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | d | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 1.945 | 96 | 1035 | 0.236 | ug/L # | 71 |
| 11) Carbon disulfide | 1.950 | 76 | 1855 | 0.138 | ug/L # | 90 |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 2145 | 0.427 | ug/L # | 83 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 3.234 | 63 | 31789 | 3.519 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 687554 | 125.620 | ug/L # | 71 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A10.d
Acq On : 19 Apr 2023 11:25 am
Operator : VOA108:MJV
Sample : L2319240-04,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 20 09:25:15 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 37) | 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) | 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) | Benzene | 5.048 | 78 | 1498 | 0.091 | ug/L | # | 62 |
| 44) | 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 47) | Methyl cyclohexane | 0.000 | | 0 | N.D. | | | |
| 48) | Trichloroethene | 5.630 | 95 | 58 | N.D. | | | |
| 51) | 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | | |
| 54) | Bromodichloromethane | 0.000 | | 0 | N.D. | | | |
| 57) | 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 58) | cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | | |
| 61) | Toluene | 0.000 | | 0 | N.D. | | | |
| 62) | 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | | |
| 63) | Tetrachloroethene | 0.000 | | 0 | N.D. | | | |
| 65) | trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | | |
| 68) | 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 69) | Chlorodibromomethane | 0.000 | | 0 | N.D. | | | |
| 71) | 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | | |
| 72) | 2-Hexanone | 0.000 | | 0 | N.D. | d | | |
| 73) | Chlorobenzene | 0.000 | | 0 | N.D. | d | | |
| 74) | Ethylbenzene | 0.000 | | 0 | N.D. | d | | |
| 76) | p/m Xylene | 8.692 | 106 | 104 | N.D. | | | |
| 77) | o Xylene | 0.000 | | 0 | N.D. | | | |
| 78) | Styrene | 9.012 | 104 | 182 | N.D. | | | |
| 80) | Bromoform | 0.000 | | 0 | N.D. | | | |
| 82) | Isopropylbenzene | 9.185 | 105 | 71 | N.D. | | | |
| 87) | 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | | |
| 100) | 1,3-Dichlorobenzene | 9.972 | 146 | 259 | N.D. | | | |
| 101) | 1,4-Dichlorobenzene | 10.019 | 146 | 388 | N.D. | | | |
| 104) | 1,2-Dichlorobenzene | 10.255 | 146 | 306 | N.D. | | | |
| 106) | 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | | |
| 109) | 1,2,4-Trichlorobenzene | 11.088 | 180 | 161 | N.D. | | | |
| 111) | 1,2,3-Trichlorobenzene | 11.366 | 180 | 106 | N.D. | | | |

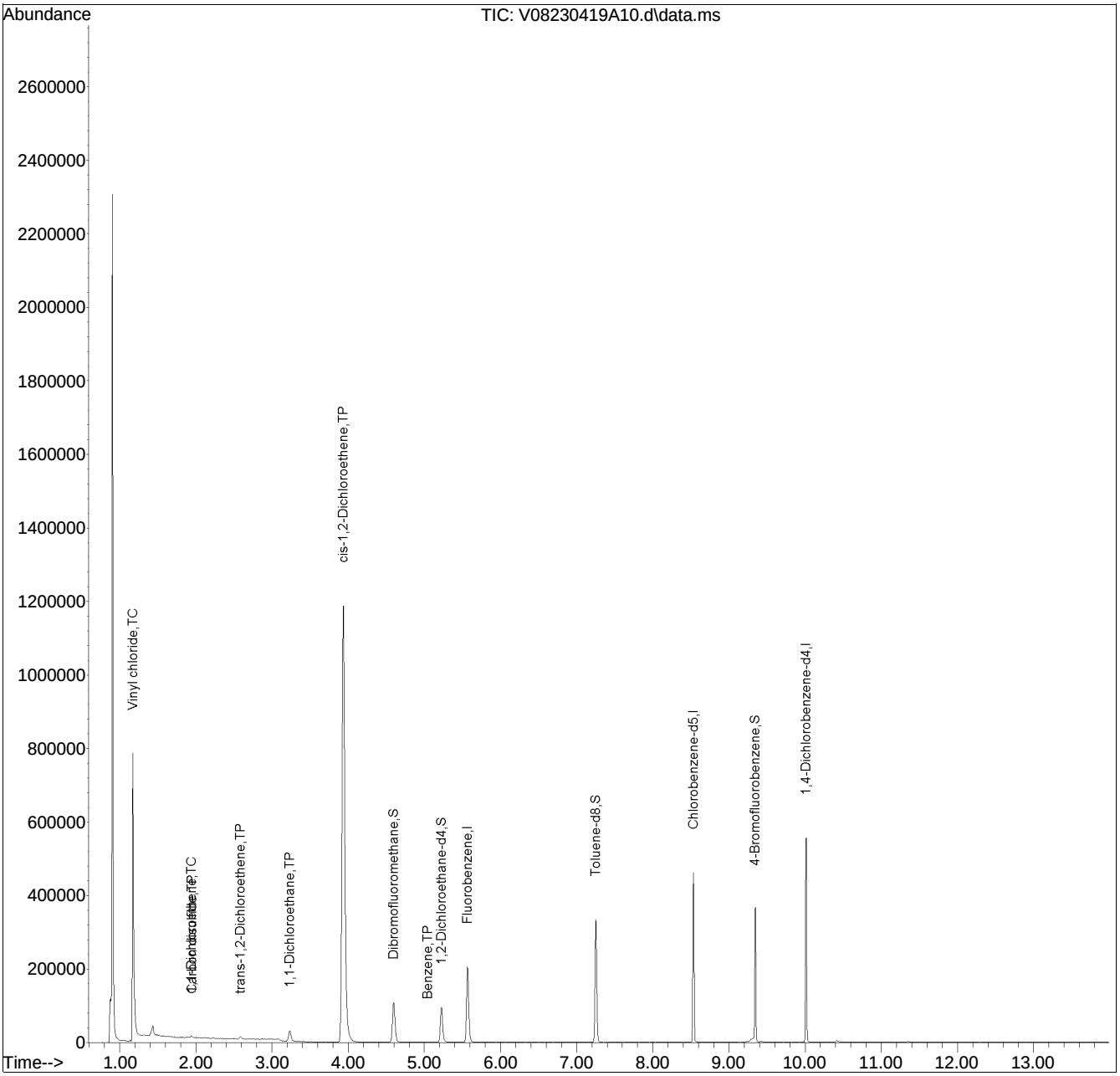
(#) = qualifier out of range (m) = manual integration (+) = signals summed

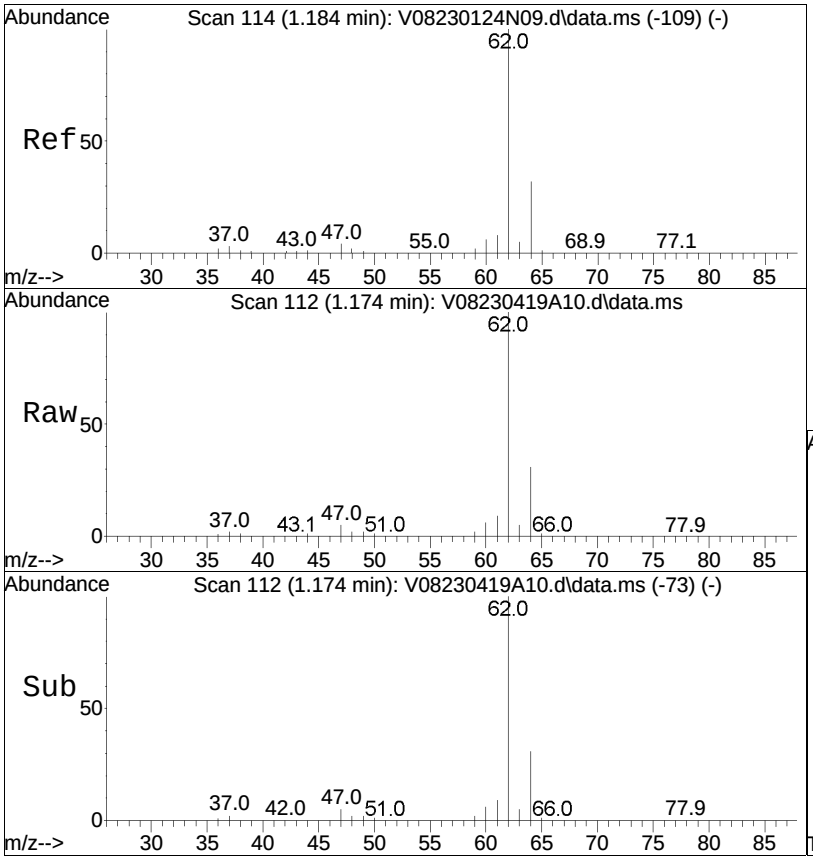
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A10.d
Acq On : 19 Apr 2023 11:25 am
Operator : VOA108:MJV
Sample : L2319240-04,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 20 09:25:15 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

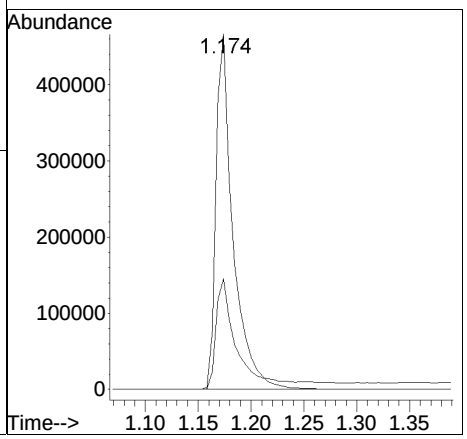


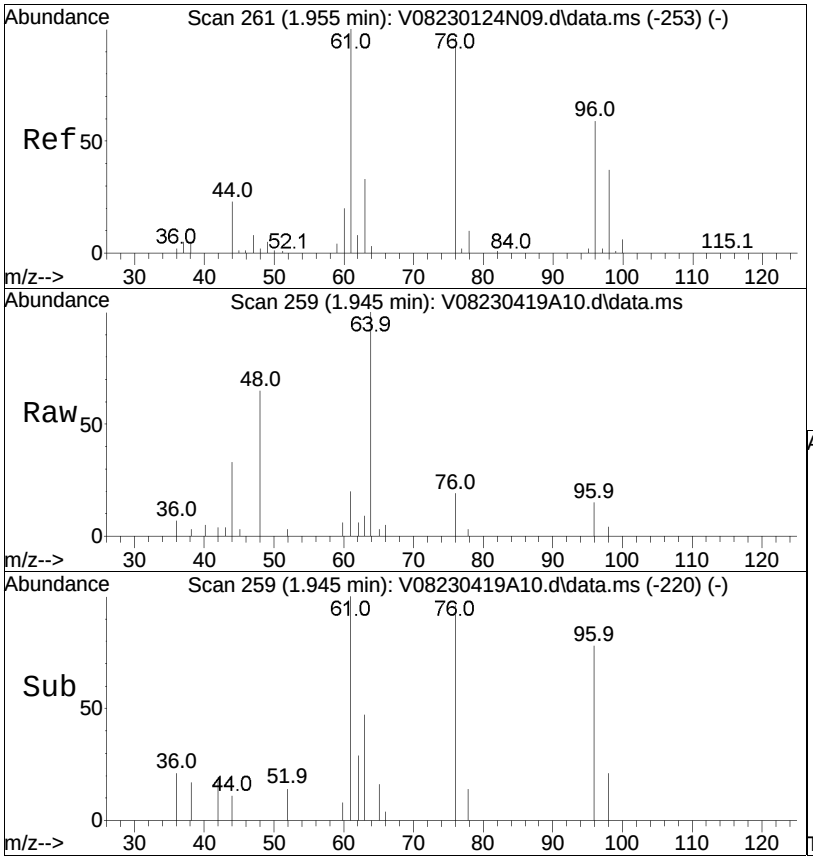



#4
Vinyl chloride
Concen: 112.75 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 62 Resp: 525214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 38.4 | 9.1 | 49.1 |

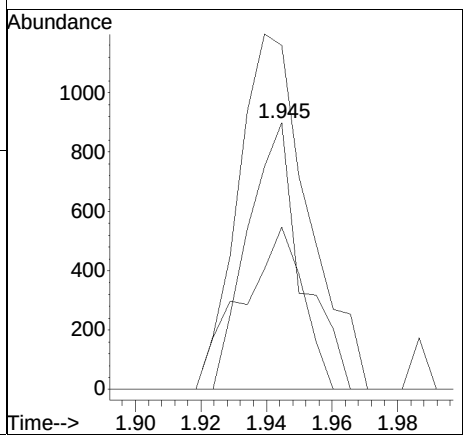


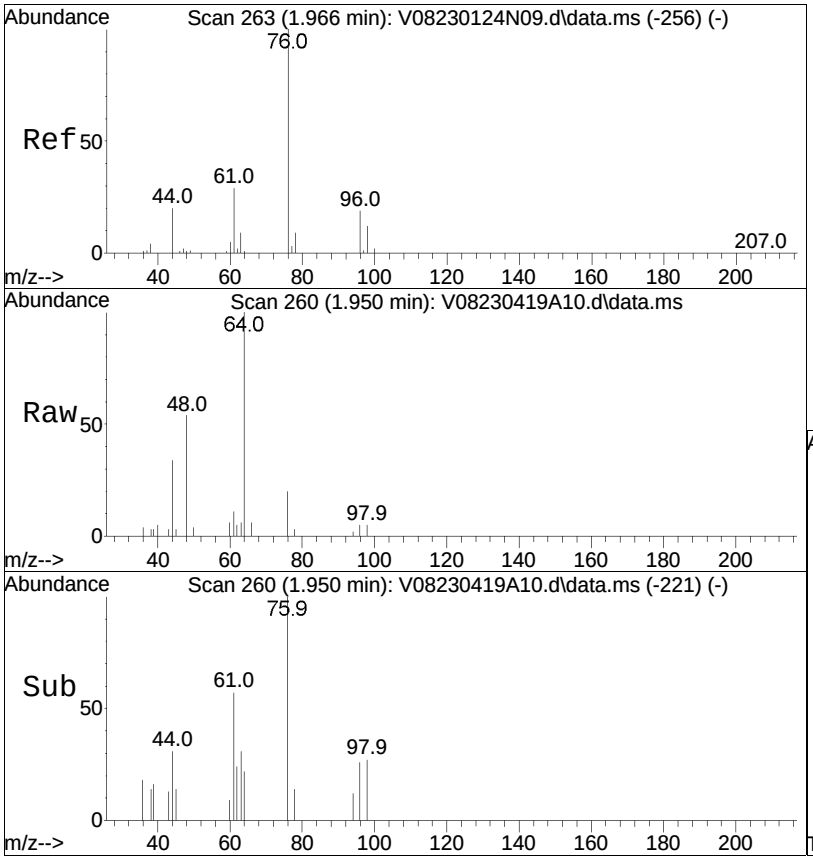



#10
1,1-Dichloroethene
Concen: 0.24 ug/L
RT: 1.945 min Scan# 259
Delta R.T. 0.005 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 96 Resp: 1035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.9 | 186.1 | 279.1# |
| 63 | 68.7 | 57.6 | 86.4 |

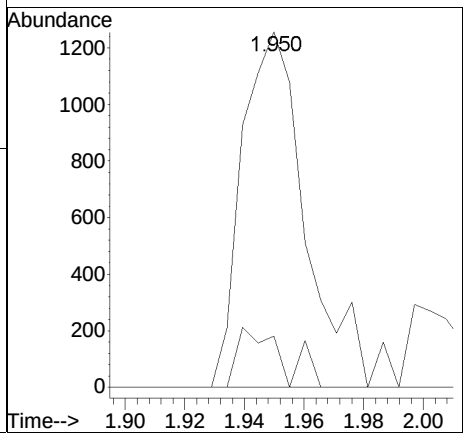


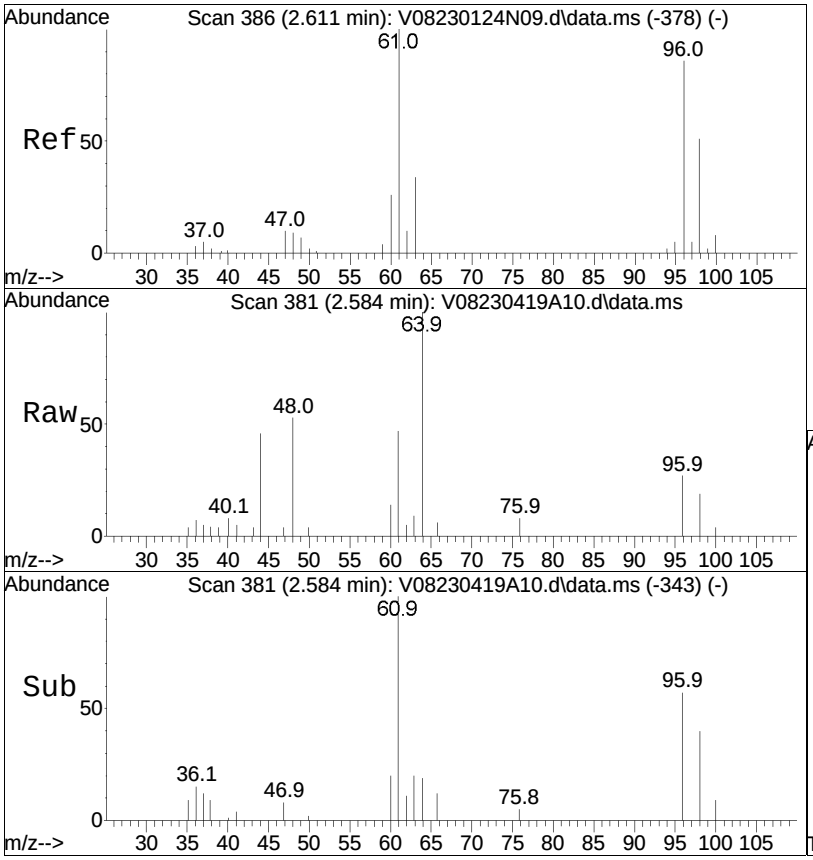



#11
Carbon disulfide
Concen: 0.14 ug/L
RT: 1.950 min Scan# 260
Delta R.T. 0.005 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 76 Resp: 1855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.1 | 5.7 | 11.7# |

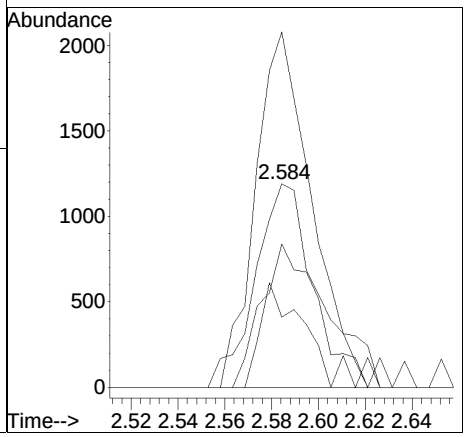


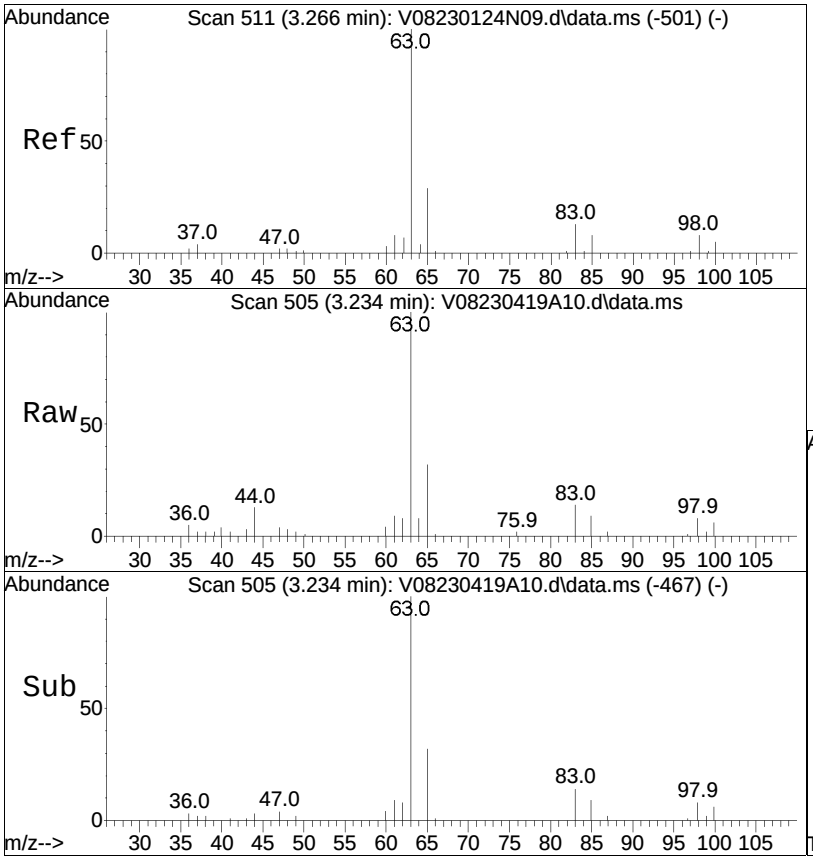



#18
trans-1,2-Dichloroethene
Concen: 0.43 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 96 Resp: 2145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.7 | 124.0 | 257.6 |
| 98 | 65.8 | 41.2 | 85.6 |
| 63 | 34.6 | 38.4 | 79.7# |

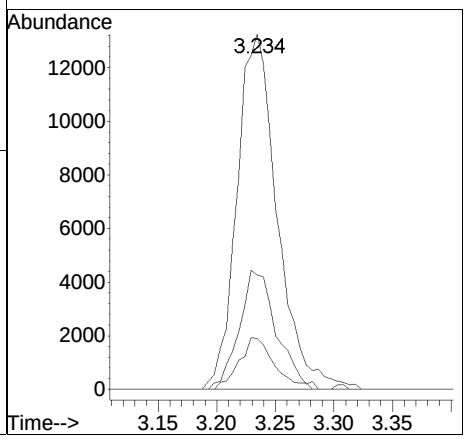


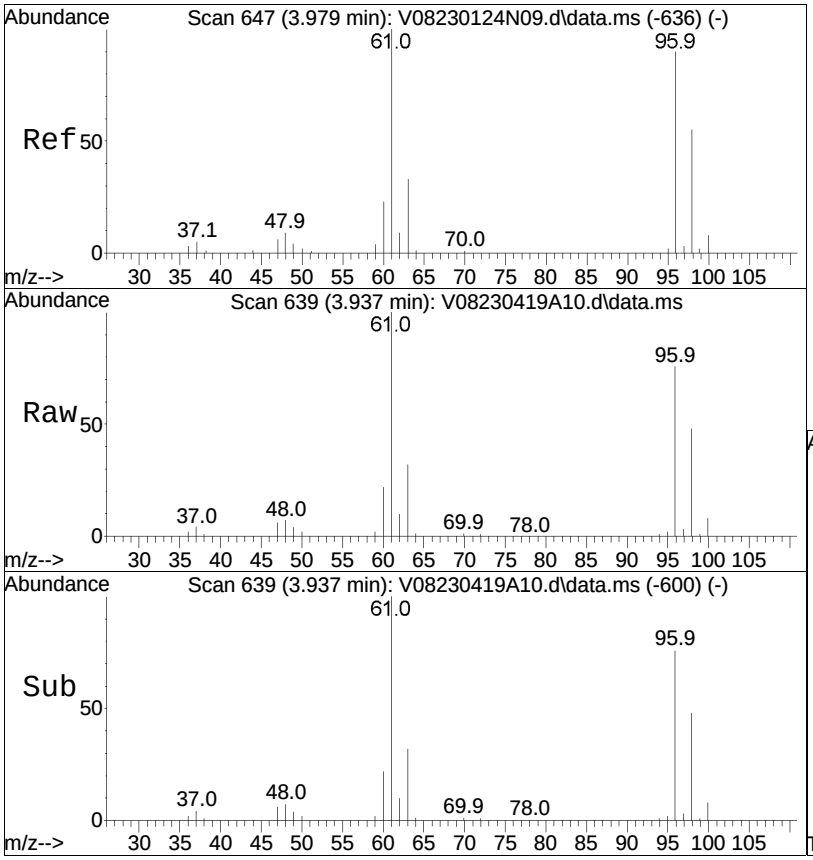



#23
1,1-Dichloroethane
Concen: 3.52 ug/L
RT: 3.234 min Scan# 505
Delta R.T. -0.001 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 63 Resp: 31789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 11.0 | 51.0 |
| 83 | 12.7 | 0.0 | 31.8 |

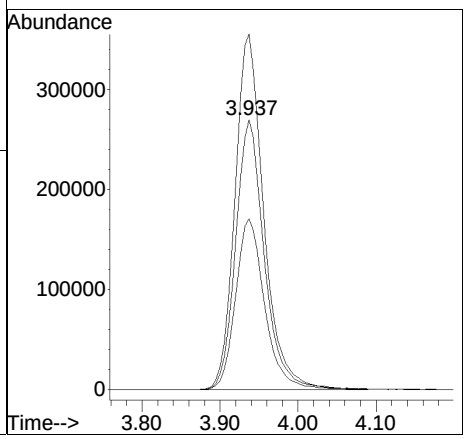


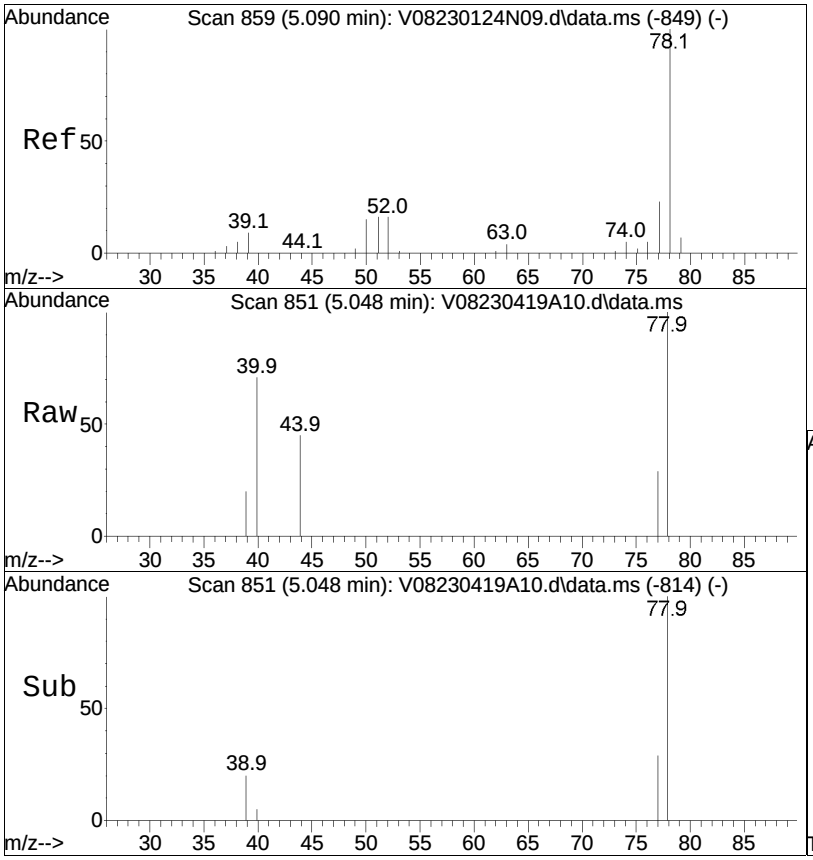



#28
cis-1,2-Dichloroethene
Concen: 125.62 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 96 Resp: 687554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.2 | 149.4 | 224.2# |
| 98 | 64.3 | 53.4 | 80.2 |

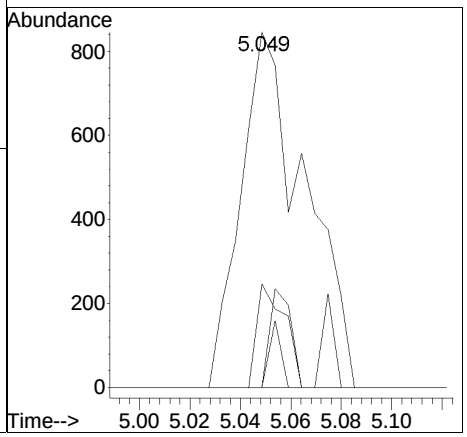





#41
Benzene
Concen: 0.09 ug/L
RT: 5.048 min Scan# 851
Delta R.T. -0.006 min
Lab File: V08230419A10.d
Acq: 19 Apr 2023 11:25 am

Tgt Ion: 78 Resp: 1498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 12.7 | 15.7 | 32.7# |
| 51 | 0.0 | 16.0 | 33.2# |
| 52 | 3.3 | 15.3 | 31.9# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A10.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 11:25 am | Instrument | : VOA 108 |
| Sample | : L2319240-04,31,10,10,,A | Quant Date | : 4/20/2023 7:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A11.d
Acq On : 19 Apr 2023 11:46 am
Operator : VOA108:MJV
Sample : L2319240-05D,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 20 09:25:58 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 197596 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 79.77% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 179715 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 83.66% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 94795 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 72.76% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 82895 | 11.526 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 115.26% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 76530 | 11.724 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.24% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 201107 | 9.606 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.06% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 72069 | 10.210 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 102.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.880 | 85 | 141 | N.D. | | |
| 3) Chloromethane | 1.169 | 50 | 222 | N.D. | | |
| 4) Vinyl chloride | 1.174 | 62 | 29583 | 5.978 | ug/L | 96 |
| 5) Bromomethane | 1.441 | 94 | 69 | N.D. | | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | d | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 2538 | 0.544 | ug/L # | 73 |
| 11) Carbon disulfide | 1.950 | 76 | 900 | N.D. | | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 2.427 | 84 | 52 | N.D. | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 1835 | 0.344 | ug/L | 89 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 15078 | 1.571 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 617378 | 106.186 | ug/L # | 71 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 4.577 | 117 | 54 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A11.d
Acq On : 19 Apr 2023 11:46 am
Operator : VOA108:MJV
Sample : L2319240-05D,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 20 09:25:58 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 4.587 | 97 | 2705 | 0.352 | ug/L # | 26 |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | |
| 41) Benzene | 0.000 | | 0 | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 47) Methyl cyclohexane | 0.000 | | 0 | N.D. | d | |
| 48) Trichloroethene | 5.762 | 95 | 51199 | 10.103 | ug/L | 89 |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) Toluene | 7.298 | 92 | 136 | N.D. | | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) 2-Hexanone | 0.000 | | 0 | N.D. | d | |
| 73) Chlorobenzene | 8.546 | 112 | 114 | N.D. | | |
| 74) Ethylbenzene | 8.692 | 91 | 197 | N.D. | | |
| 76) p/m Xylene | 8.692 | 106 | 54 | N.D. | | |
| 77) o Xylene | 0.000 | | 0 | N.D. | | |
| 78) Styrene | 0.000 | | 0 | N.D. | | |
| 80) Bromoform | 0.000 | | 0 | N.D. | | |
| 82) Isopropylbenzene | 9.337 | 105 | 61 | N.D. | | |
| 87) 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) 1,3-Dichlorobenzene | 9.972 | 146 | 136 | N.D. | | |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 329 | N.D. | | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 237 | N.D. | | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) 1,2,4-Trichlorobenzene | 0.000 | | 0 | N.D. | | |
| 111) 1,2,3-Trichlorobenzene | 0.000 | | 0 | N.D. | | |

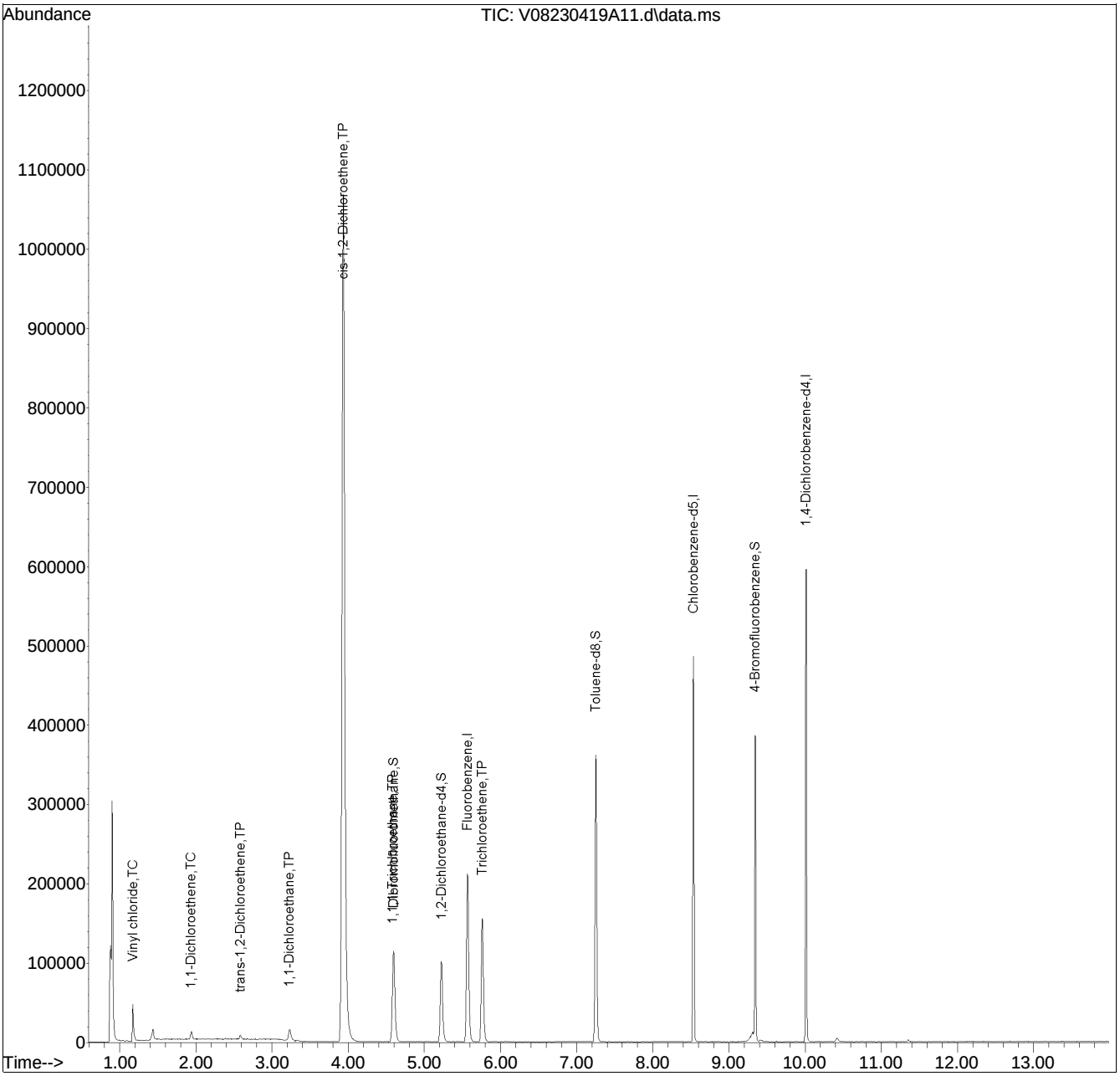
(#) = qualifier out of range (m) = manual integration (+) = signals summed

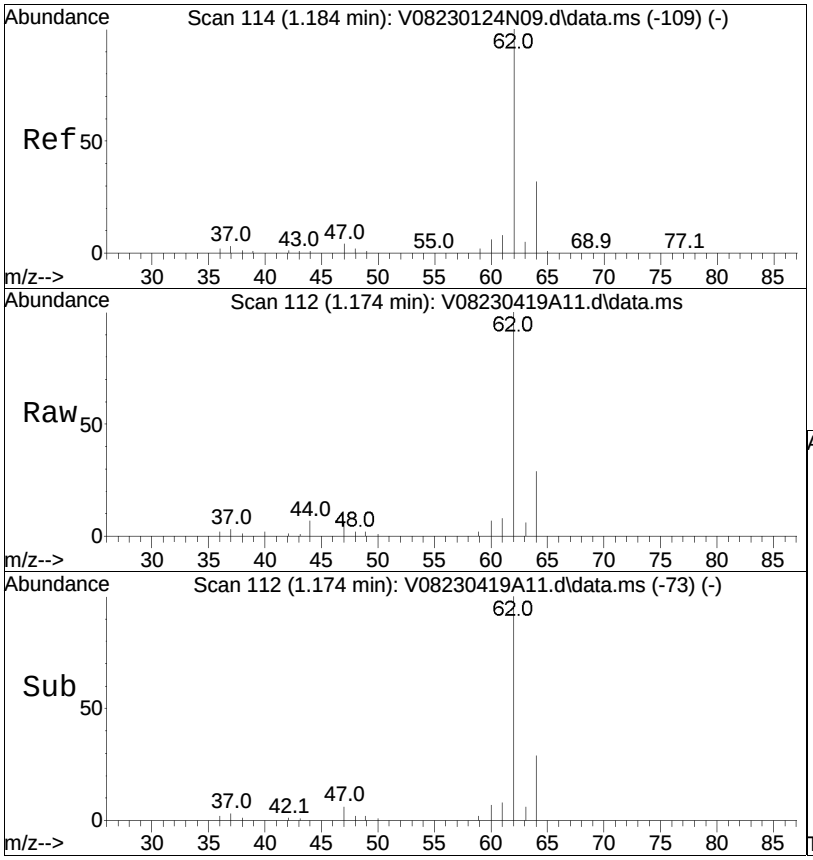
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A11.d
Acq On : 19 Apr 2023 11:46 am
Operator : VOA108:MJV
Sample : L2319240-05D,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 20 09:25:58 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

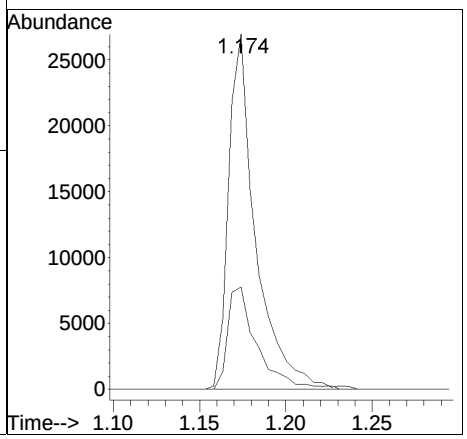


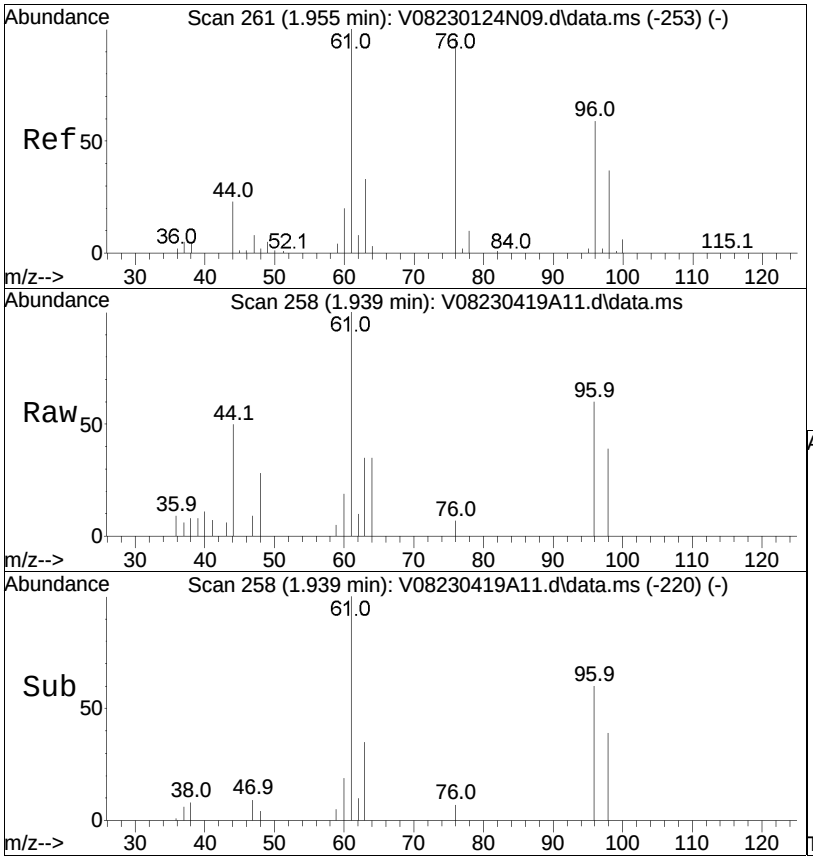



#4
Vinyl chloride
Concen:  5.98 ug/L
RT:  1.174 min  Scan# 112
Delta R.T.  0.005 min
Lab File:  V08230419A11.d
Acq: 19 Apr 2023  11:46 am

Tgt Ion: 62 Resp:  29583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.2 | 9.1 | 49.1 |

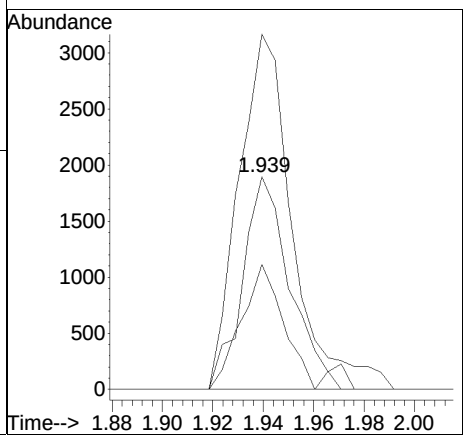


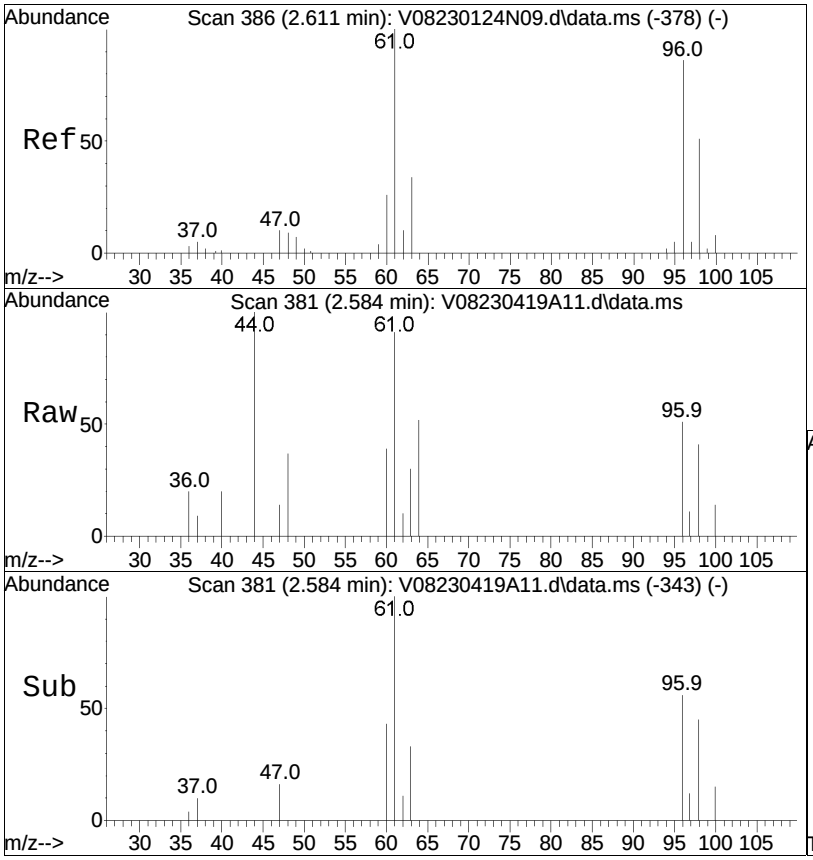



#10
1,1-Dichloroethene
Concen: 0.54 ug/L
RT: 1.939 min Scan# 258
Delta R.T. -0.001 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 96 Resp: 2538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.5 | 186.1 | 279.1# |
| 63 | 53.0 | 57.6 | 86.4# |

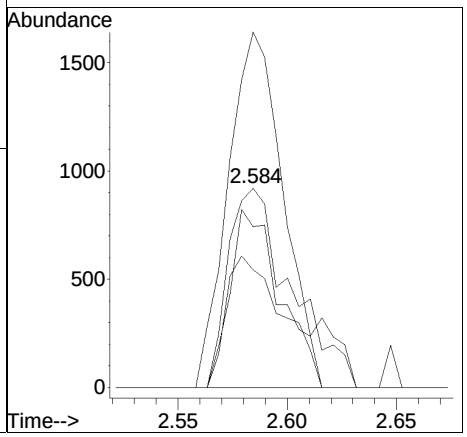


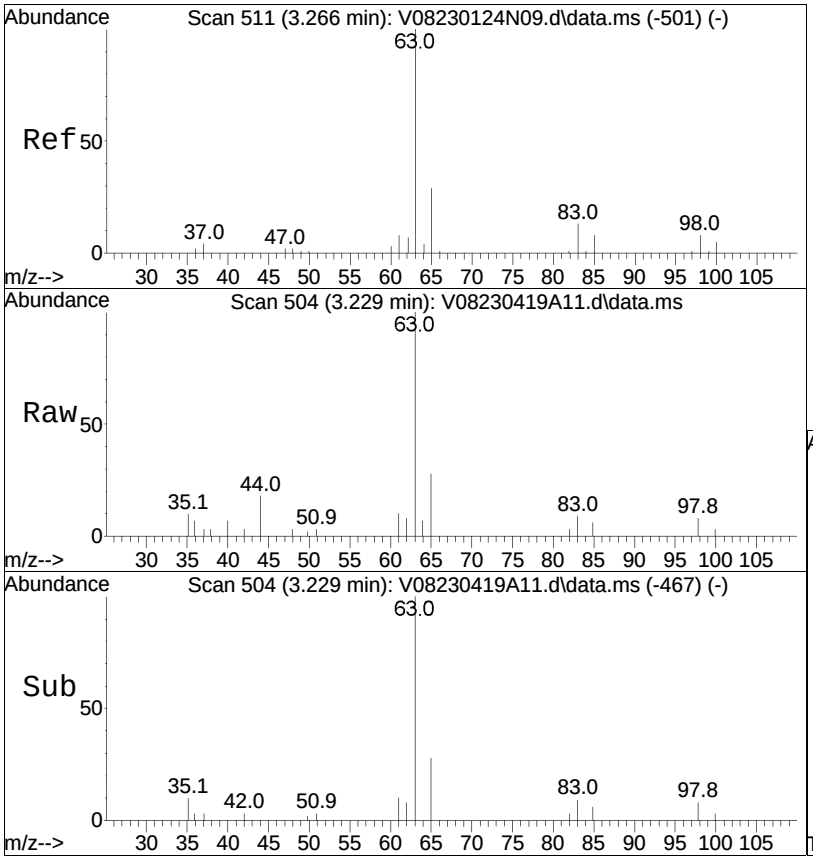



#18
trans-1,2-Dichloroethene
Concen: 0.34 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 96 Resp: 1835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.5 | 124.0 | 257.6 |
| 98 | 72.1 | 41.2 | 85.6 |
| 63 | 59.3 | 38.4 | 79.7 |

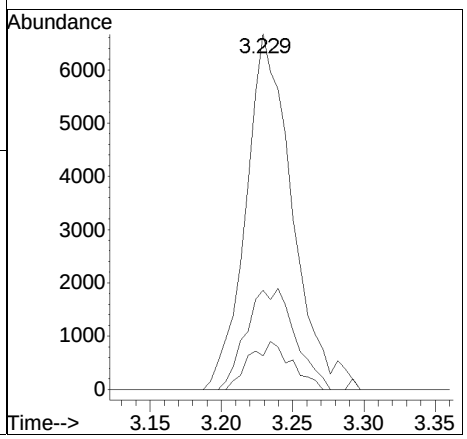


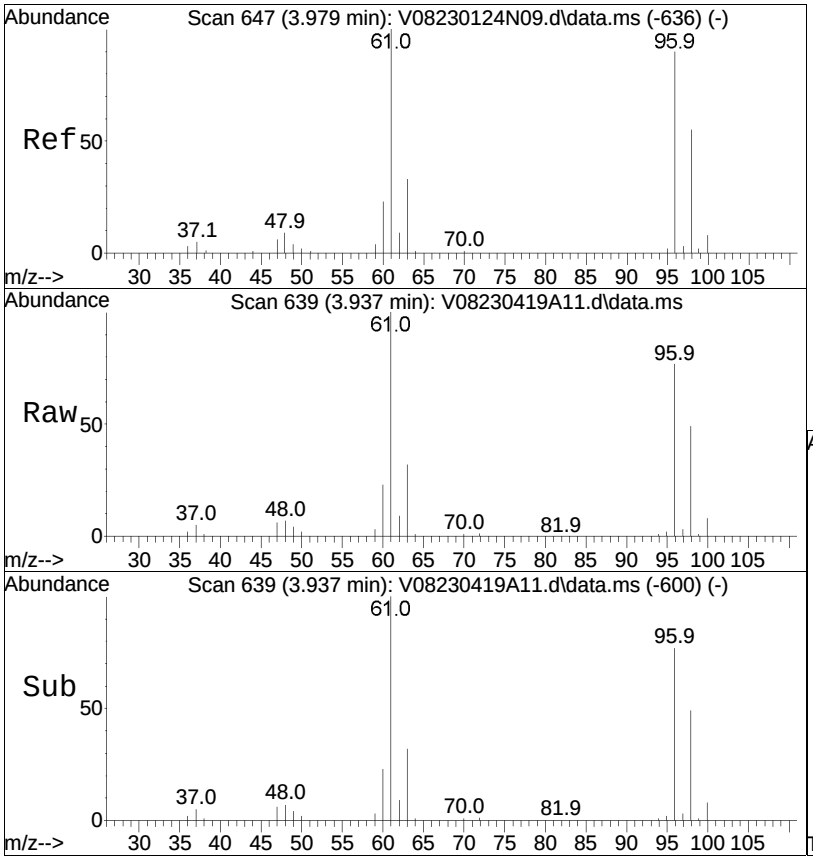



#23
1,1-Dichloroethane
Concen: 1.57 ug/L
RT: 3.229 min Scan# 504
Delta R.T. -0.006 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 63 Resp: 15078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.7 | 11.0 | 51.0 |
| 83 | 12.2 | 0.0 | 31.8 |

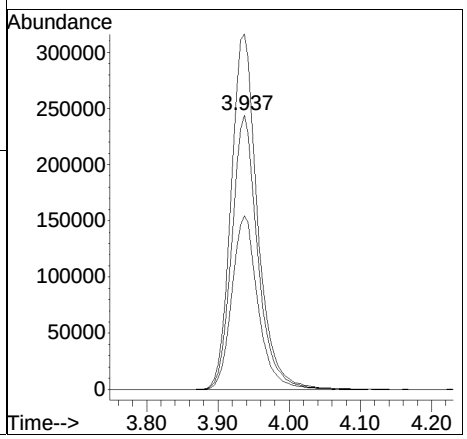


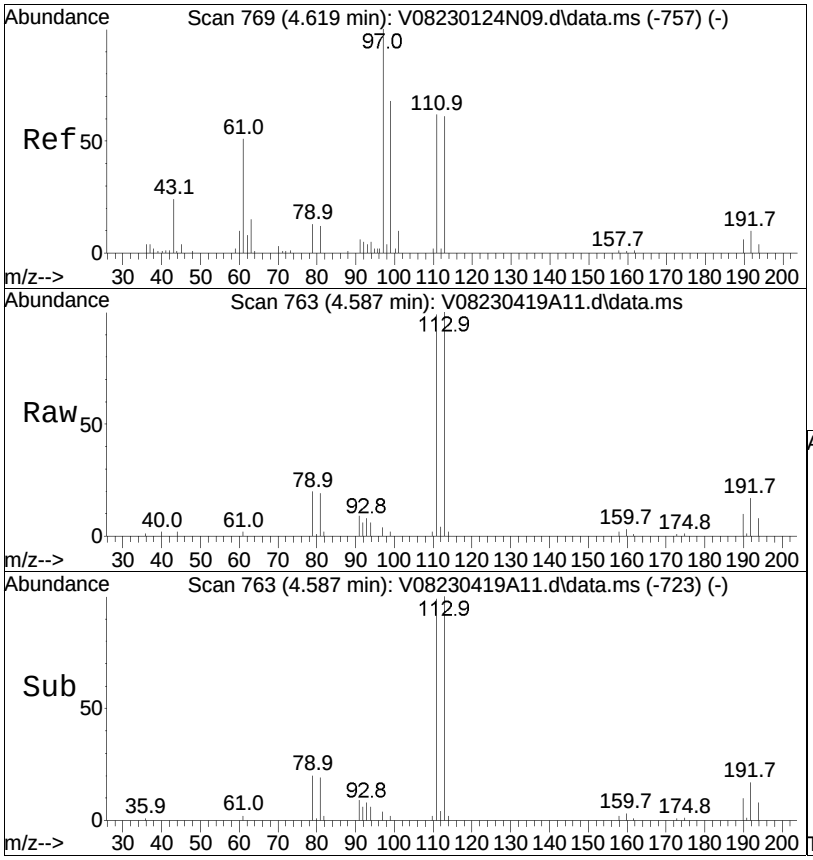



#28
cis-1,2-Dichloroethene
Concen: 106.19 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 96 Resp: 617378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.1 | 149.4 | 224.2# |
| 98 | 64.1 | 53.4 | 80.2 |

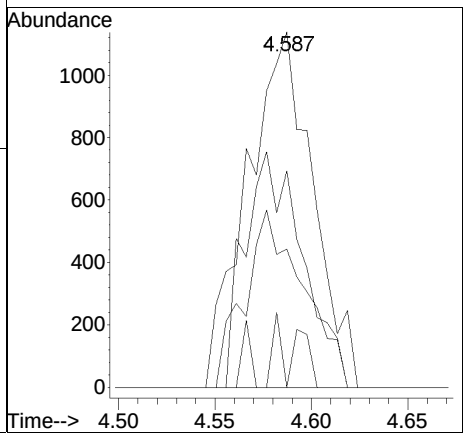


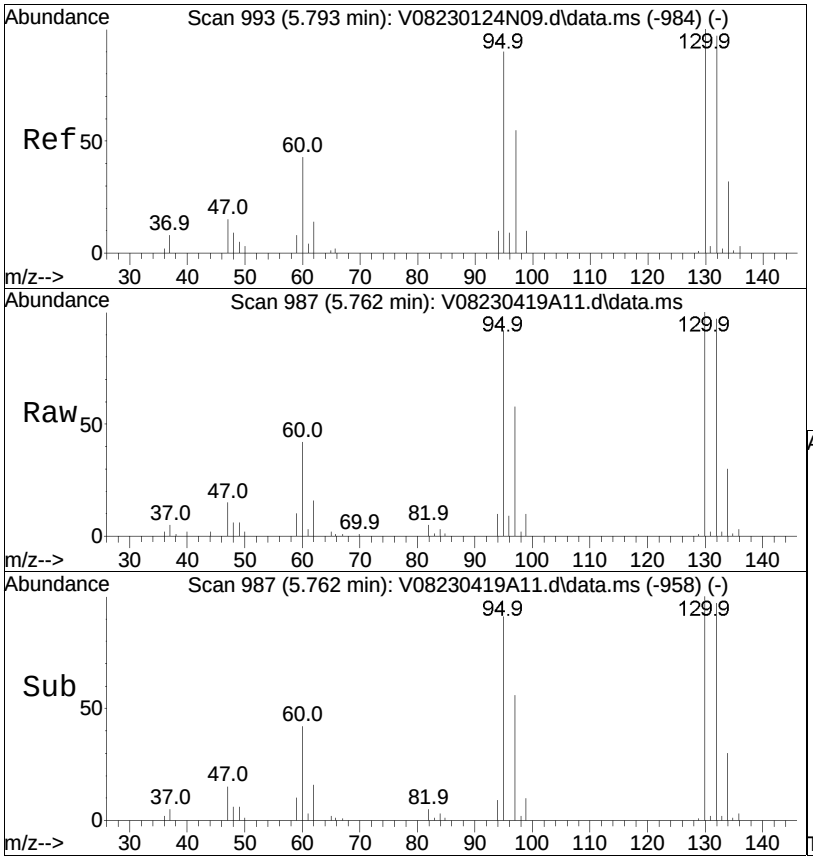



#37
1,1,1-Trichloroethane
Concen: 0.35 ug/L
RT: 4.587 min Scan# 763
Delta R.T. 0.010 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 97 Resp: 2705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 40.7 | 84.5# |
| 61 | 0.0 | 35.4 | 73.4# |
| 63 | 4.1 | 5.0 | 10.4# |

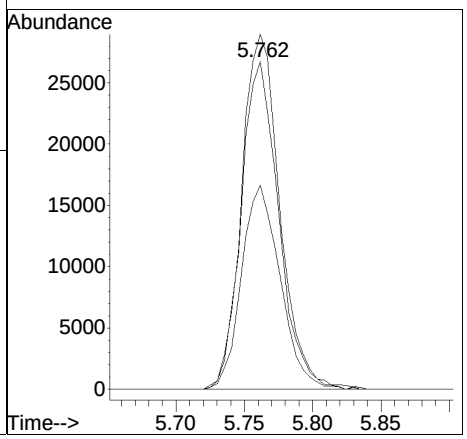





#48
Trichloroethene
Concen: 10.10 ug/L
RT: 5.762 min Scan# 987
Delta R.T. -0.000 min
Lab File: V08230419A11.d
Acq: 19 Apr 2023 11:46 am

Tgt Ion: 95 Resp: 51199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 55.5 | 83.3 |
| 130 | 109.9 | 76.6 | 115.0 |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A11.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 11:46 am | Instrument | : VOA 108 |
| Sample | : L2319240-05D,31,0.25,10,,A | Quant Date | : 4/20/2023 7:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A12.d
Acq On : 19 Apr 2023 12:07 pm
Operator : VOA108:MJV
Sample : L2319240-06D,31,0.5,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 20 09:26:27 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 180985 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 73.06% | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 163417 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 76.07% | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 84265 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 64.68% | | |
| System Monitoring Compounds | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 80356 | 12.198 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 121.98% | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 73093 | 12.225 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 122.25% | | |
| 60) Toluene-d8 | 7.251 | 98 | 184793 | 9.707 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.07% | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 65128 | 10.380 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 103.80% | | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. d | |
| 3) Chloromethane | 0.000 | | 0 | N.D. d | |
| 4) Vinyl chloride | 1.174 | 62 | 63491 | 14.009 ug/L | 96 |
| 5) Bromomethane | 1.420 | 94 | 123 | N.D. | |
| 6) Chloroethane | 1.504 | 64 | 130 | N.D. | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | |
| 10) 1,1-Dichloroethene | 1.945 | 96 | 1597 | 0.374 ug/L # | 68 |
| 11) Carbon disulfide | 0.000 | | 0 | N.D. d | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | |
| 15) Methylene chloride | 2.427 | 84 | 141 | N.D. | |
| 17) Acetone | 0.000 | | 0 | N.D. d | |
| 18) trans-1,2-Dichloroethene | 2.579 | 96 | 1115 | 0.228 ug/L | 70 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 18871 | 2.147 ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 707145 | 132.789 ug/L # | 72 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | |
| 32) Chloroform | 0.000 | | 0 | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A12.d
Acq On : 19 Apr 2023 12:07 pm
Operator : VOA108:MJV
Sample : L2319240-06D,31,0.5,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 20 09:26:27 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | |
| 41) Benzene | 0.000 | | 0 | | N.D. | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | |
| 47) Methyl cyclohexane | 0.000 | | 0 | | N.D. | |
| 48) Trichloroethene | 5.767 | 95 | 54 | | N.D. | |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | | N.D. | |
| 54) Bromodichloromethane | 0.000 | | 0 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 0.000 | | 0 | | N.D. | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | | N.D. | |
| 68) 1,1,2-Trichloroethane | 7.806 | 83 | 50 | | N.D. | |
| 69) Chlorodibromomethane | 0.000 | | 0 | | N.D. | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | | N.D. | |
| 72) 2-Hexanone | 8.341 | 43 | 62 | | N.D. | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | |
| 74) Ethylbenzene | 8.582 | 91 | 142 | | N.D. | |
| 76) p/m Xylene | 0.000 | | 0 | | N.D. | |
| 77) o Xylene | 0.000 | | 0 | | N.D. | |
| 78) Styrene | 9.007 | 104 | 51 | | N.D. | |
| 80) Bromoform | 0.000 | | 0 | | N.D. | |
| 82) Isopropylbenzene | 9.343 | 105 | 50 | | N.D. | |
| 87) 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | | N.D. | |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 192 | | N.D. | |
| 101) 1,4-Dichlorobenzene | 10.024 | 146 | 251 | | N.D. | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 179 | | N.D. | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | | N.D. | |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 163 | | N.D. | |
| 111) 1,2,3-Trichlorobenzene | 11.361 | 180 | 56 | | N.D. | |

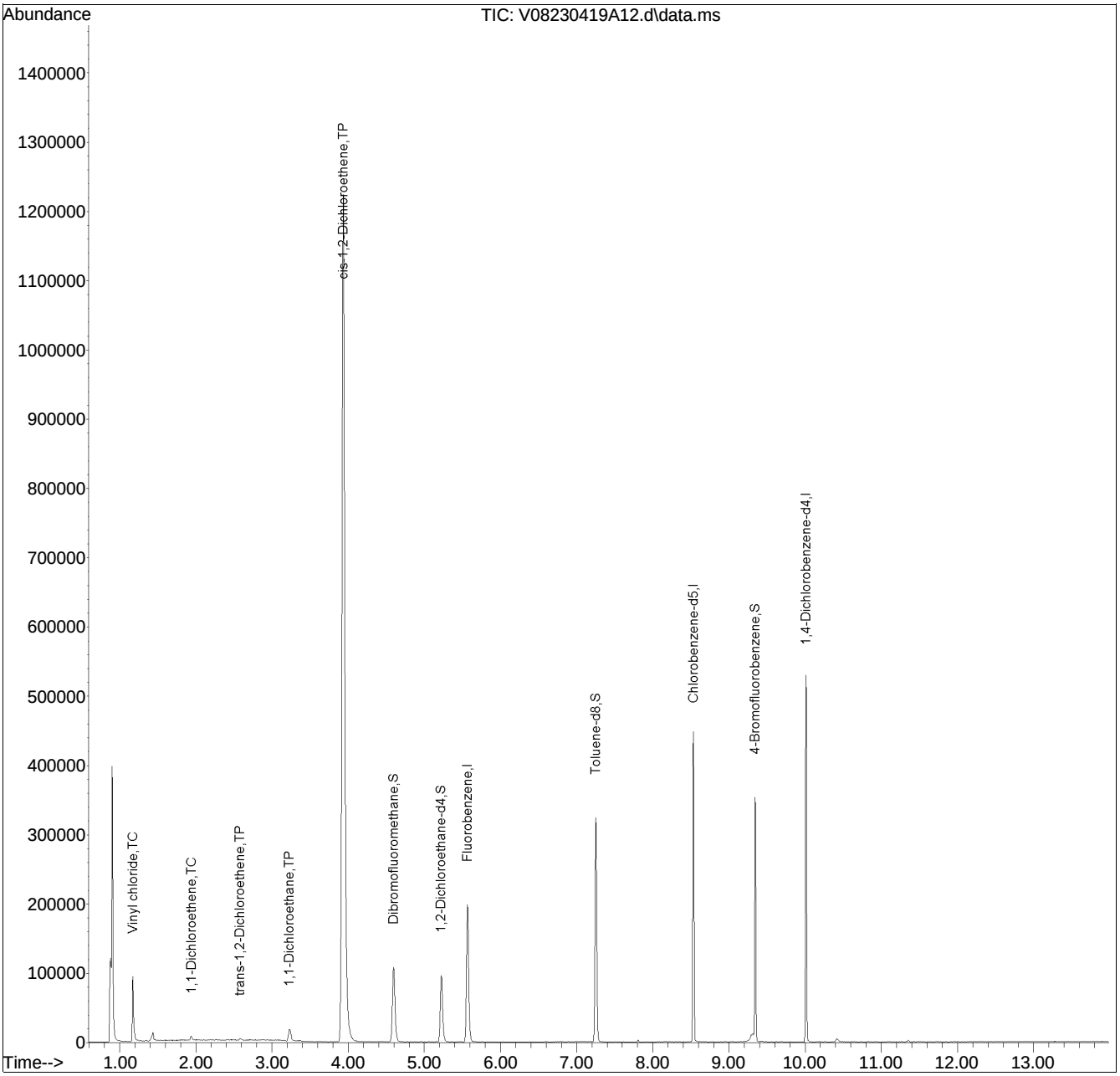
(#) = qualifier out of range (m) = manual integration (+) = signals summed

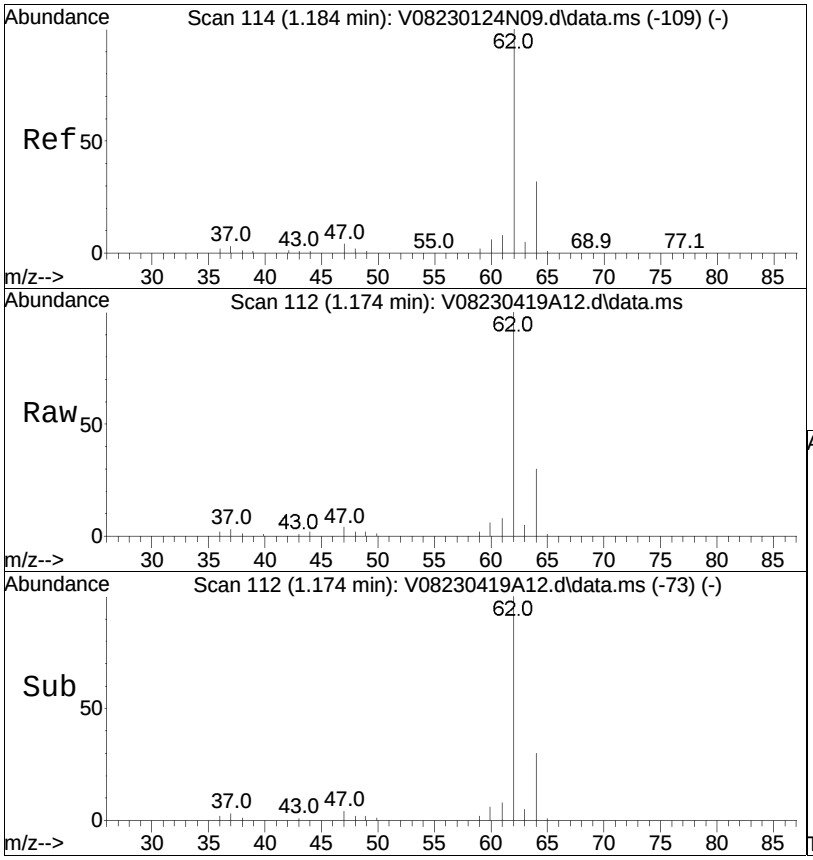
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A12.d
Acq On : 19 Apr 2023 12:07 pm
Operator : VOA108:MJV
Sample : L2319240-06D,31,0.5,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 20 09:26:27 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

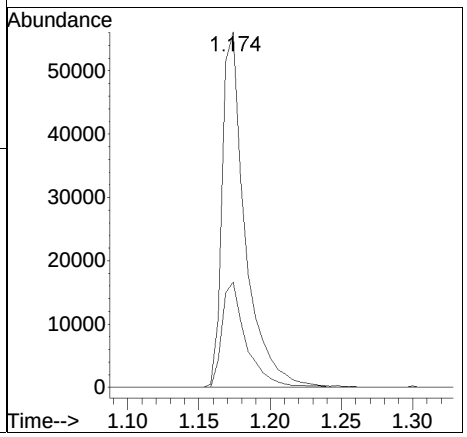


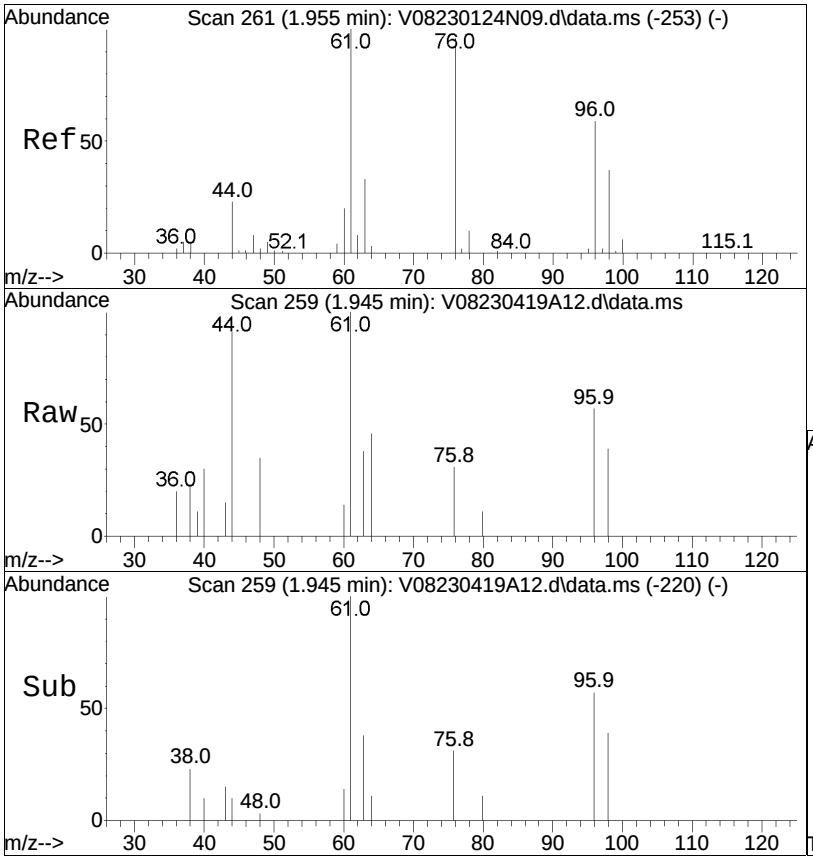



#4
Vinyl chloride
Concen: 14.01 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A12.d
Acq: 19 Apr 2023 12:07 pm

Tgt Ion: 62 Resp: 63491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 9.1 | 49.1 |

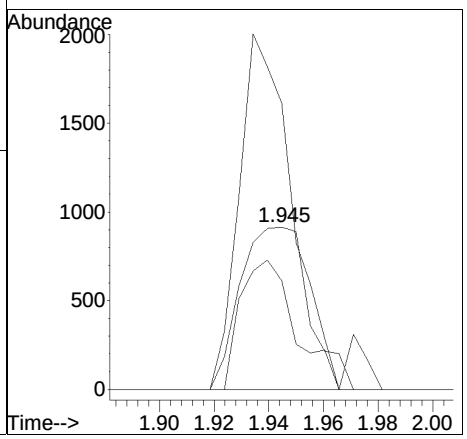


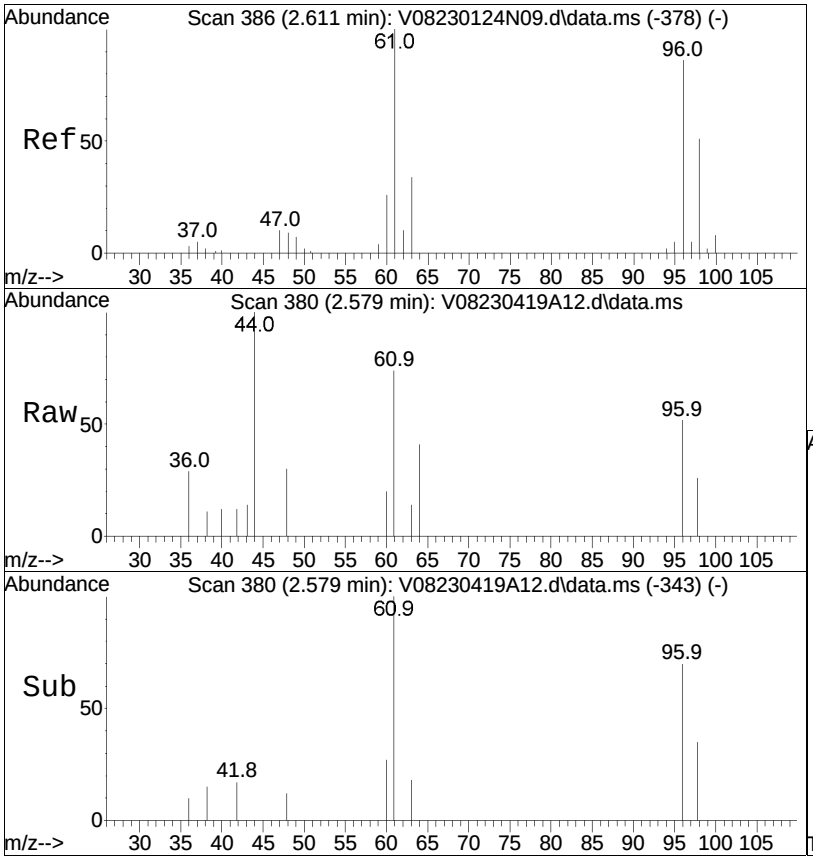



#10
1,1-Dichloroethene
Concen: 0.37 ug/L
RT: 1.945 min Scan# 259
Delta R.T. 0.005 min
Lab File: V08230419A12.d
Acq: 19 Apr 2023 12:07 pm

Tgt Ion: 96 Resp: 1597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.3 | 186.1 | 279.1# |
| 63 | 63.1 | 57.6 | 86.4 |

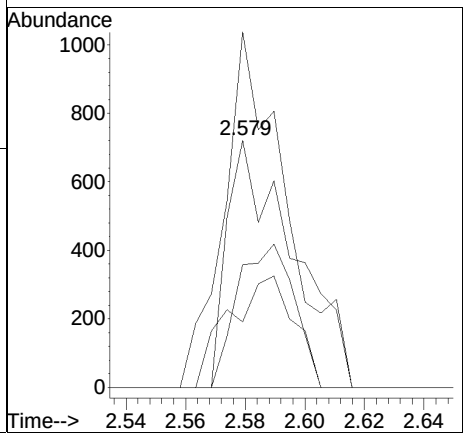


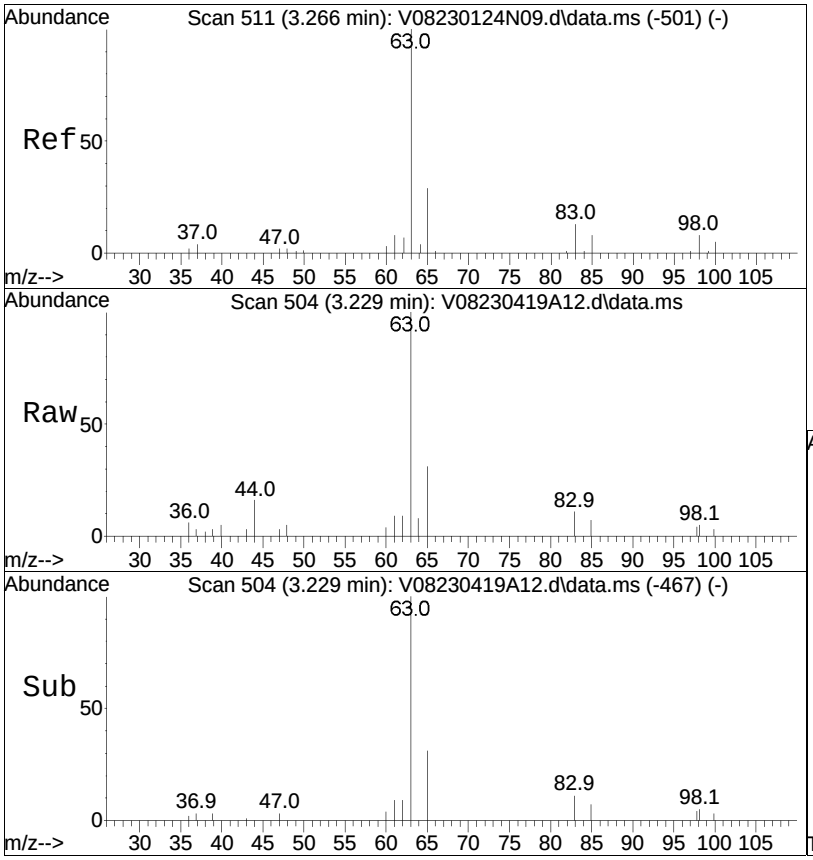



#18
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 2.579 min Scan# 380
Delta R.T. -0.005 min
Lab File: V08230419A12.d
Acq: 19 Apr 2023 12:07 pm

Tgt Ion: 96 Resp: 1115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.8 | 124.0 | 257.6 |
| 98 | 49.6 | 41.2 | 85.6 |
| 63 | 44.4 | 38.4 | 79.7 |

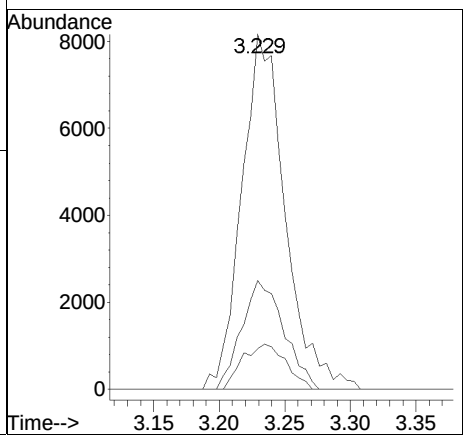


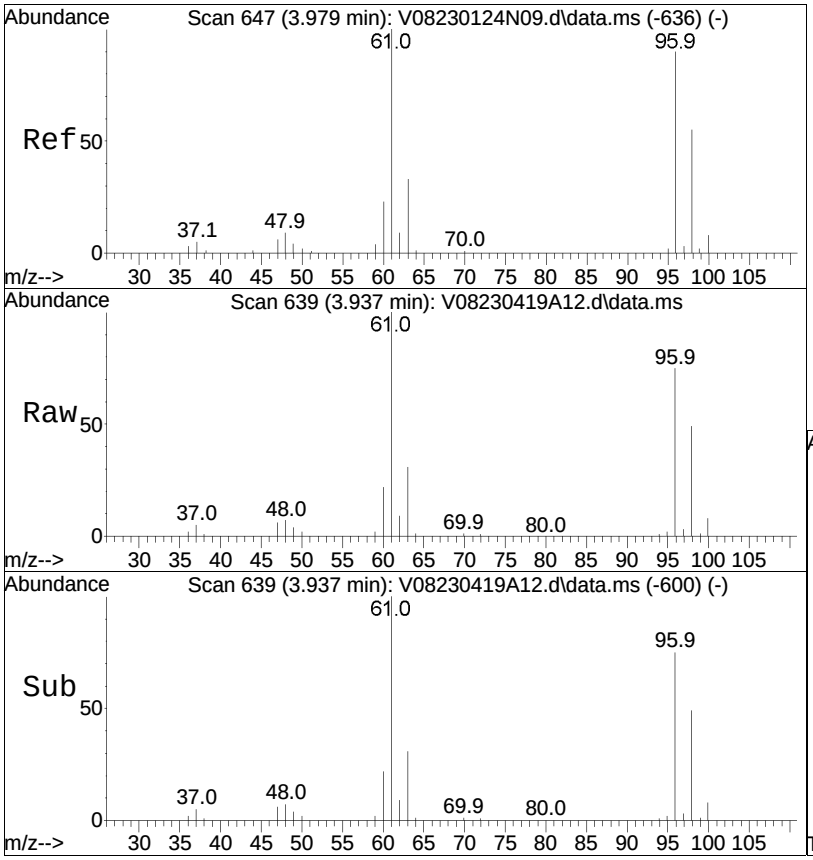



#23
1,1-Dichloroethane
Concen: 2.15 ug/L
RT: 3.229 min Scan# 504
Delta R.T. -0.006 min
Lab File: V08230419A12.d
Acq: 19 Apr 2023 12:07 pm

Tgt Ion: 63 Resp: 18871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.7 | 11.0 | 51.0 |
| 83 | 12.8 | 0.0 | 31.8 |

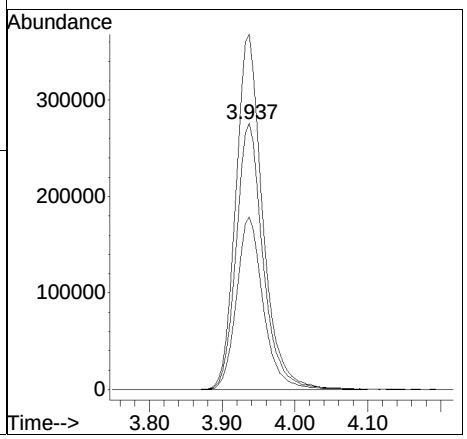





#28
cis-1,2-Dichloroethene
Concen: 132.79 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A12.d
Acq: 19 Apr 2023 12:07 pm

Tgt Ion: 96 Resp: 707145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.3 | 149.4 | 224.2# |
| 98 | 64.5 | 53.4 | 80.2 |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A12.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 12:07 pm | Instrument | : VOA 108 |
| Sample | : L2319240-06D,31,0.5,10,,A | Quant Date | : 4/20/2023 7:52 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A13.d
Acq On : 19 Apr 2023 12:28 pm
Operator : VOA108:MJV
Sample : L2319240-07D,31,0.2,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 20 09:26:59 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 187611 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 75.74% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 174035 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 81.01% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 88871 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 68.21% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 79084 | 11.581 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 115.81% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 73127 | 11.799 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 117.99% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 192859 | 9.513 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 95.13% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 68447 | 10.343 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 103.43% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. | d | |
| 3) Chloromethane | 1.174 | 50 | 272 | N.D. | | |
| 4) Vinyl chloride | 1.174 | 62 | 32551 | 6.928 | ug/L | 96 |
| 5) Bromomethane | 0.000 | | 0 | N.D. | | |
| 6) Chloroethane | 1.420 | 64 | 49 | N.D. | | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 1.945 | 96 | 1188 | 0.268 | ug/L # | 75 |
| 11) Carbon disulfide | 1.945 | 76 | 317 | N.D. | | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 1247 | 0.246 | ug/L | 90 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 11052 | 1.213 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 693121 | 125.559 | ug/L # | 72 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A13.d
Acq On : 19 Apr 2023 12:28 pm
Operator : VOA108:MJV
Sample : L2319240-07D,31,0.2,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 20 09:26:59 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 39) 2-Butanone | 4.792 | 43 | 56 | N.D. | | |
| 41) Benzene | 0.000 | | 0 | N.D. | | |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 54 | N.D. | | |
| 47) Methyl cyclohexane | 0.000 | | 0 | N.D. | | |
| 48) Trichloroethene | 5.756 | 95 | 1134 | 0.236 | ug/L # | 80 |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) 2-Hexanone | 0.000 | | 0 | N.D. | d | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | |
| 74) Ethylbenzene | 8.588 | 91 | 86 | N.D. | | |
| 76) p/m Xylene | 0.000 | | 0 | N.D. | | |
| 77) o Xylene | 0.000 | | 0 | N.D. | | |
| 78) Styrene | 9.007 | 104 | 120 | N.D. | | |
| 80) Bromoform | 0.000 | | 0 | N.D. | | |
| 82) Isopropylbenzene | 9.343 | 105 | 134 | N.D. | | |
| 87) 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) 1,3-Dichlorobenzene | 9.961 | 146 | 50 | N.D. | | |
| 101) 1,4-Dichlorobenzene | 10.014 | 146 | 143 | N.D. | | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 73 | N.D. | | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) 1,2,4-Trichlorobenzene | 11.094 | 180 | 65 | N.D. | | |
| 111) 1,2,3-Trichlorobenzene | 0.000 | | 0 | N.D. | | |

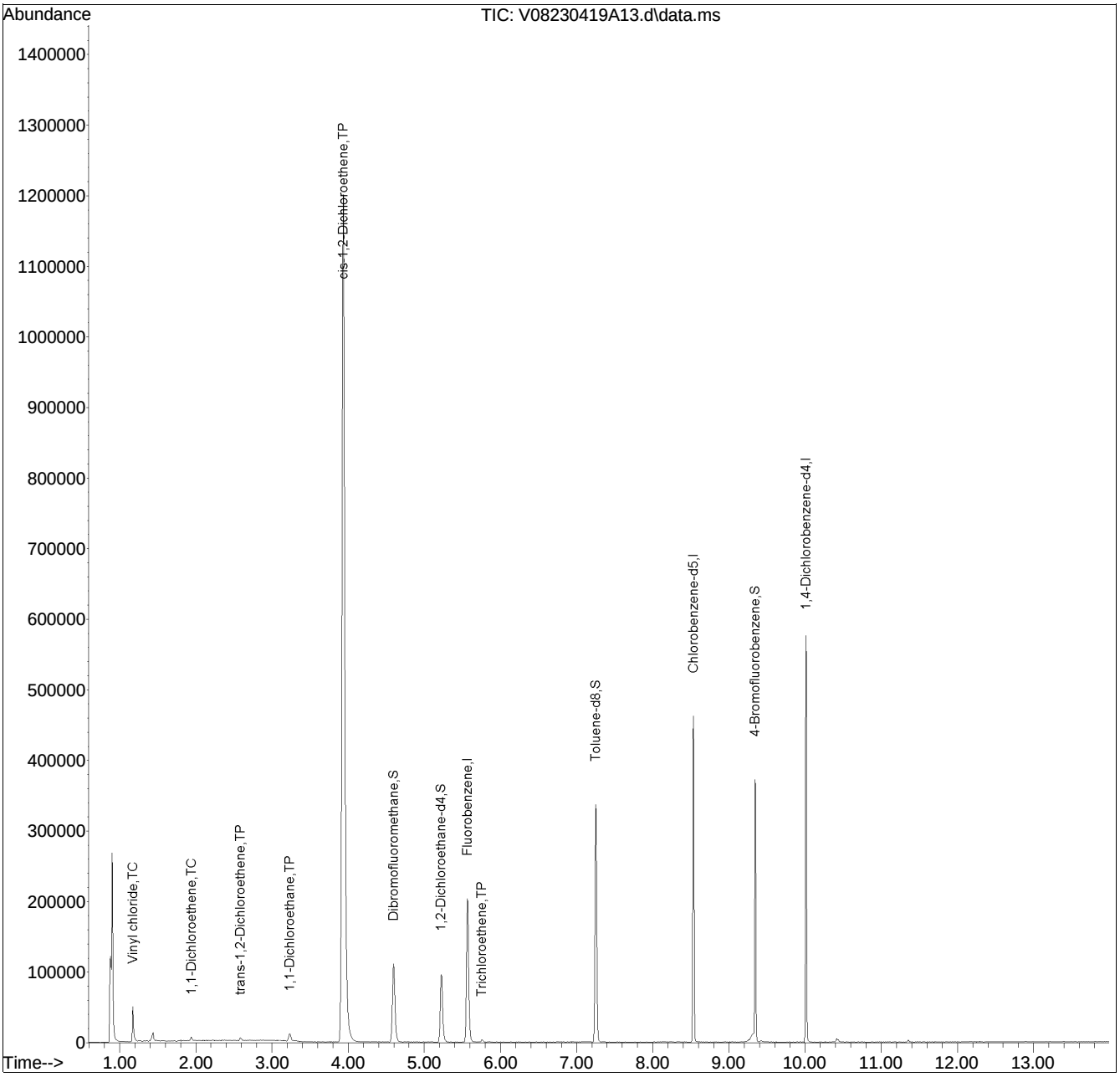
(#) = qualifier out of range (m) = manual integration (+) = signals summed

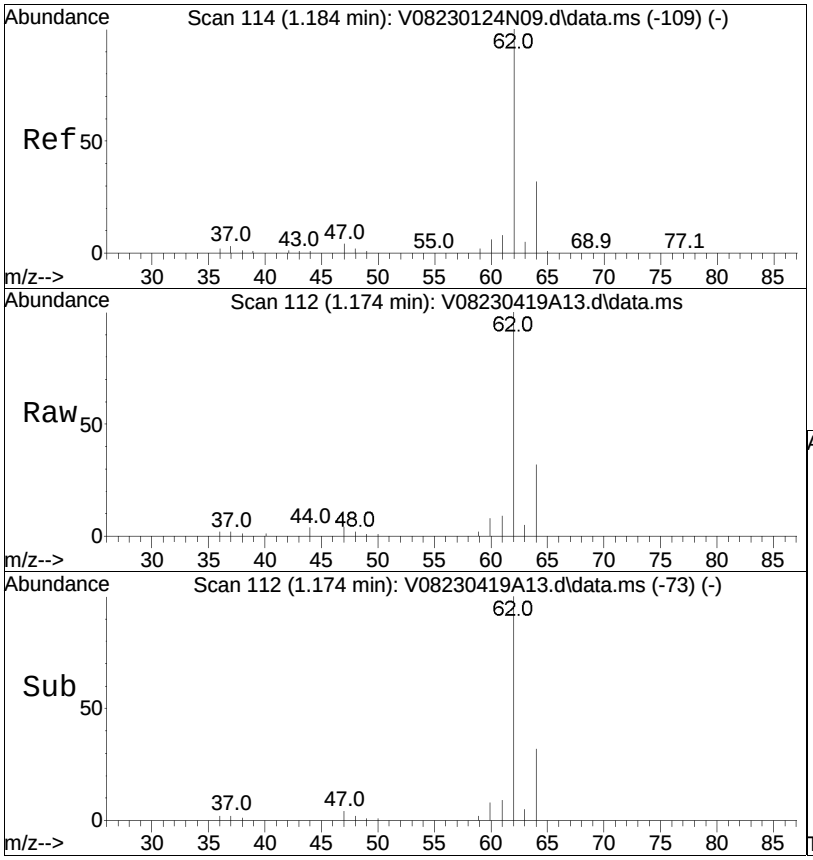
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A13.d
Acq On : 19 Apr 2023 12:28 pm
Operator : VOA108:MJV
Sample : L2319240-07D,31,0.2,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 20 09:26:59 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

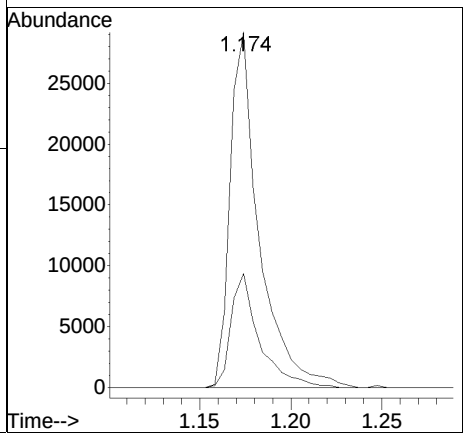


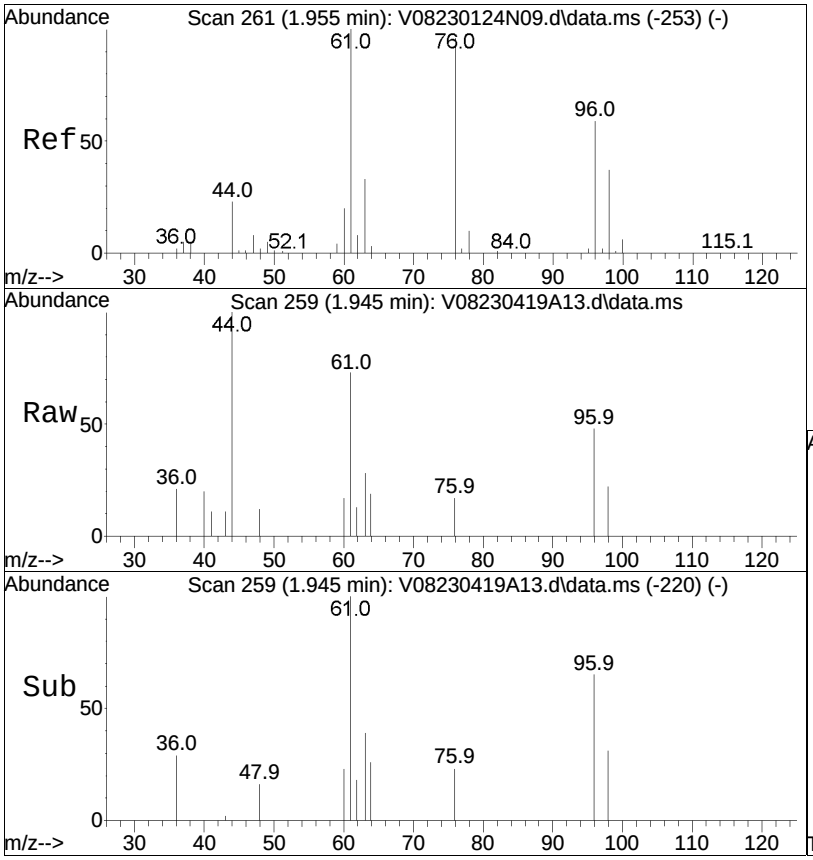



#4
Vinyl chloride
Concen: 6.93 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 62 Resp: 32551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 9.1 | 49.1 |

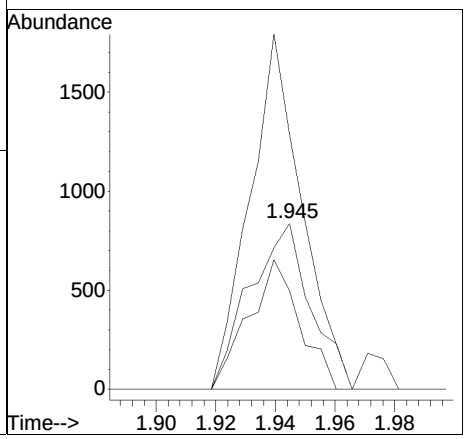


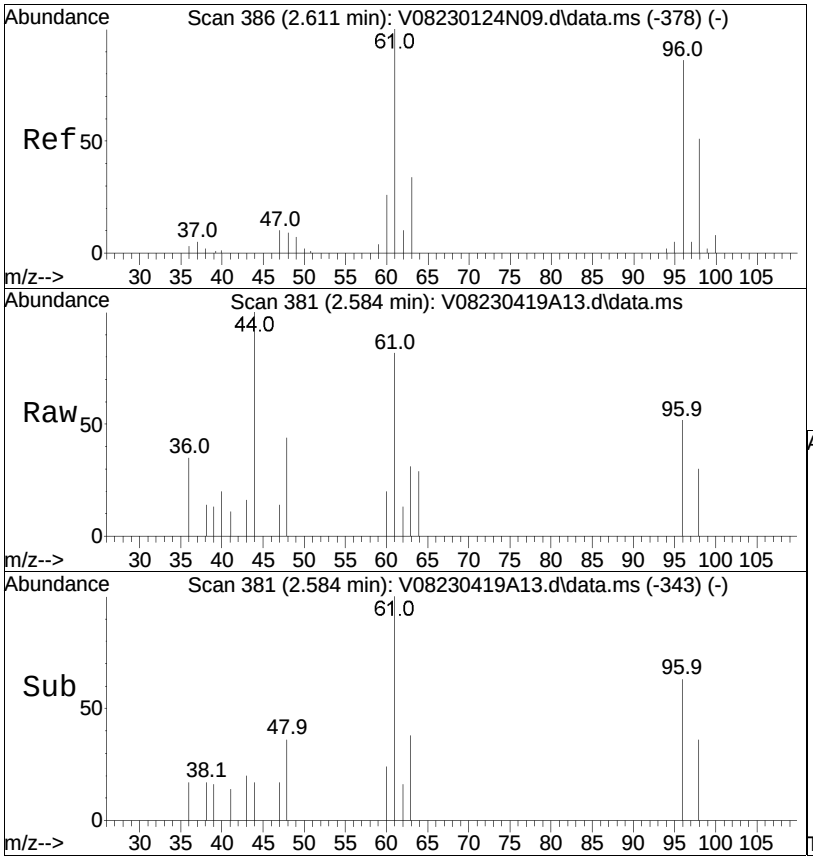



#10
1,1-Dichloroethene
Concen: 0.27 ug/L
RT: 1.945 min Scan# 259
Delta R.T. 0.005 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 96 Resp: 1188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.7 | 186.1 | 279.1# |
| 63 | 65.7 | 57.6 | 86.4 |

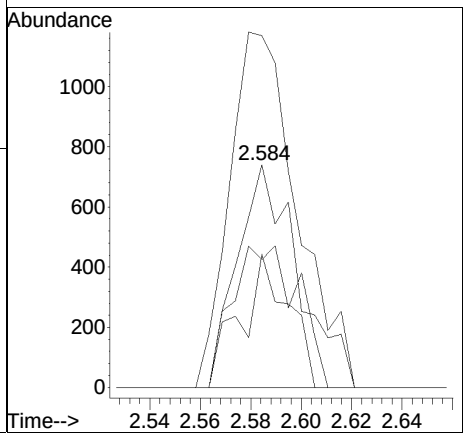


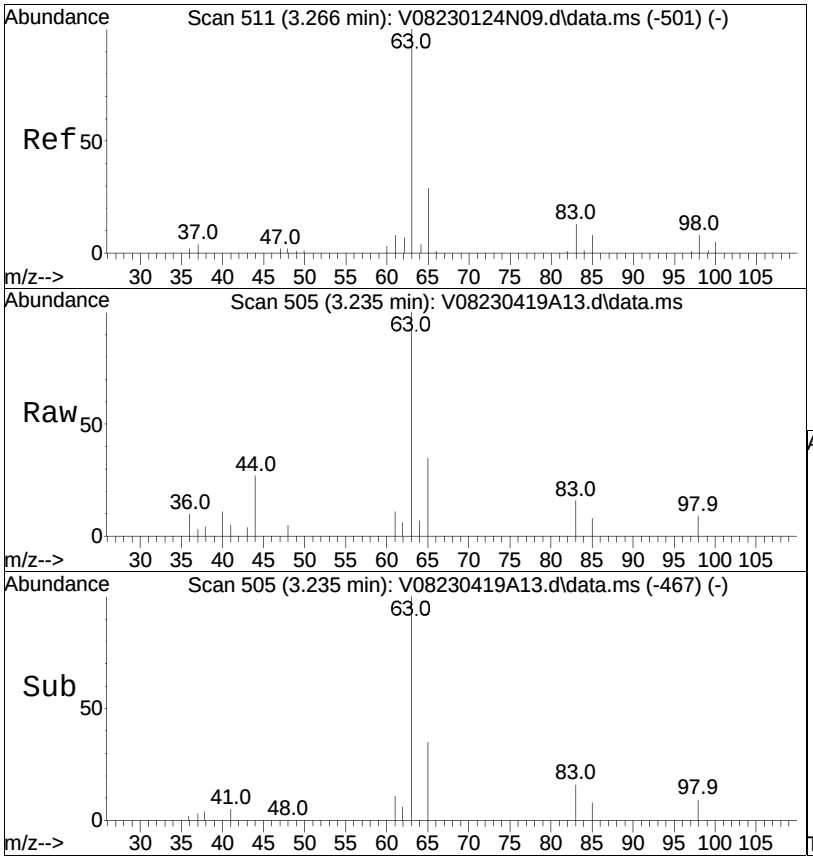



#18
trans-1,2-Dichloroethene
Concen: 0.25 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 96 Resp: 1247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 176.3 | 124.0 | 257.6 |
| 98 | 68.7 | 41.2 | 85.6 |
| 63 | 47.1 | 38.4 | 79.7 |

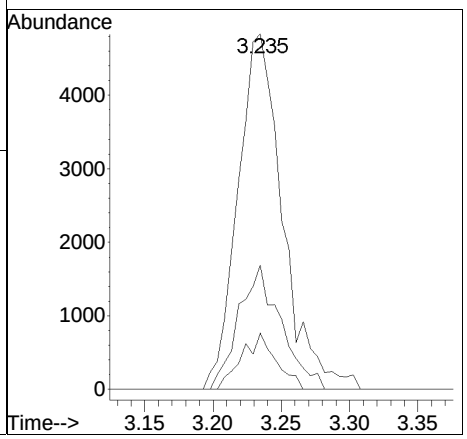


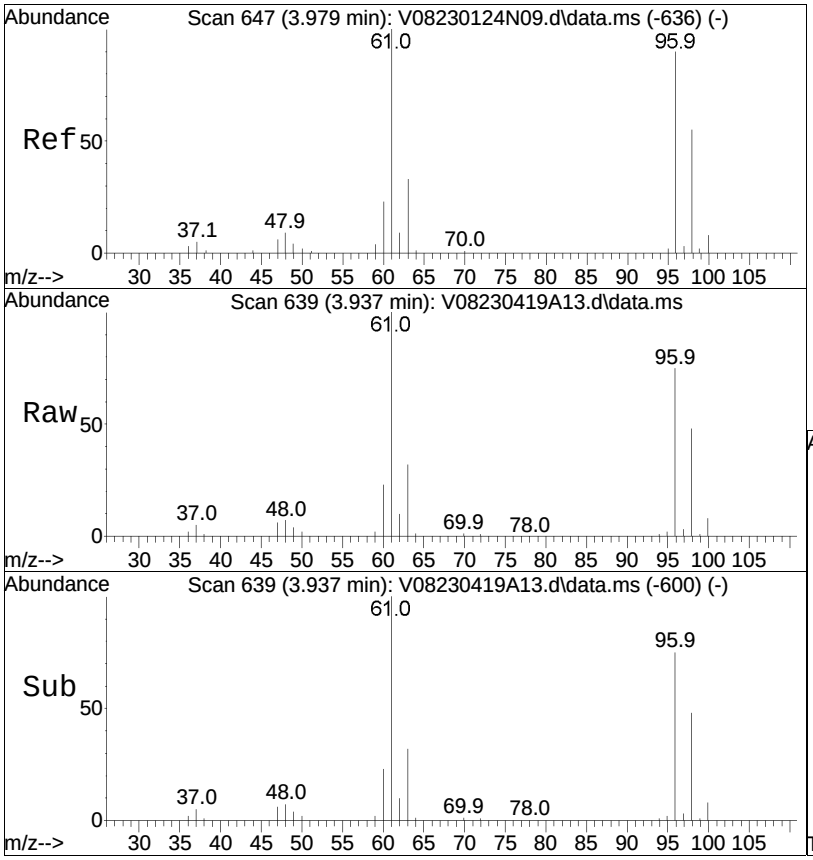



#23
1,1-Dichloroethane
Concen: 1.21 ug/L
RT: 3.235 min Scan# 505
Delta R.T. -0.000 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 63 Resp: 11052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.8 | 11.0 | 51.0 |
| 83 | 12.1 | 0.0 | 31.8 |

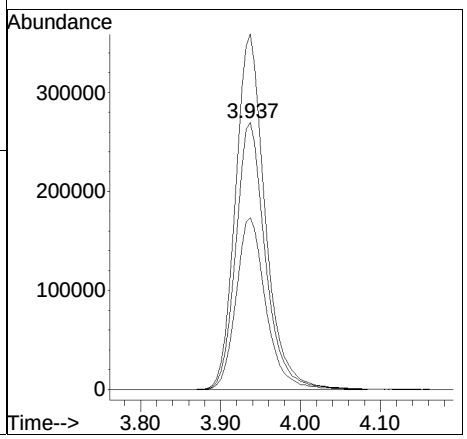


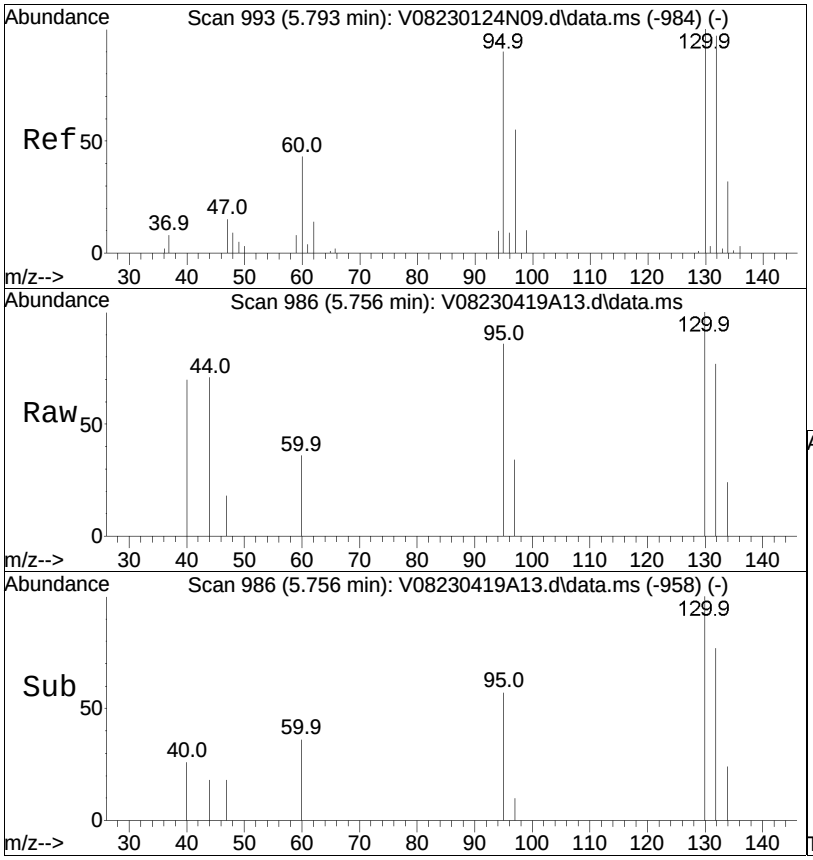



#28
cis-1,2-Dichloroethene
Concen: 125.56 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 96 Resp: 693121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.5 | 149.4 | 224.2# |
| 98 | 64.7 | 53.4 | 80.2 |

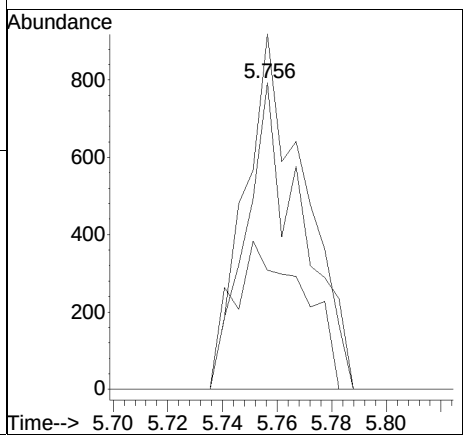





#48
Trichloroethene
Concen: 0.24 ug/L
RT: 5.756 min Scan# 986
Delta R.T. -0.006 min
Lab File: V08230419A13.d
Acq: 19 Apr 2023 12:28 pm

Tgt Ion: 95 Resp: 1134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 60.8 | 55.5 | 83.3 |
| 130 | 121.7 | 76.6 | 115.0# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A13.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 12:28 pm | Instrument | : VOA 108 |
| Sample | : L2319240-07D,31,0.2,10,,A | Quant Date | : 4/20/2023 7:52 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A14.d
Acq On : 19 Apr 2023 12:48 pm
Operator : VOA108:MJV
Sample : L2319240-08,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 20 09:30:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 177854 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 71.80% | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 166695 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 77.60% | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 88149 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 67.66% | | |
| System Monitoring Compounds | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 77893 | 12.032 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 120.32% | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 70856 | 12.059 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 120.59% | | |
| 60) Toluene-d8 | 7.256 | 98 | 185260 | 9.540 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 95.40% | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 66042 | 10.061 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.61% | | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. d | |
| 3) Chloromethane | 1.121 | 50 | 49 | N.D. | |
| 4) Vinyl chloride | 1.321 | 62 | 239 | N.D. | |
| 5) Bromomethane | 1.436 | 94 | 135 | N.D. | |
| 6) Chloroethane | 1.488 | 64 | 183 | N.D. | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | |
| 11) Carbon disulfide | 1.950 | 76 | 396 | N.D. | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | |
| 17) Acetone | 2.490 | 43 | 1148 | 1.240 ug/L # | 65 |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | |
| 19) Methyl acetate | 0.000 | | 0 | N.D. d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | |
| 28) cis-1,2-Dichloroethene | 3.942 | 96 | 1251 | 0.239 ug/L # | 1 |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | |
| 32) Chloroform | 0.000 | | 0 | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A14.d
Acq On : 19 Apr 2023 12:48 pm
Operator : VOA108:MJV
Sample : L2319240-08,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 20 09:30:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 39) 2-Butanone | 4.802 | 43 | 50 | N.D. | | |
| 41) Benzene | 5.059 | 78 | 2970 | 0.189 | ug/L # | 74 |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 47) Methyl cyclohexane | 0.000 | | 0 | N.D. | | |
| 48) Trichloroethene | 0.000 | | 0 | N.D. | | |
| 51) 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | |
| 62) 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 68) 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) 2-Hexanone | 0.000 | | 0 | N.D. | d | |
| 73) Chlorobenzene | 8.540 | 112 | 49 | N.D. | | |
| 74) Ethylbenzene | 8.577 | 91 | 52 | N.D. | | |
| 76) p/m Xylene | 8.687 | 106 | 53 | N.D. | | |
| 77) o Xylene | 0.000 | | 0 | N.D. | | |
| 78) Styrene | 0.000 | | 0 | N.D. | | |
| 80) Bromoform | 0.000 | | 0 | N.D. | | |
| 82) Isopropylbenzene | 0.000 | | 0 | N.D. | | |
| 87) 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) 1,3-Dichlorobenzene | 9.972 | 146 | 126 | N.D. | | |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 317 | N.D. | | |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 219 | N.D. | | |
| 106) 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) 1,2,4-Trichlorobenzene | 0.000 | | 0 | N.D. | | |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 104 | N.D. | | |

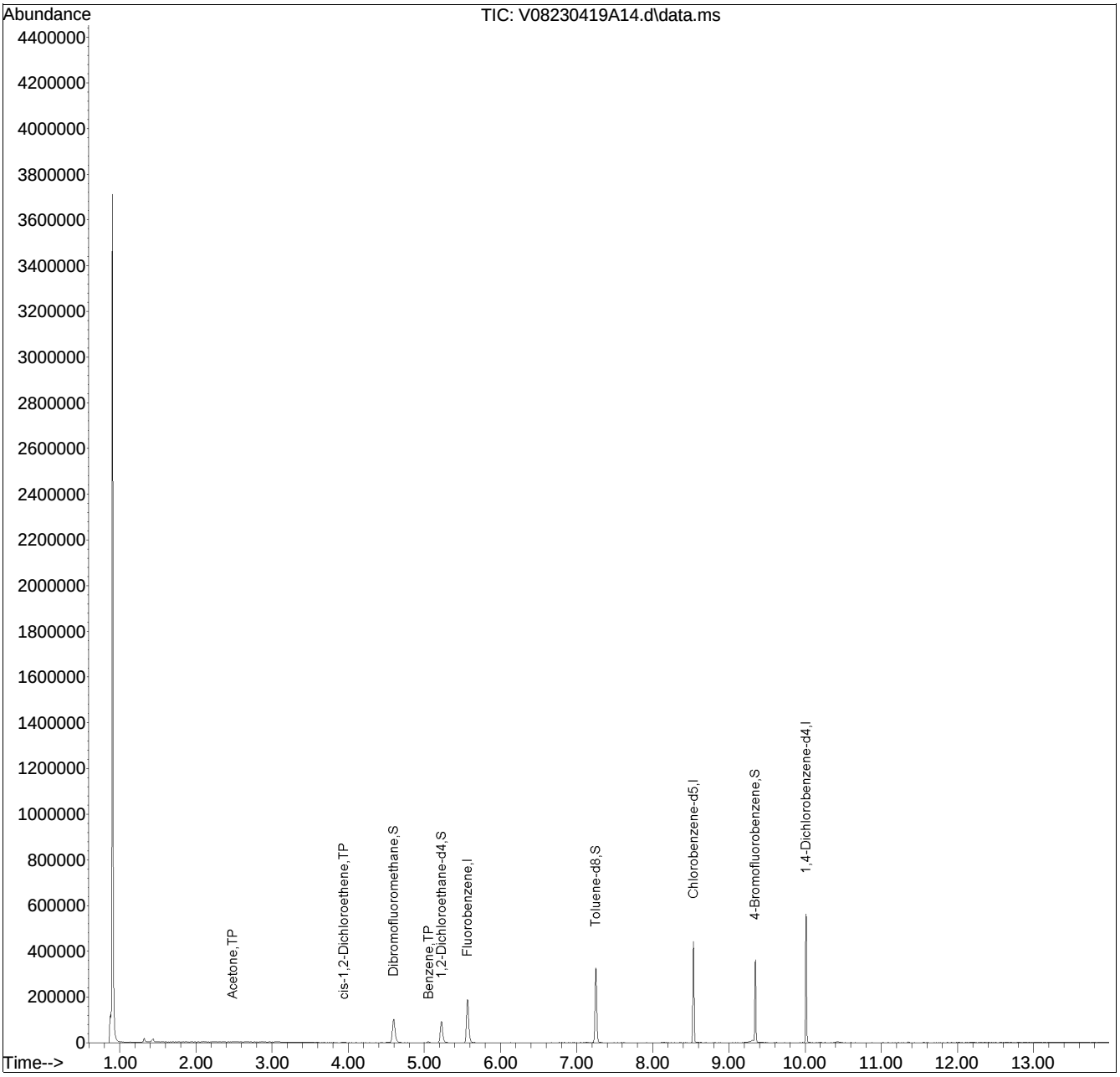
(#) = qualifier out of range (m) = manual integration (+) = signals summed

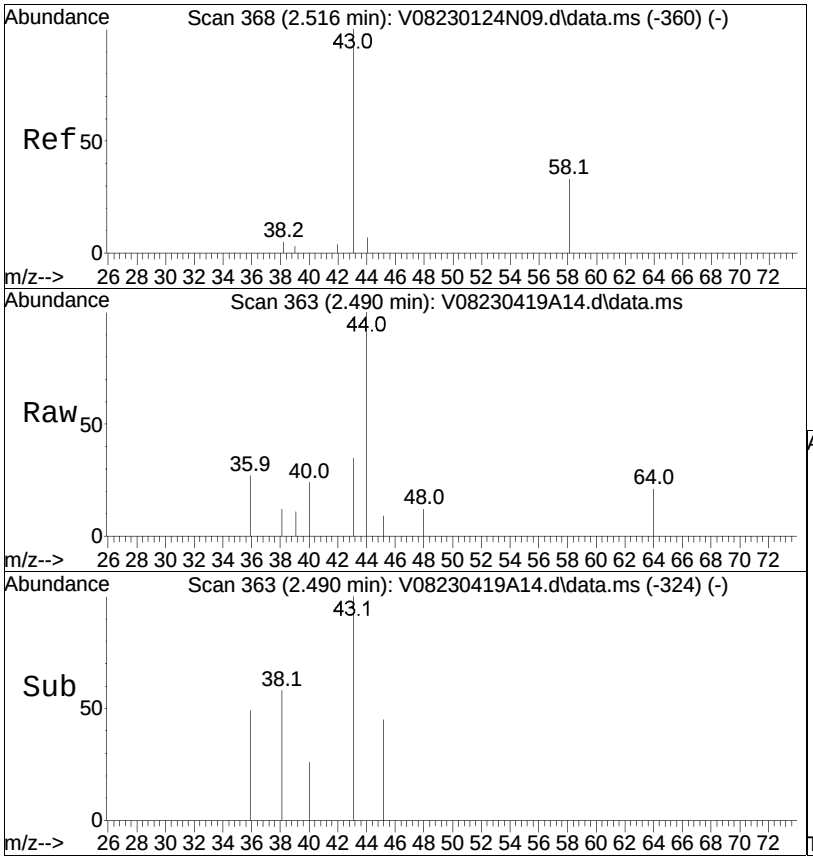
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A14.d
Acq On : 19 Apr 2023 12:48 pm
Operator : VOA108:MJV
Sample : L2319240-08,31,10,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 20 09:30:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

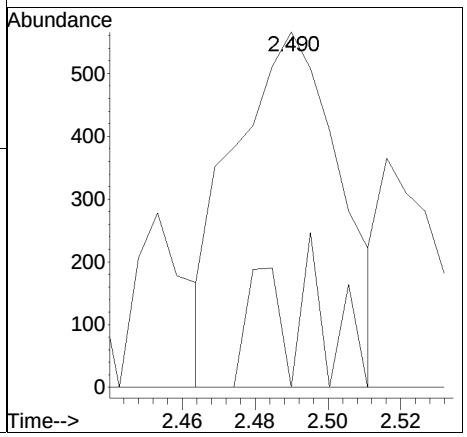


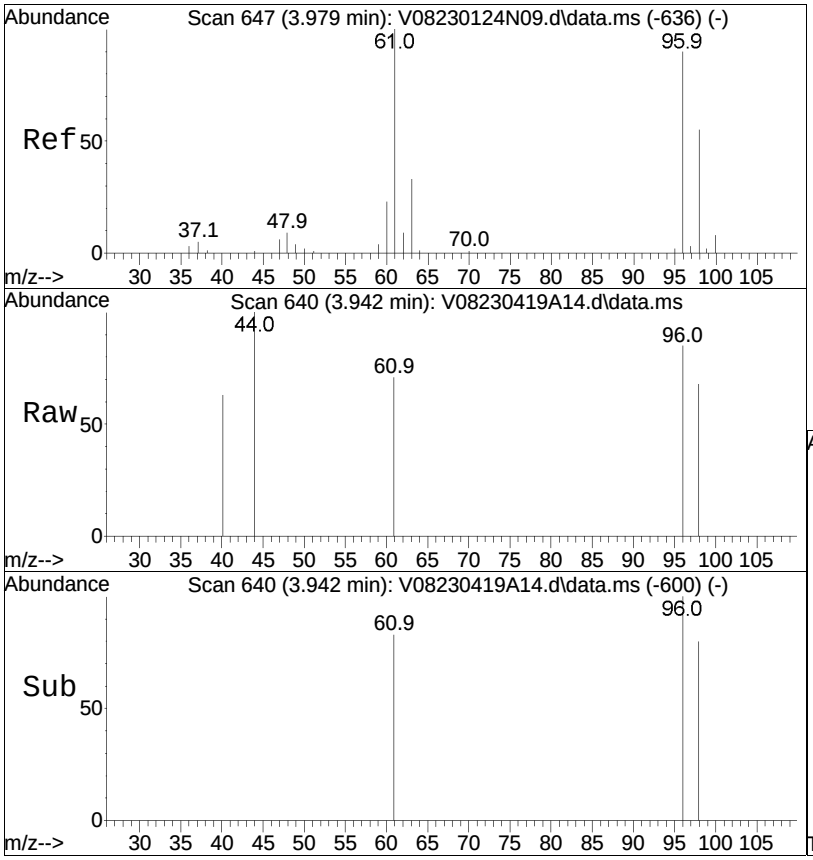



#17
Acetone
Concen:  1.24 ug/L
RT:  2.490 min  Scan# 363
Delta R.T.  0.005 min
Lab File:  V08230419A14.d
Acq: 19 Apr 2023  12:48 pm

Tgt Ion: 43 Resp:  1148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.2 | 24.2 | 36.4# |

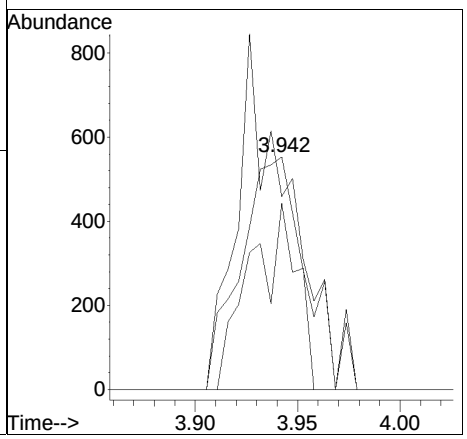


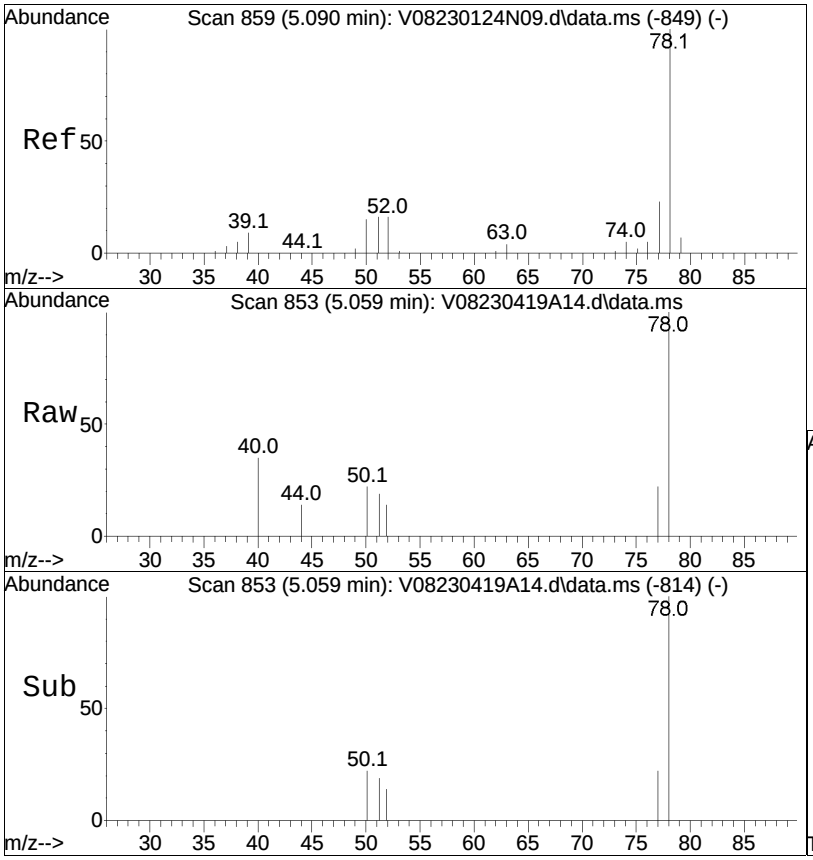



#28
cis-1,2-Dichloroethene
Concen: 0.24 ug/L
RT: 3.942 min Scan# 640
Delta R.T. 0.010 min
Lab File: V08230419A14.d
Acq: 19 Apr 2023 12:48 pm

Tgt Ion: 96 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 0.0 | 149.4 | 224.2# |
| 98 | 25.3 | 53.4 | 80.2# |

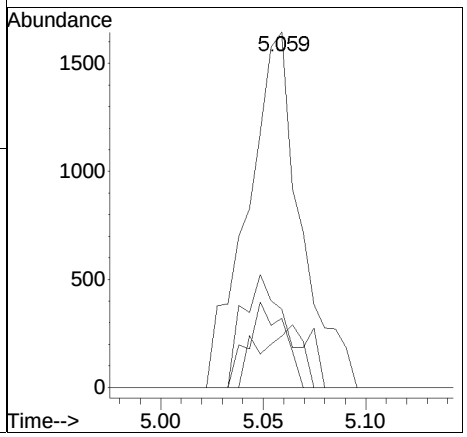





#41
Benzene
Concen: 0.19 ug/L
RT: 5.059 min Scan# 853
Delta R.T. 0.005 min
Lab File: V08230419A14.d
Acq: 19 Apr 2023 12:48 pm

Tgt Ion: 78 Resp: 2970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 28.2 | 15.7 | 32.7 |
| 51 | 0.0 | 16.0 | 33.2# |
| 52 | 14.2 | 15.3 | 31.9# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2Q | Method | : V108_230405N_8260.m |
| Data File | : V08230419A14.d | Operator | : VOA108:MJV |
| Date Inj'd | : 4/19/2023 12:48 pm | Instrument | : VOA 108 |
| Sample | : L2319240-08,31,10,10,,A | Quant Date | : 4/20/2023 7:52 am |

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

# Volatiles Standards Data

# Initial Calibration

# Initial Calibration Summary
# Form 6
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | **: Sterling Environmental Engineering** | **Lab Number** | **: L2319240** |
| **Project Name** | **: TROY BELTING** | **Project Number** | **: 2011-31 TASK 911** |
| **Instrument ID** | **: VOA108** | **Ical Ref** | **: ICAL19890** |
| **Calibration dates** | **: 04/05/23 22:11 04/06/23 01:18** | | |

Calibration Files

L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d

L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Fluorobenzene | ----------ISTD---------- | | | | | | | | | |
| 2) | TP | Dichlorodifluo | | 0.170 | 0.234 | 0.233 | 0.207 | 0.209 | 0.213 | 0.213 | 0.211 | 10.10 |
| 3) | TP | Chloromethane | | 0.282 | 0.351 | 0.307 | 0.266 | 0.261 | 0.252 | 0.246 | 0.281 | 13.17 |
| 4) | TC | Vinyl chloride | 0.204 | 0.212 | 0.308 | 0.273 | 0.249 | 0.252 | 0.254 | 0.252 | 0.250 | 13.04 |
| 5) | TP | Bromomethane | | 0.167 | 0.187 | 0.153 | 0.149 | 0.170 | 0.174 | 0.187 | 0.170 | 8.77 |
| 6) | TP | Chloroethane | | 0.195 | 0.235 | 0.199 | 0.178 | 0.182 | 0.189 | 0.192 | 0.196 | 9.54 |
| 7) | TP | Trichlorofluor | | 0.317 | 0.411 | 0.420 | 0.376 | 0.386 | 0.394 | 0.394 | 0.385 | 8.72 |
| 8) | TP | Ethyl ether | | 0.069 | 0.113 | 0.097 | 0.095 | 0.104 | 0.102 | 0.100 | 0.097 | 14.03 |
| 10) | TC | 1,1-Dichloroet | | 0.226 | 0.264 | 0.247 | 0.222 | 0.229 | 0.233 | 0.232 | 0.236 | 6.20 |
| 11) | TP | Carbon disulfide | | 0.663 | 0.826 | 0.745 | 0.689 | 0.705 | 0.709 | 0.704 | 0.720 | 7.31 |
| 12) | TP | Freon-113 | | 0.189 | 0.261 | 0.267 | 0.240 | 0.244 | 0.247 | 0.249 | 0.242 | 10.50 |
| 13) | TP | Iodomethane | | | 0.187 | 0.228 | 0.263 | 0.317 | 0.331 | 0.319 | *L | 0.9971 |
| 14) | TP | Acrolein | | | 0.033 | 0.029 | 0.027 | 0.027 | 0.026 | 0.026 | 0.028 | 9.13 |
| 15) | TP | Methylene chlo | | 0.310 | 0.334 | 0.271 | 0.244 | 0.251 | 0.242 | 0.239 | 0.270 | 13.87 |
| 17) | TP | Acetone | | | 0.073 | 0.050 | 0.045 | 0.049 | 0.046 | 0.048 | 0.052 | 19.95 |
| 18) | TP | trans-1,2-Dich | | 0.253 | 0.329 | 0.279 | 0.252 | 0.259 | 0.259 | 0.258 | 0.270 | 10.18 |
| 19) | TP | Methyl acetate | | 0.144 | 0.143 | 0.111 | 0.106 | 0.112 | 0.108 | 0.106 | 0.118 | 14.44 |
| 20) | TP | Methyl tert butyl ether | | 0.373 | 0.436 | 0.420 | 0.437 | 0.487 | 0.486 | 0.490 | 0.447 | 9.80 |
| 21) | TP | tert-Butyl alc | | 0.012 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 | 6.90 |
| 22) | TP | Diisopropyl ether | | 0.721 | 0.780 | 0.691 | 0.692 | 0.761 | 0.754 | 0.751 | 0.736 | 4.75 |
| 23) | TP | 1,1-Dichloroet | | 0.519 | 0.602 | 0.495 | 0.447 | 0.456 | 0.444 | 0.437 | 0.486 | 12.27 |
| 24) | TP | Halothane | | 0.192 | 0.257 | 0.231 | 0.208 | 0.211 | 0.212 | 0.211 | 0.217 | 9.52 |
| 25) | TP | Acrylonitrile | | 0.089 | 0.076 | 0.059 | 0.058 | 0.059 | 0.056 | 0.055 | 0.065 | 19.96 |
| 26) | TP | Ethyl tert-but | | 0.555 | 0.638 | 0.605 | 0.645 | 0.725 | 0.701 | 0.724 | 0.656 | 9.78 |
| 27) | TP | Vinyl acetate | | | 0.369 | 0.348 | 0.402 | 0.400 | 0.412 | 0.379 | 0.385 | 6.28 |
| 28) | TP | cis-1,2-Dichlo | | 0.306 | 0.334 | 0.291 | 0.277 | 0.284 | 0.283 | 0.284 | 0.294 | 6.75 |
| 29) | TP | 2,2-Dichloropr | | 0.295 | 0.368 | 0.315 | 0.310 | 0.338 | 0.333 | 0.336 | 0.328 | 7.25 |
| 30) | TP | Bromochloromet | | 0.159 | 0.193 | 0.162 | 0.150 | 0.151 | 0.151 | 0.141 | 0.158 | 10.51 |
| 31) | TP | Cyclohexane | | 0.257 | 0.354 | 0.376 | 0.368 | 0.411 | 0.403 | 0.407 | 0.368 | 14.56 |
| 32) | TC | Chloroform | | 0.513 | 0.593 | 0.487 | 0.450 | 0.459 | 0.450 | 0.442 | 0.485 | 11.13 |
| 33) | TP | Ethyl acetate | | 0.131 | 0.135 | 0.118 | 0.121 | 0.134 | 0.132 | 0.134 | 0.129 | 5.37 |
| 34) | TP | Carbon tetrachloride | 0.237 | 0.276 | 0.373 | 0.366 | 0.347 | 0.364 | 0.379 | 0.386 | 0.341 | 15.92 |
| 35) | TP | Tetrahydrofuran | | | 0.043 | 0.031 | 0.032 | 0.036 | 0.036 | 0.036 | 0.036 | 11.55 |
| 36) | S | Dibromofluoromethane | 0.409 | 0.405 | 0.404 | 0.371 | 0.342 | 0.335 | 0.320 | 0.324 | 0.364 | 10.47 |
| 37) | TP | 1,1,1-Trichlor | | 0.323 | 0.441 | 0.405 | 0.374 | 0.387 | 0.396 | 0.395 | 0.389 | 9.18 |
| 39) | TP | 2-Butanone | | | 0.068 | 0.059 | 0.061 | 0.067 | 0.063 | 0.064 | 0.064 | 5.30 |

# Initial Calibration Summary
# Form 6
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | **: Sterling Environmental Engineering** | **Lab Number** | **: L2319240** |
| **Project Name** | **: TROY BELTING** | **Project Number** | **: 2011-31 TASK 911** |
| **Instrument ID** | **: VOA108** | **Ical Ref** | **: ICAL19890** |
| **Calibration dates** | **: 04/05/23 22:11 04/06/23 01:18** | | |

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40) | TP | 1,1-Dichloropr | | 0.208 | 0.276 | 0.280 | 0.285 | 0.306 | 0.314 | 0.316 | 0.284 | 13.06 |
| 41) | TP | Benzene | 0.681 | 0.797 | 0.952 | 0.895 | 0.897 | 0.956 | 0.951 | 0.937 | 0.883 | 11.01 |
| 42) | TP | Tertiary-Amyl Methyl Ether | | 0.341 | 0.401 | 0.398 | 0.442 | 0.528 | 0.536 | 0.550 | 0.457 | 17.93 |
| 43) | S | 1,2-Dichloroethane-d4 | 0.364 | 0.368 | 0.357 | 0.333 | 0.319 | 0.309 | 0.296 | 0.297 | 0.330 | 8.97 |
| 44) | TP | 1,2-Dichloroet | | 0.374 | 0.389 | 0.334 | 0.317 | 0.328 | 0.319 | 0.316 | 0.339 | 8.72 |
| 47) | TP | Methyl cyclohe | | 0.247 | 0.309 | 0.347 | 0.354 | 0.397 | 0.408 | 0.418 | 0.354 | 17.27 |
| 48) | TP | Trichloroethene | 0.154 | 0.221 | 0.278 | 0.270 | 0.272 | 0.289 | 0.282 | 0.286 | 0.256 | 18.10 |
| 50) | TP | Dibromomethane | | 0.133 | 0.174 | 0.148 | 0.142 | 0.149 | 0.145 | 0.145 | 0.148 | 8.59 |
| 51) | TC | 1,2-Dichloropr | | 0.240 | 0.266 | 0.242 | 0.243 | 0.257 | 0.255 | 0.251 | 0.251 | 3.80 |
| 53) | TP | 2-Chloroethyl | | 0.080 | 0.096 | 0.089 | 0.101 | 0.121 | 0.121 | 0.126 | 0.105 | 17.03 |
| 54) | TP | Bromodichlorom | | 0.300 | 0.371 | 0.330 | 0.321 | 0.350 | 0.347 | 0.347 | 0.338 | 6.82 |
| 57) | TP | 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 5.55 |
| 58) | TP | cis-1,3-Dichlo | | 0.281 | 0.301 | 0.300 | 0.334 | 0.383 | 0.384 | 0.390 | 0.339 | 13.68 |
| 59) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | | | |
| 60) | S | Toluene-d8 | 1.152 | 1.150 | 1.178 | 1.164 | 1.176 | 1.164 | 1.177 | 1.157 | 1.165 | 0.96 |
| 61) | TC | Toluene | | 0.572 | 0.729 | 0.662 | 0.650 | 0.690 | 0.709 | 0.695 | 0.672 | 7.68 |
| 62) | TP | 4-Methyl-2-pen | | 0.037 | 0.048 | 0.047 | 0.052 | 0.060 | 0.061 | 0.060 | 0.052 | 17.44 |
| 63) | TP | Tetrachloroethene | | 0.258 | 0.373 | 0.330 | 0.319 | 0.335 | 0.352 | 0.349 | 0.331 | 11.07 |
| 65) | TP | trans-1,3-Dich | | 0.221 | 0.257 | 0.265 | 0.310 | 0.367 | 0.375 | 0.375 | *Q | 0.9980 |
| 67) | TP | Ethyl methacry | | 0.146 | 0.180 | 0.170 | 0.191 | 0.221 | 0.225 | 0.221 | 0.193 | 15.62 |
| 68) | TP | 1,1,2-Trichlor | | 0.139 | 0.182 | 0.164 | 0.169 | 0.182 | 0.181 | 0.178 | 0.171# | 9.17 |
| 69) | TP | Chlorodibromom | | 0.217 | 0.281 | 0.263 | 0.279 | 0.314 | 0.325 | 0.322 | 0.286 | 13.51 |
| 70) | TP | 1,3-Dichloropr | | 0.306 | 0.365 | 0.332 | 0.346 | 0.377 | 0.378 | 0.368 | 0.353 | 7.56 |
| 71) | TP | 1,2-Dibromoethane | | 0.197 | 0.222 | 0.209 | 0.221 | 0.234 | 0.239 | 0.232 | 0.222 | 6.70 |
| 72) | TP | 2-Hexanone | | 0.098 | 0.092 | 0.085 | 0.086 | 0.098 | 0.098 | 0.098 | 0.094 | 6.40 |
| 73) | TP | Chlorobenzene | | 0.768 | 0.976 | 0.819 | 0.798 | 0.855 | 0.874 | 0.847 | 0.848 | 7.88 |
| 74) | TC | Ethylbenzene | | 1.022 | 1.335 | 1.241 | 1.271 | 1.334 | 1.356 | 1.285 | 1.264 | 9.02 |
| 75) | TP | 1,1,1,2-Tetrac | | 0.223 | 0.290 | 0.275 | 0.293 | 0.331 | 0.340 | 0.336 | 0.298 | 14.01 |
| 76) | TP | p/m Xylene | | 0.396 | 0.554 | 0.537 | 0.532 | 0.558 | 0.567 | 0.535 | 0.525 | 11.13 |
| 77) | TP | o Xylene | | 0.392 | 0.543 | 0.521 | 0.517 | 0.539 | 0.547 | 0.520 | 0.511 | 10.54 |
| 78) | TP | Styrene | | 0.657 | 0.931 | 0.899 | 0.877 | 0.909 | 0.893 | 0.737 | 0.843 | 12.34 |
| 79) | I | 1,4-Dichlorobenzene-d4 | ----------ISTD---------- | | | | | | | | | |
| 80) | TP | Bromoform | | 0.215 | 0.240 | 0.221 | 0.253 | 0.305 | 0.327 | 0.319 | 0.269 | 17.65 |
| 82) | TP | Isopropylbenzene | | 1.606 | 2.387 | 2.099 | 2.184 | 2.386 | 2.532 | 2.263 | 2.208 | 13.67 |
| 83) | S | 4-Bromofluorobenzene | 0.788 | 0.765 | 0.756 | 0.720 | 0.727 | 0.727 | 0.746 | 0.727 | 0.745 | 3.18 |
| 84) | TP | Bromobenzene | | 0.671 | 0.788 | 0.605 | 0.611 | 0.657 | 0.696 | 0.651 | 0.668 | 9.21 |

# Initial Calibration Summary
# Form 6
# Volatiles

| | | | |
|---|---|---|---|
| **Client** | **: Sterling Environmental Engineering** | **Lab Number** | **: L2319240** |
| **Project Name** | **: TROY BELTING** | **Project Number** | **: 2011-31 TASK 911** |
| **Instrument ID** | **: VOA108** | **Ical Ref** | **: ICAL19890** |
| **Calibration dates** | **: 04/05/23 22:11 04/06/23 01:18** | | |

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85) TP | n-Propylbenzene | | 2.133 | 2.898 | 2.539 | 2.597 | 2.784 | 2.917 | | 2.645 | 11.12 |
| 86) TP | 1,4-Dichlorobu | | 0.572 | 0.576 | 0.488 | 0.504 | 0.556 | 0.580 | 0.550 | 0.547 | 6.67 |
| 87) TP | 1,1,2,2-Tetrac | | 0.408 | 0.449 | 0.354 | 0.373 | 0.401 | 0.427 | 0.393 | 0.401 | 7.93 |
| 88) TP | 4-Ethyltoluene | | 1.782 | 2.407 | 2.160 | 2.282 | 2.482 | 2.615 | 2.267 | 2.285 | 11.73 |
| 89) TP | 2-Chlorotoluene | | 1.628 | 2.139 | 1.785 | 1.796 | 1.910 | 2.004 | 1.837 | 1.871 | 8.84 |
| 90) TP | 1,3,5-Trimethy | | 1.383 | 1.926 | 1.788 | 1.869 | 2.083 | 2.198 | 2.003 | 1.893 | 13.88 |
| 91) TP | 1,2,3-Trichlor | | 0.307 | 0.340 | 0.279 | 0.284 | 0.316 | 0.327 | 0.308 | 0.309 | 7.11 |
| 92) TP | trans-1,4-Dich | | 0.111 | 0.116 | 0.092 | 0.100 | 0.115 | 0.120 | 0.108 | 0.109 | 9.07 |
| 93) TP | 4-Chlorotoluene | | 1.480 | 1.864 | 1.592 | 1.610 | 1.730 | 1.817 | 1.649 | 1.678 | 8.02 |
| 94) TP | tert-Butylbenzene | | 1.275 | 1.844 | 1.659 | 1.761 | 1.905 | 2.028 | 1.874 | 1.764 | 13.86 |
| 97) TP | 1,2,4-Trimethy | | 1.324 | 1.845 | 1.706 | 1.855 | 2.065 | 2.185 | 1.994 | 1.854 | 15.21 |
| 98) TP | sec-Butylbenzene | | 1.656 | 2.584 | 2.412 | 2.465 | 2.647 | 2.780 | 2.357 | 2.414 | 15.10 |
| 99) TP | p-Isopropyltol | | 1.492 | 2.252 | 2.120 | 2.285 | 2.522 | 2.646 | 2.250 | 2.224 | 16.60 |
| 100) TP | 1,3-Dichlorobe | | 1.282 | 1.611 | 1.267 | 1.269 | 1.355 | 1.398 | 1.299 | 1.354 | 9.10 |
| 101) TP | 1,4-Dichlorobe | | 1.263 | 1.635 | 1.264 | 1.266 | 1.348 | 1.412 | 1.311 | 1.357 | 9.89 |
| 102) TP | p-Diethylbenzene | | 1.005 | 1.355 | 1.256 | 1.373 | 1.553 | 1.654 | 1.586 | 1.397 | 16.07 |
| 103) TP | n-Butylbenzene | | 1.407 | 1.948 | 1.793 | 1.844 | 2.003 | 2.116 | 1.931 | 1.863 | 12.17 |
| 104) TP | 1,2-Dichlorobe | | 1.226 | 1.325 | 1.157 | 1.165 | 1.248 | 1.296 | 1.216 | 1.233 | 5.04 |
| 105) TP | 1,2,4,5-Tetram | | 1.491 | 1.911 | 1.713 | 2.010 | 2.344 | 2.543 | 2.188 | 2.029 | 17.91 |
| 106) TP | 1,2-Dibromo-3- | | 0.067 | 0.071 | 0.058 | 0.068 | 0.074 | 0.079 | 0.080 | 0.071 | 10.58 |
| 107) TP | 1,3,5-Trichlor | | 0.948 | 1.079 | 0.904 | 0.931 | 1.020 | 1.104 | 1.062 | 1.007 | 7.86 |
| 108) TP | Hexachlorobuta | | 0.371 | 0.463 | 0.382 | 0.389 | 0.419 | 0.457 | 0.440 | 0.417 | 8.96 |
| 109) TP | 1,2,4-Trichlor | | 0.843 | 0.993 | 0.771 | 0.810 | 0.886 | 0.960 | 0.926 | 0.884 | 9.16 |
| 110) TP | Naphthalene | | 1.368 | 1.551 | 1.329 | 1.529 | 1.715 | 1.839 | 1.707 | 1.577 | 11.93 |
| 111) TP | 1,2,3-Trichlor | | 0.744 | 0.904 | 0.743 | 0.761 | 0.820 | 0.874 | 0.834 | 0.811 | 7.92 |

# Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Method File : V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023
Response Via : Initial Calibration

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Fluorobenzene | ---------- | ---------- | ISTD | ---------- | ---------- | ---------- | ---------- | ---------- | | |
| 2) | TP | Dichlorodifluo... | | 0.170 | 0.234 | 0.233 | 0.207 | 0.209 | 0.213 | 0.213 | 0.211 | 10.10 |
| 3) | TP | Chloromethane | | 0.282 | 0.351 | 0.307 | 0.266 | 0.261 | 0.252 | 0.246 | 0.281 | 13.17 |
| 4) | TC | Vinyl chloride | 0.204 | 0.212 | 0.308 | 0.273 | 0.249 | 0.252 | 0.254 | 0.252 | 0.250 | 13.04 |
| 5) | TP | Bromomethane | | 0.167 | 0.187 | 0.153 | 0.149 | 0.170 | 0.174 | 0.187 | 0.170 | 8.77 |
| 6) | TP | Chloroethane | | 0.195 | 0.235 | 0.199 | 0.178 | 0.182 | 0.189 | 0.192 | 0.196 | 9.54 |
| 7) | TP | Trichlorofluor... | | 0.317 | 0.411 | 0.420 | 0.376 | 0.386 | 0.394 | 0.394 | 0.385 | 8.72 |
| 8) | TP | Ethyl ether | | 0.069 | 0.113 | 0.097 | 0.095 | 0.104 | 0.102 | 0.100 | 0.097 | 14.03 |
| 10) | TC | 1,1-Dichloroet... | | 0.226 | 0.264 | 0.247 | 0.222 | 0.229 | 0.233 | 0.232 | 0.236 | 6.20 |
| 11) | TP | Carbon disulfide | | 0.663 | 0.826 | 0.745 | 0.689 | 0.705 | 0.709 | 0.704 | 0.720 | 7.31 |
| 12) | TP | Freon-113 | | 0.189 | 0.261 | 0.267 | 0.240 | 0.244 | 0.247 | 0.249 | 0.242 | 10.50 |
| 13) | TP | Iodomethane | | | 0.187 | 0.228 | 0.263 | 0.317 | 0.331 | 0.319 | *L | 0.9971 |
| 14) | TP | Acrolein | | | 0.033 | 0.029 | 0.027 | 0.027 | 0.026 | 0.026 | 0.028 | 9.13 |
| 15) | TP | Methylene chlo... | | 0.310 | 0.334 | 0.271 | 0.244 | 0.251 | 0.242 | 0.239 | 0.270 | 13.87 |
| 17) | TP | Acetone | | | 0.073 | 0.050 | 0.045 | 0.049 | 0.046 | 0.048 | 0.052 | 19.95 |
| 18) | TP | trans-1,2-Dich... | | 0.253 | 0.329 | 0.279 | 0.252 | 0.259 | 0.259 | 0.258 | 0.270 | 10.18 |
| 19) | TP | Methyl acetate | | 0.144 | 0.143 | 0.111 | 0.106 | 0.112 | 0.108 | 0.106 | 0.118 | 14.44 |
| 20) | TP | Methyl tert-bu... | | 0.373 | 0.436 | 0.420 | 0.437 | 0.487 | 0.486 | 0.490 | 0.447 | 9.80 |
| 21) | TP | tert-Butyl alc... | | 0.012 | 0.013 | 0.013 | 0.013 | 0.014 | 0.014 | 0.014 | 0.013 | 6.90 |
| 22) | TP | Diisopropyl ether | | 0.721 | 0.780 | 0.691 | 0.692 | 0.761 | 0.754 | 0.751 | 0.736 | 4.75 |
| 23) | TP | 1,1-Dichloroet... | | 0.519 | 0.602 | 0.495 | 0.447 | 0.456 | 0.444 | 0.437 | 0.486 | 12.27 |
| 24) | TP | Halothane | | 0.192 | 0.257 | 0.231 | 0.208 | 0.211 | 0.212 | 0.211 | 0.217 | 9.52 |
| 25) | TP | Acrylonitrile | | 0.089 | 0.076 | 0.059 | 0.058 | 0.059 | 0.056 | 0.055 | 0.065 | 19.96 |
| 26) | TP | Ethyl tert-but... | | 0.555 | 0.638 | 0.605 | 0.645 | 0.725 | 0.701 | 0.724 | 0.656 | 9.78 |
| 27) | TP | Vinyl acetate | | | 0.369 | 0.348 | 0.402 | 0.400 | 0.412 | 0.379 | 0.385 | 6.28 |
| 28) | TP | cis-1,2-Dichlo... | | 0.306 | 0.334 | 0.291 | 0.277 | 0.284 | 0.283 | 0.284 | 0.294 | 6.75 |
| 29) | TP | 2,2-Dichloropr... | | 0.295 | 0.368 | 0.315 | 0.310 | 0.338 | 0.333 | 0.336 | 0.328 | 7.25 |
| 30) | TP | Bromochloromet... | | 0.159 | 0.193 | 0.162 | 0.150 | 0.151 | 0.151 | 0.141 | 0.158 | 10.51 |
| 31) | TP | Cyclohexane | | 0.257 | 0.354 | 0.376 | 0.368 | 0.411 | 0.403 | 0.407 | 0.368 | 14.56 |
| 32) | TC | Chloroform | | 0.513 | 0.593 | 0.487 | 0.450 | 0.459 | 0.450 | 0.442 | 0.485 | 11.13 |
| 33) | TP | Ethyl acetate | | 0.131 | 0.135 | 0.118 | 0.121 | 0.134 | 0.132 | 0.134 | 0.129 | 5.37 |

# Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Method File : V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023
Response Via : Initial Calibration

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34) | TP | Carbon tetrach... | 0.237 | 0.276 | 0.373 | 0.366 | 0.347 | 0.364 | 0.379 | 0.386 | 0.341 | 15.92 |
| 35) | TP | Tetrahydrofuran | | 0.043 | 0.031 | 0.032 | 0.036 | 0.036 | 0.036 | 0.036 | 0.036 | 11.55 |
| 36) | S | Dibromofluorom... | 0.409 | 0.405 | 0.404 | 0.371 | 0.342 | 0.335 | 0.320 | 0.324 | 0.364 | 10.47 |
| 37) | TP | 1,1,1-Trichlor... | | 0.323 | 0.441 | 0.405 | 0.374 | 0.387 | 0.396 | 0.395 | 0.389 | 9.18 |
| 39) | TP | 2-Butanone | | | 0.068 | 0.059 | 0.061 | 0.067 | 0.063 | 0.064 | 0.064 | 5.30 |
| 40) | TP | 1,1-Dichloropr... | | 0.208 | 0.276 | 0.280 | 0.285 | 0.306 | 0.314 | 0.316 | 0.284 | 13.06 |
| 41) | TP | Benzene | 0.681 | 0.797 | 0.952 | 0.895 | 0.897 | 0.956 | 0.951 | 0.937 | 0.883 | 11.01 |
| 42) | TP | tert-Amyl meth... | | 0.341 | 0.401 | 0.398 | 0.442 | 0.528 | 0.536 | 0.550 | 0.457 | 17.93 |
| 43) | S | 1,2-Dichloroet... | 0.364 | 0.368 | 0.357 | 0.333 | 0.319 | 0.309 | 0.296 | 0.297 | 0.330 | 8.97 |
| 44) | TP | 1,2-Dichloroet... | | 0.374 | 0.389 | 0.334 | 0.317 | 0.328 | 0.319 | 0.316 | 0.339 | 8.72 |
| 47) | TP | Methyl cyclohe... | | 0.247 | 0.309 | 0.347 | 0.354 | 0.397 | 0.408 | 0.418 | 0.354 | 17.27 |
| 48) | TP | Trichloroethene | 0.154 | 0.221 | 0.278 | 0.270 | 0.272 | 0.289 | 0.282 | 0.286 | 0.256 | 18.10 |
| 50) | TP | Dibromomethane | | 0.133 | 0.174 | 0.148 | 0.142 | 0.149 | 0.145 | 0.145 | 0.148 | 8.59 |
| 51) | TC | 1,2-Dichloropr... | | 0.240 | 0.266 | 0.242 | 0.243 | 0.257 | 0.255 | 0.251 | 0.251 | 3.80 |
| 53) | TP | 2-Chloroethyl ... | | 0.080 | 0.096 | 0.089 | 0.101 | 0.121 | 0.121 | 0.126 | 0.105 | 17.03 |
| 54) | TP | Bromodichlorom... | | 0.300 | 0.371 | 0.330 | 0.321 | 0.350 | 0.347 | 0.347 | 0.338 | 6.82 |
| 57) | TP | 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 5.55 |
| 58) | TP | cis-1,3-Dichlo... | | 0.281 | 0.301 | 0.300 | 0.334 | 0.383 | 0.384 | 0.390 | 0.339 | 13.68 |
| 59) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | | | |
| 60) | S | Toluene-d8 | 1.152 | 1.150 | 1.178 | 1.164 | 1.176 | 1.164 | 1.177 | 1.157 | 1.165 | 0.96 |
| 61) | TC | Toluene | | 0.572 | 0.729 | 0.662 | 0.650 | 0.690 | 0.709 | 0.695 | 0.672 | 7.68 |
| 62) | TP | 4-Methyl-2-pen... | | 0.037 | 0.048 | 0.047 | 0.052 | 0.060 | 0.061 | 0.060 | 0.052 | 17.44 |
| 63) | TP | Tetrachloroethene | | 0.258 | 0.373 | 0.330 | 0.319 | 0.335 | 0.352 | 0.349 | 0.331 | 11.07 |
| 65) | TP | trans-1,3-Dich... | | 0.221 | 0.257 | 0.265 | 0.310 | 0.367 | 0.375 | 0.375 | *Q | 0.9980 |
| 67) | TP | Ethyl methacry... | | 0.146 | 0.180 | 0.170 | 0.191 | 0.221 | 0.225 | 0.221 | 0.193 | 15.62 |
| 68) | TP | 1,1,2-Trichlor... | | 0.139 | 0.182 | 0.164 | 0.169 | 0.182 | 0.181 | 0.178 | 0.171# | 9.17 |
| 69) | TP | Chlorodibromom... | | 0.217 | 0.281 | 0.263 | 0.279 | 0.314 | 0.325 | 0.322 | 0.286 | 13.51 |
| 70) | TP | 1,3-Dichloropr... | | 0.306 | 0.365 | 0.332 | 0.346 | 0.377 | 0.378 | 0.368 | 0.353 | 7.56 |
| 71) | TP | 1,2-Dibromoethane | | 0.197 | 0.222 | 0.209 | 0.221 | 0.234 | 0.239 | 0.232 | 0.222 | 6.70 |
| 72) | TP | 2-Hexanone | | 0.098 | 0.092 | 0.085 | 0.086 | 0.098 | 0.098 | 0.098 | 0.094 | 6.40 |
| 73) | TP | Chlorobenzene | | 0.768 | 0.976 | 0.819 | 0.798 | 0.855 | 0.874 | 0.847 | 0.848 | 7.88 |

# Response Factor Report VOA 108

Method Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Method File : V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023
Response Via : Initial Calibration

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

| | | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 74) | TC | Ethylbenzene | | 1.022 | 1.335 | 1.241 | 1.271 | 1.334 | 1.356 | 1.285 | 1.264 | 9.02 |
| 75) | TP | 1,1,1,2-Tetrac... | | 0.223 | 0.290 | 0.275 | 0.293 | 0.331 | 0.340 | 0.336 | 0.298 | 14.01 |
| 76) | TP | p/m Xylene | | 0.396 | 0.554 | 0.537 | 0.532 | 0.558 | 0.567 | 0.535 | 0.525 | 11.13 |
| 77) | TP | o Xylene | | 0.392 | 0.543 | 0.521 | 0.517 | 0.539 | 0.547 | 0.520 | 0.511 | 10.54 |
| 78) | TP | Styrene | | 0.657 | 0.931 | 0.899 | 0.877 | 0.909 | 0.893 | 0.737 | 0.843 | 12.34 |
| 79) | I | 1,4-Dichlorobenzene-d4 | ----------ISTD---------- | | | | | | | | | |
| 80) | TP | Bromoform | | 0.215 | 0.240 | 0.221 | 0.253 | 0.305 | 0.327 | 0.319 | 0.269 | 17.65 |
| 82) | TP | Isopropylbenzene | | 1.606 | 2.387 | 2.099 | 2.184 | 2.386 | 2.532 | 2.263 | 2.208 | 13.67 |
| 83) | S | 4-Bromofluorob... | 0.788 | 0.765 | 0.756 | 0.720 | 0.727 | 0.727 | 0.746 | 0.727 | 0.745 | 3.18 |
| 84) | TP | Bromobenzene | | 0.671 | 0.788 | 0.605 | 0.611 | 0.657 | 0.696 | 0.651 | 0.668 | 9.21 |
| 85) | TP | n-Propylbenzene | | 2.133 | 2.898 | 2.539 | 2.597 | 2.784 | 2.917 | | 2.645 | 11.12 |
| 86) | TP | 1,4-Dichlorobu... | | 0.572 | 0.576 | 0.488 | 0.504 | 0.556 | 0.580 | 0.550 | 0.547 | 6.67 |
| 87) | TP | 1,1,2,2-Tetrac... | | 0.408 | 0.449 | 0.354 | 0.373 | 0.401 | 0.427 | 0.393 | 0.401 | 7.93 |
| 88) | TP | 4-Ethyltoluene | | 1.782 | 2.407 | 2.160 | 2.282 | 2.482 | 2.615 | 2.267 | 2.285 | 11.73 |
| 89) | TP | 2-Chlorotoluene | | 1.628 | 2.139 | 1.785 | 1.796 | 1.910 | 2.004 | 1.837 | 1.871 | 8.84 |
| 90) | TP | 1,3,5-Trimethy... | | 1.383 | 1.926 | 1.788 | 1.869 | 2.083 | 2.198 | 2.003 | 1.893 | 13.88 |
| 91) | TP | 1,2,3-Trichlor... | | 0.307 | 0.340 | 0.279 | 0.284 | 0.316 | 0.327 | 0.308 | 0.309 | 7.11 |
| 92) | TP | trans-1,4-Dich... | | 0.111 | 0.116 | 0.092 | 0.100 | 0.115 | 0.120 | 0.108 | 0.109 | 9.07 |
| 93) | TP | 4-Chlorotoluene | | 1.480 | 1.864 | 1.592 | 1.610 | 1.730 | 1.817 | 1.649 | 1.678 | 8.02 |
| 94) | TP | tert-Butylbenzene | | 1.275 | 1.844 | 1.659 | 1.761 | 1.905 | 2.028 | 1.874 | 1.764 | 13.86 |
| 97) | TP | 1,2,4-Trimethy... | | 1.324 | 1.845 | 1.706 | 1.855 | 2.065 | 2.185 | 1.994 | 1.854 | 15.21 |
| 98) | TP | sec-Butylbenzene | | 1.656 | 2.584 | 2.412 | 2.465 | 2.647 | 2.780 | 2.357 | 2.414 | 15.10 |
| 99) | TP | p-Isopropyltol... | | 1.492 | 2.252 | 2.120 | 2.285 | 2.522 | 2.646 | 2.250 | 2.224 | 16.60 |
| 100) | TP | 1,3-Dichlorobe... | | 1.282 | 1.611 | 1.267 | 1.269 | 1.355 | 1.398 | 1.299 | 1.354 | 9.10 |
| 101) | TP | 1,4-Dichlorobe... | | 1.263 | 1.635 | 1.264 | 1.266 | 1.348 | 1.412 | 1.311 | 1.357 | 9.89 |
| 102) | TP | p-Diethylbenzene | | 1.005 | 1.355 | 1.256 | 1.373 | 1.553 | 1.654 | 1.586 | 1.397 | 16.07 |
| 103) | TP | n-Butylbenzene | | 1.407 | 1.948 | 1.793 | 1.844 | 2.003 | 2.116 | 1.931 | 1.863 | 12.17 |
| 104) | TP | 1,2-Dichlorobe... | | 1.226 | 1.325 | 1.157 | 1.165 | 1.248 | 1.296 | 1.216 | 1.233 | 5.04 |
| 105) | TP | 1,2,4,5-Tetram... | | 1.491 | 1.911 | 1.713 | 2.010 | 2.344 | 2.543 | 2.188 | 2.029 | 17.91 |
| 106) | TP | 1,2-Dibromo-3-... | | 0.067 | 0.071 | 0.058 | 0.068 | 0.074 | 0.079 | 0.080 | 0.071 | 10.58 |
| 107) | TP | 1,3,5-Trichlor... | | 0.948 | 1.079 | 0.904 | 0.931 | 1.020 | 1.104 | 1.062 | 1.007 | 7.86 |

Method Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Method File : V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023
Response Via : Initial Calibration

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

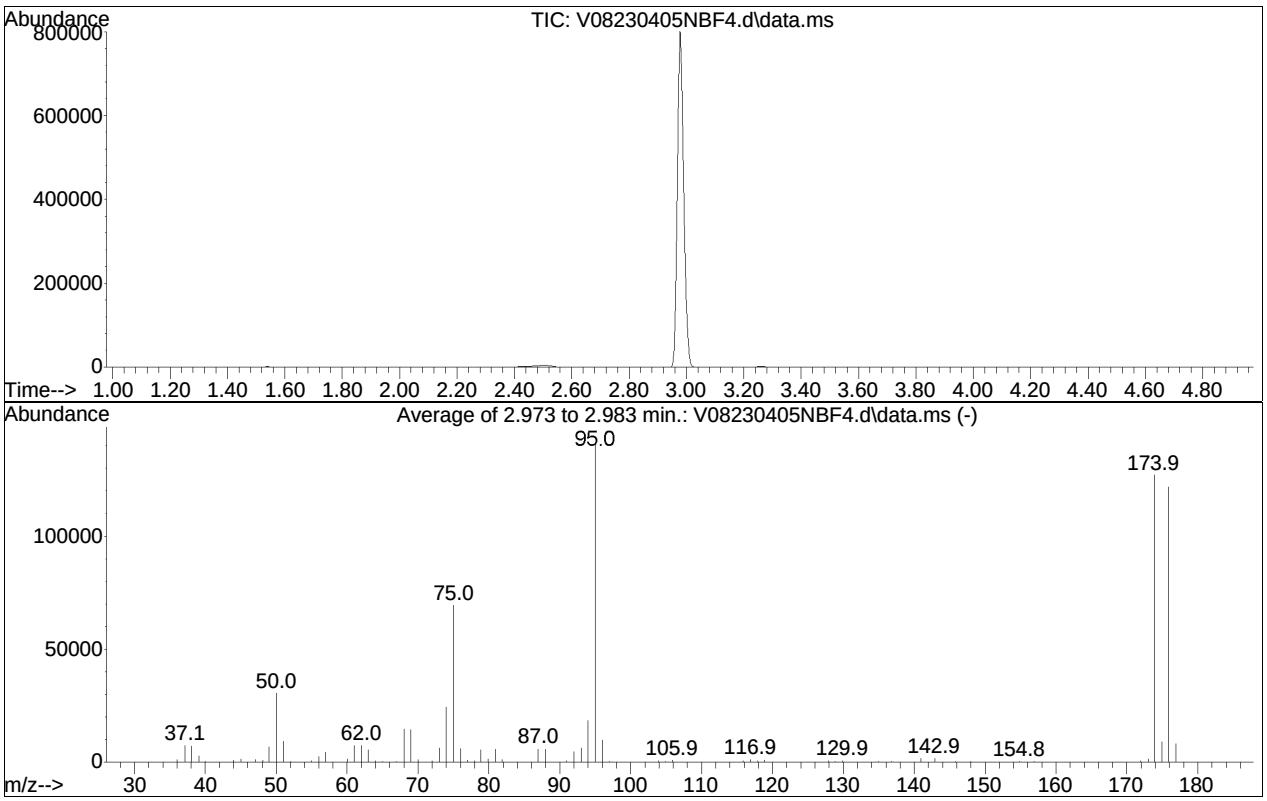
| | Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 108) | TP Hexachlorobuta... | 0.371 | 0.463 | 0.382 | 0.389 | 0.419 | 0.457 | 0.440 | 0.417 | | 8.96 |
| 109) | TP 1,2,4-Trichlor... | 0.843 | 0.993 | 0.771 | 0.810 | 0.886 | 0.960 | 0.926 | 0.884 | | 9.16 |
| 110) | TP Naphthalene | 1.368 | 1.551 | 1.329 | 1.529 | 1.715 | 1.839 | 1.707 | 1.577 | | 11.93 |
| 111) | TP 1,2,3-Trichlor... | 0.744 | 0.904 | 0.743 | 0.761 | 0.820 | 0.874 | 0.834 | 0.811 | | 7.92 |

(#) = Out of Range

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405NBF4.d
Acq On : 5 Apr 2023 8:48 pm
Operator : VOA108:LAC
Sample : WG1763595-1
Misc : WG1763595
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023




AutoFind: Scans 312, 313, 314; Background Corrected with Scan 304

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 21.6 | 30563 | PASS |
| 75 | 95 | 30 | 60 | 49.1 | 69459 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 141397 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 9708 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 1471 | PASS |
| 174 | 95 | 50 | 100 | 90.0 | 127245 | PASS |
| 175 | 174 | 5 | 9 | 7.2 | 9152 | PASS |
| 176 | 174 | 95 | 101 | 95.7 | 121747 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 8066 | PASS |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N04.d
Acq On : 5 Apr 2023 10:11 pm
Operator : VOA108:PID
Sample : I8260STD0.19PPB
Misc : WG1763595,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:17:44 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-L11 - Level 11 for 8260-LRR product

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 228333 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 74.52% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 214578 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 78.24% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 114656 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 66.63% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 93340 | 11.231 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 112.31% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 83159 | 11.024 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 110.24% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 247296 | 9.893 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.93% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 90350 | 10.583 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 105.83% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) Vinyl chloride | 1.169 | 62 | 887 | 0.155 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.482 | 117 | 1030 | 0.132 | ug/L # | 68 |
| 41) Benzene | 5.054 | 78 | 2954 | 0.146 | ug/L # | 75 |
| 48) Trichloroethene | 5.767 | 95 | 670 | 0.114 | ug/L # | 76 |

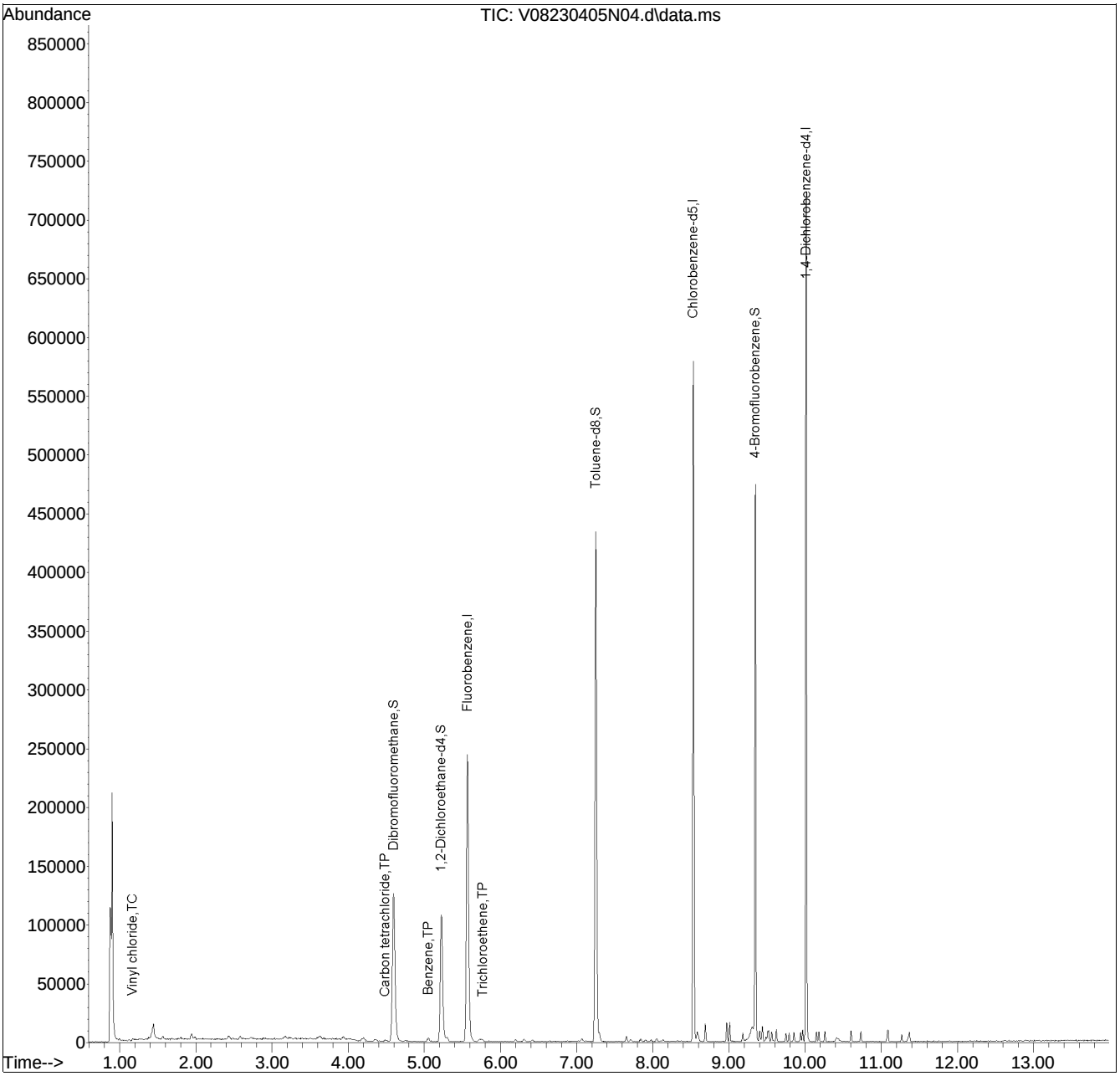
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N04.d
Acq On : 5 Apr 2023 10:11 pm
Operator : VOA108:PID
Sample : I8260STD0.19PPB
Misc : WG1763595,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 06 12:17:44 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR productL\V08230405N09.d•



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230405N04.d | Operator | : VOA108:PID |
| Date Inj'd | : 4/5/2023 10:11 pm | Instrument | : VOA 108 |
| Sample | : I8260STD0.19PPB | Quant Date | : 4/6/2023 12:18 pm |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N06.d
Acq On : 5 Apr 2023 10:53 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1763595,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 12:17:53 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 228324 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = | 74.52% | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 205741 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = | 75.02% | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 117080 | 10.000 ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = | 68.04% | |
| System Monitoring Compounds | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 92573 | 11.139 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 111.39% | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 83911 | 11.125 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 111.25% | |
| 60) Toluene-d8 | 7.251 | 98 | 236661 | 9.874 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.74% | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 89522 | 10.268 ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.68% | |
| Target Compounds | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 1940 | 0.402 ug/L | 98 |
| 3) Chloromethane | 1.127 | 50 | 3217 | 0.502 ug/L | 95 |
| 4) Vinyl chloride | 1.169 | 62 | 2417 | 0.423 ug/L | 92 |
| 5) Bromomethane | 1.378 | 94 | 1906 | 0.492 ug/L | 92 |
| 6) Chloroethane | 1.473 | 64 | 2228 | 0.498 ug/L | 79 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 3617 | 0.411 ug/L | 89 |
| 8) Ethyl ether | 1.803 | 74 | 791 | 0.356 ug/L # | 75 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 2575 | 0.478 ug/L # | 55 |
| 11) Carbon disulfide | 1.945 | 76 | 7565 | 0.460 ug/L | 97 |
| 12) Freon-113 | 1.981 | 101 | 2157 | 0.390 ug/L # | 81 |
| 13) Iodomethane | 2.044 | 142 | 1560 | 0.268 ug/L | 77 |
| 14) Acrolein | 0.000 | | 0 | N.D. d | |
| 15) Methylene chloride | 2.427 | 84 | 3543 | 0.574 ug/L | 72 |
| 17) Acetone | 2.485 | 43 | 1290M6 | 0.930 ug/L | |
| 18) trans-1,2-Dichloroethene | 2.579 | 96 | 2891 | 0.469 ug/L | 76 |
| 19) Methyl acetate | 2.637 | 43 | 1640 | 0.607 ug/L # | 71 |
| 20) Methyl tert-butyl ether | 2.726 | 73 | 4253 | 0.417 ug/L # | 81 |
| 21) tert-Butyl alcohol | 2.883 | 59 | 696 | 2.266 ug/L # | 1 |
| 22) Diisopropyl ether | 3.166 | 45 | 8236 | 0.490 ug/L | 98 |
| 23) 1,1-Dichloroethane | 3.234 | 63 | 5925 | 0.534 ug/L | 97 |
| 24) Halothane | 3.392 | 117 | 2194M3 | 0.442 ug/L | |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N06.d
Acq On : 5 Apr 2023 10:53 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1763595,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 12:17:53 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.303 | 53 | 1014 | 0.688 | ug/L | # | 78 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 6333 | 0.423 | ug/L | | 96 |
| 27) Vinyl acetate | 0.000 | | 0 | N.D. | d | | |
| 28) cis-1,2-Dichloroethene | 3.942 | 96 | 3490 | 0.519 | ug/L | # | 65 |
| 29) 2,2-Dichloropropane | 4.073 | 77 | 3364 | 0.449 | ug/L | # | 71 |
| 30) Bromochloromethane | 4.199 | 128 | 1810 | 0.502 | ug/L | # | 58 |
| 31) Cyclohexane | 4.189 | 56 | 2933 | 0.349 | ug/L | | 85 |
| 32) Chloroform | 4.362 | 83 | 5857 | 0.529 | ug/L | | 96 |
| 33) Ethyl acetate | 4.613 | 43 | 1494 | 0.506 | ug/L | # | 75 |
| 34) Carbon tetrachloride | 4.488 | 117 | 3152 | 0.405 | ug/L | # | 24 |
| 35) Tetrahydrofuran | 0.000 | | 0 | N.D. | d | | |
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 3688 | 0.416 | ug/L | | 93 |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | d | | |
| 40) 1,1-Dichloropropene | 4.744 | 75 | 2379 | 0.367 | ug/L | # | 88 |
| 41) Benzene | 5.049 | 78 | 9097 | 0.451 | ug/L | | 89 |
| 42) tert-Amyl methyl ether | 5.295 | 73 | 3897 | 0.374 | ug/L | | 86 |
| 44) 1,2-Dichloroethane | 5.305 | 62 | 4267 | 0.551 | ug/L | | 95 |
| 47) Methyl cyclohexane | 5.730 | 83 | 2815 | 0.348 | ug/L | # | 70 |
| 48) Trichloroethene | 5.767 | 95 | 2525 | 0.431 | ug/L | | 91 |
| 50) Dibromomethane | 6.192 | 93 | 1515 | 0.448 | ug/L | # | 72 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 2742 | 0.479 | ug/L | | 87 |
| 53) 2-Chloroethyl vinyl ether | 7.062 | 63 | 915 | 0.382 | ug/L | # | 81 |
| 54) Bromodichloromethane | 6.417 | 83 | 3426 | 0.444 | ug/L | # | 96 |
| 57) 1,4-Dioxane | 6.642 | 88 | 3023 | 96.358 | ug/L | # | 78 |
| 58) cis-1,3-Dichloropropene | 7.067 | 75 | 3211 | 0.415 | ug/L | | 94 |
| 61) Toluene | 7.298 | 92 | 5888 | 0.426 | ug/L | | 97 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 377 | 0.351 | ug/L | # | 61 |
| 63) Tetrachloroethene | 7.654 | 166 | 2652 | 0.390 | ug/L | | 89 |
| 65) trans-1,3-Dichloropropene | 7.717 | 75 | 2270 | 0.356 | ug/L | | 91 |
| 67) Ethyl methacrylate | 7.901 | 69 | 1500 | 0.377 | ug/L | | 90 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 1429 | 0.407 | ug/L | # | 77 |
| 69) Chlorodibromomethane | 7.979 | 129 | 2234 | 0.380 | ug/L | | 97 |
| 70) 1,3-Dichloropropane | 8.048 | 76 | 3145 | 0.433 | ug/L | | 91 |
| 71) 1,2-Dibromoethane | 8.131 | 107 | 2023 | 0.443 | ug/L | | 97 |
| 72) 2-Hexanone | 8.367 | 43 | 1010 | 0.525 | ug/L | # | 88 |
| 73) Chlorobenzene | 8.546 | 112 | 7898 | 0.453 | ug/L | | 89 |
| 74) Ethylbenzene | 8.582 | 91 | 10514 | 0.404 | ug/L | | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 2297 | 0.374 | ug/L | # | 67 |
| 76) p/m Xylene | 8.692 | 106 | 8150 | 0.754 | ug/L | | 93 |
| 77) o Xylene | 8.970 | 106 | 8071 | 0.767 | ug/L | | 88 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N06.d
Acq On : 5 Apr 2023 10:53 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1763595,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 12:17:53 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.007 | 104 | 13509 | 0.779 | ug/L | | 86 |
| 80) Bromoform | 9.012 | 173 | 1257 | 0.400 | ug/L | | 94 |
| 82) Isopropylbenzene | 9.180 | 105 | 9402 | 0.364 | ug/L | | 93 |
| 84) Bromobenzene | 9.400 | 156 | 3927 | 0.502 | ug/L | | 92 |
| 85) n-Propylbenzene | 9.437 | 91 | 12488 | 0.409 | ug/L | | 92 |
| 86) 1,4-Dichlorobutane | 9.437 | 55 | 3350 | 0.523 | ug/L | # | 90 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 2388 | 0.509 | ug/L | | 99 |
| 88) 4-Ethyltoluene | 9.510 | 105 | 10434 | 0.390 | ug/L | | 92 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 9531 | 0.435 | ug/L | # | 79 |
| 90) 1,3,5-Trimethylbenzene | 9.563 | 105 | 8099 | 0.365 | ug/L | # | 81 |
| 91) 1,2,3-Trichloropropane | 9.552 | 75 | 1796 | 0.497 | ug/L | | 92 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 651 | 0.510 | ug/L | # | 64 |
| 93) 4-Chlorotoluene | 9.626 | 91 | 8666 | 0.441 | ug/L | # | 84 |
| 94) tert-Butylbenzene | 9.746 | 119 | 7463 | 0.361 | ug/L | # | 95 |
| 97) 1,2,4-Trimethylbenzene | 9.788 | 105 | 7750 | 0.357 | ug/L | # | 77 |
| 98) sec-Butylbenzene | 9.851 | 105 | 9694 | 0.343 | ug/L | | 90 |
| 99) p-Isopropyltoluene | 9.940 | 119 | 8737 | 0.336 | ug/L | | 93 |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 7505 | 0.473 | ug/L | | 94 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 7396 | 0.465 | ug/L | # | 80 |
| 102) p-Diethylbenzene | 10.150 | 119 | 5881 | 0.360 | ug/L | | 85 |
| 103) n-Butylbenzene | 10.182 | 91 | 8239 | 0.378 | ug/L | | 97 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 7176 | 0.497 | ug/L | | 94 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 8731 | 0.368 | ug/L | | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 10.716 | 155 | 394 | 0.473 | ug/L | | 95 |
| 107) 1,3,5-Trichlorobenzene | 10.732 | 180 | 5547 | 0.470 | ug/L | # | 89 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 2173 | 0.445 | ug/L | | 95 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 4936 | 0.477 | ug/L | | 96 |
| 110) Naphthalene | 11.267 | 128 | 8010 | 0.434 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.366 | 180 | 4353 | 0.458 | ug/L | | 96 |

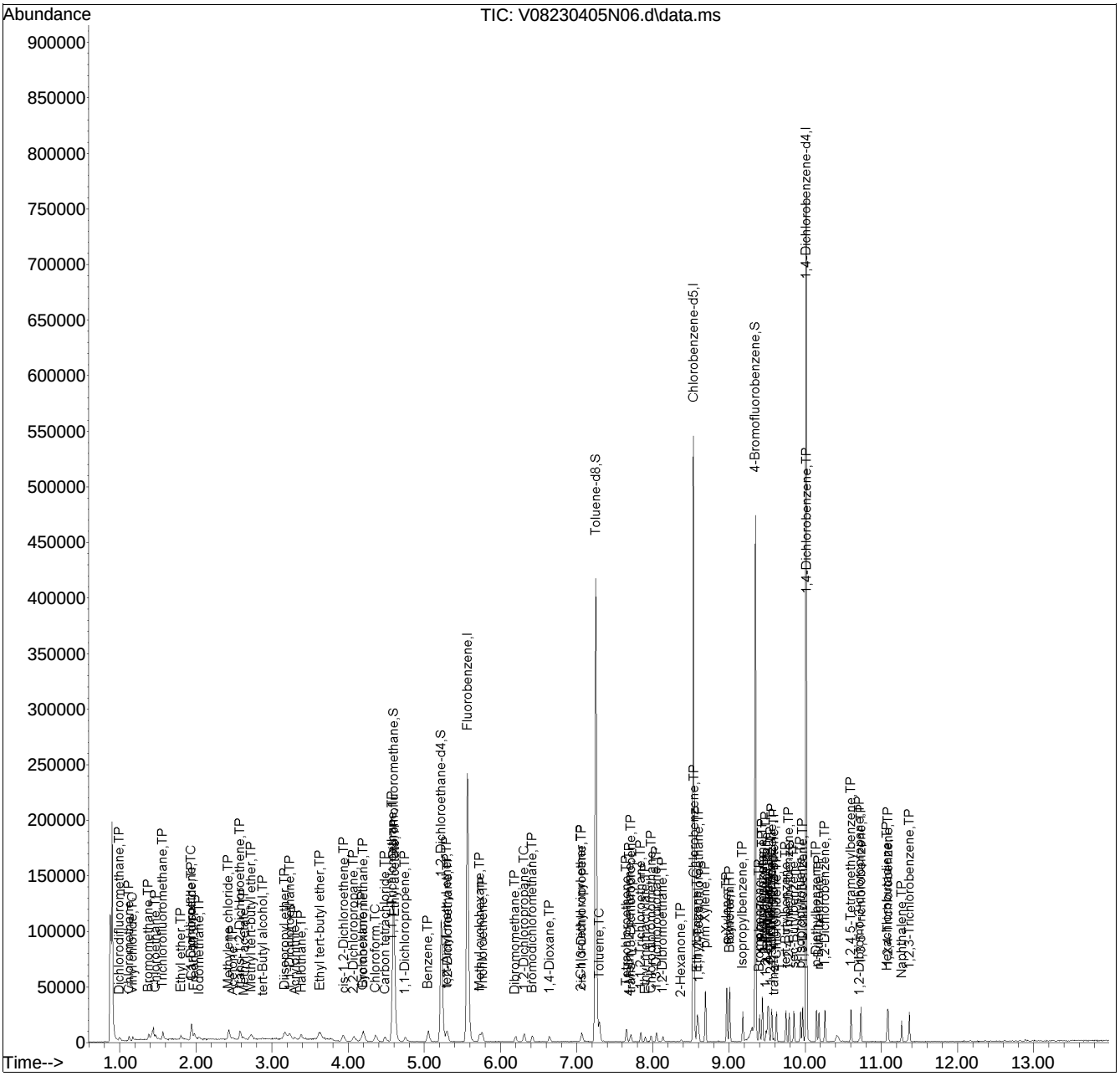
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N06.d
Acq On : 5 Apr 2023 10:53 pm
Operator : VOA108:PID
Sample : I8260STD0.5PPB
Misc : WG1763595,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 06 12:17:53 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

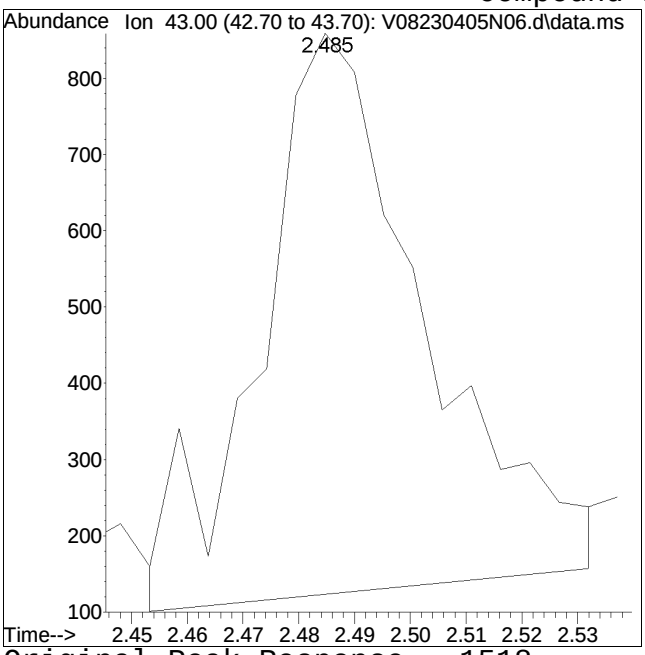


# Manual Integration Report

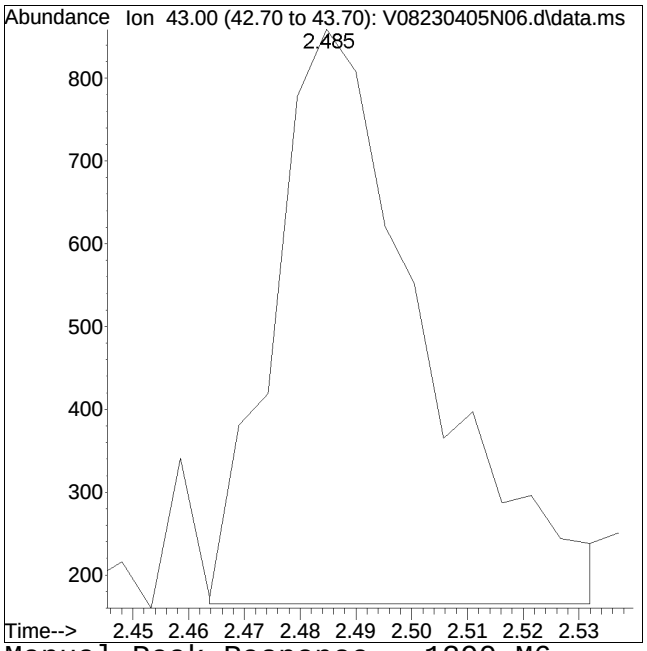
Data Path : I:\VOLATILES\VOA108\2023\2
Data File : V08230405N06.d
Date Inj'd : 4/5/2023 10:53 pm
Sample : I8260STD0.5PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:18 pm

## Compound #17: Acetone




Original Peak Response = 1518



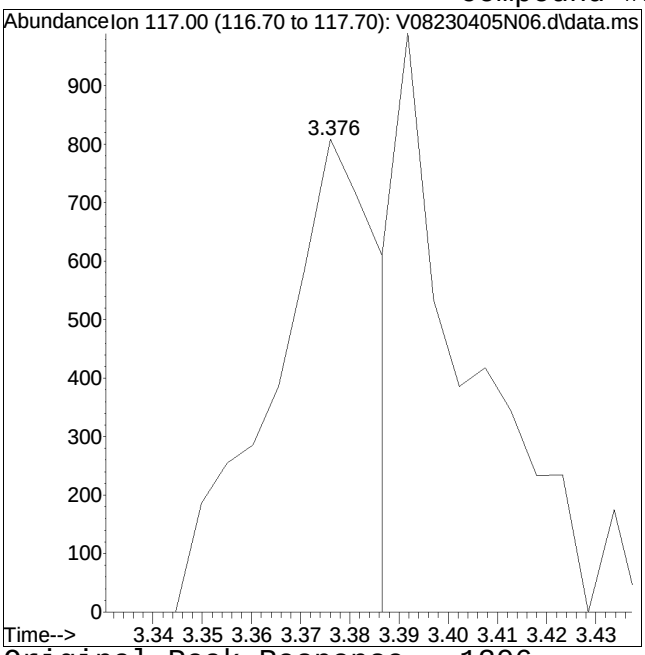

Manual Peak Response = 1290 M6

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

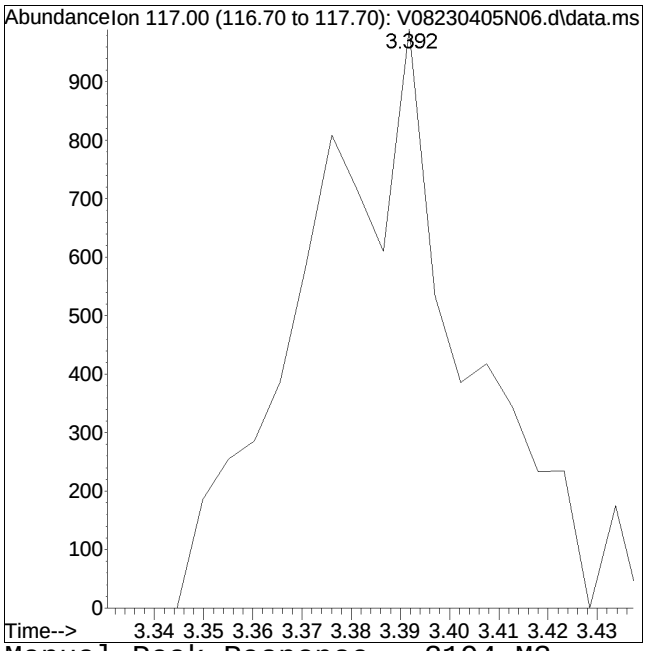
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230405N06.d Operator : VOA108:PID
Date Inj'd : 4/5/2023 10:53 pm Instrument : VOA 108
Sample : I8260STD0.5PPB Quant Date : 4/6/2023 12:18 pm

Compound #24: Halothane




Original Peak Response = 1206




Manual Peak Response = 2194 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N08.d
Acq On : 5 Apr 2023 11:34 pm
Operator : VOA108:PID
Sample : I8260STD2PPB
Misc : WG1763595,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 12:18:03 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 269863 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 88.08% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 241200 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 87.95% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 142570 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 82.85% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.592 | 113 | 109072 | 11.104 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 111.04% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 96473 | 10.821 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 108.21% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 284040 | 10.109 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.09% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 107832 | 10.157 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.57% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 12637 | 2.215 | ug/L | 99 |
| 3) Chloromethane | 1.122 | 50 | 18921 | 2.499 | ug/L | 99 |
| 4) Vinyl chloride | 1.169 | 62 | 16639 | 2.462 | ug/L | 98 |
| 5) Bromomethane | 1.378 | 94 | 10107 | 2.208 | ug/L | 96 |
| 6) Chloroethane | 1.468 | 64 | 12678 | 2.400 | ug/L | 97 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 22168 | 2.132 | ug/L | 98 |
| 8) Ethyl ether | 1.803 | 74 | 6113 | 2.328 | ug/L # | 73 |
| 10) 1,1-Dichloroethene | 1.940 | 96 | 14265 | 2.239 | ug/L # | 62 |
| 11) Carbon disulfide | 1.945 | 76 | 44556 | 2.293 | ug/L | 95 |
| 12) Freon-113 | 1.981 | 101 | 14097 | 2.155 | ug/L | 96 |
| 13) Iodomethane | 2.039 | 142 | 10094 | 1.469 | ug/L | 84 |
| 14) Acrolein | 2.212 | 56 | 1758 | 2.344 | ug/L | 90 |
| 15) Methylene chloride | 2.432 | 84 | 18000 | 2.469 | ug/L | 77 |
| 17) Acetone | 2.490 | 43 | 3937 | 2.401 | ug/L # | 85 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 17749 | 2.436 | ug/L | 73 |
| 19) Methyl acetate | 2.621 | 43 | 7697 | 2.410 | ug/L | 96 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 23514 | 1.950 | ug/L # | 93 |
| 21) tert-Butyl alcohol | 2.878 | 59 | 3614 | 9.956 | ug/L # | 83 |
| 22) Diisopropyl ether | 3.172 | 45 | 42090 | 2.120 | ug/L # | 89 |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 32513 | 2.481 | ug/L | 96 |
| 24) Halothane | 3.381 | 117 | 13871 | 2.364 | ug/L | 98 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N08.d
Acq On : 5 Apr 2023 11:34 pm
Operator : VOA108:PID
Sample : I8260STD2PPB
Misc : WG1763595,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 12:18:03 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.297 | 53 | 4110 | 2.360 | ug/L | | 97 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 34461 | 1.946 | ug/L | | 96 |
| 27) Vinyl acetate | 3.617 | 43 | 19907 | 1.917 | ug/L | | 97 |
| 28) cis-1,2-Dichloroethene | 3.932 | 96 | 18050 | 2.273 | ug/L | # | 71 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 19874 | 2.246 | ug/L | | 87 |
| 30) Bromochloromethane | 4.204 | 128 | 10391 | 2.437 | ug/L | # | 50 |
| 31) Cyclohexane | 4.184 | 56 | 19111 | 1.925 | ug/L | # | 63 |
| 32) Chloroform | 4.362 | 83 | 32013 | 2.447 | ug/L | | 97 |
| 33) Ethyl acetate | 4.613 | 43 | 7276 | 2.085 | ug/L | # | 82 |
| 34) Carbon tetrachloride | 4.488 | 117 | 20118 | 2.186 | ug/L | | 96 |
| 35) Tetrahydrofuran | 4.572 | 42 | 2300M3 | 2.389 | ug/L | | |
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 23812 | 2.270 | ug/L | # | 95 |
| 39) 2-Butanone | 4.797 | 43 | 3679 | 2.141 | ug/L | # | 88 |
| 40) 1,1-Dichloropropene | 4.745 | 75 | 14904 | 1.946 | ug/L | | 90 |
| 41) Benzene | 5.054 | 78 | 51394 | 2.156 | ug/L | | 92 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 21628 | 1.755 | ug/L | | 92 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 20984 | 2.291 | ug/L | | 93 |
| 47) Methyl cyclohexane | 5.725 | 83 | 16677 | 1.744 | ug/L | # | 78 |
| 48) Trichloroethene | 5.762 | 95 | 14990 | 2.166 | ug/L | # | 87 |
| 50) Dibromomethane | 6.197 | 93 | 9395 | 2.352 | ug/L | # | 87 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 14348 | 2.122 | ug/L | | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 5160 | 1.823 | ug/L | | 91 |
| 54) Bromodichloromethane | 6.417 | 83 | 20024 | 2.195 | ug/L | | 96 |
| 57) 1,4-Dioxane | 6.643 | 88 | 15615 | 421.115 | ug/L | # | 76 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 16239 | 1.775 | ug/L | | 95 |
| 61) Toluene | 7.303 | 92 | 35170 | 2.168 | ug/L | | 100 |
| 62) 4-Methyl-2-pentanone | 7.702 | 58 | 2326 | 1.849 | ug/L | # | 86 |
| 63) Tetrachloroethene | 7.654 | 166 | 17973 | 2.252 | ug/L | | 85 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 12400 | 1.659 | ug/L | | 94 |
| 67) Ethyl methacrylate | 7.901 | 69 | 8695 | 1.864 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 8763 | 2.129 | ug/L | | 91 |
| 69) Chlorodibromomethane | 7.974 | 129 | 13573 | 1.967 | ug/L | | 92 |
| 70) 1,3-Dichloropropane | 8.048 | 76 | 17595 | 2.067 | ug/L | | 97 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 10706 | 1.999 | ug/L | | 99 |
| 72) 2-Hexanone | 8.373 | 43 | 4444 | 1.969 | ug/L | # | 93 |
| 73) Chlorobenzene | 8.546 | 112 | 47061 | 2.301 | ug/L | # | 87 |
| 74) Ethylbenzene | 8.582 | 91 | 64405 | 2.113 | ug/L | | 97 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 14008 | 1.946 | ug/L | | 93 |
| 76) p/m Xylene | 8.693 | 106 | 53432 | 4.216 | ug/L | | 89 |
| 77) o Xylene | 8.970 | 106 | 52411 | 4.250 | ug/L | | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N08.d
Acq On : 5 Apr 2023 11:34 pm
Operator : VOA108:PID
Sample : I8260STD2PPB
Misc : WG1763595,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 12:18:03 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 78) | Styrene | 9.007 | 104 | 89831 | 4.417 | ug/L | # | 83 |
| 80) | Bromoform | 9.012 | 173 | 6855 | 1.790 | ug/L | | 95 |
| 82) | Isopropylbenzene | 9.180 | 105 | 68062 | 2.162 | ug/L | | 93 |
| 84) | Bromobenzene | 9.400 | 156 | 22458 | 2.357 | ug/L | | 99 |
| 85) | n-Propylbenzene | 9.437 | 91 | 82639 | 2.220 | ug/L | # | 89 |
| 86) | 1,4-Dichlorobutane | 9.437 | 55 | 16421 | 2.107 | ug/L | | 98 |
| 87) | 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 12793 | 2.239 | ug/L | | 97 |
| 88) | 4-Ethyltoluene | 9.510 | 105 | 68626 | 2.106 | ug/L | | 91 |
| 89) | 2-Chlorotoluene | 9.521 | 91 | 60991 | 2.286 | ug/L | # | 83 |
| 90) | 1,3,5-Trimethylbenzene | 9.563 | 105 | 54928 | 2.035 | ug/L | # | 83 |
| 91) | 1,2,3-Trichloropropane | 9.552 | 75 | 9706 | 2.206 | ug/L | | 97 |
| 92) | trans-1,4-Dichloro-2-b... | 9.589 | 53 | 3304 | 2.128 | ug/L | # | 84 |
| 93) | 4-Chlorotoluene | 9.621 | 91 | 53144M3 | 2.222 | ug/L | | |
| 94) | tert-Butylbenzene | 9.746 | 119 | 52566 | 2.090 | ug/L | | 94 |
| 97) | 1,2,4-Trimethylbenzene | 9.788 | 105 | 52619 | 1.991 | ug/L | | 88 |
| 98) | sec-Butylbenzene | 9.851 | 105 | 73681 | 2.141 | ug/L | | 93 |
| 99) | p-Isopropyltoluene | 9.940 | 119 | 64209 | 2.025 | ug/L | | 94 |
| 100) | 1,3-Dichlorobenzene | 9.967 | 146 | 45941 | 2.379 | ug/L | | 95 |
| 101) | 1,4-Dichlorobenzene | 10.019 | 146 | 46615 | 2.409 | ug/L | | 97 |
| 102) | p-Diethylbenzene | 10.150 | 119 | 38627 | 1.939 | ug/L | | 90 |
| 103) | n-Butylbenzene | 10.182 | 91 | 55555 | 2.091 | ug/L | # | 95 |
| 104) | 1,2-Dichlorobenzene | 10.260 | 146 | 37767 | 2.148 | ug/L | | 97 |
| 105) | 1,2,4,5-Tetramethylben... | 10.601 | 119 | 54501 | 1.884 | ug/L | | 96 |
| 106) | 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 2038 | 2.009 | ug/L | | 88 |
| 107) | 1,3,5-Trichlorobenzene | 10.732 | 180 | 30765 | 2.143 | ug/L | | 95 |
| 108) | Hexachlorobutadiene | 11.078 | 225 | 13212 | 2.221 | ug/L | | 95 |
| 109) | 1,2,4-Trichlorobenzene | 11.089 | 180 | 28319 | 2.246 | ug/L | | 96 |
| 110) | Naphthalene | 11.267 | 128 | 44212 | 1.967 | ug/L | | 100 |
| 111) | 1,2,3-Trichlorobenzene | 11.372 | 180 | 25769 | 2.228 | ug/L | | 97 |

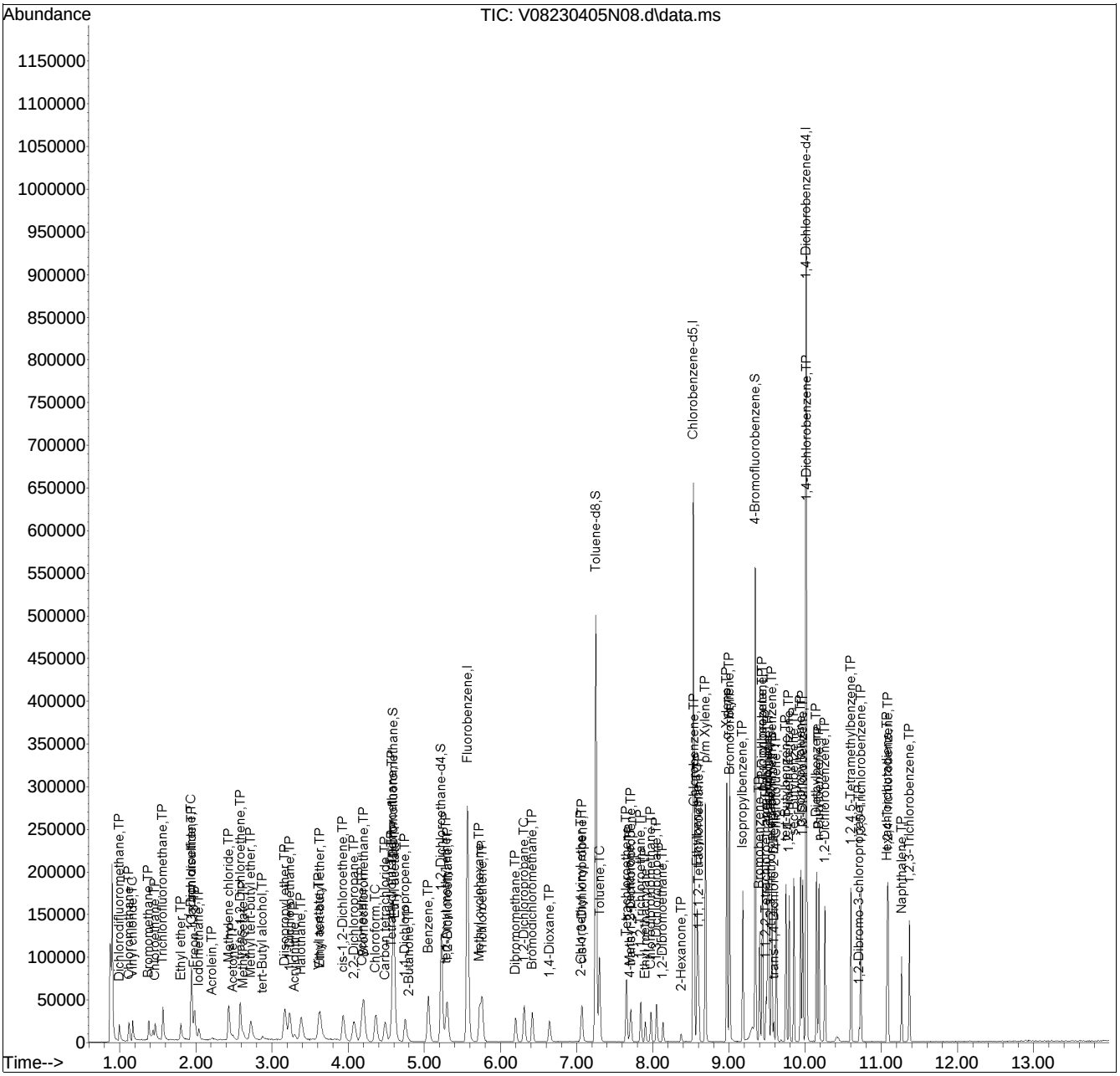
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N08.d
Acq On : 5 Apr 2023 11:34 pm
Operator : VOA108:PID
Sample : I8260STD2PPB
Misc : WG1763595,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 06 12:18:03 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

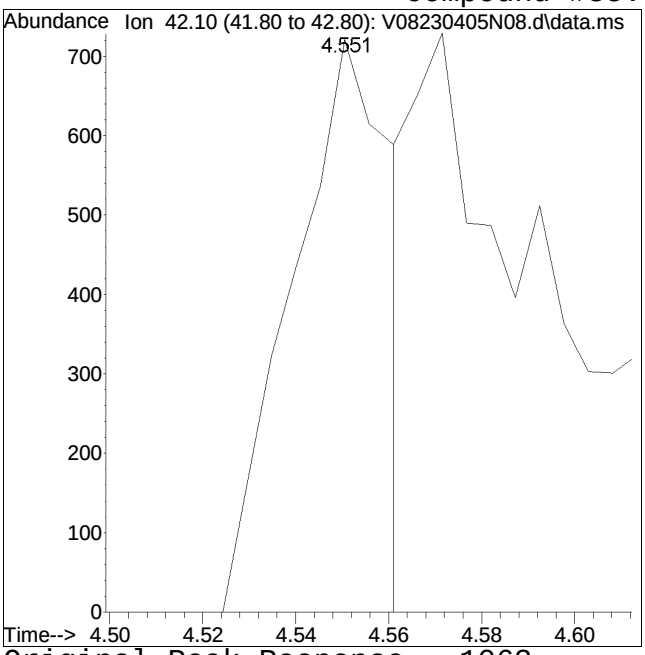


Manual Integration Report

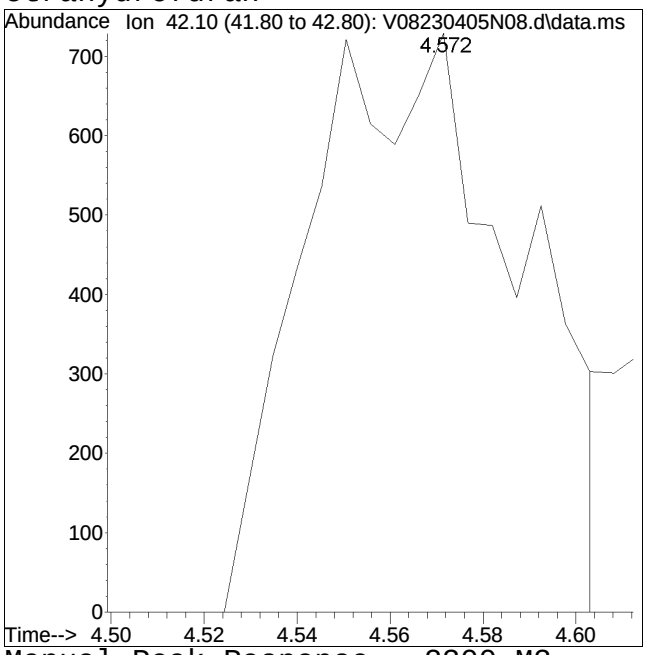
Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N08.d
Date Inj'd : 4/5/2023 11:34 pm
Sample : I8260STD2PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:18 pm

Compound #35: Tetrahydrofuran




Original Peak Response = 1063




Manual Peak Response = 2300 M3

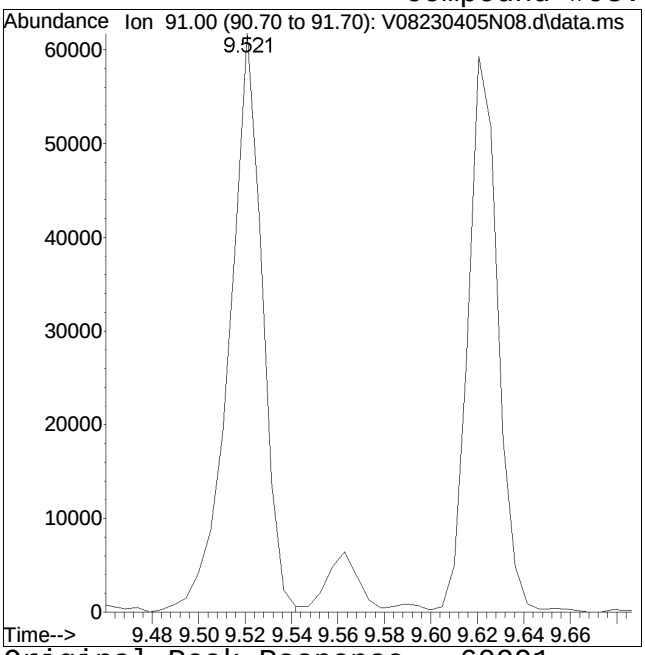
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

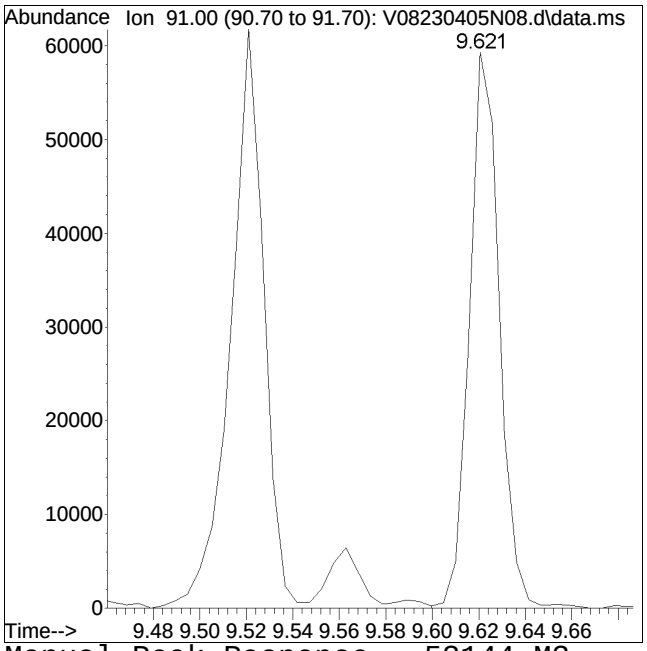
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N08.d
Date Inj'd : 4/5/2023 11:34 pm
Sample : I8260STD2PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:18 pm

Compound #93: 4-Chlorotoluene




Original Peak Response = 60991 Manual Peak Response = 53144 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N09.d
Acq On : 5 Apr 2023 11:55 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 12:18:12 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 306396 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 100.00% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 274259 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 172075 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 100.00% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.593 | 113 | 113731 | 10.198 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.98% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 101934 | 10.071 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.71% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 319295 | 9.994 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.94% | | | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 123960 | 9.674 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.74% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 71374 | 11.021 | ug/L | 99 |
| 3) Chloromethane | 1.122 | 50 | 94014 | 10.934 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 83495 | 10.882 | ug/L | 96 |
| 5) Bromomethane | 1.384 | 94 | 46995 | 9.043 | ug/L | 97 |
| 6) Chloroethane | 1.462 | 64 | 60895 | 10.152 | ug/L | 98 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 128616 | 10.894 | ug/L | 98 |
| 8) Ethyl ether | 1.803 | 74 | 29761 | 9.982 | ug/L | 76 |
| 10) 1,1-Dichloroethene | 1.940 | 96 | 75578 | 10.446 | ug/L # | 64 |
| 11) Carbon disulfide | 1.945 | 76 | 228328 | 10.348 | ug/L | 96 |
| 12) Freon-113 | 1.982 | 101 | 81808 | 11.015 | ug/L | 89 |
| 13) Iodomethane | 2.039 | 142 | 70004 | 8.973 | ug/L | 84 |
| 14) Acrolein | 2.217 | 56 | 8793 | 10.324 | ug/L | 92 |
| 15) Methylene chloride | 2.432 | 84 | 83002 | 10.028 | ug/L | 74 |
| 17) Acetone | 2.485 | 43 | 15338 | 8.238 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 85635 | 10.351 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 34081 | 9.398 | ug/L # | 92 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 128728 | 9.401 | ug/L | 98 |
| 21) tert-Butyl alcohol | 2.883 | 59 | 19428 | 47.140 | ug/L # | 65 |
| 22) Diisopropyl ether | 3.172 | 45 | 211657 | 9.390 | ug/L # | 89 |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 151598 | 10.187 | ug/L | 98 |
| 24) Halothane | 3.387 | 117 | 70637 | 10.602 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N09.d
Acq On : 5 Apr 2023 11:55 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 12:18:12 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.303 | 53 | 18169 | 9.189 | ug/L | | 99 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 185267 | 9.217 | ug/L | | 95 |
| 27) Vinyl acetate | 3.617 | 43 | 106499 | 9.034 | ug/L | # | 96 |
| 28) cis-1,2-Dichloroethene | 3.932 | 96 | 89042 | 9.877 | ug/L | # | 69 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 96597 | 9.617 | ug/L | | 89 |
| 30) Bromochloromethane | 4.205 | 128 | 49530 | 10.231 | ug/L | # | 49 |
| 31) Cyclohexane | 4.189 | 56 | 115103 | 10.209 | ug/L | # | 63 |
| 32) Chloroform | 4.362 | 83 | 149212 | 10.045 | ug/L | | 97 |
| 33) Ethyl acetate | 4.608 | 43 | 36182 | 9.133 | ug/L | # | 93 |
| 34) Carbon tetrachloride | 4.482 | 117 | 112126 | 10.731 | ug/L | | 96 |
| 35) Tetrahydrofuran | 4.556 | 42 | 9585 | 8.769 | ug/L | # | 60 |
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 124032 | 10.416 | ug/L | # | 94 |
| 39) 2-Butanone | 4.781 | 43 | 18213 | 9.334 | ug/L | # | 59 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 85806 | 9.868 | ug/L | # | 89 |
| 41) Benzene | 5.054 | 78 | 274117 | 10.130 | ug/L | | 91 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 122033 | 8.720 | ug/L | | 94 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 102195 | 9.827 | ug/L | | 96 |
| 47) Methyl cyclohexane | 5.730 | 83 | 106434 | 9.806 | ug/L | # | 73 |
| 48) Trichloroethene | 5.762 | 95 | 82777 | 10.534 | ug/L | # | 86 |
| 50) Dibromomethane | 6.197 | 93 | 45455 | 10.022 | ug/L | | 90 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 74056 | 9.648 | ug/L | | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 27422 | 8.534 | ug/L | # | 83 |
| 54) Bromodichloromethane | 6.417 | 83 | 101203 | 9.771 | ug/L | # | 97 |
| 57) 1,4-Dioxane | 6.643 | 88 | 19929 | 473.375 | ug/L | # | 75 |
| 58) cis-1,3-Dichloropropene | 7.073 | 75 | 91926 | 8.849 | ug/L | | 93 |
| 61) Toluene | 7.298 | 92 | 181441 | 9.838 | ug/L | | 97 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 12876 | 9.000 | ug/L | # | 96 |
| 63) Tetrachloroethene | 7.654 | 166 | 90582 | 9.982 | ug/L | | 87 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 72676 | 8.550 | ug/L | | 98 |
| 67) Ethyl methacrylate | 7.901 | 69 | 46658 | 8.797 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.838 | 83 | 44869 | 9.588 | ug/L | | 91 |
| 69) Chlorodibromomethane | 7.974 | 129 | 72137 | 9.195 | ug/L | | 95 |
| 70) 1,3-Dichloropropane | 8.048 | 76 | 90938 | 9.393 | ug/L | | 99 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 57410 | 9.428 | ug/L | | 99 |
| 72) 2-Hexanone | 8.368 | 43 | 23192 | 9.037 | ug/L | | 95 |
| 73) Chlorobenzene | 8.546 | 112 | 224717 | 9.661 | ug/L | # | 84 |
| 74) Ethylbenzene | 8.583 | 91 | 340372 | 9.822 | ug/L | | 96 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 75523 | 9.228 | ug/L | | 97 |
| 76) p/m Xylene | 8.693 | 106 | 294465 | 20.434 | ug/L | | 90 |
| 77) o Xylene | 8.970 | 106 | 286048 | 20.398 | ug/L | | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N09.d
Acq On : 5 Apr 2023 11:55 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 12:18:12 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.007 | 104 | 493113 | 21.323 | ug/L | # | 81 |
| 80) Bromoform | 9.012 | 173 | 38087 | 8.240 | ug/L | | 93 |
| 82) Isopropylbenzene | 9.180 | 105 | 361109 | 9.504 | ug/L | | 92 |
| 84) Bromobenzene | 9.400 | 156 | 104086 | 9.051 | ug/L | | 98 |
| 85) n-Propylbenzene | 9.437 | 91 | 436980 | 9.727 | ug/L | # | 91 |
| 86) 1,4-Dichlorobutane | 9.437 | 55 | 83985 | 8.928 | ug/L | | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 60902 | 8.832 | ug/L | | 99 |
| 88) 4-Ethyltoluene | 9.511 | 105 | 371754 | 9.454 | ug/L | | 91 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 307122 | 9.537 | ug/L | # | 85 |
| 90) 1,3,5-Trimethylbenzene | 9.563 | 105 | 307611 | 9.443 | ug/L | # | 85 |
| 91) 1,2,3-Trichloropropane | 9.552 | 75 | 47946 | 9.030 | ug/L | | 95 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 15862 | 8.463 | ug/L | | 91 |
| 93) 4-Chlorotoluene | 9.621 | 91 | 273973M3 | 9.491 | ug/L | | |
| 94) tert-Butylbenzene | 9.746 | 119 | 285557 | 9.409 | ug/L | | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.788 | 105 | 293629 | 9.206 | ug/L | # | 86 |
| 98) sec-Butylbenzene | 9.851 | 105 | 415058 | 9.990 | ug/L | | 92 |
| 99) p-Isopropyltoluene | 9.940 | 119 | 364745 | 9.532 | ug/L | | 92 |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 217942 | 9.352 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 217448 | 9.312 | ug/L | | 96 |
| 102) p-Diethylbenzene | 10.150 | 119 | 216049 | 8.986 | ug/L | | 90 |
| 103) n-Butylbenzene | 10.182 | 91 | 308475 | 9.621 | ug/L | # | 95 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 199120 | 9.383 | ug/L | | 95 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 294691 | 8.442 | ug/L | | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 10012 | 8.176 | ug/L | | 83 |
| 107) 1,3,5-Trichlorobenzene | 10.732 | 180 | 155630 | 8.982 | ug/L | # | 92 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 65767 | 9.158 | ug/L | | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 132630 | 8.717 | ug/L | | 98 |
| 110) Naphthalene | 11.267 | 128 | 228763 | 8.431 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 127912 | 9.162 | ug/L | | 98 |

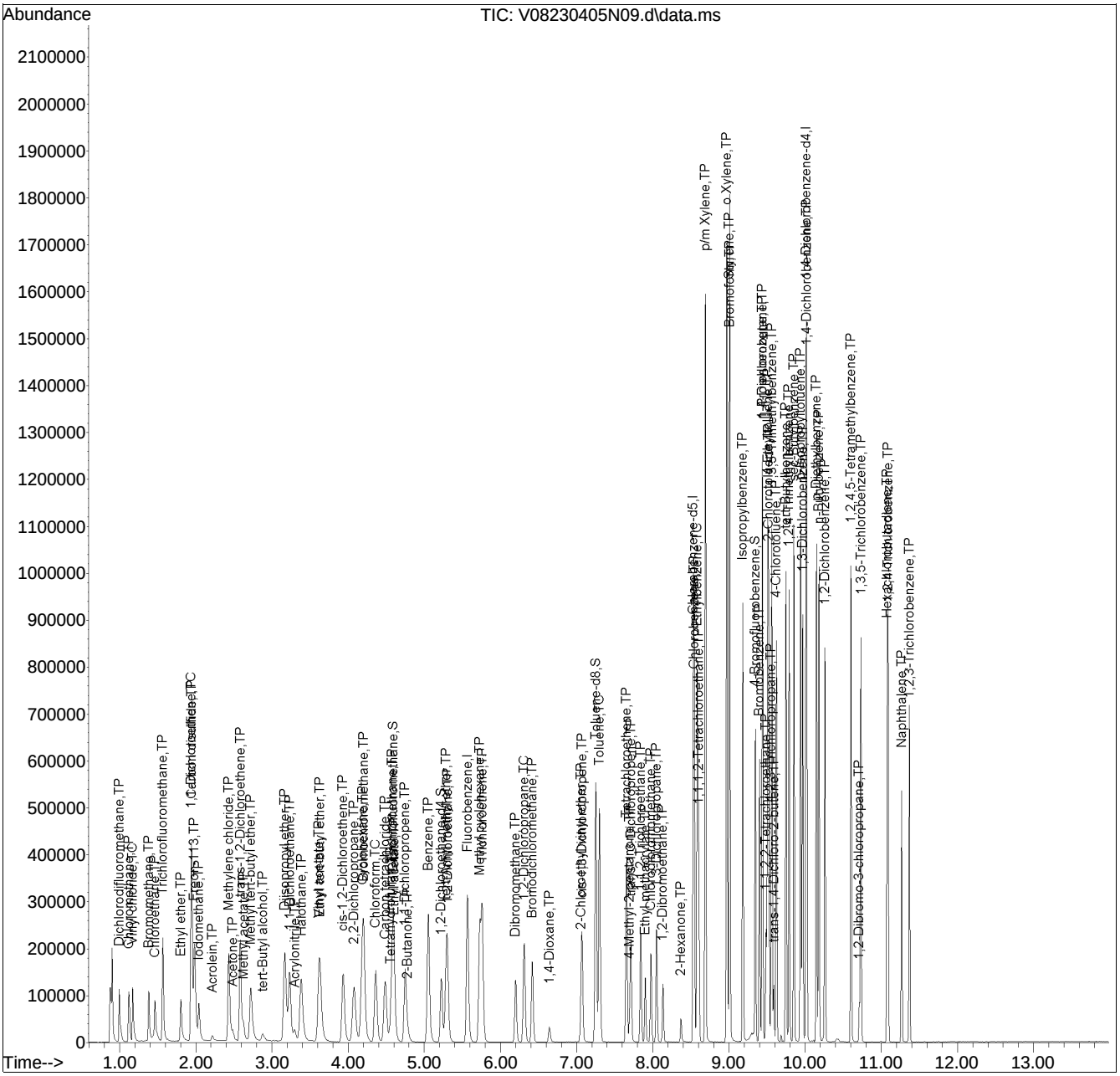
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N09.d
Acq On : 5 Apr 2023 11:55 pm
Operator : VOA108:PID
Sample : I8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 06 12:18:12 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

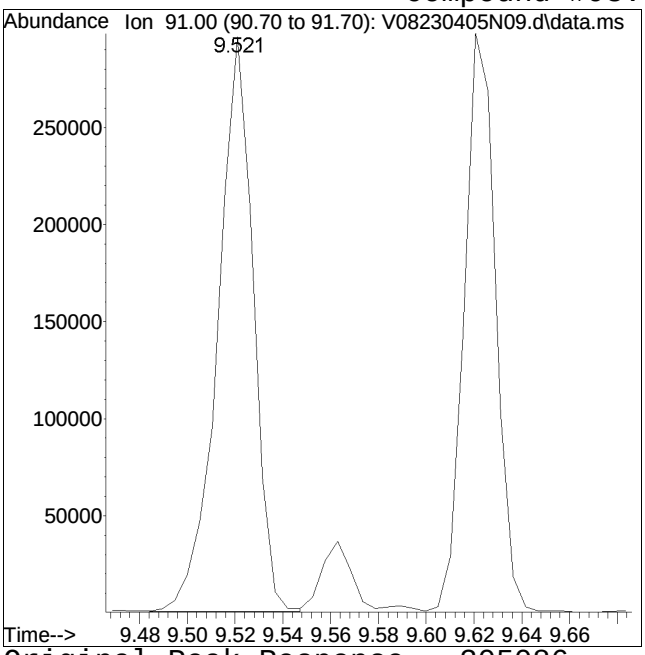


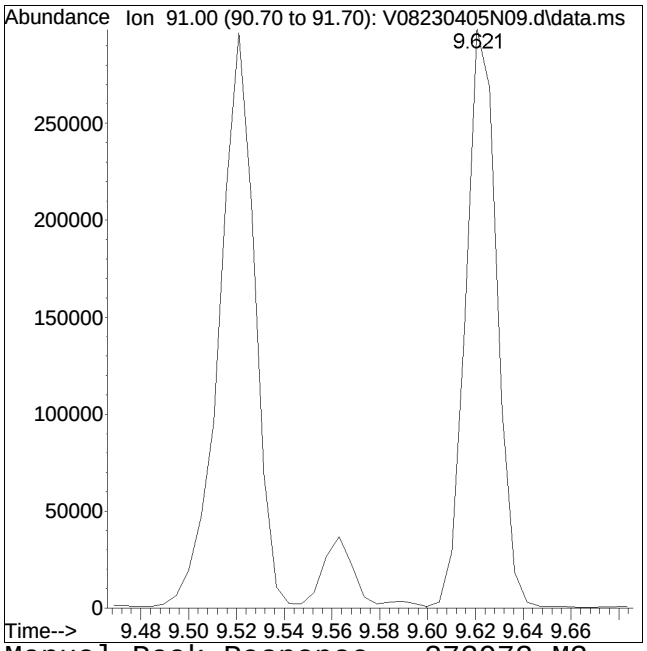
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N09.d
Date Inj'd : 4/5/2023 11:55 pm
Sample : I8260STD10PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:18 pm

Compound #93: 4-Chlorotoluene




Original Peak Response = 305086 Manual Peak Response = 273973 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N10.d
Acq On : 6 Apr 2023 12:16 am
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1763595,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 12:18:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 330995 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 108.03% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 290773 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 106.02% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 173974 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 101.10% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 113355 | 9.409 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.09% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 105538 | 9.652 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.52% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 342046 | 10.098 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.98% | | | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 126513 | 9.766 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.66% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 205269 | 29.341 | ug/L | 100 |
| 3) Chloromethane | 1.122 | 50 | 264246 | 28.450 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 246765 | 29.770 | ug/L | 96 |
| 5) Bromomethane | 1.384 | 94 | 148006 | 26.363 | ug/L | 98 |
| 6) Chloroethane | 1.462 | 64 | 176827 | 27.289 | ug/L | 97 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 373313 | 29.271 | ug/L | 97 |
| 8) Ethyl ether | 1.803 | 74 | 94592 | 29.368 | ug/L | 76 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 220694 | 28.237 | ug/L # | 64 |
| 11) Carbon disulfide | 1.945 | 76 | 684050 | 28.698 | ug/L | 96 |
| 12) Freon-113 | 1.981 | 101 | 238418 | 29.716 | ug/L | 91 |
| 13) Iodomethane | 2.044 | 142 | 261625 | 31.042 | ug/L | 85 |
| 14) Acrolein | 2.217 | 56 | 26400 | 28.694 | ug/L | 92 |
| 15) Methylene chloride | 2.432 | 84 | 242319 | 27.102 | ug/L | 75 |
| 17) Acetone | 2.490 | 43 | 44950 | 22.348 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 250168 | 27.992 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 105311 | 26.881 | ug/L # | 90 |
| 20) Methyl tert-butyl ether | 2.726 | 73 | 433531 | 29.307 | ug/L | 98 |
| 21) tert-Butyl alcohol | 2.878 | 59 | 63471 | 142.561 | ug/L # | 63 |
| 22) Diisopropyl ether | 3.166 | 45 | 686787 | 28.204 | ug/L # | 88 |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 443986 | 27.617 | ug/L | 99 |
| 24) Halothane | 3.387 | 117 | 206764 | 28.727 | ug/L | 96 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N10.d
Acq On : 6 Apr 2023 12:16 am
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1763595,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 12:18:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.297 | 53 | 57344 | 26.846 | ug/L | | 95 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 640254 | 29.484 | ug/L | | 94 |
| 27) Vinyl acetate | 3.617 | 43 | 399065 | 31.335 | ug/L | # | 94 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 275377 | 28.275 | ug/L | # | 68 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 308075 | 28.391 | ug/L | | 93 |
| 30) Bromochloromethane | 4.204 | 128 | 149389 | 28.566 | ug/L | # | 47 |
| 31) Cyclohexane | 4.184 | 56 | 365180 | 29.984 | ug/L | # | 65 |
| 32) Chloroform | 4.362 | 83 | 446664 | 27.834 | ug/L | | 97 |
| 33) Ethyl acetate | 4.608 | 43 | 119820 | 27.996 | ug/L | # | 94 |
| 34) Carbon tetrachloride | 4.488 | 117 | 344070 | 30.481 | ug/L | | 96 |
| 35) Tetrahydrofuran | 4.551 | 42 | 31390 | 26.584 | ug/L | # | 52 |
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 371015 | 28.841 | ug/L | # | 94 |
| 39) 2-Butanone | 4.792 | 43 | 60098 | 28.510 | ug/L | # | 70 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 283477 | 30.177 | ug/L | | 91 |
| 41) Benzene | 5.054 | 78 | 890708 | 30.471 | ug/L | | 91 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 439225 | 29.053 | ug/L | | 98 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 315124 | 28.049 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.730 | 83 | 351437 | 29.972 | ug/L | # | 72 |
| 48) Trichloroethene | 5.762 | 95 | 269837 | 31.786 | ug/L | # | 87 |
| 50) Dibromomethane | 6.197 | 93 | 140768 | 28.730 | ug/L | | 90 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 241063 | 29.071 | ug/L | | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 100219 | 28.872 | ug/L | # | 85 |
| 54) Bromodichloromethane | 6.417 | 83 | 318591 | 28.474 | ug/L | # | 98 |
| 57) 1,4-Dioxane | 6.642 | 88 | 25776 | 566.757 | ug/L | # | 72 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 331783 | 29.563 | ug/L | | 93 |
| 61) Toluene | 7.303 | 92 | 566930 | 28.994 | ug/L | | 99 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 45061 | 29.707 | ug/L | # | 95 |
| 63) Tetrachloroethene | 7.654 | 166 | 277845 | 28.880 | ug/L | | 87 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 270278 | 29.991 | ug/L | | 96 |
| 67) Ethyl methacrylate | 7.901 | 69 | 166692 | 29.644 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 147706 | 29.770 | ug/L | | 92 |
| 69) Chlorodibromomethane | 7.974 | 129 | 243763 | 29.306 | ug/L | | 96 |
| 70) 1,3-Dichloropropane | 8.053 | 76 | 302227 | 29.446 | ug/L | | 99 |
| 71) 1,2-Dibromoethane | 8.137 | 107 | 193210 | 29.927 | ug/L | | 98 |
| 72) 2-Hexanone | 8.367 | 43 | 75262 | 27.662 | ug/L | | 96 |
| 73) Chlorobenzene | 8.546 | 112 | 695837 | 28.217 | ug/L | # | 84 |
| 74) Ethylbenzene | 8.582 | 91 | 1108796 | 30.180 | ug/L | | 96 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 255240 | 29.417 | ug/L | | 96 |
| 76) p/m Xylene | 8.693 | 106 | 928467 | 60.769 | ug/L | | 89 |
| 77) o Xylene | 8.970 | 106 | 901630 | 60.642 | ug/L | | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N10.d
Acq On : 6 Apr 2023 12:16 am
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1763595,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 12:18:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.007 | 104 | 1530307 | 62.414 | ug/L | # | 83 |
| 80) Bromoform | 9.012 | 173 | 131918 | 28.228 | ug/L | | 96 |
| 82) Isopropylbenzene | 9.180 | 105 | 1139822 | 29.672 | ug/L | | 92 |
| 84) Bromobenzene | 9.400 | 156 | 318888 | 27.425 | ug/L | | 98 |
| 85) n-Propylbenzene | 9.437 | 91 | 1355176 | 29.836 | ug/L | # | 90 |
| 86) 1,4-Dichlorobutane | 9.442 | 55 | 262955 | 27.650 | ug/L | | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 194824 | 27.944 | ug/L | | 98 |
| 88) 4-Ethyltoluene | 9.510 | 105 | 1191158 | 29.961 | ug/L | | 92 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 937625 | 28.800 | ug/L | # | 84 |
| 90) 1,3,5-Trimethylbenzene | 9.563 | 105 | 975532 | 29.620 | ug/L | # | 83 |
| 91) 1,2,3-Trichloropropane | 9.558 | 75 | 148261 | 27.618 | ug/L | | 93 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 51960 | 27.419 | ug/L | | 94 |
| 93) 4-Chlorotoluene | 9.621 | 91 | 840410M3 | 28.794 | ug/L | | |
| 94) tert-Butylbenzene | 9.746 | 119 | 919200 | 29.956 | ug/L | | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.788 | 105 | 968315 | 30.028 | ug/L | # | 86 |
| 98) sec-Butylbenzene | 9.851 | 105 | 1286628 | 30.631 | ug/L | | 92 |
| 99) p-Isopropyltoluene | 9.940 | 119 | 1192506 | 30.824 | ug/L | | 92 |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 662482 | 28.116 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 660947 | 27.995 | ug/L | | 96 |
| 102) p-Diethylbenzene | 10.150 | 119 | 716343 | 29.470 | ug/L | | 90 |
| 103) n-Butylbenzene | 10.182 | 91 | 962547 | 29.693 | ug/L | # | 96 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 608238 | 28.347 | ug/L | | 95 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 1049316 | 29.730 | ug/L | | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 35486 | 28.663 | ug/L | | 95 |
| 107) 1,3,5-Trichlorobenzene | 10.732 | 180 | 486123 | 27.748 | ug/L | # | 93 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 202839 | 27.938 | ug/L | | 96 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 422911 | 27.492 | ug/L | | 99 |
| 110) Naphthalene | 11.267 | 128 | 797792 | 29.081 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 397246 | 28.143 | ug/L | | 100 |

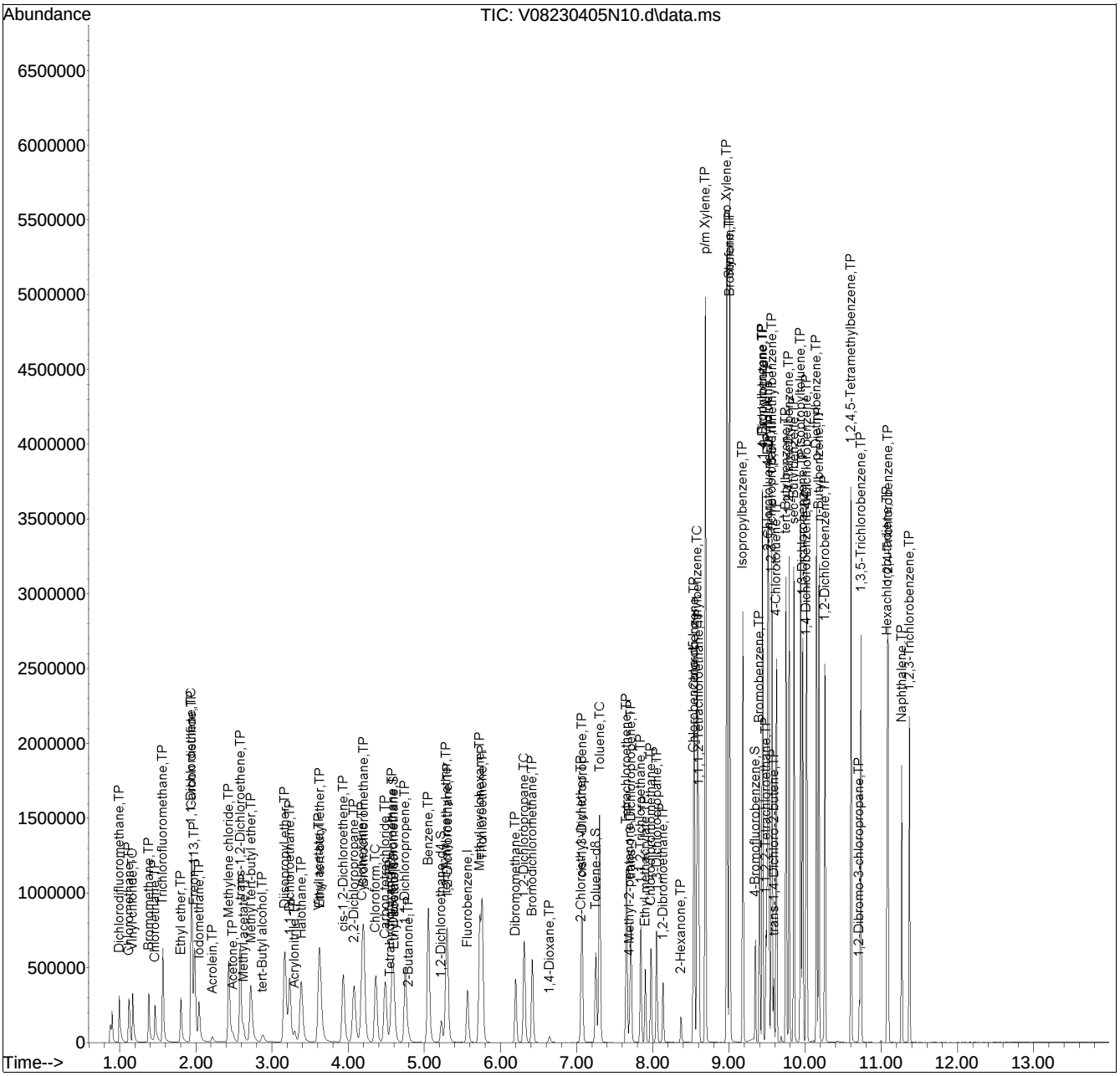
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N10.d
Acq On : 6 Apr 2023 12:16 am
Operator : VOA108:PID
Sample : I8260STD30PPB
Misc : WG1763595,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 06 12:18:22 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

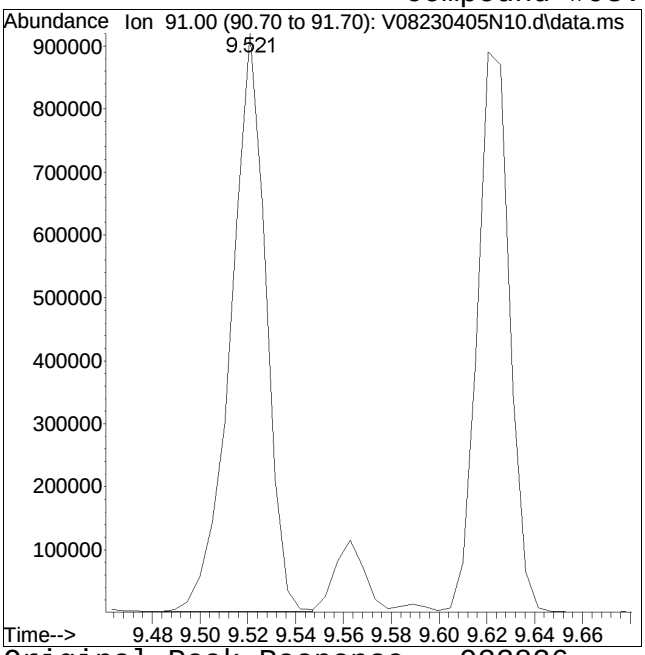


# Manual Integration Report

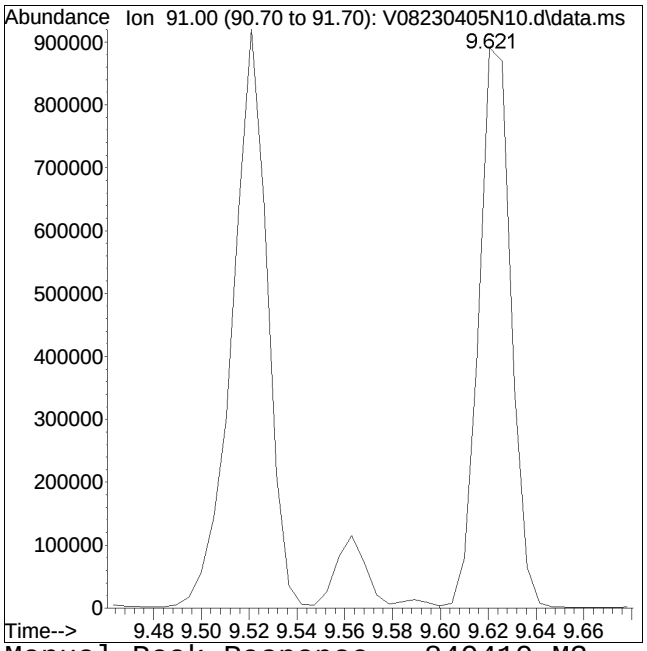
Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N10.d
Date Inj'd : 4/6/2023 12:16 am
Sample : I8260STD30PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:18 pm

## Compound #93: 4-Chlorotoluene




Original Peak Response = 933826




Manual Peak Response = 840410 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N11.d
Acq On : 6 Apr 2023 12:37 am
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1763595,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 12:18:32 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 345638 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 112.81% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 306535 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 111.77% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 177519 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 103.16% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 115813 | 9.206 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 92.06% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 106860 | 9.359 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 93.59% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 356936 | 9.996 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.96% | | | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 129139 | 9.769 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.69% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 578562 | 79.195 | ug/L | 99 |
| 3) Chloromethane | 1.122 | 50 | 722118 | 74.452 | ug/L | 100 |
| 4) Vinyl chloride | 1.174 | 62 | 696338 | 80.449 | ug/L | 96 |
| 5) Bromomethane | 1.384 | 94 | 469532 | 80.089 | ug/L | 99 |
| 6) Chloroethane | 1.462 | 64 | 504225 | 74.517 | ug/L | 99 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 1066098 | 80.050 | ug/L | 97 |
| 8) Ethyl ether | 1.803 | 74 | 287246 | 85.403 | ug/L | 73 |
| 10) 1,1-Dichloroethene | 1.940 | 96 | 632895 | 77.547 | ug/L # | 63 |
| 11) Carbon disulfide | 1.950 | 76 | 1949845 | 78.337 | ug/L | 96 |
| 12) Freon-113 | 1.981 | 101 | 673594 | 80.398 | ug/L | 89 |
| 13) Iodomethane | 2.044 | 142 | 877089 | 99.659 | ug/L | 85 |
| 14) Acrolein | 2.217 | 56 | 73989 | 77.011 | ug/L | 93 |
| 15) Methylene chloride | 2.432 | 84 | 692806 | 74.203 | ug/L | 74 |
| 17) Acetone | 2.485 | 43 | 136510 | 64.993 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 715516 | 76.670 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 308952 | 75.521 | ug/L # | 90 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 1347486 | 87.233 | ug/L | 98 |
| 21) tert-Butyl alcohol | 2.878 | 59 | 200182 | 430.578 | ug/L # | 65 |
| 22) Diisopropyl ether | 3.166 | 45 | 2104863 | 82.777 | ug/L # | 90 |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 1260411 | 75.079 | ug/L | 99 |
| 24) Halothane | 3.387 | 117 | 584370 | 77.752 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N11.d
Acq On : 6 Apr 2023 12:37 am
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1763595,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 12:18:32 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.297 | 53 | 162172 | 72.707 | ug/L | | 97 |
| 26) Ethyl tert-butyl ether | 3.623 | 59 | 2004325 | 88.389 | ug/L | | 94 |
| 27) Vinyl acetate | 3.617 | 43 | 1106801 | 83.224 | ug/L | # | 95 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 785352 | 77.222 | ug/L | # | 70 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 934770 | 82.497 | ug/L | | 96 |
| 30) Bromochloromethane | 4.210 | 128 | 418064 | 76.555 | ug/L | # | 51 |
| 31) Cyclohexane | 4.189 | 56 | 1137186 | 89.415 | ug/L | # | 71 |
| 32) Chloroform | 4.362 | 83 | 1268196 | 75.680 | ug/L | | 97 |
| 33) Ethyl acetate | 4.608 | 43 | 371868 | 83.206 | ug/L | # | 94 |
| 34) Carbon tetrachloride | 4.488 | 117 | 1007872 | 85.505 | ug/L | | 96 |
| 35) Tetrahydrofuran | 4.556 | 42 | 99224 | 80.471 | ug/L | # | 57 |
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 1070918 | 79.722 | ug/L | # | 95 |
| 39) 2-Butanone | 4.787 | 43 | 184210 | 83.685 | ug/L | # | 69 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 846063 | 86.250 | ug/L | | 91 |
| 41) Benzene | 5.054 | 78 | 2642534 | 86.570 | ug/L | | 91 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 1461343 | 92.566 | ug/L | | 97 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 907385 | 77.345 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.730 | 83 | 1098700 | 89.733 | ug/L | # | 71 |
| 48) Trichloroethene | 5.762 | 95 | 799234 | 90.159 | ug/L | # | 87 |
| 50) Dibromomethane | 6.202 | 93 | 412460 | 80.614 | ug/L | # | 89 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 711474 | 82.166 | ug/L | | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.062 | 63 | 333246 | 91.936 | ug/L | # | 85 |
| 54) Bromodichloromethane | 6.417 | 83 | 967903 | 82.840 | ug/L | # | 97 |
| 57) 1,4-Dioxane | 6.648 | 88 | 40016 | 842.587 | ug/L | # | 75 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 1060193 | 90.466 | ug/L | | 92 |
| 61) Toluene | 7.303 | 92 | 1691932 | 82.081 | ug/L | | 98 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 147442 | 92.204 | ug/L | # | 93 |
| 63) Tetrachloroethene | 7.654 | 166 | 821847 | 81.033 | ug/L | | 86 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 899323 | 94.662 | ug/L | | 94 |
| 67) Ethyl methacrylate | 7.901 | 69 | 541309 | 91.315 | ug/L | | 99 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 445641 | 85.201 | ug/L | | 92 |
| 69) Chlorodibromomethane | 7.974 | 129 | 770310 | 87.848 | ug/L | | 96 |
| 70) 1,3-Dichloropropane | 8.053 | 76 | 923684 | 85.366 | ug/L | | 99 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 574252 | 84.374 | ug/L | | 98 |
| 72) 2-Hexanone | 8.367 | 43 | 240096 | 83.708 | ug/L | | 95 |
| 73) Chlorobenzene | 8.546 | 112 | 2097721 | 80.691 | ug/L | # | 83 |
| 74) Ethylbenzene | 8.582 | 91 | 3270740 | 84.447 | ug/L | | 96 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 812159 | 88.789 | ug/L | | 96 |
| 76) p/m Xylene | 8.693 | 106 | 2734342 | 169.764 | ug/L | | 86 |
| 77) o Xylene | 8.976 | 106 | 2642813 | 168.612 | ug/L | | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N11.d
Acq On : 6 Apr 2023 12:37 am
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1763595,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 12:18:32 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 78) | Styrene | 9.007 | 104 | 4458030 | 172.474 | ug/L | # | 83 |
| 80) | Bromoform | 9.012 | 173 | 432466 | 90.692 | ug/L | | 96 |
| 82) | Isopropylbenzene | 9.180 | 105 | 3388577 | 86.450 | ug/L | | 92 |
| 84) | Bromobenzene | 9.400 | 156 | 932622 | 78.607 | ug/L | | 97 |
| 85) | n-Propylbenzene | 9.437 | 91 | 3953736 | 85.309 | ug/L | # | 90 |
| 86) | 1,4-Dichlorobutane | 9.442 | 55 | 790306 | 81.441 | ug/L | | 97 |
| 87) | 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 570061 | 80.134 | ug/L | | 99 |
| 88) | 4-Ethyltoluene | 9.510 | 105 | 3524629 | 86.885 | ug/L | | 91 |
| 89) | 2-Chlorotoluene | 9.521 | 91 | 2713015 | 81.667 | ug/L | # | 85 |
| 90) | 1,3,5-Trimethylbenzene | 9.563 | 105 | 2958414 | 88.032 | ug/L | # | 83 |
| 91) | 1,2,3-Trichloropropane | 9.558 | 75 | 448119 | 81.808 | ug/L | | 93 |
| 92) | trans-1,4-Dichloro-2-b... | 9.589 | 53 | 163822 | 84.720 | ug/L | | 88 |
| 93) | 4-Chlorotoluene | 9.626 | 91 | 2457482M3 | 82.518 | ug/L | | |
| 94) | tert-Butylbenzene | 9.746 | 119 | 2705248 | 86.402 | ug/L | | 93 |
| 97) | 1,2,4-Trimethylbenzene | 9.788 | 105 | 2932391 | 89.119 | ug/L | # | 86 |
| 98) | sec-Butylbenzene | 9.851 | 105 | 3759402 | 87.713 | ug/L | | 92 |
| 99) | p-Isopropyltoluene | 9.940 | 119 | 3581379 | 90.723 | ug/L | | 91 |
| 100) | 1,3-Dichlorobenzene | 9.967 | 146 | 1924209 | 80.034 | ug/L | | 96 |
| 101) | 1,4-Dichlorobenzene | 10.019 | 146 | 1914954 | 79.489 | ug/L | | 95 |
| 102) | p-Diethylbenzene | 10.150 | 119 | 2205537 | 88.923 | ug/L | | 89 |
| 103) | n-Butylbenzene | 10.182 | 91 | 2844645 | 86.000 | ug/L | # | 95 |
| 104) | 1,2-Dichlorobenzene | 10.260 | 146 | 1772979 | 80.981 | ug/L | | 95 |
| 105) | 1,2,4,5-Tetramethylben... | 10.601 | 119 | 3328772 | 92.431 | ug/L | | 93 |
| 106) | 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 105581 | 83.577 | ug/L | | 90 |
| 107) | 1,3,5-Trichlorobenzene | 10.732 | 180 | 1449177 | 81.068 | ug/L | # | 92 |
| 108) | Hexachlorobutadiene | 11.078 | 225 | 595009 | 80.316 | ug/L | | 95 |
| 109) | 1,2,4-Trichlorobenzene | 11.089 | 180 | 1258695 | 80.190 | ug/L | | 99 |
| 110) | Naphthalene | 11.267 | 128 | 2436070 | 87.027 | ug/L | | 100 |
| 111) | 1,2,3-Trichlorobenzene | 11.372 | 180 | 1164384 | 80.844 | ug/L | | 99 |

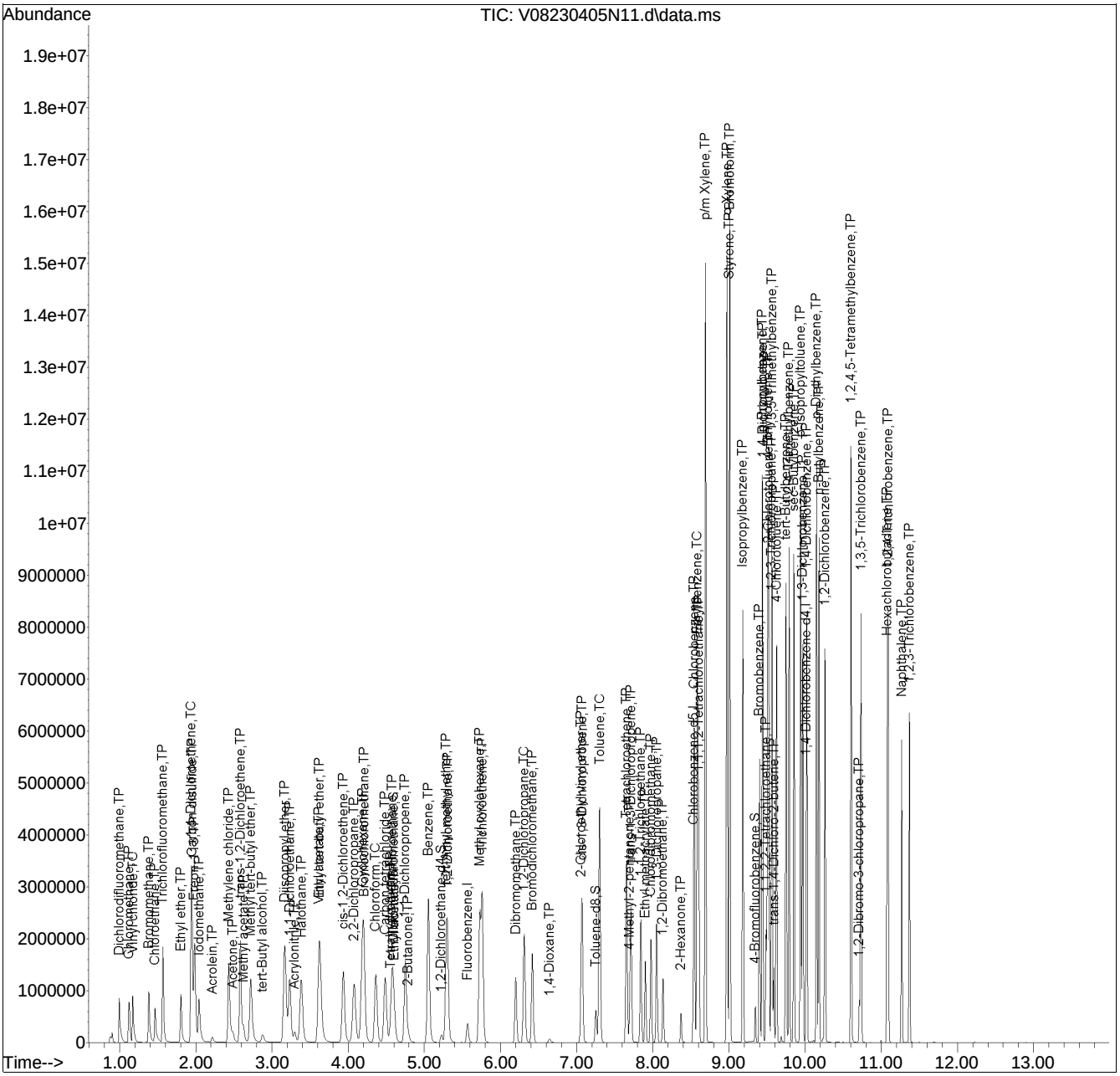
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N11.d
Acq On : 6 Apr 2023 12:37 am
Operator : VOA108:PID
Sample : I8260STD80PPB
Misc : WG1763595,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 06 12:18:32 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

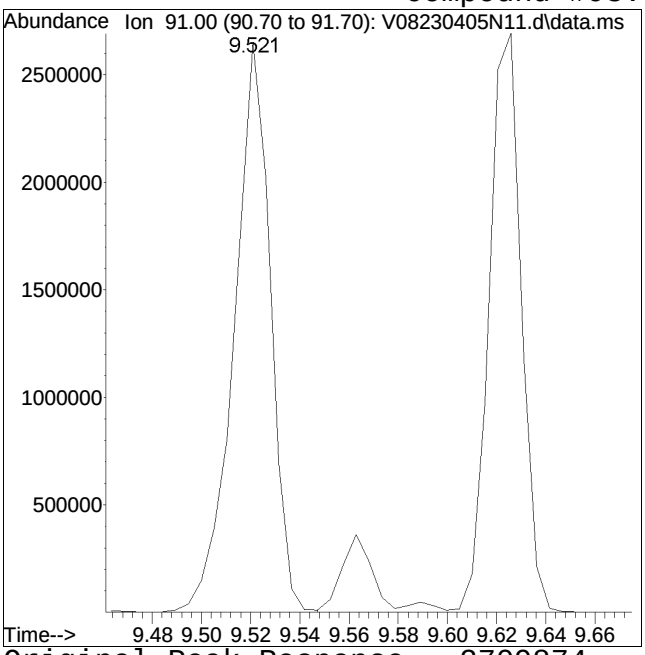
Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

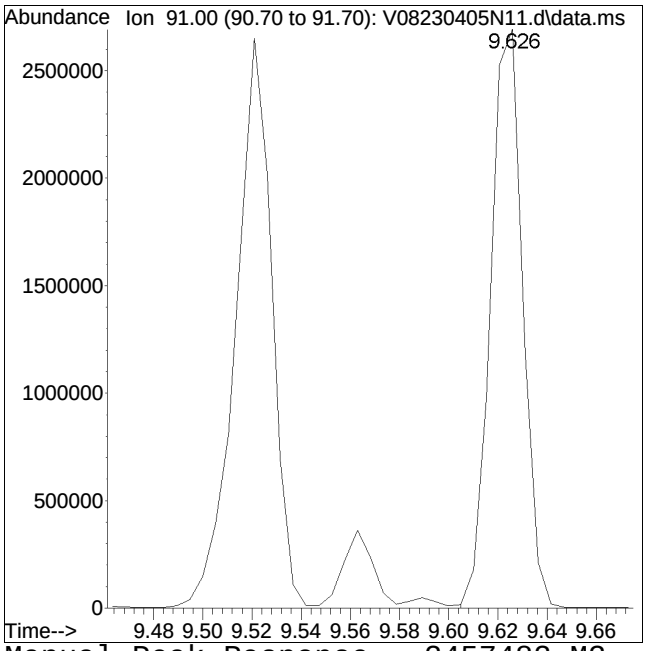


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230405N11.d Operator : VOA108:PID
Date Inj'd : 4/6/2023 12:37 am Instrument : VOA 108
Sample : I8260STD80PPB Quant Date : 4/6/2023 12:19 pm

Compound #93: 4-Chlorotoluene




Original Peak Response = 2709874 Manual Peak Response = 2457482 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N12.d
Acq On : 6 Apr 2023 12:57 am
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1763595,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 12:18:41 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 363445 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 118.62% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 312943 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 114.10% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 173399 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 100.77% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 116409 | 8.800 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 88.00% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 107525 | 8.955 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 89.55% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 368410 | 10.106 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.06% | | | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 129426 | 10.024 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.24% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 930848 | 121.174 | ug/L | 98 |
| 3) Chloromethane | 1.122 | 50 | 1098084 | 107.668 | ug/L | 99 |
| 4) Vinyl chloride | 1.169 | 62 | 1108513 | 121.794 | ug/L | 96 |
| 5) Bromomethane | 1.384 | 94 | 757950 | 122.951 | ug/L | 99 |
| 6) Chloroethane | 1.462 | 64 | 825252 | 115.985 | ug/L | 99 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 1720126 | 122.830 | ug/L | 97 |
| 8) Ethyl ether | 1.803 | 74 | 444336 | 125.636 | ug/L | 72 |
| 10) 1,1-Dichloroethene | 1.940 | 96 | 1015107 | 118.284 | ug/L # | 63 |
| 11) Carbon disulfide | 1.950 | 76 | 3093560 | 118.198 | ug/L | 96 |
| 12) Freon-113 | 1.982 | 101 | 1078341 | 122.402 | ug/L | 89 |
| 13) Iodomethane | 2.044 | 142 | 1441645 | 155.781 | ug/L | 84 |
| 14) Acrolein | 2.217 | 56 | 114933 | 113.765 | ug/L | 93 |
| 15) Methylene chloride | 2.432 | 84 | 1055826 | 107.543 | ug/L | 74 |
| 17) Acetone | 2.485 | 43 | 202302 | 91.598 | ug/L | 95 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 1131419 | 115.295 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 468880 | 108.999 | ug/L # | 89 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 2119389 | 130.481 | ug/L | 98 |
| 21) tert-Butyl alcohol | 2.878 | 59 | 311256 | 636.689 | ug/L # | 67 |
| 22) Diisopropyl ether | 3.166 | 45 | 3286915 | 122.930 | ug/L # | 91 |
| 23) 1,1-Dichloroethane | 3.235 | 63 | 1935824 | 109.662 | ug/L | 98 |
| 24) Halothane | 3.381 | 117 | 922848 | 116.771 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N12.d
Acq On : 6 Apr 2023 12:57 am
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1763595,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 12:18:41 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.303 | 53 | 244524 | 104.256 | ug/L | | 98 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 3057465 | 128.226 | ug/L | | 95 |
| 27) Vinyl acetate | 3.617 | 43 | 1794724 | 128.340 | ug/L | # | 93 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 1235702 | 115.550 | ug/L | # | 68 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 1450258 | 121.719 | ug/L | | 97 |
| 30) Bromochloromethane | 4.210 | 128 | 657424 | 114.487 | ug/L | # | 47 |
| 31) Cyclohexane | 4.189 | 56 | 1757402 | 131.411 | ug/L | # | 65 |
| 32) Chloroform | 4.362 | 83 | 1961561 | 111.321 | ug/L | | 97 |
| 33) Ethyl acetate | 4.608 | 43 | 577857 | 122.962 | ug/L | # | 93 |
| 34) Carbon tetrachloride | 4.488 | 117 | 1653829 | 133.431 | ug/L | | 97 |
| 35) Tetrahydrofuran | 4.551 | 42 | 158860 | 122.524 | ug/L | # | 58 |
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 1725399 | 122.151 | ug/L | # | 95 |
| 39) 2-Butanone | 4.787 | 43 | 275975 | 119.230 | ug/L | # | 74 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 1370138 | 132.832 | ug/L | | 90 |
| 41) Benzene | 5.054 | 78 | 4146463 | 129.184 | ug/L | | 90 |
| 42) tert-Amyl methyl ether | 5.285 | 73 | 2336334 | 140.740 | ug/L | | 96 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 1390213 | 112.695 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.730 | 83 | 1777363 | 138.048 | ug/L | # | 70 |
| 48) Trichloroethene | 5.762 | 95 | 1229439 | 131.894 | ug/L | # | 86 |
| 50) Dibromomethane | 6.197 | 93 | 632030 | 117.475 | ug/L | # | 87 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 1110485 | 121.963 | ug/L | | 96 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 529031 | 138.798 | ug/L | # | 84 |
| 54) Bromodichloromethane | 6.417 | 83 | 1513434 | 123.185 | ug/L | # | 98 |
| 57) 1,4-Dioxane | 6.643 | 88 | 58145 | 1164.330 | ug/L | # | 73 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 1674925 | 135.918 | ug/L | | 91 |
| 61) Toluene | 7.303 | 92 | 2663284 | 126.558 | ug/L | | 96 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 230712 | 141.323 | ug/L | # | 91 |
| 63) Tetrachloroethene | 7.654 | 166 | 1323362 | 127.810 | ug/L | | 86 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 1409699 | 145.346 | ug/L | | 94 |
| 67) Ethyl methacrylate | 7.901 | 69 | 844774 | 139.589 | ug/L | | 99 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 680715 | 127.479 | ug/L | | 92 |
| 69) Chlorodibromomethane | 7.974 | 129 | 1220284 | 136.315 | ug/L | | 96 |
| 70) 1,3-Dichloropropane | 8.053 | 76 | 1418841 | 128.443 | ug/L | | 99 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 895752 | 128.916 | ug/L | | 99 |
| 72) 2-Hexanone | 8.368 | 43 | 367429 | 125.479 | ug/L | | 93 |
| 73) Chlorobenzene | 8.546 | 112 | 3281079 | 123.625 | ug/L | # | 83 |
| 74) Ethylbenzene | 8.588 | 91 | 5093770 | 128.822 | ug/L | | 95 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 1276646 | 136.711 | ug/L | | 96 |
| 76) p/m Xylene | 8.693 | 106 | 4256396 | 258.851 | ug/L | | 83 |
| 77) o Xylene | 8.976 | 106 | 4108400 | 256.749 | ug/L | | 78 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N12.d
Acq On : 6 Apr 2023 12:57 am
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1763595,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 12:18:41 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.012 | 104 | 6707109 | 254.173 | ug/L | # | 84 |
| 80) Bromoform | 9.012 | 173 | 681154 | 146.239 | ug/L | | 96 |
| 82) Isopropylbenzene | 9.180 | 105 | 5268669 | 137.608 | ug/L | | 91 |
| 84) Bromobenzene | 9.400 | 156 | 1448522 | 124.991 | ug/L | | 98 |
| 85) n-Propylbenzene | 9.442 | 91 | 6068849 | 134.057 | ug/L | # | 88 |
| 86) 1,4-Dichlorobutane | 9.442 | 55 | 1206480 | 127.282 | ug/L | | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.490 | 83 | 888945 | 127.928 | ug/L | | 99 |
| 88) 4-Ethyltoluene | 9.511 | 105 | 5442002 | 137.338 | ug/L | | 91 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 4169199 | 128.483 | ug/L | # | 84 |
| 90) 1,3,5-Trimethylbenzene | 9.563 | 105 | 4574611 | 139.358 | ug/L | # | 83 |
| 91) 1,2,3-Trichloropropane | 9.558 | 75 | 679517 | 126.999 | ug/L | | 92 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 249630 | 132.163 | ug/L | # | 83 |
| 93) 4-Chlorotoluene | 9.626 | 91 | 3781443M3 | 129.991 | ug/L | | |
| 94) tert-Butylbenzene | 9.746 | 119 | 4220304 | 137.993 | ug/L | | 92 |
| 97) 1,2,4-Trimethylbenzene | 9.794 | 105 | 4547356 | 141.484 | ug/L | # | 86 |
| 98) sec-Butylbenzene | 9.851 | 105 | 5784297 | 138.164 | ug/L | | 91 |
| 99) p-Isopropyltoluene | 9.940 | 119 | 5505170 | 142.770 | ug/L | | 91 |
| 100) 1,3-Dichlorobenzene | 9.972 | 146 | 2908669 | 123.855 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.024 | 146 | 2937094 | 124.814 | ug/L | | 96 |
| 102) p-Diethylbenzene | 10.150 | 119 | 3442111 | 142.076 | ug/L | | 89 |
| 103) n-Butylbenzene | 10.182 | 91 | 4403812 | 136.301 | ug/L | # | 95 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 2695851 | 126.059 | ug/L | | 95 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 5291235 | 150.414 | ug/L | | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 164911 | 133.644 | ug/L | | 91 |
| 107) 1,3,5-Trichlorobenzene | 10.732 | 180 | 2296638 | 131.529 | ug/L | # | 92 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 950937 | 131.411 | ug/L | | 95 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 1997982 | 130.313 | ug/L | | 99 |
| 110) Naphthalene | 11.267 | 128 | 3825922 | 139.926 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 1818579 | 129.265 | ug/L | | 100 |

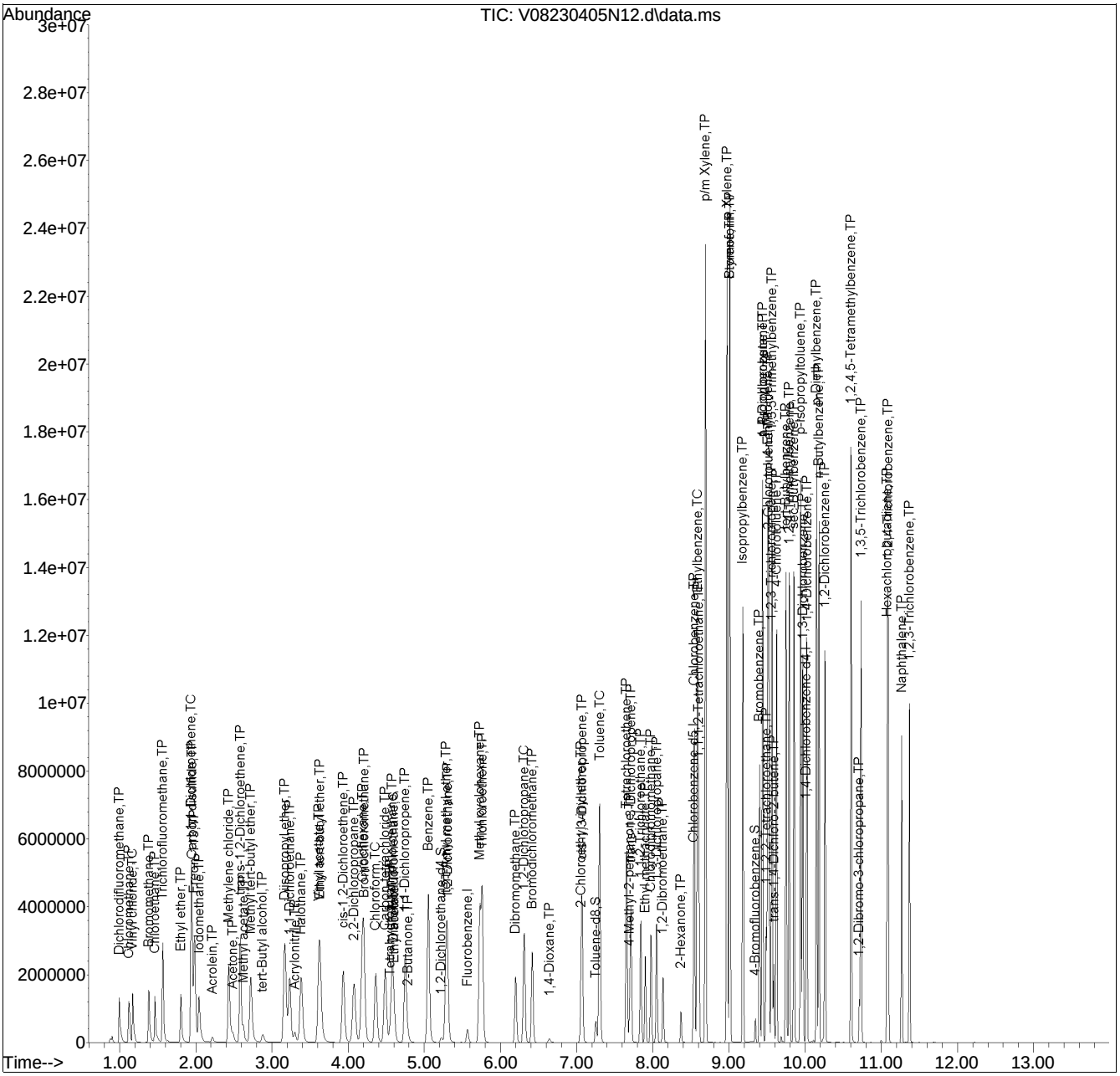
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N12.d
Acq On : 6 Apr 2023 12:57 am
Operator : VOA108:PID
Sample : I8260STD120PPB
Misc : WG1763595,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 06 12:18:41 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

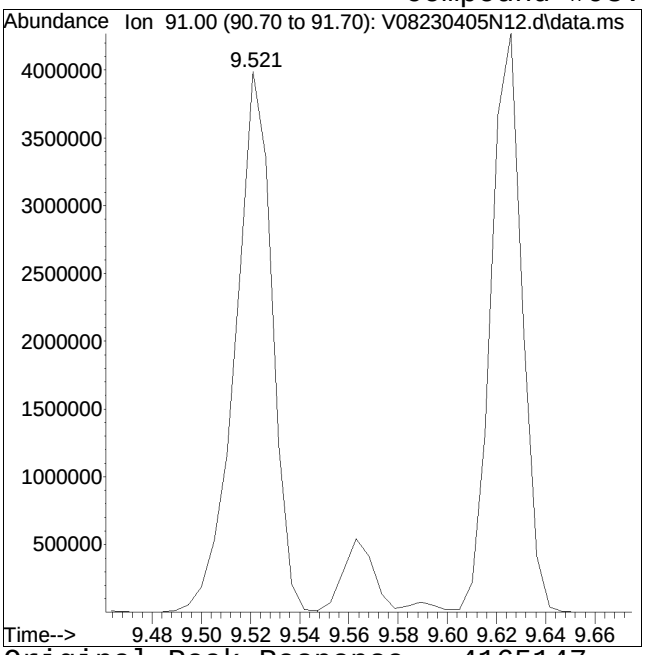


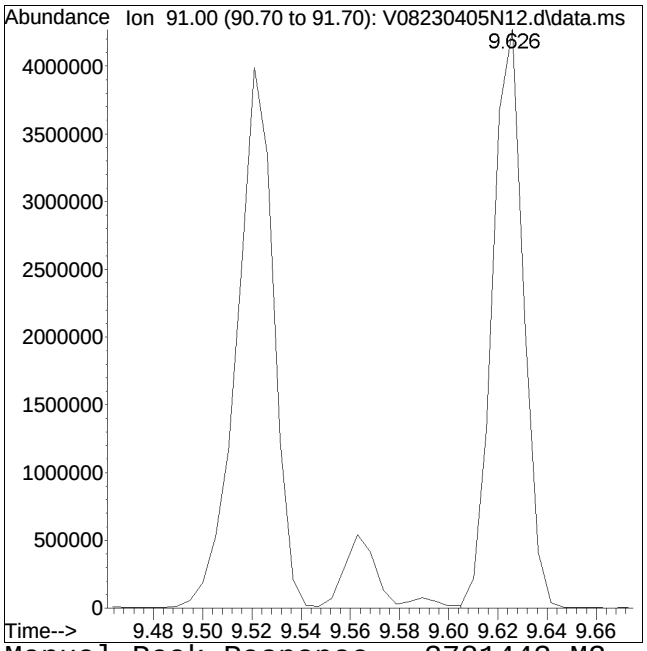
# Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N12.d
Date Inj'd : 4/6/2023 12:57 am
Sample : I8260STD120PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:19 pm

## Compound #93: 4-Chlorotoluene




Original Peak Response = 4165147 Manual Peak Response = 3781443 M3

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N13.d
Acq On : 6 Apr 2023 1:18 am
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1763595,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 12:18:51 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 376372 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = 122.84% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 331819 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = 120.99% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 188599 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = 109.60% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 122109 | 8.914 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 89.14% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 111822 | 8.993 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 89.93% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 383856 | 9.930 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.30% | | | |
| 83) 4-Bromofluorobenzene | 9.348 | 95 | 137040 | 9.758 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.58% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 1604398 | 201.681 | ug/L | 99 |
| 3) Chloromethane | 1.121 | 50 | 1852237 | 175.375 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 1896337 | 201.197 | ug/L | 96 |
| 5) Bromomethane | 1.384 | 94 | 1408178 | 220.583 | ug/L | 99 |
| 6) Chloroethane | 1.462 | 64 | 1444820 | 196.087 | ug/L | 100 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 2965618 | 204.494 | ug/L | 97 |
| 8) Ethyl ether | 1.803 | 74 | 756271 | 206.491 | ug/L | 72 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 1749943 | 196.907 | ug/L # | 63 |
| 11) Carbon disulfide | 1.950 | 76 | 5300364 | 195.560 | ug/L | 96 |
| 12) Freon-113 | 1.981 | 101 | 1872081 | 205.200 | ug/L | 89 |
| 13) Iodomethane | 2.044 | 142 | 2401472 | 250.584 | ug/L | 85 |
| 14) Acrolein | 2.217 | 56 | 194310 | 185.730 | ug/L | 93 |
| 15) Methylene chloride | 2.432 | 84 | 1802696 | 177.310 | ug/L | 73 |
| 17) Acetone | 2.490 | 43 | 363964 | 159.136 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 1944631 | 191.358 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 795777 | 178.638 | ug/L # | 88 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 3689935 | 219.370 | ug/L | 97 |
| 21) tert-Butyl alcohol | 2.883 | 59 | 540213 | 1067.077 | ug/L # | 67 |
| 22) Diisopropyl ether | 3.172 | 45 | 5654843 | 204.226 | ug/L # | 91 |
| 23) 1,1-Dichloroethane | 3.234 | 63 | 3289062 | 179.921 | ug/L | 98 |
| 24) Halothane | 3.386 | 117 | 1590214 | 194.304 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N13.d
Acq On : 6 Apr 2023 1:18 am
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1763595,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 12:18:51 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.303 | 53 | 413974 | 170.441 | ug/L | | 98 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 5448957 | 220.673 | ug/L | | 92 |
| 27) Vinyl acetate | 3.617 | 43 | 2849275 | 196.752 | ug/L | # | 94 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 2139820 | 193.222 | ug/L | # | 67 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 2527733 | 204.865 | ug/L | | 98 |
| 30) Bromochloromethane | 4.210 | 128 | 1060466 | 178.332 | ug/L | # | 46 |
| 31) Cyclohexane | 4.189 | 56 | 3064211 | 221.259 | ug/L | # | 64 |
| 32) Chloroform | 4.362 | 83 | 3330083 | 182.495 | ug/L | | 97 |
| 33) Ethyl acetate | 4.608 | 43 | 1006538 | 206.824 | ug/L | # | 93 |
| 34) Carbon tetrachloride | 4.488 | 117 | 2904356 | 226.276 | ug/L | | 97 |
| 35) Tetrahydrofuran | 4.550 | 42 | 272706 | 203.105 | ug/L | # | 55 |
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 2972875 | 203.238 | ug/L | # | 94 |
| 39) 2-Butanone | 4.786 | 43 | 482438 | 201.270 | ug/L | # | 71 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 2382135 | 223.011 | ug/L | | 90 |
| 41) Benzene | 5.054 | 78 | 7053883 | 212.217 | ug/L | | 91 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 4142839 | 240.992 | ug/L | | 94 |
| 44) 1,2-Dichloroethane | 5.305 | 62 | 2375472 | 185.950 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.730 | 83 | 3146440 | 235.991 | ug/L | # | 70 |
| 48) Trichloroethene | 5.762 | 95 | 2149859 | 222.715 | ug/L | # | 86 |
| 50) Dibromomethane | 6.197 | 93 | 1093299 | 196.232 | ug/L | # | 88 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 1891137 | 200.568 | ug/L | | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 949246 | 240.493 | ug/L | # | 84 |
| 54) Bromodichloromethane | 6.417 | 83 | 2611899 | 205.291 | ug/L | # | 98 |
| 57) 1,4-Dioxane | 6.648 | 88 | 110543 | 2137.551 | ug/L | # | 72 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 2933311 | 229.859 | ug/L | | 91 |
| 61) Toluene | 7.303 | 92 | 4613043 | 206.740 | ug/L | | 96 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 399074 | 230.548 | ug/L | # | 91 |
| 63) Tetrachloroethene | 7.654 | 166 | 2318392 | 211.172 | ug/L | | 86 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 2487486 | 241.880 | ug/L | | 93 |
| 67) Ethyl methacrylate | 7.901 | 69 | 1464849 | 228.281 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 1180870 | 208.564 | ug/L | | 92 |
| 69) Chlorodibromomethane | 7.974 | 129 | 2139118 | 225.362 | ug/L | | 96 |
| 70) 1,3-Dichloropropane | 8.053 | 76 | 2441595 | 208.456 | ug/L | | 100 |
| 71) 1,2-Dibromoethane | 8.137 | 107 | 1540451 | 209.089 | ug/L | | 98 |
| 72) 2-Hexanone | 8.367 | 43 | 651019 | 209.678 | ug/L | | 93 |
| 73) Chlorobenzene | 8.546 | 112 | 5622024 | 199.778 | ug/L | # | 83 |
| 74) Ethylbenzene | 8.588 | 91 | 8528883 | 203.427 | ug/L | | 92 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 2230068 | 225.223 | ug/L | | 96 |
| 76) p/m Xylene | 8.692 | 106 | 7099941 | 407.217 | ug/L | # | 62 |
| 77) o Xylene | 8.976 | 106 | 6896703 | 406.482 | ug/L | # | 56 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N13.d
Acq On : 6 Apr 2023 1:18 am
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1763595,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 12:18:51 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.012 | 104 | 9778446 | 349.485 | ug/L | | 94 |
| 80) Bromoform | 9.012 | 173 | 1204130 | 237.683 | ug/L | | 96 |
| 82) Isopropylbenzene | 9.185 | 105 | 8535012 | 204.954 | ug/L | | 87 |
| 84) Bromobenzene | 9.405 | 156 | 2456553 | 194.888 | ug/L | | 98 |
| 85) n-Propylbenzene | 9.437 | 91 | 9080483 | 184.417 | ug/L | # | 81 |
| 86) 1,4-Dichlorobutane | 9.442 | 55 | 2075223 | 201.288 | ug/L | | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.489 | 83 | 1481485 | 196.018 | ug/L | | 99 |
| 88) 4-Ethyltoluene | 9.510 | 105 | 8552277 | 198.436 | ug/L | | 86 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 6929624 | 196.341 | ug/L | # | 84 |
| 90) 1,3,5-Trimethylbenzene | 9.568 | 105 | 7557100M3 | 211.661 | ug/L | | |
| 91) 1,2,3-Trichloropropane | 9.558 | 75 | 1161726 | 199.623 | ug/L | | 93 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 408720 | 198.951 | ug/L | # | 72 |
| 93) 4-Chlorotoluene | 9.626 | 91 | 6220624M3 | 196.606 | ug/L | | |
| 94) tert-Butylbenzene | 9.752 | 119 | 7069354 | 212.520 | ug/L | | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.793 | 105 | 7520258 | 215.123 | ug/L | # | 82 |
| 98) sec-Butylbenzene | 9.856 | 105 | 8888884M3 | 195.208 | ug/L | | |
| 99) p-Isopropyltoluene | 9.940 | 119 | 8486801 | 202.356 | ug/L | | 90 |
| 100) 1,3-Dichlorobenzene | 9.972 | 146 | 4898420 | 191.771 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.024 | 146 | 4946514 | 193.265 | ug/L | | 96 |
| 102) p-Diethylbenzene | 10.150 | 119 | 5981465 | 226.992 | ug/L | | 90 |
| 103) n-Butylbenzene | 10.181 | 91 | 7283532 | 207.262 | ug/L | # | 90 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 4588012 | 197.246 | ug/L | | 96 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 8254179 | 215.731 | ug/L | | 87 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 300208 | 223.681 | ug/L | | 90 |
| 107) 1,3,5-Trichlorobenzene | 10.737 | 180 | 4007432 | 211.009 | ug/L | # | 92 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 1659292 | 210.819 | ug/L | | 96 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 3491212 | 209.353 | ug/L | | 98 |
| 110) Naphthalene | 11.267 | 128 | 6439163 | 216.520 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 3144713 | 205.512 | ug/L | | 100 |

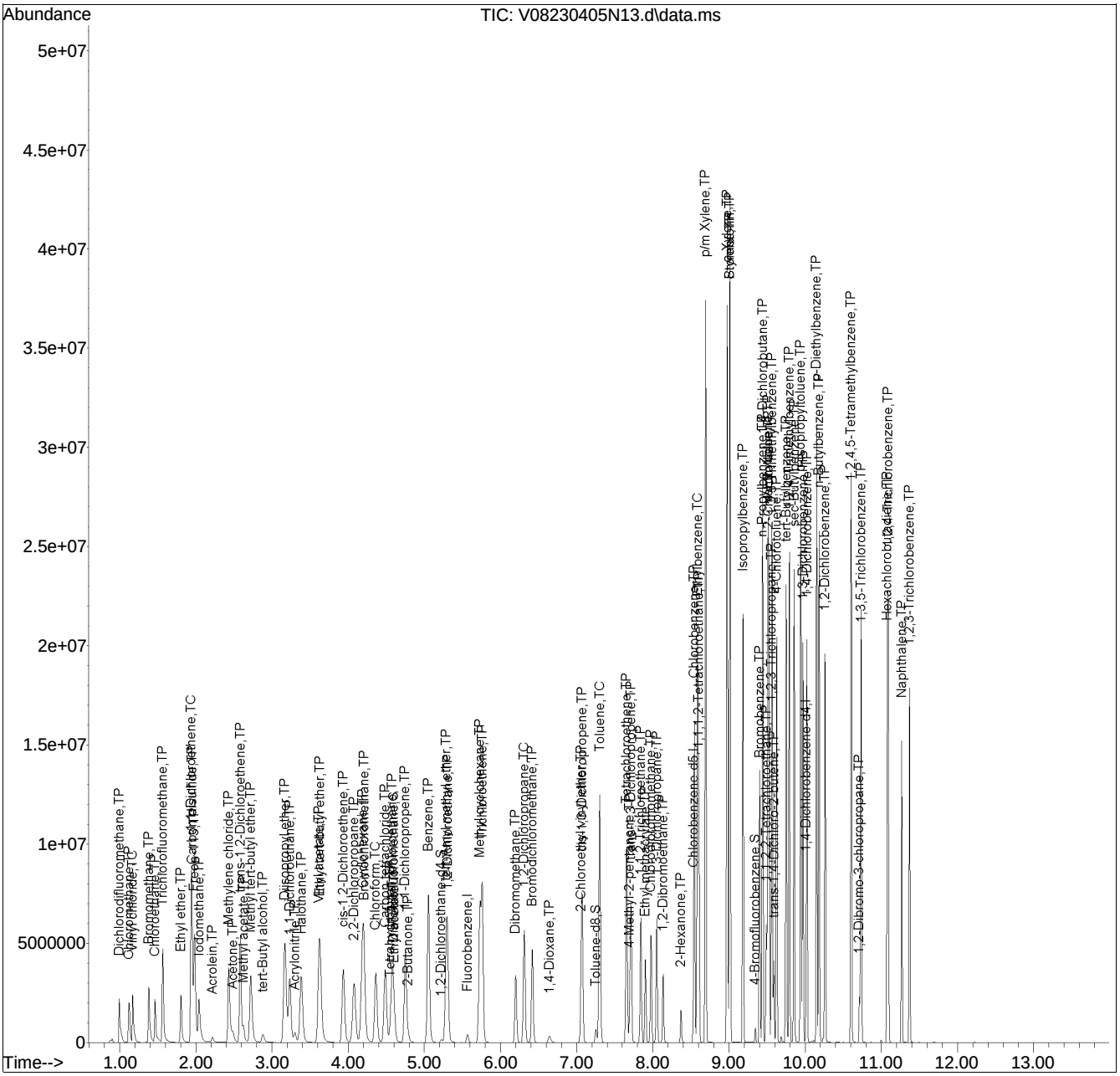
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N13.d
Acq On : 6 Apr 2023 1:18 am
Operator : VOA108:PID
Sample : I8260STD200PPB
Misc : WG1763595,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 12:18:51 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:17:56 2023
Response via : Initial Calibration

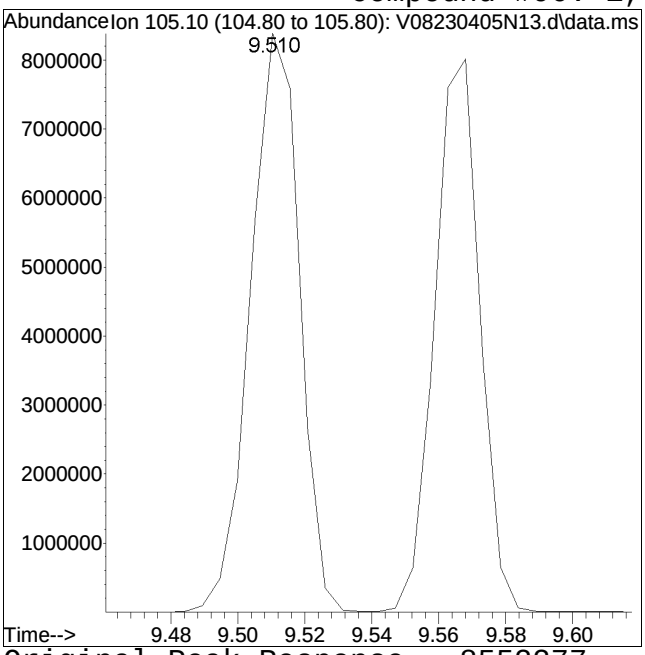
Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

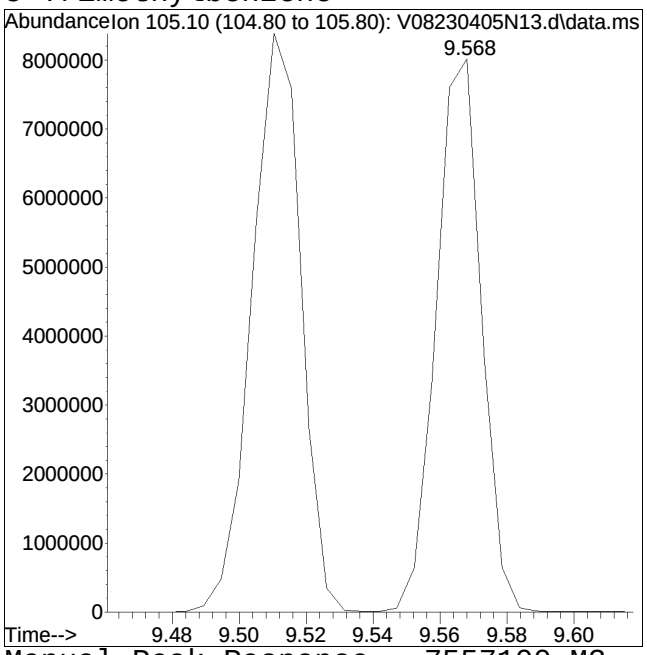


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230405N13.d Operator : VOA108:PID
Date Inj'd : 4/6/2023 1:18 am Instrument : VOA 108
Sample : I8260STD200PPB Quant Date : 4/6/2023 12:19 pm

Compound #90: 1,3,5-Trimethylbenzene




Original Peak Response = 8552277 Manual Peak Response = 7557100 M3

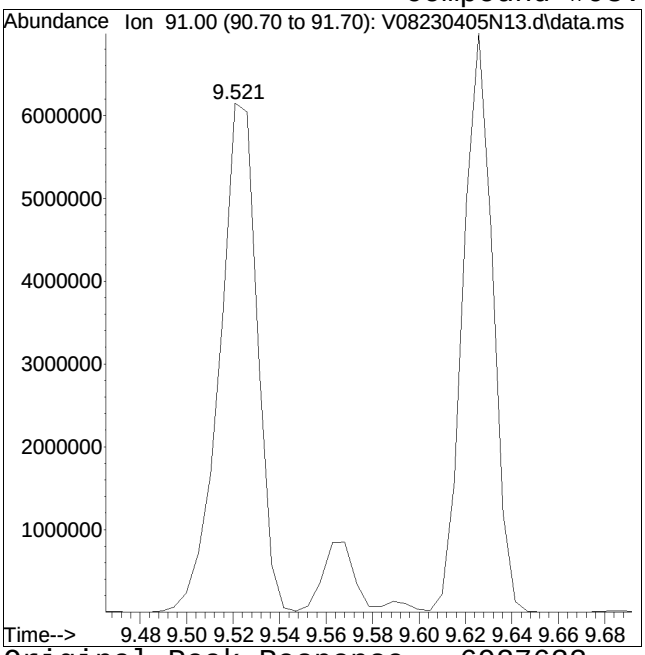
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

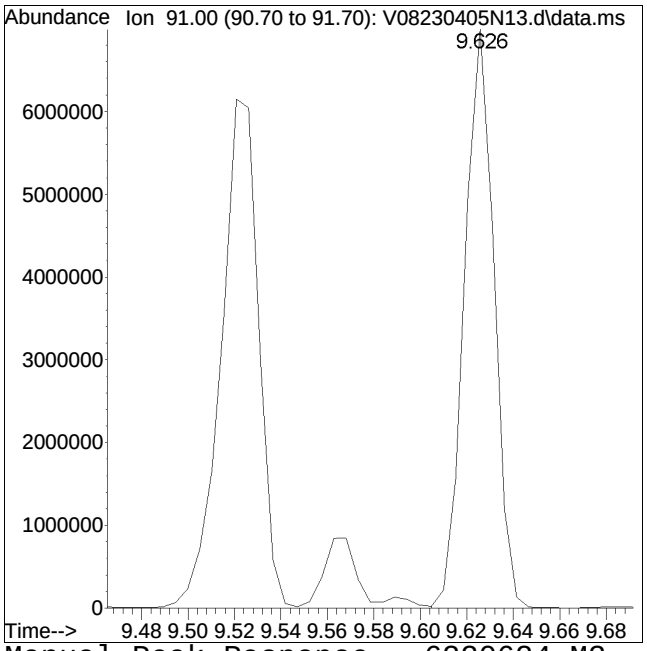
Data Path : I:\VOLATILES\VOA108\2023\2Q
Data File : V08230405N13.d
Date Inj'd : 4/6/2023 1:18 am
Sample : I8260STD200PPB

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/6/2023 12:19 pm

Compound #93: 4-Chlorotoluene




Original Peak Response = 6927633



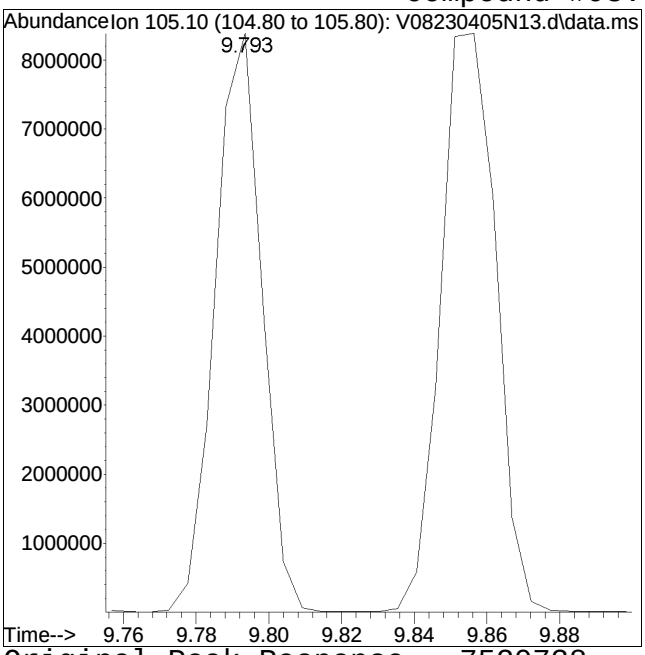

Manual Peak Response = 6220624 M3

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.

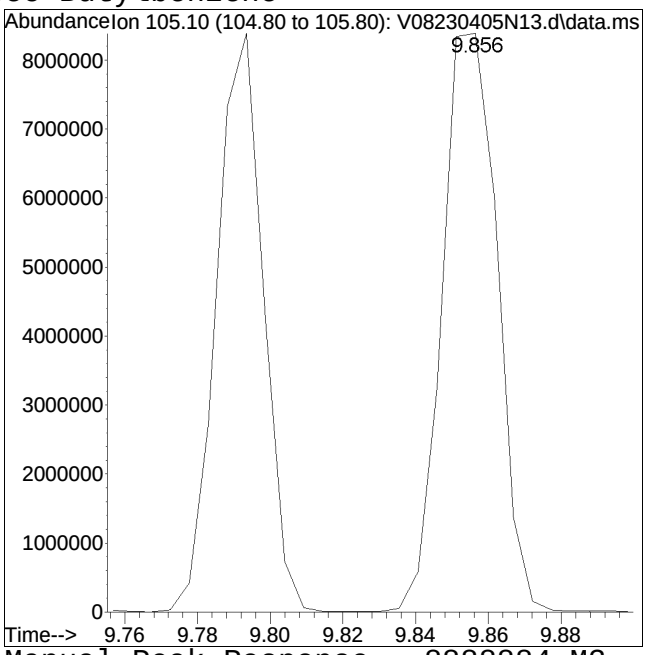
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230405N13.d Operator : VOA108:PID
Date Inj'd : 4/6/2023 1:18 am Instrument : VOA 108
Sample : I8260STD200PPB Quant Date : 4/6/2023 12:19 pm

Compound #98: sec-Butylbenzene




Original Peak Response = 7520738




Manual Peak Response = 8888884 M3

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

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 100 | 0.00 |
| 2 | TP | Dichlorodifluoromethane | 0.211 | 0.246 | -16.6 | 105 | 0.00 |
| 3 | TP | Chloromethane | 0.281 | 0.308 | -9.6 | 100 | 0.00 |
| 4 | TC | Vinyl chloride | 0.250 | 0.284 | -13.6 | 104 | 0.00 |
| 5 | TP | Bromomethane | 0.170 | 0.168 | 1.2 | 109 | 0.00 |
| 6 | TP | Chloroethane | 0.196 | 0.187 | 4.6 | 94 | 0.00 |
| 7 | TP | Trichlorofluoromethane | 0.385 | 0.375 | 2.6 | 89 | 0.00 |
| 8 | TP | Ethyl ether | 0.097 | 0.110 | -13.4 | 113 | 0.00 |
| 10 | TC | 1,1-Dichloroethene | 0.236 | 0.219 | 7.2 | 88 | 0.00 |
| 11 | TP | Carbon disulfide | 0.720 | 0.523 | 27.4# | 70 | 0.00 |
| 12 | TP | Freon-113 | 0.242 | 0.165 | 31.8# | 62 | 0.00 |
| 13 | TP | Iodomethane | * 10.000 | 5.973 | 40.3# | 65 | 0.00 |
| 14 | TP | Acrolein | 0.028 | 0.024 | 14.3 | 84 | 0.00 |
| 15 | TP | Methylene chloride | 0.270 | 0.260 | 3.7 | 96 | 0.00 |
| 17 | TP | Acetone | 0.052 | 0.041 | 21.2# | 82 | 0.00 |
| 18 | TP | trans-1,2-Dichloroethene | 0.270 | 0.262 | 3.0 | 93 | 0.00 |
| 19 | TP | Methyl acetate | 0.118 | 0.108 | 8.5 | 97 | 0.00 |
| 20 | TP | Methyl tert-butyl ether | 0.447 | 0.449 | -0.4 | 107 | 0.00 |
| 21 | TP | tert-Butyl alcohol | 0.013 | 0.012 | 7.7 | 94 | -0.01 |
| 22 | TP | Diisopropyl ether | 0.736 | 0.631 | 14.3 | 91 | 0.00 |
| 23 | TP | 1,1-Dichloroethane | 0.486 | 0.475 | 2.3 | 96 | 0.00 |
| 24 | TP | Halothane | 0.217 | 0.174 | 19.8 | 75 | 0.00 |
| 25 | TP | Acrylonitrile | 0.065 | 0.055 | 15.4 | 92 | 0.00 |
| 26 | TP | Ethyl tert-butyl ether | 0.656 | 0.563 | 14.2 | 93 | 0.00 |
| 27 | TP | Vinyl acetate | 0.385 | 0.257 | 33.2# | 74 | 0.00 |
| 28 | TP | cis-1,2-Dichloroethene | 0.294 | 0.278 | 5.4 | 95 | 0.00 |
| 29 | TP | 2,2-Dichloropropane | 0.328 | 0.264 | 19.5 | 83 | 0.00 |
| 30 | TP | Bromochloromethane | 0.158 | 0.153 | 3.2 | 94 | 0.00 |
| 31 | TP | Cyclohexane | 0.368 | 0.239 | 35.1# | 64 | 0.00 |
| 32 | TC | Chloroform | 0.485 | 0.468 | 3.5 | 96 | 0.00 |
| 33 | TP | Ethyl acetate | 0.129 | 0.119 | 7.8 | 101 | 0.00 |
| 34 | TP | Carbon tetrachloride | 0.341 | 0.327 | 4.1 | 89 | 0.00 |
| 35 | TP | Tetrahydrofuran | 0.036 | 0.034 | 5.6 | 108 | 0.00 |
| 36 | S | Dibromofluoromethane | 0.364 | 0.367 | -0.8 | 99 | 0.00 |
| 37 | TP | 1,1,1-Trichloroethane | 0.389 | 0.379 | 2.6 | 93 | 0.00 |
| 39 | TP | 2-Butanone | 0.064 | 0.052 | 18.8 | 87 | 0.01 |
| 40 | TP | 1,1-Dichloropropene | 0.284 | 0.257 | 9.5 | 92 | 0.00 |
| 41 | TP | Benzene | 0.883 | 0.839 | 5.0 | 94 | 0.00 |
| 42 | TP | tert-Amyl methyl ether | 0.457 | 0.370 | 19.0 | 93 | 0.00 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 0.330 | 0.328 | 0.6 | 98 | 0.00 |
| 44 | TP | 1,2-Dichloroethane | 0.339 | 0.320 | 5.6 | 96 | 0.00 |
| 47 | TP | Methyl cyclohexane | 0.354 | 0.214 | 39.5# | 62 | 0.00 |
| 48 | TP | Trichloroethene | 0.256 | 0.256 | 0.0 | 95 | 0.00 |
| 50 | TP | Dibromomethane | 0.148 | 0.138 | 6.8 | 93 | 0.00 |
| 51 | TC | 1,2-Dichloropropane | 0.251 | 0.230 | 8.4 | 95 | 0.00 |
| 53 | TP | 2-Chloroethyl vinyl ether | 0.105 | 0.077 | 26.7# | 86 | 0.00 |
| 54 | TP | Bromodichloromethane | 0.338 | 0.314 | 7.1 | 95 | 0.00 |
| 57 | TP | 1,4-Dioxane | 0.00137 | 0.00124# | 9.5 | 95 | 0.00 |
| 58 | TP | cis-1,3-Dichloropropene | 0.339 | 0.280# | 17.4 | 93 | 0.00 |
| 59 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 60 | S | Toluene-d8 | 1.165 | 1.175 | -0.9 | 100 | 0.00 |
| 61 | TC | Toluene | 0.672 | 0.617 | 8.2 | 93 | 0.00 |
| 62 | TP | 4-Methyl-2-pentanone | 0.052 | 0.041 | 21.2# | 87 | 0.00 |
| 63 | TP | Tetrachloroethene | 0.331 | 0.300 | 9.4 | 90 | 0.00 |
| 65 | TP | trans-1,3-Dichloropropene | * 10.000 | 7.806 | 21.9# | 95 | 0.00 |
| 67 | TP | Ethyl methacrylate | 0.193 | 0.171 | 11.4 | 100 | 0.00 |
| 68 | TP | 1,1,2-Trichloroethane | 0.171 | 0.157# | 8.2 | 95 | 0.00 |
| 69 | TP | Chlorodibromomethane | 0.286 | 0.252 | 11.9 | 95 | 0.00 |
| 70 | TP | 1,3-Dichloropropane | 0.353 | 0.320 | 9.3 | 96 | 0.00 |
| 71 | TP | 1,2-Dibromoethane | 0.222 | 0.195# | 12.2 | 92 | 0.00 |
| 72 | TP | 2-Hexanone | 0.094 | 0.069 | 26.6# | 81 | 0.00 |
| 73 | TP | Chlorobenzene | 0.848 | 0.797 | 6.0 | 97 | 0.00 |
| 74 | TC | Ethylbenzene | 1.264 | 1.184 | 6.3 | 95 | 0.00 |
| 75 | TP | 1,1,1,2-Tetrachloroethane | 0.298 | 0.261 | 12.4 | 94 | 0.00 |
| 76 | TP | p/m Xylene | 0.525 | 0.502 | 4.4 | 93 | 0.00 |
| 77 | TP | o Xylene | 0.511 | 0.477 | 6.7 | 91 | 0.00 |
| 78 | TP | Styrene | 0.843 | 0.837 | 0.7 | 92 | 0.00 |
| 79 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 80 | TP | Bromoform | 0.269 | 0.234 | 13.0 | 99 | 0.00 |
| 82 | TP | Isopropylbenzene | 2.208 | 2.057 | 6.8 | 91 | 0.00 |
| 83 | S | 4-Bromofluorobenzene | 0.745 | 0.747 | -0.3 | 96 | 0.00 |
| 84 | TP | Bromobenzene | 0.668 | 0.614 | 8.1 | 94 | 0.00 |
| 85 | TP | n-Propylbenzene | 2.645 | 2.497 | 5.6 | 91 | 0.00 |
| 86 | TP | 1,4-Dichlorobutane | 0.547 | 0.538 | 1.6 | 103 | 0.00 |
| 87 | TP | 1,1,2,2-Tetrachloroethane | 0.401 | 0.345 | 14.0 | 91 | 0.00 |
| 88 | TP | 4-Ethyltoluene | 2.285 | 2.006 | 12.2 | 86 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 1.871 | 1.750 | 6.5 | 91 | 0.00 |
| 90 TP | 1,3,5-Trimethylbenzene | 1.893 | 1.753 | 7.4 | 91 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.309 | 0.275 | 11.0 | 92 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.109 | 0.093 | 14.7 | 93 | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.678 | 1.588 | 5.4 | 93 | 0.00 |
| 94 TP | tert-Butylbenzene | 1.764 | 1.632 | 7.5 | 91 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 1.854 | 1.795 | 3.2 | 98 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.414 | 2.315 | 4.1 | 89 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.224 | 2.061 | 7.3 | 90 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.354 | 1.304 | 3.7 | 96 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 1.357 | 1.242 | 8.5 | 91 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.397 | 1.079 | 22.8# | 80 | 0.00 |
| 103 TP | n-Butylbenzene | 1.863 | 1.785 | 4.2 | 93 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 1.233 | 1.189 | 3.6 | 96 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.029 | 1.602 | 21.0# | 87 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.071 | 0.062 | 12.7 | 100 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 1.007 | 0.828 | 17.8 | 85 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.417 | 0.342 | 18.0 | 83 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.884 | 0.787 | 11.0 | 95 | 0.00 |
| 110 TP | Naphthalene | 1.577 | 1.402 | 11.1 | 98 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.811 | 0.757 | 6.7 | 95 | 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 : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.562 | 96 | 305641 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 306396 | | | Recovery = | 99.75% | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 272238 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 274259 | | | Recovery = | 99.26% | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 160124 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 172075 | | | Recovery = | 93.05% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 112145 | 10.081 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.81% | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 100313 | 9.935 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.35% | | |
| 60) Toluene-d8 | 7.251 | 98 | 319987 | 10.090 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.90% | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 119604 | 10.031 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.31% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 75035 | 11.615 | ug/L | 99 |
| 3) Chloromethane | 1.122 | 50 | 94185 | 10.981 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 86654 | 11.321 | ug/L | 97 |
| 5) Bromomethane | 1.384 | 94 | 51286 | 9.893 | ug/L | 98 |
| 6) Chloroethane | 1.468 | 64 | 57246 | 9.567 | ug/L | 100 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 114583 | 9.730 | ug/L | 97 |
| 8) Ethyl ether | 1.803 | 74 | 33704 | 11.332 | ug/L | 78 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 66797 | 9.255 | ug/L # | 63 |
| 11) Carbon disulfide | 1.945 | 76 | 159875 | 7.264 | ug/L | 96 |
| 12) Freon-113 | 1.987 | 101 | 50432 | 6.807 | ug/L | 87 |
| 13) Iodomethane | 2.044 | 142 | 45588 | 5.973 | ug/L | 83 |
| 14) Acrolein | 2.217 | 56 | 7358 | 8.661 | ug/L | 92 |
| 15) Methylene chloride | 2.432 | 84 | 79322 | 9.608 | ug/L | 76 |
| 17) Acetone | 2.485 | 43 | 12577 | 7.904 | ug/L | 95 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 79935 | 9.686 | ug/L | 75 |
| 19) Methyl acetate | 2.626 | 43 | 33148 | 9.163 | ug/L # | 88 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 137327 | 10.054 | ug/L | 96 |
| 21) tert-Butyl alcohol | 2.873 | 59 | 18314 | 44.547 | ug/L # | 72 |
| 22) Diisopropyl ether | 3.172 | 45 | 193002 | 8.583 | ug/L # | 87 |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 145313 | 9.789 | ug/L | 99 |
| 24) Halothane | 3.387 | 117 | 53300 | 8.020 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Acrylonitrile | 3.297 | 53 | 16721 | 8.478 | ug/L | | 93 |
| 26) Ethyl tert-butyl ether | 3.628 | 59 | 172138 | 8.585 | ug/L | | 87 |
| 27) Vinyl acetate | 3.617 | 43 | 78403 | 6.667 | ug/L | # | 96 |
| 28) cis-1,2-Dichloroethene | 3.932 | 96 | 84899 | 9.440 | ug/L | # | 67 |
| 29) 2,2-Dichloropropane | 4.079 | 77 | 80614 | 8.045 | ug/L | | 90 |
| 30) Bromochloromethane | 4.210 | 128 | 46651 | 9.661 | ug/L | # | 47 |
| 31) Cyclohexane | 4.184 | 56 | 73201 | 6.509 | ug/L | # | 67 |
| 32) Chloroform | 4.362 | 83 | 143002 | 9.650 | ug/L | | 97 |
| 33) Ethyl acetate | 4.613 | 43 | 36522 | 9.241 | ug/L | # | 90 |
| 34) Carbon tetrachloride | 4.482 | 117 | 99845 | 9.579 | ug/L | | 98 |
| 35) Tetrahydrofuran | 4.556 | 42 | 10362 | 9.503 | ug/L | # | 54 |
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 115717 | 9.742 | ug/L | # | 95 |
| 39) 2-Butanone | 4.792 | 43 | 15820 | 8.127 | ug/L | # | 79 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 78595 | 9.061 | ug/L | | 90 |
| 41) Benzene | 5.054 | 78 | 256578 | 9.506 | ug/L | | 91 |
| 42) tert-Amyl methyl ether | 5.290 | 73 | 112986 | 8.093 | ug/L | | 95 |
| 44) 1,2-Dichloroethane | 5.306 | 62 | 97733 | 9.421 | ug/L | | 98 |
| 47) Methyl cyclohexane | 5.730 | 83 | 65510 | 6.050 | ug/L | # | 76 |
| 48) Trichloroethene | 5.762 | 95 | 78292 | 9.988 | ug/L | # | 86 |
| 50) Dibromomethane | 6.197 | 93 | 42229 | 9.334 | ug/L | # | 87 |
| 51) 1,2-Dichloropropane | 6.307 | 63 | 70216 | 9.170 | ug/L | | 96 |
| 53) 2-Chloroethyl vinyl ether | 7.057 | 63 | 23448 | 7.315 | ug/L | # | 88 |
| 54) Bromodichloromethane | 6.417 | 83 | 95858 | 9.278 | ug/L | # | 98 |
| 57) 1,4-Dioxane | 6.648 | 88 | 19024 | 452.994 | ug/L | # | 79 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 85430 | 8.244 | ug/L | | 94 |
| 61) Toluene | 7.298 | 92 | 167951 | 9.174 | ug/L | | 99 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 11144 | 7.847 | ug/L | # | 96 |
| 63) Tetrachloroethene | 7.654 | 166 | 81635 | 9.063 | ug/L | | 88 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 68736 | 7.806 | ug/L | | 99 |
| 67) Ethyl methacrylate | 7.901 | 69 | 46568 | 8.845 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 42806 | 9.215 | ug/L | | 92 |
| 69) Chlorodibromomethane | 7.974 | 129 | 68472 | 8.792 | ug/L | | 96 |
| 70) 1,3-Dichloropropane | 8.053 | 76 | 86986 | 9.052 | ug/L | | 100 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 53073 | 8.780 | ug/L | | 97 |
| 72) 2-Hexanone | 8.367 | 43 | 18810 | 7.384 | ug/L | | 95 |
| 73) Chlorobenzene | 8.546 | 112 | 217073 | 9.402 | ug/L | # | 84 |
| 74) Ethylbenzene | 8.582 | 91 | 322199 | 9.367 | ug/L | | 95 |
| 75) 1,1,1,2-Tetrachloroethane | 8.603 | 131 | 70935 | 8.732 | ug/L | | 95 |
| 76) p/m Xylene | 8.693 | 106 | 273523 | 19.121 | ug/L | | 90 |
| 77) o Xylene | 8.970 | 106 | 259968 | 18.676 | ug/L | | 85 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230405N-ICAL\V08230405N09.d
Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) Styrene | 9.007 | 104 | 455468 | 19.841 | ug/L | # | 83 |
| 80) Bromoform | 9.012 | 173 | 37533 | 8.726 | ug/L | | 96 |
| 82) Isopropylbenzene | 9.180 | 105 | 329453 | 9.318 | ug/L | | 93 |
| 84) Bromobenzene | 9.400 | 156 | 98263 | 9.182 | ug/L | | 99 |
| 85) n-Propylbenzene | 9.437 | 91 | 399778 | 9.440 | ug/L | # | 91 |
| 86) 1,4-Dichlorobutane | 9.442 | 55 | 86108 | 9.837 | ug/L | | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 55289 | 8.616 | ug/L | | 97 |
| 88) 4-Ethyltoluene | 9.510 | 105 | 321227 | 8.779 | ug/L | | 93 |
| 89) 2-Chlorotoluene | 9.521 | 91 | 280141 | 9.349 | ug/L | # | 84 |
| 90) 1,3,5-Trimethylbenzene | 9.563 | 105 | 280704 | 9.260 | ug/L | # | 84 |
| 91) 1,2,3-Trichloropropane | 9.558 | 75 | 44100 | 8.925 | ug/L | | 94 |
| 92) trans-1,4-Dichloro-2-b... | 9.589 | 53 | 14821 | 8.497 | ug/L | | 93 |
| 93) 4-Chlorotoluene | 9.621 | 91 | 254256M3 | 9.465 | ug/L | | |
| 94) tert-Butylbenzene | 9.746 | 119 | 261250 | 9.250 | ug/L | | 94 |
| 97) 1,2,4-Trimethylbenzene | 9.788 | 105 | 287433 | 9.684 | ug/L | # | 87 |
| 98) sec-Butylbenzene | 9.851 | 105 | 370691 | 9.588 | ug/L | | 92 |
| 99) p-Isopropyltoluene | 9.940 | 119 | 329999 | 9.268 | ug/L | | 91 |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 208848 | 9.630 | ug/L | | 95 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 198889 | 9.153 | ug/L | | 97 |
| 102) p-Diethylbenzene | 10.150 | 119 | 172809 | 7.724 | ug/L | | 90 |
| 103) n-Butylbenzene | 10.182 | 91 | 285875 | 9.582 | ug/L | # | 96 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 190429 | 9.643 | ug/L | | 95 |
| 105) 1,2,4,5-Tetramethylben... | 10.601 | 119 | 256559 | 7.898 | ug/L | | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 10006 | 8.781 | ug/L | | 93 |
| 107) 1,3,5-Trichlorobenzene | 10.732 | 180 | 132659 | 8.227 | ug/L | | 93 |
| 108) Hexachlorobutadiene | 11.078 | 225 | 54710 | 8.187 | ug/L | | 98 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 126096 | 8.906 | ug/L | | 97 |
| 110) Naphthalene | 11.267 | 128 | 224521 | 8.892 | ug/L | | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.372 | 180 | 121139 | 9.324 | ug/L | | 98 |

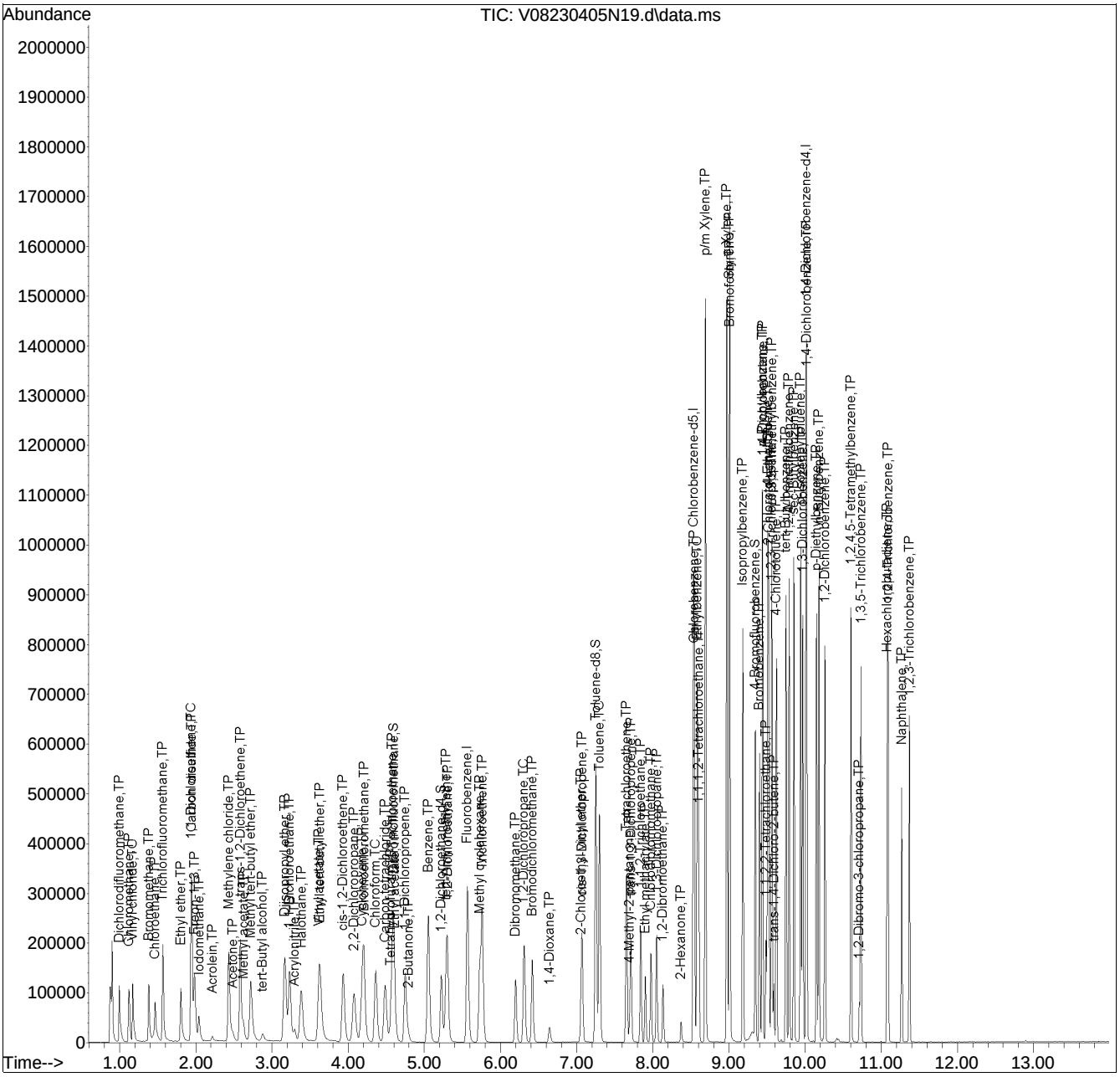
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Data File : V08230405N19.d
Acq On : 6 Apr 2023 3:23 am
Operator : VOA108:PID
Sample : C8260STD10PPB
Misc : WG1763595,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 06 12:25:52 2023
Quant Method : I:\VOLATILES\VOA108\2023\230405N-ICAL\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

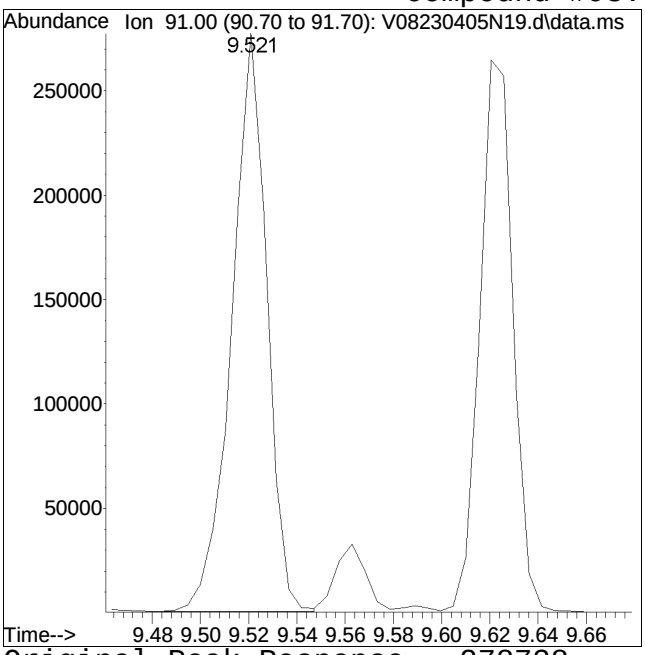
Sub List : 8260-Curve - Megamix plus Diox30405N-ICAL\V08230405N09.d•

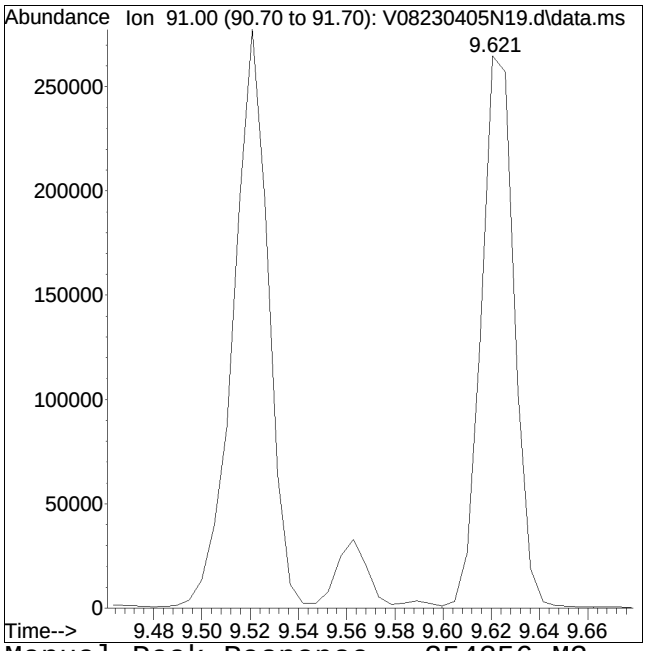


Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230405N19.d Operator : VOA108:PID
Date Inj'd : 4/6/2023 3:23 am Instrument : VOA 108
Sample : C8260STD10PPB Quant Date : 4/6/2023 12:25 pm

Compound #93: 4-Chlorotoluene




Original Peak Response = 278738 Manual Peak Response = 254256 M3

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

Evaluate Relative Error Report VOA 108

Method Path : I:\VOLATILES\VOA108\2023\230405N-ICAL\
Method File : V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023

| | COMPOUND | CalFit | Units | TrueMid | MidConc | %RE | TrueLow | LowConc | %RE |
|---|---|---|---|---|---|---|---|---|---|
| 13 TP | Iodomethane | L | ug/L | 10.0 | 8.443 | -15.6 | 2.00 | 2.494 | 24.7 |
| 65 TP | trans-1,3-Dichloropropene | Q | ug/L | 10.0 | 8.175 | -18.2 | 0.50 | 0.642 | 28.4 |

Calibration Correlation Report

| | COMPOUND | CalFit | CoefOfDet | QuadTerm | LinTerm | Constant |
|---|---|---|---|---|---|---|
| 13 TP | Iodomethane | Linear | 0.997143 | 0.000000 | 0.321206 | -0.0427035 |
| 65 TP | trans-1,3-Dichloropropene | Quadratic | 0.998018 | 0.002326 | 0.335086 | -0.0104944 |

# Continuing Calibration

# Calibration Verification Summary
# Form 7
# Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : VOA108 | **Calibration Date** | : 04/19/23 08:18 | | |
| **Lab File ID** | : V08230419A01 | **Init. Calib. Date(s)** | : 04/05/23 | 04/06/23 | |
| **Sample No** | : WG1769022-2 | **Init. Calib. Times** | : 22:11 | 01:18 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| Fluorobenzene | 1 | 1 | - | 0 | 20 | 81 | 0 |
| Dichlorodifluoromethane | 0.211 | 0.29 | - | -37.4* | 20 | 101 | 0 |
| Chloromethane | 0.281 | 0.362 | - | -28.8* | 20 | 95 | 0 |
| Vinyl chloride | 0.25 | 0.305 | - | -22* | 20 | 91 | 0 |
| Bromomethane | 0.17 | 0.141 | - | 17.1 | 20 | 74 | 0 |
| Chloroethane | 0.196 | 0.213 | - | -8.7 | 20 | 87 | 0 |
| Trichlorofluoromethane | 0.385 | 0.431 | - | -11.9 | 20 | 83 | 0 |
| Ethyl ether | 0.097 | 0.093 | - | 4.1 | 20 | 77 | 0 |
| 1,1-Dichloroethene | 0.236 | 0.244 | - | -3.4 | 20 | 80 | 0 |
| Carbon disulfide | 0.72 | 0.776 | - | -7.8 | 20 | 84 | 0 |
| Freon-113 | 0.242 | 0.266 | - | -9.9 | 20 | 80 | 0 |
| Acrolein | 0.028 | 0.033 | - | -17.9 | 20 | 92 | 0 |
| Methylene chloride | 0.27 | 0.273 | - | -1.1 | 20 | 81 | 0 |
| Acetone | 0.052 | 0.049 | - | 5.8 | 20 | 79 | 0 |
| trans-1,2-Dichloroethene | 0.27 | 0.265 | - | 1.9 | 20 | 77 | 0 |
| Methyl acetate | 0.118 | 0.114 | - | 3.4 | 20 | 83 | 0 |
| Methyl tert-butyl ether | 0.447 | 0.384 | - | 14.1 | 20 | 74 | 0 |
| tert-Butyl alcohol | 0.013 | 0.012 | - | 7.7 | 20 | 79 | -.01 |
| Diisopropyl ether | 0.736 | 0.686 | - | 6.8 | 20 | 80 | 0 |
| 1,1-Dichloroethane | 0.486 | 0.501 | - | -3.1 | 20 | 82 | 0 |
| Halothane | 0.217 | 0.201 | - | 7.4 | 20 | 71 | 0 |
| Acrylonitrile | 0.065 | 0.062 | - | 4.6 | 20 | 85 | -.01 |
| Ethyl tert-butyl ether | 0.656 | 0.547 | - | 16.6 | 20 | 73 | 0 |
| Vinyl acetate | 0.385 | 0.37 | - | 3.9 | 20 | 86 | 0 |
| cis-1,2-Dichloroethene | 0.294 | 0.297 | - | -1 | 20 | 83 | 0 |
| 2,2-Dichloropropane | 0.328 | 0.372 | - | -13.4 | 20 | 95 | -.01 |
| Bromochloromethane | 0.158 | 0.157 | - | 0.6 | 20 | 78 | 0 |
| Cyclohexane | 0.368 | 0.404 | - | -9.8 | 20 | 87 | -.01 |
| Chloroform | 0.485 | 0.528 | - | -8.9 | 20 | 88 | 0 |
| Ethyl acetate | 0.129 | 0.135 | - | -4.7 | 20 | 93 | 0 |
| Carbon tetrachloride | 0.341 | 0.388 | - | -13.8 | 20 | 86 | 0 |
| Tetrahydrofuran | 0.036 | 0.033 | - | 8.3 | 20 | 85 | 0 |
| Dibromofluoromethane | 0.364 | 0.355 | - | 2.5 | 20 | 77 | 0 |
| 1,1,1-Trichloroethane | 0.389 | 0.43 | - | -10.5 | 20 | 86 | 0 |
| 2-Butanone | 0.064 | 0.067 | - | -4.7 | 20 | 91 | 0 |
| 1,1-Dichloropropene | 0.284 | 0.286 | - | -0.7 | 20 | 83 | 0 |
| Benzene | 0.883 | 0.973 | - | -10.2 | 20 | 88 | 0 |
| tert-Amyl methyl ether | 0.457 | 0.383 | - | 16.2 | 20 | 78 | 0 |
| 1,2-Dichloroethane-d4 | 0.33 | 0.331 | - | -0.3 | 20 | 80 | 0 |
| 1,2-Dichloroethane | 0.339 | 0.357 | - | -5.3 | 20 | 87 | 0 |
| Methyl cyclohexane | 0.354 | 0.342 | - | 3.4 | 20 | 80 | 0 |
| Trichloroethene | 0.256 | 0.283 | - | -10.5 | 20 | 85 | 0 |
| Dibromomethane | 0.148 | 0.154 | - | -4.1 | 20 | 84 | 0 |

* Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : VOA108 | **Calibration Date** | : 04/19/23 08:18 | | |
| **Lab File ID** | : V08230419A01 | **Init. Calib. Date(s)** | : 04/05/23 | 04/06/23 | |
| **Sample No** | : WG1769022-2 | **Init. Calib. Times** | : 22:11 | 01:18 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | 0.251 | 0.265 | - | -5.6 | 20 | 89 | 0 |
| Bromodichloromethane | 0.338 | 0.347 | - | -2.7 | 20 | 85 | 0 |
| 1,4-Dioxane | 0.00137 | 0.00128* | - | 6.6 | 20 | 80 | 0 |
| cis-1,3-Dichloropropene | 0.339 | 0.308 | - | 9.1 | 20 | 83 | 0 |
| Chlorobenzene-d5 | 1 | 1 | - | 0 | 20 | 78 | 0 |
| Toluene-d8 | 1.165 | 1.161 | - | 0.3 | 20 | 78 | 0 |
| Toluene | 0.672 | 0.705 | - | -4.9 | 20 | 83 | 0 |
| 4-Methyl-2-pentanone | 0.052 | 0.048 | - | 7.7 | 20 | 79 | 0 |
| Tetrachloroethene | 0.331 | 0.327 | - | 1.2 | 20 | 78 | 0 |
| trans-1,3-Dichloropropene | 10 | 9.193 | - | 8.1 | 20 | 89 | 0 |
| Ethyl methacrylate | 0.193 | 0.178 | - | 7.8 | 20 | 82 | 0 |
| 1,1,2-Trichloroethane | 0.171 | 0.178* | - | -4.1 | 20 | 85 | 0 |
| Chlorodibromomethane | 0.286 | 0.258 | - | 9.8 | 20 | 77 | 0 |
| 1,3-Dichloropropane | 0.353 | 0.361 | - | -2.3 | 20 | 85 | 0 |
| 1,2-Dibromoethane | 0.222 | 0.213 | - | 4.1 | 20 | 80 | 0 |
| 2-Hexanone | 0.094 | 0.089 | - | 5.3 | 20 | 82 | 0 |
| Chlorobenzene | 0.848 | 0.857 | - | -1.1 | 20 | 82 | 0 |
| Ethylbenzene | 1.264 | 1.308 | - | -3.5 | 20 | 83 | 0 |
| 1,1,1,2-Tetrachloroethane | 0.298 | 0.289 | - | 3 | 20 | 82 | 0 |
| p/m Xylene | 0.525 | 0.566 | - | -7.8 | 20 | 83 | 0 |
| o Xylene | 0.511 | 0.532 | - | -4.1 | 20 | 80 | 0 |
| Styrene | 0.843 | 0.93 | - | -10.3 | 20 | 81 | 0 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 76 | 0 |
| Bromoform | 0.269 | 0.222 | - | 17.5 | 20 | 76 | 0 |
| Isopropylbenzene | 2.208 | 2.29 | - | -3.7 | 20 | 83 | 0 |
| 4-Bromofluorobenzene | 0.745 | 0.716 | - | 3.9 | 20 | 75 | 0 |
| Bromobenzene | 0.668 | 0.622 | - | 6.9 | 20 | 78 | 0 |
| n-Propylbenzene | 2.645 | 2.843 | - | -7.5 | 20 | 85 | 0 |
| 1,4-Dichlorobutane | 0.547 | 0.566 | - | -3.5 | 20 | 88 | 0 |
| 1,1,2,2-Tetrachloroethane | 0.401 | 0.407 | - | -1.5 | 20 | 87 | 0 |
| 4-Ethyltoluene | 2.285 | 2.389 | - | -4.6 | 20 | 84 | 0 |
| 2-Chlorotoluene | 1.871 | 2.031 | - | -8.6 | 20 | 86 | 0 |
| 1,3,5-Trimethylbenzene | 1.893 | 1.996 | - | -5.4 | 20 | 85 | 0 |
| 1,2,3-Trichloropropane | 0.309 | 0.31 | - | -0.3 | 20 | 84 | 0 |
| trans-1,4-Dichloro-2-buten | 0.109 | 0.111 | - | -1.8 | 20 | 91 | 0 |
| 4-Chlorotoluene | 1.678 | 1.746 | - | -4.1 | 20 | 83 | 0 |
| tert-Butylbenzene | 1.764 | 1.746 | - | 1 | 20 | 80 | 0 |
| 1,2,4-Trimethylbenzene | 1.854 | 1.919 | - | -3.5 | 20 | 85 | 0 |
| sec-Butylbenzene | 2.414 | 2.681 | - | -11.1 | 20 | 84 | 0 |
| p-Isopropyltoluene | 2.224 | 2.283 | - | -2.7 | 20 | 82 | 0 |
| 1,3-Dichlorobenzene | 1.354 | 1.371 | - | -1.3 | 20 | 82 | 0 |
| 1,4-Dichlorobenzene | 1.357 | 1.361 | - | -0.3 | 20 | 82 | 0 |
| p-Diethylbenzene | 1.397 | 1.319 | - | 5.6 | 20 | 80 | 0 |

* Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Volatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : VOA108 | **Calibration Date** | : 04/19/23 08:18 | | |
| **Lab File ID** | : V08230419A01 | **Init. Calib. Date(s)** | : 04/05/23 | 04/06/23 | |
| **Sample No** | : WG1769022-2 | **Init. Calib. Times** | : 22:11 | 01:18 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| n-Butylbenzene | 1.863 | 2.086 | - | -12 | 20 | 88 | 0 |
| 1,2-Dichlorobenzene | 1.233 | 1.23 | - | 0.2 | 20 | 81 | 0 |
| 1,2,4,5-Tetramethylbenzene | 2.029 | 1.727 | - | 14.9 | 20 | 76 | 0 |
| 1,2-Dibromo-3-chloropropan | 0.071 | 0.062 | - | 12.7 | 20 | 80 | 0 |
| 1,3,5-Trichlorobenzene | 1.007 | 0.909 | - | 9.7 | 20 | 76 | 0 |
| Hexachlorobutadiene | 0.417 | 0.395 | - | 5.3 | 20 | 78 | 0 |
| 1,2,4-Trichlorobenzene | 0.884 | 0.773 | - | 12.6 | 20 | 76 | 0 |
| Naphthalene | 1.577 | 1.332 | - | 15.5 | 20 | 76 | 0 |
| 1,2,3-Trichlorobenzene | 0.811 | 0.719 | - | 11.3 | 20 | 73 | 0 |

* Value outside of QC limits.

# Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 81 | 0.00 |
| 2 | TP | Dichlorodifluoromethane | 0.211 | 0.290 | -37.4# | 101 | 0.00 |
| 3 | TP | Chloromethane | 0.281 | 0.362 | -28.8# | 95 | 0.00 |
| 4 | TC | Vinyl chloride | 0.250 | 0.305 | -22.0# | 91 | 0.00 |
| 5 | TP | Bromomethane | 0.170 | 0.141 | 17.1 | 74 | 0.00 |
| 6 | TP | Chloroethane | 0.196 | 0.213 | -8.7 | 87 | 0.00 |
| 7 | TP | Trichlorofluoromethane | 0.385 | 0.431 | -11.9 | 83 | 0.00 |
| 8 | TP | Ethyl ether | 0.097 | 0.093 | 4.1 | 77 | 0.00 |
| 10 | TC | 1,1-Dichloroethene | 0.236 | 0.244 | -3.4 | 80 | 0.00 |
| 11 | TP | Carbon disulfide | 0.720 | 0.776 | -7.8 | 84 | 0.00 |
| 12 | TP | Freon-113 | 0.242 | 0.266 | -9.9 | 80 | 0.00 |
| 14 | TP | Acrolein | 0.028 | 0.033 | -17.9 | 92 | 0.00 |
| 15 | TP | Methylene chloride | 0.270 | 0.273 | -1.1 | 81 | 0.00 |
| 17 | TP | Acetone | 0.052 | 0.049 | 5.8 | 79 | 0.00 |
| 18 | TP | trans-1,2-Dichloroethene | 0.270 | 0.265 | 1.9 | 77 | 0.00 |
| 19 | TP | Methyl acetate | 0.118 | 0.114 | 3.4 | 83 | 0.00 |
| 20 | TP | Methyl tert-butyl ether | 0.447 | 0.384 | 14.1 | 74 | 0.00 |
| 21 | TP | tert-Butyl alcohol | 0.013 | 0.012 | 7.7 | 79 | -0.01 |
| 22 | TP | Diisopropyl ether | 0.736 | 0.686 | 6.8 | 80 | 0.00 |
| 23 | TP | 1,1-Dichloroethane | 0.486 | 0.501 | -3.1 | 82 | 0.00 |
| 24 | TP | Halothane | 0.217 | 0.201 | 7.4 | 71 | 0.00 |
| 25 | TP | Acrylonitrile | 0.065 | 0.062 | 4.6 | 85 | -0.01 |
| 26 | TP | Ethyl tert-butyl ether | 0.656 | 0.547 | 16.6 | 73 | 0.00 |
| 27 | TP | Vinyl acetate | 0.385 | 0.370 | 3.9 | 86 | 0.00 |
| 28 | TP | cis-1,2-Dichloroethene | 0.294 | 0.297 | -1.0 | 83 | 0.00 |
| 29 | TP | 2,2-Dichloropropane | 0.328 | 0.372 | -13.4 | 95 | -0.01 |
| 30 | TP | Bromochloromethane | 0.158 | 0.157 | 0.6 | 78 | 0.00 |
| 31 | TP | Cyclohexane | 0.368 | 0.404 | -9.8 | 87 | -0.01 |
| 32 | TC | Chloroform | 0.485 | 0.528 | -8.9 | 88 | 0.00 |
| 33 | TP | Ethyl acetate | 0.129 | 0.135 | -4.7 | 93 | 0.00 |
| 34 | TP | Carbon tetrachloride | 0.341 | 0.388 | -13.8 | 86 | 0.00 |
| 35 | TP | Tetrahydrofuran | 0.036 | 0.033 | 8.3 | 85 | 0.00 |
| 36 | S | Dibromofluoromethane | 0.364 | 0.355 | 2.5 | 77 | 0.00 |
| 37 | TP | 1,1,1-Trichloroethane | 0.389 | 0.430 | -10.5 | 86 | 0.00 |
| 39 | TP | 2-Butanone | 0.064 | 0.067 | -4.7 | 91 | 0.00 |
| 40 | TP | 1,1-Dichloropropene | 0.284 | 0.286 | -0.7 | 83 | 0.00 |
| 41 | TP | Benzene | 0.883 | 0.973 | -10.2 | 88 | 0.00 |
| 42 | TP | tert-Amyl methyl ether | 0.457 | 0.383 | 16.2 | 78 | 0.00 |
| 43 | S | 1,2-Dichloroethane-d4 | 0.330 | 0.331 | -0.3 | 80 | 0.00 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 0.339 | 0.357 | -5.3 | 87 | 0.00 |
| 47 | TP | Methyl cyclohexane | 0.354 | 0.342 | 3.4 | 80 | 0.00 |
| 48 | TP | Trichloroethene | 0.256 | 0.283 | -10.5 | 85 | 0.00 |
| 50 | TP | Dibromomethane | 0.148 | 0.154 | -4.1 | 84 | 0.00 |
| 51 | TC | 1,2-Dichloropropane | 0.251 | 0.265 | -5.6 | 89 | 0.00 |
| 54 | TP | Bromodichloromethane | 0.338 | 0.347 | -2.7 | 85 | 0.00 |
| 57 | TP | 1,4-Dioxane | 0.00137 | 0.00128# | 6.6 | 80 | 0.00 |
| 58 | TP | cis-1,3-Dichloropropene | 0.339 | 0.308 | 9.1 | 83 | 0.00 |
| 59 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 60 | S | Toluene-d8 | 1.165 | 1.161 | 0.3 | 78 | 0.00 |
| 61 | TC | Toluene | 0.672 | 0.705 | -4.9 | 83 | 0.00 |
| 62 | TP | 4-Methyl-2-pentanone | 0.052 | 0.048 | 7.7 | 79 | 0.00 |
| 63 | TP | Tetrachloroethene | 0.331 | 0.327 | 1.2 | 78 | 0.00 |
| 65 | TP | trans-1,3-Dichloropropene | * 10.000 | 9.193 | 8.1 | 89 | 0.00 |
| 67 | TP | Ethyl methacrylate | 0.193 | 0.178 | 7.8 | 82 | 0.00 |
| 68 | TP | 1,1,2-Trichloroethane | 0.171 | 0.178# | -4.1 | 85 | 0.00 |
| 69 | TP | Chlorodibromomethane | 0.286 | 0.258 | 9.8 | 77 | 0.00 |
| 70 | TP | 1,3-Dichloropropane | 0.353 | 0.361 | -2.3 | 85 | 0.00 |
| 71 | TP | 1,2-Dibromoethane | 0.222 | 0.213 | 4.1 | 80 | 0.00 |
| 72 | TP | 2-Hexanone | 0.094 | 0.089 | 5.3 | 82 | 0.00 |
| 73 | TP | Chlorobenzene | 0.848 | 0.857 | -1.1 | 82 | 0.00 |
| 74 | TC | Ethylbenzene | 1.264 | 1.308 | -3.5 | 83 | 0.00 |
| 75 | TP | 1,1,1,2-Tetrachloroethane | 0.298 | 0.289 | 3.0 | 82 | 0.00 |
| 76 | TP | p/m Xylene | 0.525 | 0.566 | -7.8 | 83 | 0.00 |
| 77 | TP | o Xylene | 0.511 | 0.532 | -4.1 | 80 | 0.00 |
| 78 | TP | Styrene | 0.843 | 0.930 | -10.3 | 81 | 0.00 |
| 79 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 80 | TP | Bromoform | 0.269 | 0.222 | 17.5 | 76 | 0.00 |
| 82 | TP | Isopropylbenzene | 2.208 | 2.290 | -3.7 | 83 | 0.00 |
| 83 | S | 4-Bromofluorobenzene | 0.745 | 0.716 | 3.9 | 75 | 0.00 |
| 84 | TP | Bromobenzene | 0.668 | 0.622 | 6.9 | 78 | 0.00 |
| 85 | TP | n-Propylbenzene | 2.645 | 2.843 | -7.5 | 85 | 0.00 |
| 86 | TP | 1,4-Dichlorobutane | 0.547 | 0.566 | -3.5 | 88 | 0.00 |
| 87 | TP | 1,1,2,2-Tetrachloroethane | 0.401 | 0.407 | -1.5 | 87 | 0.00 |
| 88 | TP | 4-Ethyltoluene | 2.285 | 2.389 | -4.6 | 84 | 0.00 |
| 89 | TP | 2-Chlorotoluene | 1.871 | 2.031 | -8.6 | 86 | 0.00 |
| 90 | TP | 1,3,5-Trimethylbenzene | 1.893 | 1.996 | -5.4 | 85 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
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 | 0.309 | 0.310 | -0.3 | 84 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.109 | 0.111 | -1.8 | 91 | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.678 | 1.746 | -4.1 | 83 | 0.00 |
| 94 TP | tert-Butylbenzene | 1.764 | 1.746 | 1.0 | 80 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 1.854 | 1.919 | -3.5 | 85 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.414 | 2.681 | -11.1 | 84 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.224 | 2.283 | -2.7 | 82 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.354 | 1.371 | -1.3 | 82 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 1.357 | 1.361 | -0.3 | 82 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.397 | 1.319 | 5.6 | 80 | 0.00 |
| 103 TP | n-Butylbenzene | 1.863 | 2.086 | -12.0 | 88 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 1.233 | 1.230 | 0.2 | 81 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.029 | 1.727 | 14.9 | 76 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.071 | 0.062 | 12.7 | 80 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 1.007 | 0.909 | 9.7 | 76 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.417 | 0.395 | 5.3 | 78 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.884 | 0.773 | 12.6 | 76 | 0.00 |
| 110 TP | Naphthalene | 1.577 | 1.332 | 15.5 | 76 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.811 | 0.719 | 11.3 | 73 | 0.00 |

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.562 | 96 | 247707 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 100.00% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 214822 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.008 | 152 | 130288 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 100.00% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.592 | 113 | 88057 | 9.767 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.67% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.221 | 65 | 81871 | 10.005 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.05% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 249382 | 9.965 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.65% | | | |
| 83) 4-Bromofluorobenzene | 9.342 | 95 | 93305 | 9.617 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.17% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 71736 | 13.702 | ug/L | 100 |
| 3) Chloromethane | 1.121 | 50 | 89687 | 12.903 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 75662 | 12.197 | ug/L | 96 |
| 5) Bromomethane | 1.378 | 94 | 34953 | 8.319 | ug/L | 96 |
| 6) Chloroethane | 1.467 | 64 | 52738 | 10.875 | ug/L | 98 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 106657 | 11.175 | ug/L | 96 |
| 8) Ethyl ether | 1.803 | 74 | 23063 | 9.568 | ug/L # | 77 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 60395 | 10.326 | ug/L # | 67 |
| 11) Carbon disulfide | 1.945 | 76 | 192250 | 10.778 | ug/L | 96 |
| 12) Freon-113 | 1.981 | 101 | 65824 | 10.963 | ug/L | 99 |
| 14) Acrolein | 2.212 | 56 | 8083 | 11.739 | ug/L | 92 |
| 15) Methylene chloride | 2.432 | 84 | 67589 | 10.101 | ug/L | 82 |
| 17) Acetone | 2.485 | 43 | 12184M6 | 9.448 | ug/L | |
| 18) trans-1,2-Dichloroethene | 2.579 | 96 | 65649 | 9.816 | ug/L | 79 |
| 19) Methyl acetate | 2.621 | 43 | 28302 | 9.653 | ug/L # | 92 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 95025 | 8.584 | ug/L | 95 |
| 21) tert-Butyl alcohol | 2.873 | 59 | 15405 | 46.235 | ug/L # | 56 |
| 22) Diisopropyl ether | 3.166 | 45 | 170042 | 9.331 | ug/L # | 85 |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 124218 | 10.325 | ug/L | 98 |
| 24) Halothane | 3.381 | 117 | 49843 | 9.254 | ug/L | 97 |
| 25) Acrylonitrile | 3.292 | 53 | 15365 | 9.612 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.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 | 3.622 | 59 | 135443 | 8.334 | ug/L | | 91 |
| 27) Vinyl acetate | 3.612 | 43 | 91745 | 9.626 | ug/L | # | 96 |
| 28) cis-1,2-Dichloroethene | 3.926 | 96 | 73670 | 10.108 | ug/L | # | 70 |
| 29) 2,2-Dichloropropane | 4.068 | 77 | 92067 | 11.338 | ug/L | | 89 |
| 30) Bromochloromethane | 4.204 | 128 | 38780 | 9.909 | ug/L | # | 60 |
| 31) Cyclohexane | 4.178 | 56 | 100189 | 10.992 | ug/L | | 73 |
| 32) Chloroform | 4.356 | 83 | 130667 | 10.880 | ug/L | | 99 |
| 33) Ethyl acetate | 4.603 | 43 | 33488 | 10.455 | ug/L | # | 95 |
| 34) Carbon tetrachloride | 4.482 | 117 | 96037 | 11.369 | ug/L | | 99 |
| 35) Tetrahydrofuran | 4.550 | 42 | 8112M6 | 9.180 | ug/L | | |
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 106637 | 11.077 | ug/L | # | 96 |
| 39) 2-Butanone | 4.781 | 43 | 16591 | 10.517 | ug/L | # | 90 |
| 40) 1,1-Dichloropropene | 4.750 | 75 | 70953 | 10.093 | ug/L | | 91 |
| 41) Benzene | 5.048 | 78 | 241127 | 11.022 | ug/L | | 92 |
| 42) tert-Amyl methyl ether | 5.284 | 73 | 94773 | 8.377 | ug/L | | 92 |
| 44) 1,2-Dichloroethane | 5.300 | 62 | 88538 | 10.531 | ug/L | | 98 |
| 47) Methyl cyclohexane | 5.730 | 83 | 84768 | 9.660 | ug/L | | 82 |
| 48) Trichloroethene | 5.756 | 95 | 70029 | 11.023 | ug/L | | 90 |
| 50) Dibromomethane | 6.197 | 93 | 38225 | 10.425 | ug/L | | 94 |
| 51) 1,2-Dichloropropane | 6.307 | 63 | 65621 | 10.575 | ug/L | | 97 |
| 54) Bromodichloromethane | 6.412 | 83 | 85854 | 10.253 | ug/L | | 99 |
| 57) 1,4-Dioxane | 6.637 | 88 | 15872 | 466.333 | ug/L | # | 81 |
| 58) cis-1,3-Dichloropropene | 7.067 | 75 | 76365 | 9.092 | ug/L | | 96 |
| 61) Toluene | 7.298 | 92 | 151353 | 10.477 | ug/L | | 99 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 10208 | 9.109 | ug/L | # | 79 |
| 63) Tetrachloroethene | 7.654 | 166 | 70331 | 9.895 | ug/L | | 90 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 64341 | 9.193 | ug/L | | 99 |
| 67) Ethyl methacrylate | 7.901 | 69 | 38286 | 9.216 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.838 | 83 | 38205 | 10.423 | ug/L | | 95 |
| 69) Chlorodibromomethane | 7.974 | 129 | 55344 | 9.006 | ug/L | | 97 |
| 70) 1,3-Dichloropropane | 8.047 | 76 | 77485 | 10.218 | ug/L | | 100 |
| 71) 1,2-Dibromoethane | 8.131 | 107 | 45655 | 9.572 | ug/L | | 99 |
| 72) 2-Hexanone | 8.367 | 43 | 19047 | 9.476 | ug/L | # | 93 |
| 73) Chlorobenzene | 8.540 | 112 | 184014 | 10.100 | ug/L | # | 86 |
| 74) Ethylbenzene | 8.582 | 91 | 280980 | 10.352 | ug/L | | 97 |
| 75) 1,1,1,2-Tetrachloroethane | 8.598 | 131 | 62147 | 9.695 | ug/L | | 95 |
| 76) p/m Xylene | 8.687 | 106 | 243149 | 21.541 | ug/L | | 91 |
| 77) o Xylene | 8.970 | 106 | 228659 | 20.817 | ug/L | | 88 |
| 78) Styrene | 9.007 | 104 | 399622 | 22.061 | ug/L | # | 85 |
| 80) Bromoform | 9.007 | 173 | 28967 | 8.277 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 82) | Isopropylbenzene | 9.180 | 105 | 298371 | 10.372 | ug/L | | 93 |
| 84) | Bromobenzene | 9.400 | 156 | 81069 | 9.310 | ug/L | | 100 |
| 85) | n-Propylbenzene | 9.437 | 91 | 370402 | 10.750 | ug/L | | 94 |
| 86) | 1,4-Dichlorobutane | 9.437 | 55 | 73761 | 10.357 | ug/L | | 95 |
| 87) | 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 53047 | 10.160 | ug/L | | 97 |
| 88) | 4-Ethyltoluene | 9.505 | 105 | 311271 | 10.455 | ug/L | | 93 |
| 89) | 2-Chlorotoluene | 9.521 | 91 | 264667 | 10.855 | ug/L | # | 87 |
| 90) | 1,3,5-Trimethylbenzene | 9.563 | 105 | 260073 | 10.544 | ug/L | # | 86 |
| 91) | 1,2,3-Trichloropropane | 9.552 | 75 | 40371 | 10.042 | ug/L | | 97 |
| 92) | trans-1,4-Dichloro-2-b... | 9.584 | 53 | 14463 | 10.191 | ug/L | | 97 |
| 93) | 4-Chlorotoluene | 9.620 | 91 | 227429M3 | 10.405 | ug/L | | |
| 94) | tert-Butylbenzene | 9.746 | 119 | 227541 | 9.902 | ug/L | | 95 |
| 97) | 1,2,4-Trimethylbenzene | 9.788 | 105 | 250063 | 10.355 | ug/L | | 89 |
| 98) | sec-Butylbenzene | 9.851 | 105 | 349290 | 11.104 | ug/L | | 94 |
| 99) | p-Isopropyltoluene | 9.940 | 119 | 297501 | 10.268 | ug/L | | 93 |
| 100) | 1,3-Dichlorobenzene | 9.966 | 146 | 178579 | 10.120 | ug/L | | 96 |
| 101) | 1,4-Dichlorobenzene | 10.019 | 146 | 177321 | 10.029 | ug/L | | 96 |
| 102) | p-Diethylbenzene | 10.145 | 119 | 171853 | 9.441 | ug/L | | 92 |
| 103) | n-Butylbenzene | 10.176 | 91 | 271772 | 11.195 | ug/L | | 98 |
| 104) | 1,2-Dichlorobenzene | 10.260 | 146 | 160309 | 9.976 | ug/L | | 95 |
| 105) | 1,2,4,5-Tetramethylben... | 10.601 | 119 | 225022 | 8.513 | ug/L | | 95 |
| 106) | 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 8056 | 8.689 | ug/L | | 94 |
| 107) | 1,3,5-Trichlorobenzene | 10.732 | 180 | 118418 | 9.026 | ug/L | | 94 |
| 108) | Hexachlorobutadiene | 11.078 | 225 | 51478 | 9.468 | ug/L | | 95 |
| 109) | 1,2,4-Trichlorobenzene | 11.088 | 180 | 100675 | 8.739 | ug/L | | 97 |
| 110) | Naphthalene | 11.267 | 128 | 173539 | 8.447 | ug/L | | 100 |
| 111) | 1,2,3-Trichlorobenzene | 11.366 | 180 | 93620 | 8.856 | ug/L | | 98 |

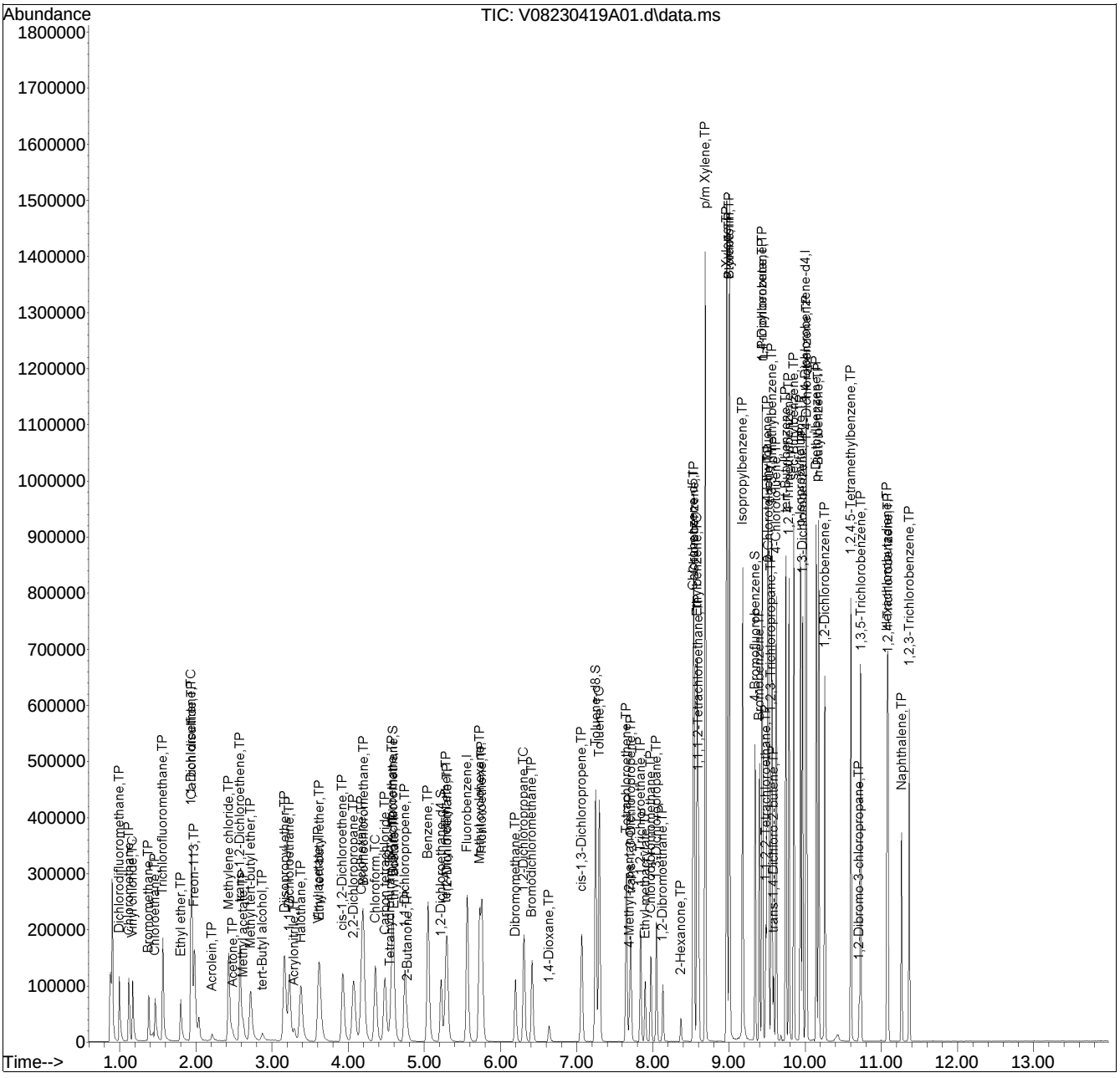
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-2
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

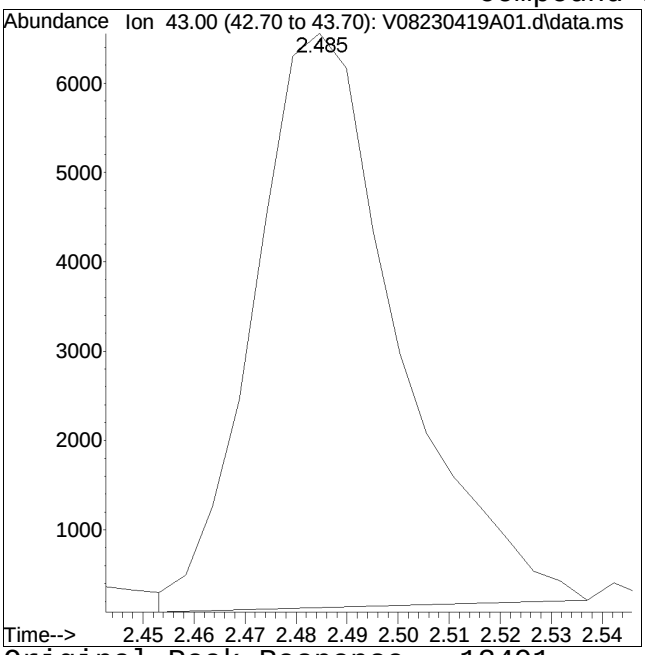
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



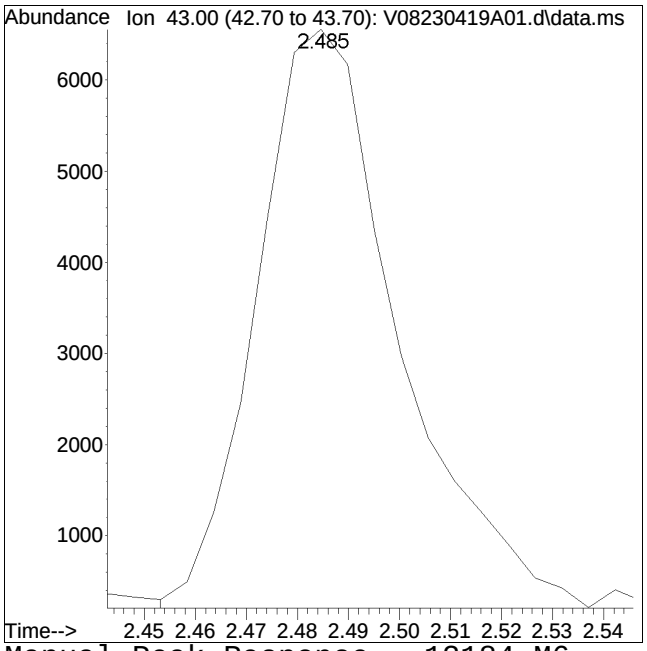
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230419A01.d Operator : VOA108:PID
Date Inj'd : 4/19/2023 8:18 am Instrument : VOA 108
Sample : WG1769022-2 Quant Date : 4/19/2023 8:35 am

Compound #17: Acetone




Original Peak Response = 12491




Manual Peak Response = 12184 M6

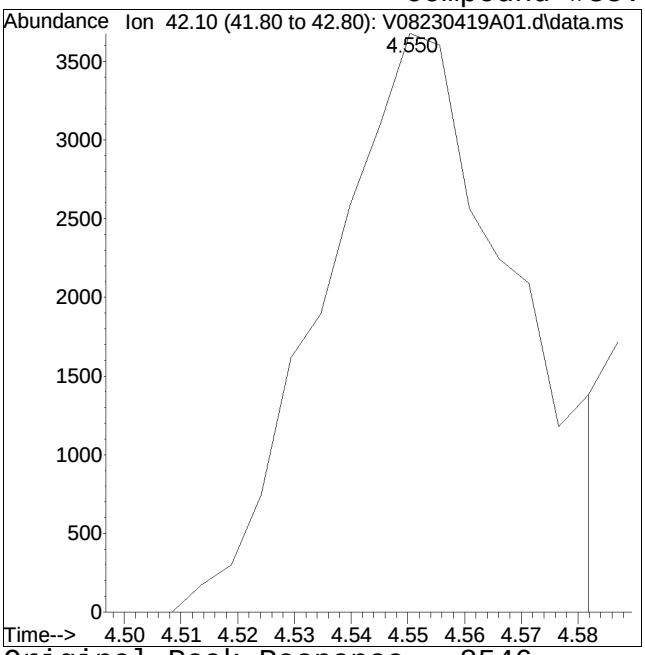
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

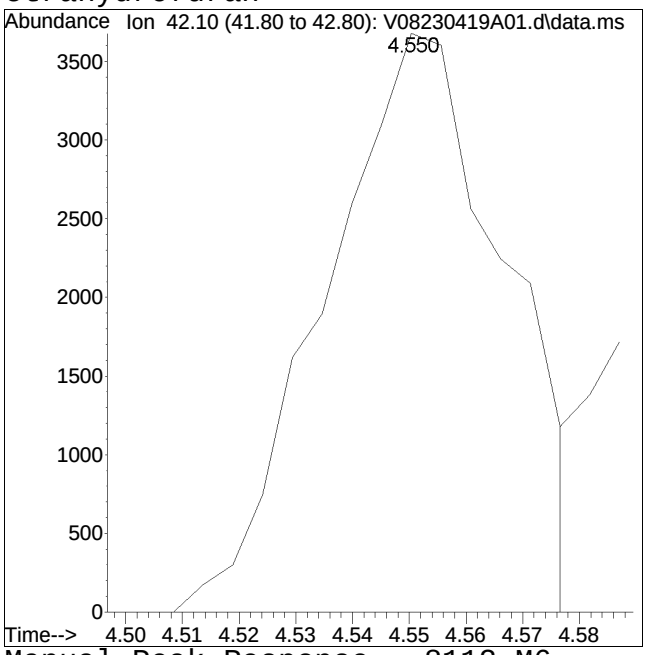
Data Path : I:\VOLATILES\VOA108\2023\2
Data File : V08230419A01.d
Date Inj'd : 4/19/2023 8:18 am
Sample : WG1769022-2

Method : V108_230405N_8260.m
Operator : VOA108:PID
Instrument : VOA 108
Quant Date : 4/19/2023 8:35 am

Compound #35: Tetrahydrofuran




Original Peak Response = 8546



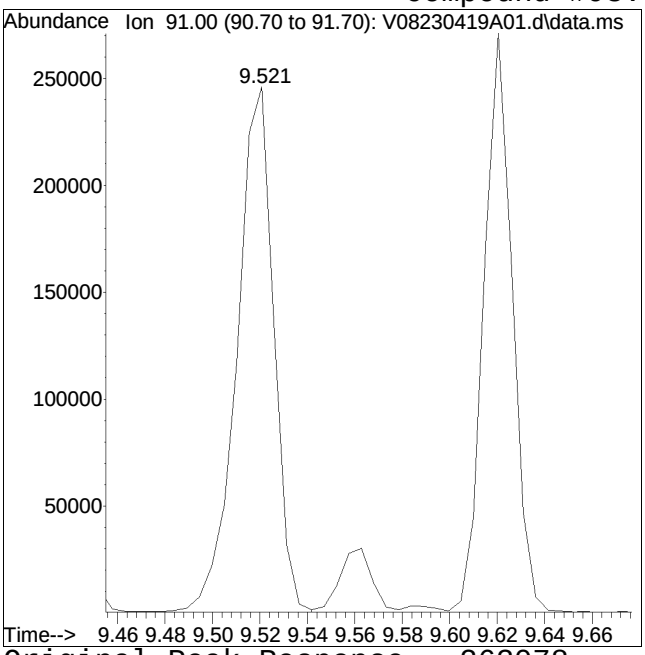

Manual Peak Response = 8112 M6

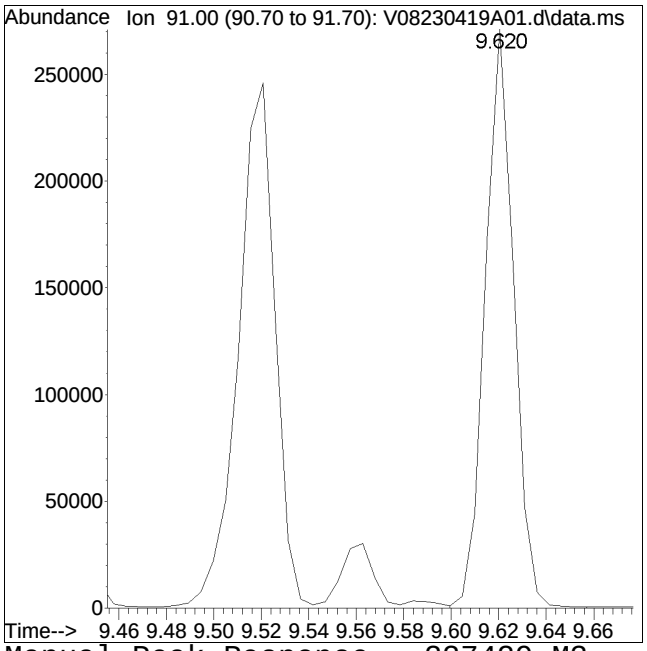
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230419A01.d Operator : VOA108:PID
Date Inj'd : 4/19/2023 8:18 am Instrument : VOA 108
Sample : WG1769022-2 Quant Date : 4/19/2023 8:35 am

Compound #93: 4-Chlorotoluene



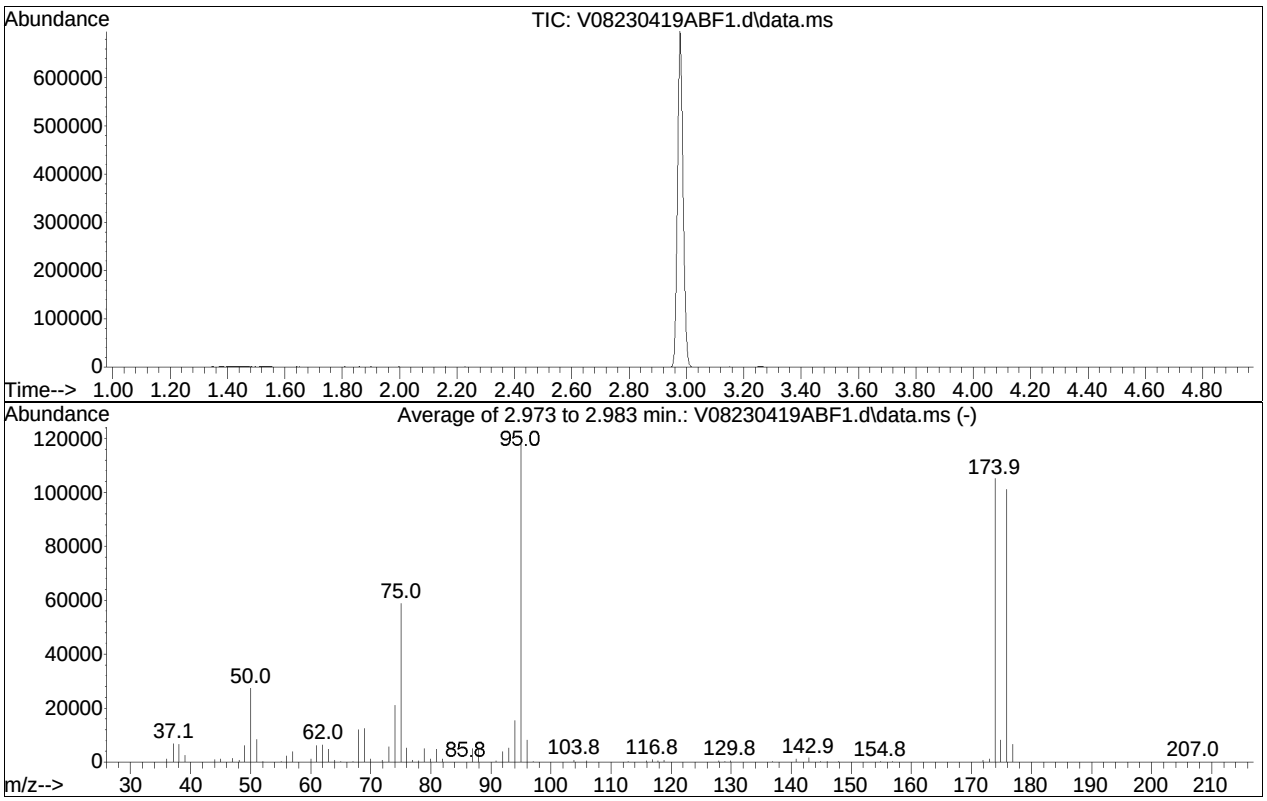

Original Peak Response = 263078 Manual Peak Response = 227429 M3

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

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419ABF1.d
Acq On : 19 Apr 2023 8:03 am
Operator : VOA108:PID
Sample : WG1769022-1
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Apr 06 12:25:06 2023




Spectrum Information: Average of 2.973 to 2.983 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 23.1 | 27379 | PASS |
| 75 | 95 | 30 | 60 | 49.7 | 58869 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 118480 | PASS |
| 96 | 95 | 5 | 9 | 6.9 | 8201 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 1285 | PASS |
| 174 | 95 | 50 | 100 | 88.9 | 105277 | PASS |
| 175 | 174 | 5 | 9 | 7.9 | 8297 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 101229 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 6630 | PASS |

# Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A05.d
Acq On : 19 Apr 2023 9:41 am
Operator : VOA108:PID
Sample : WG1769022-5,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 10:01:07 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 202464 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 81.74% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 182084 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 84.76% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.008 | 152 | 97914 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 75.15% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 82469 | 11.191 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 111.91% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 75632 | 11.308 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 113.08% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 207746 | 9.794 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.94% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 74751 | 10.253 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 102.53% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.000 | | 0 | N.D. | d | |
| 3) Chloromethane | 1.122 | 50 | 120 | N.D. | | |
| 4) Vinyl chloride | 0.000 | | 0 | N.D. | | |
| 5) Bromomethane | 1.405 | 94 | 54 | N.D. | | |
| 6) Chloroethane | 0.000 | | 0 | N.D. | | |
| 7) Trichlorofluoromethane | 0.000 | | 0 | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 11) Carbon disulfide | 1.950 | 76 | 743 | N.D. | | |
| 12) Freon-113 | 0.000 | | 0 | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 2.652 | 96 | 48 | N.D. | | |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 28) cis-1,2-Dichloroethene | 0.000 | | 0 | N.D. | | |
| 30) Bromochloromethane | 0.000 | | 0 | N.D. | | |
| 31) Cyclohexane | 0.000 | | 0 | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A05.d
Acq On : 19 Apr 2023 9:41 am
Operator : VOA108:PID
Sample : WG1769022-5,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 10:01:07 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) | 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 39) | 2-Butanone | 0.000 | | 0 | N.D. | | |
| 41) | Benzene | 0.000 | | 0 | N.D. | | |
| 44) | 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | |
| 47) | Methyl cyclohexane | 0.000 | | 0 | N.D. | | |
| 48) | Trichloroethene | 0.000 | | 0 | N.D. | | |
| 51) | 1,2-Dichloropropane | 0.000 | | 0 | N.D. | | |
| 54) | Bromodichloromethane | 0.000 | | 0 | N.D. | | |
| 57) | 1,4-Dioxane | 0.000 | | 0 | N.D. | | |
| 58) | cis-1,3-Dichloropropene | 0.000 | | 0 | N.D. | | |
| 61) | Toluene | 0.000 | | 0 | N.D. | | |
| 62) | 4-Methyl-2-pentanone | 0.000 | | 0 | N.D. | | |
| 63) | Tetrachloroethene | 0.000 | | 0 | N.D. | | |
| 65) | trans-1,3-Dichloropropene | 0.000 | | 0 | N.D. d | | |
| 68) | 1,1,2-Trichloroethane | 0.000 | | 0 | N.D. | | |
| 69) | Chlorodibromomethane | 0.000 | | 0 | N.D. | | |
| 71) | 1,2-Dibromoethane | 0.000 | | 0 | N.D. | | |
| 72) | 2-Hexanone | 0.000 | | 0 | N.D. d | | |
| 73) | Chlorobenzene | 8.546 | 112 | 442 | N.D. | | |
| 74) | Ethylbenzene | 8.582 | 91 | 412 | N.D. | | |
| 76) | p/m Xylene | 8.698 | 106 | 390 | N.D. | | |
| 77) | o Xylene | 0.000 | | 0 | N.D. | | |
| 78) | Styrene | 9.012 | 104 | 515 | N.D. | | |
| 80) | Bromoform | 0.000 | | 0 | N.D. | | |
| 82) | Isopropylbenzene | 9.180 | 105 | 222 | N.D. | | |
| 87) | 1,1,2,2-Tetrachloroethane | 0.000 | | 0 | N.D. | | |
| 100) | 1,3-Dichlorobenzene | 9.967 | 146 | 838 | N.D. | | |
| 101) | 1,4-Dichlorobenzene | 10.019 | 146 | 944 | 0.071 | ug/L # | 1 |
| 104) | 1,2-Dichlorobenzene | 10.260 | 146 | 728 | N.D. | | |
| 106) | 1,2-Dibromo-3-chloropr... | 0.000 | | 0 | N.D. | | |
| 109) | 1,2,4-Trichlorobenzene | 11.089 | 180 | 744 | 0.086 | ug/L # | 94 |
| 111) | 1,2,3-Trichlorobenzene | 11.366 | 180 | 561 | 0.071 | ug/L # | 78 |

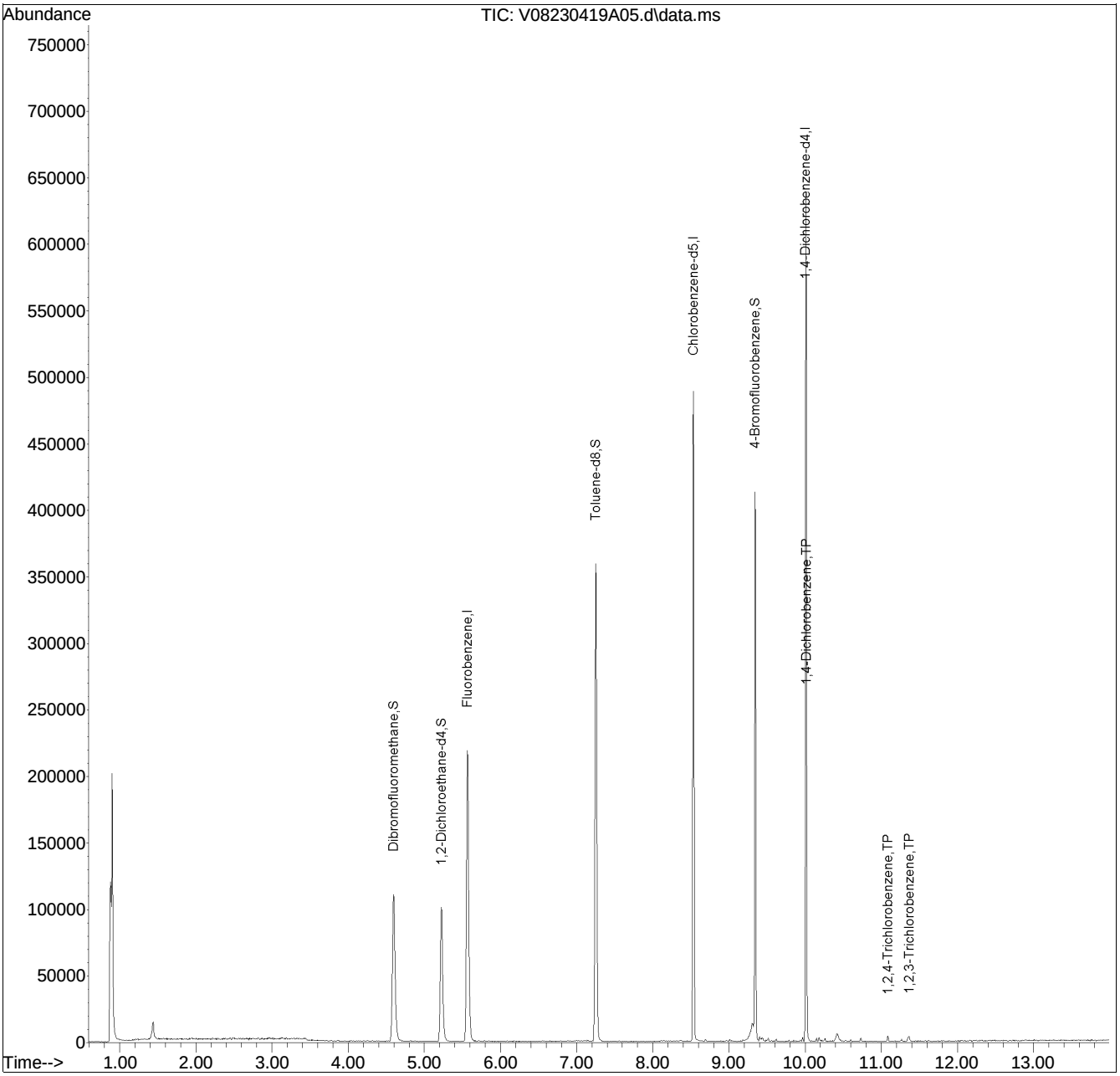
(#) = qualifier out of range (m) = manual integration (+) = signals summed

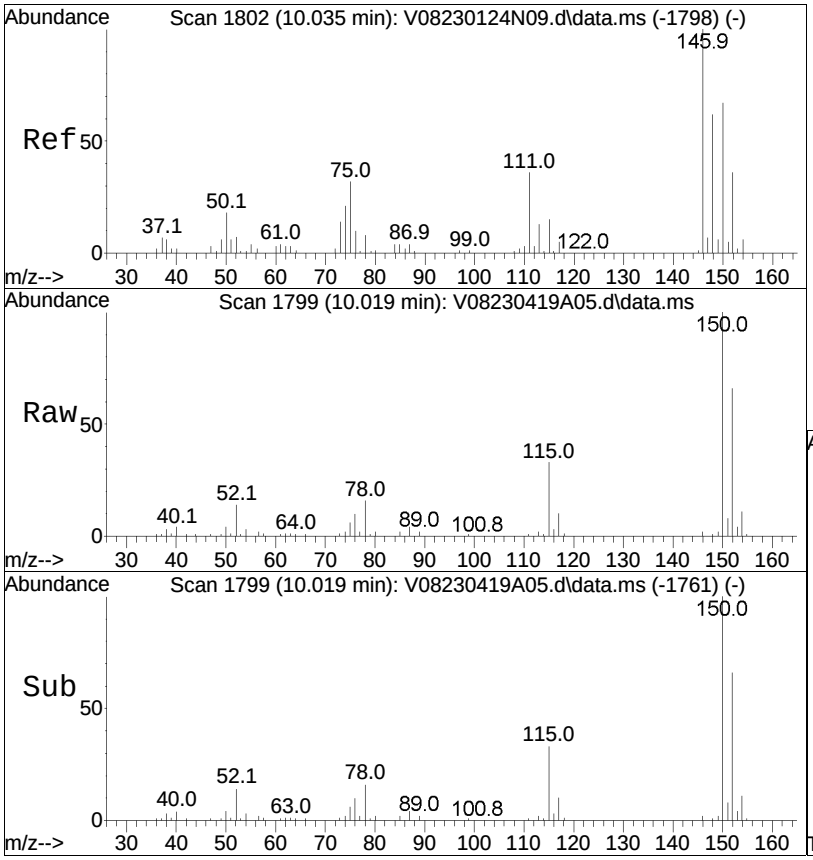
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A05.d
Acq On : 19 Apr 2023 9:41 am
Operator : VOA108:PID
Sample : WG1769022-5,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 10:01:07 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

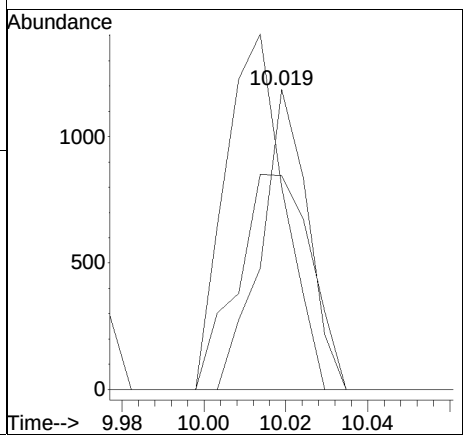


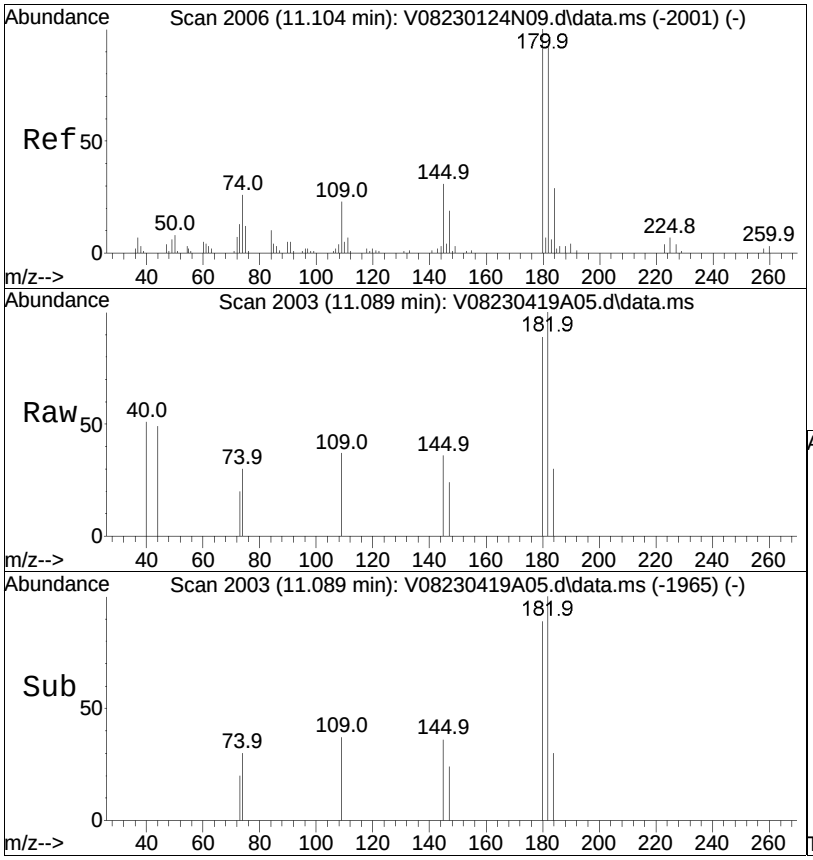



#101
1,4-Dichlorobenzene
Concen: 0.07 ug/L
RT: 10.019 min Scan# 1799
Delta R.T. -0.000 min
Lab File: V08230419A05.d
Acq: 19 Apr 2023 9:41 am

Tgt Ion:146 Resp: 944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 148.6 | 32.3 | 48.5# |
| 148 | 112.2 | 49.9 | 74.9# |

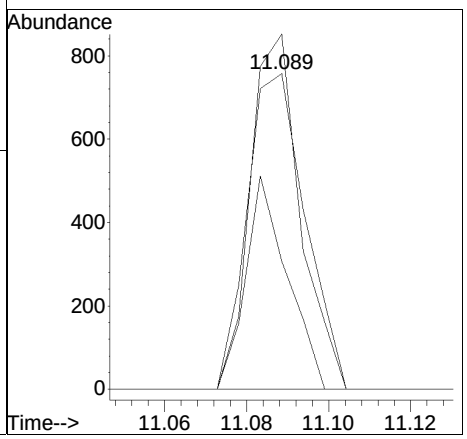


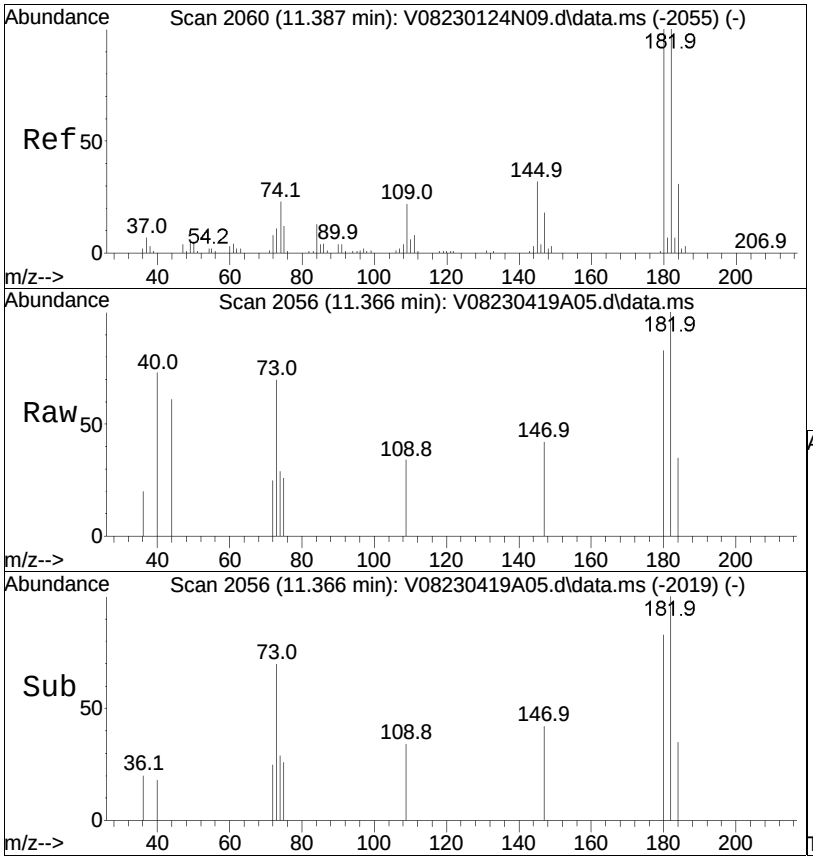



#109
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 11.089 min Scan# 2003
Delta R.T. -0.000 min
Lab File: V08230419A05.d
Acq: 19 Apr 2023 9:41 am

Tgt Ion:180 Resp: 744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 77.3 | 115.9 |
| 145 | 48.4 | 28.1 | 42.1# |

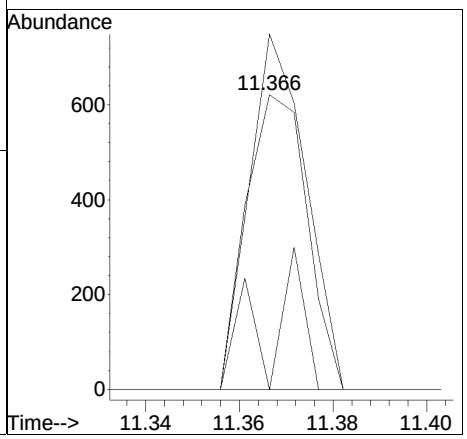





#111
1,2,3-Trichlorobenzene
Concen: 0.07 ug/L
RT: 11.366 min Scan# 2056
Delta R.T. -0.006 min
Lab File: V08230419A05.d
Acq: 19 Apr 2023 9:41 am

Tgt Ion:180 Resp: 561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 112.1 | 76.4 | 114.6 |
| 145 | 13.2 | 26.4 | 39.6# |



Manual Integration Report

| | | | |
|---|---|---|---|
| Data Path | : I:\VOLATILES\VOA108\2023\2 | QMethod | : V108_230405N_8260.m |
| Data File | : V08230419A05.d | Operator | : VOA108:PID |
| Date Inj'd | : 4/19/2023 9:41 am | Instrument | : VOA 108 |
| Sample | : WG1769022-5,31,10,10 | Quant Date | : 4/19/2023 10:00 am |

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-3,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.562 | 96 | 247707 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 100.00% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 214822 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.008 | 152 | 130288 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 100.00% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.592 | 113 | 88057 | 9.767 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.67% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.221 | 65 | 81871 | 10.005 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.05% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 249382 | 9.965 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.65% | | | |
| 83) 4-Bromofluorobenzene | 9.342 | 95 | 93305 | 9.617 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.17% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 71736 | 13.702 | ug/L | 100 |
| 3) Chloromethane | 1.121 | 50 | 89687 | 12.903 | ug/L | 100 |
| 4) Vinyl chloride | 1.169 | 62 | 75662 | 12.197 | ug/L | 96 |
| 5) Bromomethane | 1.378 | 94 | 34953 | 8.319 | ug/L | 96 |
| 6) Chloroethane | 1.467 | 64 | 52738 | 10.875 | ug/L | 98 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 106657 | 11.175 | ug/L | 96 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 60395 | 10.326 | ug/L # | 67 |
| 11) Carbon disulfide | 1.945 | 76 | 192250 | 10.778 | ug/L | 96 |
| 12) Freon-113 | 1.981 | 101 | 65824 | 10.963 | ug/L | 99 |
| 15) Methylene chloride | 2.432 | 84 | 67589 | 10.101 | ug/L | 82 |
| 17) Acetone | 2.485 | 43 | 12184M6 | 9.448 | ug/L | |
| 18) trans-1,2-Dichloroethene | 2.579 | 96 | 65649 | 9.816 | ug/L | 79 |
| 19) Methyl acetate | 2.621 | 43 | 28302 | 9.653 | ug/L # | 92 |
| 20) Methyl tert-butyl ether | 2.721 | 73 | 95025 | 8.584 | ug/L | 95 |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 124218 | 10.325 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.926 | 96 | 73670 | 10.108 | ug/L # | 70 |
| 30) Bromochloromethane | 4.204 | 128 | 38780 | 9.909 | ug/L # | 60 |
| 31) Cyclohexane | 4.178 | 56 | 100189 | 10.992 | ug/L | 73 |
| 32) Chloroform | 4.356 | 83 | 130667 | 10.880 | ug/L | 99 |
| 34) Carbon tetrachloride | 4.482 | 117 | 96037 | 11.369 | ug/L | 99 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-3,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 106637 | 11.077 | ug/L | # | 96 |
| 39) 2-Butanone | 4.781 | 43 | 16591 | 10.517 | ug/L | # | 90 |
| 41) Benzene | 5.048 | 78 | 241127 | 11.022 | ug/L | | 92 |
| 44) 1,2-Dichloroethane | 5.300 | 62 | 88538 | 10.531 | ug/L | | 98 |
| 47) Methyl cyclohexane | 5.730 | 83 | 84768 | 9.660 | ug/L | | 82 |
| 48) Trichloroethene | 5.756 | 95 | 70029 | 11.023 | ug/L | | 90 |
| 51) 1,2-Dichloropropane | 6.307 | 63 | 65621 | 10.575 | ug/L | | 97 |
| 54) Bromodichloromethane | 6.412 | 83 | 85854 | 10.253 | ug/L | | 99 |
| 57) 1,4-Dioxane | 6.637 | 88 | 15872 | 466.333 | ug/L | # | 81 |
| 58) cis-1,3-Dichloropropene | 7.067 | 75 | 76365 | 9.092 | ug/L | | 96 |
| 61) Toluene | 7.298 | 92 | 151353 | 10.477 | ug/L | | 99 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 10208 | 9.109 | ug/L | # | 79 |
| 63) Tetrachloroethene | 7.654 | 166 | 70331 | 9.895 | ug/L | | 90 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 64341 | 9.193 | ug/L | | 99 |
| 68) 1,1,2-Trichloroethane | 7.838 | 83 | 38205 | 10.423 | ug/L | | 95 |
| 69) Chlorodibromomethane | 7.974 | 129 | 55344 | 9.006 | ug/L | | 97 |
| 71) 1,2-Dibromoethane | 8.131 | 107 | 45655 | 9.572 | ug/L | | 99 |
| 72) 2-Hexanone | 8.367 | 43 | 19047 | 9.476 | ug/L | # | 93 |
| 73) Chlorobenzene | 8.540 | 112 | 184014 | 10.100 | ug/L | # | 86 |
| 74) Ethylbenzene | 8.582 | 91 | 280980 | 10.352 | ug/L | | 97 |
| 76) p/m Xylene | 8.687 | 106 | 243149 | 21.541 | ug/L | | 91 |
| 77) o Xylene | 8.970 | 106 | 228659 | 20.817 | ug/L | | 88 |
| 78) Styrene | 9.007 | 104 | 399622 | 22.061 | ug/L | # | 85 |
| 80) Bromoform | 9.007 | 173 | 28967 | 8.277 | ug/L | | 98 |
| 82) Isopropylbenzene | 9.180 | 105 | 298371 | 10.372 | ug/L | | 93 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 53047 | 10.160 | ug/L | | 97 |
| 100) 1,3-Dichlorobenzene | 9.966 | 146 | 178579 | 10.120 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 177321 | 10.029 | ug/L | | 96 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 160309 | 9.976 | ug/L | | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 8056 | 8.689 | ug/L | | 94 |
| 109) 1,2,4-Trichlorobenzene | 11.088 | 180 | 100675 | 8.739 | ug/L | | 97 |
| 111) 1,2,3-Trichlorobenzene | 11.366 | 180 | 93620 | 8.856 | ug/L | | 98 |

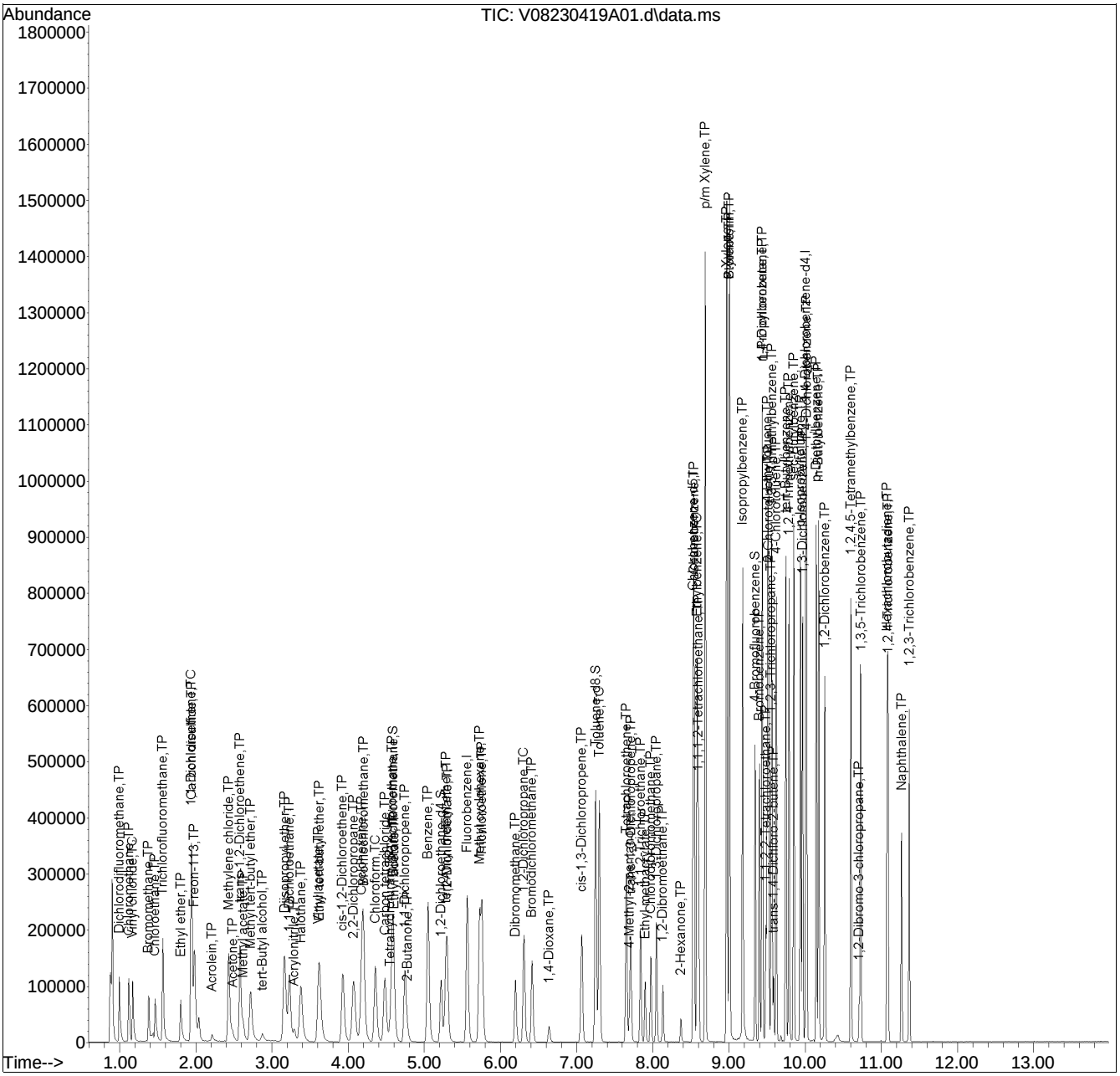
(#) = qualifier out of range (m) = manual integration (+) = signals summed

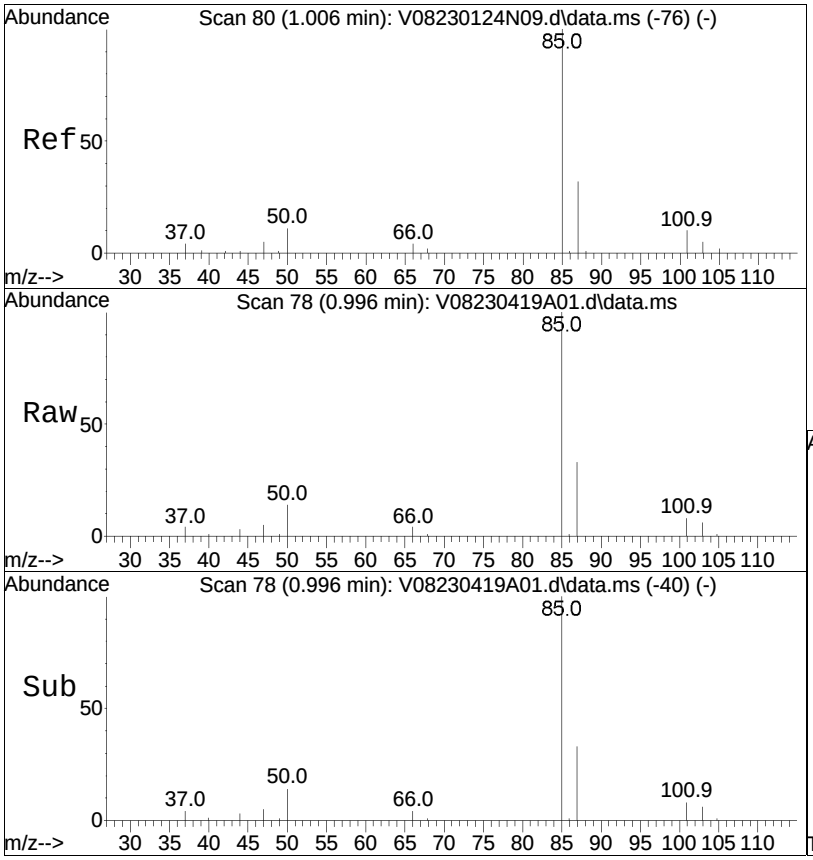
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A01.d
Acq On : 19 Apr 2023 8:18 am
Operator : VOA108:PID
Sample : WG1769022-3,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 08:36:50 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

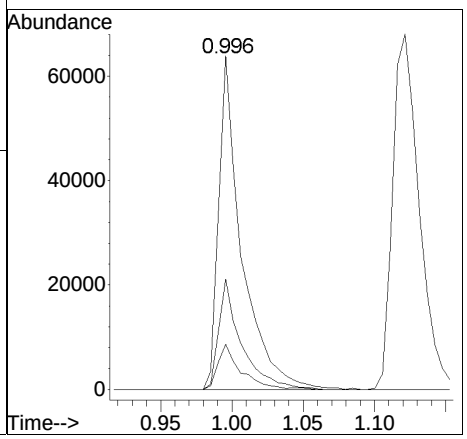


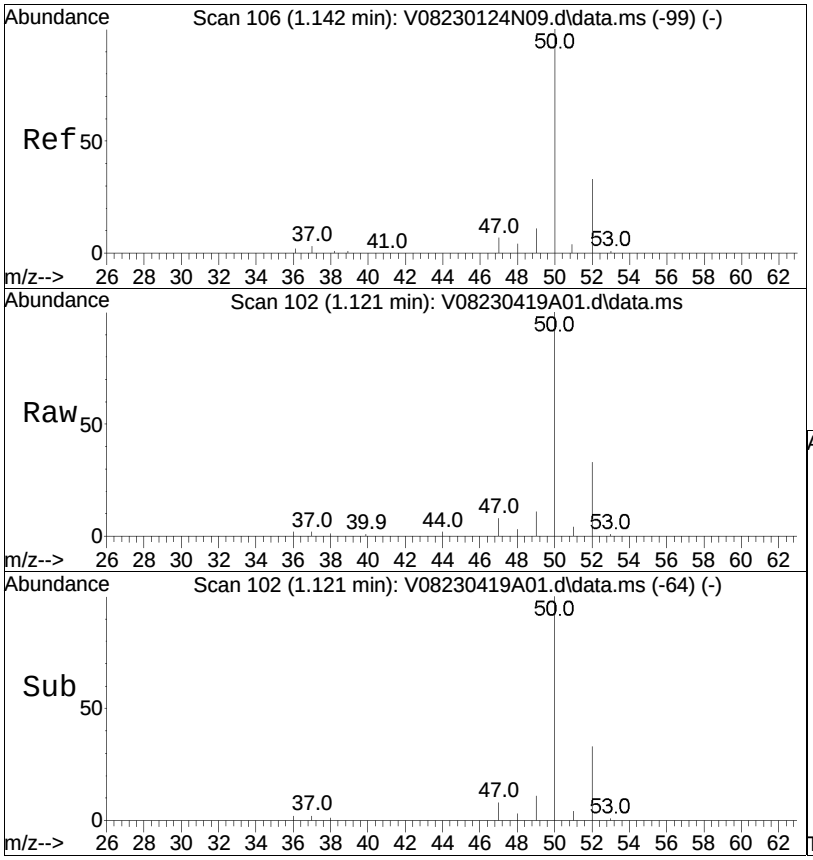



#2
Dichlorodifluoromethane
Concen: 13.70 ug/L
RT: 0.996 min Scan# 78
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 85 Resp: 71736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 21.0 | 43.6 |
| 50 | 13.6 | 8.9 | 18.5 |

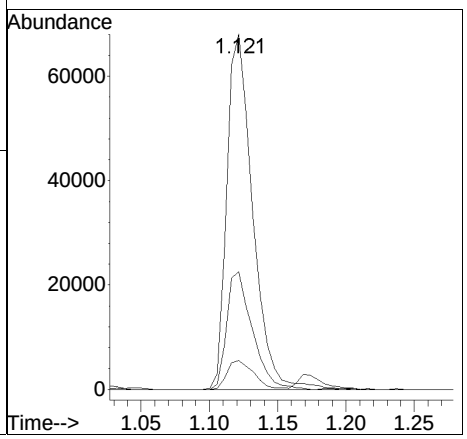


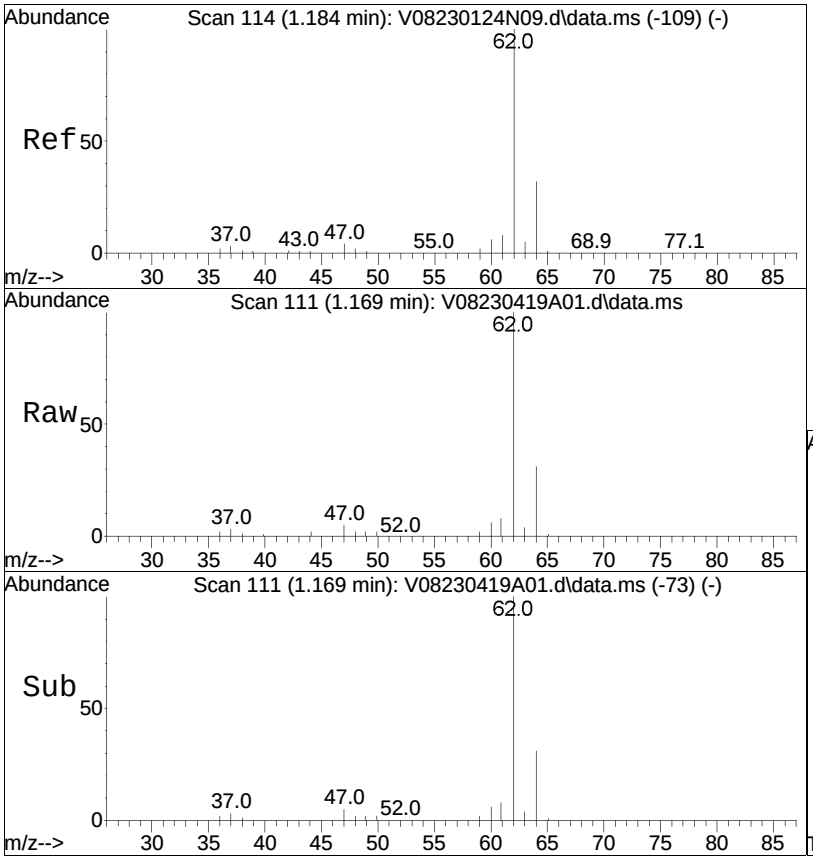



#3
Chloromethane
Concen: 12.90 ug/L
RT: 1.121 min Scan# 102
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 50 Resp: 89687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 12.9 | 52.9 |
| 47 | 8.3 | 0.0 | 28.3 |

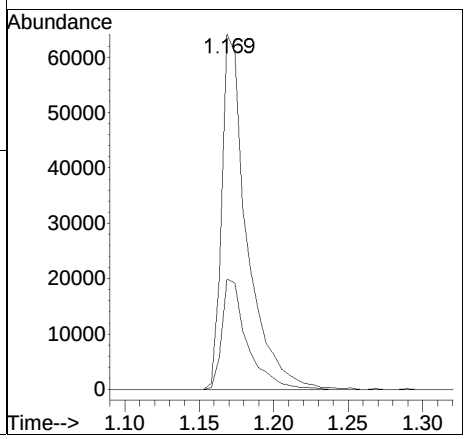


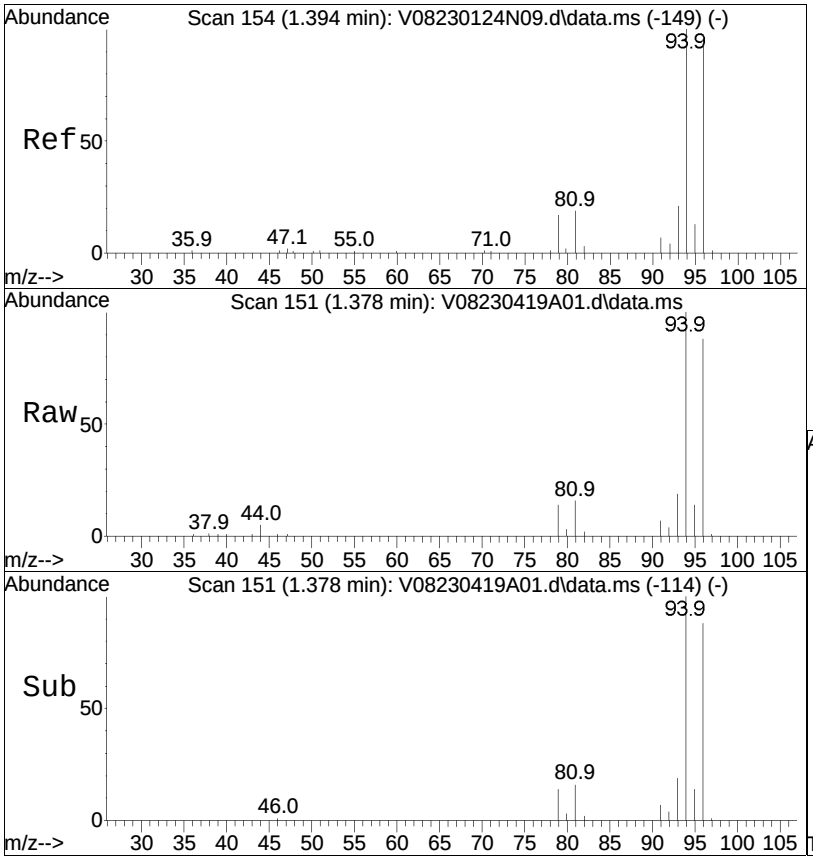



#4
Vinyl chloride
Concen:  12.20 ug/L
RT:  1.169 min  Scan# 111
Delta R.T.  -0.000 min
Lab File:  V08230419A01.d
Acq: 19 Apr 2023  8:18 am

Tgt Ion: 62 Resp:  75662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.0 | 9.1 | 49.1 |

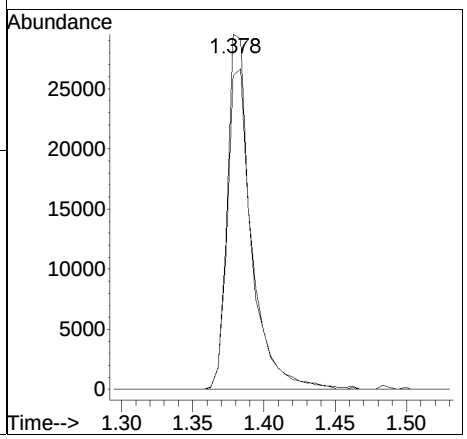


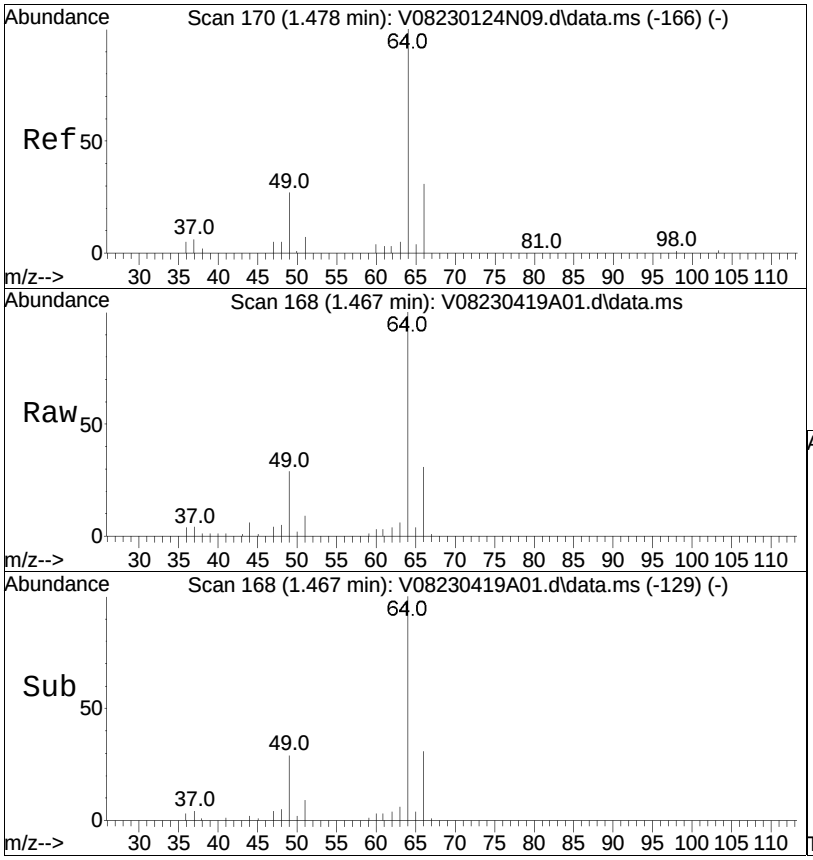



#5
Bromomethane
Concen: 8.32 ug/L
RT: 1.378 min Scan# 151
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 94 Resp: 34953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 75.6 | 115.6 |

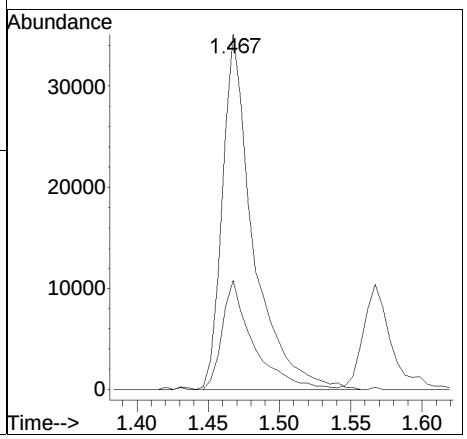


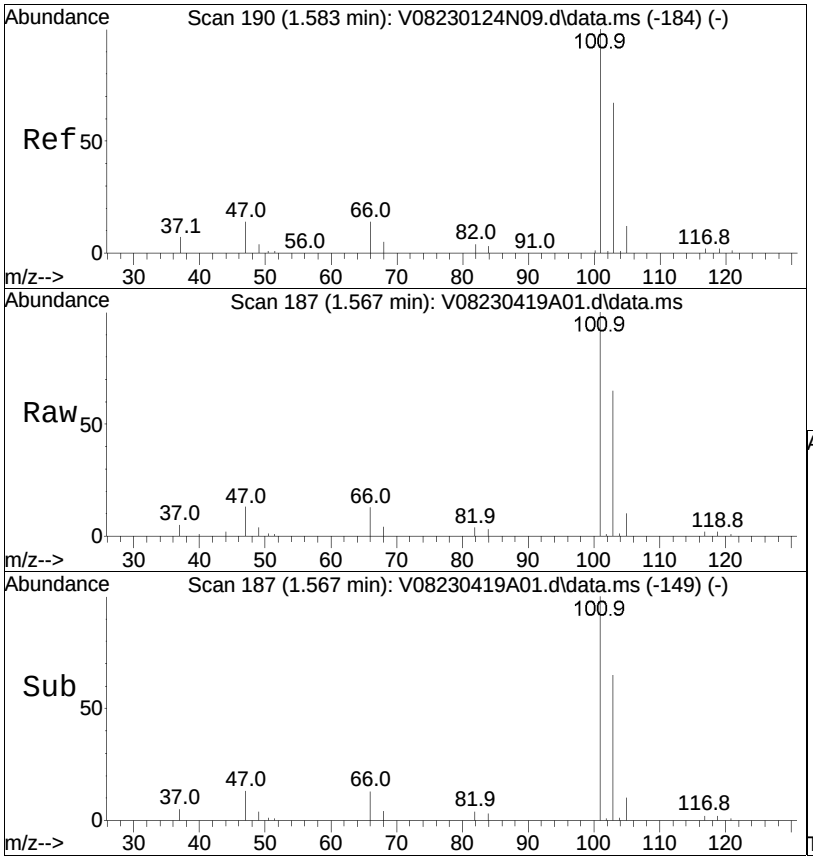



#6
Chloroethane
Concen: 10.88 ug/L
RT: 1.467 min Scan# 168
Delta R.T. 0.005 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 64 Resp: 52738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.1 | 9.8 | 49.8 |

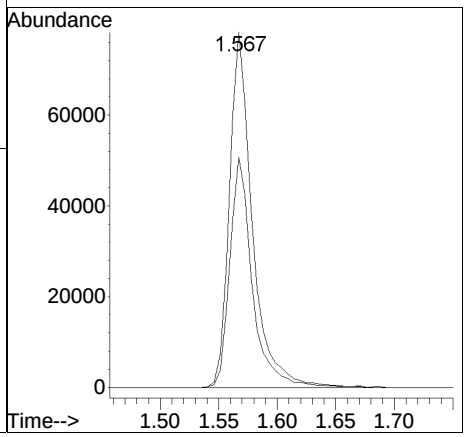


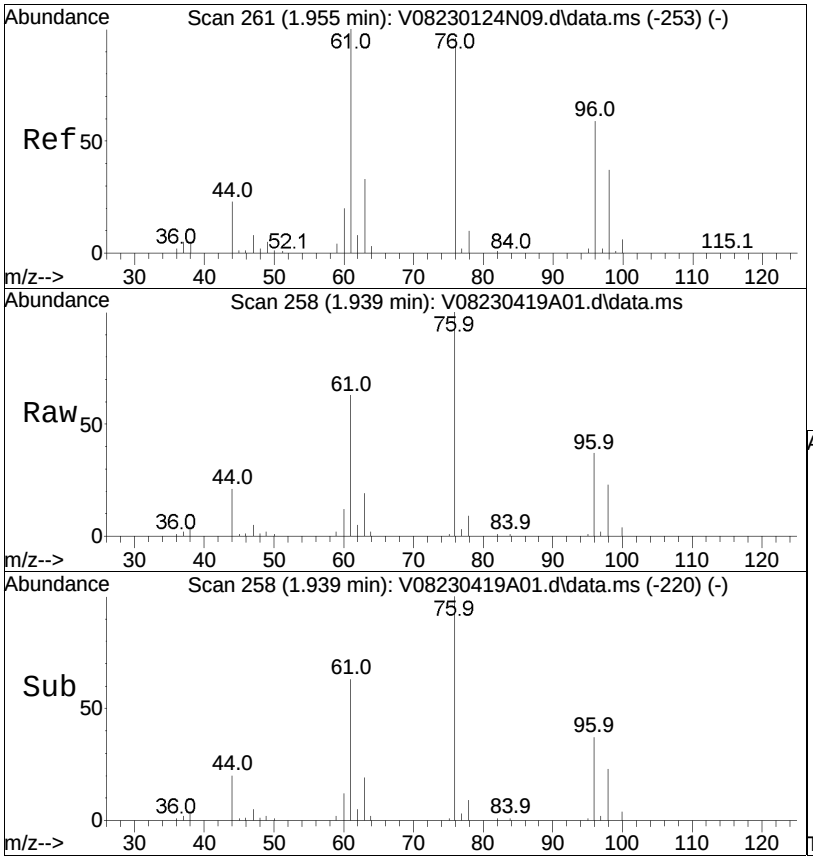



#7
Trichlorofluoromethane
Concen: 11.17 ug/L
RT: 1.567 min Scan# 187
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:101 Resp: 106657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 53.8 | 80.6 |

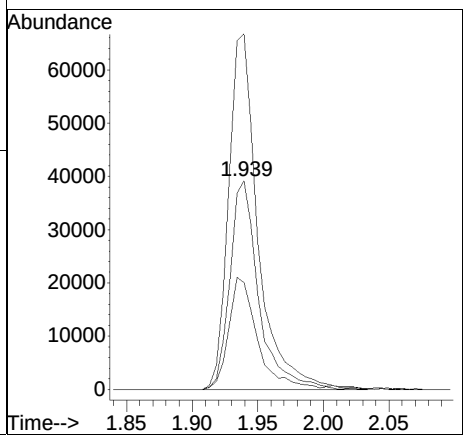


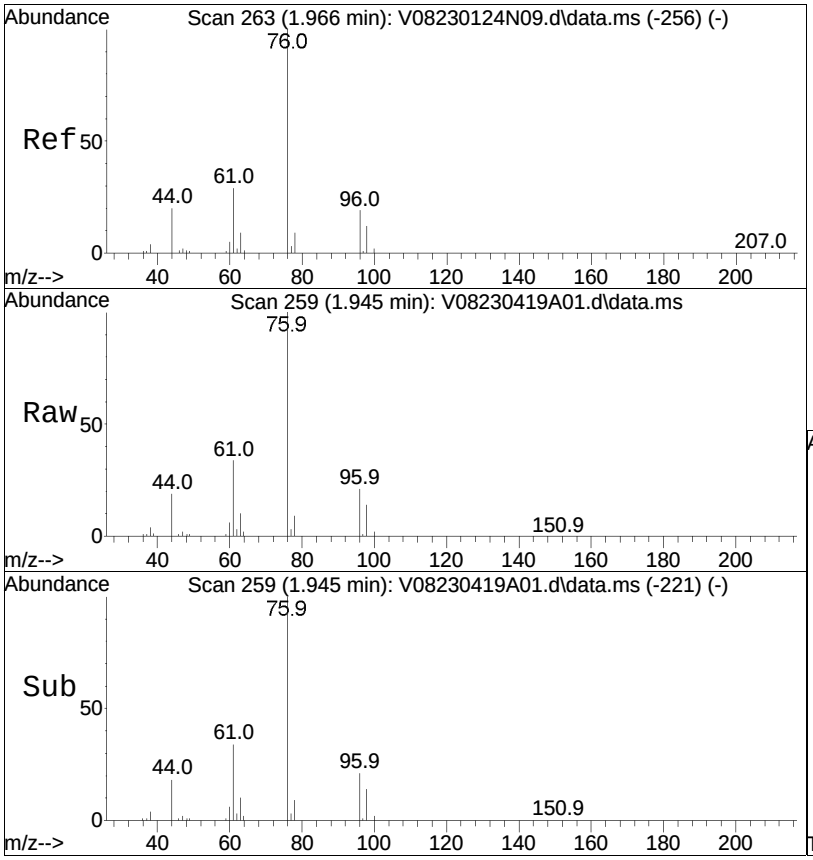



#10
1,1-Dichloroethene
Concen: 10.33 ug/L
RT: 1.939 min Scan# 258
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 96 Resp: 60395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.7 | 186.1 | 279.1# |
| 63 | 53.7 | 57.6 | 86.4# |

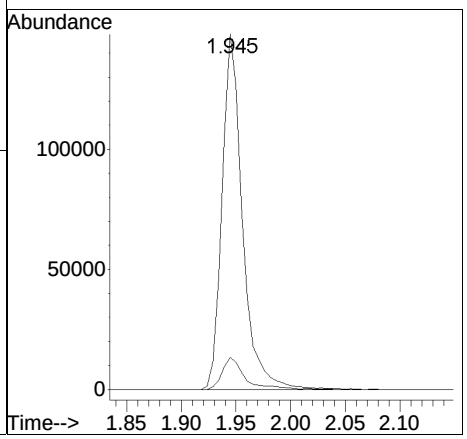


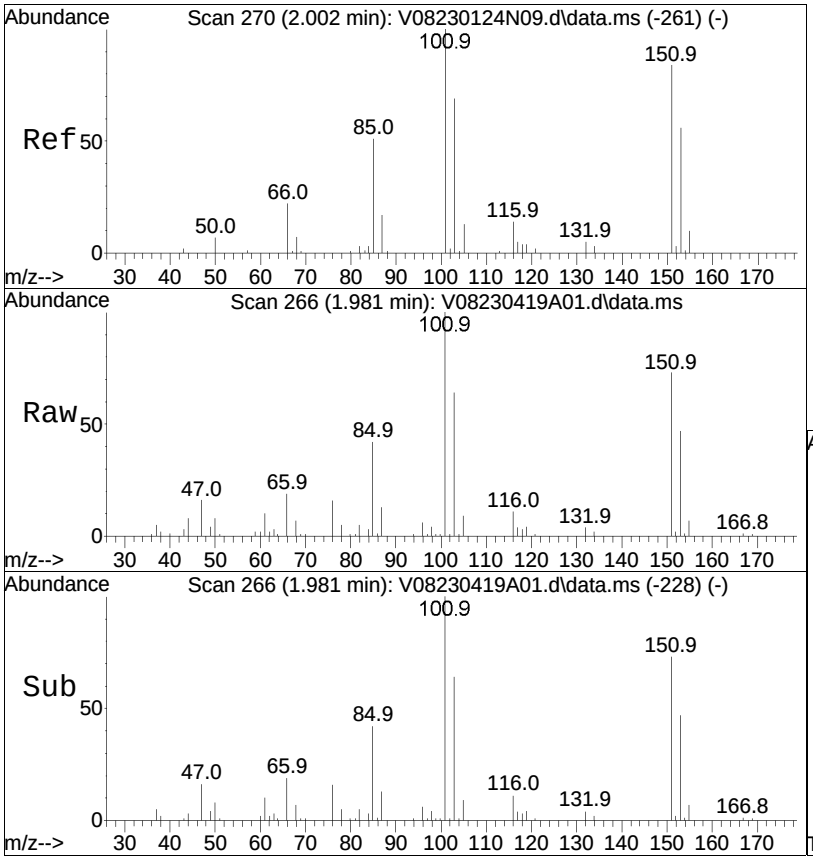



#11
Carbon disulfide
Concen: 10.78 ug/L
RT: 1.945 min Scan# 259
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 76 Resp: 192250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.0 | 5.7 | 11.7 |

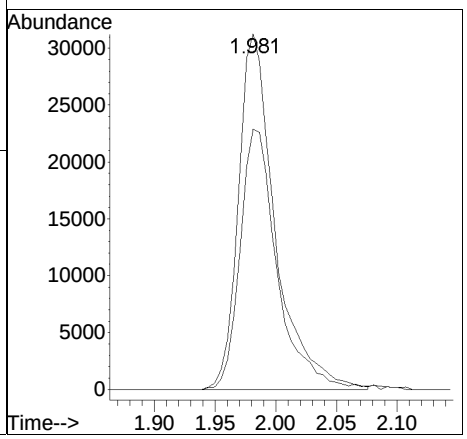


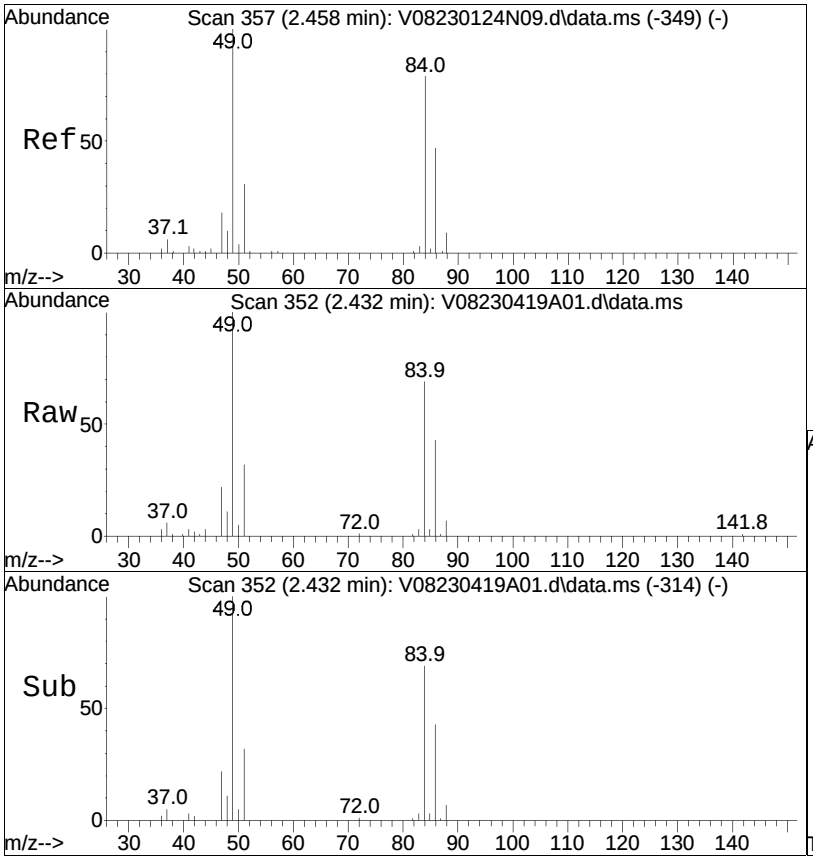



#12
Freon-113
Concen: 10.96 ug/L
RT: 1.981 min Scan# 266
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:101 Resp: 65824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 74.2 | 59.8 | 89.8 |

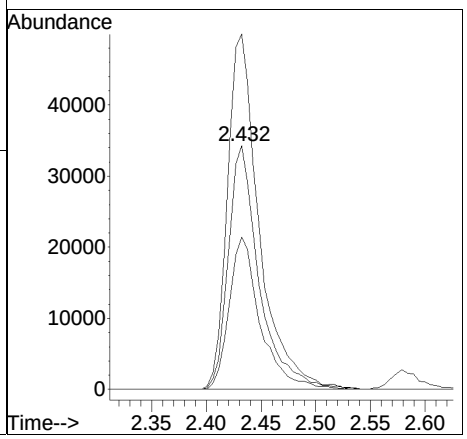


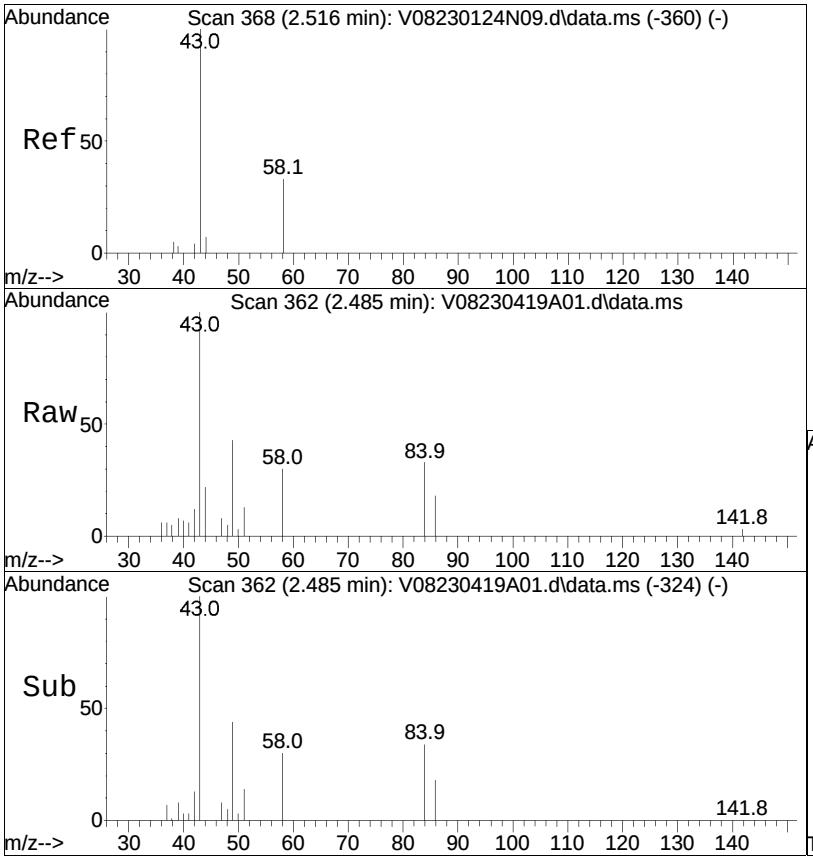



#15
Methylene chloride
Concen: 10.10 ug/L
RT: 2.432 min Scan# 352
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 84 Resp: 67589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.0 | 40.4 | 83.8 |
| 49 | 149.9 | 120.0 | 249.2 |

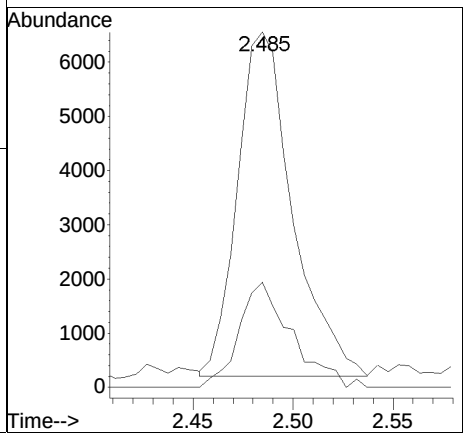


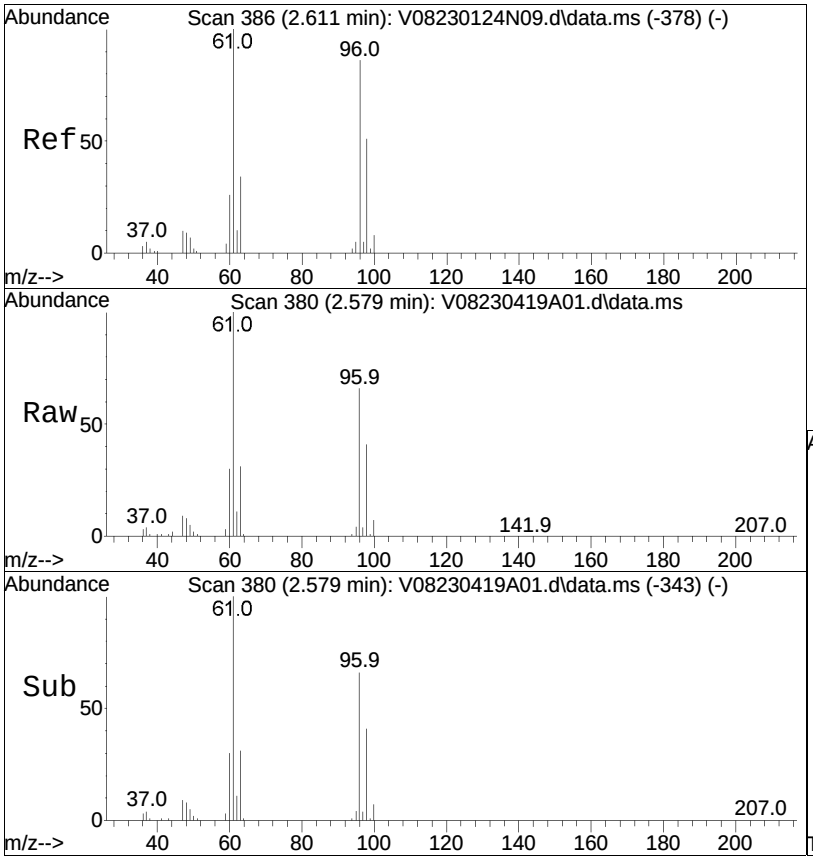



#17
Acetone
Concen: 9.45 ug/L M6
RT: 2.485 min Scan# 362
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 43 Resp: 12184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 24.2 | 36.4 |

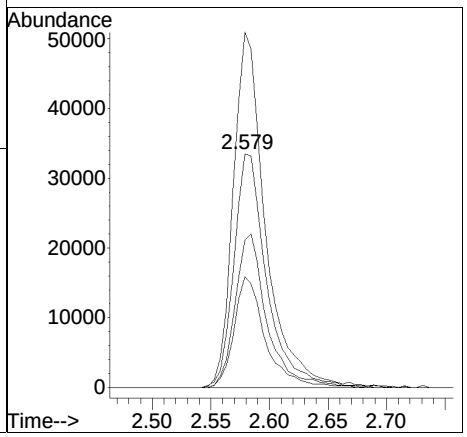


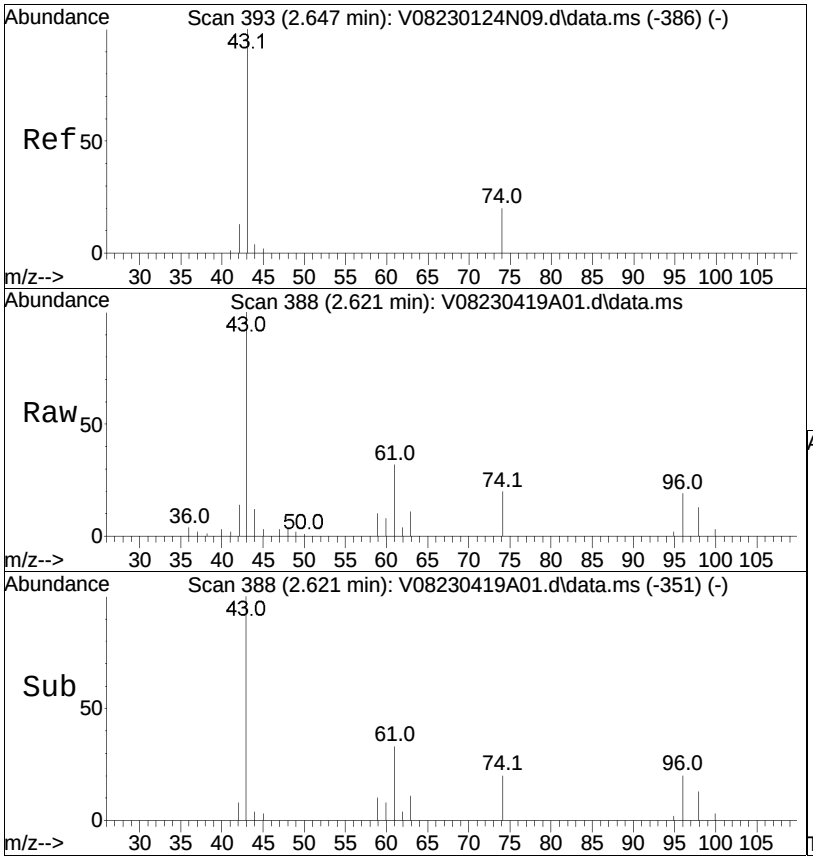



#18
trans-1,2-Dichloroethene
Concen: 9.82 ug/L
RT: 2.579 min Scan# 380
Delta R.T. -0.005 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 96 Resp: 65649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.7 | 124.0 | 257.6 |
| 98 | 63.2 | 41.2 | 85.6 |
| 63 | 45.1 | 38.4 | 79.7 |

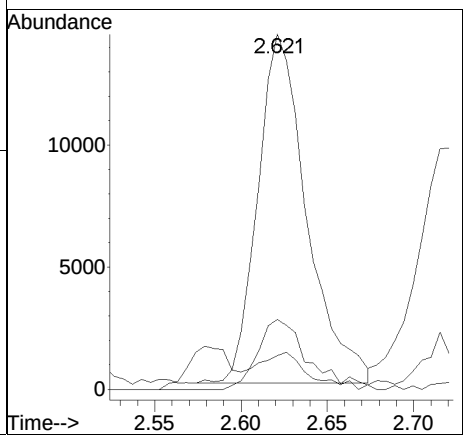


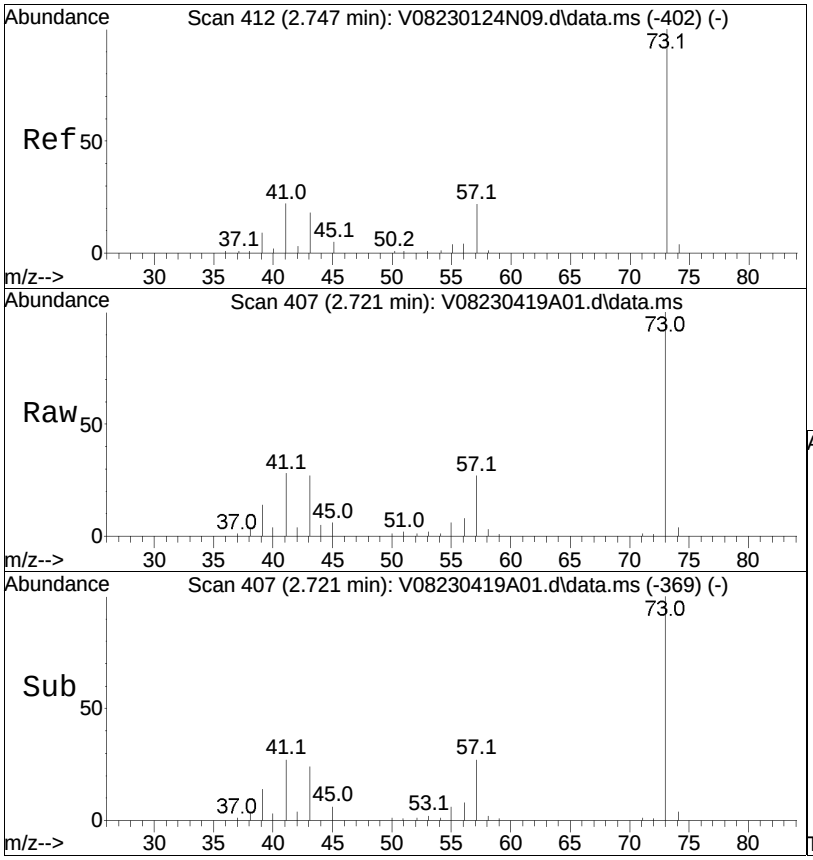



#19
Methyl acetate
Concen:  9.65 ug/L
RT:  2.621 min  Scan# 388
Delta R.T.  -0.005 min
Lab File:  V08230419A01.d
Acq: 19 Apr 2023  8:18 am

Tgt Ion: 43 Resp:  28302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.4 | 14.2 | 21.4 |
| 59 | 11.0 | 5.0 | 7.6# |

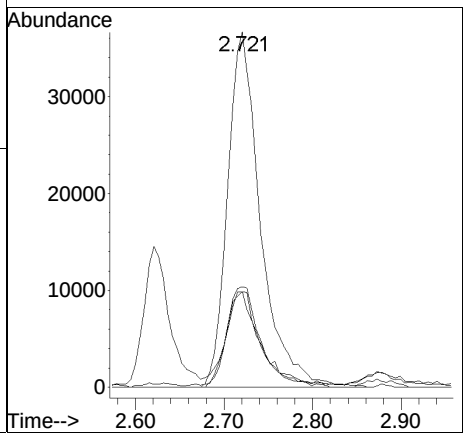


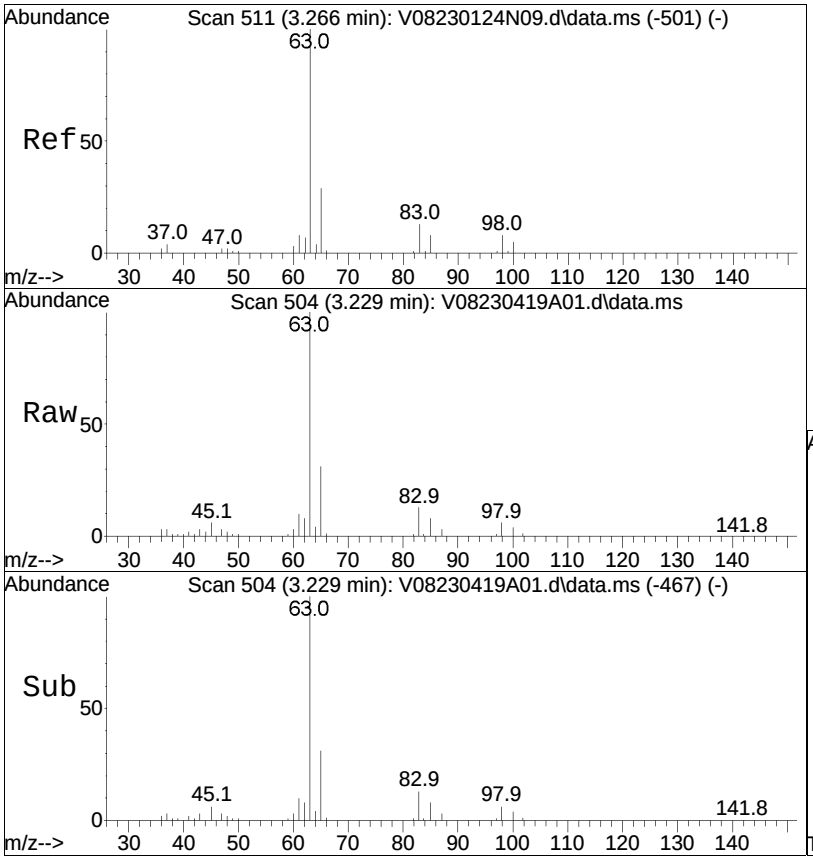



#20
Methyl tert-butyl ether
Concen: 8.58 ug/L
RT: 2.721 min Scan# 407
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 73 Resp: 95025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.9 | 17.5 | 36.3 |
| 43 | 26.0 | 15.3 | 31.9 |
| 41 | 29.4 | 15.3 | 31.7 |

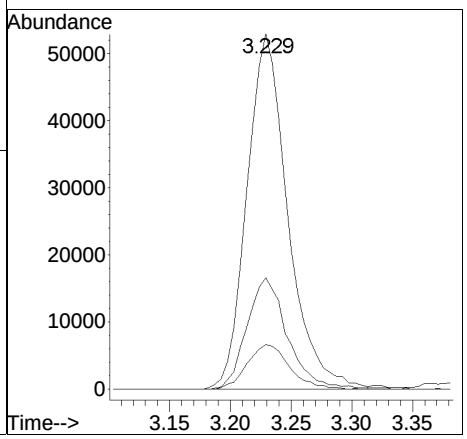


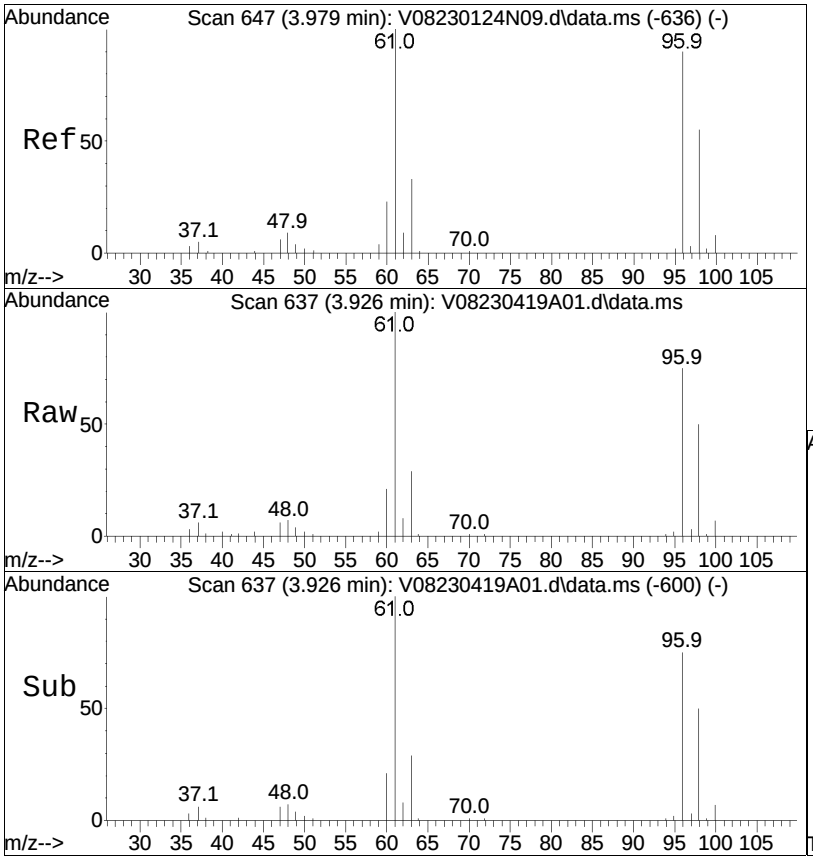



#23
1,1-Dichloroethane
Concen: 10.32 ug/L
RT: 3.229 min Scan# 504
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 63 Resp: 124218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 11.0 | 51.0 |
| 83 | 13.1 | 0.0 | 31.8 |

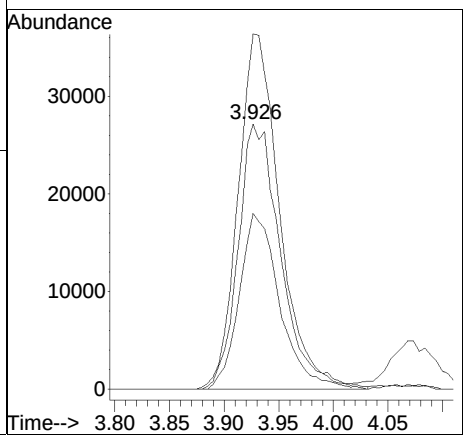


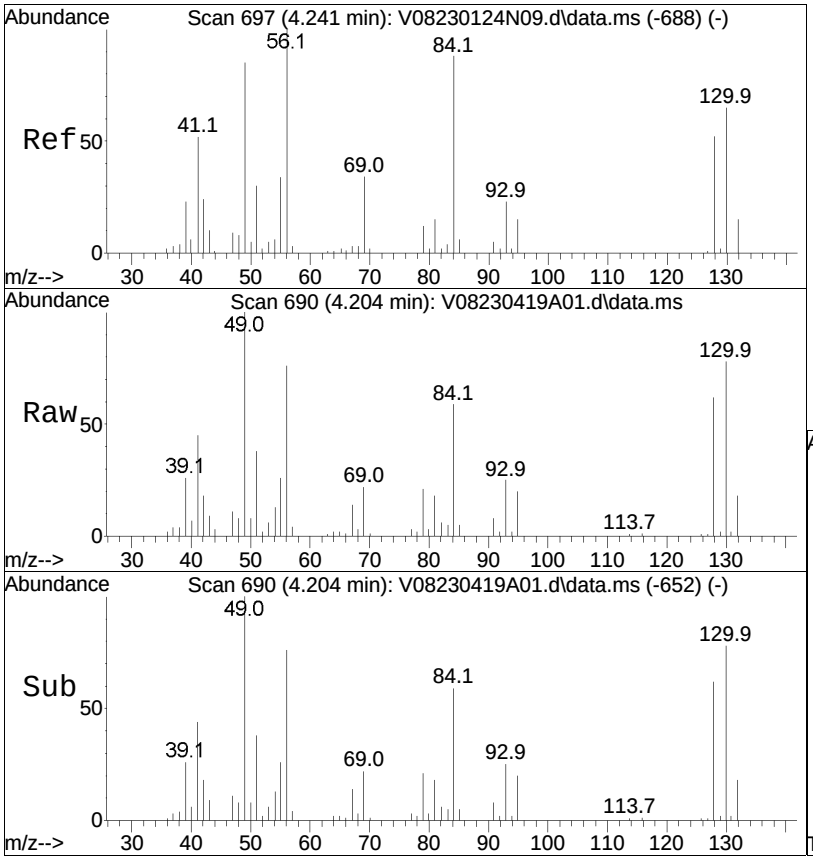



#28
cis-1,2-Dichloroethene
Concen: 10.11 ug/L
RT: 3.926 min Scan# 637
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 96 Resp: 73670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 130.7 | 149.4 | 224.2# |
| 98 | 63.3 | 53.4 | 80.2 |

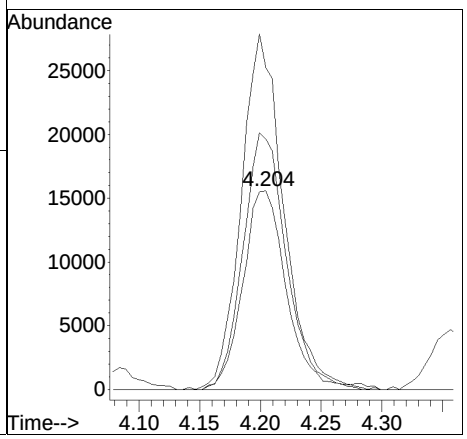


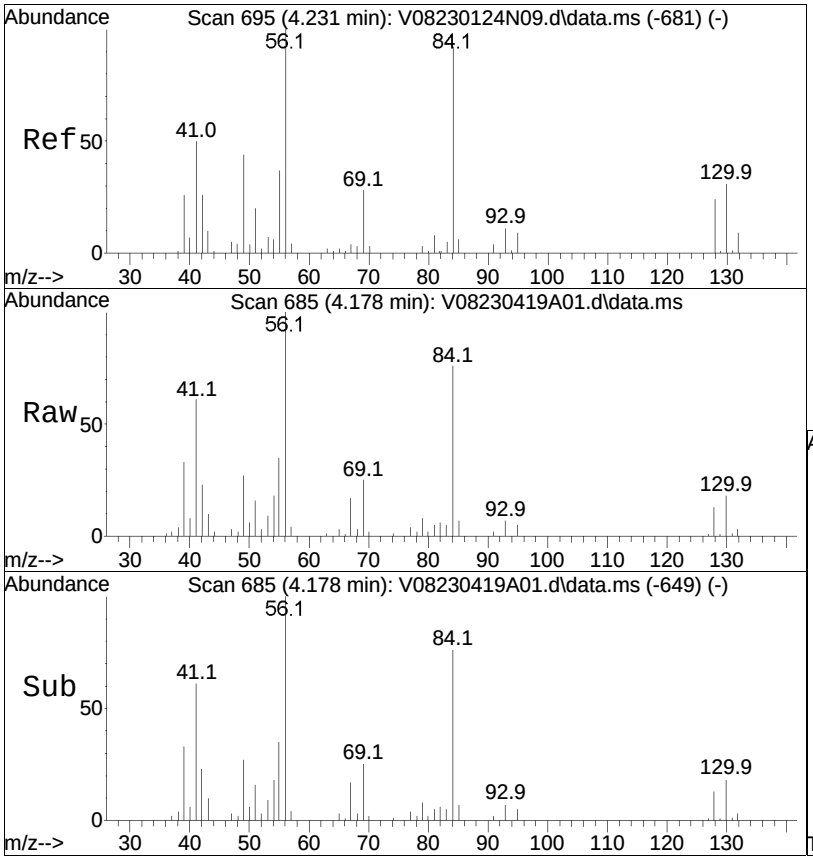



#30
Bromochloromethane
Concen: 9.91 ug/L
RT: 4.204 min Scan# 690
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:128 Resp: 38780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 175.4 | 223.0 | 334.4# |
| 130 | 129.4 | 111.4 | 167.0 |

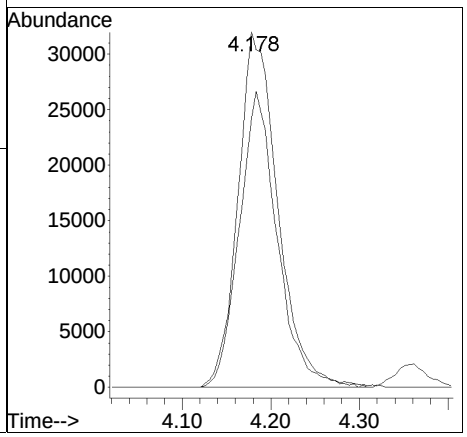


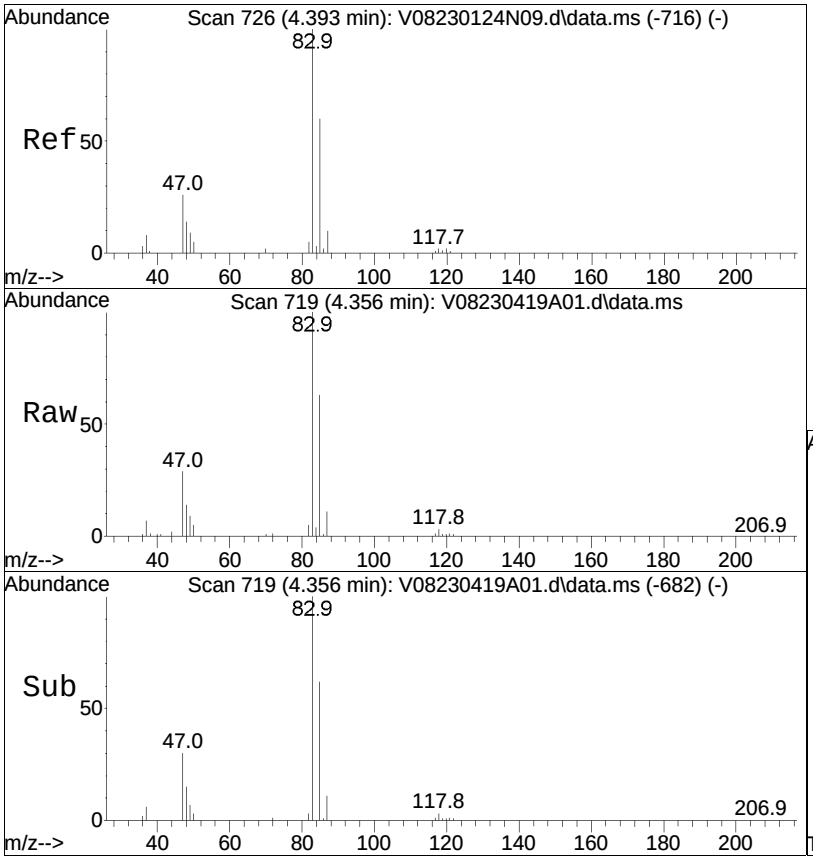



#31
Cyclohexane
Concen: 10.99 ug/L
RT: 4.178 min Scan# 685
Delta R.T. -0.011 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 56 Resp: 100189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 84 | 79.4 | 38.4 | 79.8 |

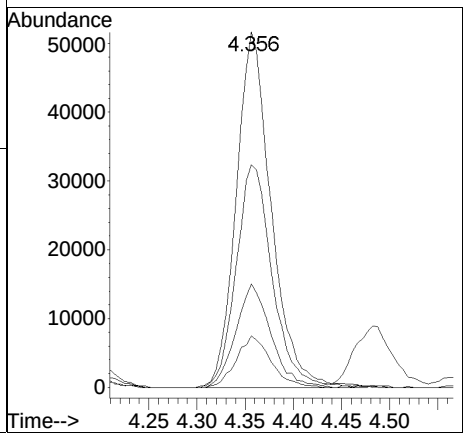


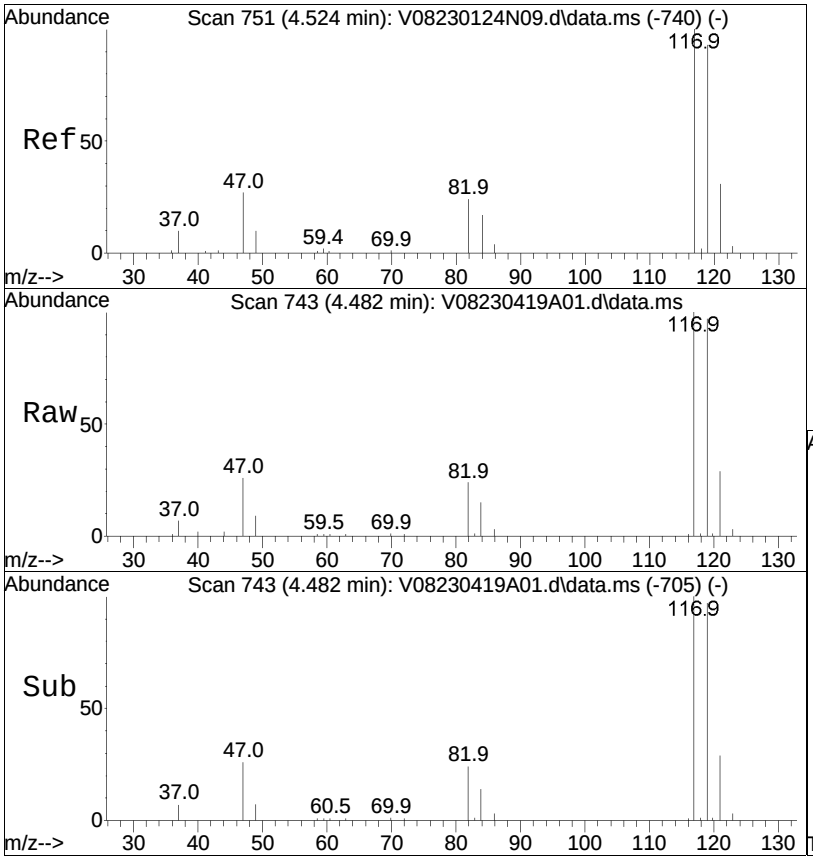



#32
Chloroform
Concen: 10.88 ug/L
RT: 4.356 min Scan# 719
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 83 Resp: 130667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 41.5 | 86.1 |
| 47 | 29.1 | 19.0 | 39.4 |
| 48 | 14.4 | 9.9 | 20.5 |

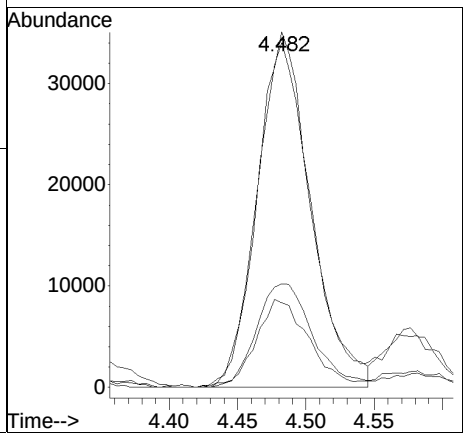


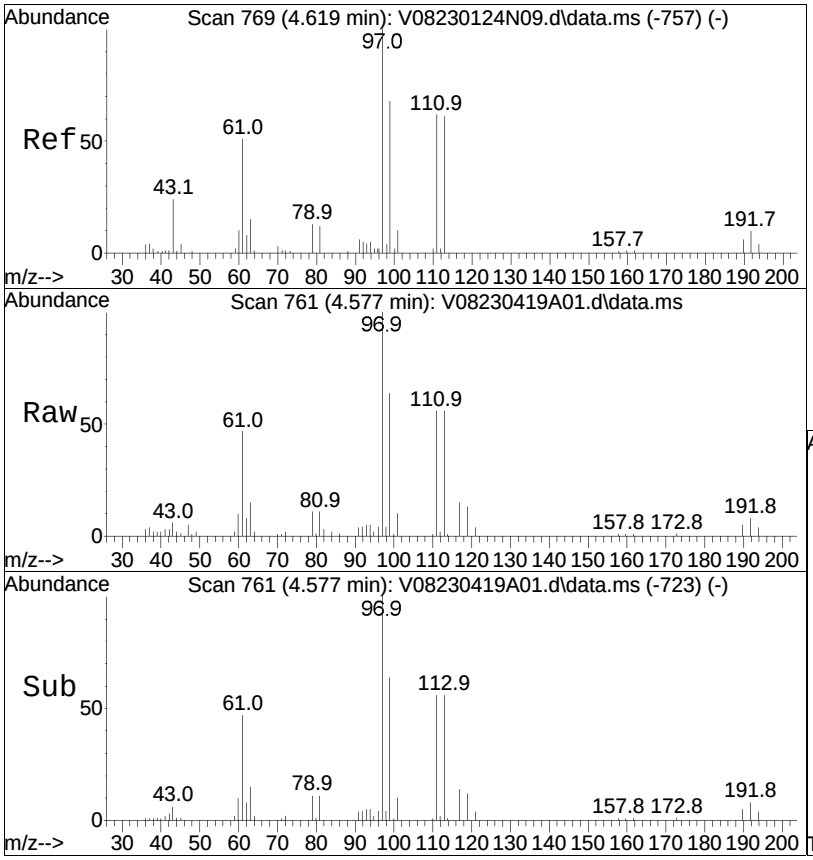



#34
Carbon tetrachloride
Concen: 11.37 ug/L
RT: 4.482 min Scan# 743
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:117 Resp: 96037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.4 | 62.4 | 129.6 |
| 121 | 30.7 | 19.5 | 40.5 |
| 82 | 24.7 | 17.0 | 35.4 |

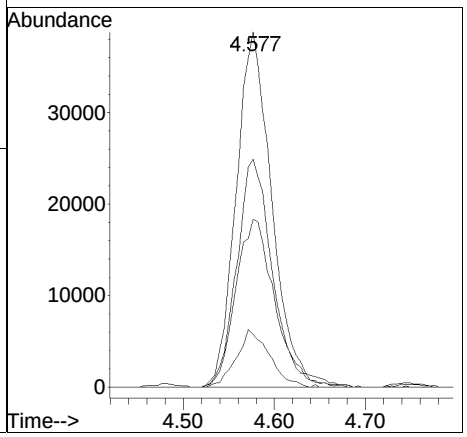


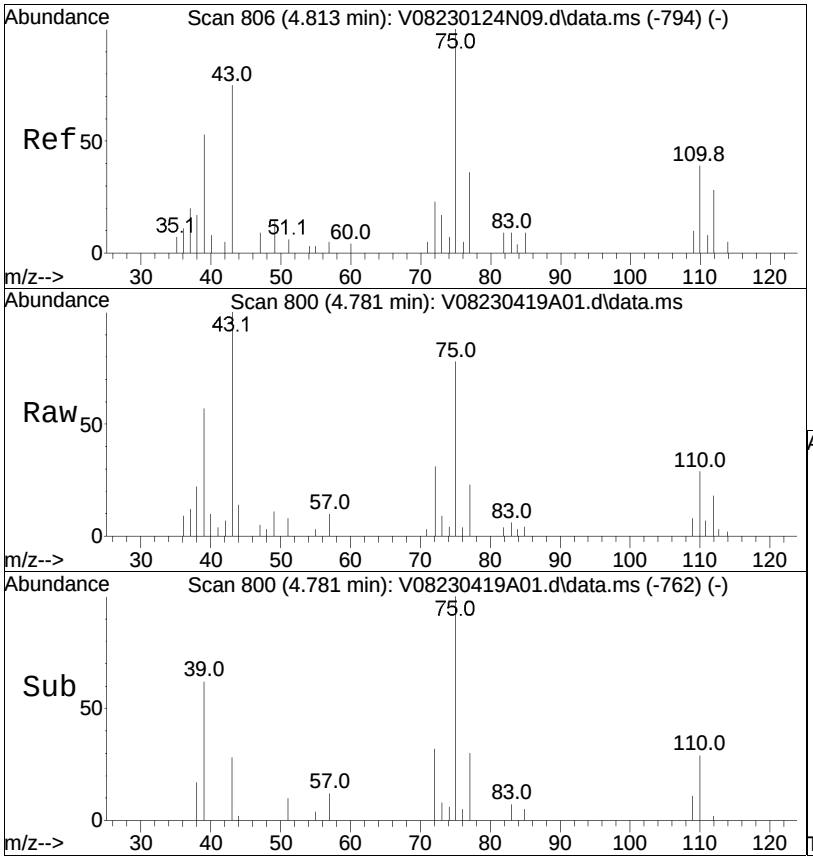



#37
1,1,1-Trichloroethane
Concen: 11.08 ug/L
RT: 4.577 min Scan# 761
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 97 Resp: 106637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 40.7 | 84.5 |
| 61 | 51.8 | 35.4 | 73.4 |
| 63 | 15.1 | 5.0 | 10.4# |

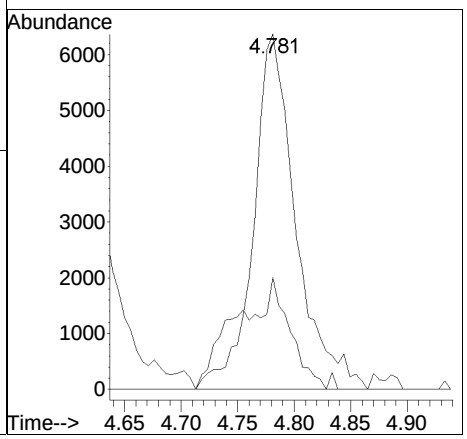


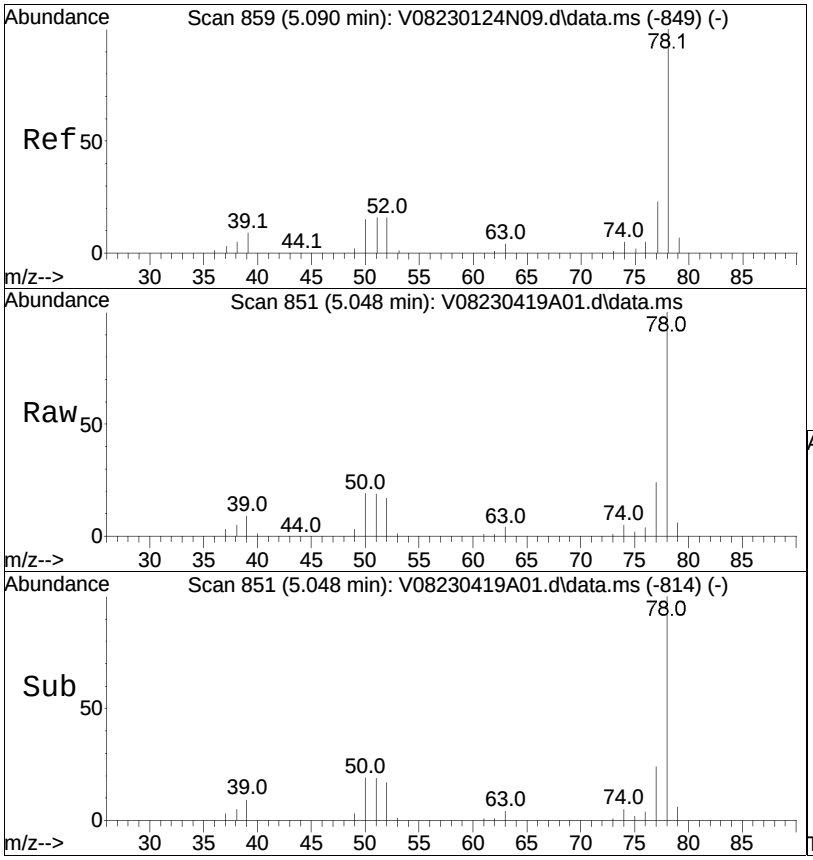



#39
2-Butanone
Concen: 10.52 ug/L
RT: 4.781 min Scan# 800
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 43 Resp: 16591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 17.6 | 10.9 | 16.3# |

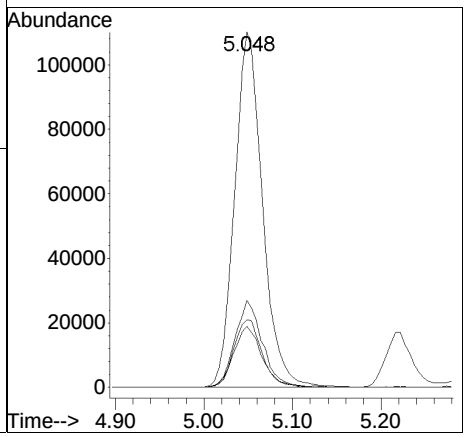


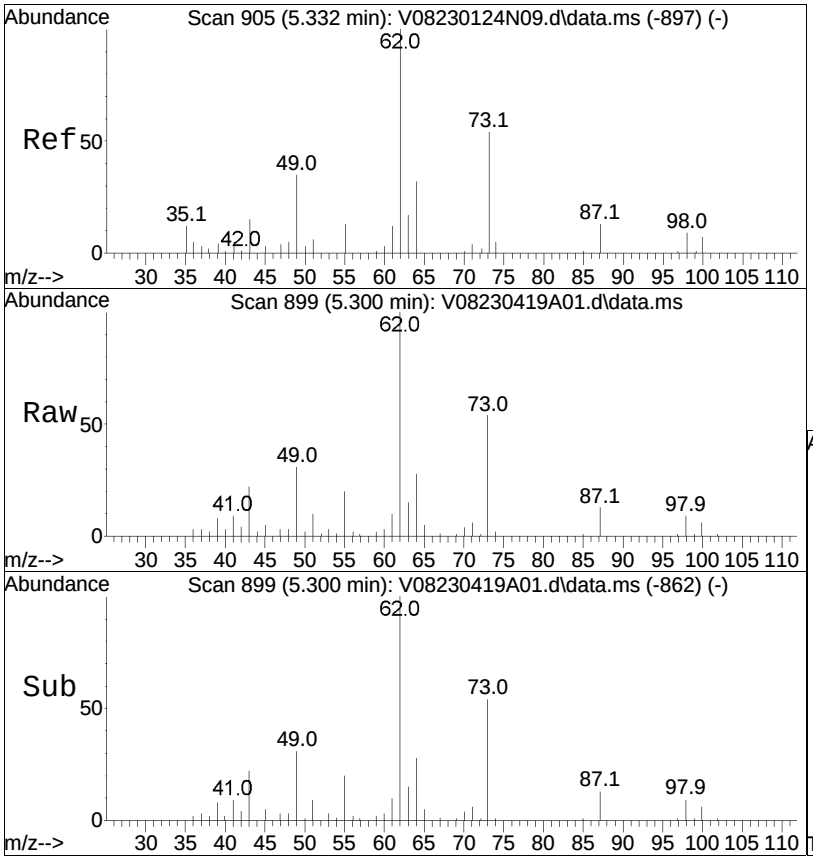



#41
Benzene
Concen: 11.02 ug/L
RT: 5.048 min Scan# 851
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 78 Resp: 241127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 15.7 | 32.7 |
| 51 | 19.5 | 16.0 | 33.2 |
| 52 | 17.4 | 15.3 | 31.9 |

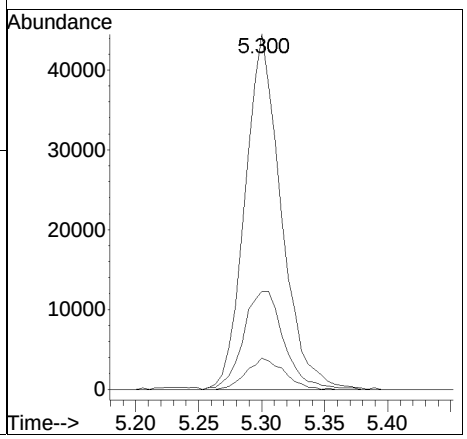


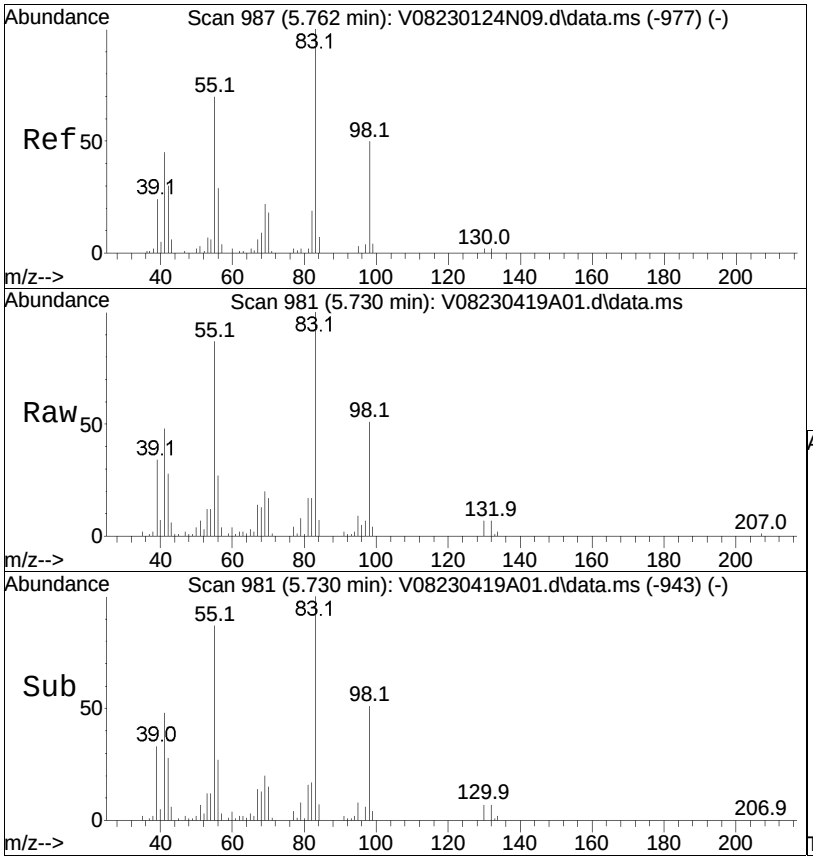



#44
1,2-Dichloroethane
Concen: 10.53 ug/L
RT: 5.300 min Scan# 899
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 62 Resp: 88538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.2 | 11.2 | 51.2 |
| 98 | 9.2 | 0.0 | 26.1 |

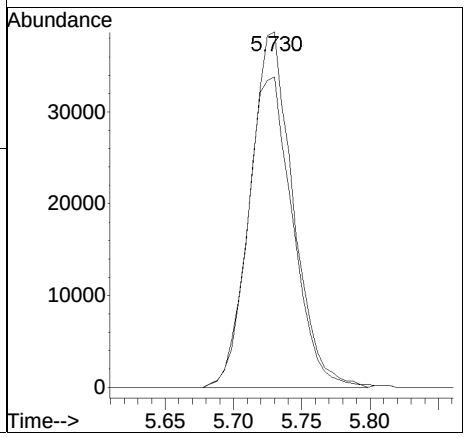


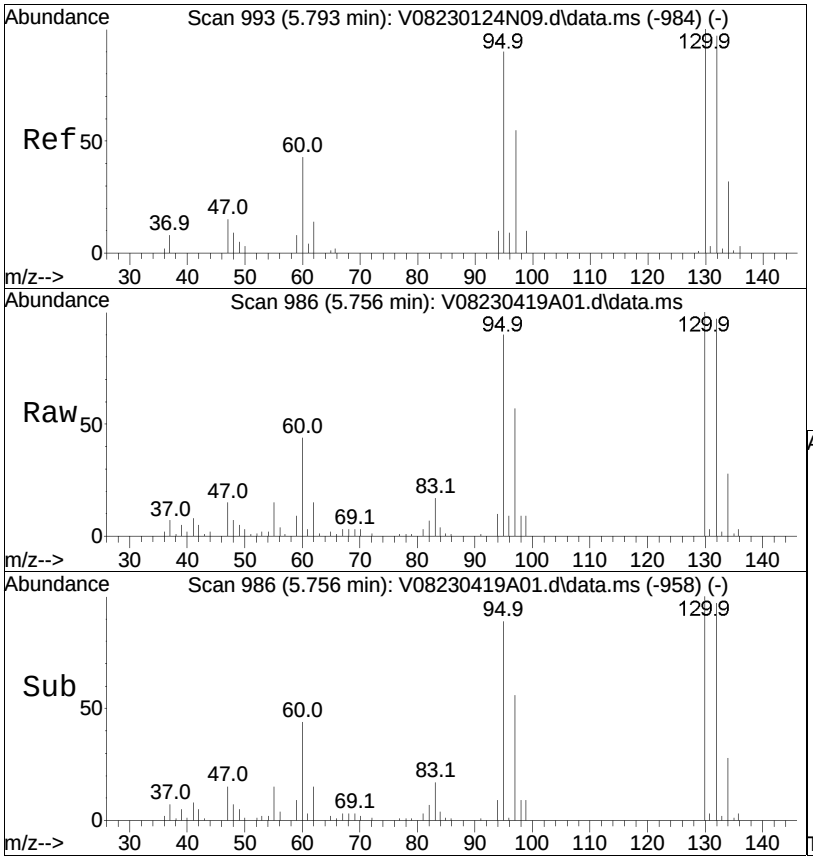



#47
Methyl cyclohexane
Concen: 9.66 ug/L
RT: 5.730 min Scan# 981
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 83 Resp: 84768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 90.9 | 88.3 | 132.5 |

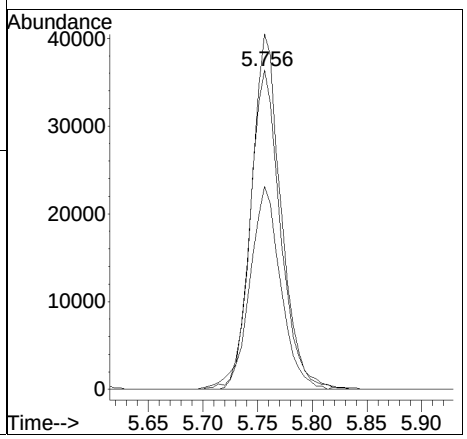


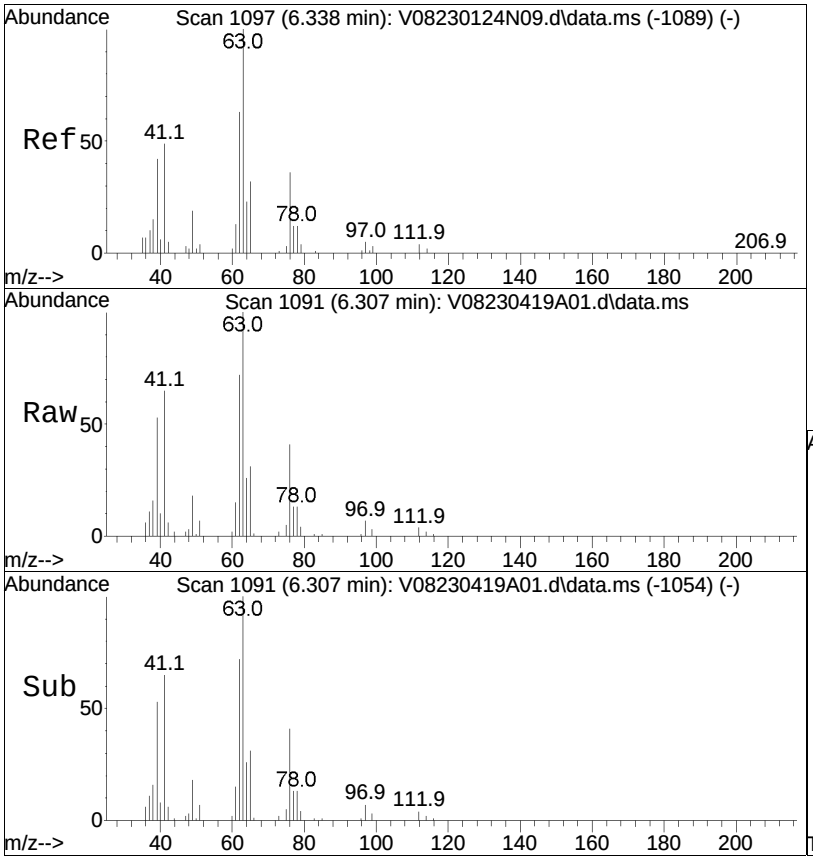



#48
Trichloroethene
Concen: 11.02 ug/L
RT: 5.756 min Scan# 986
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 95 Resp: 70029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.5 | 55.5 | 83.3 |
| 130 | 108.5 | 76.6 | 115.0 |

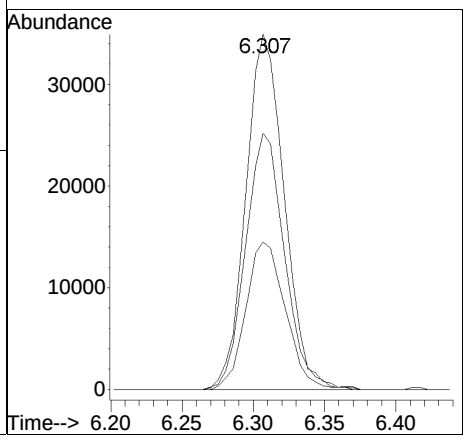


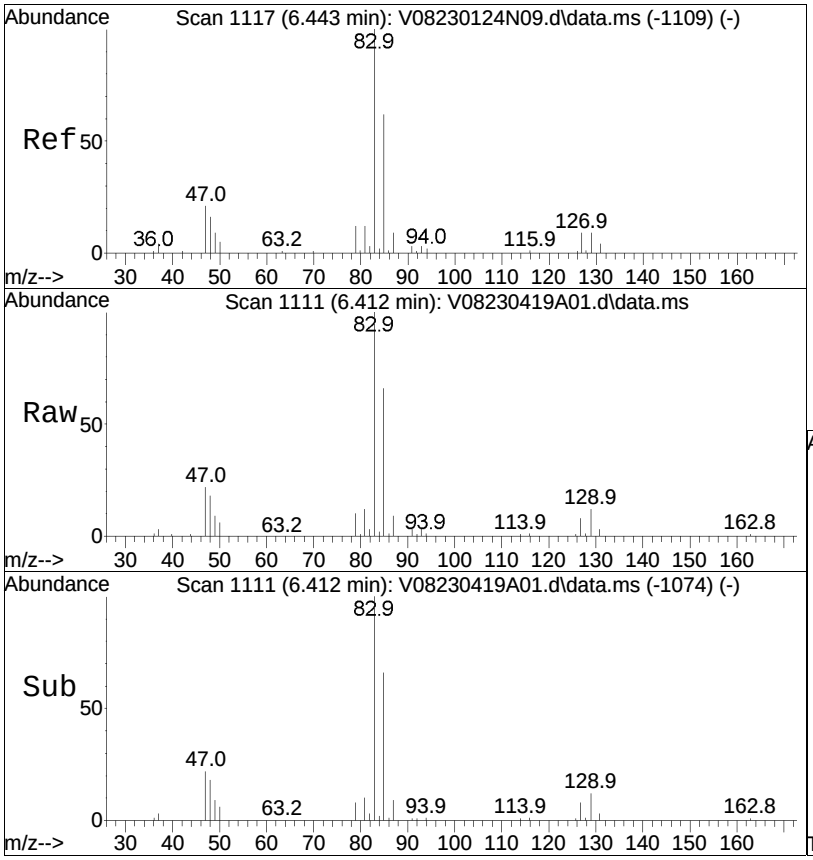



#51
1,2-Dichloropropane
Concen: 10.57 ug/L
RT: 6.307 min Scan# 1091
Delta R.T. -0.005 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 63 Resp: 65621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 62 | 73.0 | 58.6 | 87.8 |
| 76 | 42.6 | 38.0 | 57.0 |

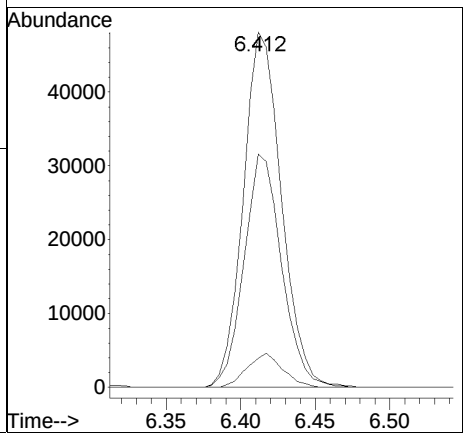


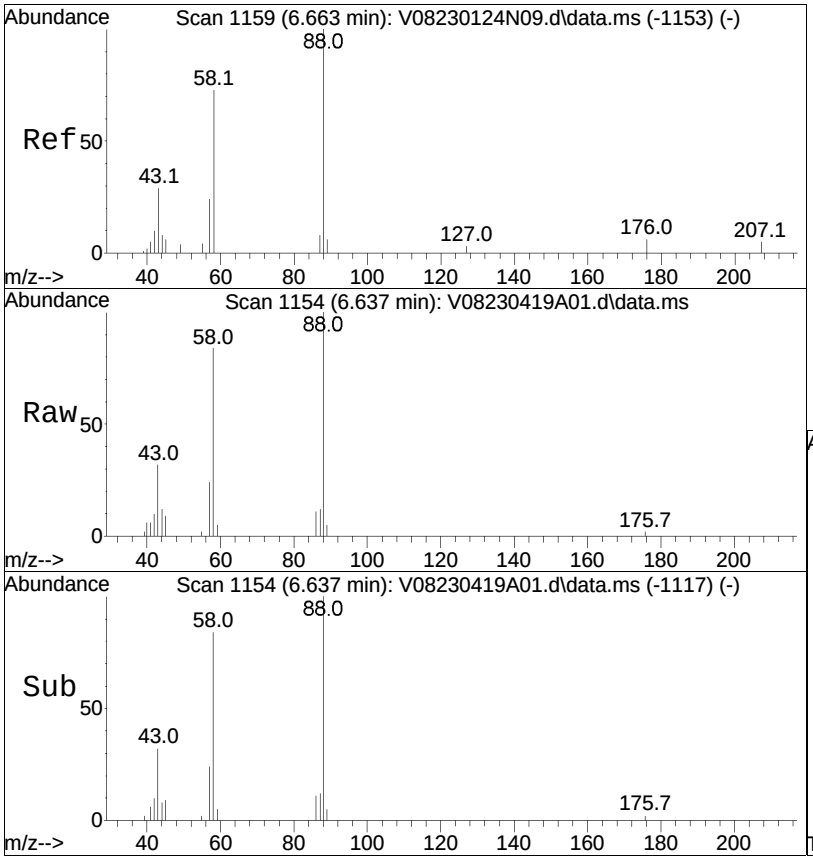



#54
Bromodichloromethane
Concen: 10.25 ug/L
RT: 6.412 min Scan# 1111
Delta R.T. -0.005 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 83 Resp: 85854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 52.3 | 78.5 |
| 127 | 9.0 | 6.2 | 9.4 |

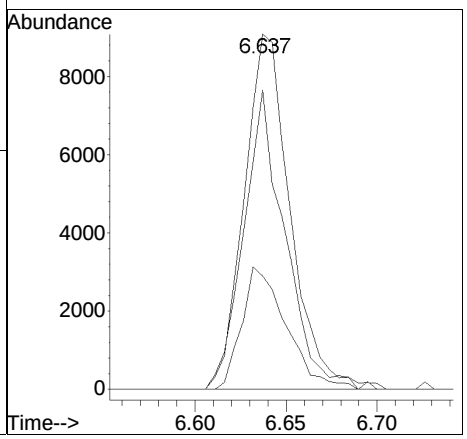


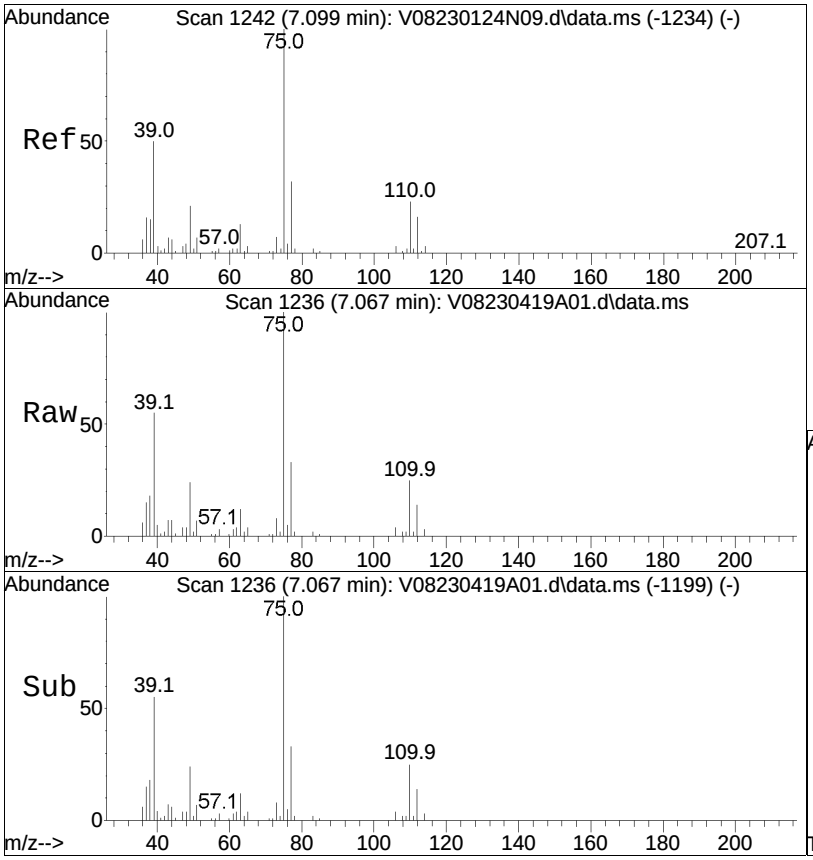



#57
1,4-Dioxane
Concen: 466.33 ug/L
RT: 6.637 min Scan# 1154
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 88 Resp: 15872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 77.0 | 76.7 | 115.1 |
| 43 | 33.6 | 36.2 | 54.2# |

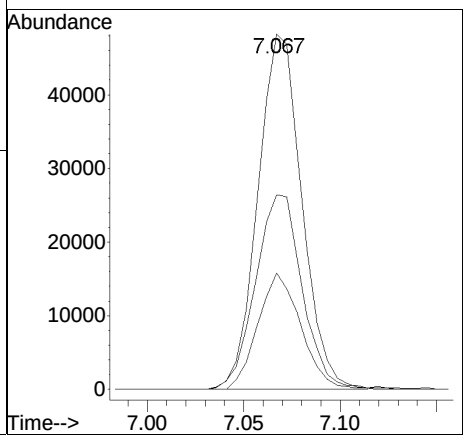


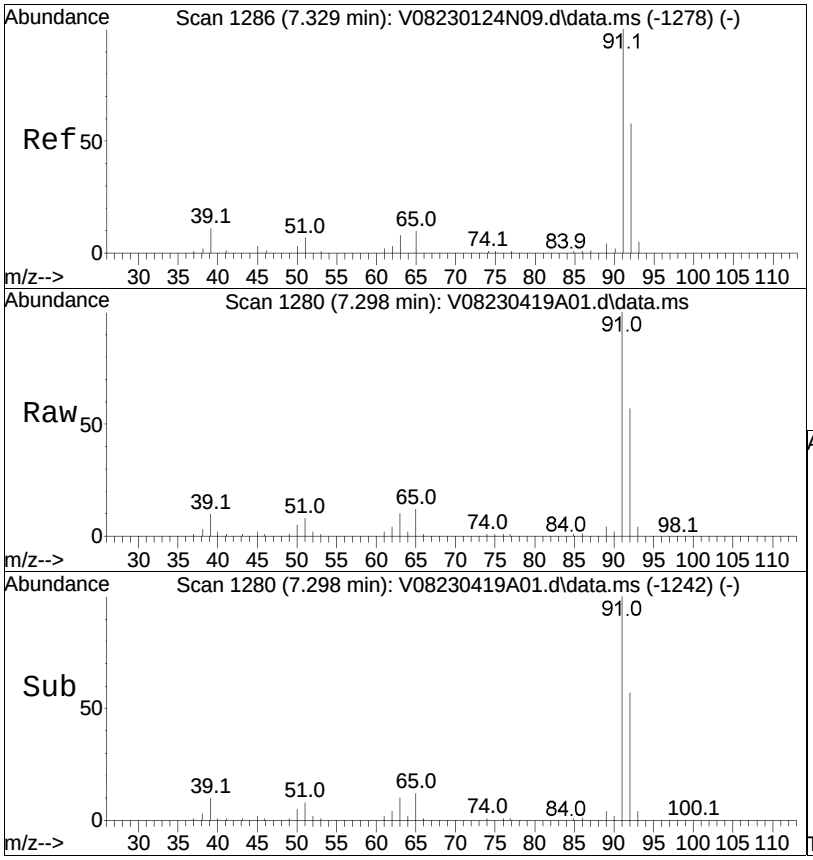



#58
cis-1,3-Dichloropropene
Concen: 9.09 ug/L
RT: 7.067 min Scan# 1236
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 75 Resp: 76365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.0 | 37.4 |
| 39 | 58.3 | 50.1 | 75.1 |

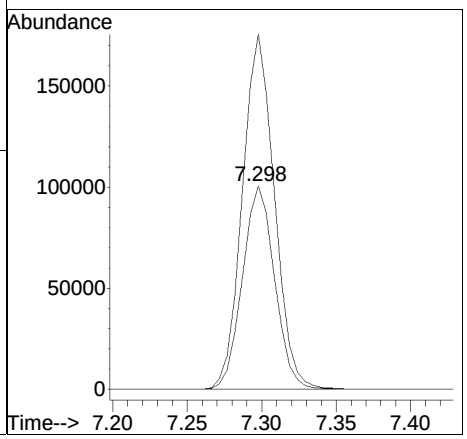


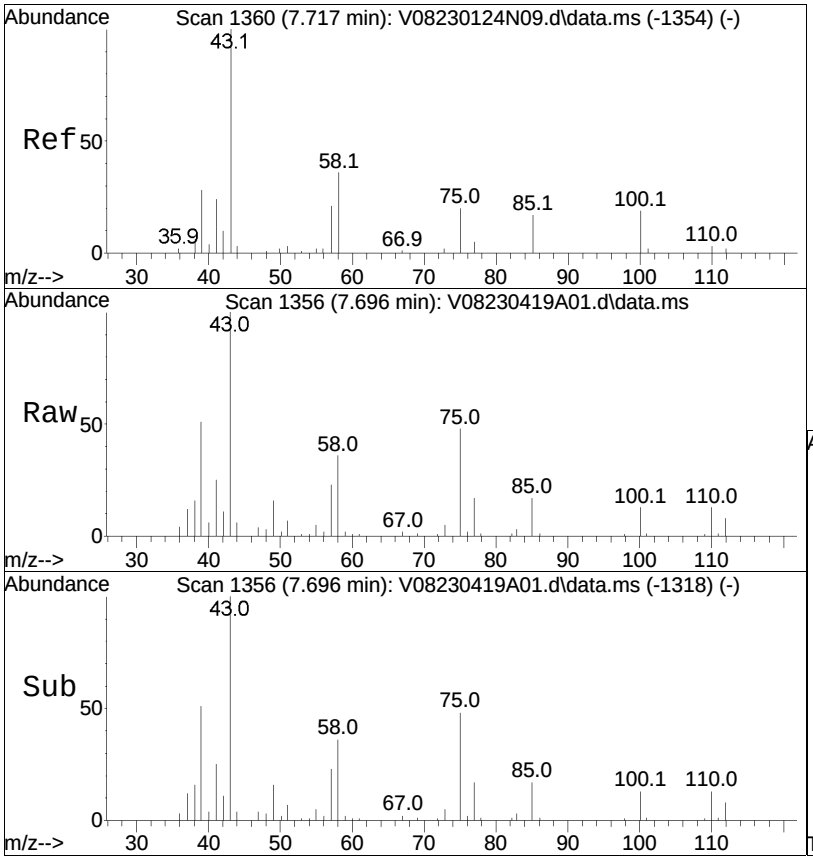



#61
Toluene
Concen: 10.48 ug/L
RT: 7.298 min Scan# 1280
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 92 Resp: 151353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.5 | 139.8 | 209.6 |

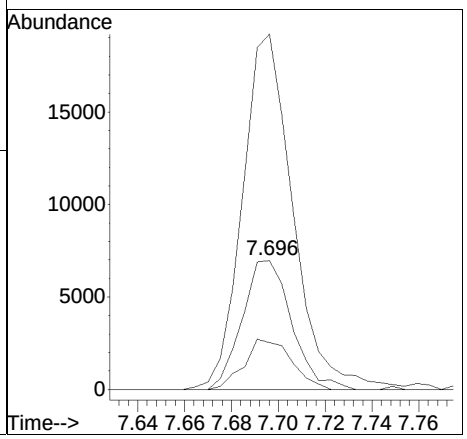


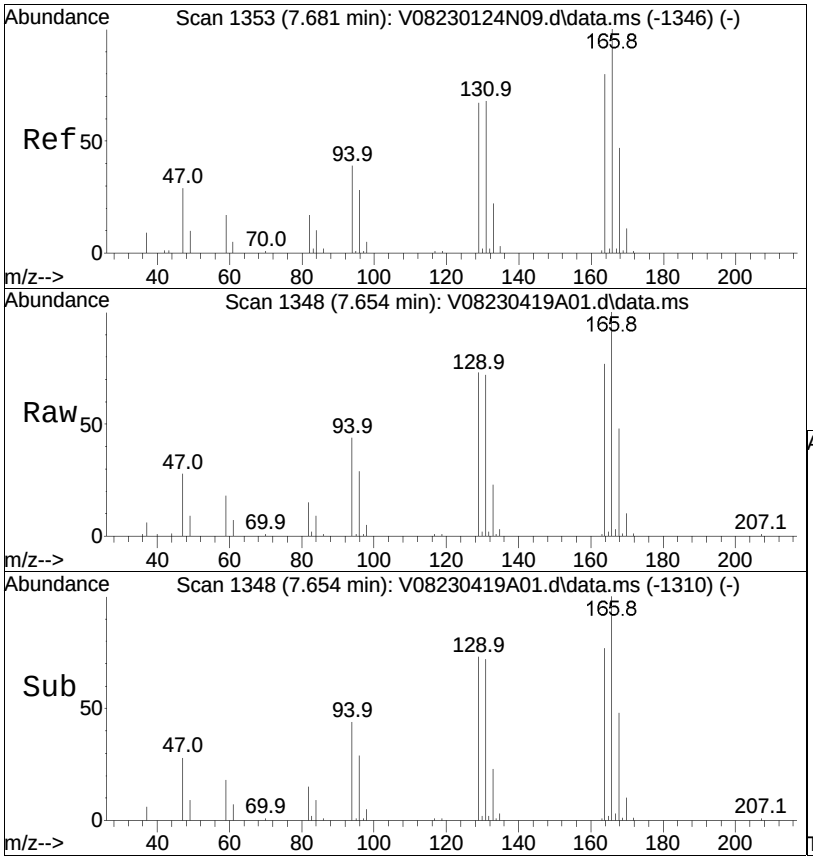



#62
4-Methyl-2-pentanone
Concen: 9.11 ug/L
RT: 7.696 min Scan# 1356
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 58 Resp: 10208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 100 | 37.4 | 20.2 | 30.2# |
| 43 | 282.4 | 196.6 | 295.0 |

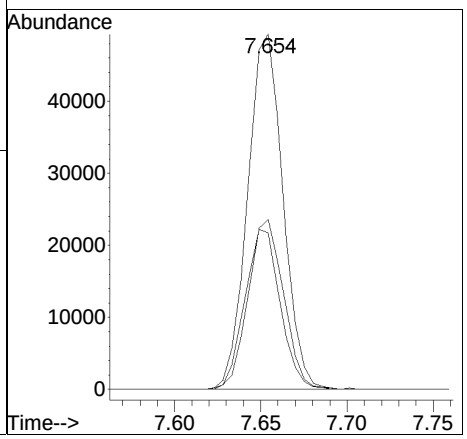


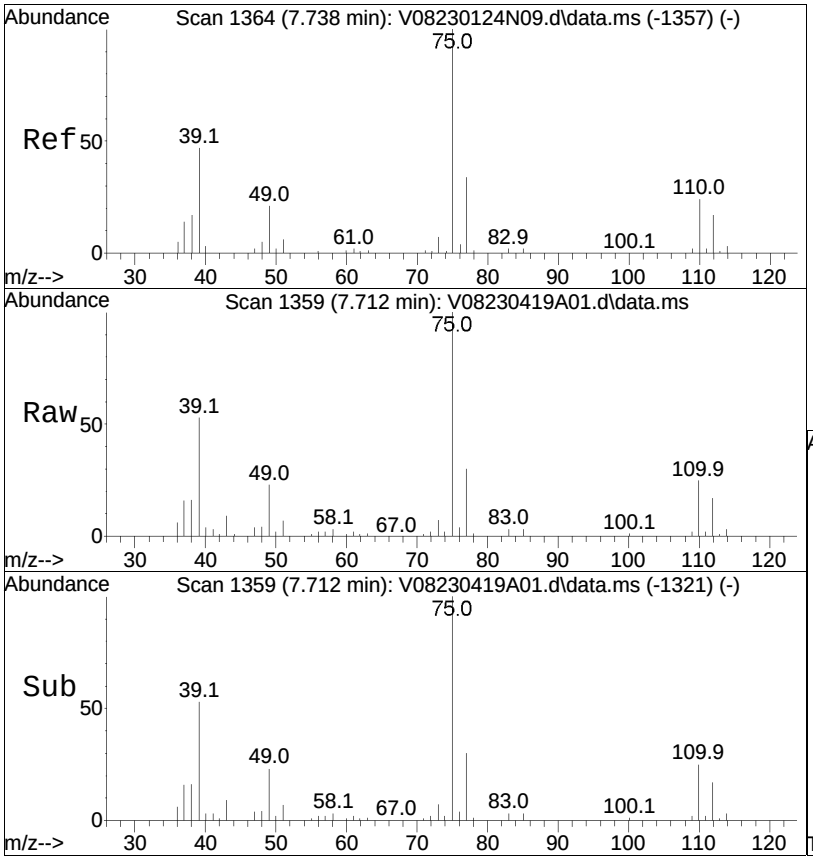



#63
Tetrachloroethene
Concen: 9.90 ug/L
RT: 7.654 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:166 Resp: 70331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 47.9 | 28.2 | 68.2 |
| 94 | 45.0 | 38.4 | 78.4 |

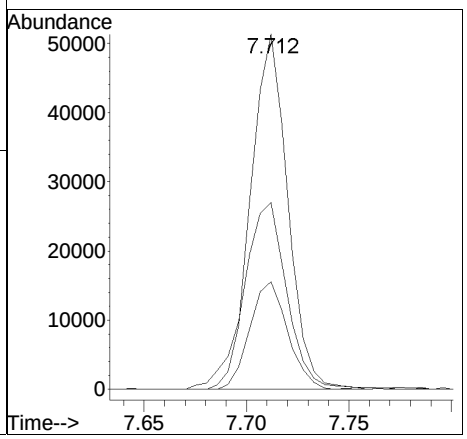


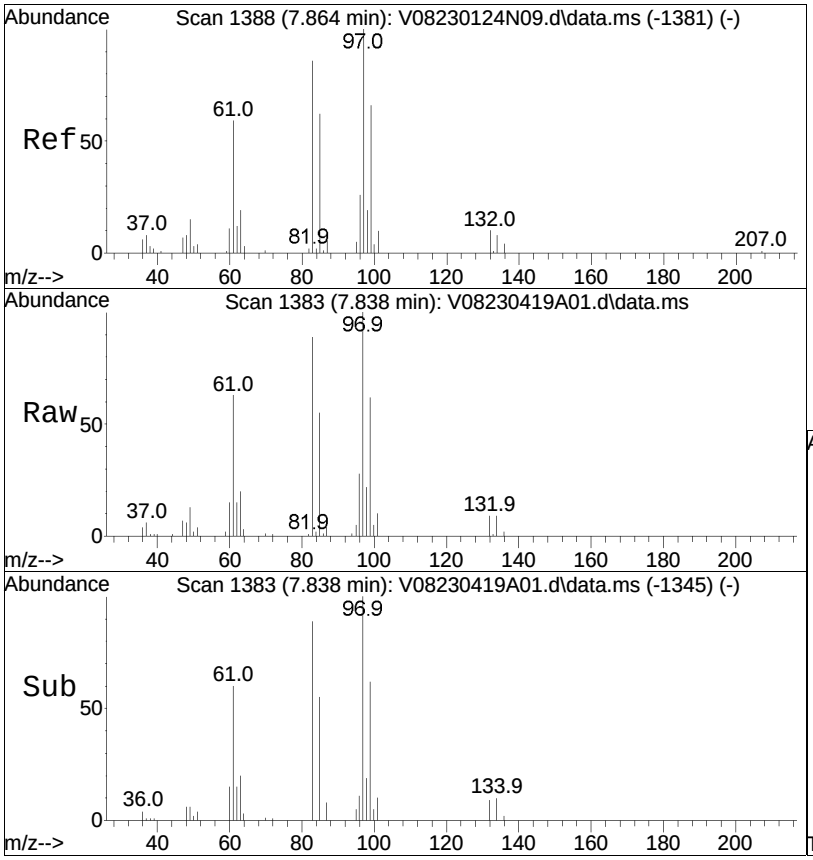



#65
trans-1,3-Dichloropropene
Concen: 9.19 ug/L
RT: 7.712 min Scan# 1359
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 75 Resp: 64341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 12.4 | 52.4 |
| 39 | 62.2 | 42.8 | 82.8 |

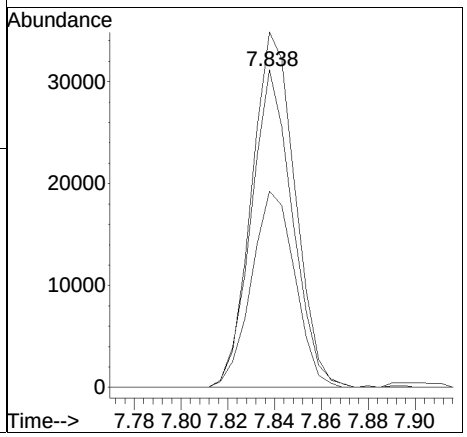


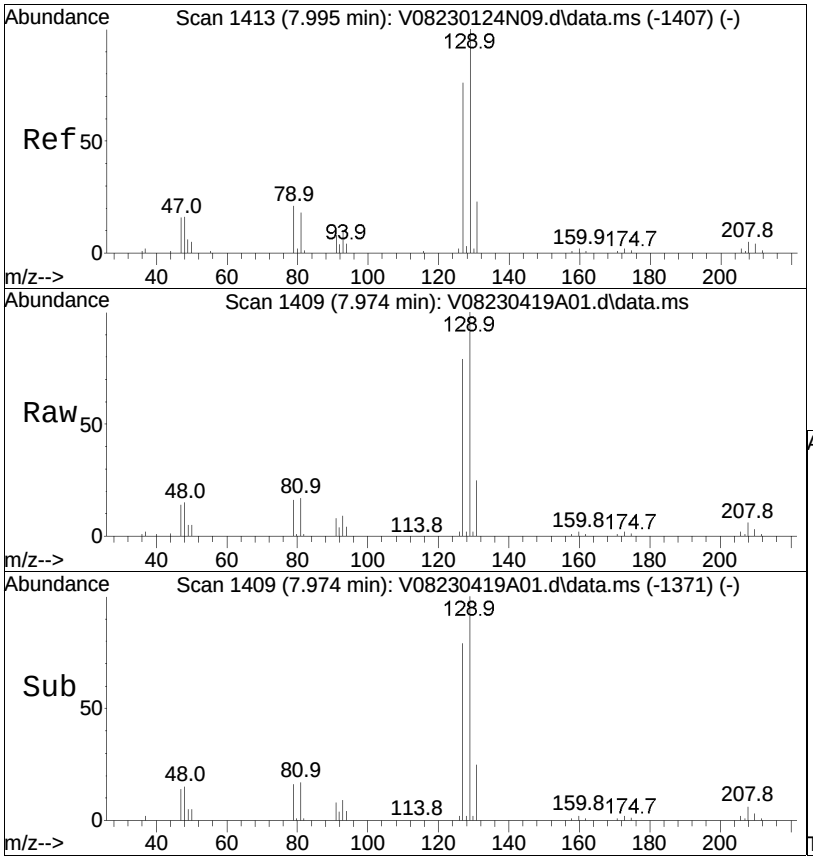



#68
1,1,2-Trichloroethane
Concen: 10.42 ug/L
RT: 7.838 min Scan# 1383
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 83 Resp: 38205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 117.6 | 89.8 | 129.8 |
| 85 | 65.1 | 44.4 | 84.4 |

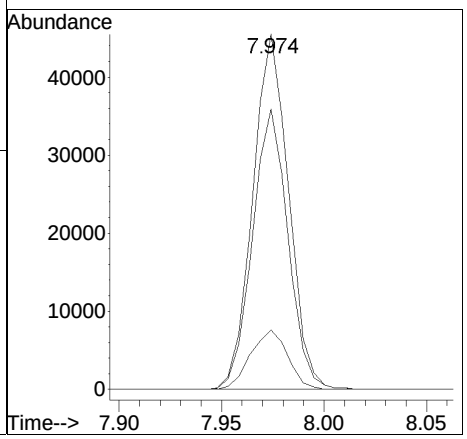


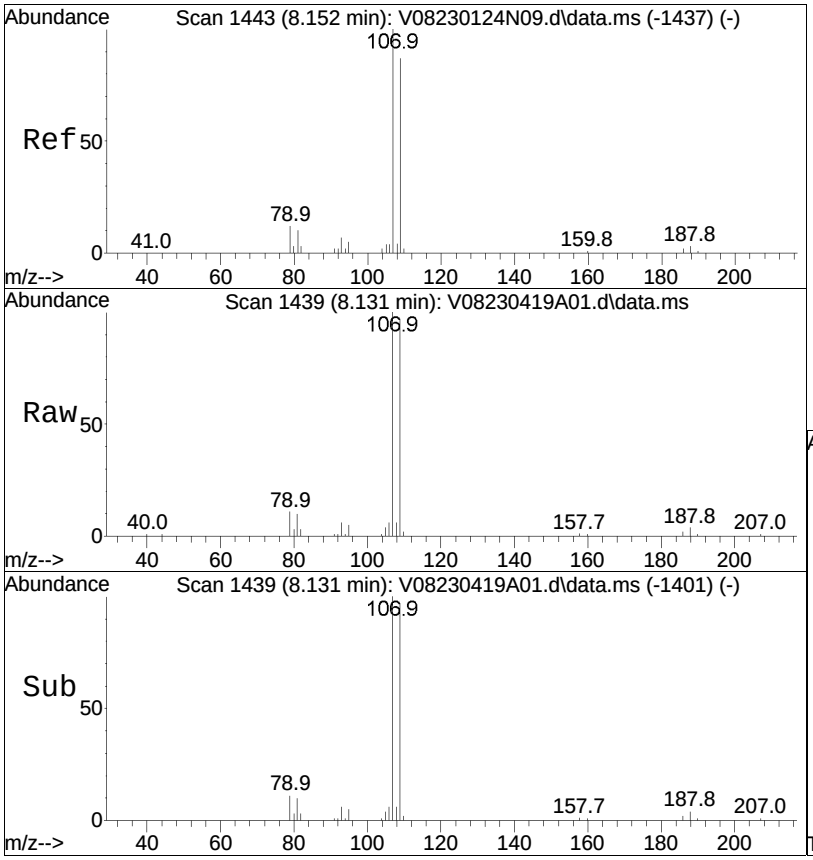



#69
Chlorodibromomethane
Concen: 9.01 ug/L
RT: 7.974 min Scan# 1409
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:129 Resp: 55344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 81 | 17.4 | 2.9 | 42.9 |
| 127 | 78.3 | 57.8 | 97.8 |

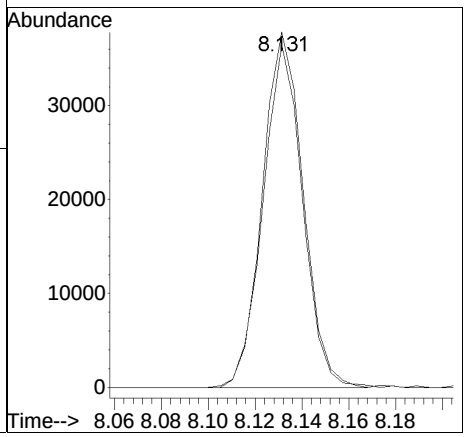


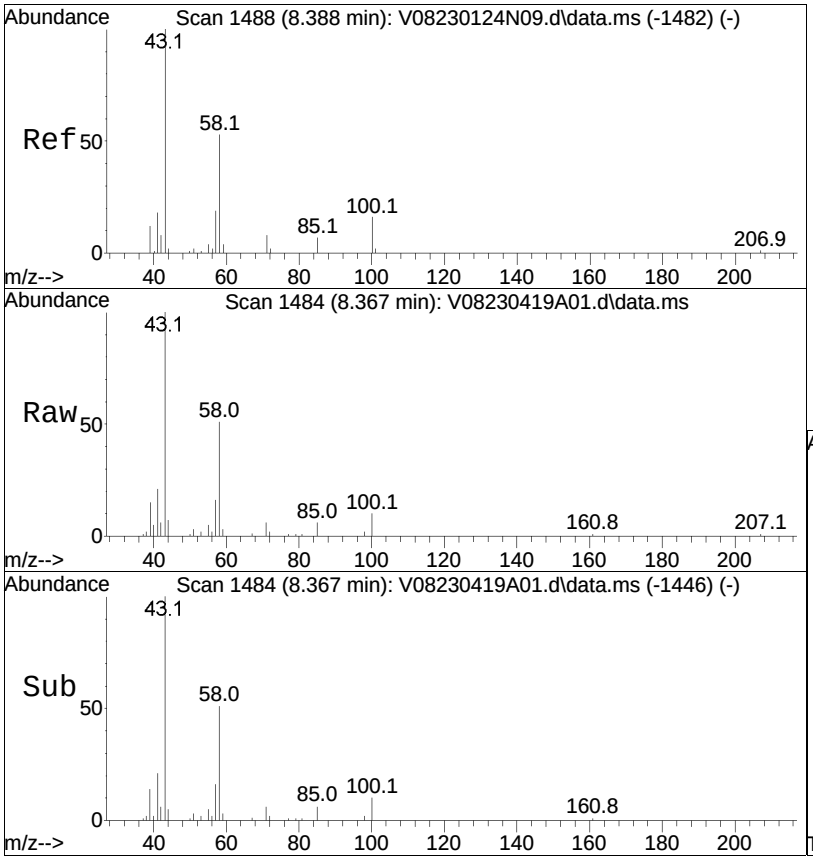



#71
1,2-Dibromoethane
Concen: 9.57 ug/L
RT: 8.131 min Scan# 1439
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:107 Resp: 45655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 74.3 | 111.5 |

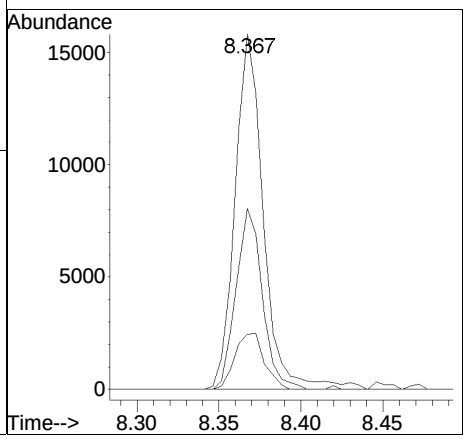


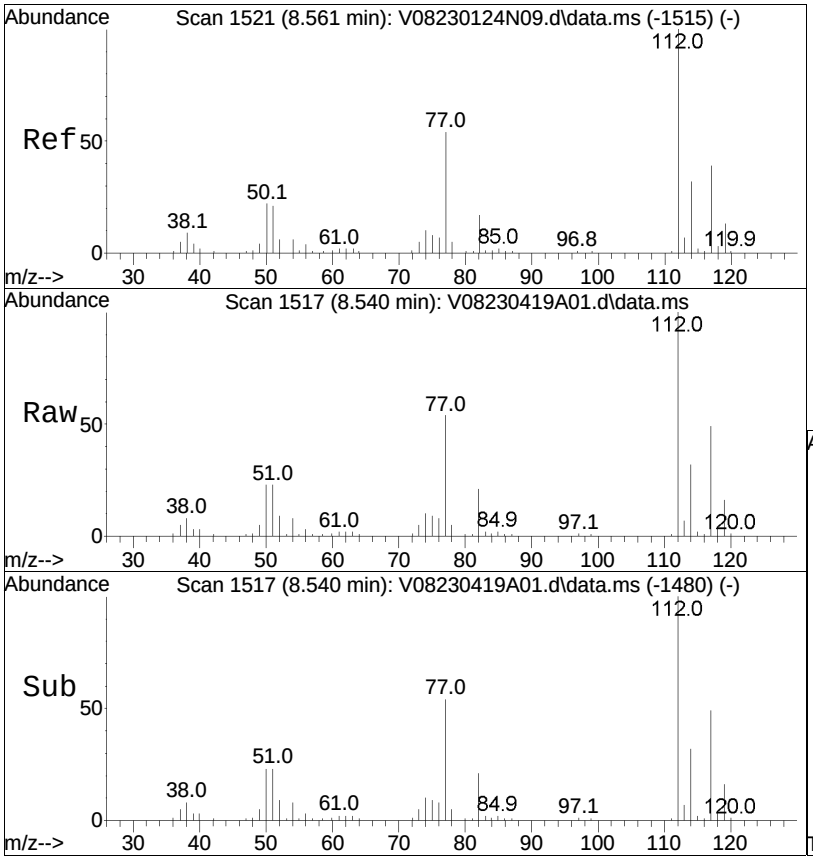



#72
2-Hexanone
Concen: 9.48 ug/L
RT: 8.367 min Scan# 1484
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 43 Resp: 19047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.2 | 41.2 | 61.8 |
| 57 | 16.4 | 17.2 | 25.8# |

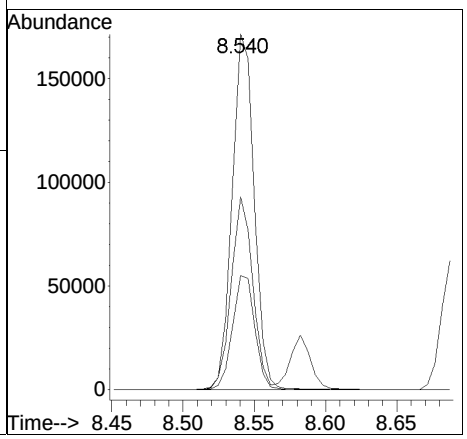


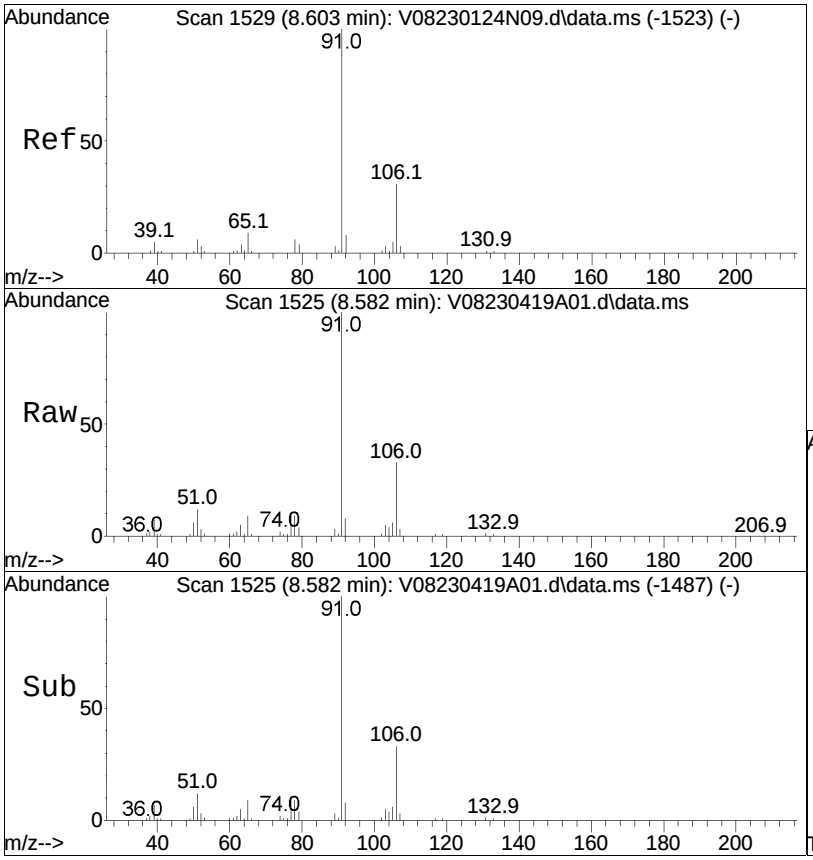



#73
Chlorobenzene
Concen: 10.10 ug/L
RT: 8.540 min Scan# 1517
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:112 Resp: 184014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 53.1 | 55.4 | 83.0# |
| 114 | 32.4 | 25.4 | 38.2 |

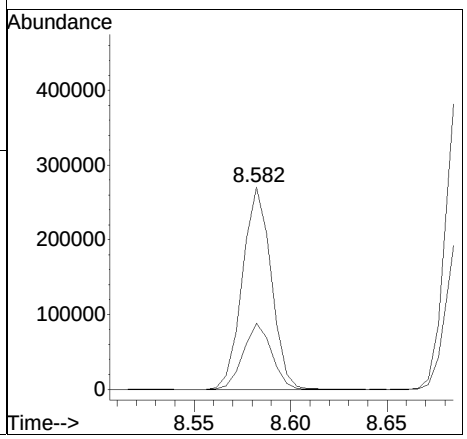


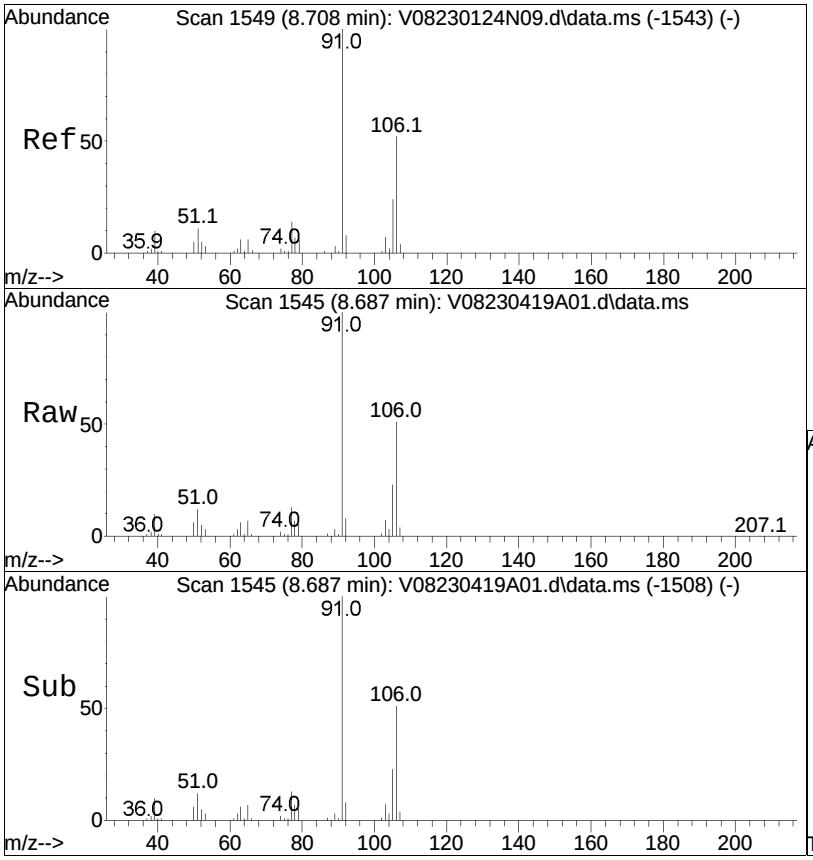



#74
Ethylbenzene
Concen: 10.35 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 91 Resp: 280980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.3 | 24.3 | 36.5 |

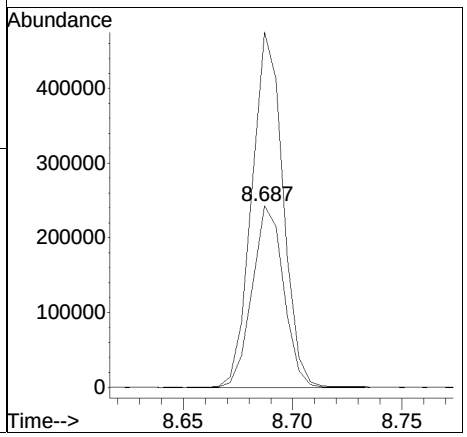


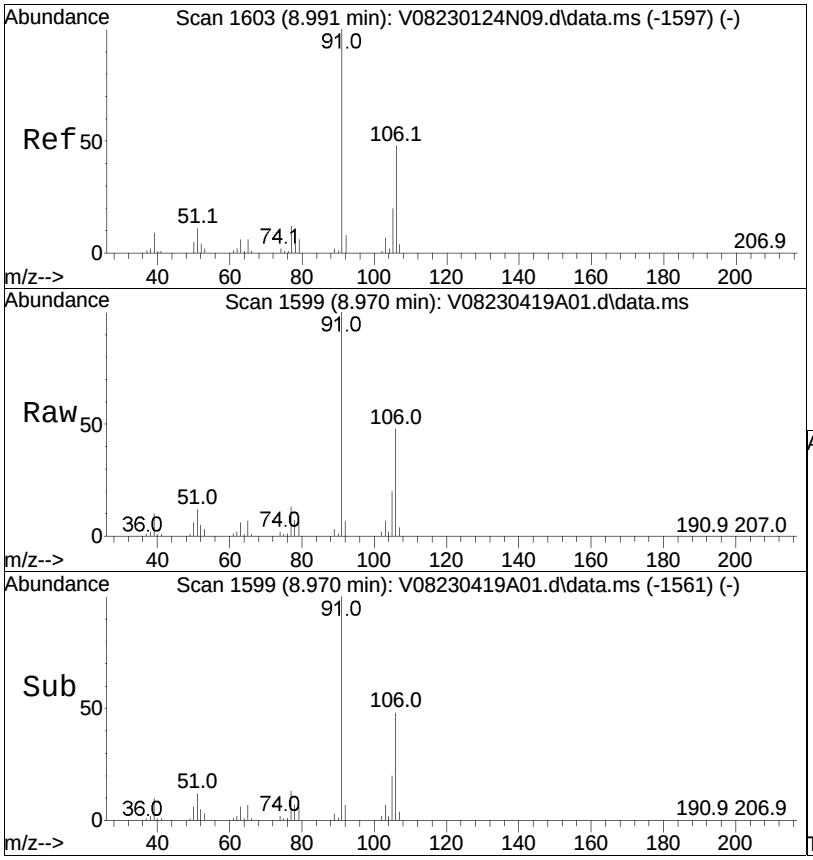



#76
p/m Xylene
Concen: 21.54 ug/L
RT: 8.687 min Scan# 1545
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:106 Resp: 243149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 194.8 | 166.4 | 249.6 |

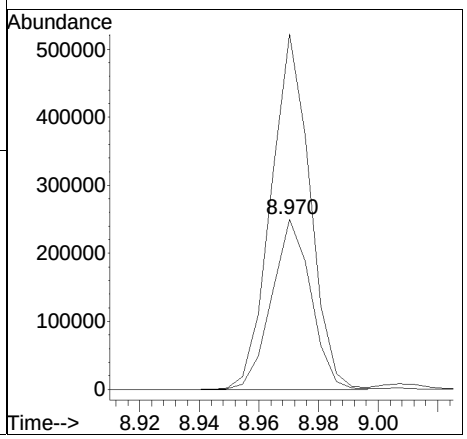


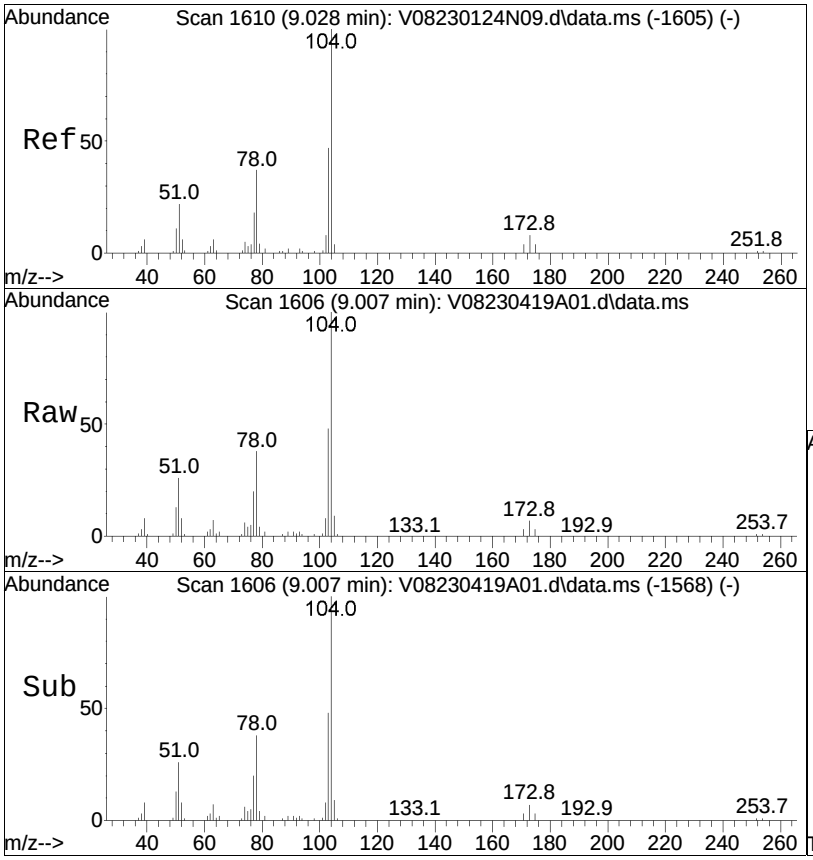



#77
o Xylene
Concen: 20.82 ug/L
RT: 8.970 min Scan# 1599
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:106 Resp: 228659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.9 | 182.6 | 273.8 |

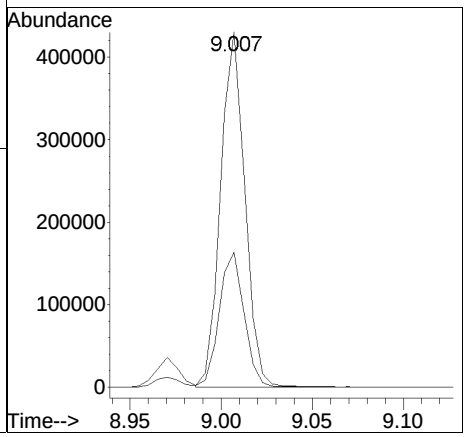


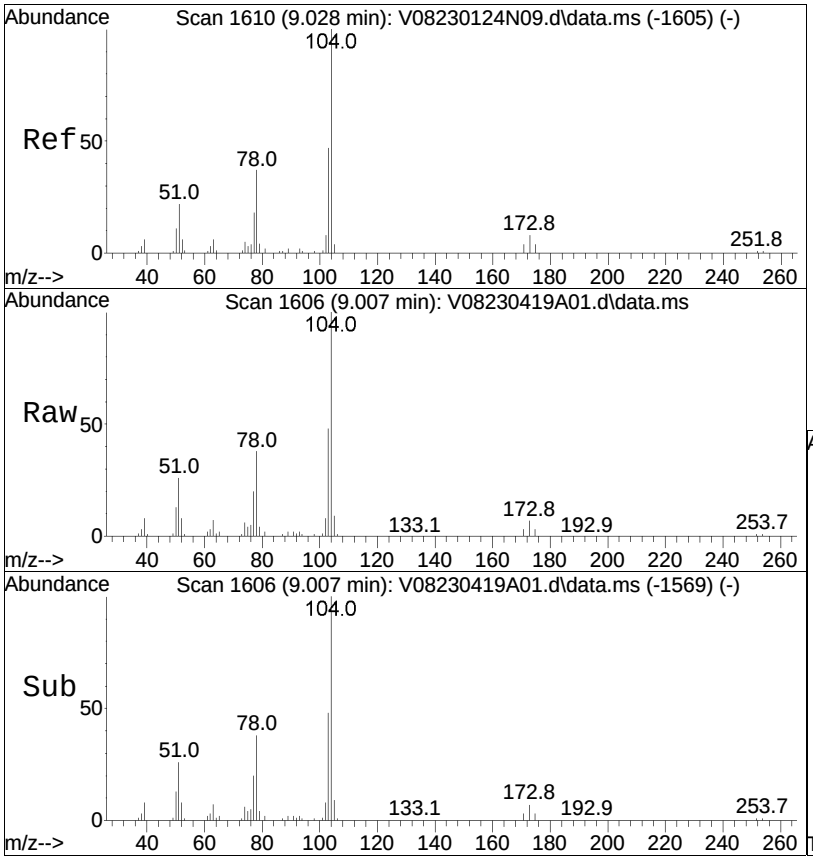



#78
Styrene
Concen: 22.06 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:104 Resp: 399622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 39.1 | 39.8 | 59.6# |

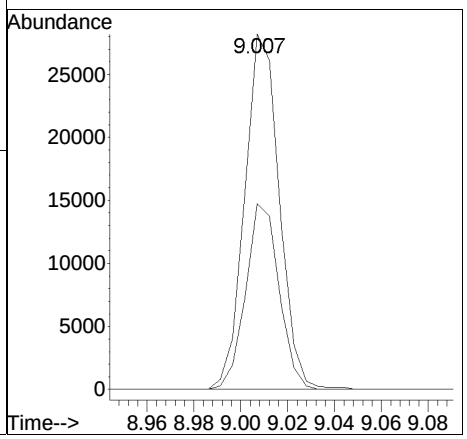


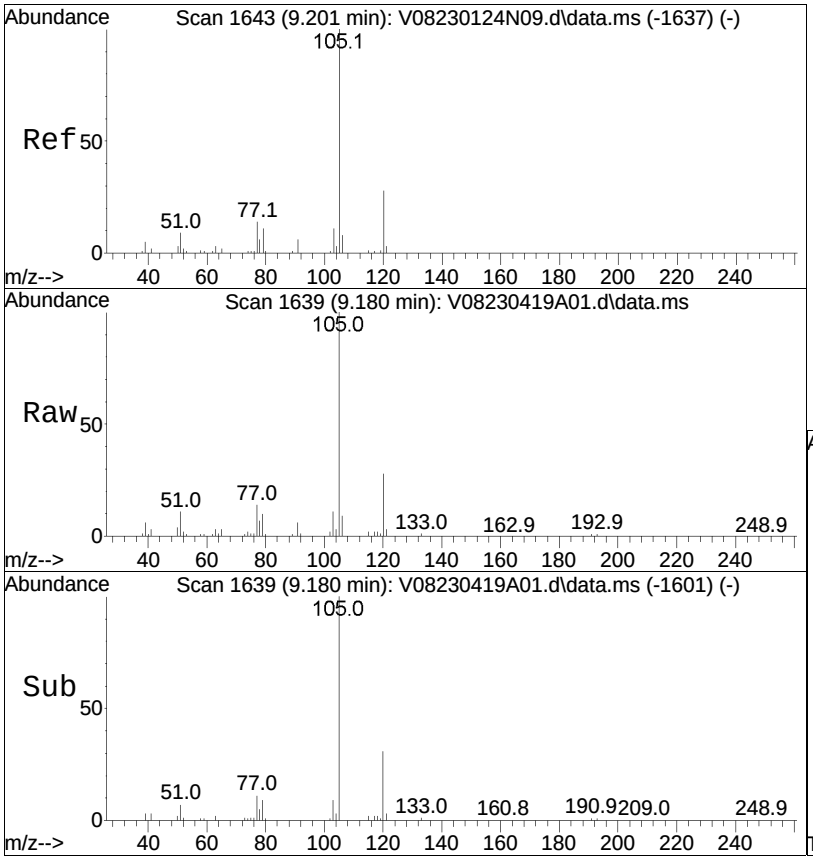



#80
Bromoform
Concen: 8.28 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.005 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:173 Resp: 28967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.4 | 31.5 | 71.5 |

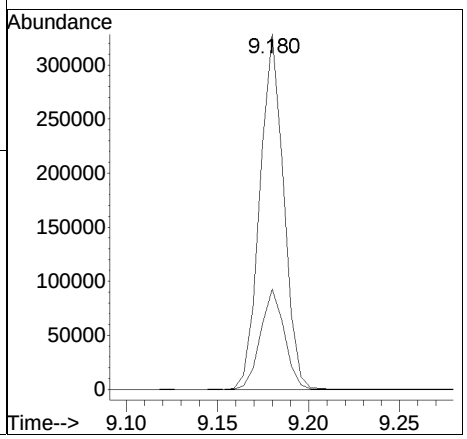


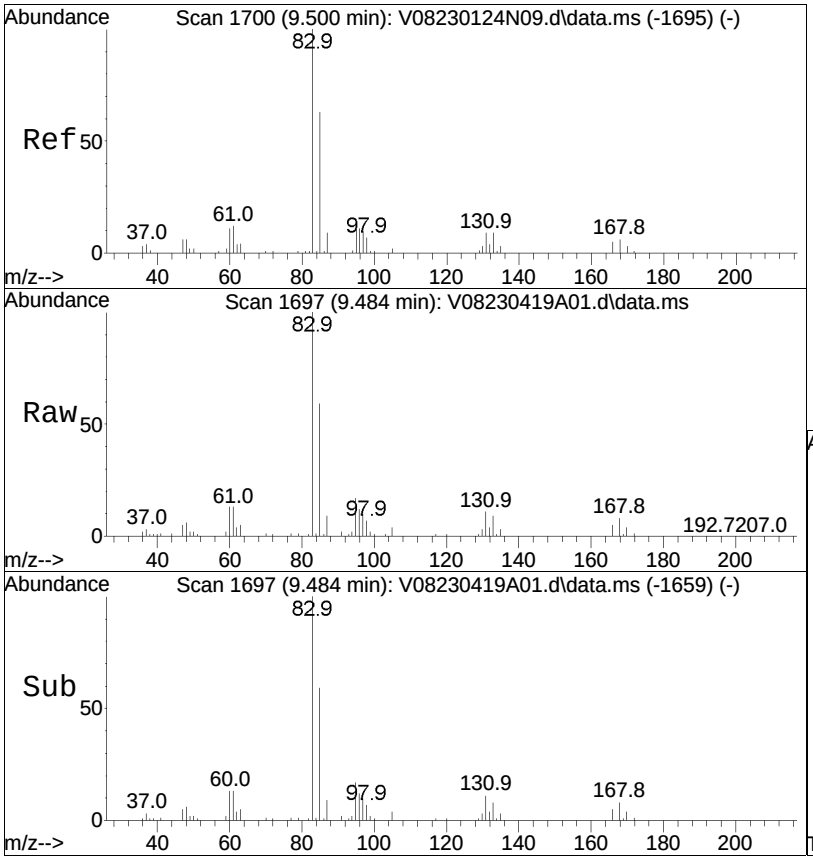



#82
Isopropylbenzene
Concen: 10.37 ug/L
RT: 9.180 min Scan# 1639
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:105 Resp: 298371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.3 | 4.8 | 44.8 |

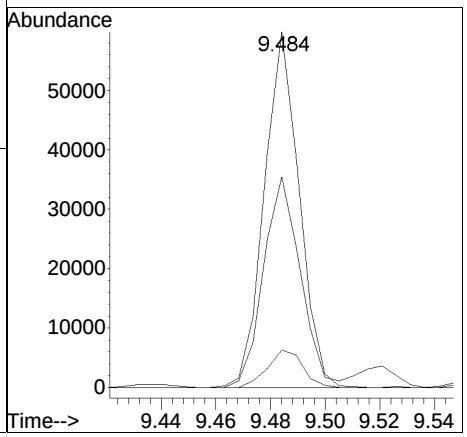


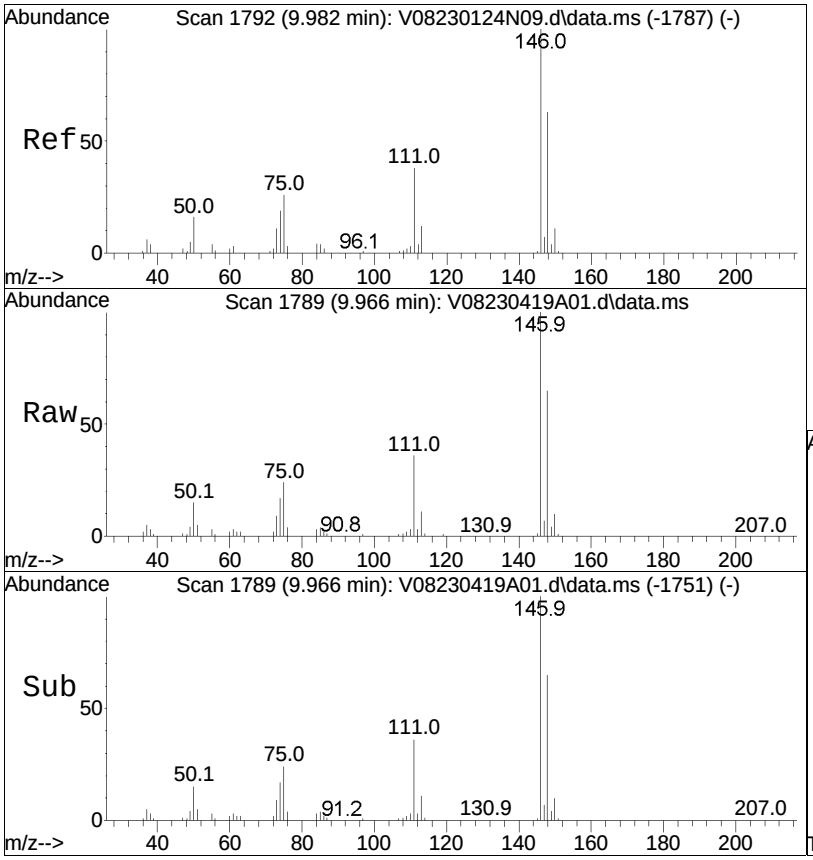



#87
1,1,2,2-Tetrachloroethane
Concen: 10.16 ug/L
RT: 9.484 min Scan# 1697
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion: 83 Resp: 53047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.6 | 0.0 | 30.4 |
| 85 | 62.7 | 45.4 | 85.4 |

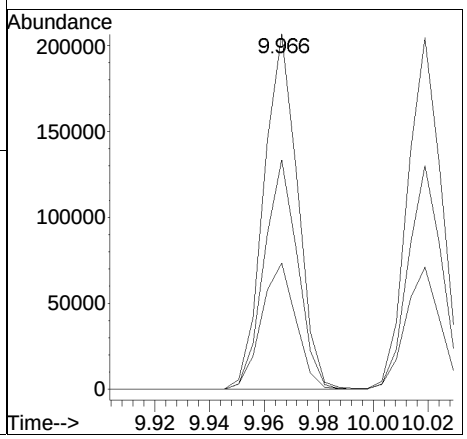


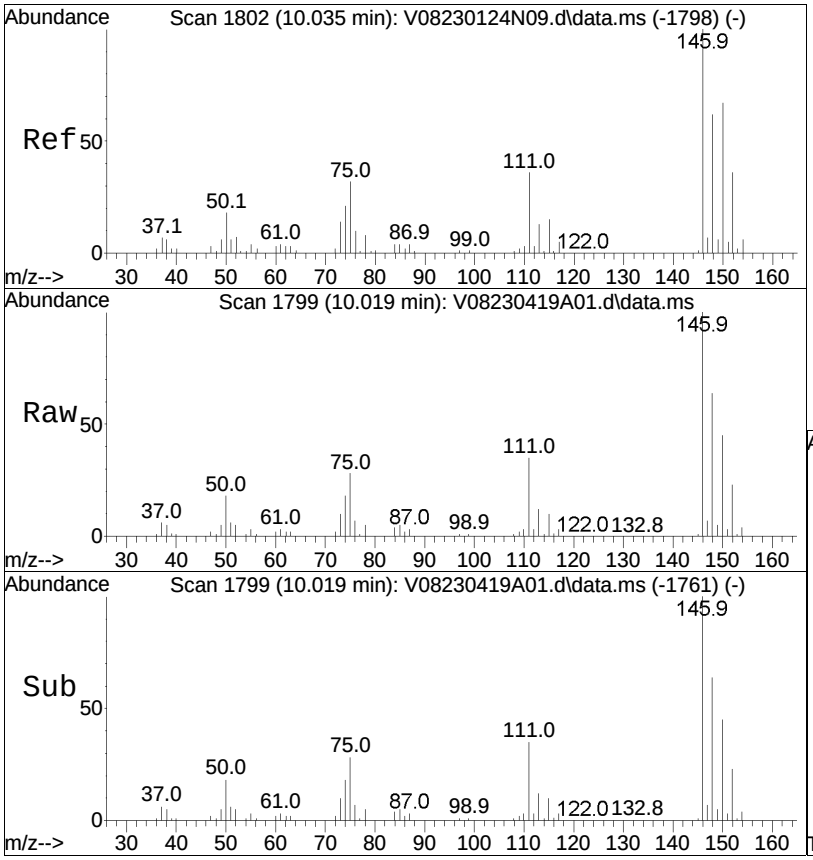



#100
1,3-Dichlorobenzene
Concen: 10.12 ug/L
RT: 9.966 min Scan# 1789
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:146 Resp: 178579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.3 | 27.5 | 57.1 |
| 148 | 63.8 | 41.9 | 86.9 |

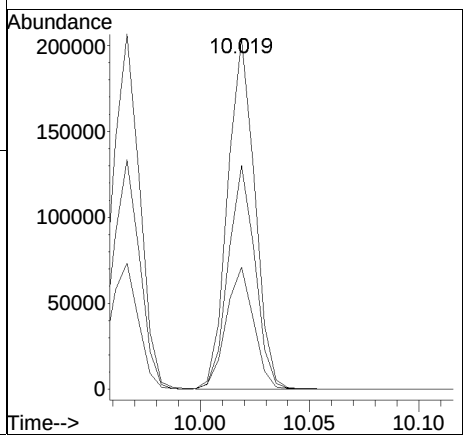


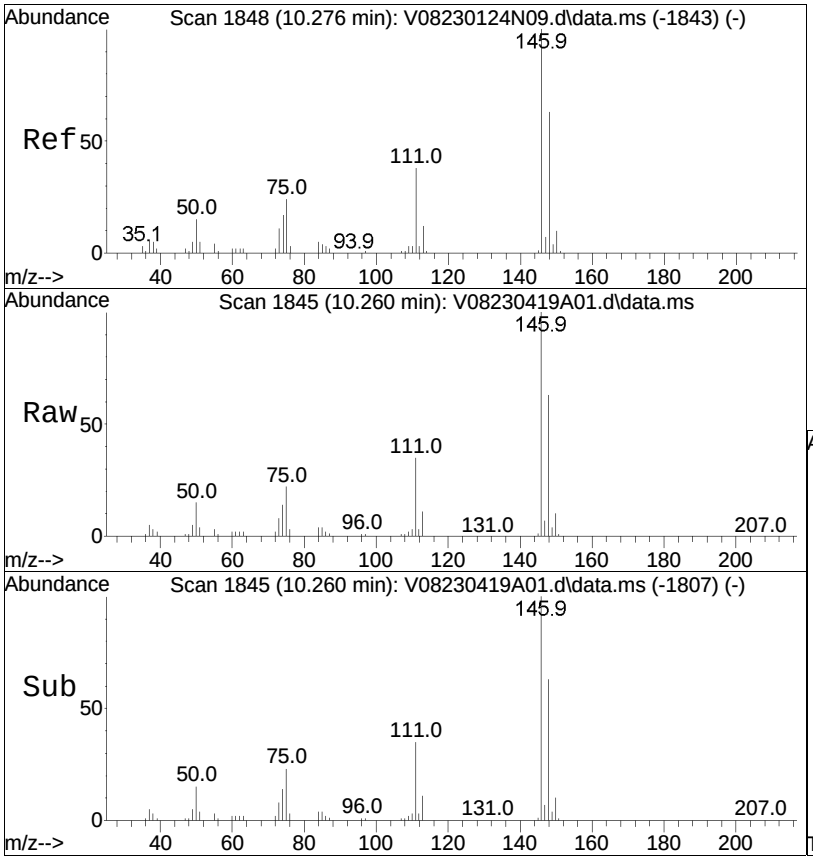



#101
1,4-Dichlorobenzene
Concen: 10.03 ug/L
RT: 10.019 min Scan# 1799
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:146 Resp: 177321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.5 | 32.3 | 48.5 |
| 148 | 63.2 | 49.9 | 74.9 |

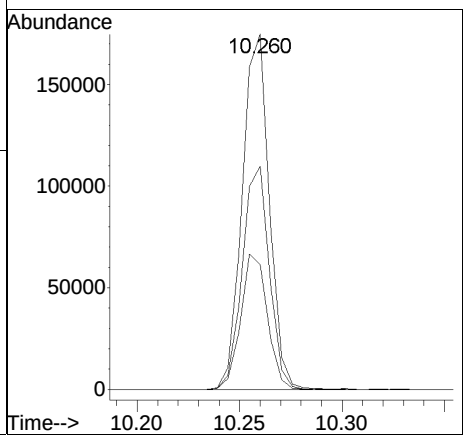


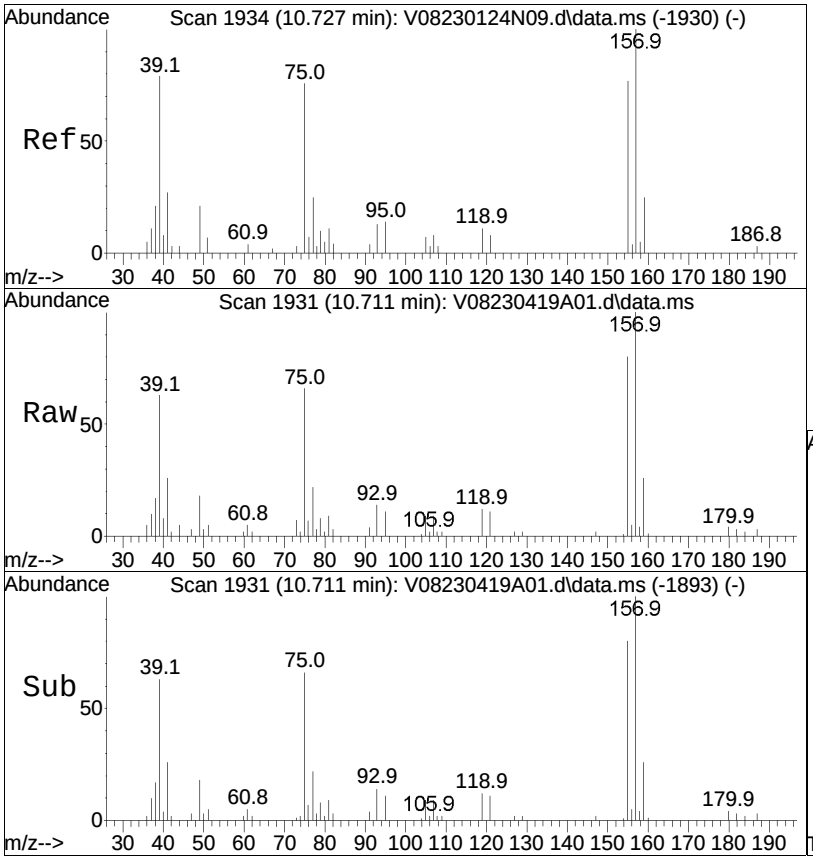



#104
1,2-Dichlorobenzene
Concen: 9.98 ug/L
RT: 10.260 min Scan# 1845
Delta R.T. 0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:146 Resp: 160309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.6 | 28.3 | 58.7 |
| 148 | 62.8 | 42.3 | 87.8 |

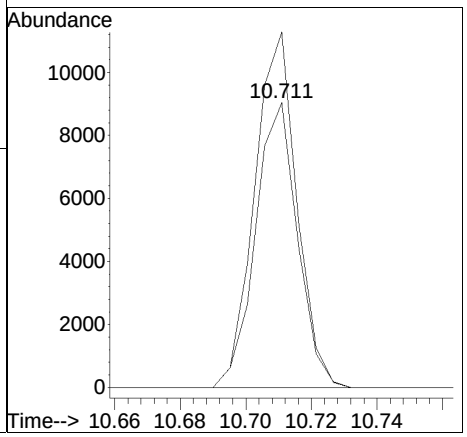


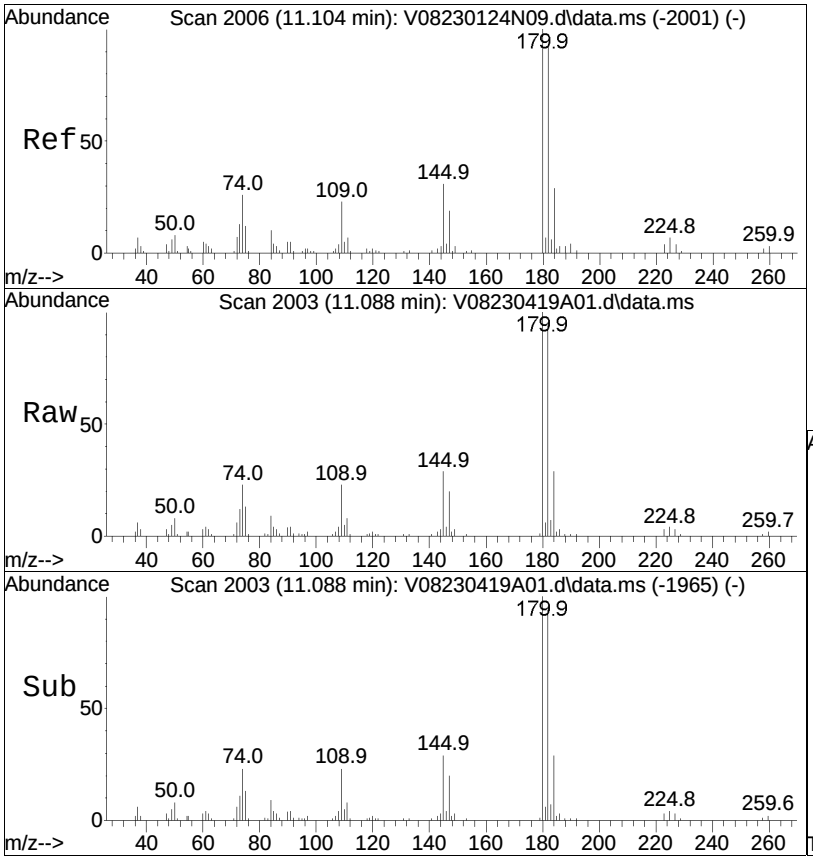



#106
1,2-Dibromo-3-chloropropane
Concen: 8.69 ug/L
RT: 10.711 min Scan# 1931
Delta R.T. -0.000 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:155 Resp: 8056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 155 | 100 | | |
| 157 | 124.8 | 94.8 | 142.2 |

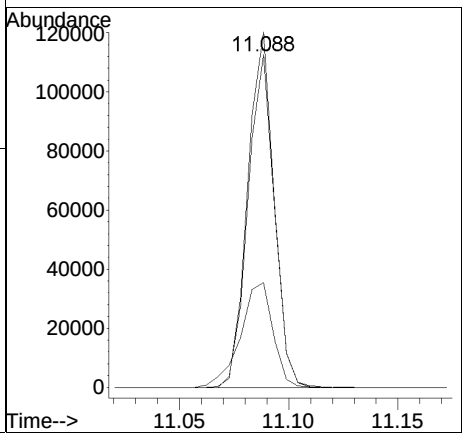


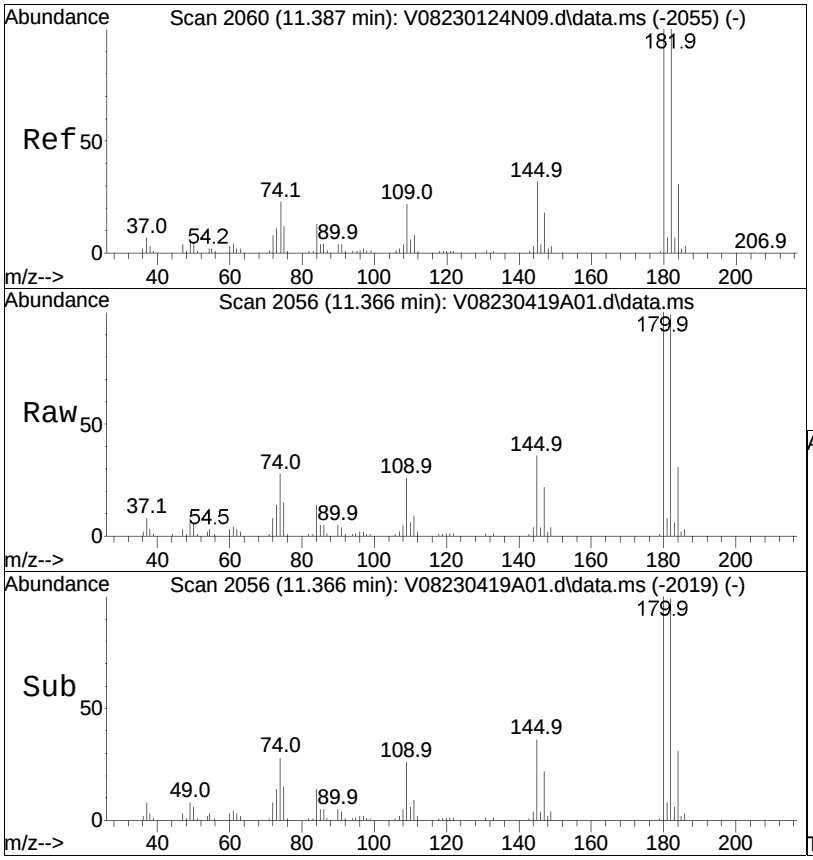



#109
1,2,4-Trichlorobenzene
Concen: 8.74 ug/L
RT: 11.088 min Scan# 2003
Delta R.T. -0.001 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:180 Resp: 100675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 77.3 | 115.9 |
| 145 | 36.4 | 28.1 | 42.1 |

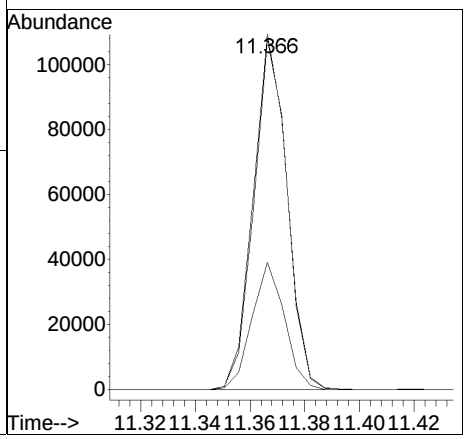





#111
1,2,3-Trichlorobenzene
Concen: 8.86 ug/L
RT: 11.366 min Scan# 2056
Delta R.T. -0.006 min
Lab File: V08230419A01.d
Acq: 19 Apr 2023 8:18 am

Tgt Ion:180 Resp: 93620

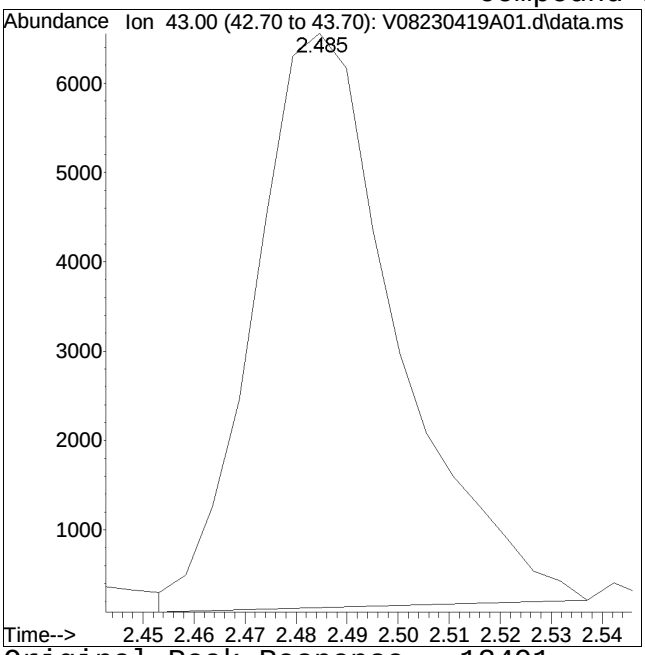
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.1 | 76.4 | 114.6 |
| 145 | 34.5 | 26.4 | 39.6 |



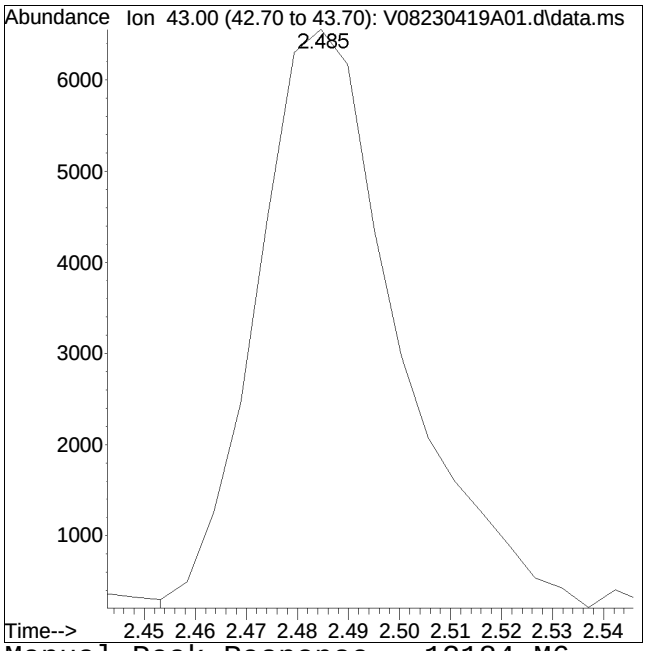
Manual Integration Report

Data Path : I:\VOLATILES\VOA108\2023\2QMethod : V108_230405N_8260.m
Data File : V08230419A01.d Operator : VOA108:PID
Date Inj'd : 4/19/2023 8:18 am Instrument : VOA 108
Sample : WG1769022-3,31,10,10 Quant Date : 4/19/2023 8:35 am

Compound #17: Acetone




Original Peak Response = 12491




Manual Peak Response = 12184 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A02.d
Acq On : 19 Apr 2023 8:39 am
Operator : VOA108:PID
Sample : WG1769022-4,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 09:41:25 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 241261 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 97.40% | | | |
| 59) Chlorobenzene-d5 | 8.530 | 117 | 208625 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 97.12% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.009 | 152 | 124201 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 95.33% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 86493 | 9.849 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.49% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 81218 | 10.190 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.90% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 245209 | 10.090 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.90% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 89031 | 9.627 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.27% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 71795 | 14.079 | ug/L | 100 |
| 3) Chloromethane | 1.122 | 50 | 90536 | 13.373 | ug/L | 99 |
| 4) Vinyl chloride | 1.174 | 62 | 77051 | 12.753 | ug/L | 98 |
| 5) Bromomethane | 1.384 | 94 | 34956 | 8.542 | ug/L | 99 |
| 6) Chloroethane | 1.468 | 64 | 55001 | 11.645 | ug/L | 97 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 108067 | 11.625 | ug/L | 97 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 60314 | 10.587 | ug/L # | 70 |
| 11) Carbon disulfide | 1.945 | 76 | 194804 | 11.212 | ug/L | 97 |
| 12) Freon-113 | 1.981 | 101 | 66021 | 11.289 | ug/L | 100 |
| 15) Methylene chloride | 2.432 | 84 | 68784 | 10.554 | ug/L | 81 |
| 17) Acetone | 2.490 | 43 | 13281 | 10.573 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 67401 | 10.347 | ug/L | 79 |
| 19) Methyl acetate | 2.626 | 43 | 32308 | 11.314 | ug/L # | 97 |
| 20) Methyl tert-butyl ether | 2.726 | 73 | 103676 | 9.615 | ug/L | 94 |
| 23) 1,1-Dichloroethane | 3.229 | 63 | 124752 | 10.646 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 73967 | 10.420 | ug/L # | 71 |
| 30) Bromochloromethane | 4.210 | 128 | 40030 | 10.501 | ug/L # | 57 |
| 31) Cyclohexane | 4.184 | 56 | 101582 | 11.443 | ug/L # | 71 |
| 32) Chloroform | 4.362 | 83 | 132138 | 11.297 | ug/L | 99 |
| 34) Carbon tetrachloride | 4.488 | 117 | 97525 | 11.853 | ug/L | 98 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A02.d
Acq On : 19 Apr 2023 8:39 am
Operator : VOA108:PID
Sample : WG1769022-4,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 09:41:25 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 4.577 | 97 | 108525 | 11.574 | ug/L | # | 97 |
| 39) 2-Butanone | 4.786 | 43 | 17671 | 11.501 | ug/L | # | 79 |
| 41) Benzene | 5.054 | 78 | 247460 | 11.614 | ug/L | | 93 |
| 44) 1,2-Dichloroethane | 5.300 | 62 | 89324 | 10.908 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.730 | 83 | 88351 | 10.338 | ug/L | | 81 |
| 48) Trichloroethene | 5.762 | 95 | 71420 | 11.542 | ug/L | | 92 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 69445 | 11.490 | ug/L | | 95 |
| 54) Bromodichloromethane | 6.417 | 83 | 89263 | 10.945 | ug/L | | 98 |
| 57) 1,4-Dioxane | 6.642 | 88 | 16430 | 495.625 | ug/L | # | 81 |
| 58) cis-1,3-Dichloropropene | 7.067 | 75 | 82236 | 10.053 | ug/L | | 97 |
| 61) Toluene | 7.298 | 92 | 156228 | 11.136 | ug/L | | 99 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 11048 | 10.151 | ug/L | # | 84 |
| 63) Tetrachloroethene | 7.654 | 166 | 73052 | 10.583 | ug/L | | 89 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 66904 | 9.817 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 39311 | 11.043 | ug/L | | 93 |
| 69) Chlorodibromomethane | 7.974 | 129 | 57567 | 9.646 | ug/L | | 97 |
| 71) 1,2-Dibromoethane | 8.132 | 107 | 47730 | 10.304 | ug/L | | 100 |
| 72) 2-Hexanone | 8.367 | 43 | 20034 | 10.263 | ug/L | # | 95 |
| 73) Chlorobenzene | 8.546 | 112 | 189471 | 10.709 | ug/L | # | 87 |
| 74) Ethylbenzene | 8.582 | 91 | 291373 | 11.054 | ug/L | | 97 |
| 76) p/m Xylene | 8.693 | 106 | 247303 | 22.560 | ug/L | | 91 |
| 77) o Xylene | 8.970 | 106 | 233102 | 21.851 | ug/L | | 87 |
| 78) Styrene | 9.007 | 104 | 412062 | 23.424 | ug/L | # | 84 |
| 80) Bromoform | 9.012 | 173 | 30691 | 9.199 | ug/L | | 98 |
| 82) Isopropylbenzene | 9.180 | 105 | 300374 | 10.953 | ug/L | | 94 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 55763 | 11.204 | ug/L | | 99 |
| 100) 1,3-Dichlorobenzene | 9.967 | 146 | 182203 | 10.832 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 180833 | 10.729 | ug/L | | 97 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 163692 | 10.686 | ug/L | | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 8539 | 9.661 | ug/L | | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 105318 | 9.590 | ug/L | | 99 |
| 111) 1,2,3-Trichlorobenzene | 11.366 | 180 | 98951 | 9.820 | ug/L | | 99 |

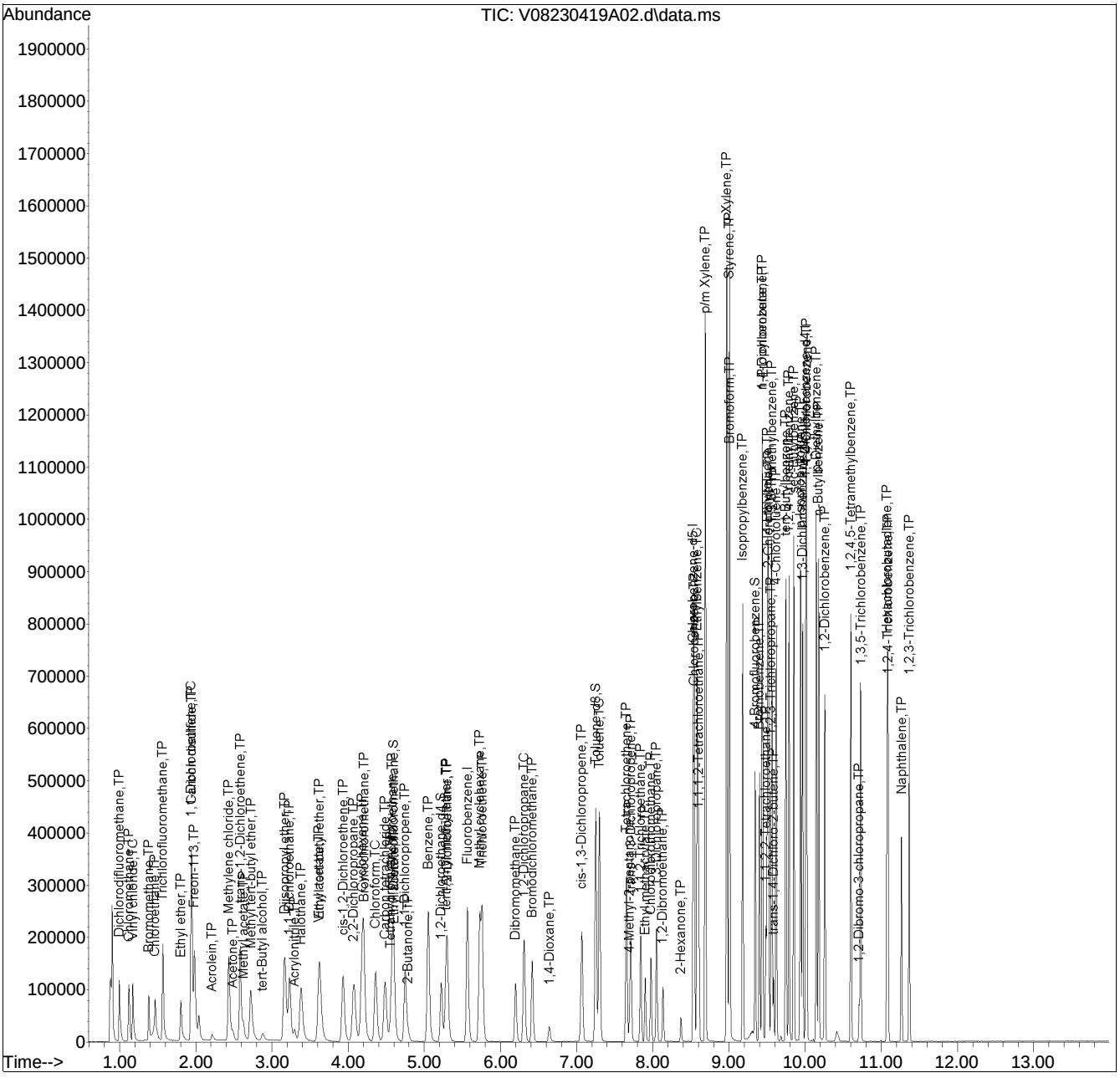
(#) = qualifier out of range (m) = manual integration (+) = signals summed

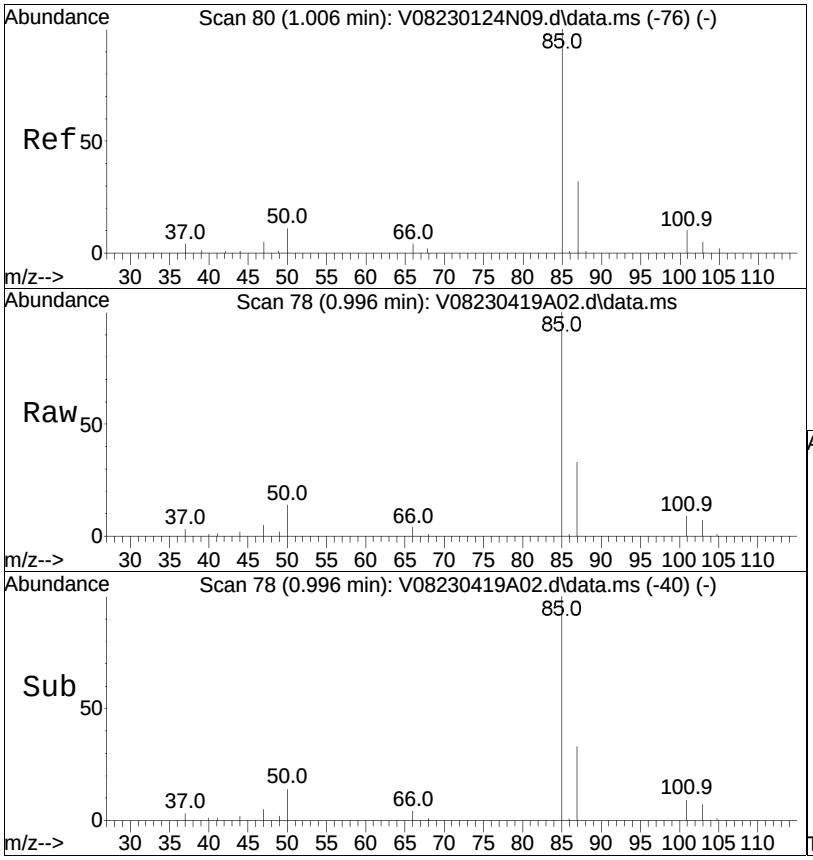
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A02.d
Acq On : 19 Apr 2023 8:39 am
Operator : VOA108:PID
Sample : WG1769022-4,31,10,10
Misc : WG1769022,ICAL19890
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 09:41:25 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

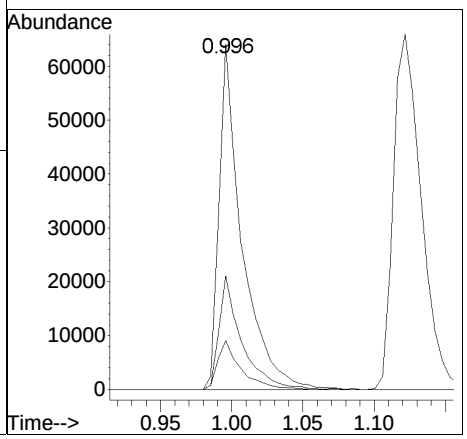


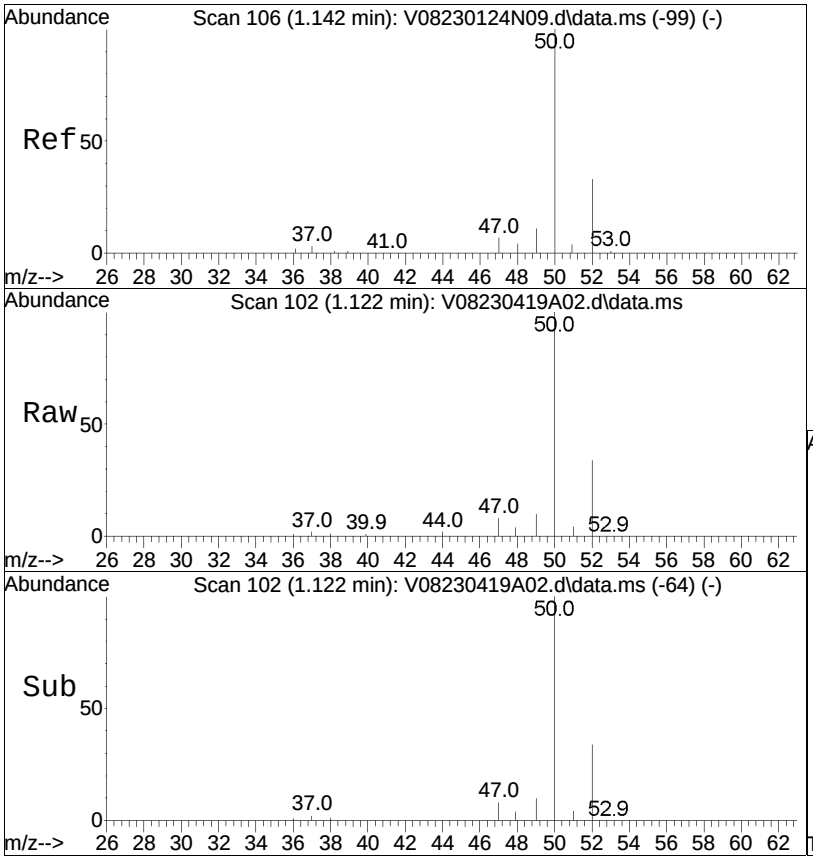



#2
Dichlorodifluoromethane
Concen: 14.08 ug/L
RT: 0.996 min Scan# 78
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 85 Resp: 71795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 21.0 | 43.6 |
| 50 | 14.3 | 8.9 | 18.5 |

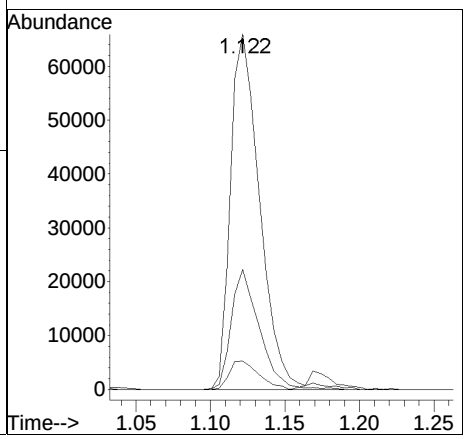


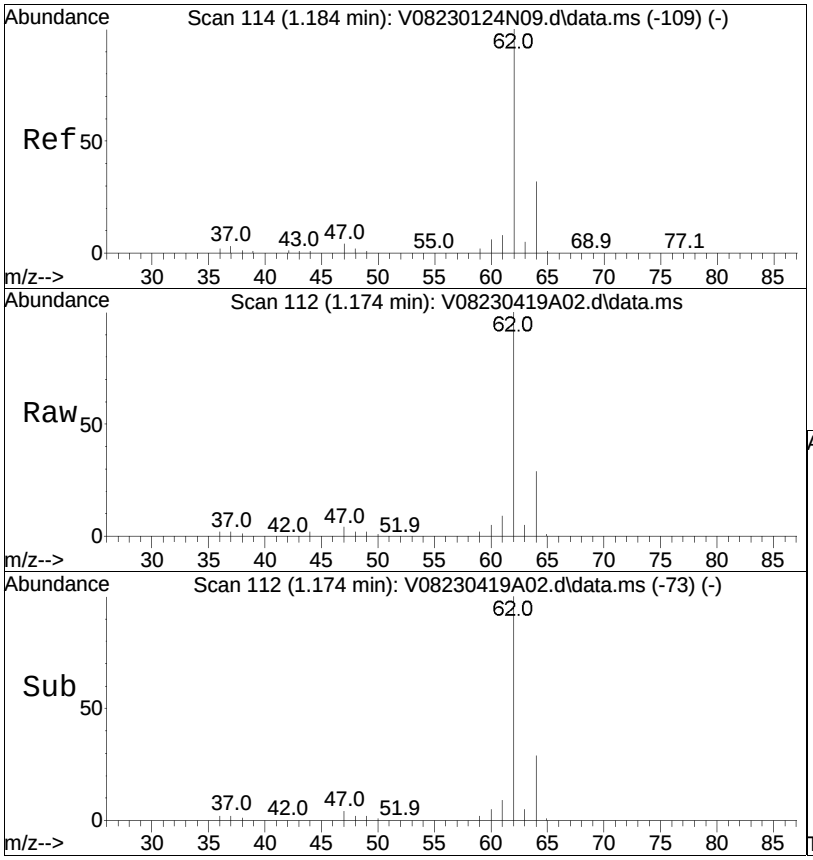



#3
Chloromethane
Concen: 13.37 ug/L
RT: 1.122 min Scan# 102
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 50 Resp: 90536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 12.9 | 52.9 |
| 47 | 8.0 | 0.0 | 28.3 |

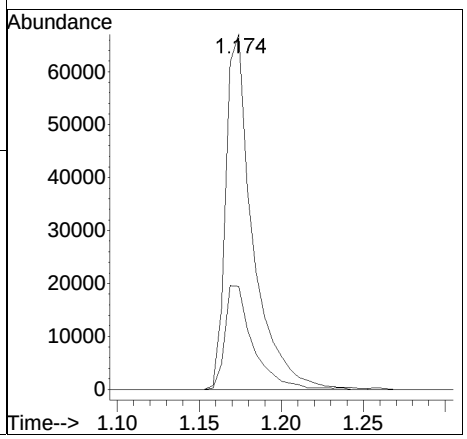


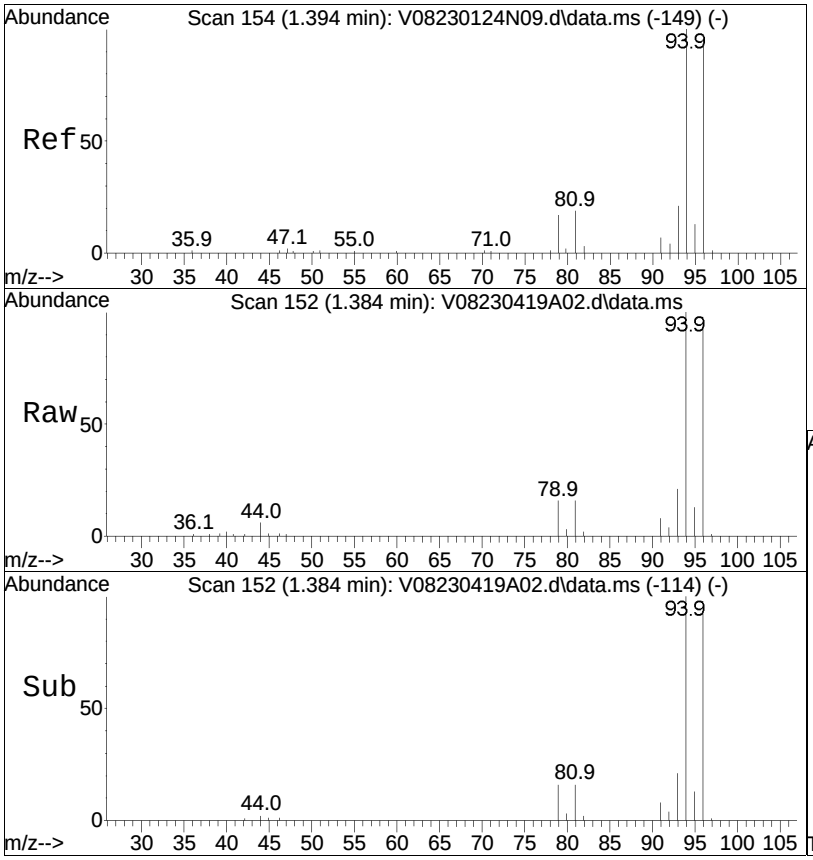



#4
Vinyl chloride
Concen: 12.75 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 62 Resp: 77051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.4 | 9.1 | 49.1 |

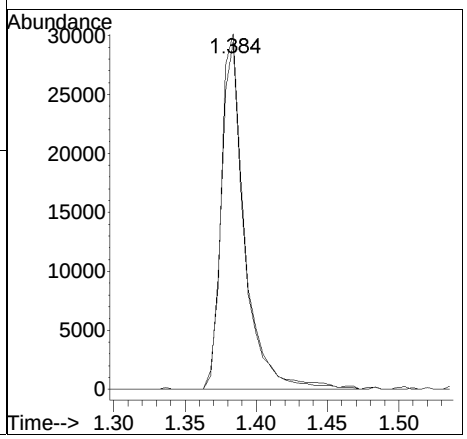


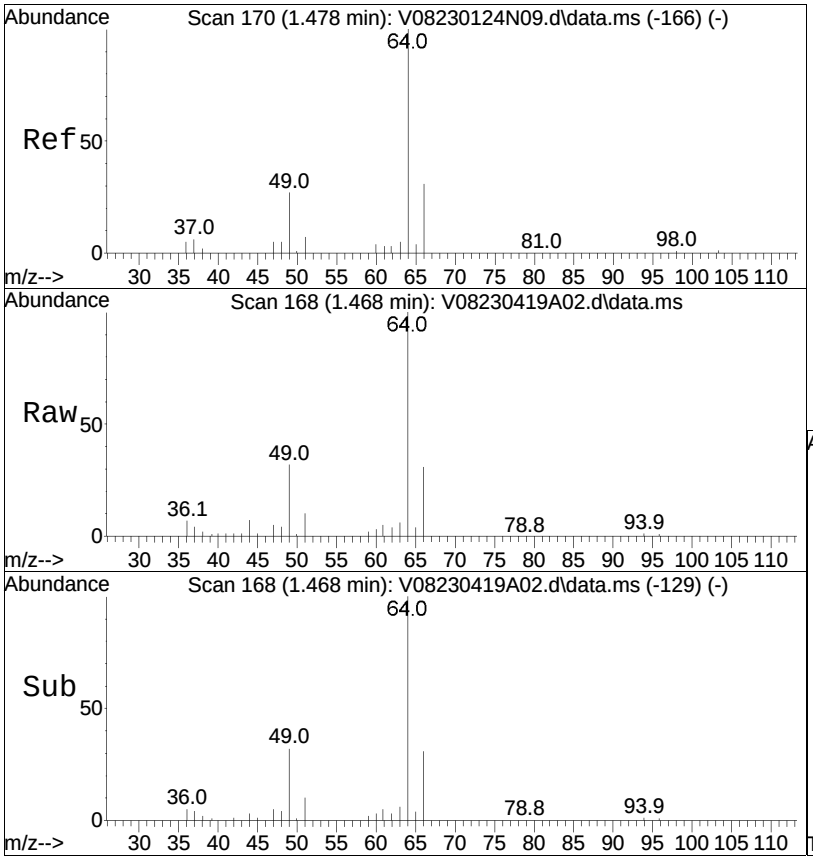



#5
Bromomethane
Concen: 8.54 ug/L
RT: 1.384 min Scan# 152
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 94 Resp: 34956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.9 | 75.6 | 115.6 |

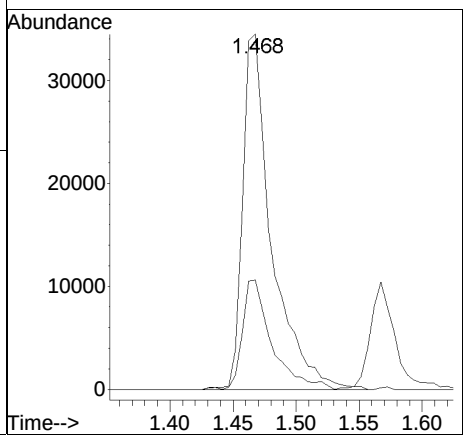


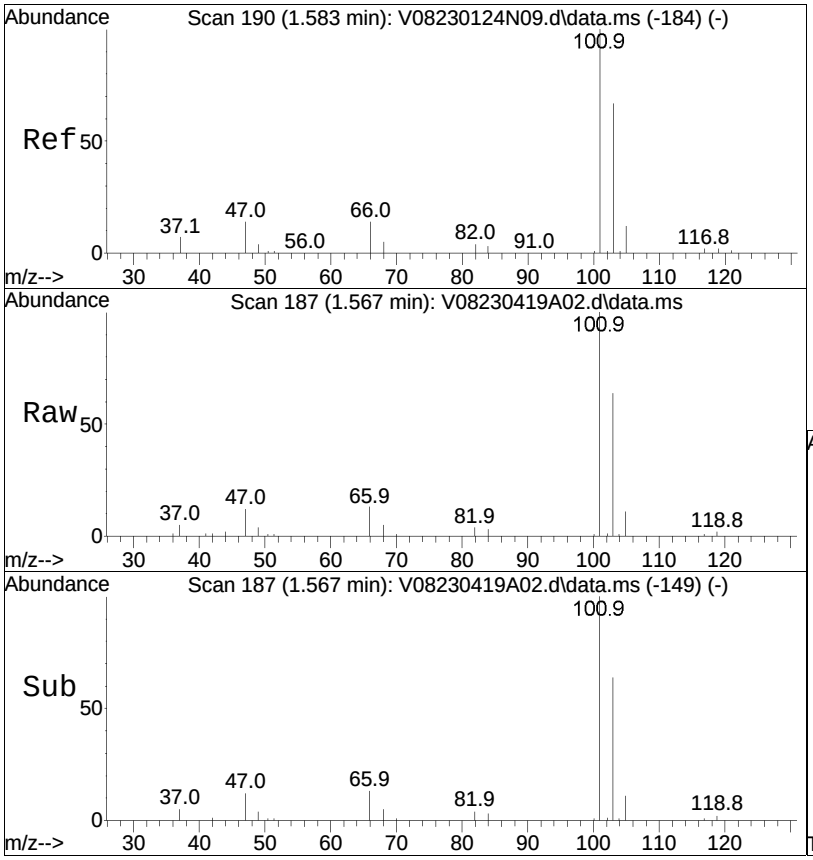



#6
Chloroethane
Concen: 11.64 ug/L
RT: 1.468 min Scan# 168
Delta R.T. 0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 64 Resp: 55001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 9.8 | 49.8 |

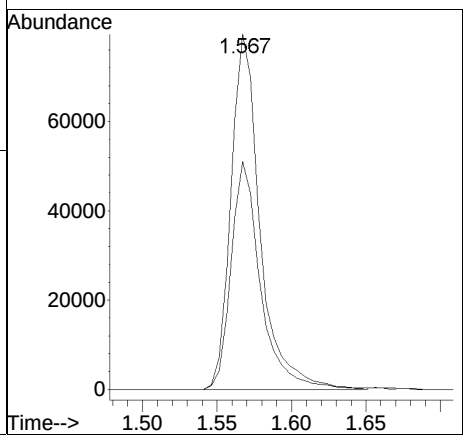


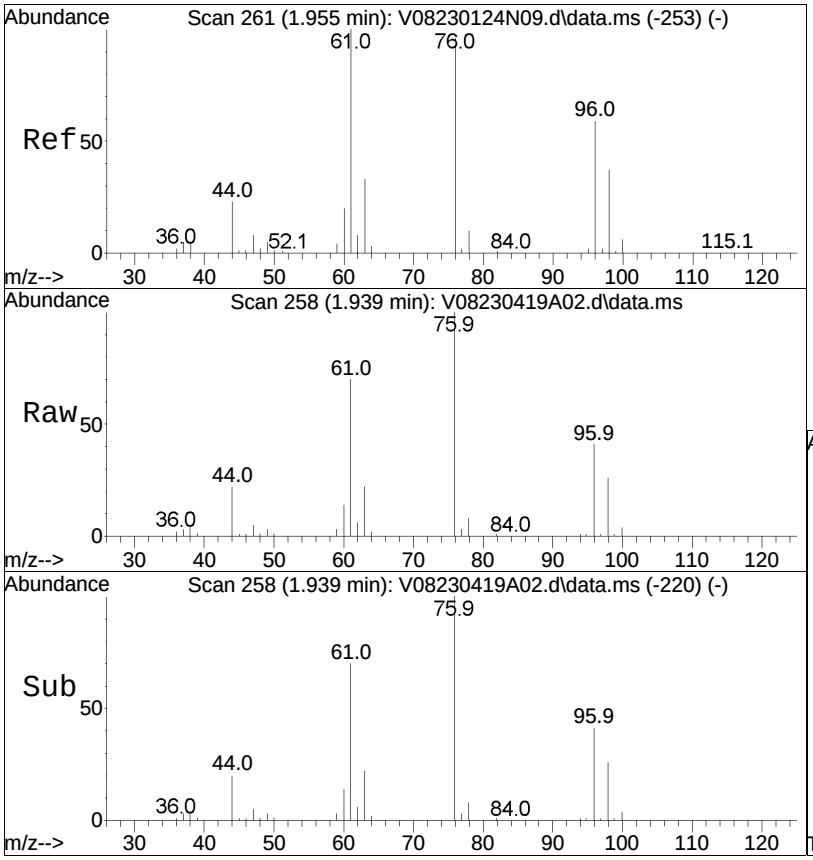



#7
Trichlorofluoromethane
Concen: 11.62 ug/L
RT: 1.567 min Scan# 187
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:101 Resp: 108067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 53.8 | 80.6 |

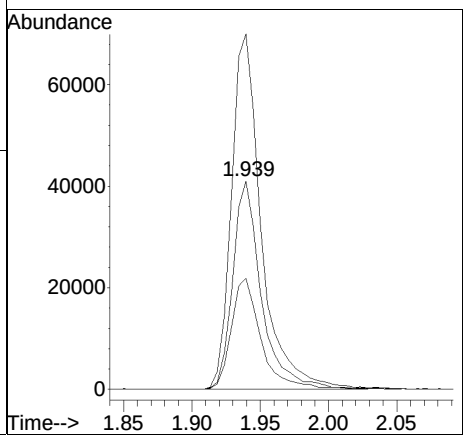


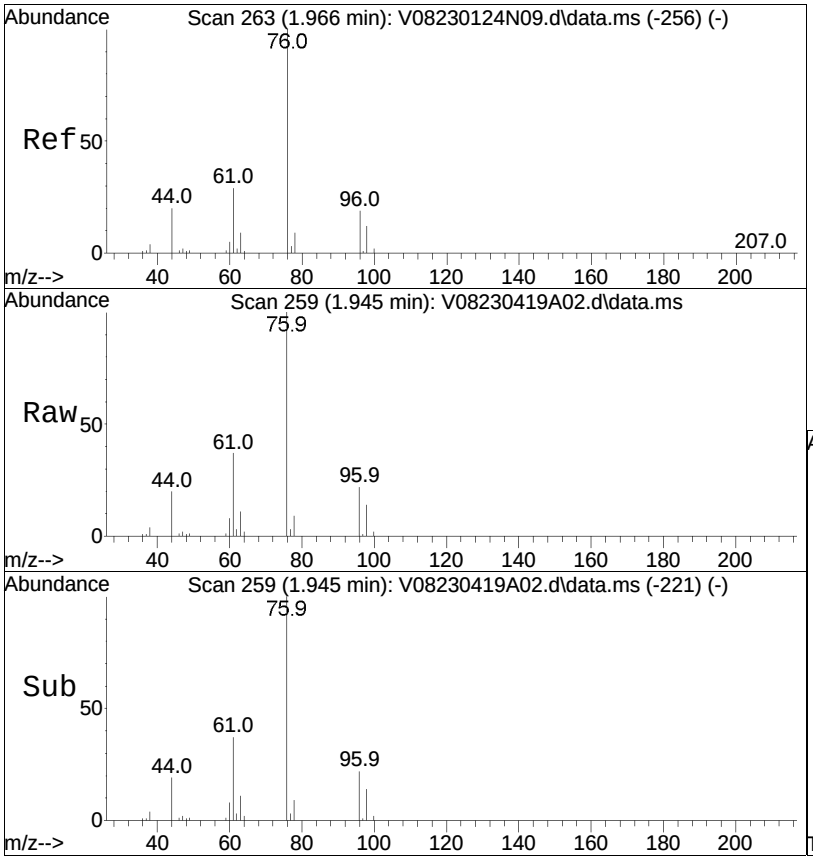



#10
1,1-Dichloroethene
Concen: 10.59 ug/L
RT: 1.939 min Scan# 258
Delta R.T. -0.001 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 96 Resp: 60314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.6 | 186.1 | 279.1# |
| 63 | 55.4 | 57.6 | 86.4# |

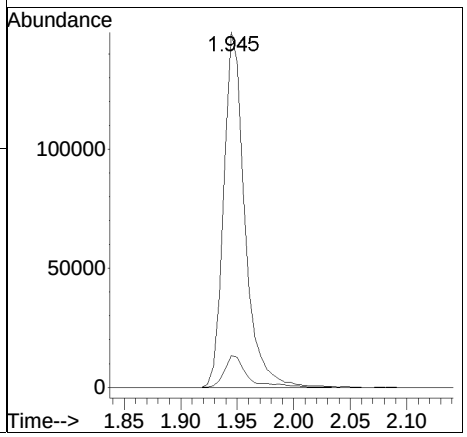


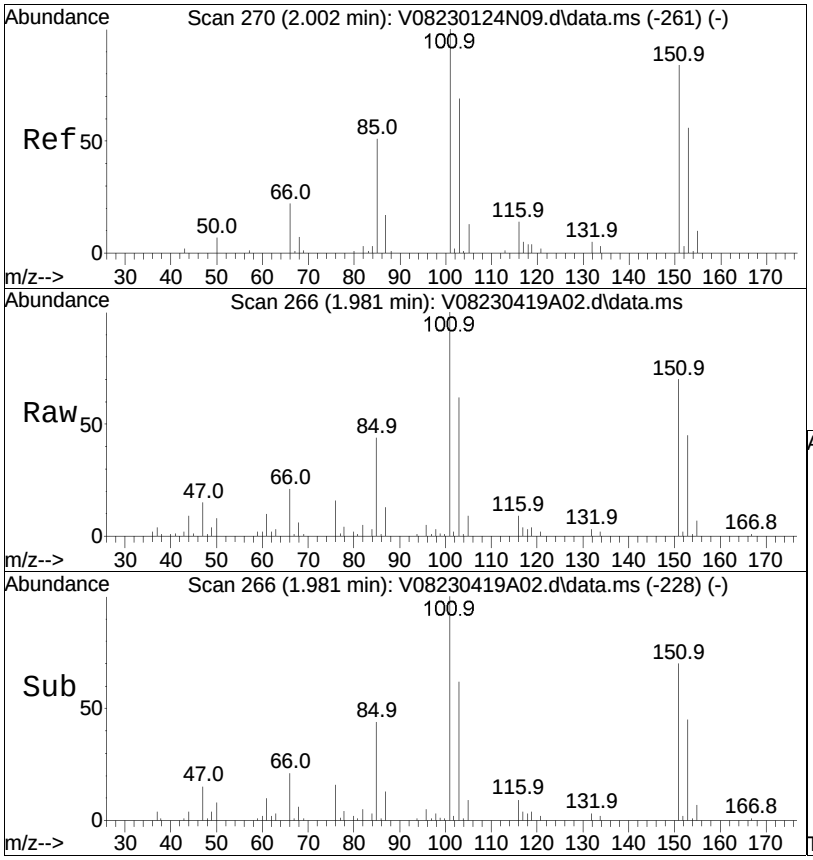



#11
Carbon disulfide
Concen: 11.21 ug/L
RT: 1.945 min Scan# 259
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 76 Resp: 194804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 5.7 | 11.7 |

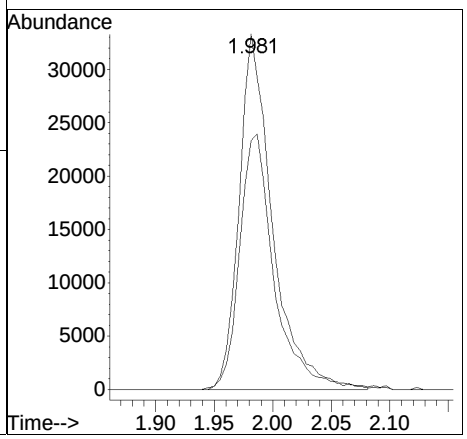


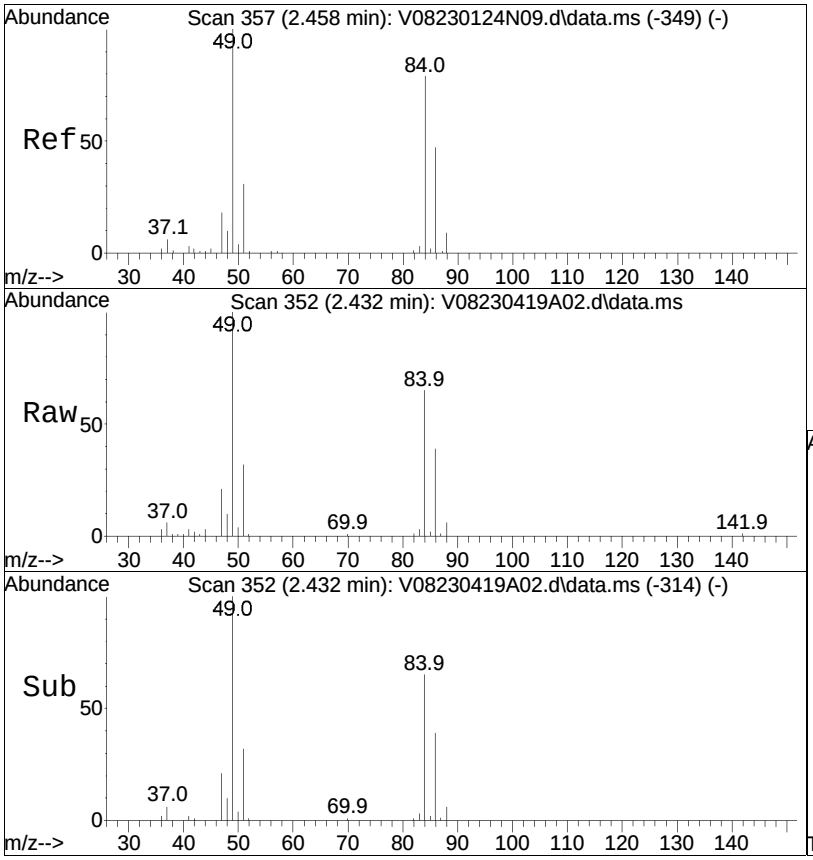



#12
Freon-113
Concen: 11.29 ug/L
RT: 1.981 min Scan# 266
Delta R.T. -0.001 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:101 Resp: 66021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 74.5 | 59.8 | 89.8 |

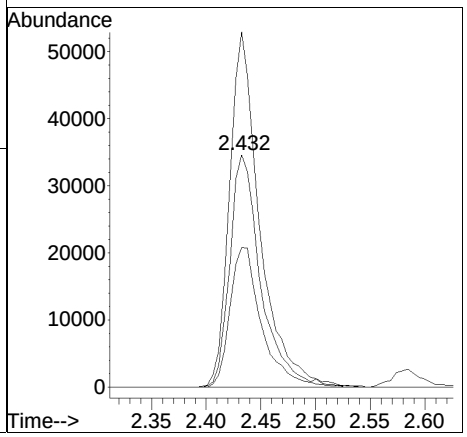


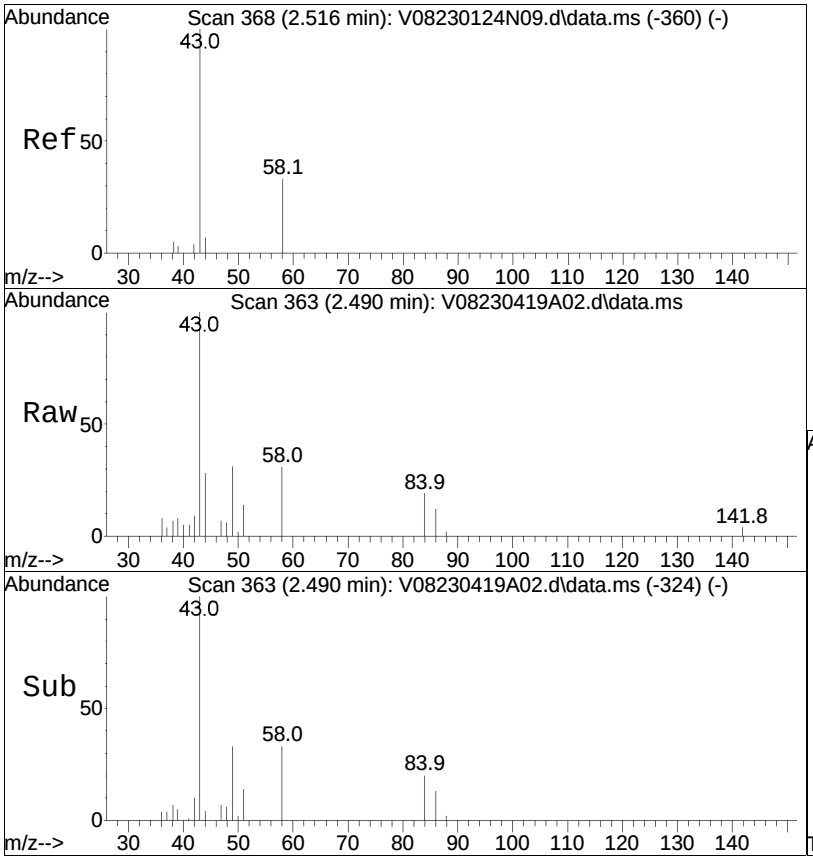



#15
Methylene chloride
Concen: 10.55 ug/L
RT: 2.432 min Scan# 352
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 84 Resp: 68784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.3 | 40.4 | 83.8 |
| 49 | 149.0 | 120.0 | 249.2 |

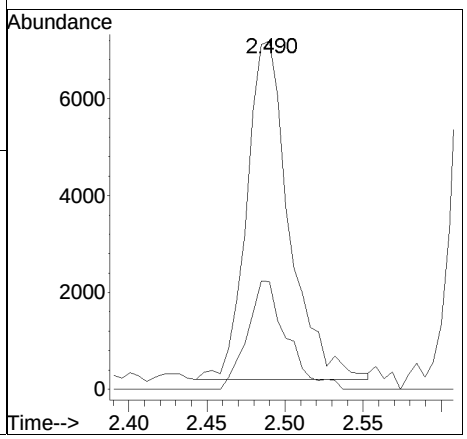


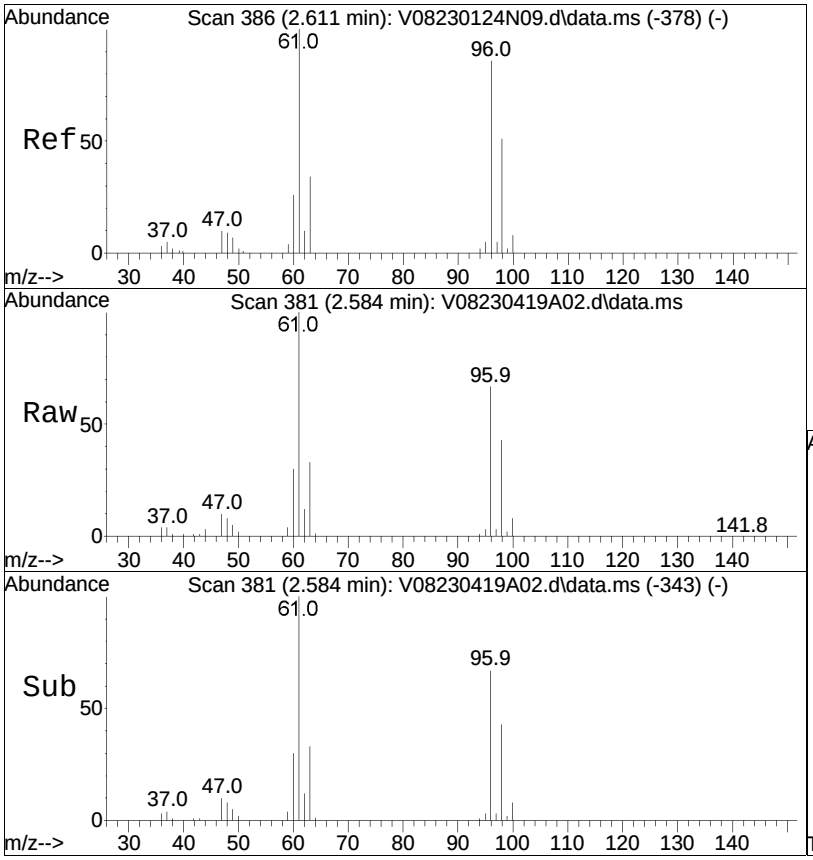



#17
Acetone
Concen: 10.57 ug/L
RT: 2.490 min Scan# 363
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 43 Resp: 13281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 24.2 | 36.4 |

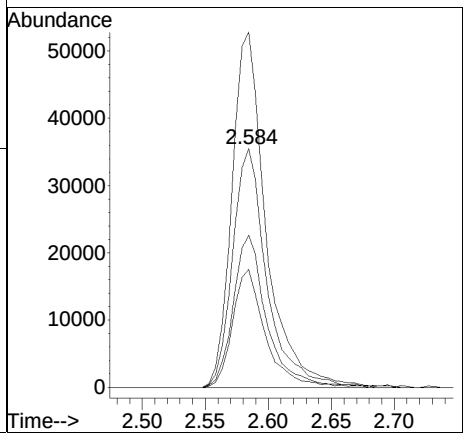


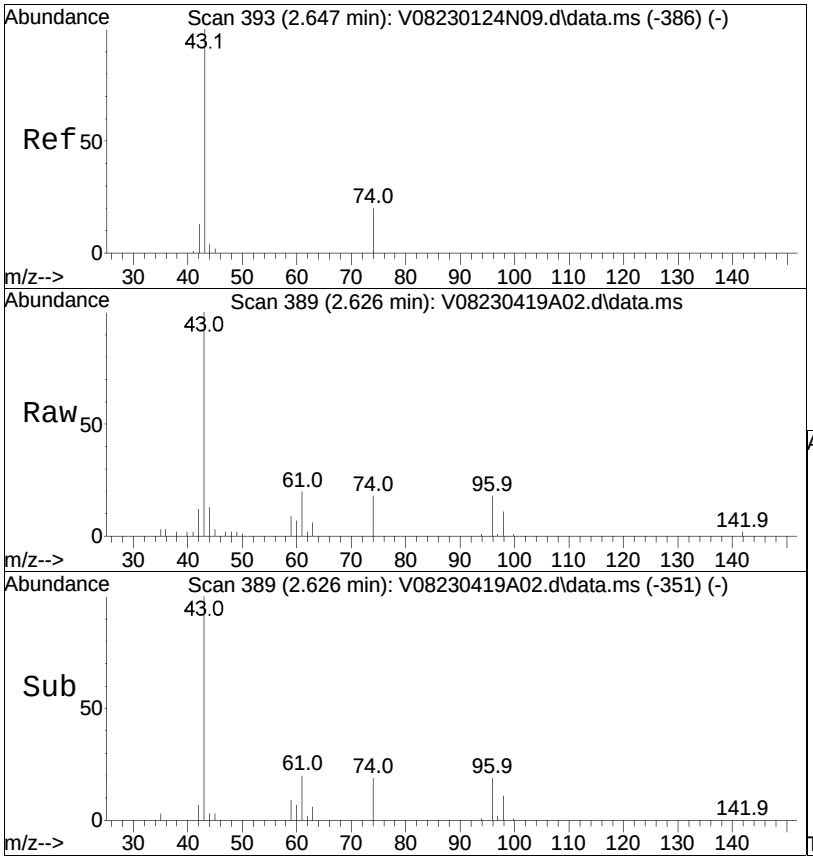



#18
trans-1,2-Dichloroethene
Concen: 10.35 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 96 Resp: 67401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.0 | 124.0 | 257.6 |
| 98 | 62.5 | 41.2 | 85.6 |
| 63 | 47.4 | 38.4 | 79.7 |

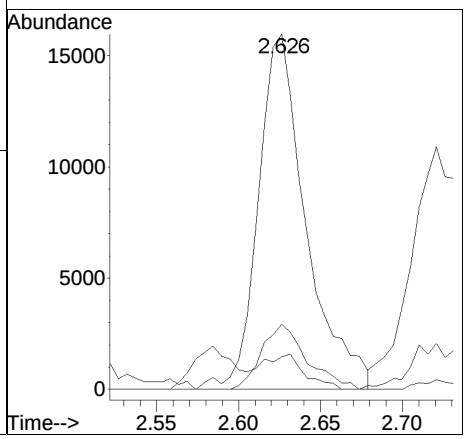


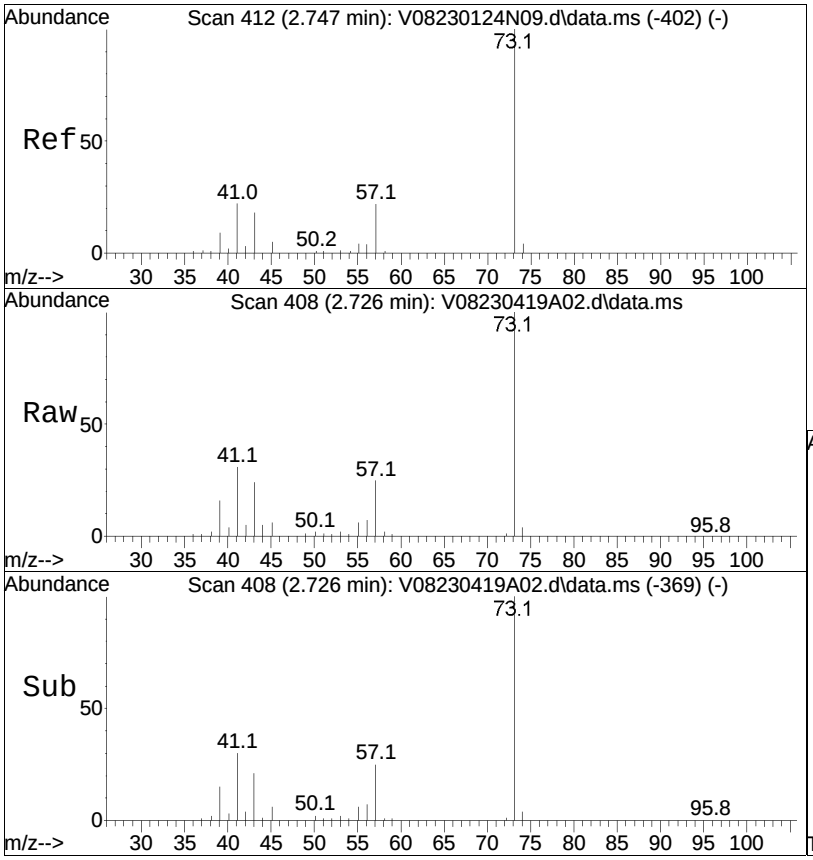



#19
Methyl acetate
Concen: 11.31 ug/L
RT: 2.626 min Scan# 389
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 43 Resp: 32308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 17.4 | 14.2 | 21.4 |
| 59 | 8.9 | 5.0 | 7.6# |

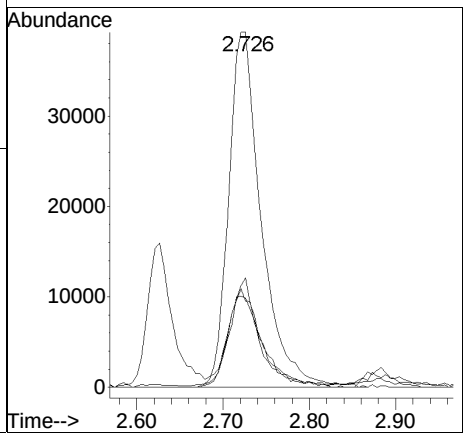


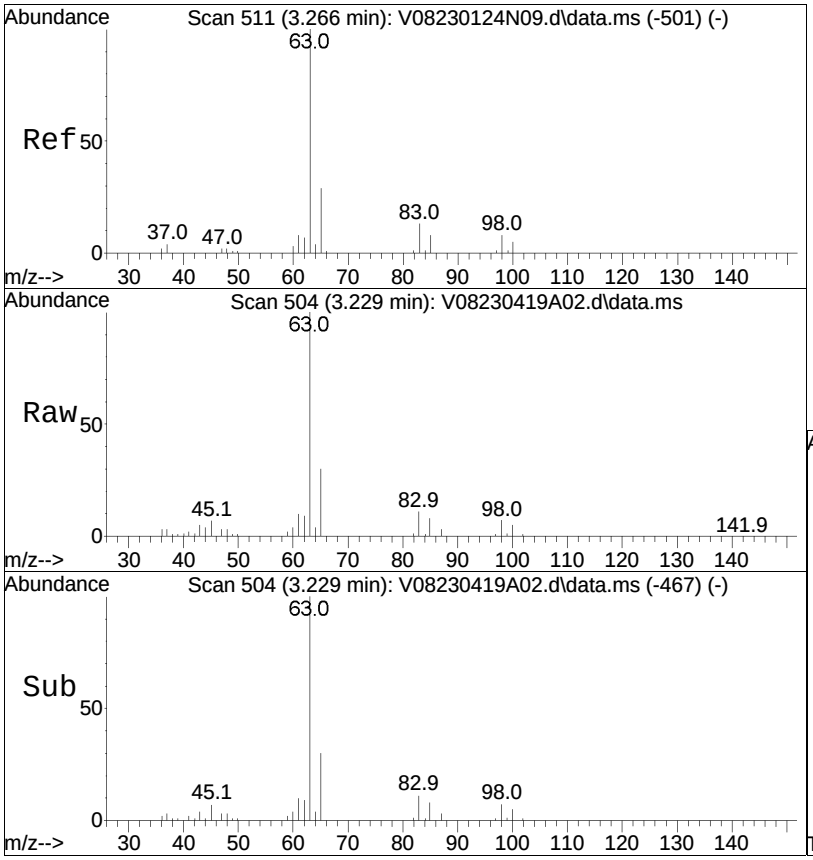



#20
Methyl tert-butyl ether
Concen: 9.62 ug/L
RT: 2.726 min Scan# 408
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 73 Resp: 103676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.5 | 17.5 | 36.3 |
| 43 | 27.2 | 15.3 | 31.9 |
| 41 | 28.5 | 15.3 | 31.7 |

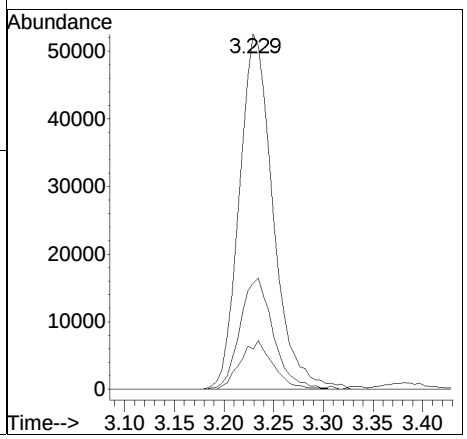


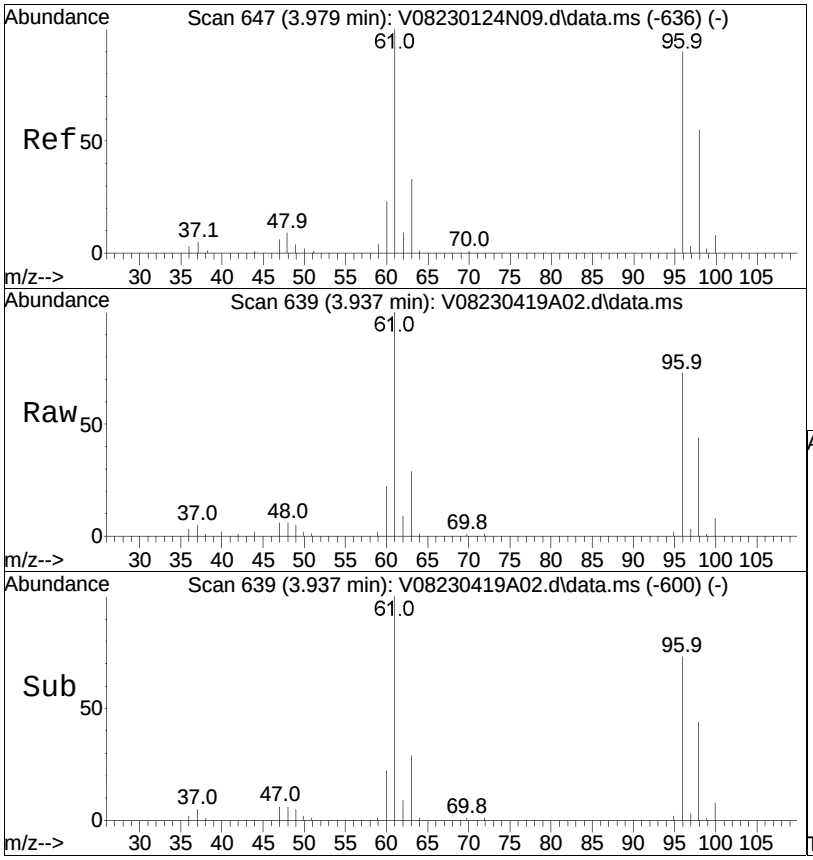



#23
1,1-Dichloroethane
Concen: 10.65 ug/L
RT: 3.229 min Scan# 504
Delta R.T. -0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 63 Resp: 124752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 11.0 | 51.0 |
| 83 | 13.3 | 0.0 | 31.8 |

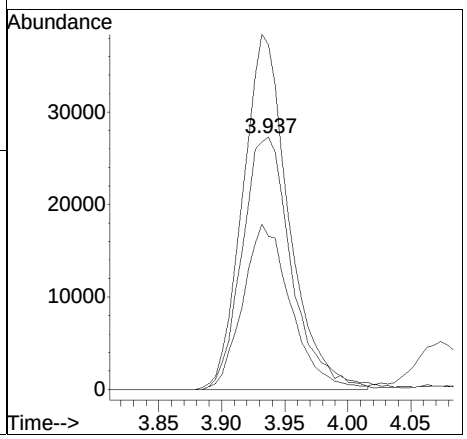


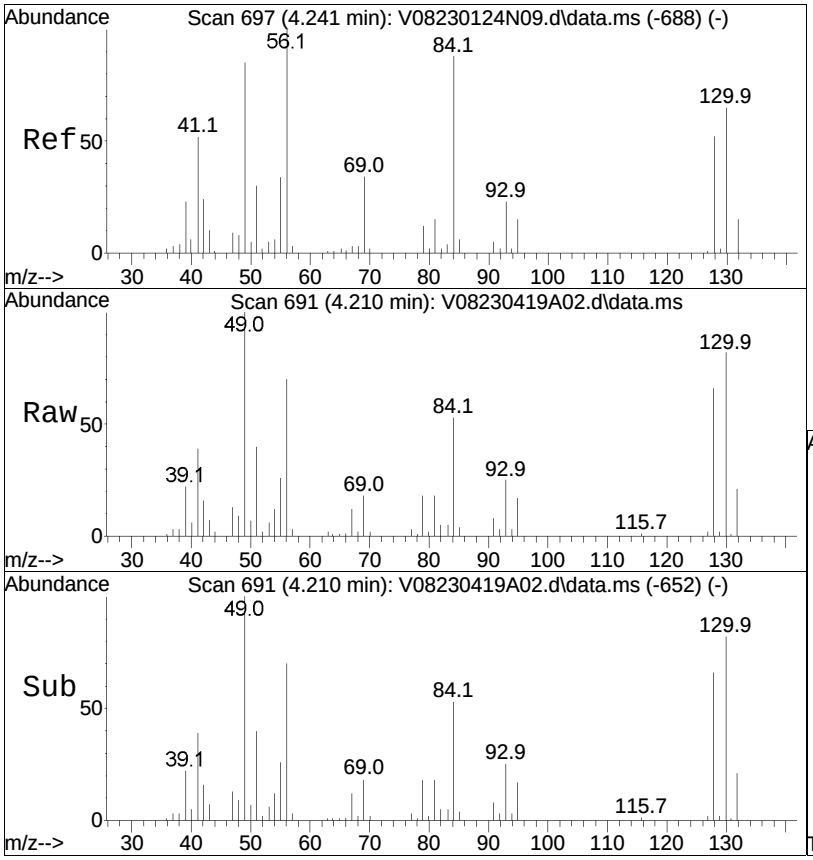



#28
cis-1,2-Dichloroethene
Concen: 10.42 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 96 Resp: 73967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 132.1 | 149.4 | 224.2# |
| 98 | 63.9 | 53.4 | 80.2 |

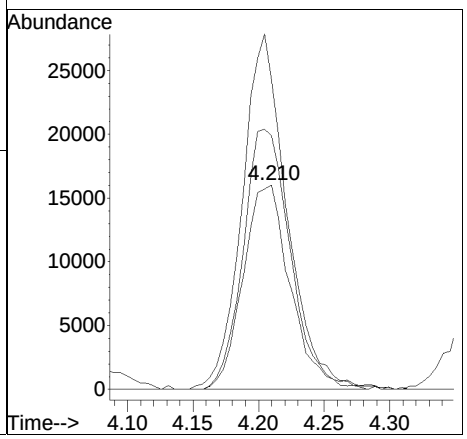


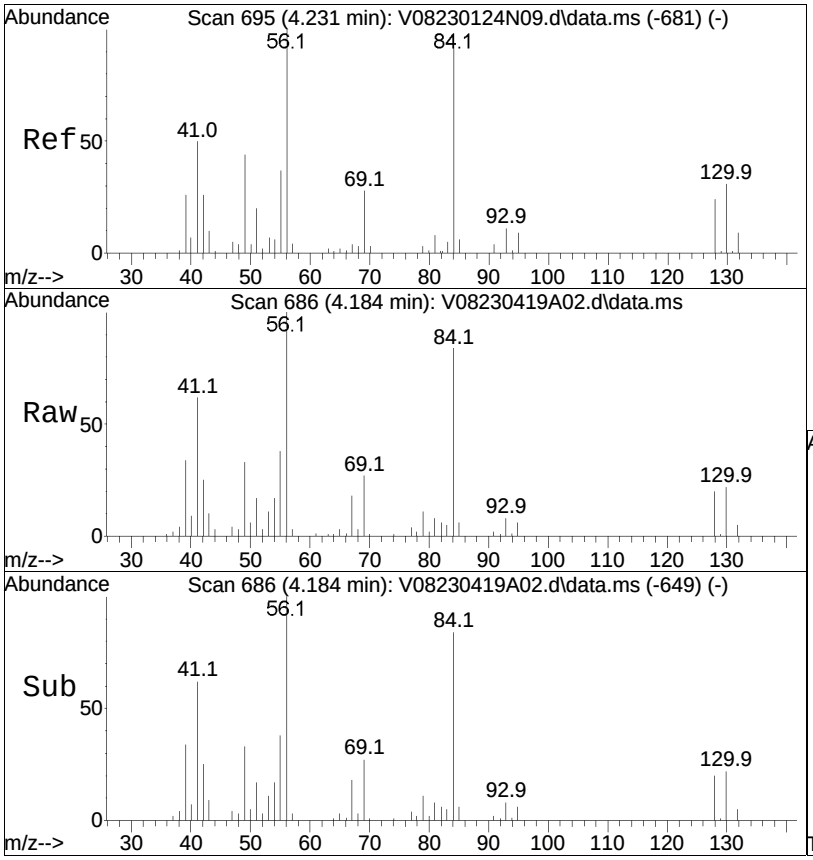



#30
Bromochloromethane
Concen: 10.50 ug/L
RT: 4.210 min Scan# 691
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:128 Resp: 40030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 165.6 | 223.0 | 334.4# |
| 130 | 128.6 | 111.4 | 167.0 |

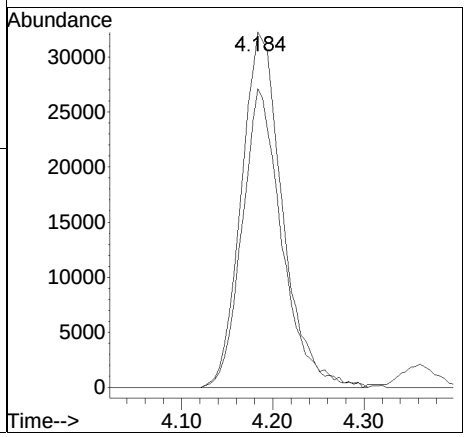


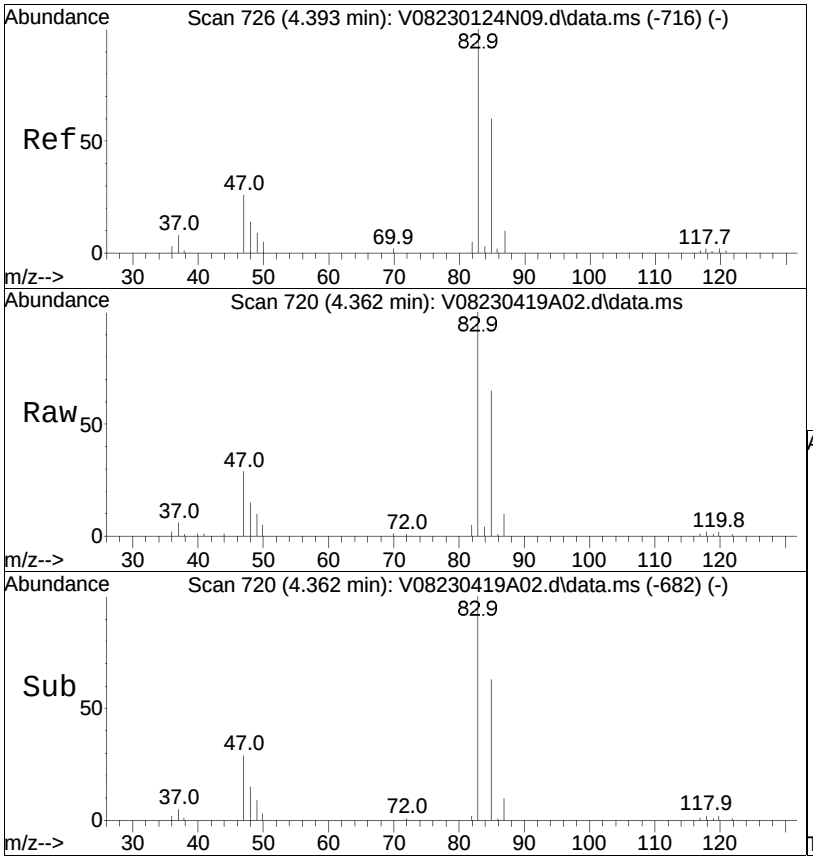



#31
Cyclohexane
Concen: 11.44 ug/L
RT: 4.184 min Scan# 686
Delta R.T. -0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 56 Resp: 101582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 84 | 80.9 | 38.4 | 79.8# |

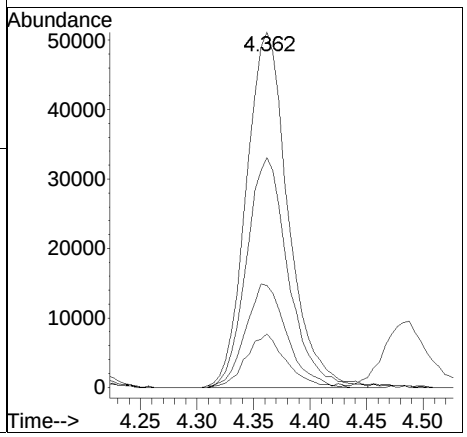


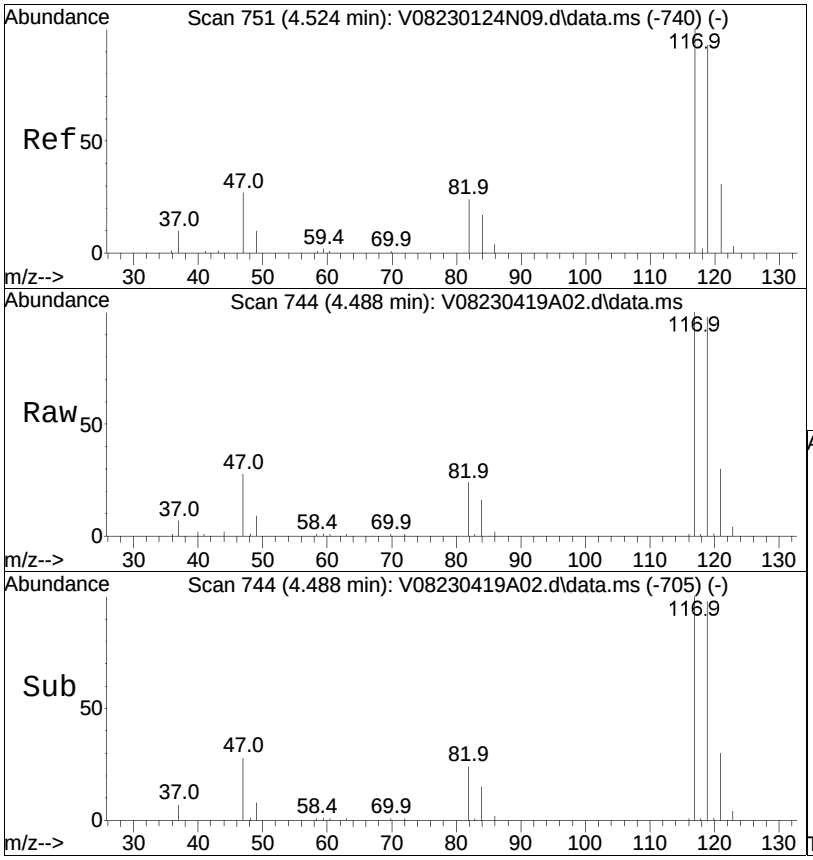



#32
Chloroform
Concen: 11.30 ug/L
RT: 4.362 min Scan# 720
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 83 Resp: 132138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 41.5 | 86.1 |
| 47 | 28.8 | 19.0 | 39.4 |
| 48 | 14.4 | 9.9 | 20.5 |

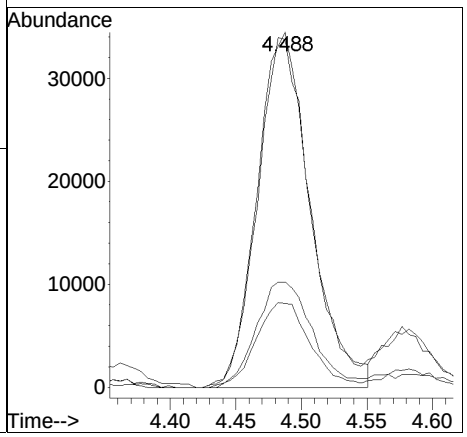


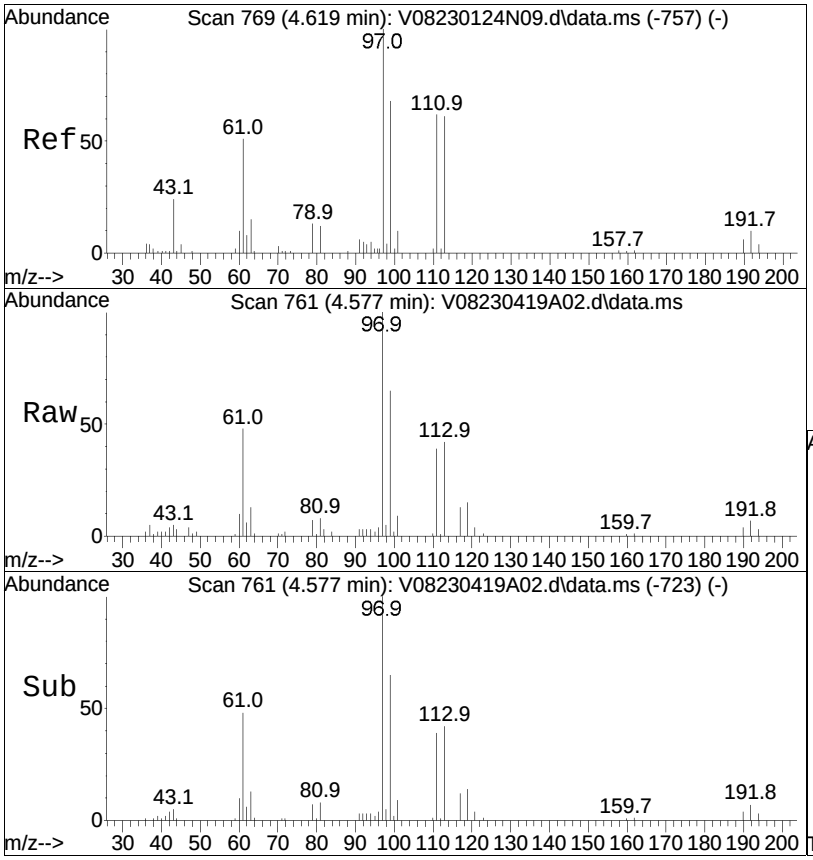



#34
Carbon tetrachloride
Concen: 11.85 ug/L
RT: 4.488 min Scan# 744
Delta R.T. 0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:117 Resp: 97525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 62.4 | 129.6 |
| 121 | 31.2 | 19.5 | 40.5 |
| 82 | 24.3 | 17.0 | 35.4 |

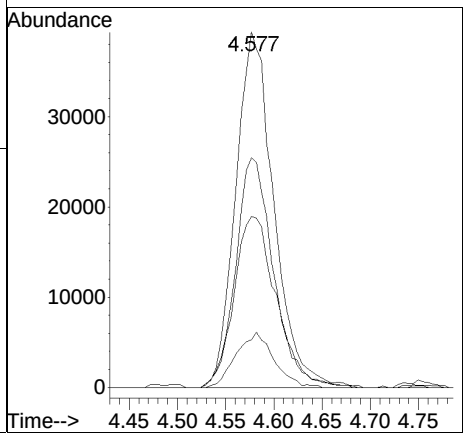


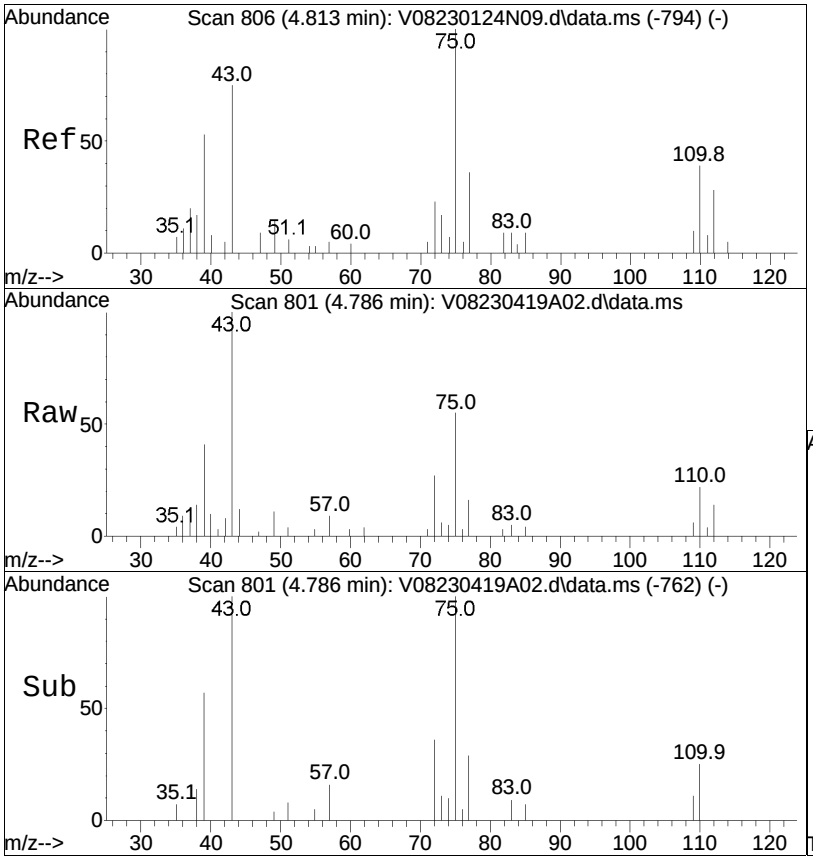



#37
1,1,1-Trichloroethane
Concen: 11.57 ug/L
RT: 4.577 min Scan# 761
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 97 Resp: 108525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.1 | 40.7 | 84.5 |
| 61 | 53.2 | 35.4 | 73.4 |
| 63 | 15.3 | 5.0 | 10.4# |

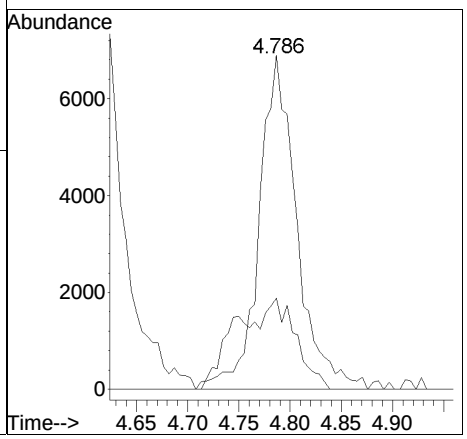


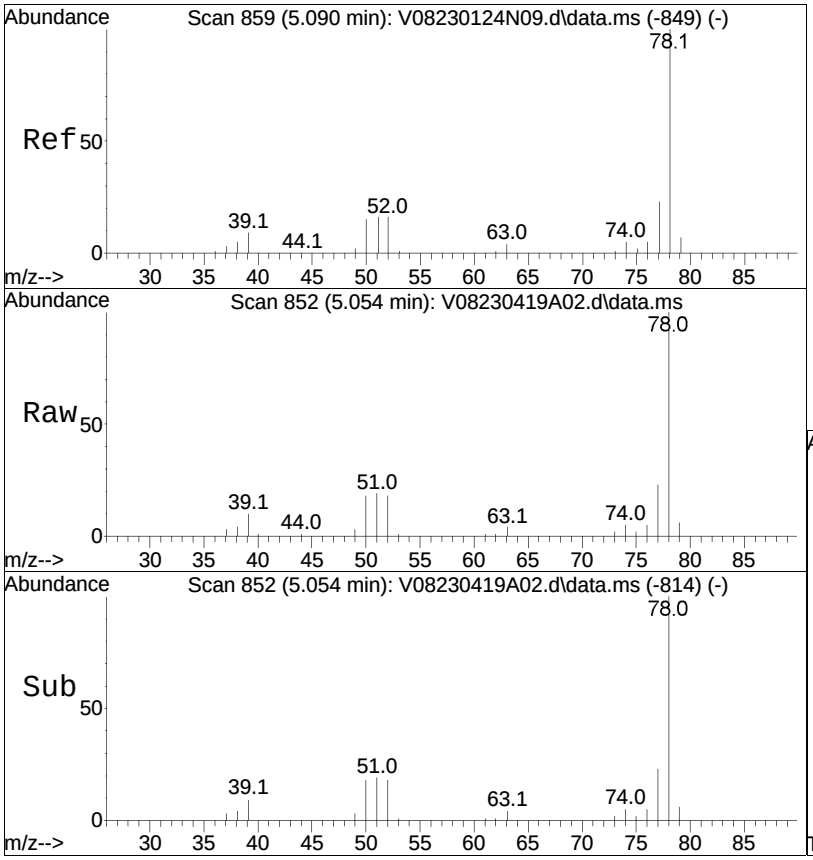



#39
2-Butanone
Concen: 11.50 ug/L
RT: 4.786 min Scan# 801
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 43 Resp: 17671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.2 | 10.9 | 16.3# |

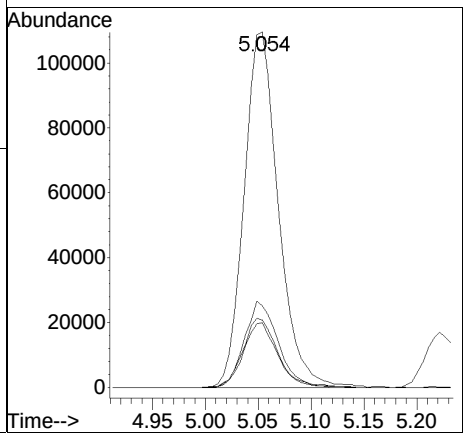


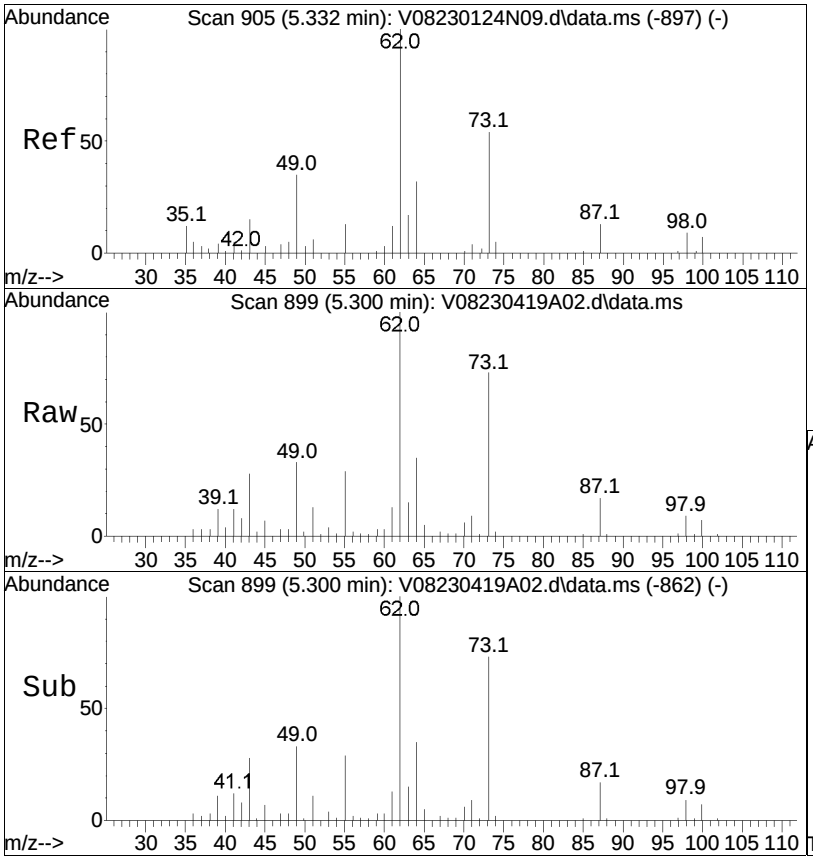



#41
Benzene
Concen: 11.61 ug/L
RT: 5.054 min Scan# 852
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 78 Resp: 247460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 15.7 | 32.7 |
| 51 | 19.7 | 16.0 | 33.2 |
| 52 | 17.9 | 15.3 | 31.9 |

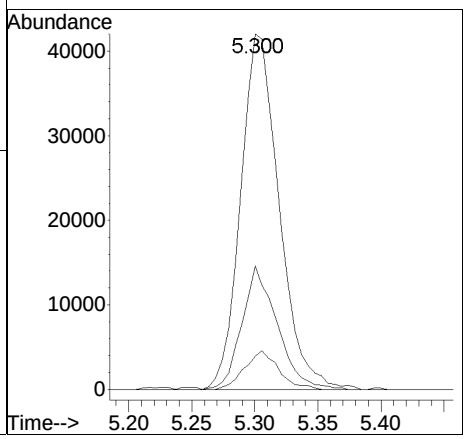


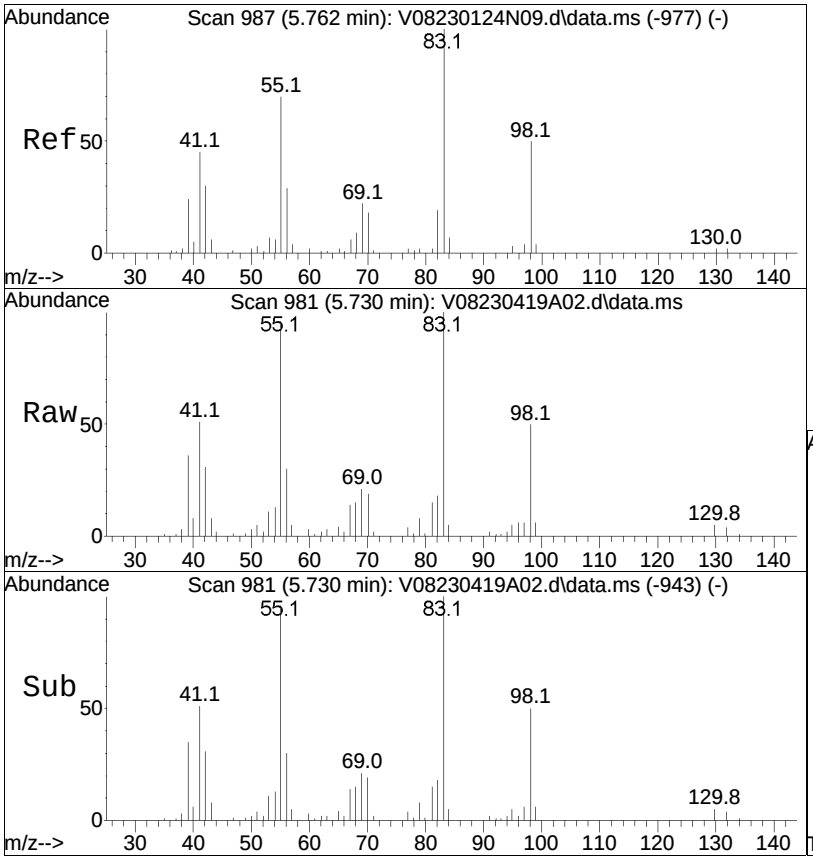



#44
1,2-Dichloroethane
Concen: 10.91 ug/L
RT: 5.300 min Scan# 899
Delta R.T. -0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 62 Resp: 89324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.8 | 11.2 | 51.2 |
| 98 | 9.6 | 0.0 | 26.1 |

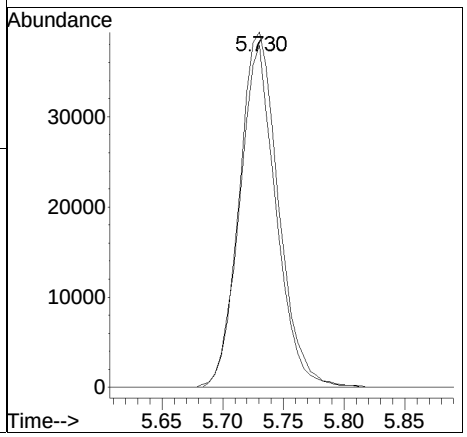


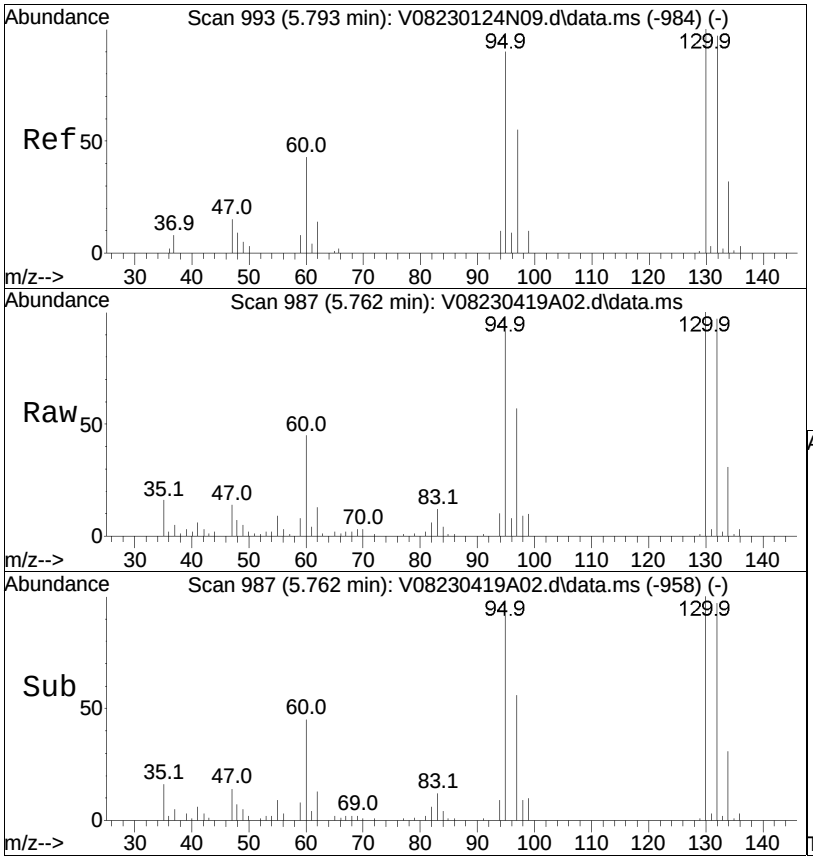



#47
Methyl cyclohexane
Concen: 10.34 ug/L
RT: 5.730 min Scan# 981
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 83 Resp: 88351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 90.0 | 88.3 | 132.5 |

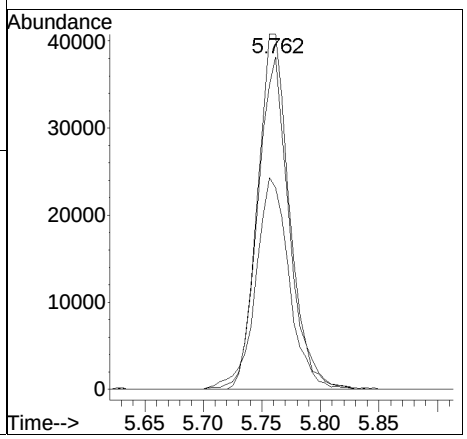


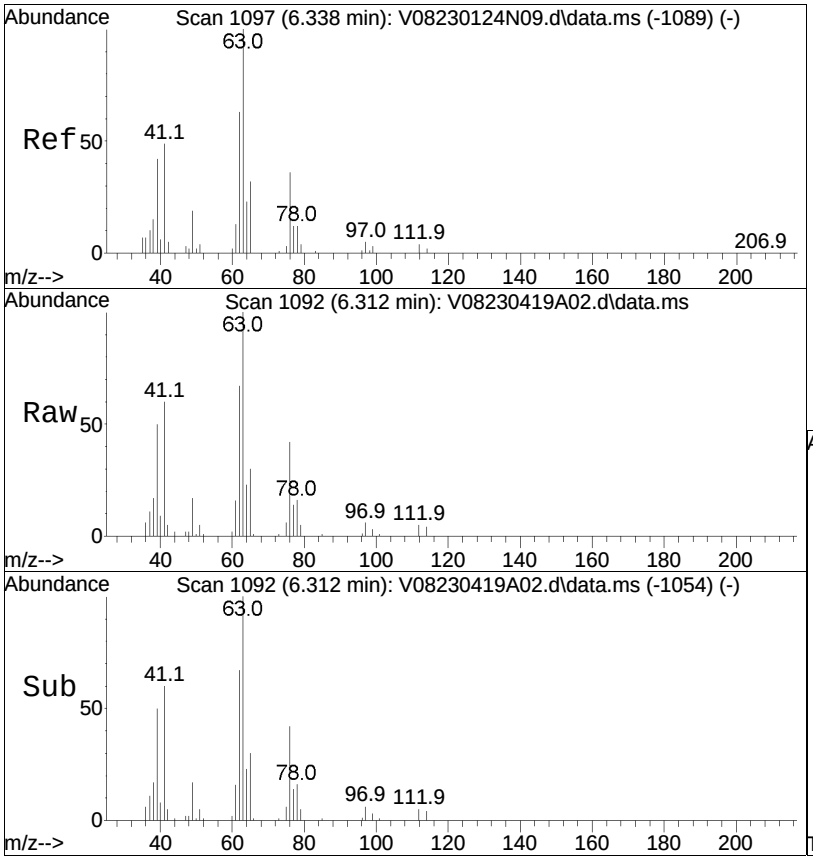



#48
Trichloroethene
Concen: 11.54 ug/L
RT: 5.762 min Scan# 987
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 95 Resp: 71420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 68.3 | 55.5 | 83.3 |
| 130 | 108.8 | 76.6 | 115.0 |

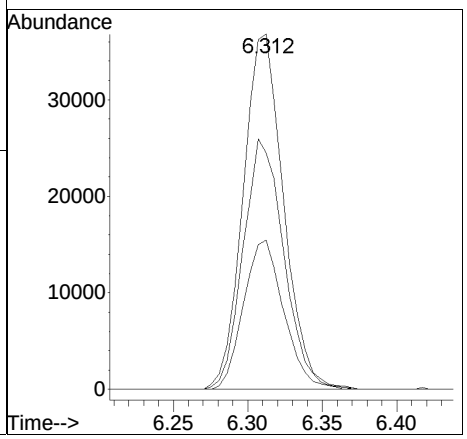


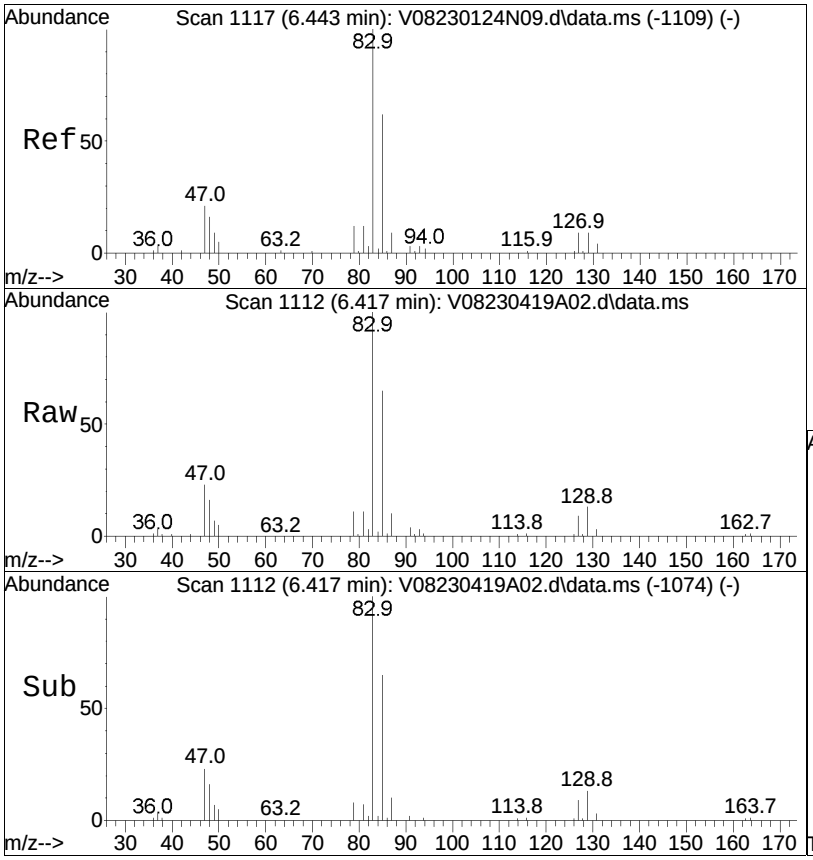



#51
1,2-Dichloropropane
Concen: 11.49 ug/L
RT: 6.312 min Scan# 1092
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 63 Resp: 69445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 62 | 70.9 | 58.6 | 87.8 |
| 76 | 41.9 | 38.0 | 57.0 |

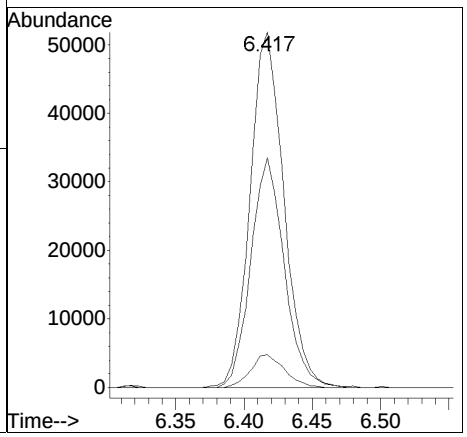


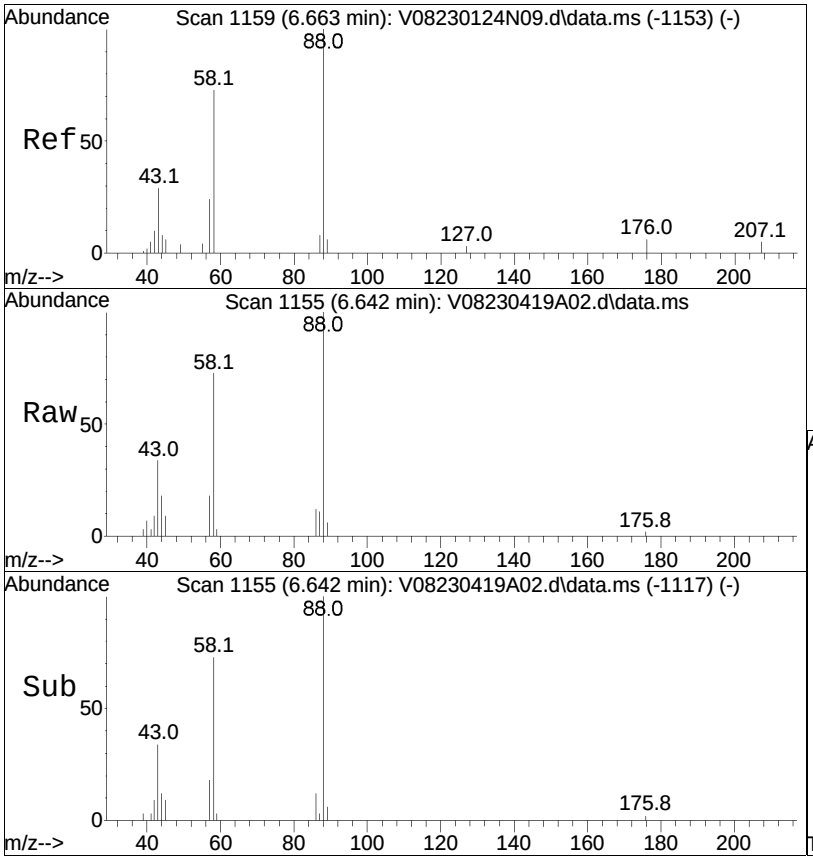



#54
Bromodichloromethane
Concen: 10.94 ug/L
RT: 6.417 min Scan# 1112
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 83 Resp: 89263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 52.3 | 78.5 |
| 127 | 9.2 | 6.2 | 9.4 |

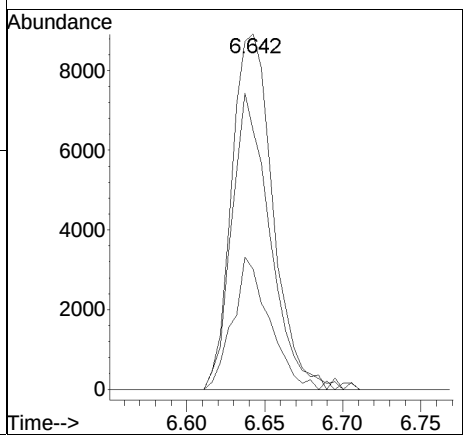


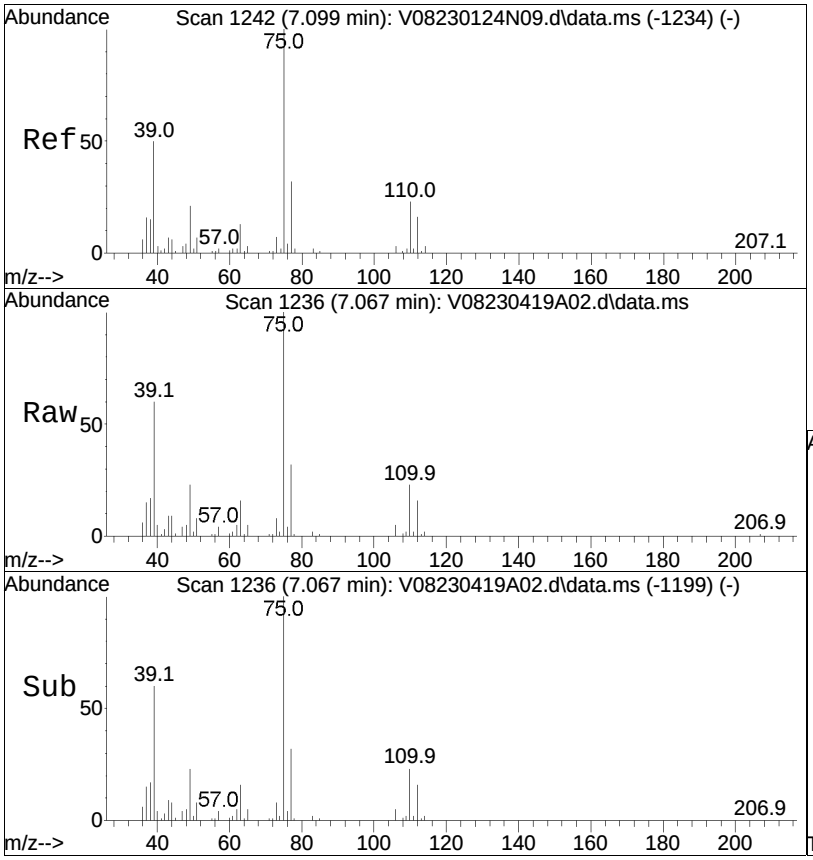



#57
1,4-Dioxane
Concen: 495.62 ug/L
RT: 6.642 min Scan# 1155
Delta R.T. -0.001 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 88 Resp: 16430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 77.2 | 76.7 | 115.1 |
| 43 | 33.0 | 36.2 | 54.2# |

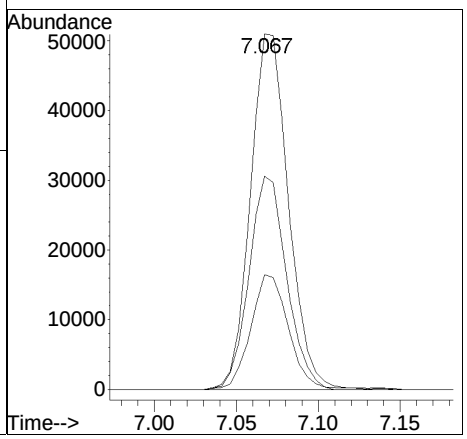


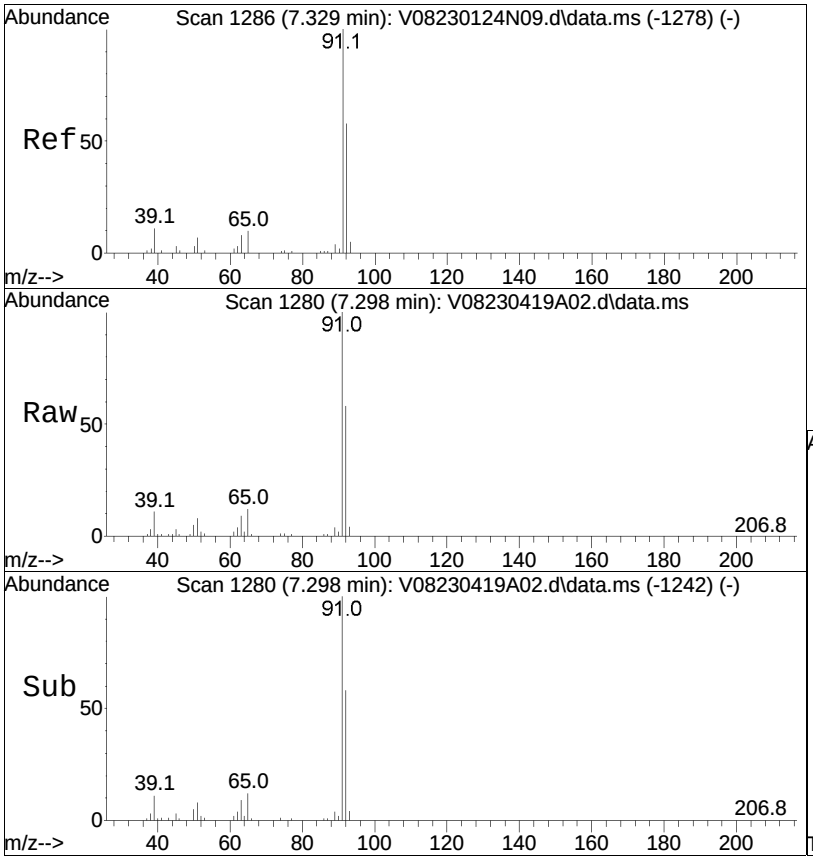



#58
cis-1,3-Dichloropropene
Concen: 10.05 ug/L
RT: 7.067 min Scan# 1236
Delta R.T. -0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 75 Resp: 82236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.0 | 37.4 |
| 39 | 59.7 | 50.1 | 75.1 |

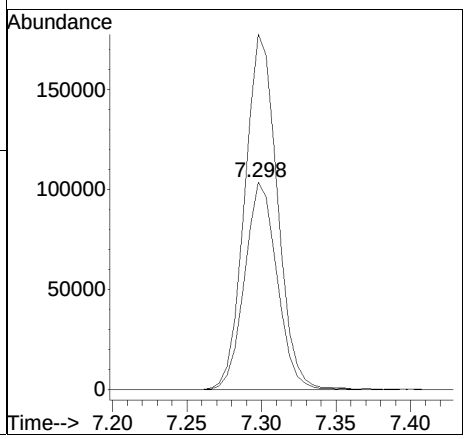


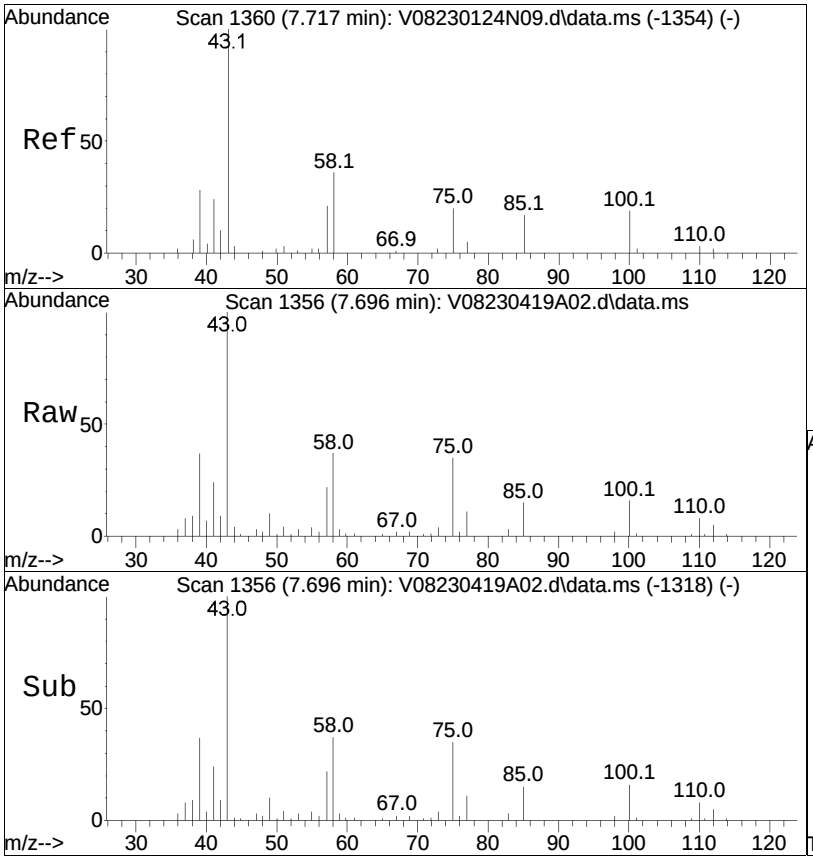



#61
Toluene
Concen: 11.14 ug/L
RT: 7.298 min Scan# 1280
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 92 Resp: 156228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 139.8 | 209.6 |

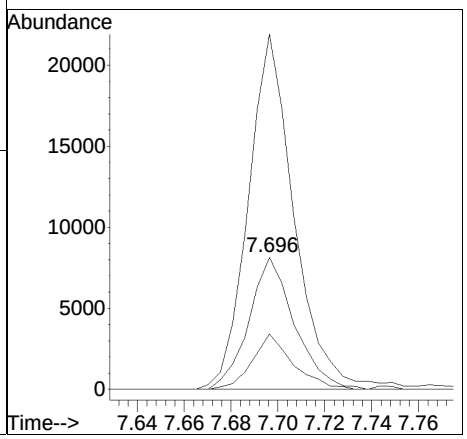


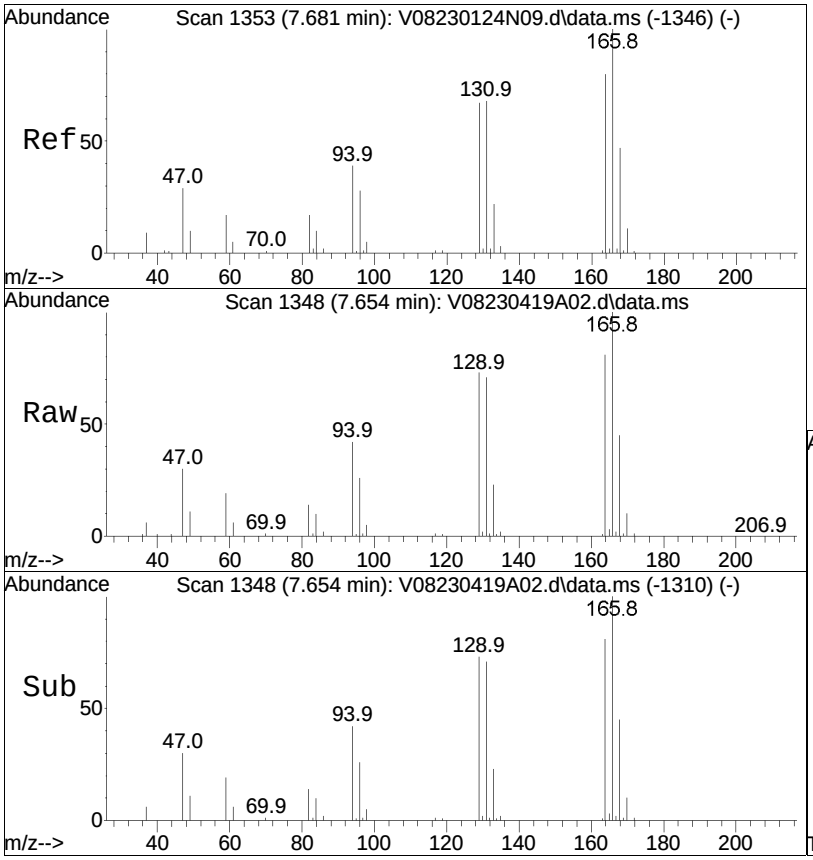



#62
4-Methyl-2-pentanone
Concen: 10.15 ug/L
RT: 7.696 min Scan# 1356
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 58 Resp: 11048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 100 | 37.4 | 20.2 | 30.2# |
| 43 | 271.5 | 196.6 | 295.0 |

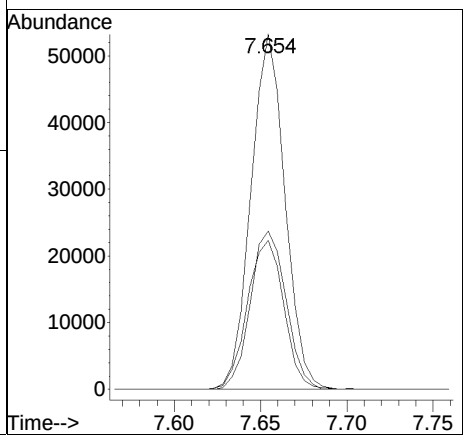


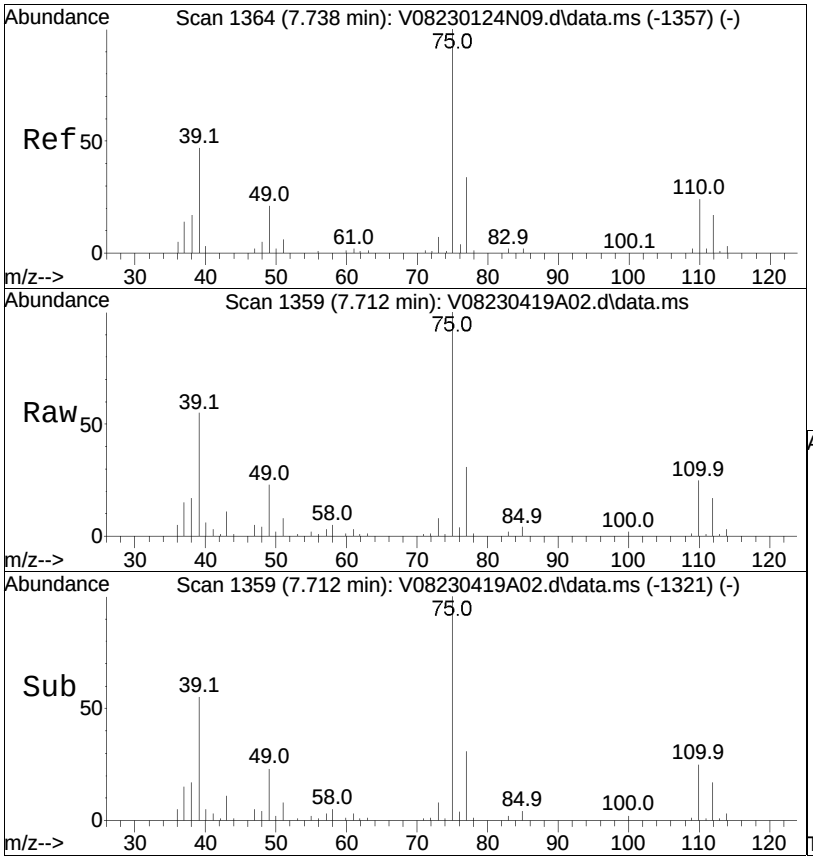



#63
Tetrachloroethene
Concen: 10.58 ug/L
RT: 7.654 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:166 Resp: 73052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.7 | 28.2 | 68.2 |
| 94 | 44.9 | 38.4 | 78.4 |

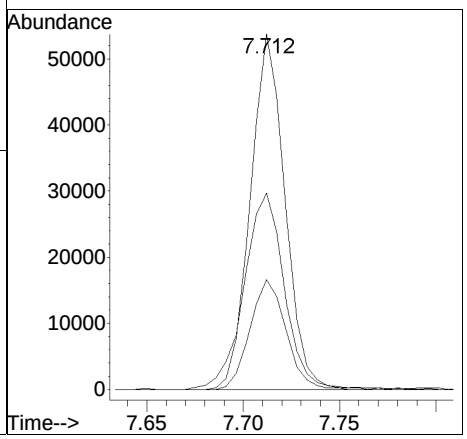


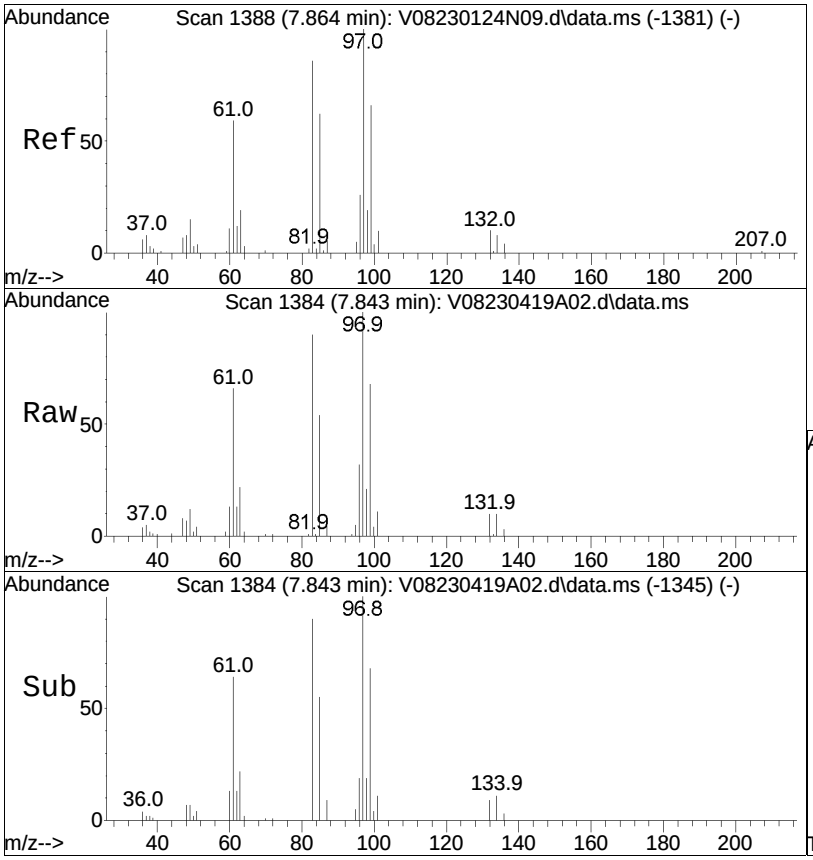



#65
trans-1,3-Dichloropropene
Concen: 9.82 ug/L
RT: 7.712 min Scan# 1359
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 75 Resp: 66904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 12.4 | 52.4 |
| 39 | 64.6 | 42.8 | 82.8 |

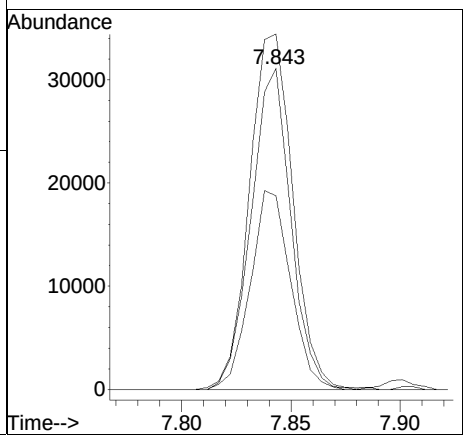


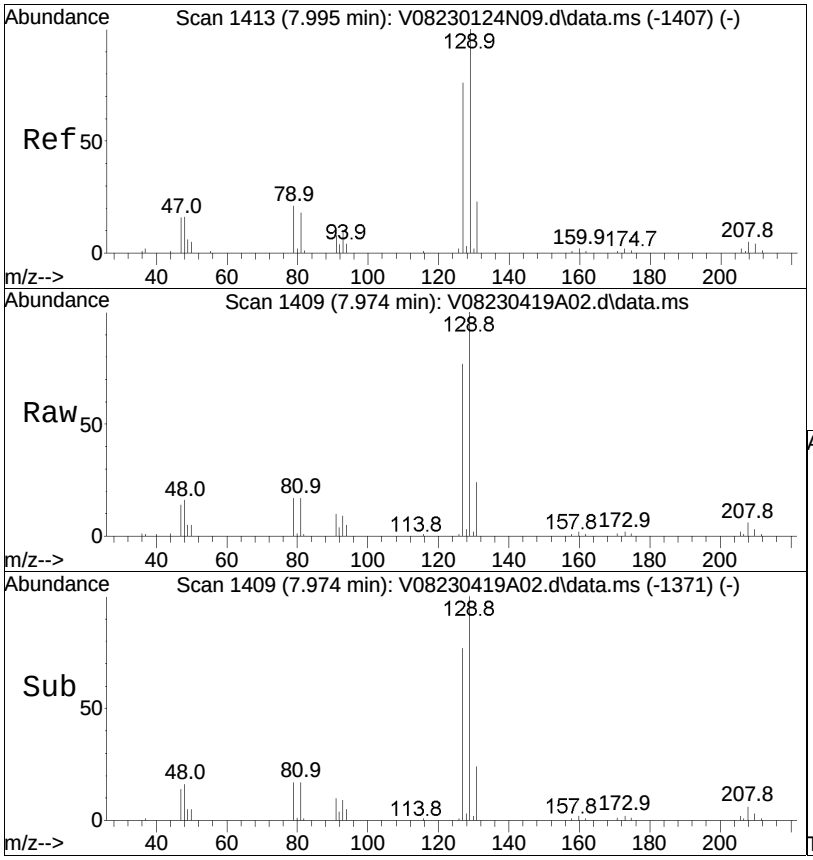



#68
1,1,2-Trichloroethane
Concen: 11.04 ug/L
RT: 7.843 min Scan# 1384
Delta R.T. 0.005 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 83 Resp: 39311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 121.0 | 89.8 | 129.8 |
| 85 | 62.9 | 44.4 | 84.4 |

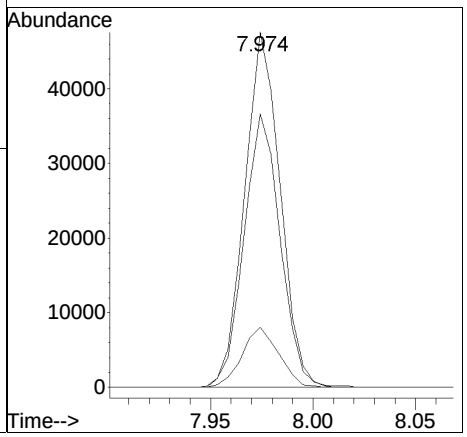


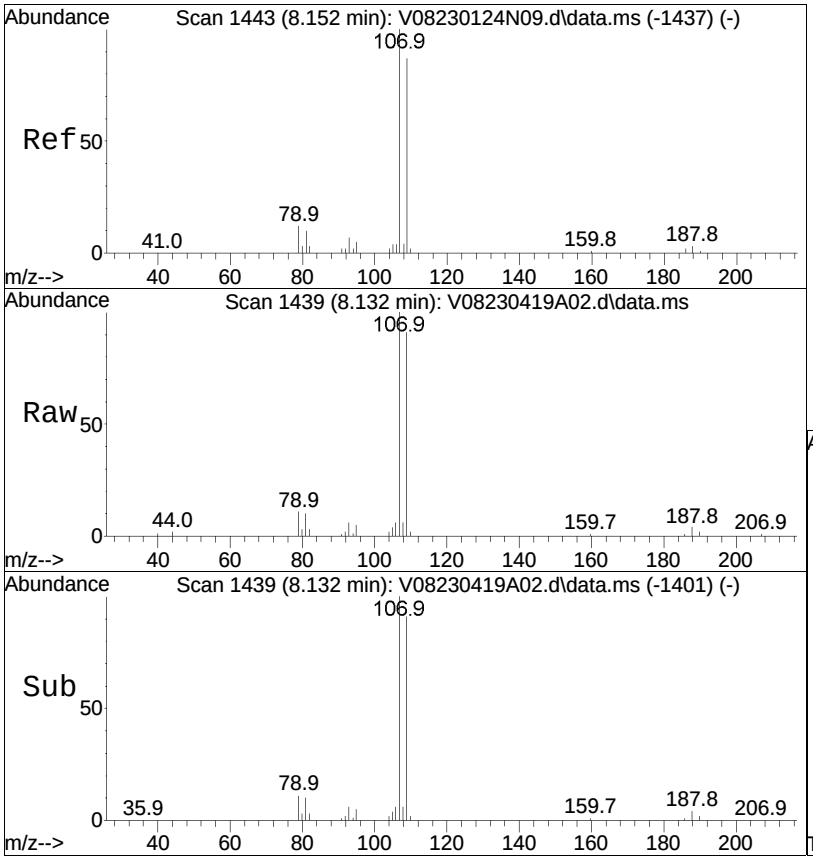



#69
Chlorodibromomethane
Concen: 9.65 ug/L
RT: 7.974 min Scan# 1409
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:129 Resp: 57567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 81 | 17.5 | 2.9 | 42.9 |
| 127 | 78.2 | 57.8 | 97.8 |

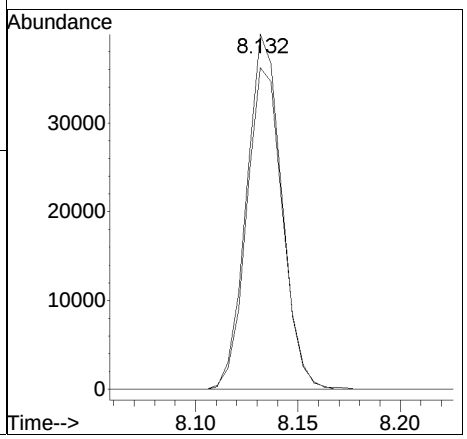


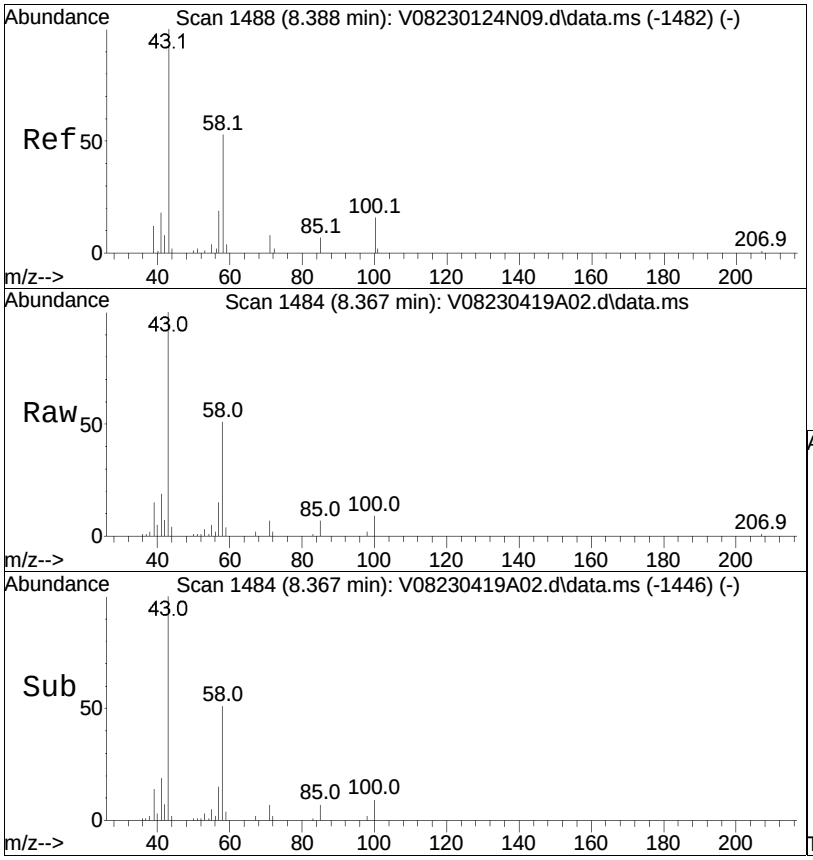



#71
1,2-Dibromoethane
Concen: 10.30 ug/L
RT: 8.132 min Scan# 1439
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:107 Resp: 47730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.5 | 74.3 | 111.5 |

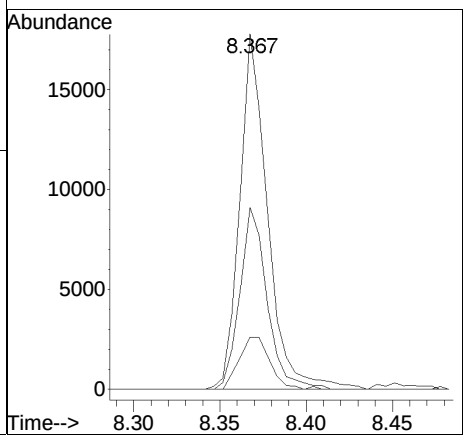


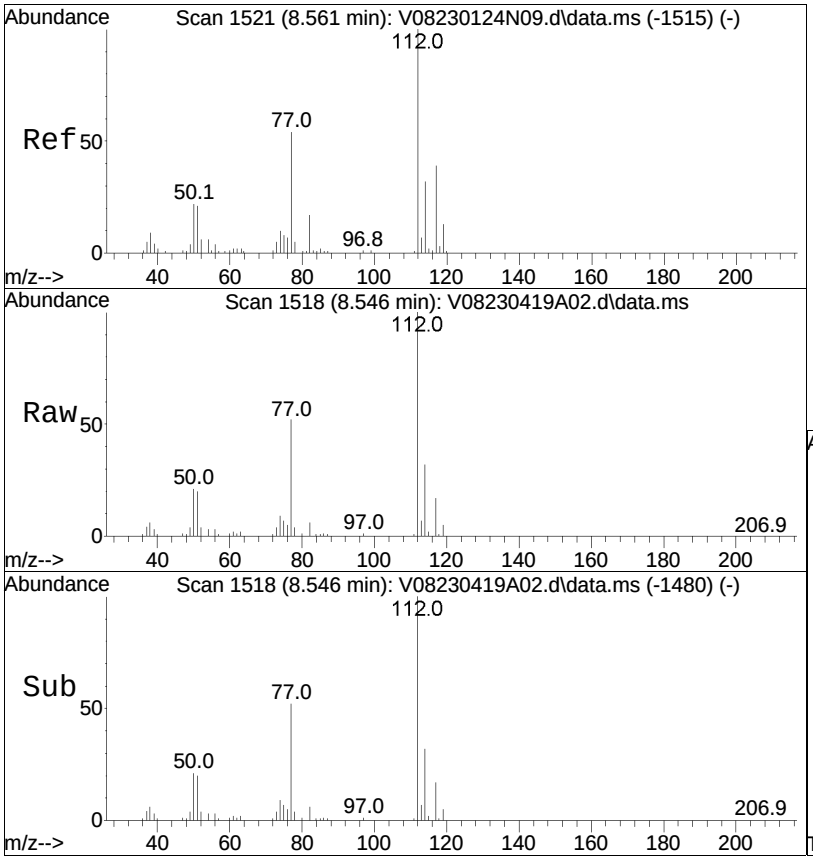



#72
2-Hexanone
Concen: 10.26 ug/L
RT: 8.367 min Scan# 1484
Delta R.T. -0.001 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 43 Resp: 20034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.2 | 41.2 | 61.8 |
| 57 | 16.4 | 17.2 | 25.8# |

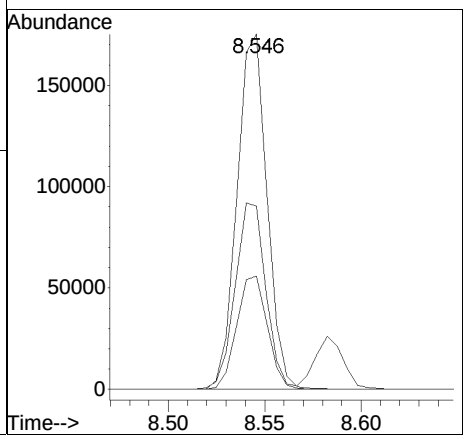


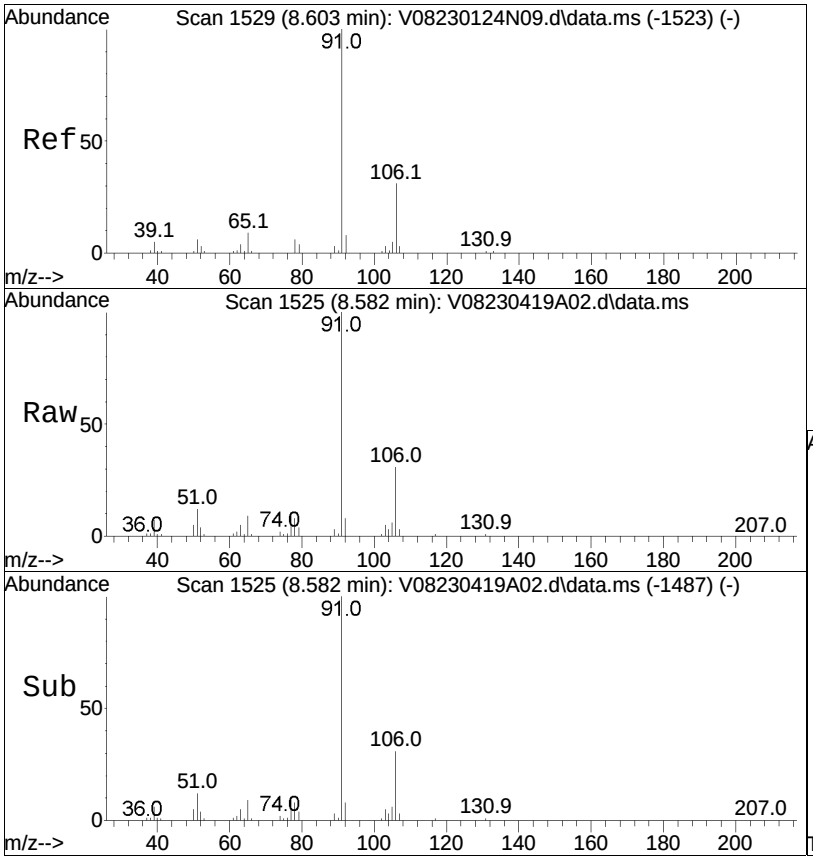



#73
Chlorobenzene
Concen: 10.71 ug/L
RT: 8.546 min Scan# 1518
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:112 Resp: 189471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 53.9 | 55.4 | 83.0# |
| 114 | 32.7 | 25.4 | 38.2 |

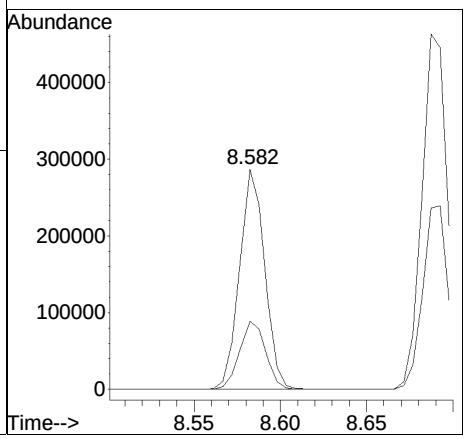


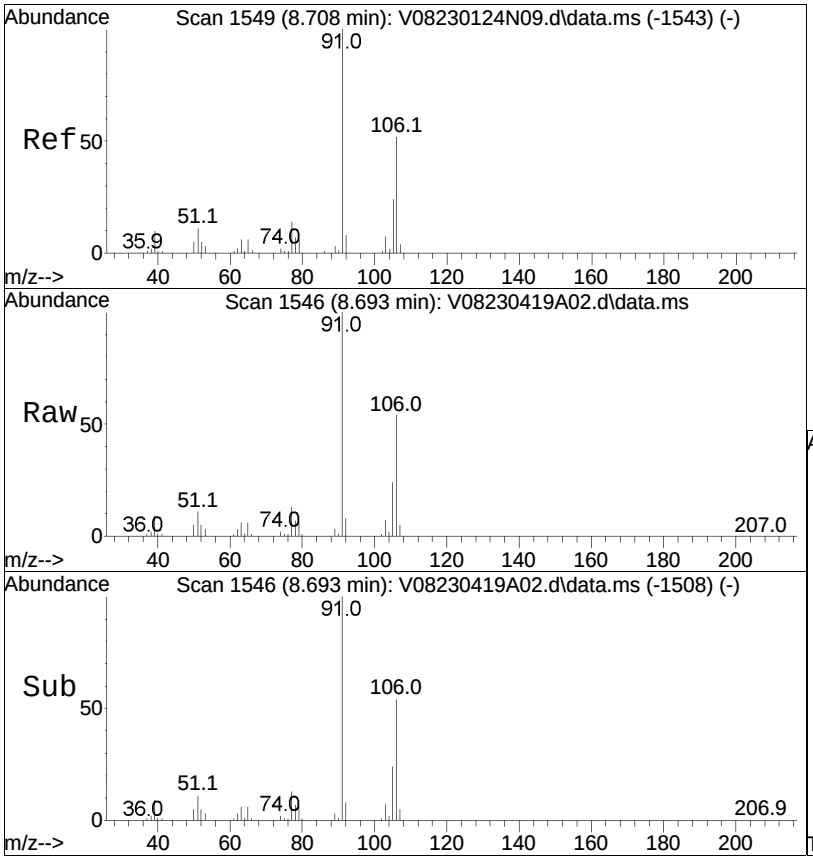



#74
Ethylbenzene
Concen: 11.05 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.001 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 91 Resp: 291373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.1 | 24.3 | 36.5 |

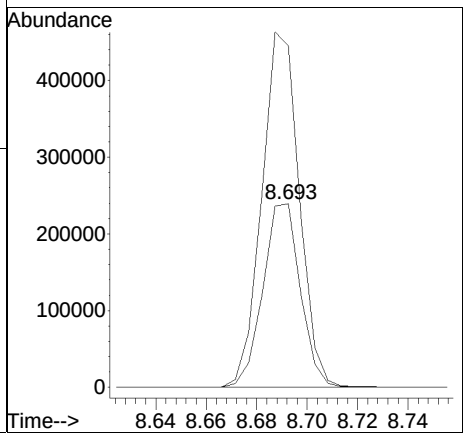


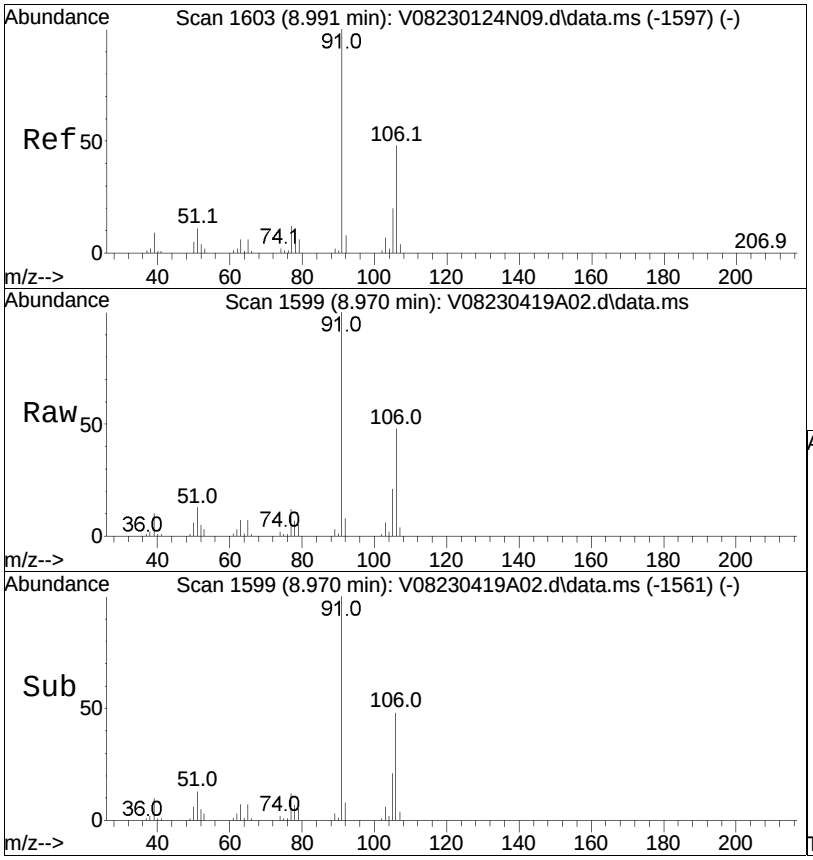



#76
p/m Xylene
Concen: 22.56 ug/L
RT: 8.693 min Scan# 1546
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:106 Resp: 247303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 193.3 | 166.4 | 249.6 |

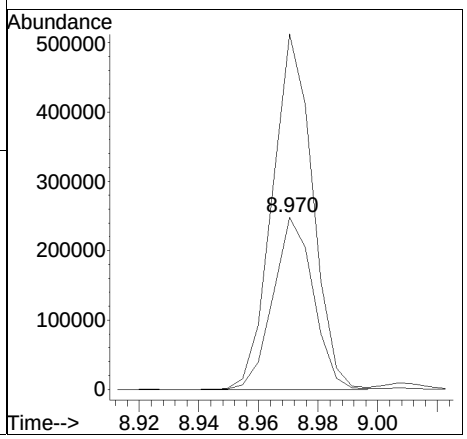


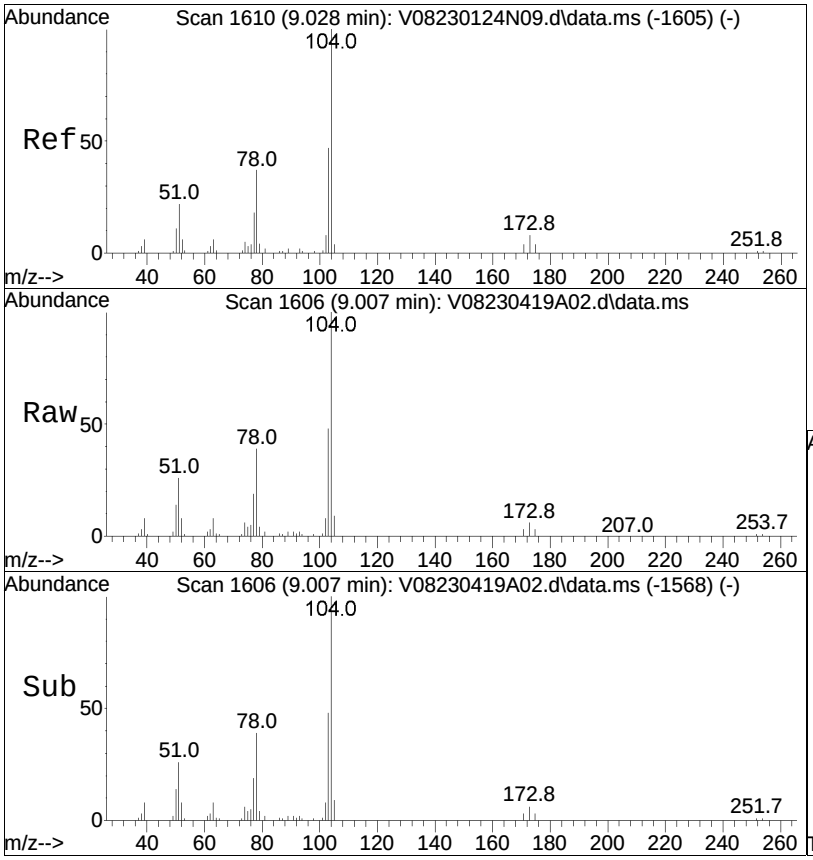



#77
o Xylene
Concen: 21.85 ug/L
RT: 8.970 min Scan# 1599
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:106 Resp: 233102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.9 | 182.6 | 273.8 |

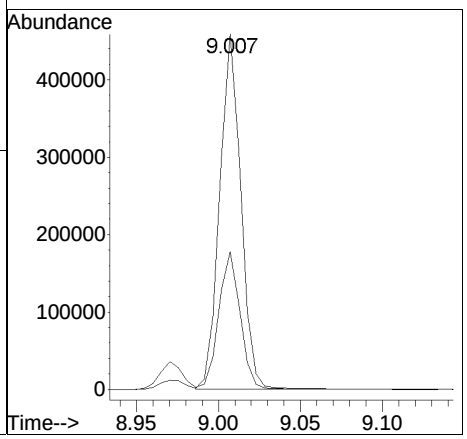


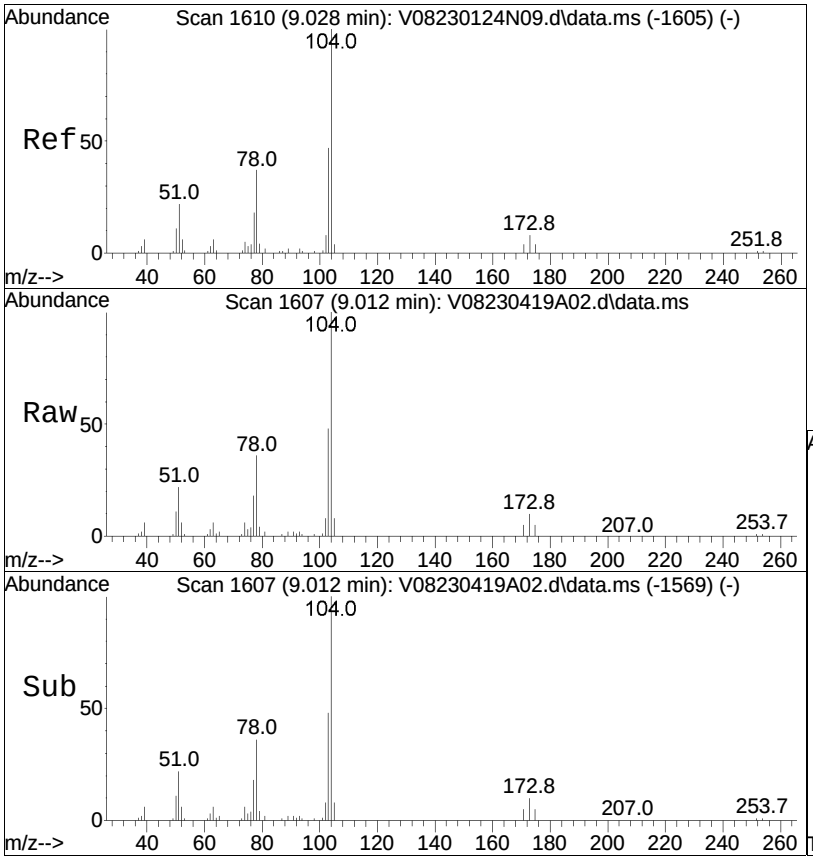



#78
Styrene
Concen: 23.42 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:104 Resp: 412062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 38.9 | 39.8 | 59.6# |

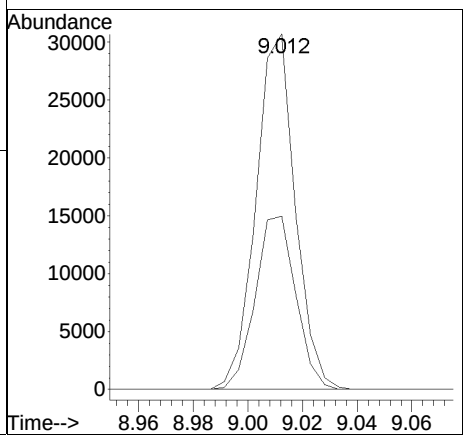


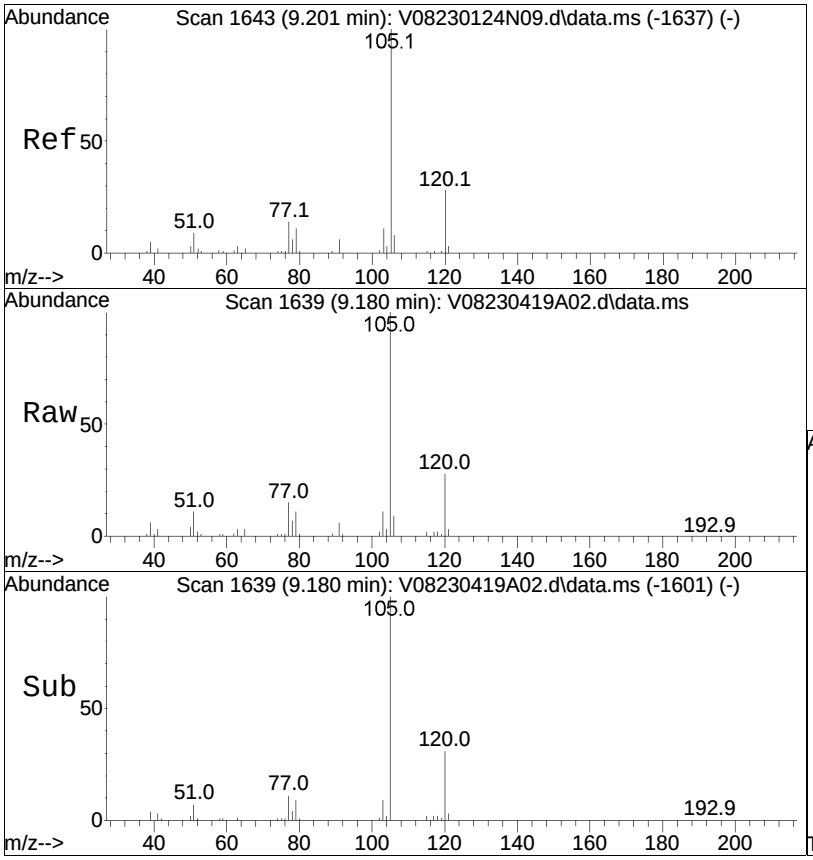



#80
Bromoform
Concen: 9.20 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:173 Resp: 30691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.2 | 31.5 | 71.5 |

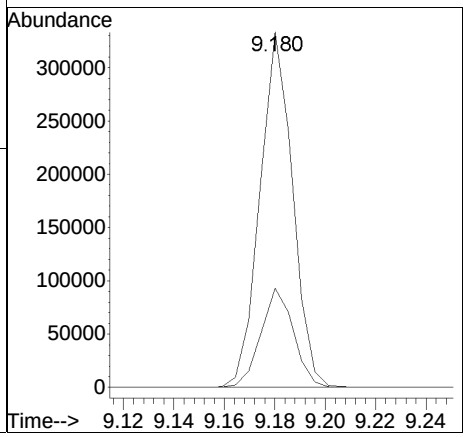


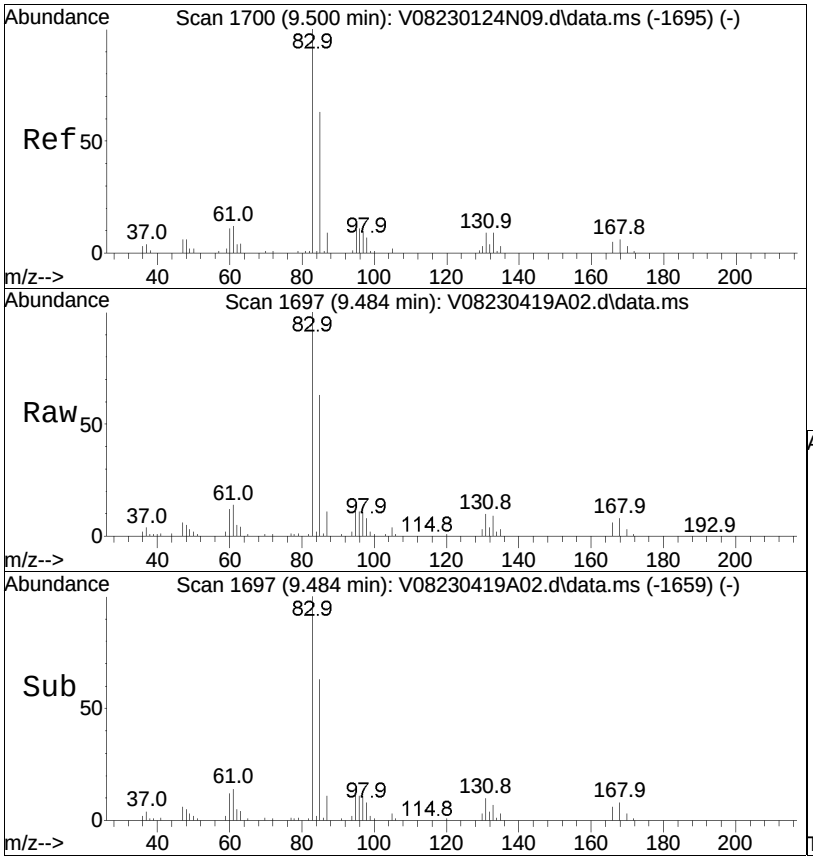



#82
Isopropylbenzene
Concen: 10.95 ug/L
RT: 9.180 min Scan# 1639
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:105 Resp: 300374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.9 | 4.8 | 44.8 |

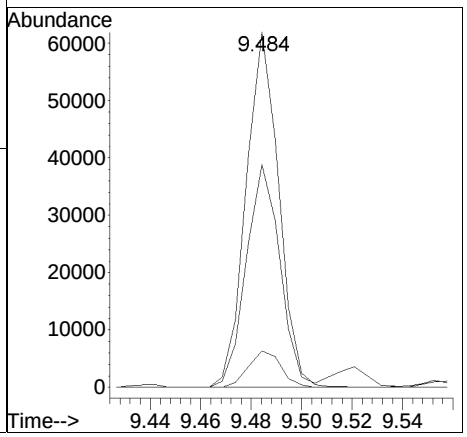


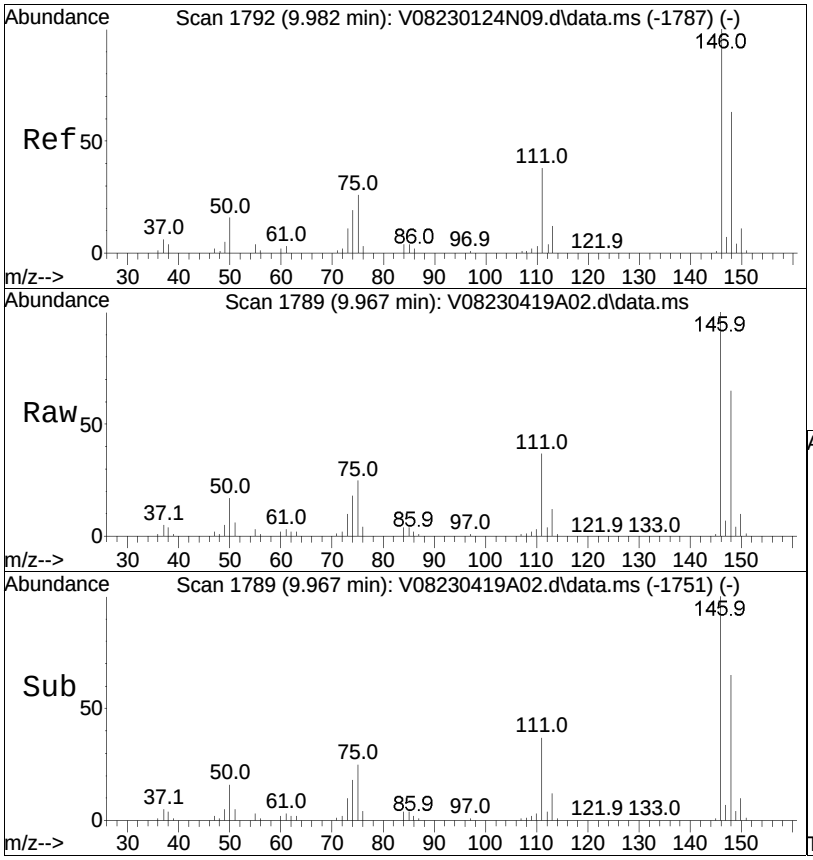



#87
1,1,2,2-Tetrachloroethane
Concen: 11.20 ug/L
RT: 9.484 min Scan# 1697
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion: 83 Resp: 55763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 0.0 | 30.4 |
| 85 | 64.8 | 45.4 | 85.4 |

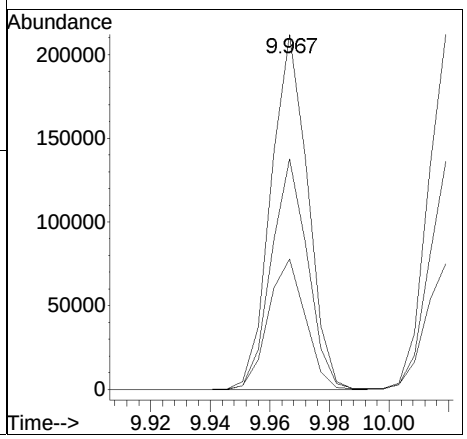


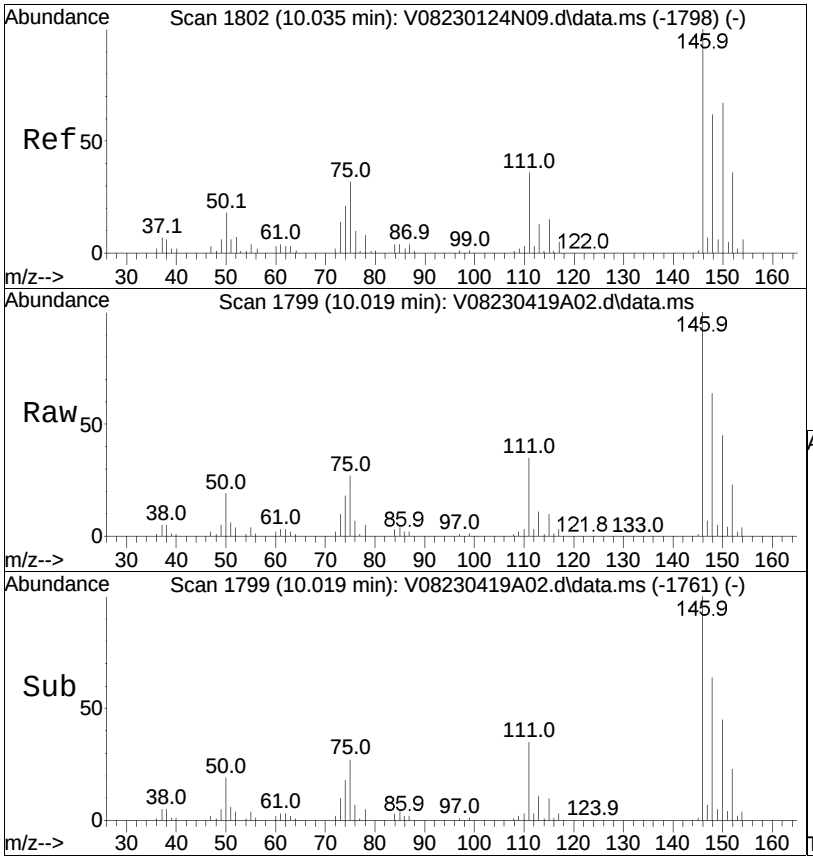



#100
1,3-Dichlorobenzene
Concen: 10.83 ug/L
RT: 9.967 min Scan# 1789
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:146 Resp: 182203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.1 | 27.5 | 57.1 |
| 148 | 64.0 | 41.9 | 86.9 |

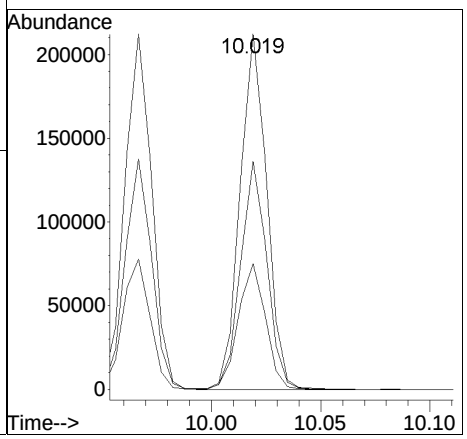


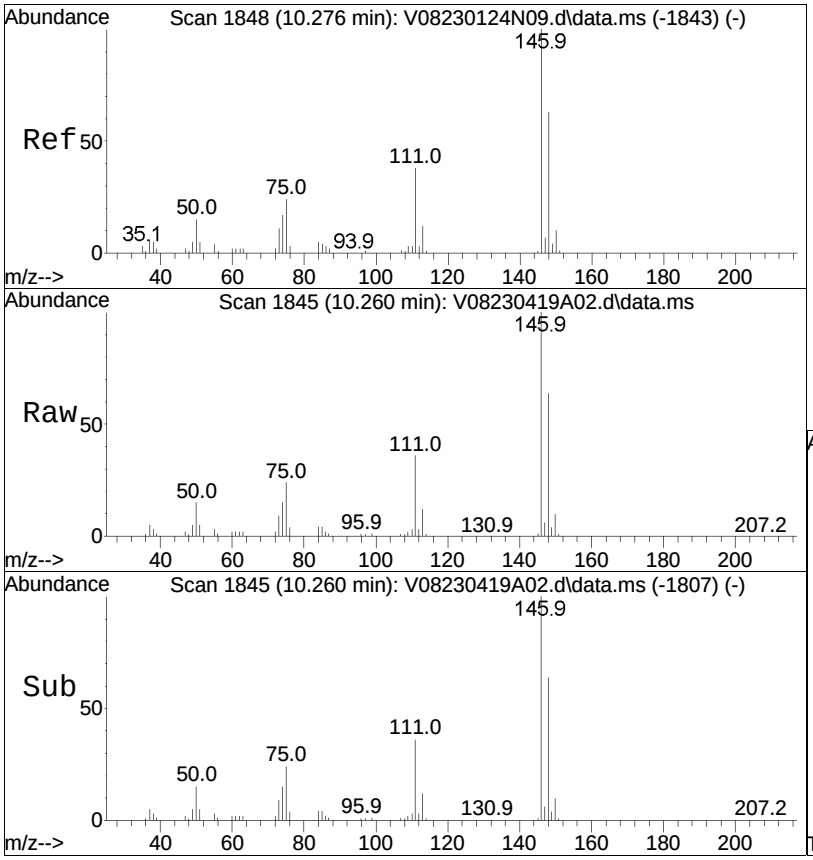



#101
1,4-Dichlorobenzene
Concen: 10.73 ug/L
RT: 10.019 min Scan# 1799
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:146 Resp: 180833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.3 | 32.3 | 48.5 |
| 148 | 63.3 | 49.9 | 74.9 |

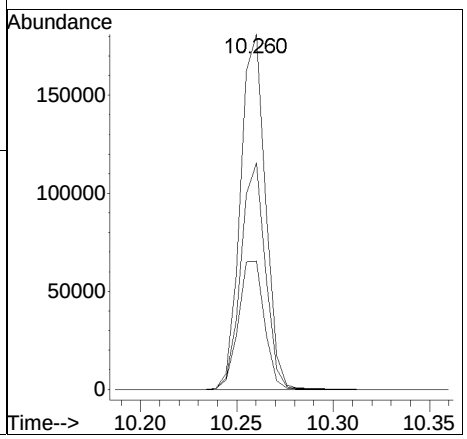


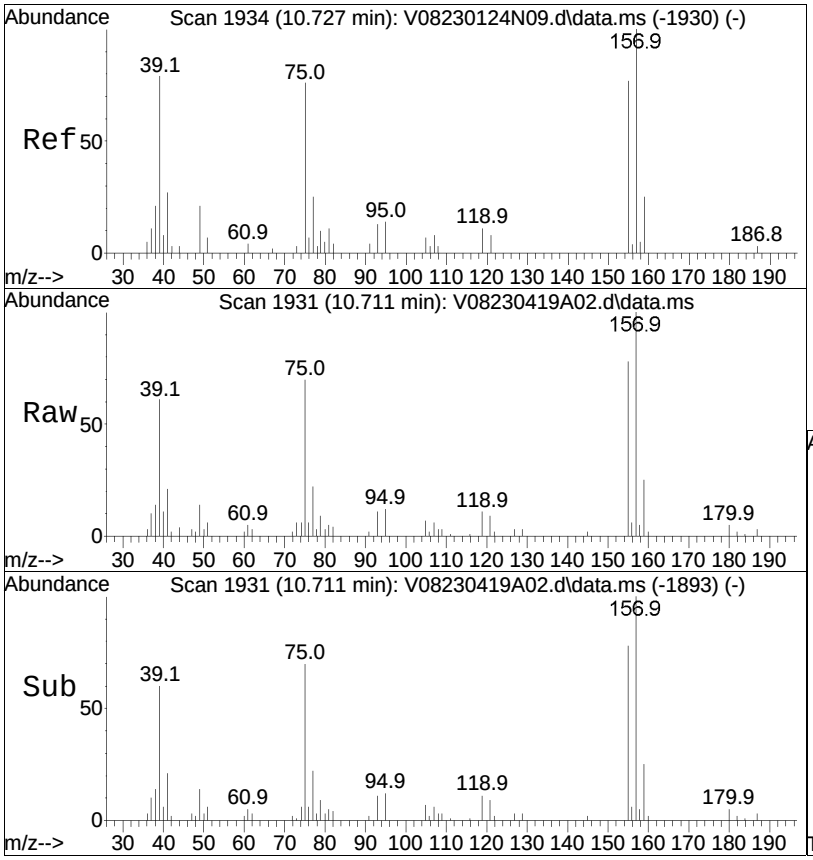



#104
1,2-Dichlorobenzene
Concen: 10.69 ug/L
RT: 10.260 min Scan# 1845
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:146 Resp: 163692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.6 | 28.3 | 58.7 |
| 148 | 62.3 | 42.3 | 87.8 |

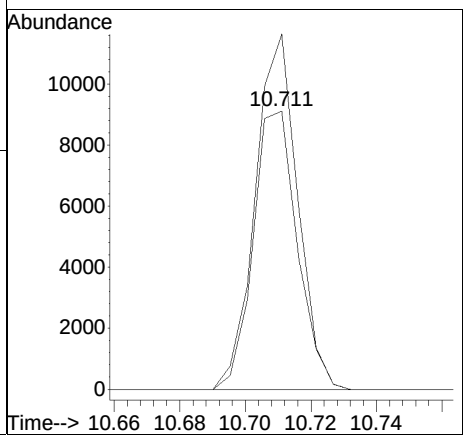


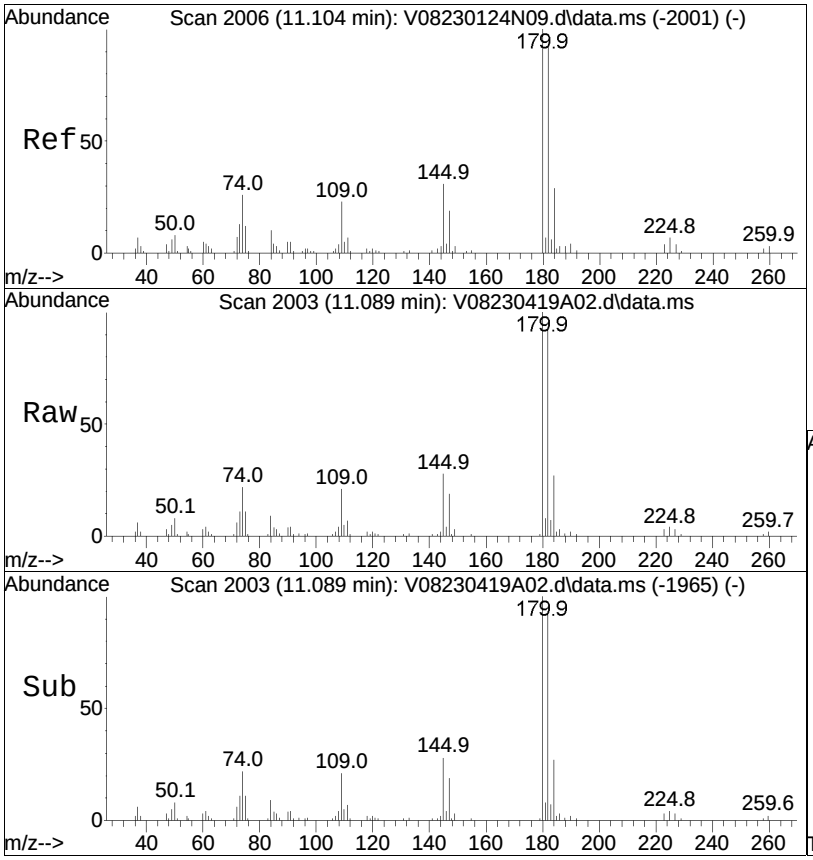



#106
1,2-Dibromo-3-chloropropane
Concen: 9.66 ug/L
RT: 10.711 min Scan# 1931
Delta R.T. 0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:155 Resp: 8539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 155 | 100 | | |
| 157 | 122.2 | 94.8 | 142.2 |

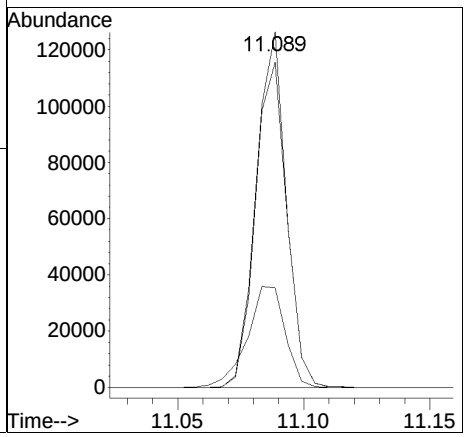


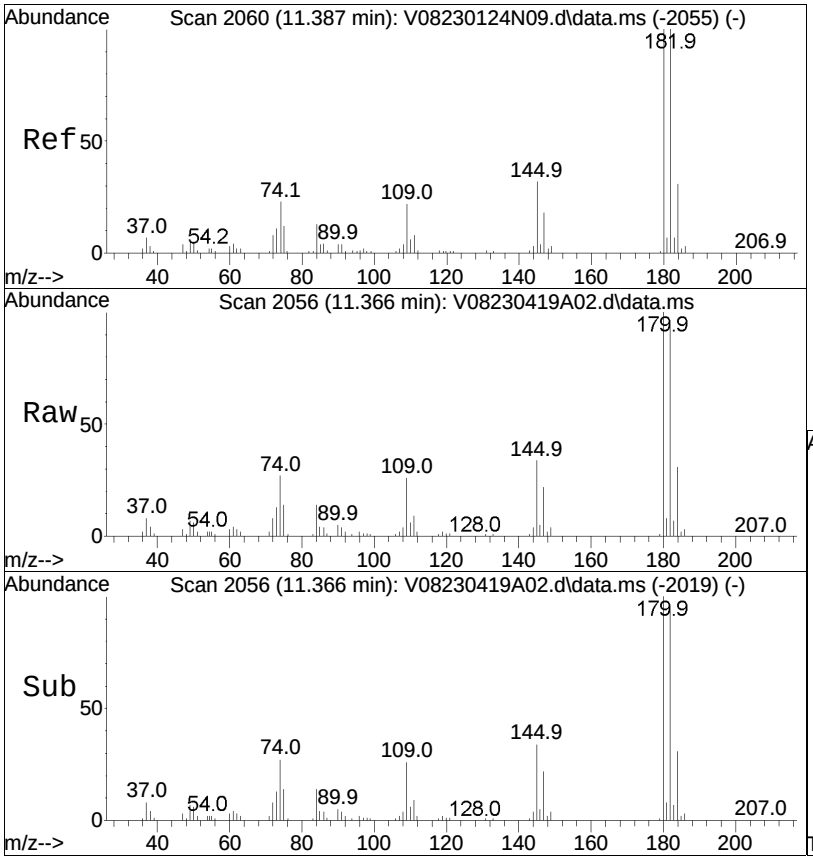



#109
1,2,4-Trichlorobenzene
Concen: 9.59 ug/L
RT: 11.089 min Scan# 2003
Delta R.T. -0.000 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:180 Resp: 105318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 77.3 | 115.9 |
| 145 | 35.6 | 28.1 | 42.1 |

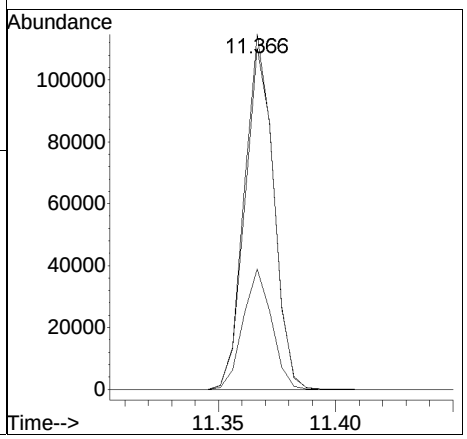





#111
1,2,3-Trichlorobenzene
Concen: 9.82 ug/L
RT: 11.366 min Scan# 2056
Delta R.T. -0.006 min
Lab File: V08230419A02.d
Acq: 19 Apr 2023 8:39 am

Tgt Ion:180 Resp: 98951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 76.4 | 114.6 |
| 145 | 33.3 | 26.4 | 39.6 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A27.d
Acq On : 19 Apr 2023 5:19 pm
Operator : VOA108:MJV
Sample : WG1769022-6,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 09:39:31 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 254648 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 102.80% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 220976 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 102.86% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 132807 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 101.93% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 86328 | 9.314 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 93.14% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.222 | 65 | 83419 | 9.916 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.16% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 254980 | 9.905 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.05% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 96194 | 9.727 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.27% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 64959 | 12.069 | ug/L | 99 |
| 3) Chloromethane | 1.121 | 50 | 86854 | 12.155 | ug/L | 97 |
| 4) Vinyl chloride | 1.174 | 62 | 103158 | 16.177 | ug/L | 95 |
| 5) Bromomethane | 1.384 | 94 | 25866 | 5.989 | ug/L | 94 |
| 6) Chloroethane | 1.468 | 64 | 51788 | 10.388 | ug/L | 96 |
| 7) Trichlorofluoromethane | 1.567 | 101 | 101843 | 10.379 | ug/L | 95 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 60747 | 10.103 | ug/L # | 73 |
| 11) Carbon disulfide | 1.950 | 76 | 183291 | 9.995 | ug/L | 96 |
| 12) Freon-113 | 1.987 | 101 | 56916 | 9.221 | ug/L | 98 |
| 15) Methylene chloride | 2.432 | 84 | 64022 | 9.307 | ug/L | 84 |
| 17) Acetone | 2.485 | 43 | 12654 | 9.545 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 66186 | 9.626 | ug/L | 79 |
| 19) Methyl acetate | 2.626 | 43 | 30402 | 10.087 | ug/L # | 93 |
| 20) Methyl tert-butyl ether | 2.726 | 73 | 103543 | 9.098 | ug/L | 96 |
| 23) 1,1-Dichloroethane | 3.234 | 63 | 137178 | 11.091 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 706330 | 94.268 | ug/L # | 71 |
| 30) Bromochloromethane | 4.204 | 128 | 39499 | 9.817 | ug/L # | 57 |
| 31) Cyclohexane | 4.189 | 56 | 95293 | 10.170 | ug/L | 73 |
| 32) Chloroform | 4.367 | 83 | 129782 | 10.512 | ug/L | 99 |
| 34) Carbon tetrachloride | 4.482 | 117 | 87444 | 10.069 | ug/L | 97 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A27.d
Acq On : 19 Apr 2023 5:19 pm
Operator : VOA108:MJV
Sample : WG1769022-6,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 09:39:31 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 107229 | 10.835 | ug/L | # | 96 |
| 39) 2-Butanone | 4.786 | 43 | 16128 | 9.945 | ug/L | # | 66 |
| 41) Benzene | 5.054 | 78 | 240643 | 10.700 | ug/L | | 92 |
| 44) 1,2-Dichloroethane | 5.305 | 62 | 87923 | 10.172 | ug/L | | 97 |
| 47) Methyl cyclohexane | 5.735 | 83 | 77160 | 8.554 | ug/L | # | 78 |
| 48) Trichloroethene | 5.756 | 95 | 126011 | 19.294 | ug/L | | 89 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 65203 | 10.221 | ug/L | | 97 |
| 54) Bromodichloromethane | 6.417 | 83 | 84826 | 9.854 | ug/L | # | 98 |
| 57) 1,4-Dioxane | 6.642 | 88 | 17462 | 499.064 | ug/L | # | 75 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 74023 | 8.573 | ug/L | | 97 |
| 61) Toluene | 7.303 | 92 | 147905 | 9.953 | ug/L | | 100 |
| 62) 4-Methyl-2-pentanone | 7.702 | 58 | 11049 | 9.585 | ug/L | # | 90 |
| 63) Tetrachloroethene | 7.654 | 166 | 67902 | 9.287 | ug/L | | 87 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 61994 | 8.634 | ug/L | | 98 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 38066 | 10.096 | ug/L | | 94 |
| 69) Chlorodibromomethane | 7.974 | 129 | 54703 | 8.654 | ug/L | | 96 |
| 71) 1,2-Dibromoethane | 8.137 | 107 | 46481 | 9.474 | ug/L | | 100 |
| 72) 2-Hexanone | 8.373 | 43 | 19362 | 9.364 | ug/L | # | 95 |
| 73) Chlorobenzene | 8.546 | 112 | 180260 | 9.619 | ug/L | # | 86 |
| 74) Ethylbenzene | 8.582 | 91 | 271767 | 9.734 | ug/L | | 97 |
| 76) p/m Xylene | 8.692 | 106 | 231513 | 19.939 | ug/L | | 91 |
| 77) o Xylene | 8.970 | 106 | 221720 | 19.623 | ug/L | | 87 |
| 78) Styrene | 9.007 | 104 | 388491 | 20.850 | ug/L | # | 84 |
| 80) Bromoform | 9.012 | 173 | 28582 | 8.012 | ug/L | | 97 |
| 82) Isopropylbenzene | 9.180 | 105 | 281240 | 9.591 | ug/L | | 95 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 51350 | 9.648 | ug/L | | 99 |
| 100) 1,3-Dichlorobenzene | 9.966 | 146 | 166182 | 9.239 | ug/L | | 96 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 167226 | 9.278 | ug/L | | 96 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 154263 | 9.418 | ug/L | | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 7859 | 8.316 | ug/L | | 93 |
| 109) 1,2,4-Trichlorobenzene | 11.089 | 180 | 96691 | 8.234 | ug/L | | 98 |
| 111) 1,2,3-Trichlorobenzene | 11.366 | 180 | 91659 | 8.506 | ug/L | | 99 |

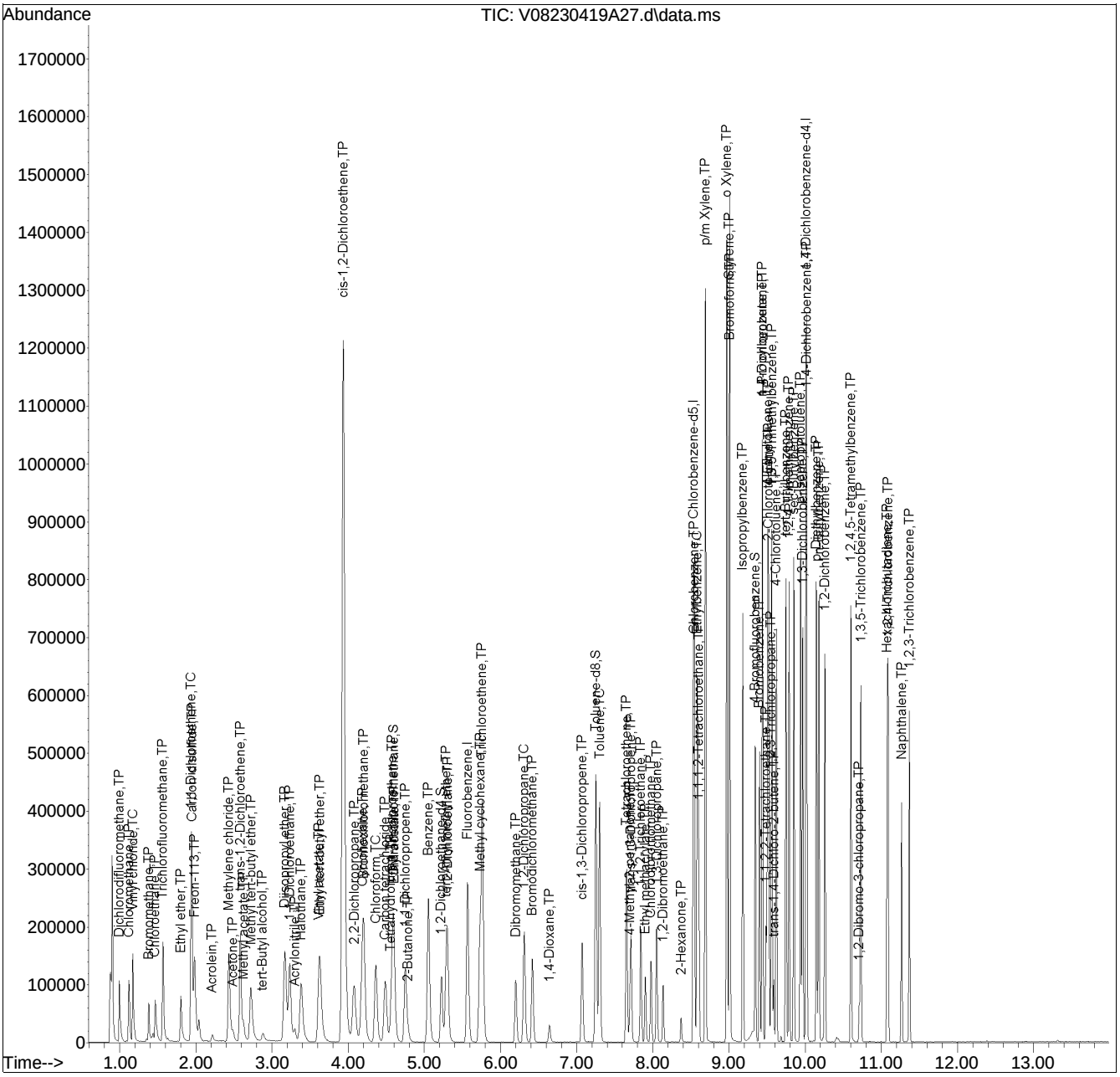
(#) = qualifier out of range (m) = manual integration (+) = signals summed

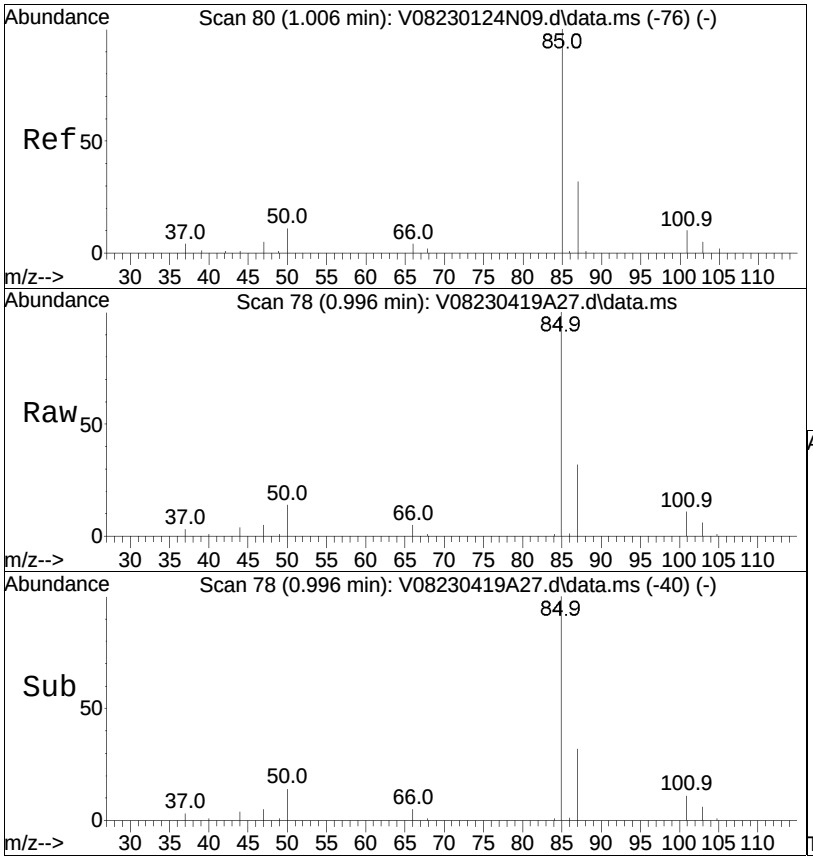
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A27.d
Acq On : 19 Apr 2023 5:19 pm
Operator : VOA108:MJV
Sample : WG1769022-6,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 09:39:31 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

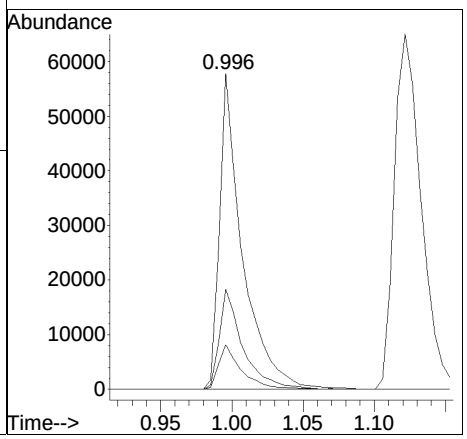


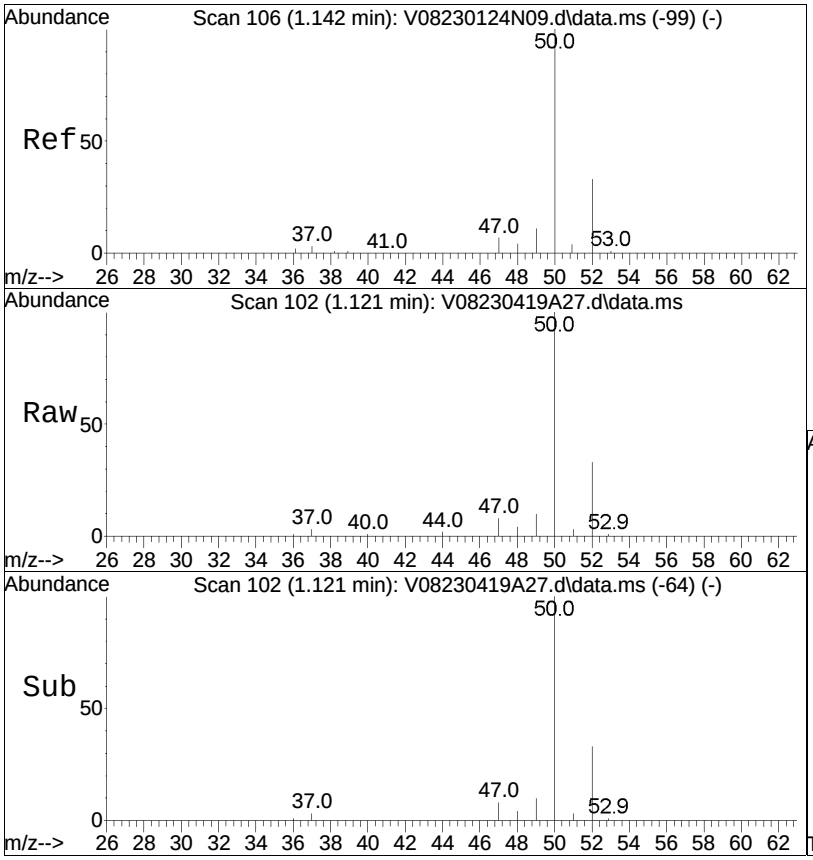



#2
Dichlorodifluoromethane
Concen: 12.07 ug/L
RT: 0.996 min Scan# 78
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 85 Resp: 64959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 21.0 | 43.6 |
| 50 | 14.2 | 8.9 | 18.5 |

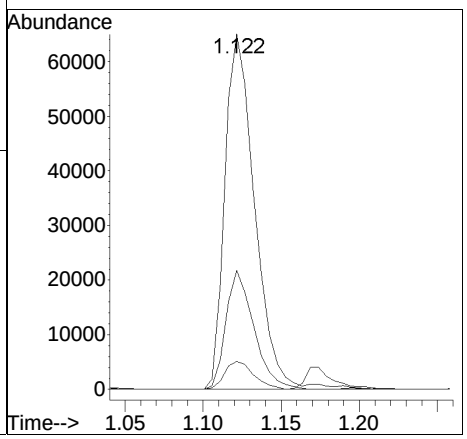


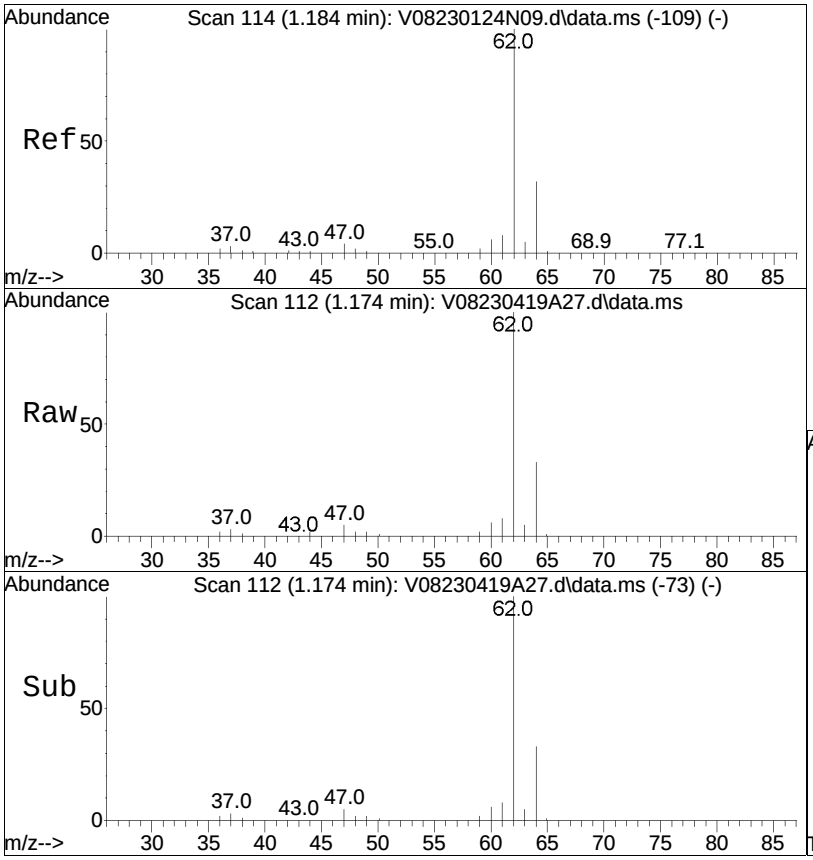



#3
Chloromethane
Concen: 12.15 ug/L
RT: 1.121 min Scan# 102
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 50 Resp: 86854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 12.9 | 52.9 |
| 47 | 7.7 | 0.0 | 28.3 |

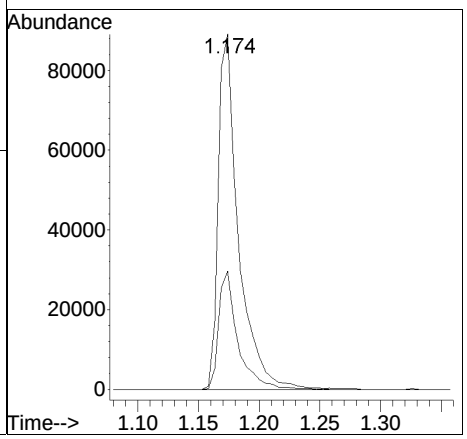


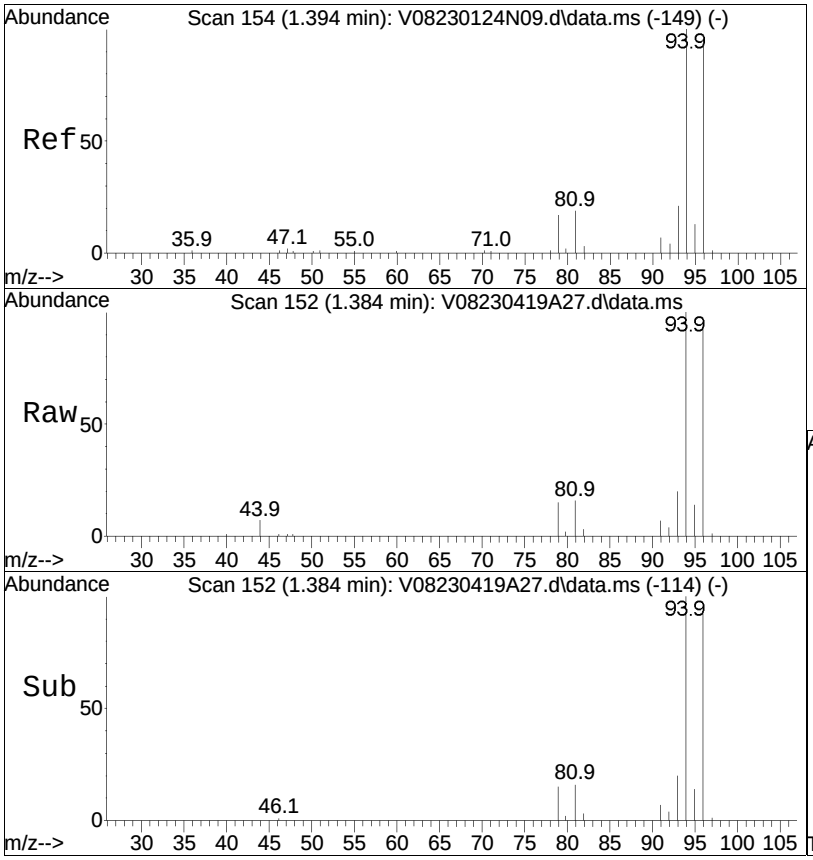



#4
Vinyl chloride
Concen:  16.18 ug/L
RT:  1.174 min  Scan# 112
Delta R.T.  0.005 min
Lab File:  V08230419A27.d
Acq: 19 Apr 2023  5:19 pm

Tgt Ion: 62 Resp:  103158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 9.1 | 49.1 |

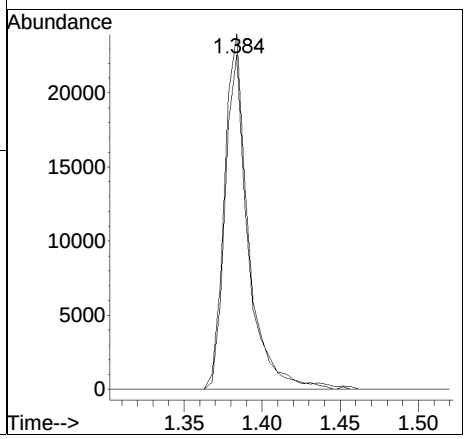


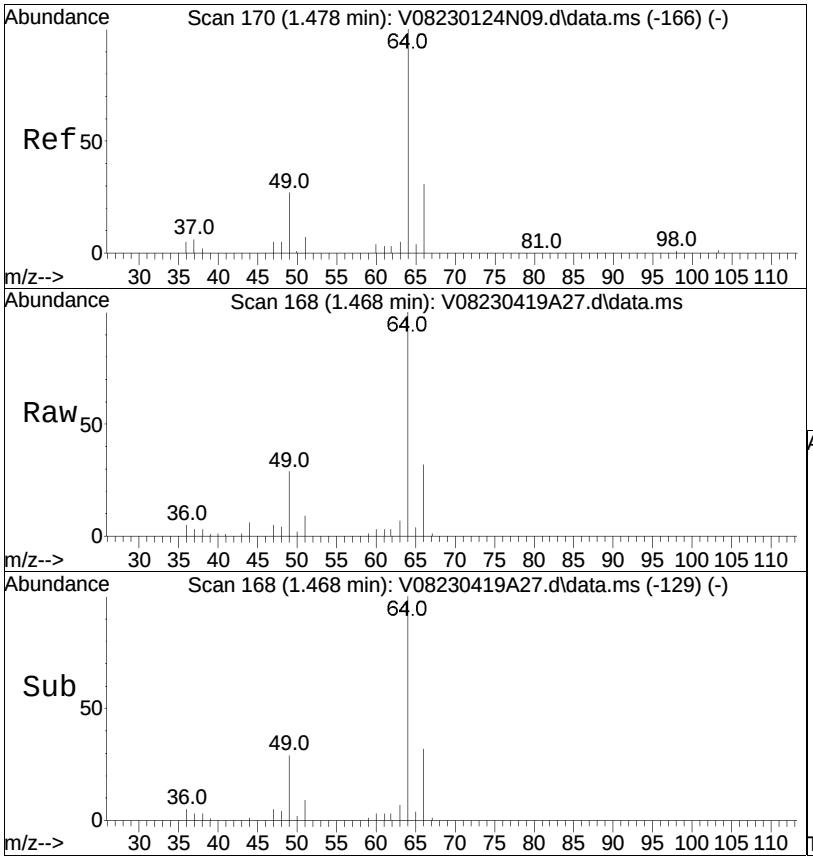



#5
Bromomethane
Concen: 5.99 ug/L
RT: 1.384 min Scan# 152
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 94 Resp: 25866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.2 | 75.6 | 115.6 |

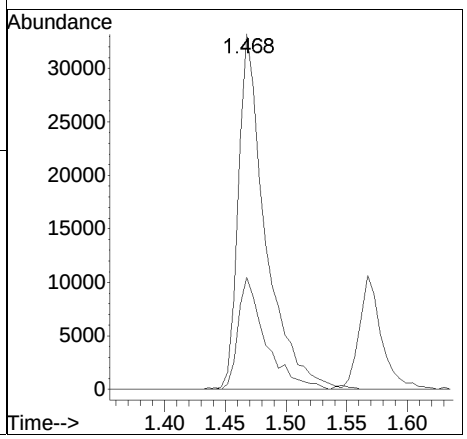


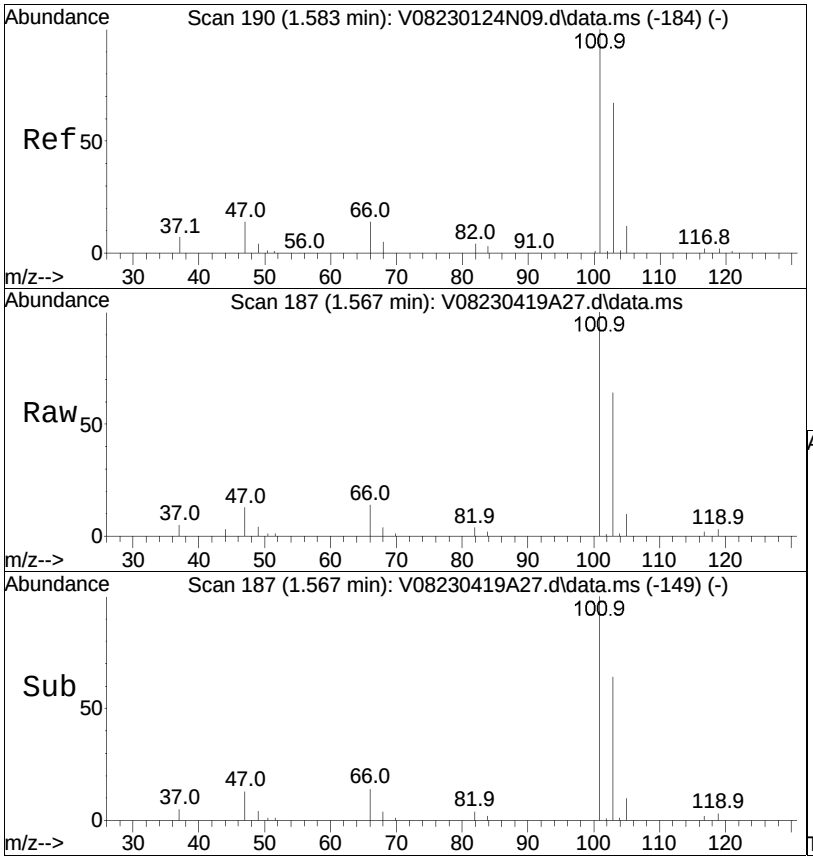



#6
Chloroethane
Concen: 10.39 ug/L
RT: 1.468 min Scan# 168
Delta R.T. 0.006 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 64 Resp: 51788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 9.8 | 49.8 |

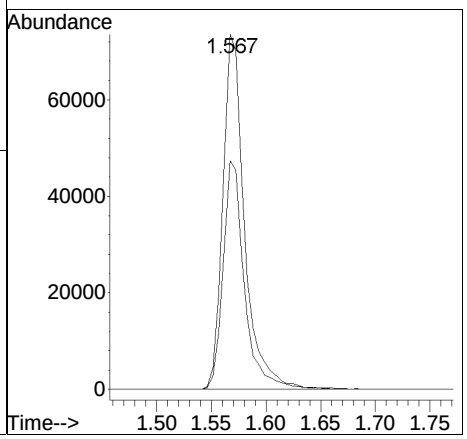


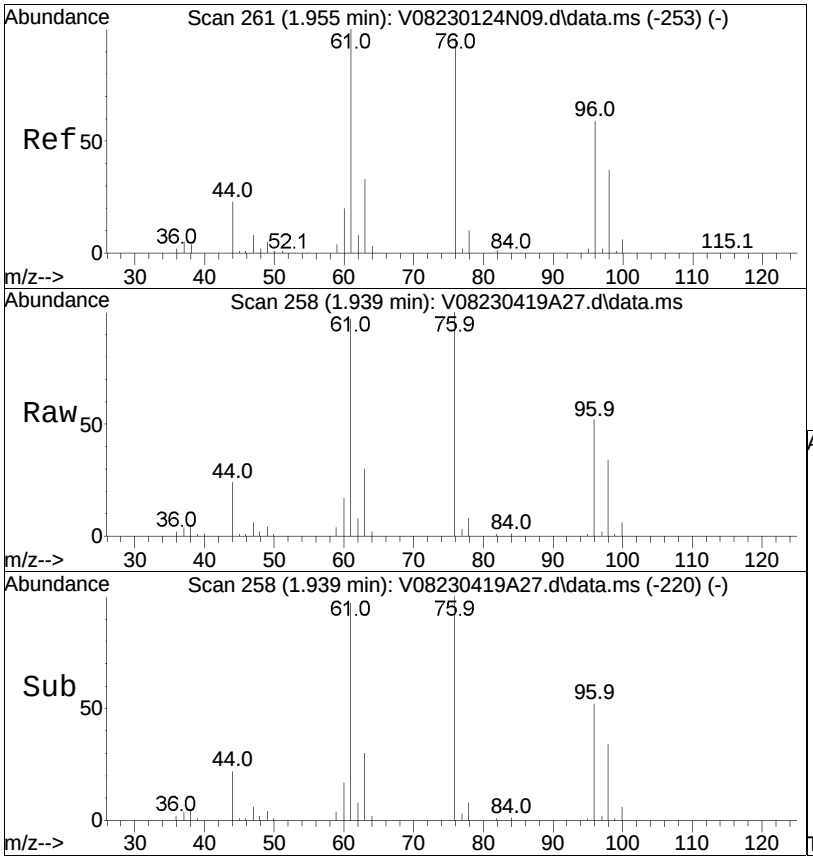



#7
Trichlorofluoromethane
Concen: 10.38 ug/L
RT: 1.567 min Scan# 187
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:101 Resp: 101843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.3 | 53.8 | 80.6 |

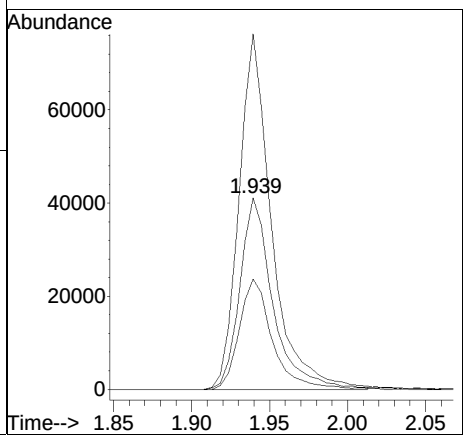


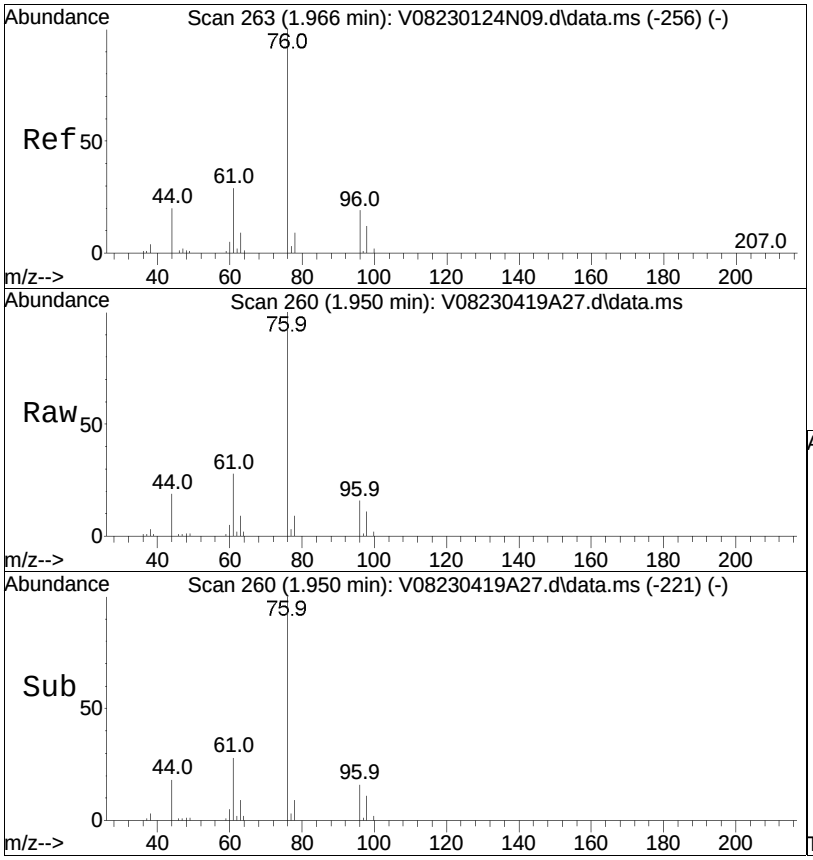



#10
1,1-Dichloroethene
Concen: 10.10 ug/L
RT: 1.939 min Scan# 258
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 96 Resp: 60747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.8 | 186.1 | 279.1# |
| 63 | 57.8 | 57.6 | 86.4 |

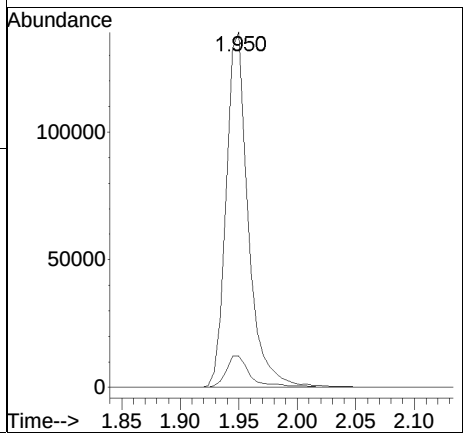


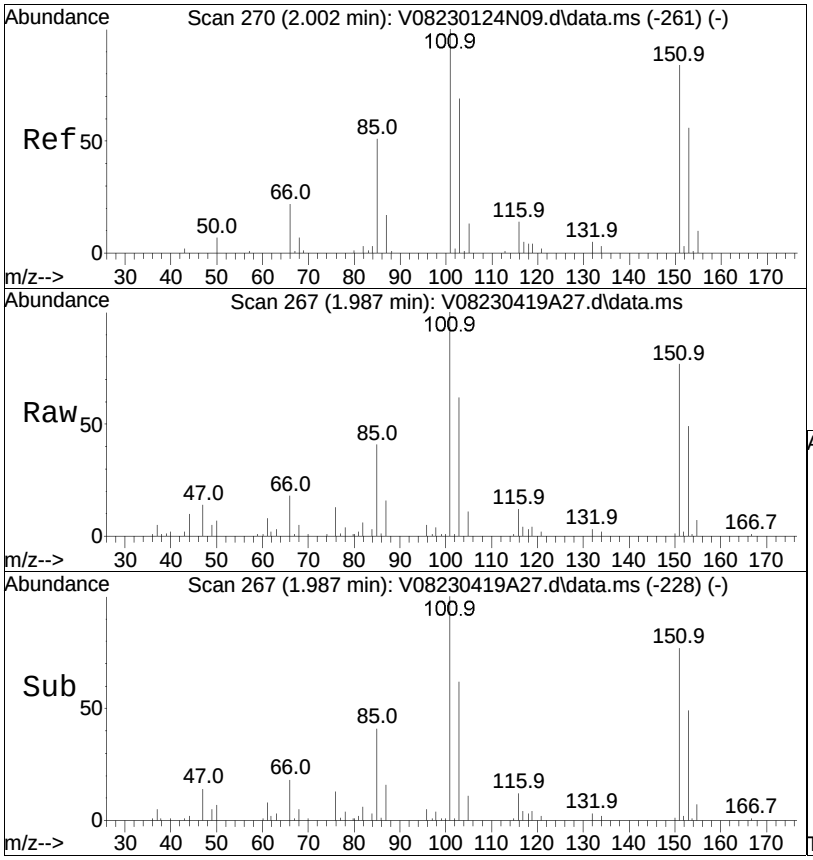



#11
Carbon disulfide
Concen: 10.00 ug/L
RT: 1.950 min Scan# 260
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 76 Resp: 183291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.0 | 5.7 | 11.7 |

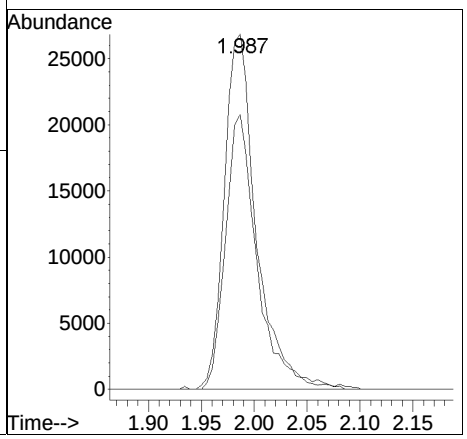


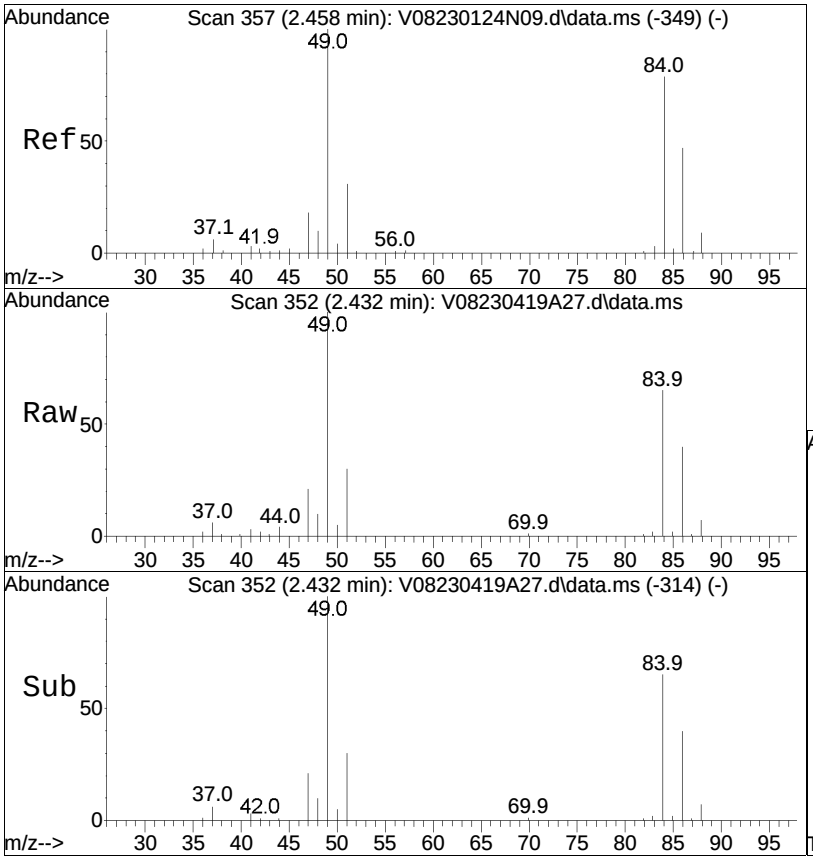



#12
Freon-113
Concen: 9.22 ug/L
RT: 1.987 min Scan# 267
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:101 Resp: 56916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 76.1 | 59.8 | 89.8 |

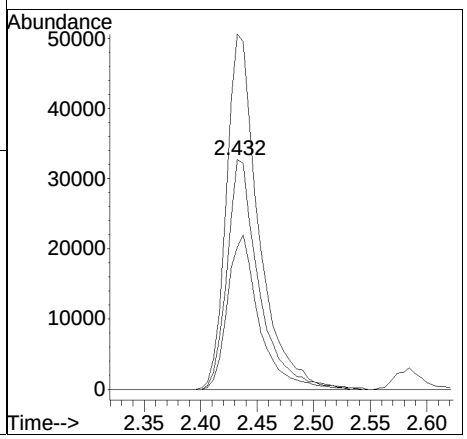


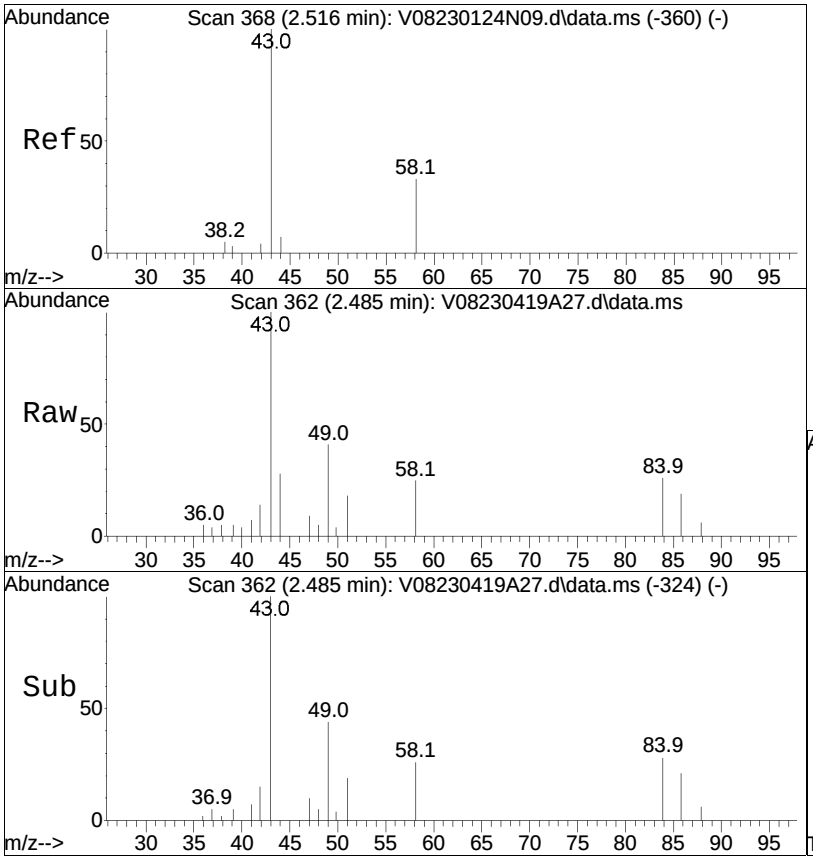



#15
Methylene chloride
Concen: 9.31 ug/L
RT: 2.432 min Scan# 352
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 84 Resp: 64022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 67.1 | 40.4 | 83.8 |
| 49 | 157.3 | 120.0 | 249.2 |

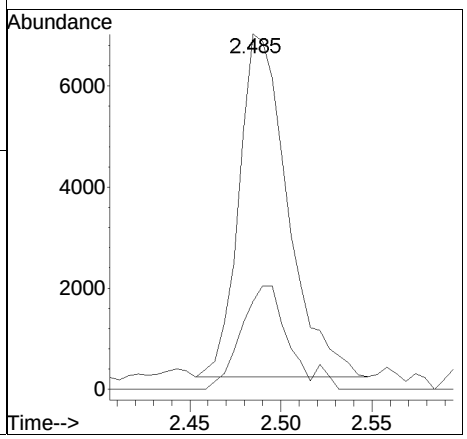


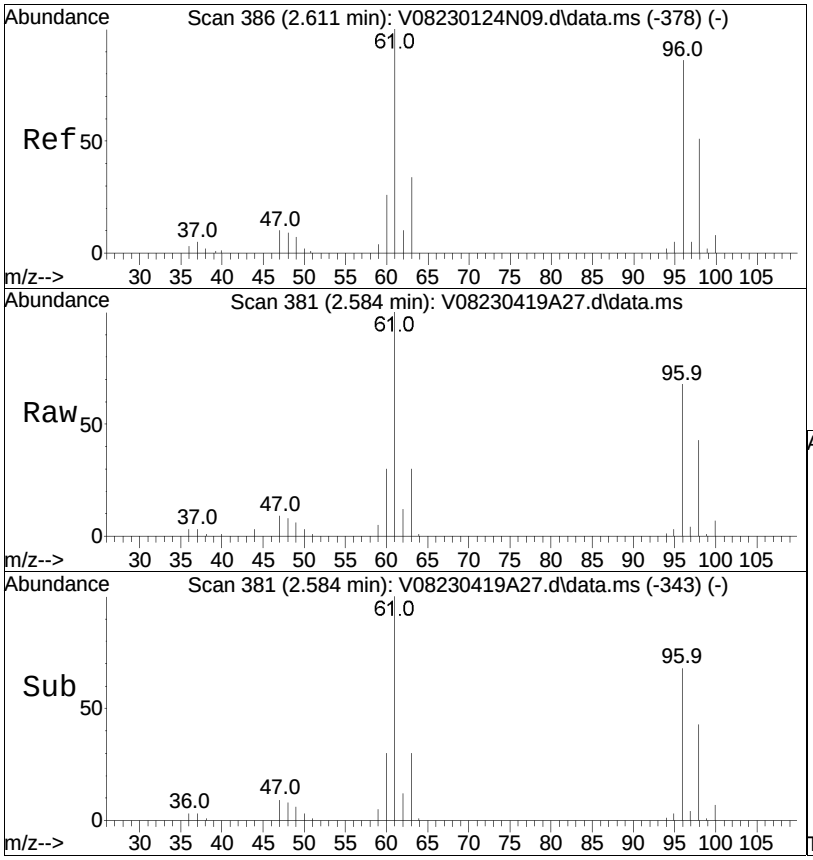



#17
Acetone
Concen: 9.54 ug/L
RT: 2.485 min Scan# 362
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 43 Resp: 12654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 24.2 | 36.4 |

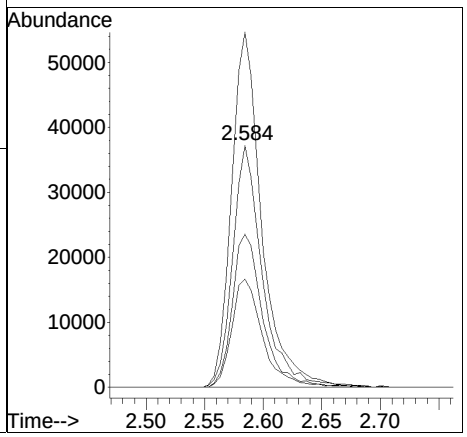


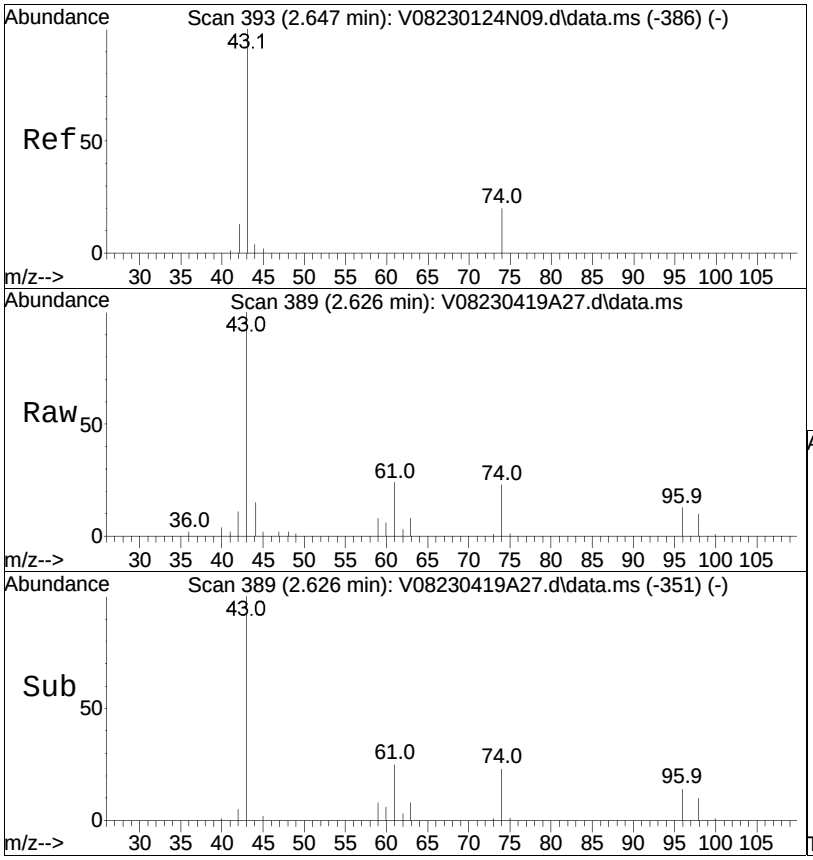



#18
trans-1,2-Dichloroethene
Concen: 9.63 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 96 Resp: 66186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.5 | 124.0 | 257.6 |
| 98 | 65.2 | 41.2 | 85.6 |
| 63 | 46.8 | 38.4 | 79.7 |

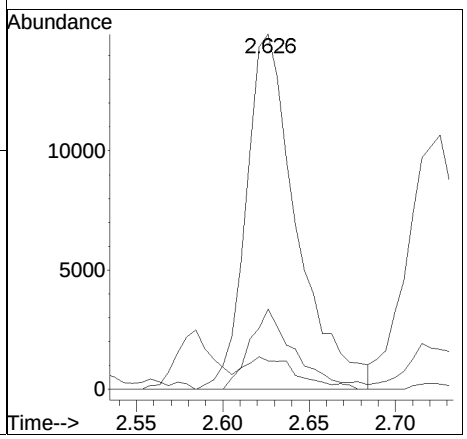


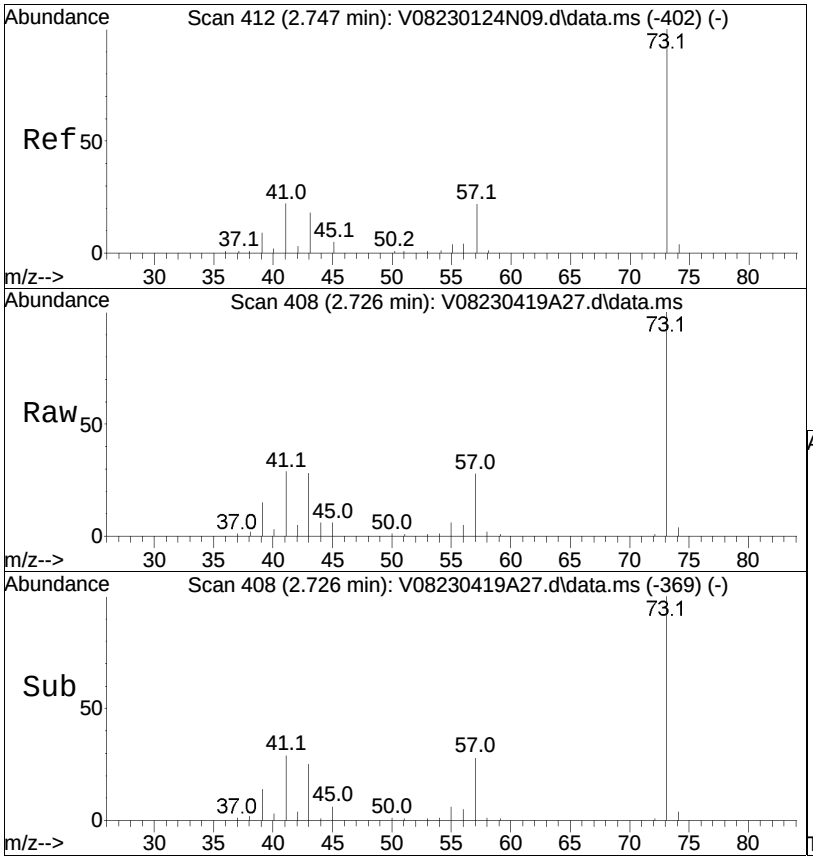



#19
Methyl acetate
Concen: 10.09 ug/L
RT: 2.626 min Scan# 389
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 43 Resp: 30402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.4 | 14.2 | 21.4 |
| 59 | 9.6 | 5.0 | 7.6# |

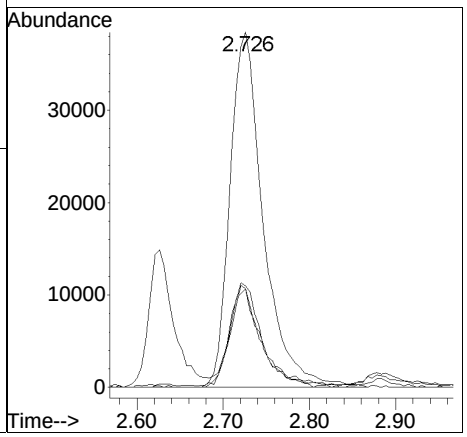


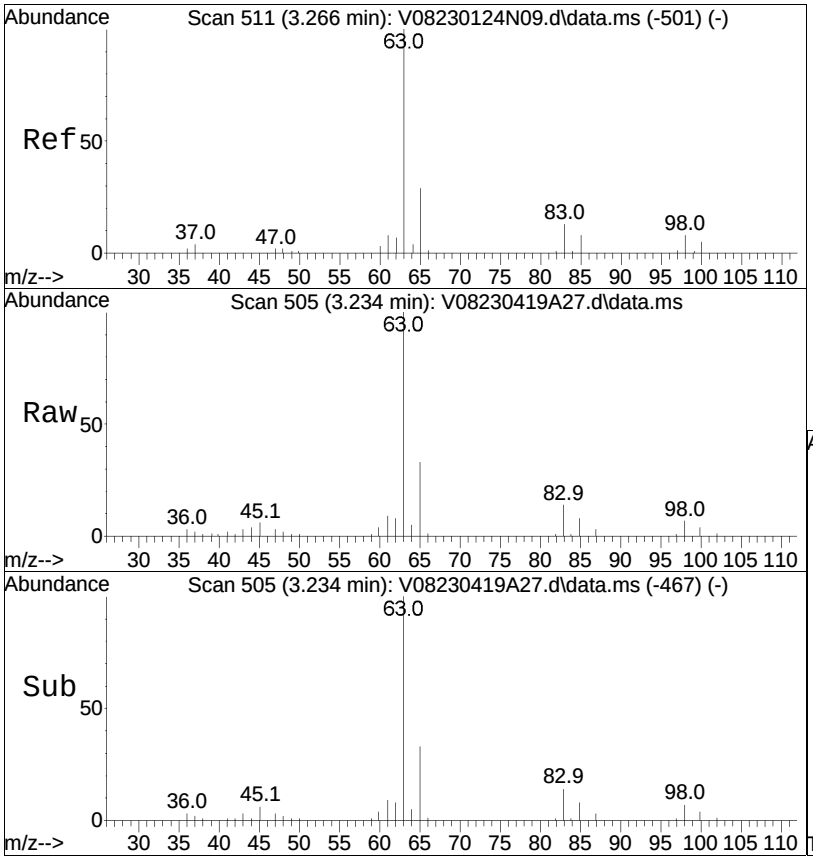



#20
Methyl tert-butyl ether
Concen: 9.10 ug/L
RT: 2.726 min Scan# 408
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 73 Resp: 103543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.0 | 17.5 | 36.3 |
| 43 | 25.5 | 15.3 | 31.9 |
| 41 | 27.2 | 15.3 | 31.7 |

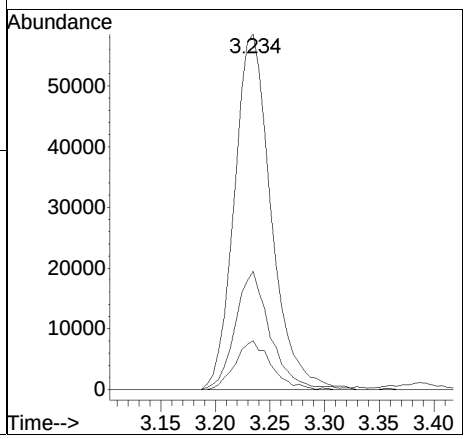


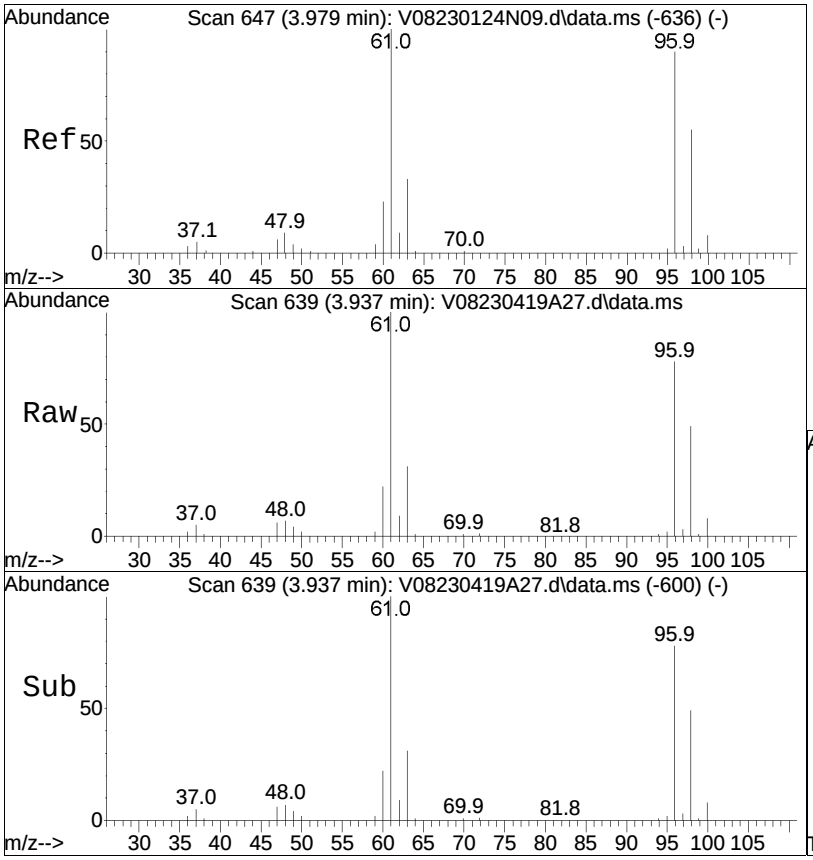



#23
1,1-Dichloroethane
Concen: 11.09 ug/L
RT: 3.234 min Scan# 505
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 63 Resp: 137178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 11.0 | 51.0 |
| 83 | 13.2 | 0.0 | 31.8 |

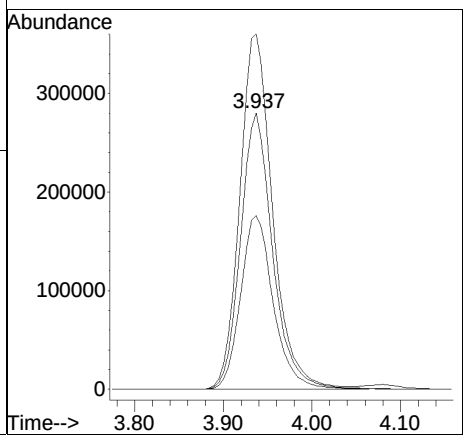


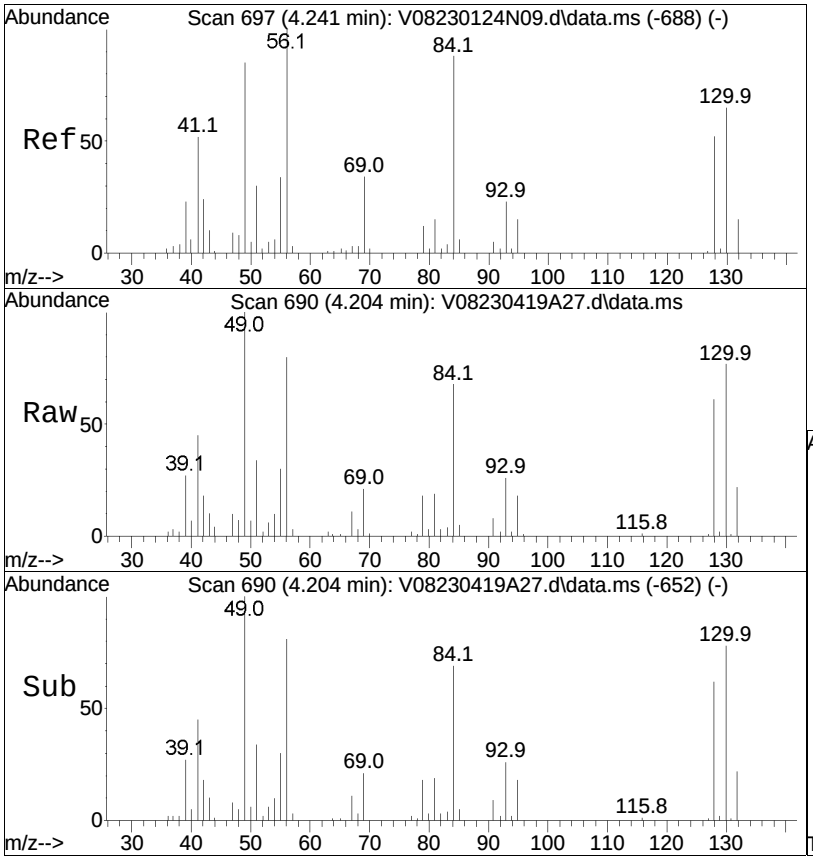



#28
cis-1,2-Dichloroethene
Concen: 94.27 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 96 Resp: 706330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.6 | 149.4 | 224.2# |
| 98 | 64.5 | 53.4 | 80.2 |

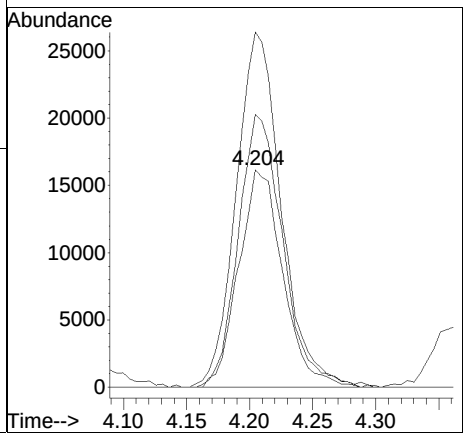


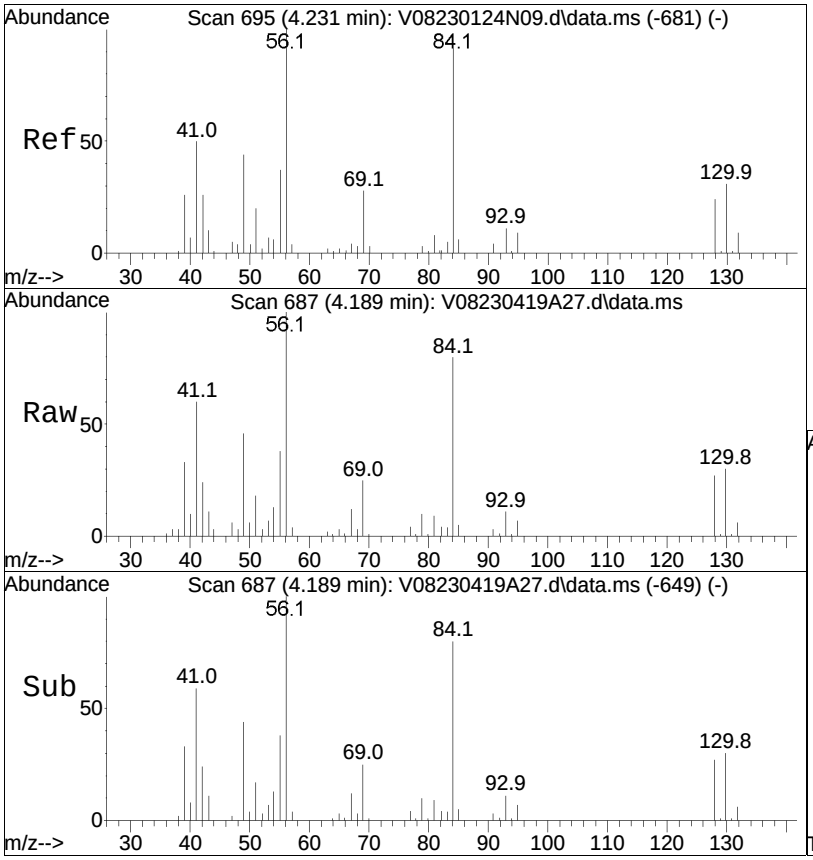



#30
Bromochloromethane
Concen: 9.82 ug/L
RT: 4.204 min Scan# 690
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:128 Resp: 39499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 166.7 | 223.0 | 334.4# |
| 130 | 126.7 | 111.4 | 167.0 |

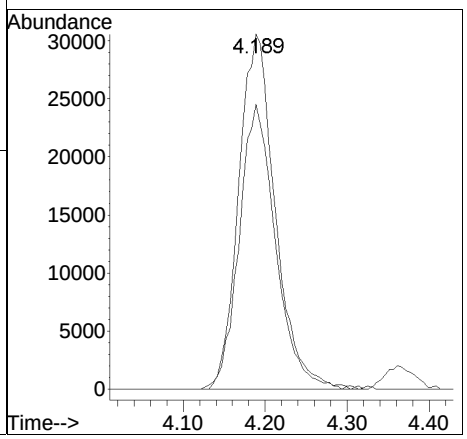


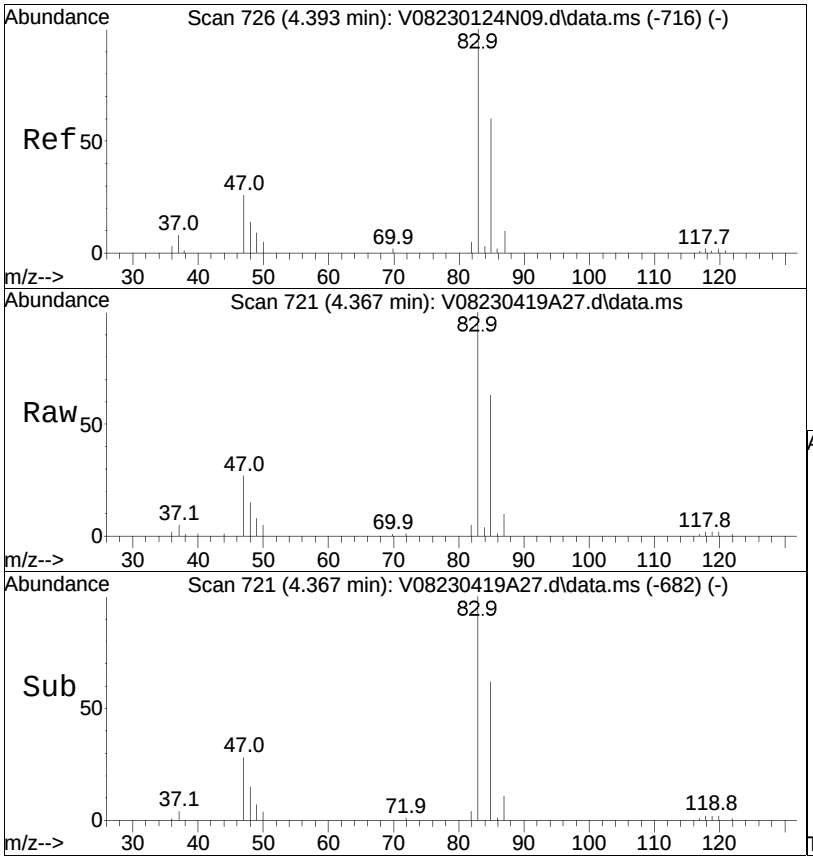



#31
Cyclohexane
Concen: 10.17 ug/L
RT: 4.189 min Scan# 687
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 56 Resp: 95293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 84 | 79.3 | 38.4 | 79.8 |

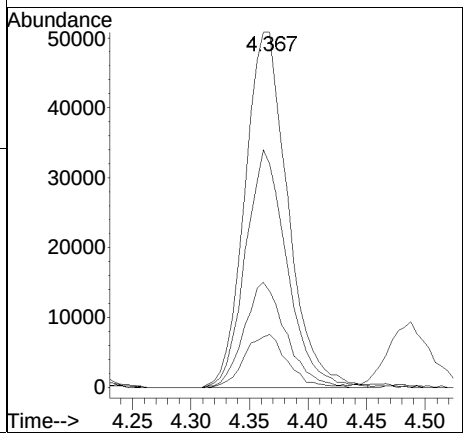


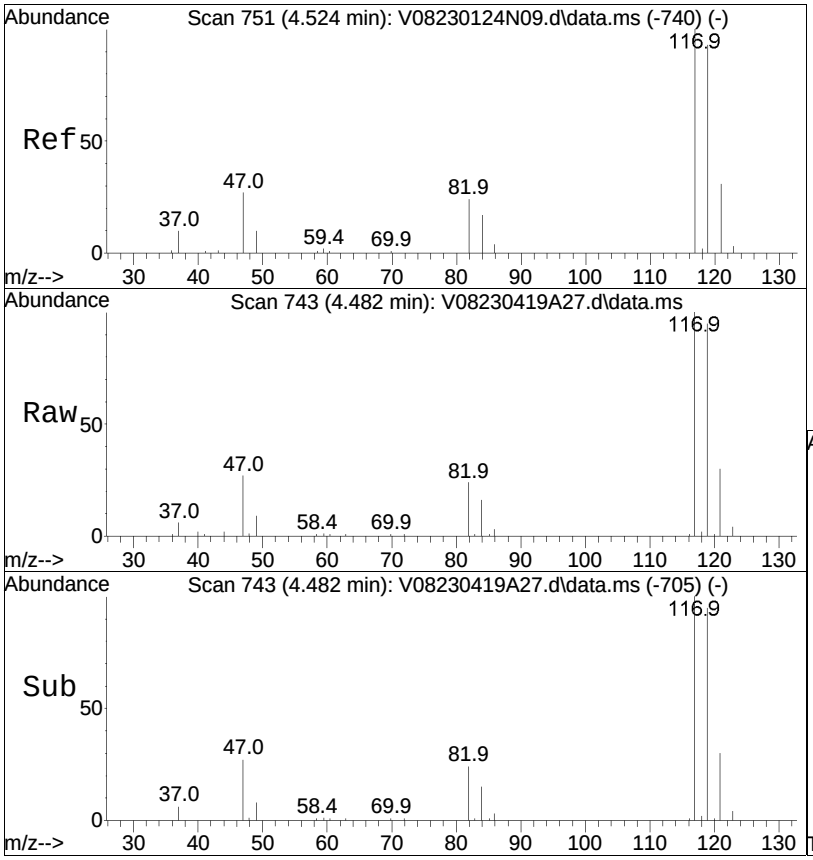



#32
Chloroform
Concen: 10.51 ug/L
RT: 4.367 min Scan# 721
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 83 Resp: 129782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 41.5 | 86.1 |
| 47 | 28.9 | 19.0 | 39.4 |
| 48 | 14.7 | 9.9 | 20.5 |

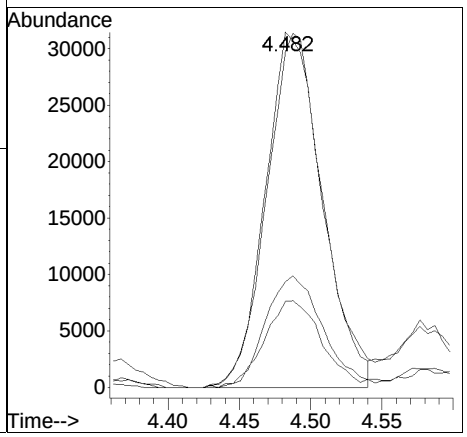


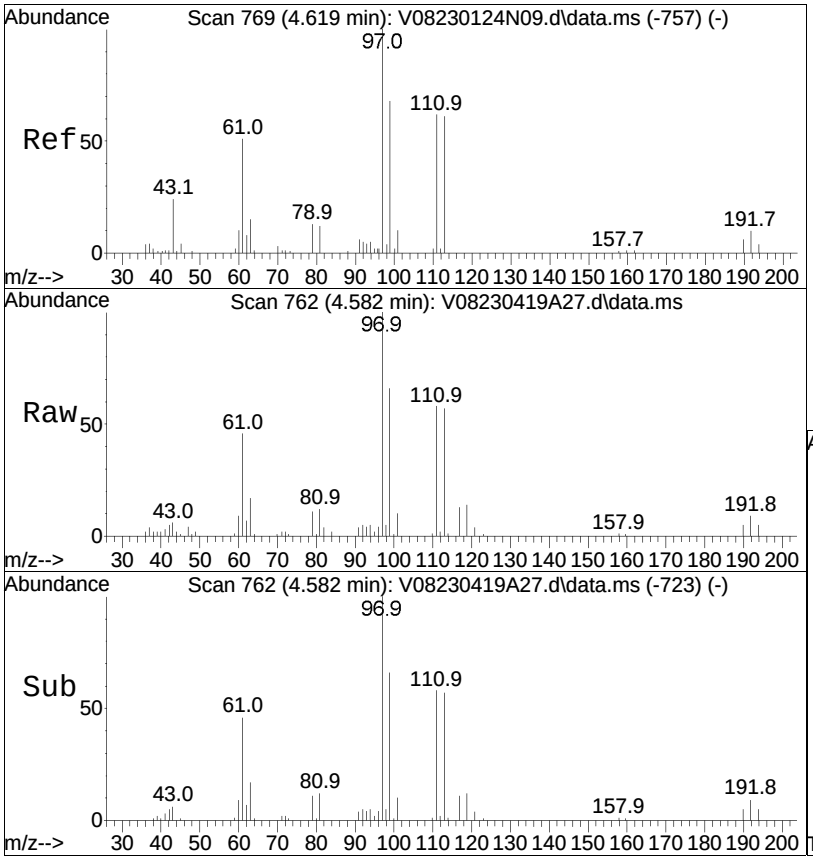



#34
Carbon tetrachloride
Concen: 10.07 ug/L
RT: 4.482 min Scan# 743
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:117 Resp: 87444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.0 | 62.4 | 129.6 |
| 121 | 32.0 | 19.5 | 40.5 |
| 82 | 24.8 | 17.0 | 35.4 |

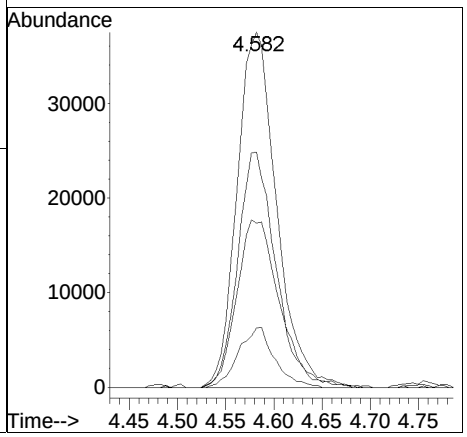


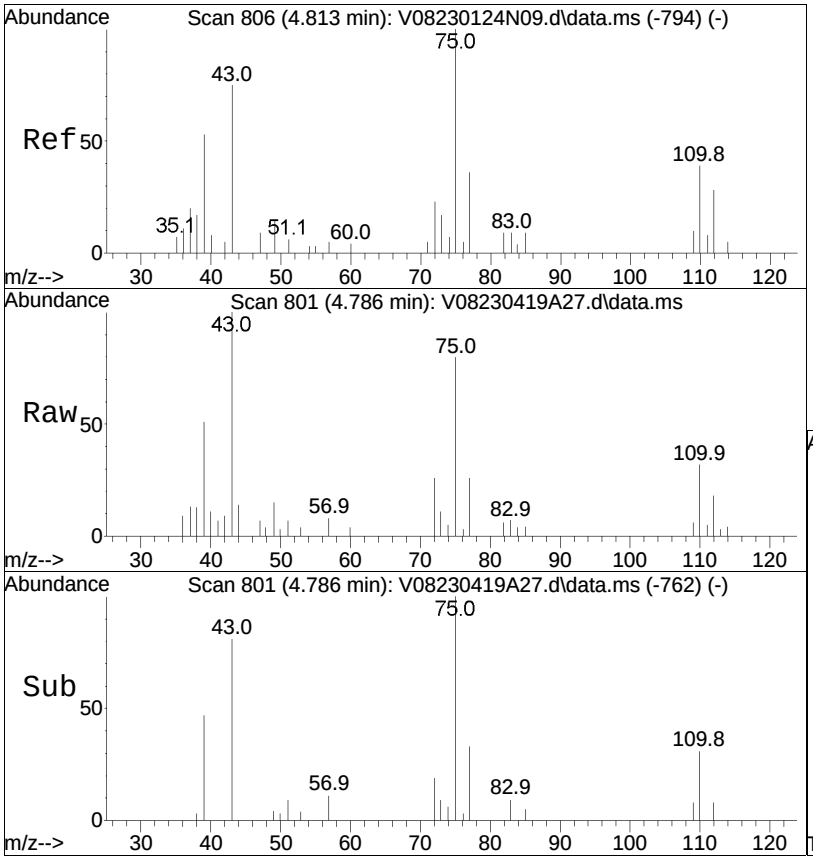



#37
1,1,1-Trichloroethane
Concen: 10.83 ug/L
RT: 4.582 min Scan# 762
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 97 Resp: 107229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 40.7 | 84.5 |
| 61 | 51.1 | 35.4 | 73.4 |
| 63 | 15.4 | 5.0 | 10.4# |

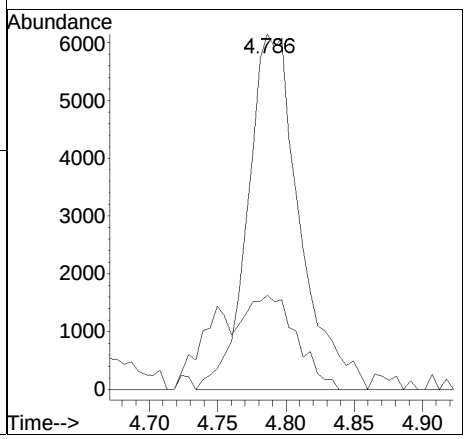


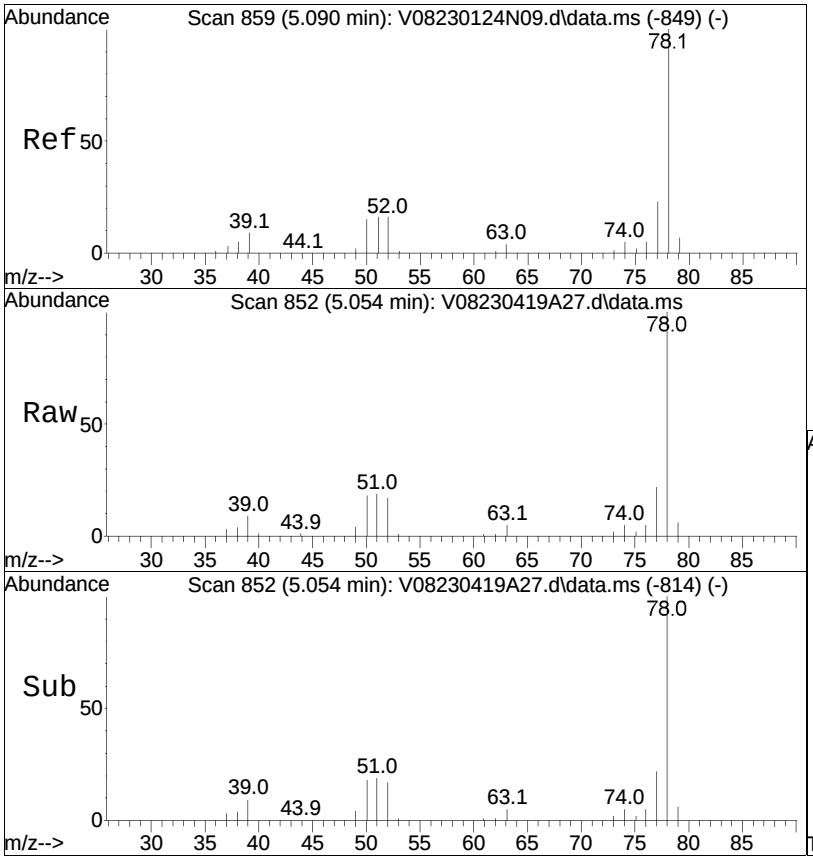



#39
2-Butanone
Concen: 9.94 ug/L
RT: 4.786 min Scan# 801
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 43 Resp: 16128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.5 | 10.9 | 16.3# |

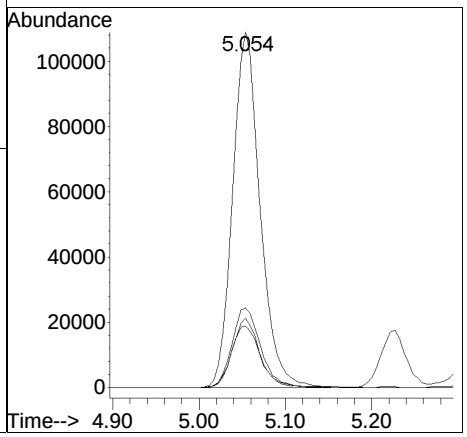


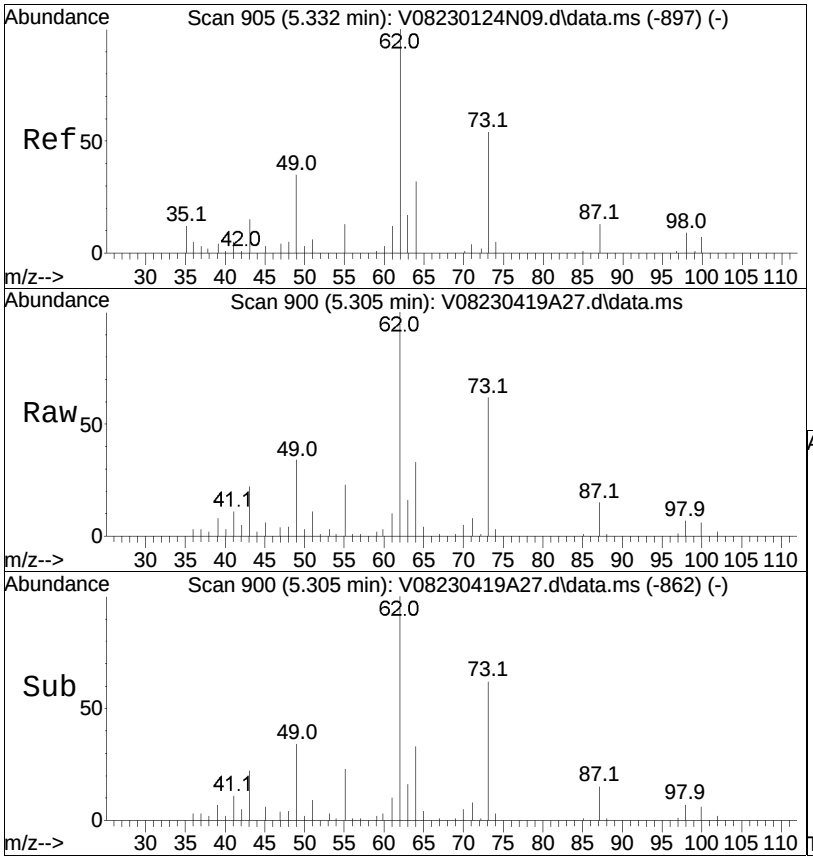



#41
Benzene
Concen: 10.70 ug/L
RT: 5.054 min Scan# 852
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 78 Resp: 240643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 15.7 | 32.7 |
| 51 | 19.4 | 16.0 | 33.2 |
| 52 | 18.2 | 15.3 | 31.9 |

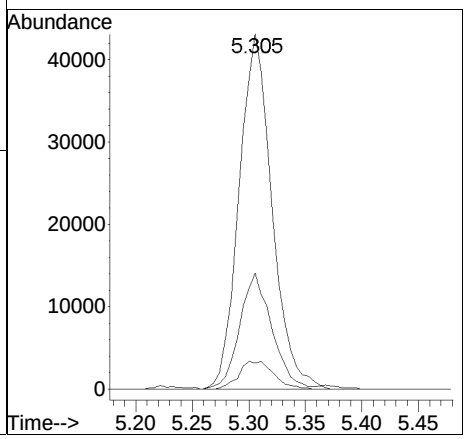


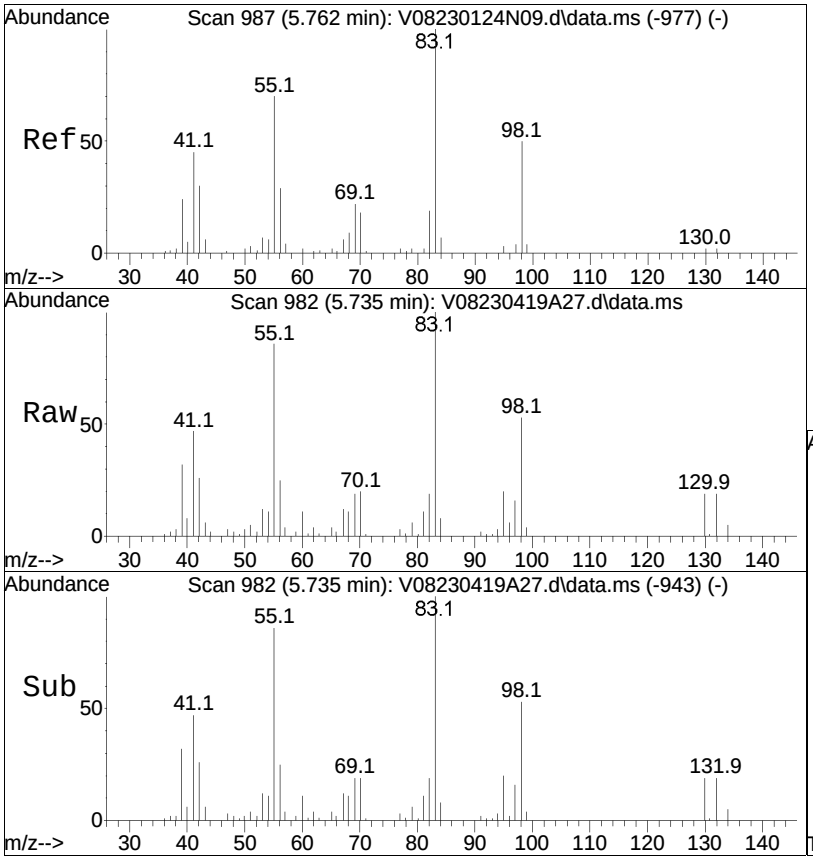



#44
1,2-Dichloroethane
Concen: 10.17 ug/L
RT: 5.305 min Scan# 900
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 62 Resp: 87923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 11.2 | 51.2 |
| 98 | 8.5 | 0.0 | 26.1 |

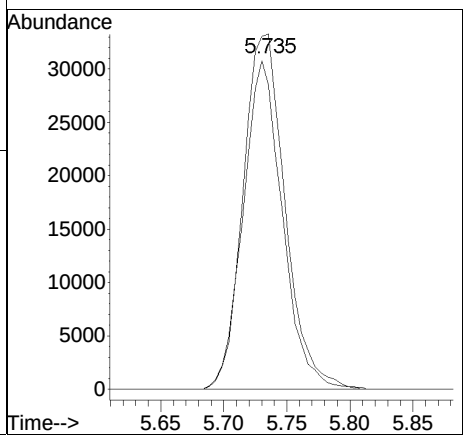


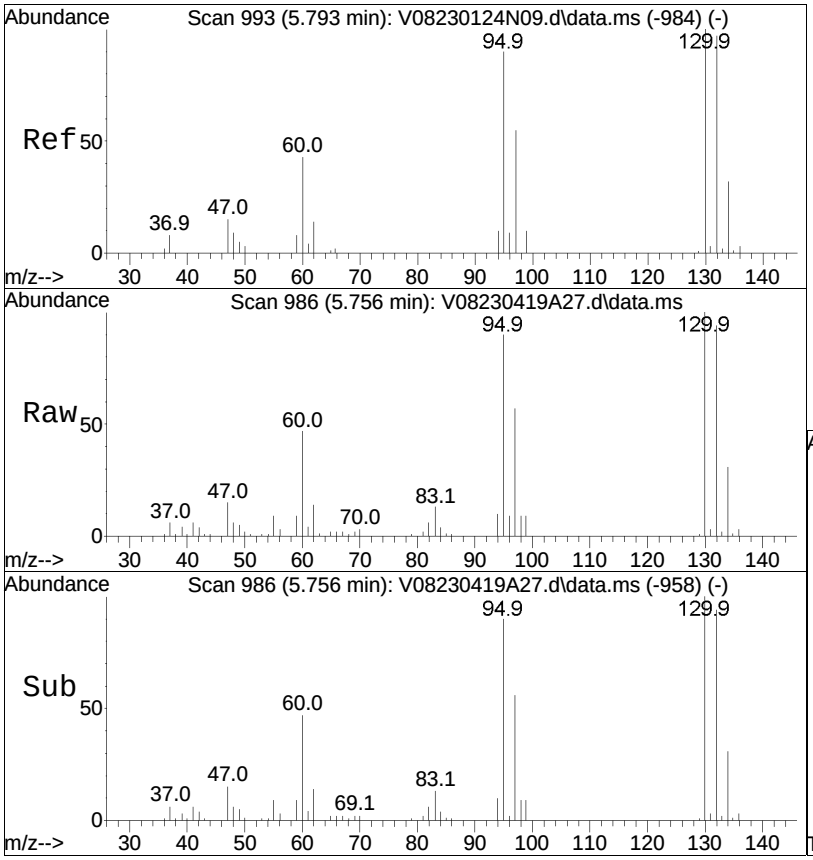



#47
Methyl cyclohexane
Concen: 8.55 ug/L
RT: 5.735 min Scan# 982
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 83 Resp: 77160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.7 | 88.3 | 132.5# |

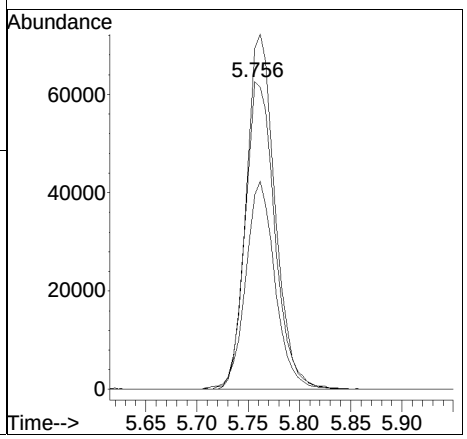


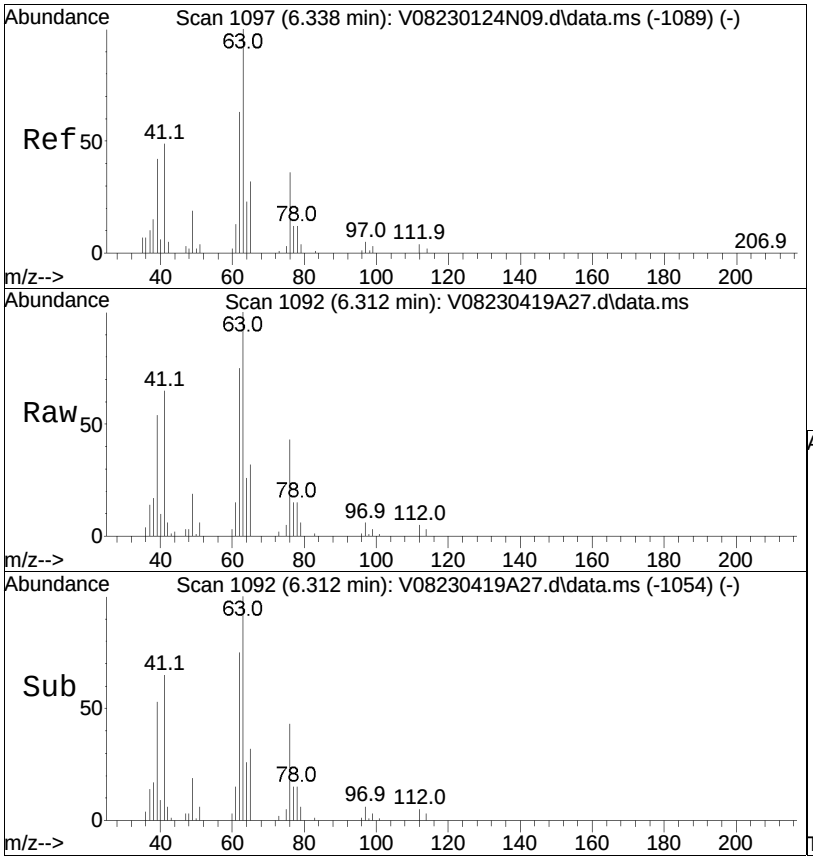



#48
Trichloroethene
Concen: 19.29 ug/L
RT: 5.756 min Scan# 986
Delta R.T. -0.006 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 95 Resp: 126011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.2 | 55.5 | 83.3 |
| 130 | 112.2 | 76.6 | 115.0 |

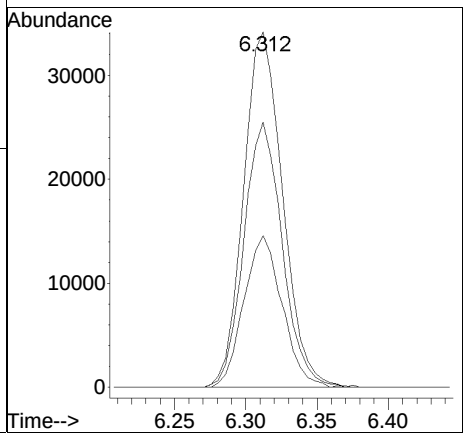


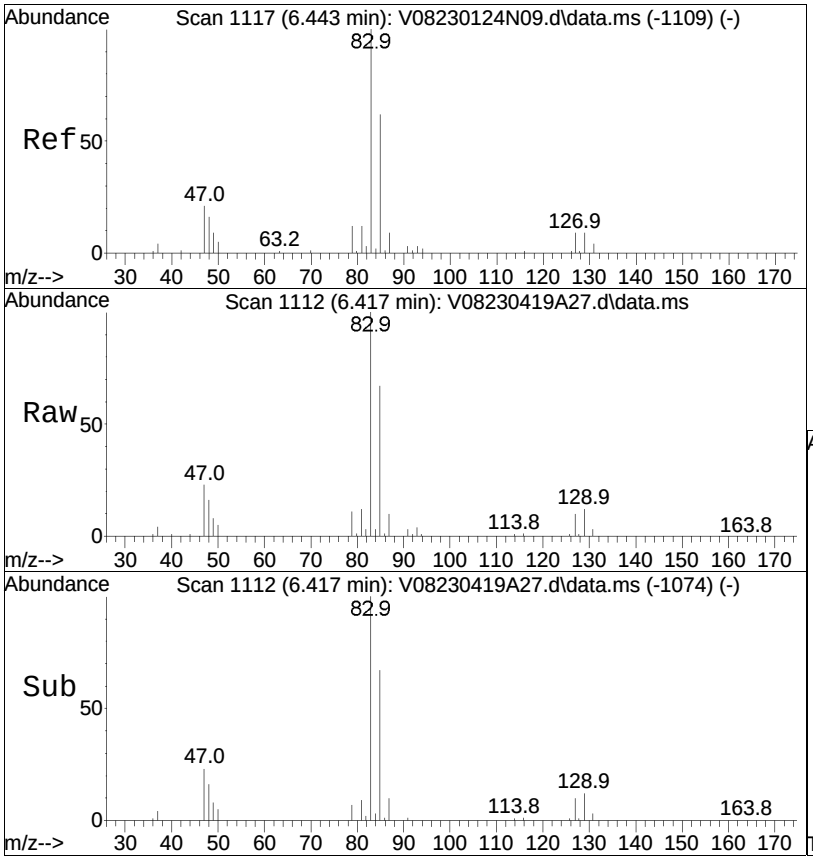



#51
1,2-Dichloropropane
Concen: 10.22 ug/L
RT: 6.312 min Scan# 1092
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 63 Resp: 65203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 62 | 73.3 | 58.6 | 87.8 |
| 76 | 42.0 | 38.0 | 57.0 |

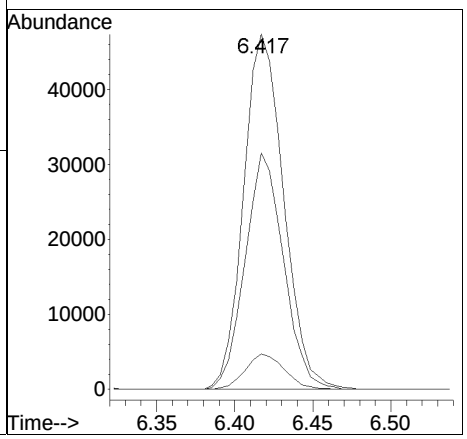


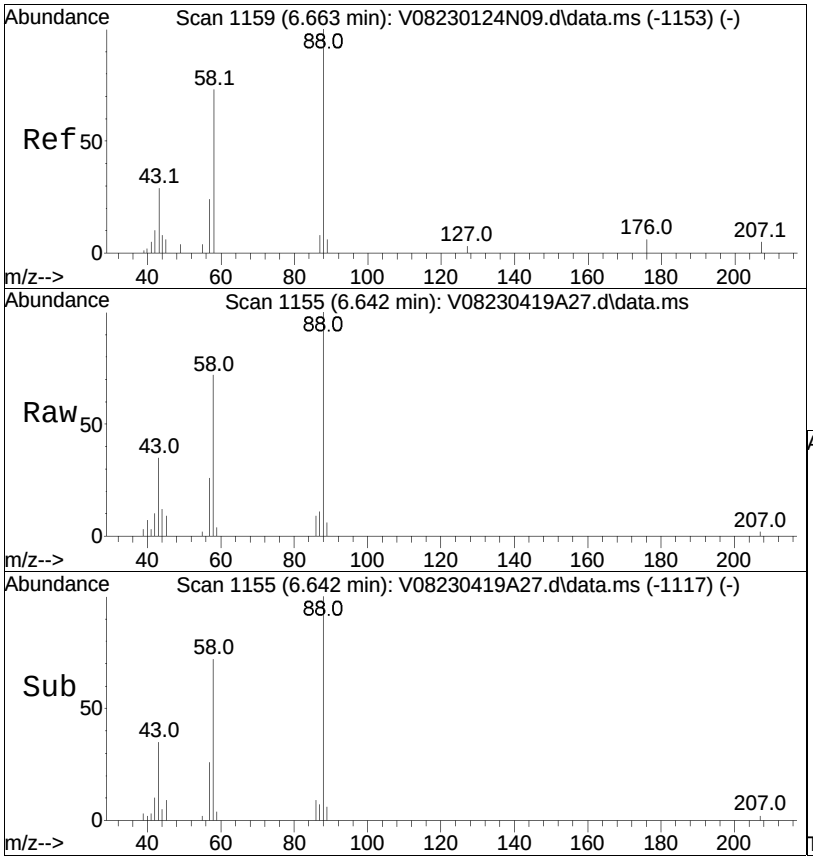



#54
Bromodichloromethane
Concen: 9.85 ug/L
RT: 6.417 min Scan# 1112
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 83 Resp: 84826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 52.3 | 78.5 |
| 127 | 9.8 | 6.2 | 9.4# |

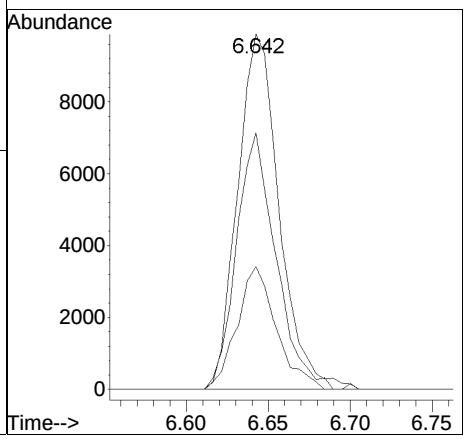


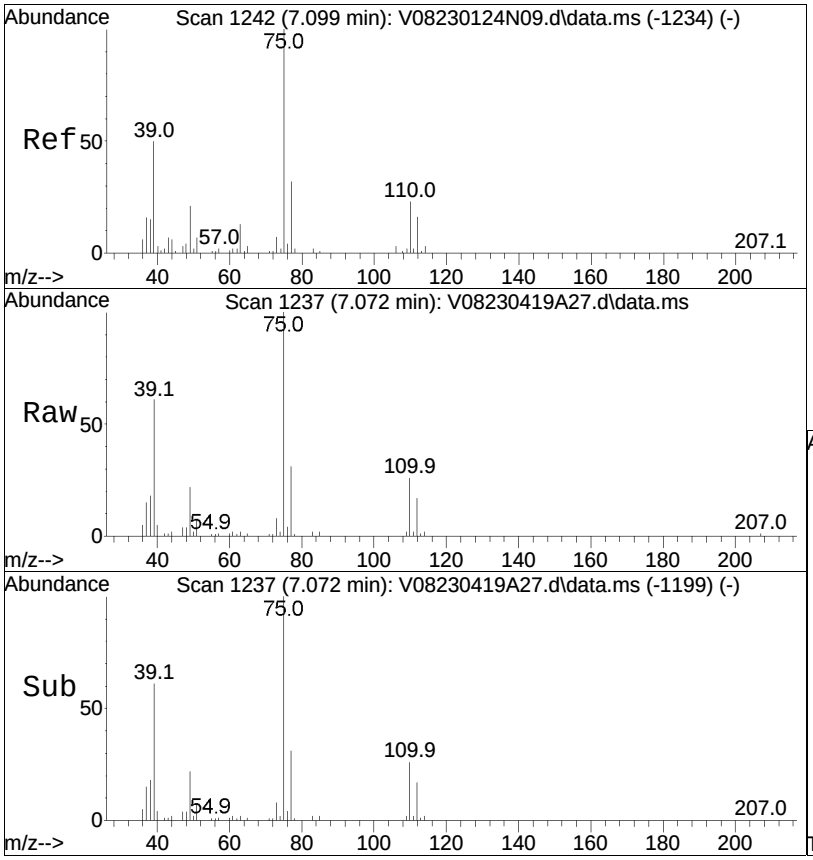



#57
1,4-Dioxane
Concen: 499.06 ug/L
RT: 6.642 min Scan# 1155
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 88 Resp: 17462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 68.4 | 76.7 | 115.1# |
| 43 | 32.7 | 36.2 | 54.2# |

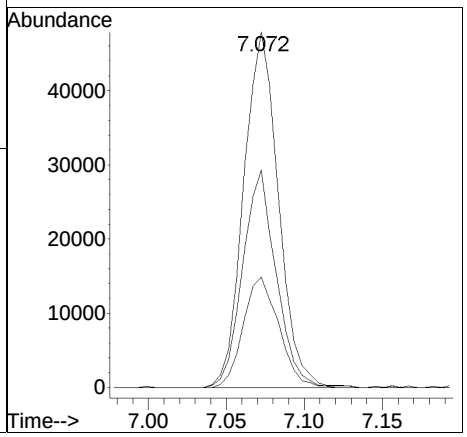


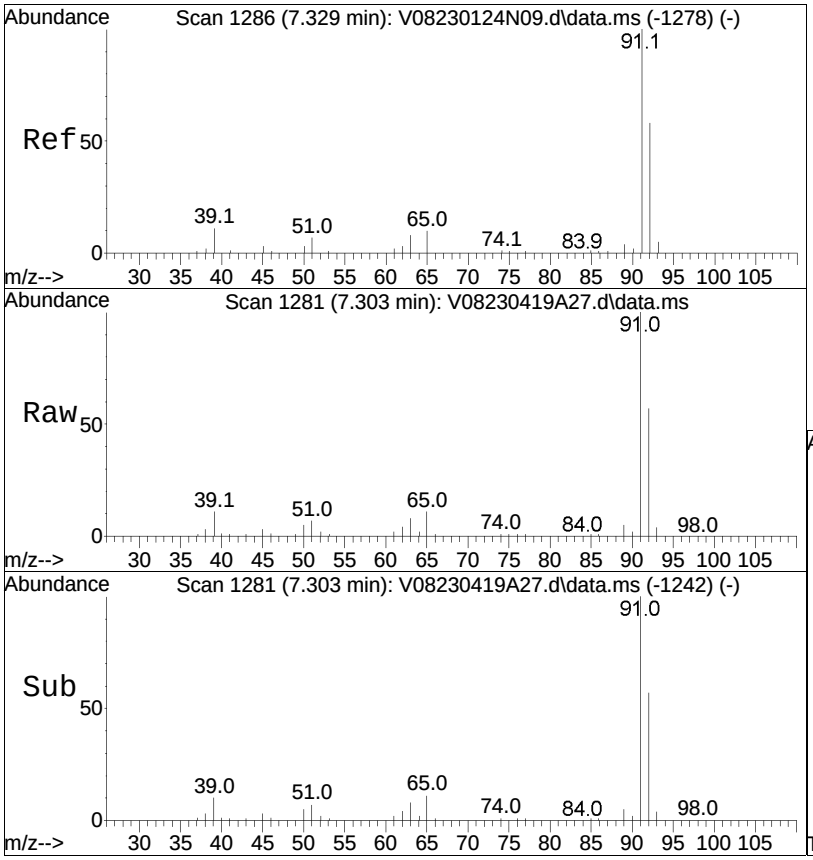



#58
cis-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 7.072 min Scan# 1237
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 75 Resp: 74023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.0 | 37.4 |
| 39 | 59.0 | 50.1 | 75.1 |

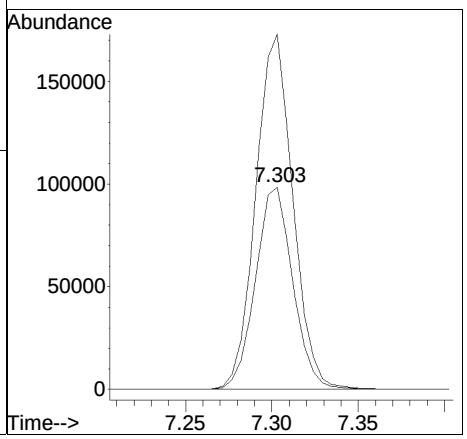


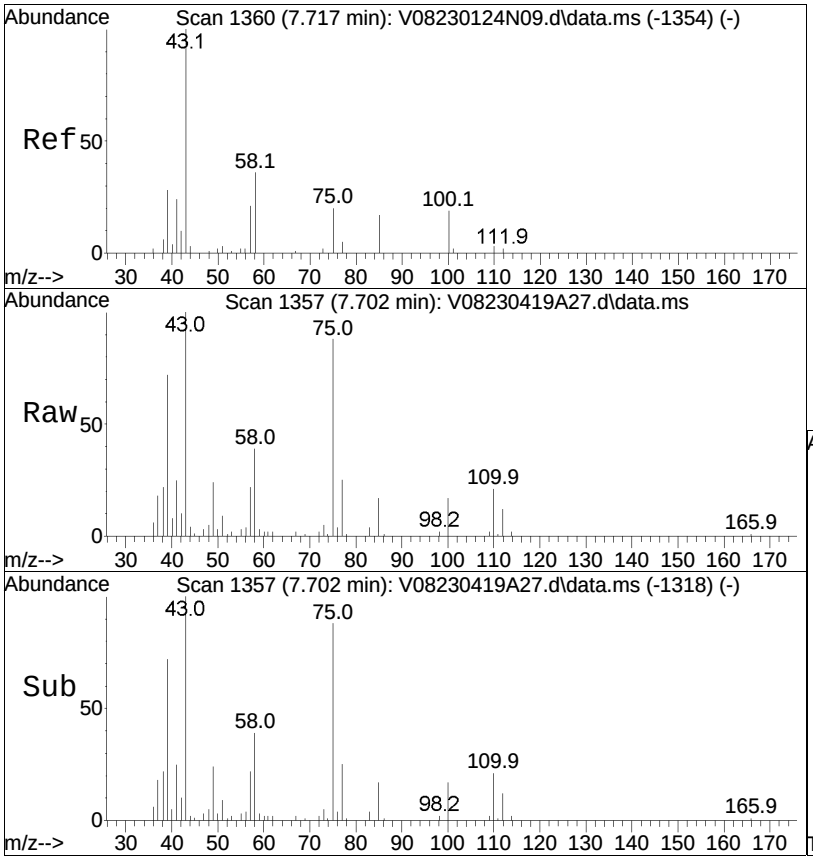



#61
Toluene
Concen: 9.95 ug/L
RT: 7.303 min Scan# 1281
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 92 Resp: 147905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.7 | 139.8 | 209.6 |

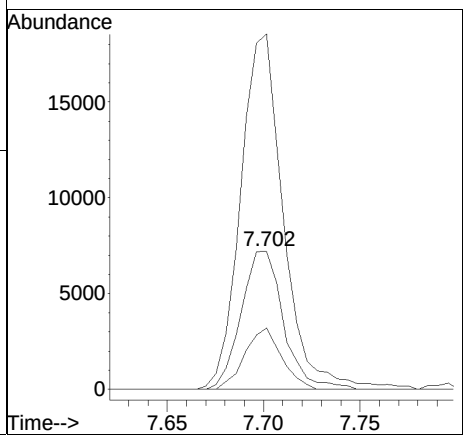


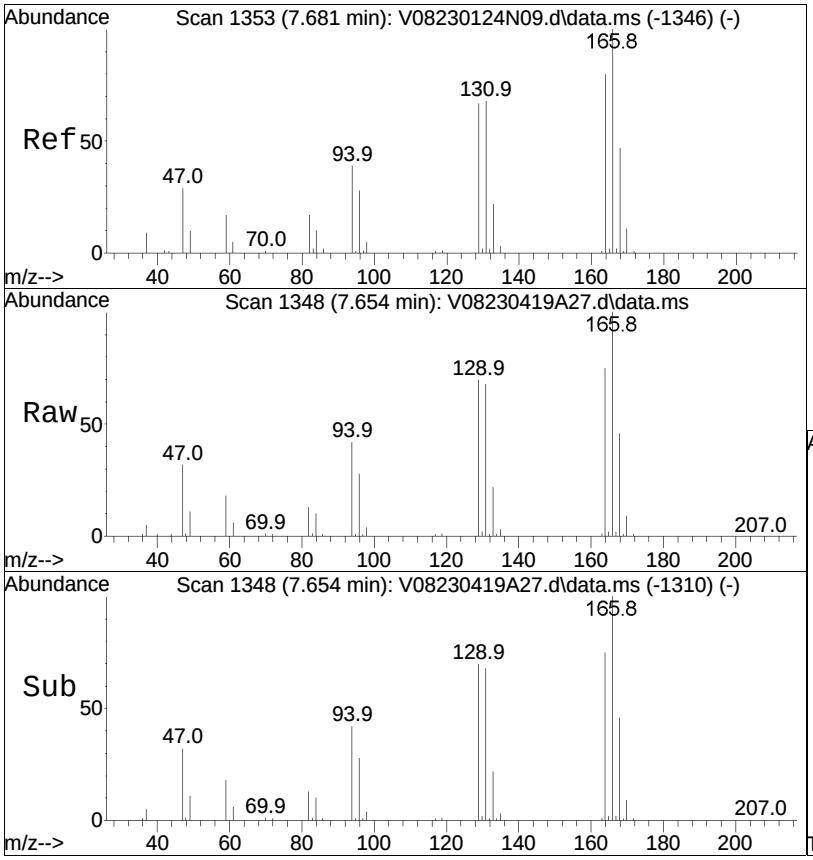



#62
4-Methyl-2-pentanone
Concen: 9.58 ug/L
RT: 7.702 min Scan# 1357
Delta R.T. 0.006 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 58 Resp: 11049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 100 | 38.7 | 20.2 | 30.2# |
| 43 | 259.9 | 196.6 | 295.0 |

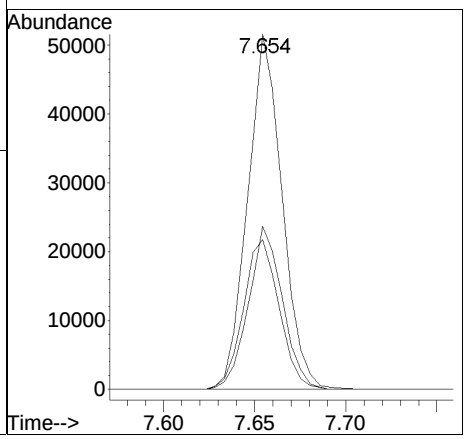


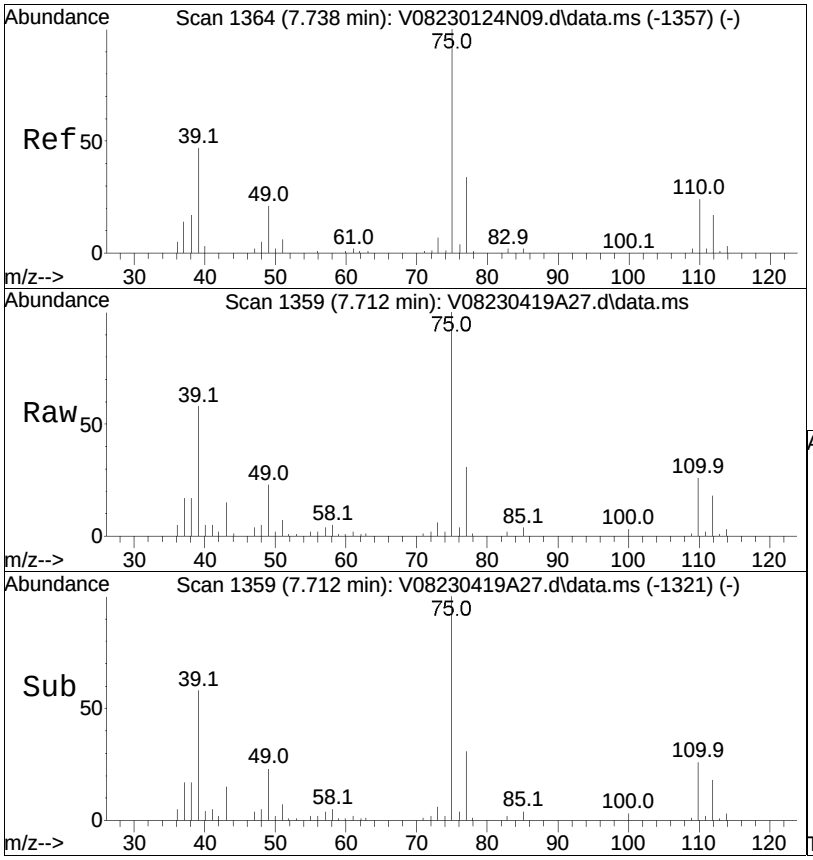



#63
Tetrachloroethene
Concen: 9.29 ug/L
RT: 7.654 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:166 Resp: 67902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 45.2 | 28.2 | 68.2 |
| 94 | 43.7 | 38.4 | 78.4 |

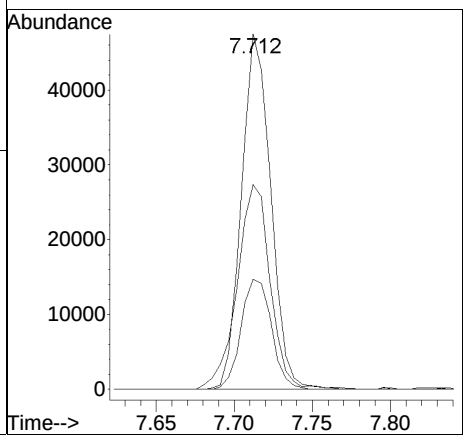


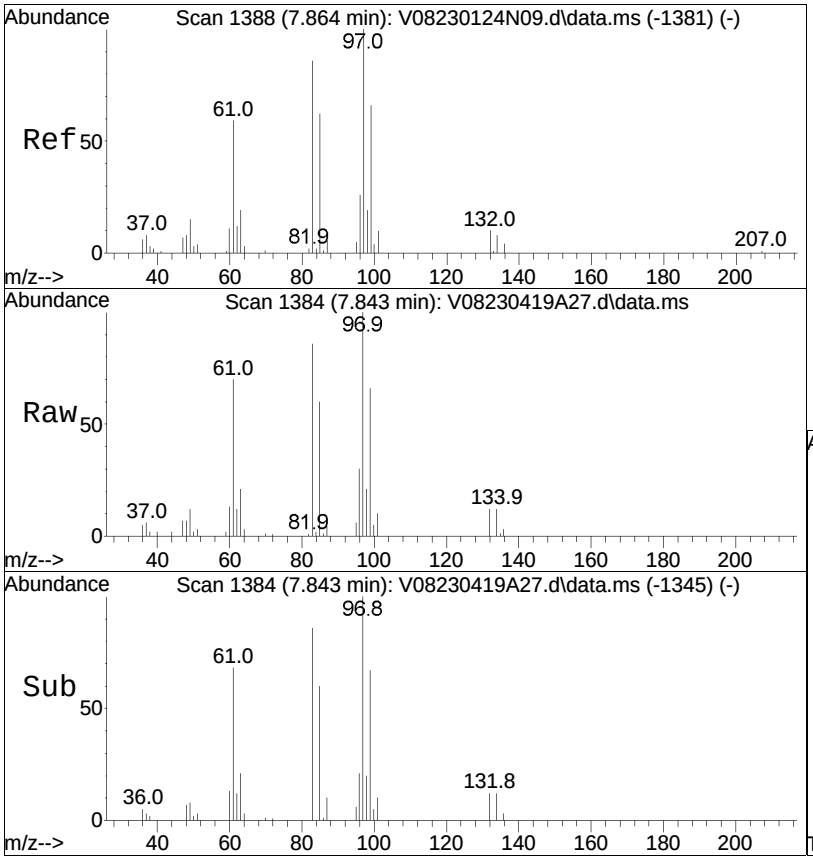



#65
trans-1,3-Dichloropropene
Concen: 8.63 ug/L
RT: 7.712 min Scan# 1359
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 75 Resp: 61994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 12.4 | 52.4 |
| 39 | 65.3 | 42.8 | 82.8 |

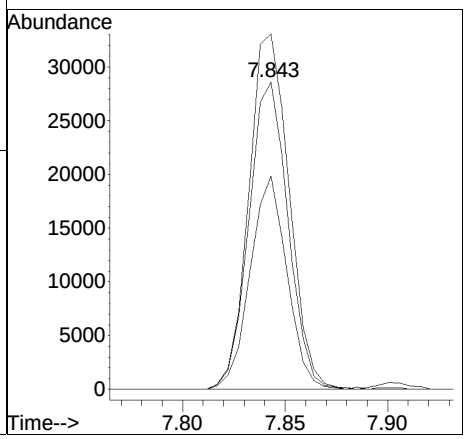


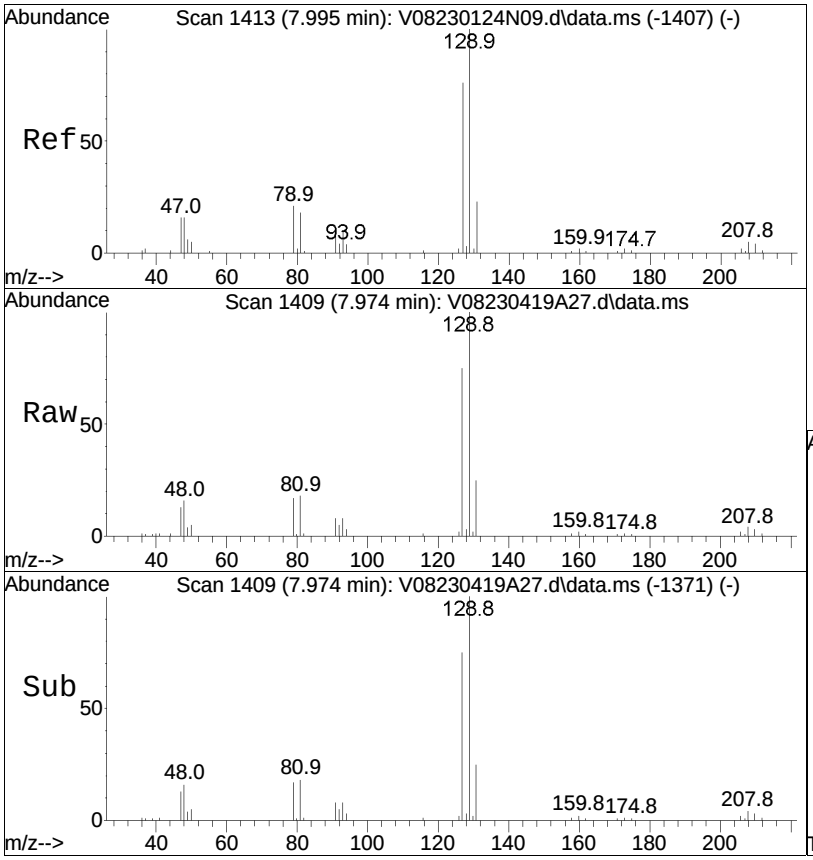



#68
1,1,2-Trichloroethane
Concen: 10.10 ug/L
RT: 7.843 min Scan# 1384
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 83 Resp: 38066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 118.9 | 89.8 | 129.8 |
| 85 | 65.3 | 44.4 | 84.4 |

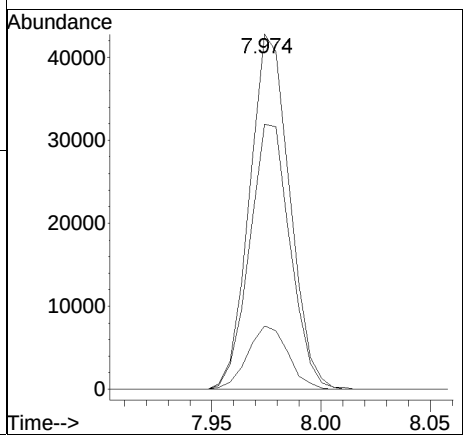


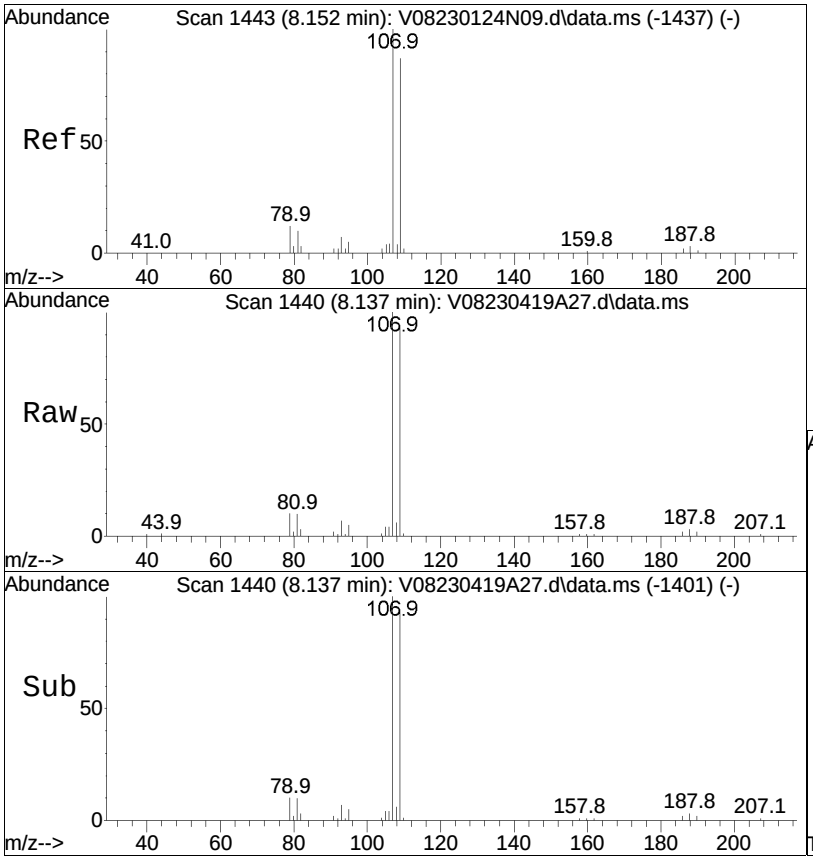



#69
Chlorodibromomethane
Concen: 8.65 ug/L
RT: 7.974 min Scan# 1409
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:129 Resp: 54703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 81 | 18.0 | 2.9 | 42.9 |
| 127 | 75.7 | 57.8 | 97.8 |

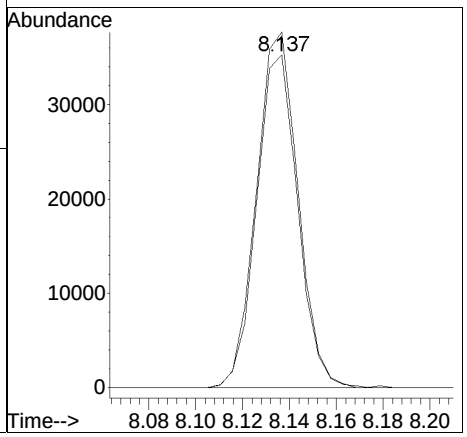


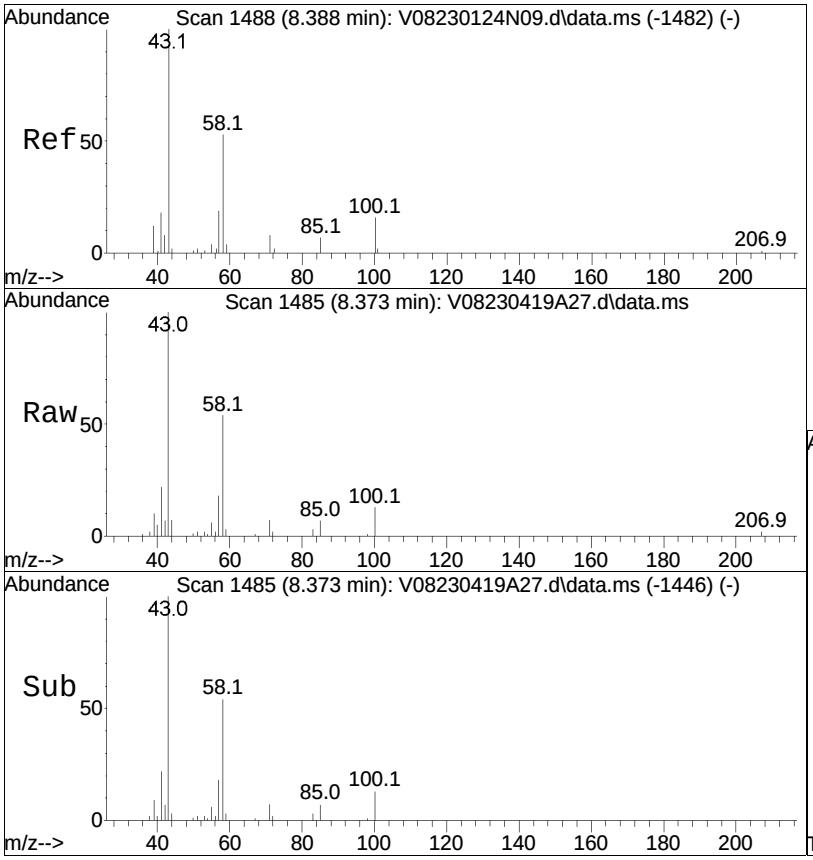



#71
1,2-Dibromoethane
Concen: 9.47 ug/L
RT: 8.137 min Scan# 1440
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:107 Resp: 46481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.8 | 74.3 | 111.5 |

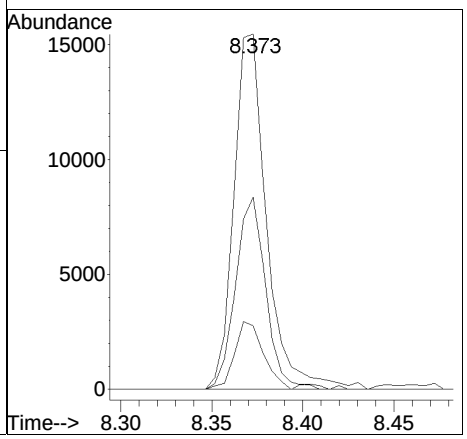


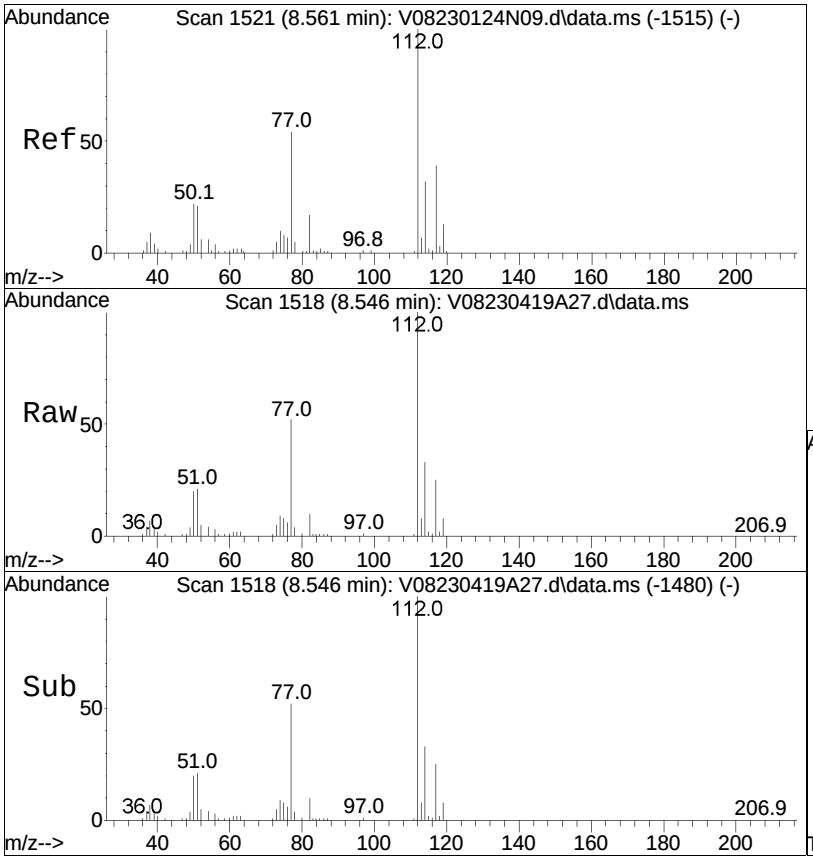



#72
2-Hexanone
Concen: 9.36 ug/L
RT: 8.373 min Scan# 1485
Delta R.T. 0.005 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 43 Resp: 19362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 49.9 | 41.2 | 61.8 |
| 57 | 16.8 | 17.2 | 25.8# |

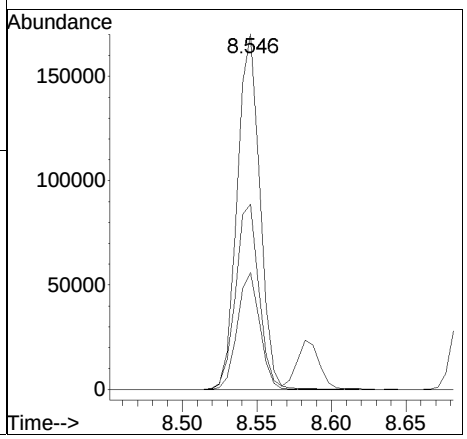


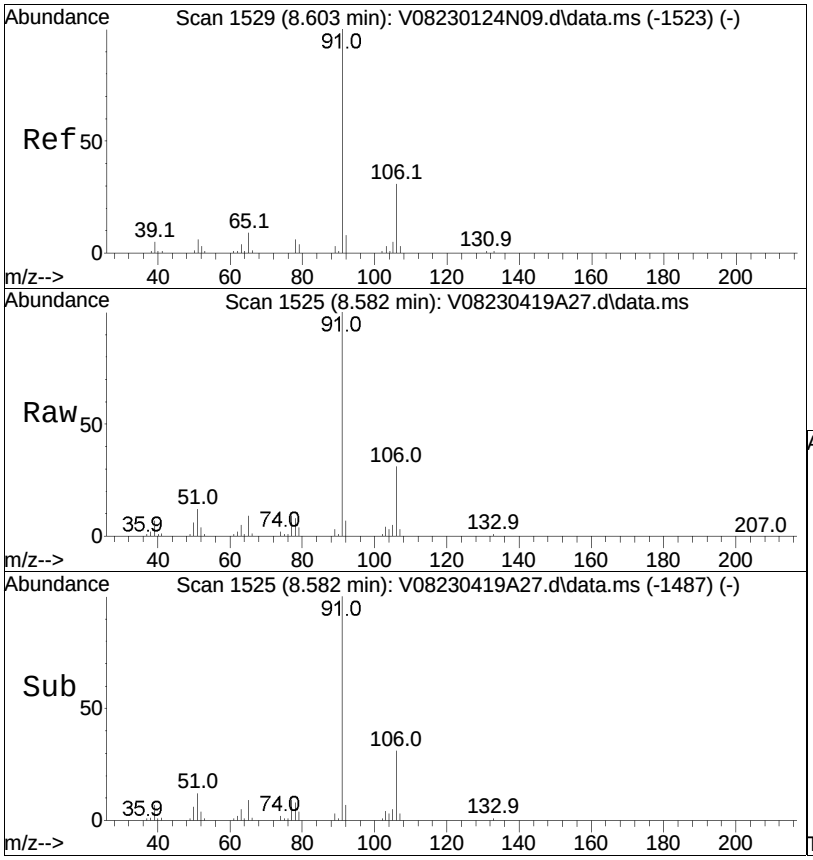



#73
Chlorobenzene
Concen: 9.62 ug/L
RT: 8.546 min Scan# 1518
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:112 Resp: 180260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 53.4 | 55.4 | 83.0# |
| 114 | 32.5 | 25.4 | 38.2 |

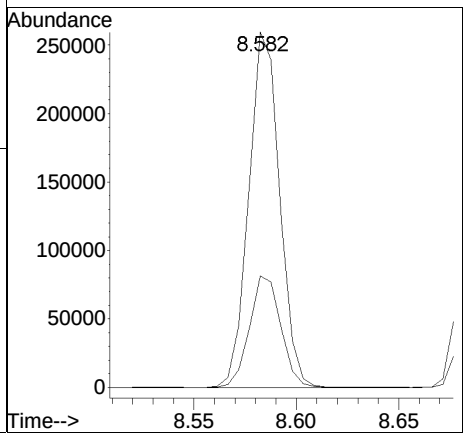


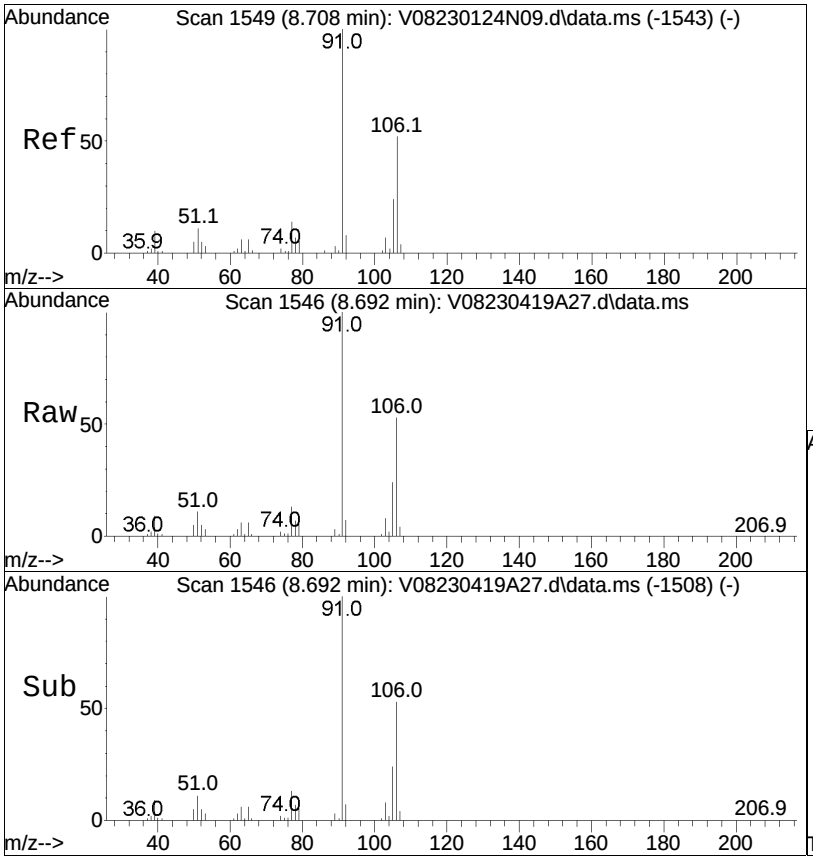



#74
Ethylbenzene
Concen: 9.73 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 91 Resp: 271767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.9 | 24.3 | 36.5 |

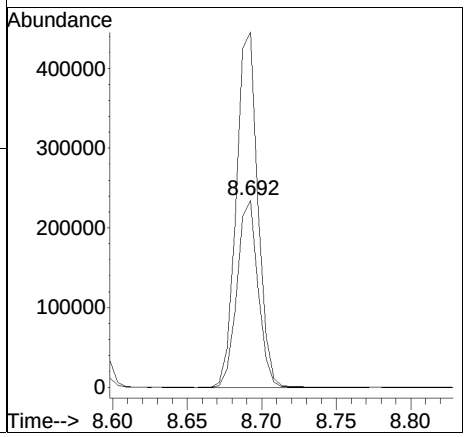


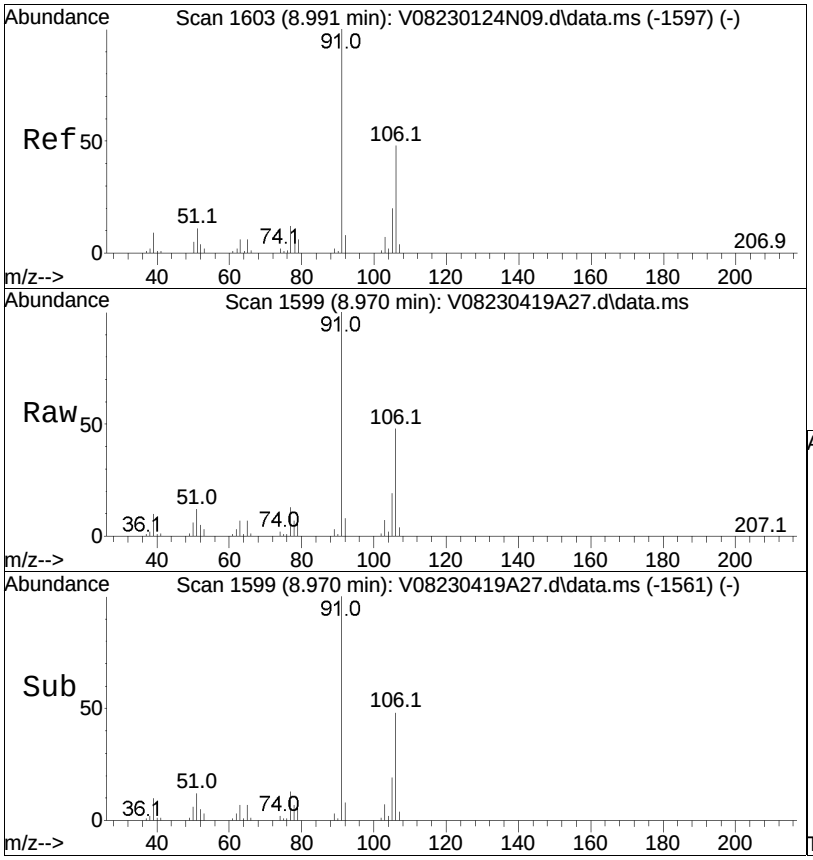



#76
p/m Xylene
Concen: 19.94 ug/L
RT: 8.692 min Scan# 1546
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:106 Resp: 231513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 194.3 | 166.4 | 249.6 |

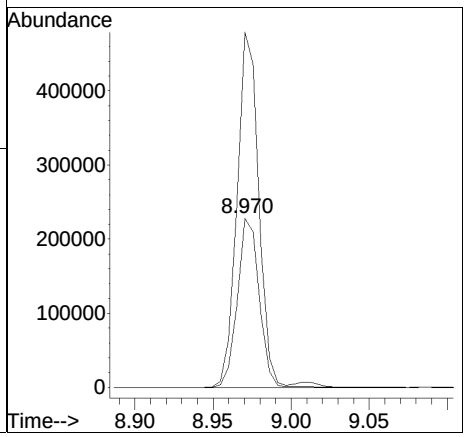


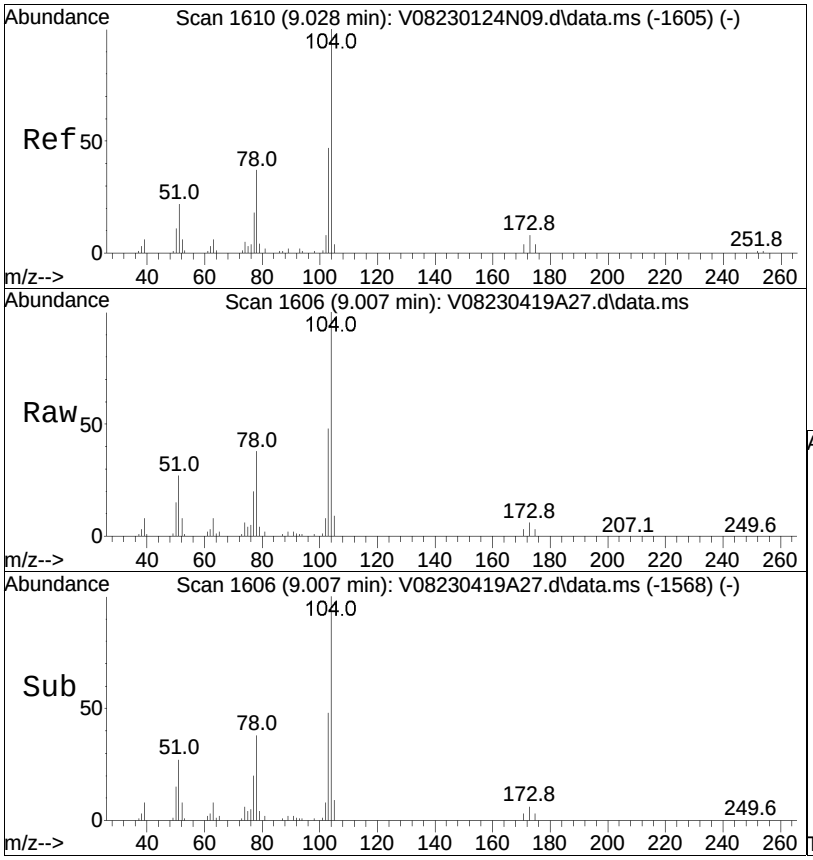



#77
o Xylene
Concen: 19.62 ug/L
RT: 8.970 min Scan# 1599
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:106 Resp: 221720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.5 | 182.6 | 273.8 |

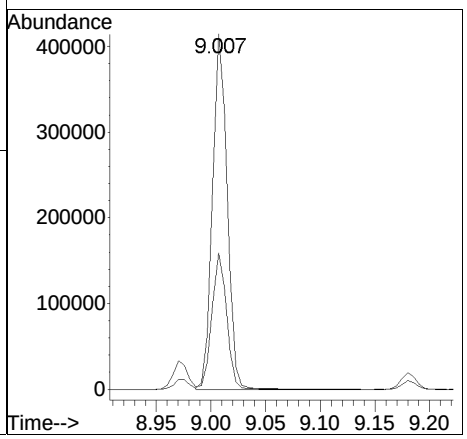


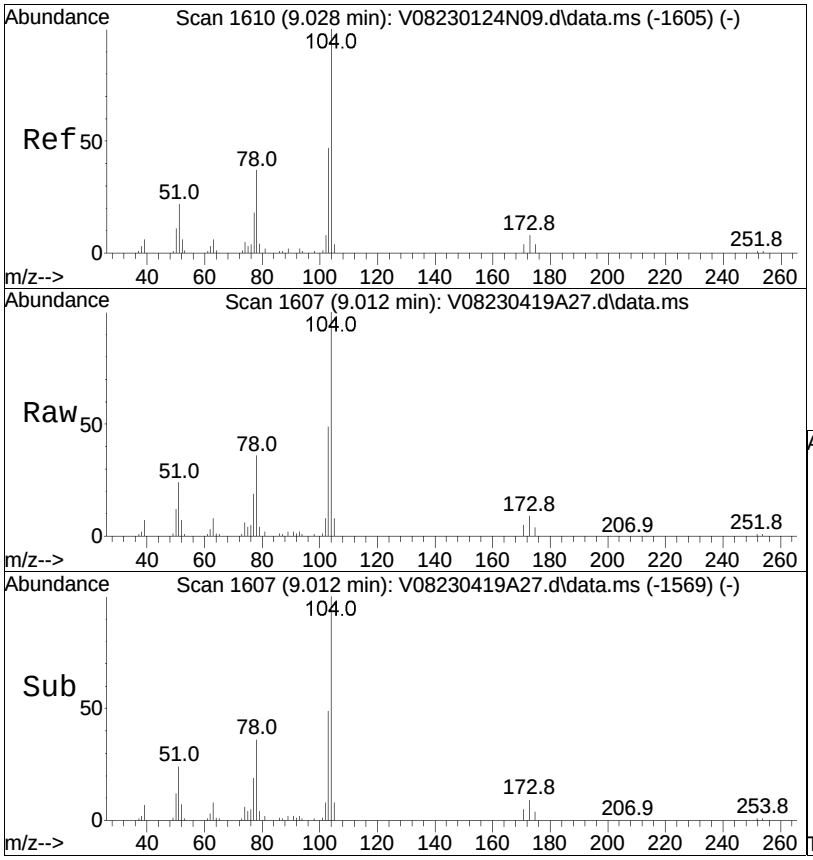



#78
Styrene
Concen: 20.85 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:104 Resp: 388491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 38.6 | 39.8 | 59.6# |

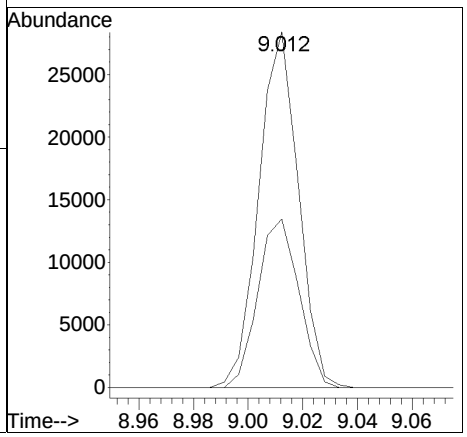


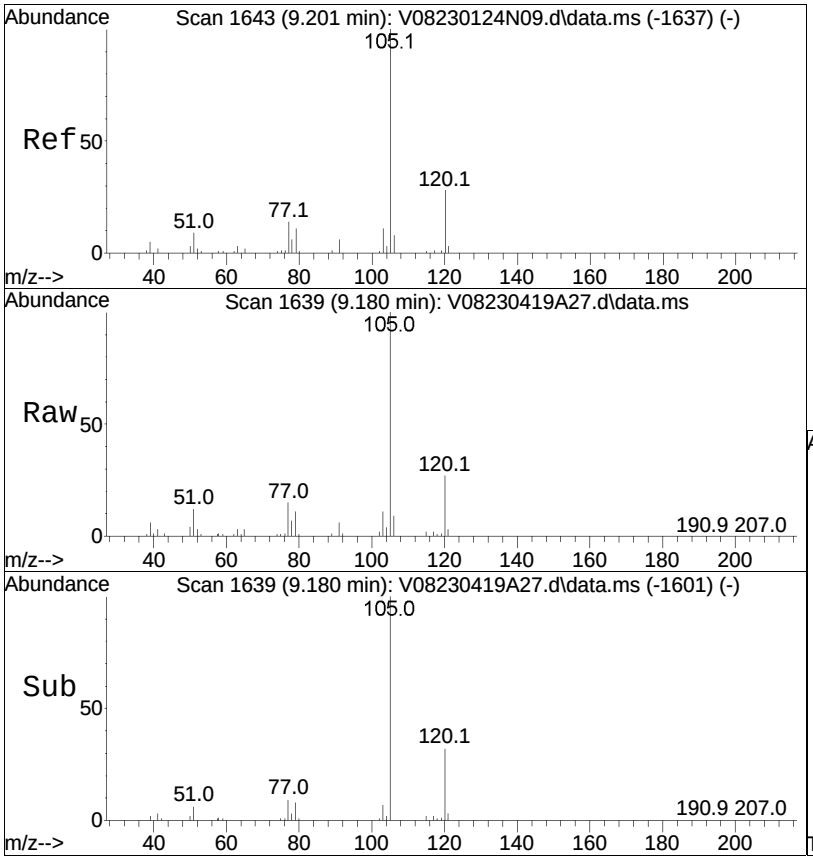



#80
Bromoform
Concen: 8.01 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:173 Resp: 28582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.2 | 31.5 | 71.5 |

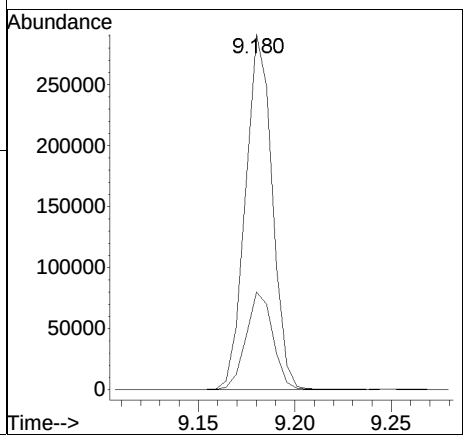


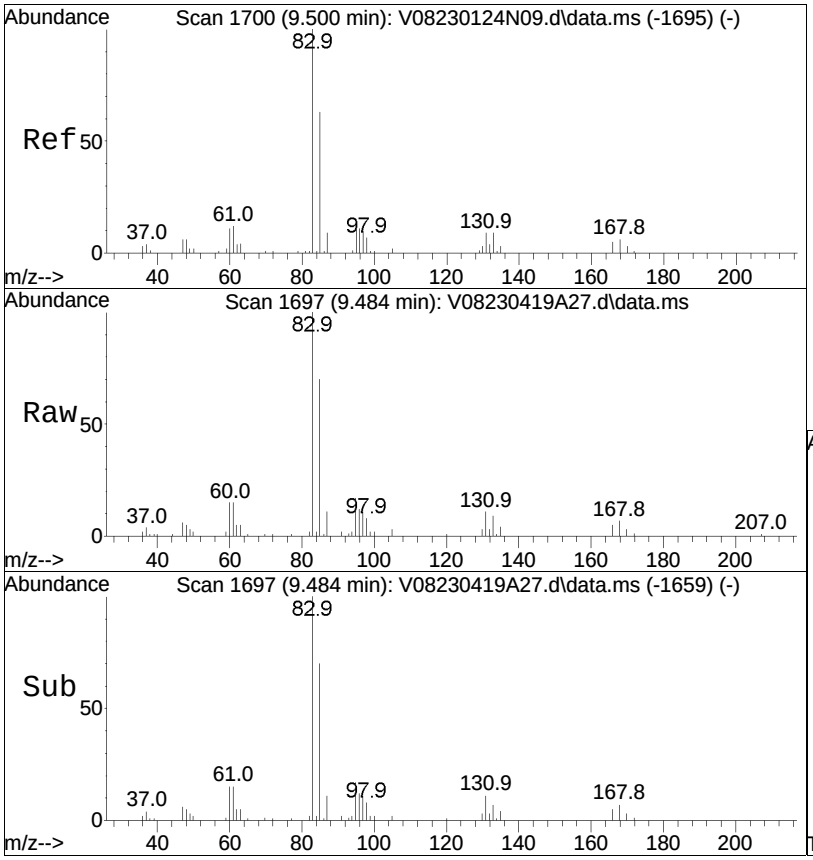



#82
Isopropylbenzene
Concen: 9.59 ug/L
RT: 9.180 min Scan# 1639
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:105 Resp: 281240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.3 | 4.8 | 44.8 |

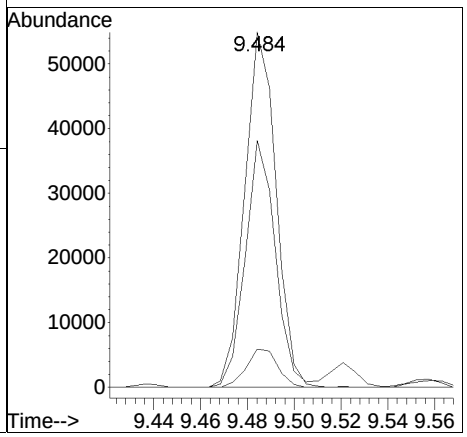


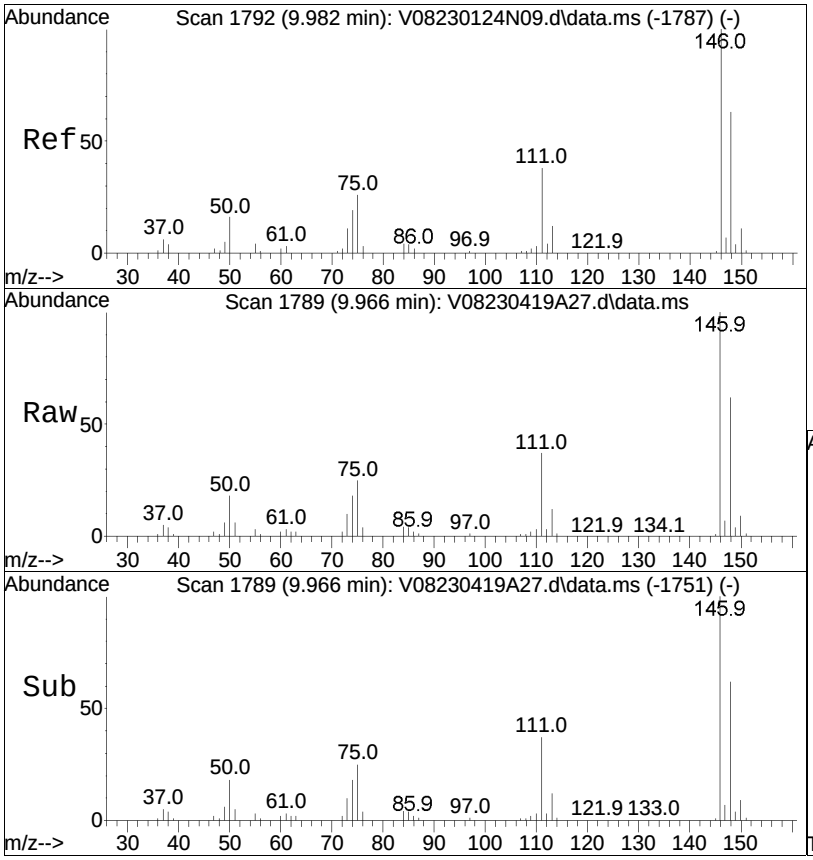



#87
1,1,2,2-Tetrachloroethane
Concen: 9.65 ug/L
RT: 9.484 min Scan# 1697
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion: 83 Resp: 51350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 0.0 | 30.4 |
| 85 | 66.3 | 45.4 | 85.4 |

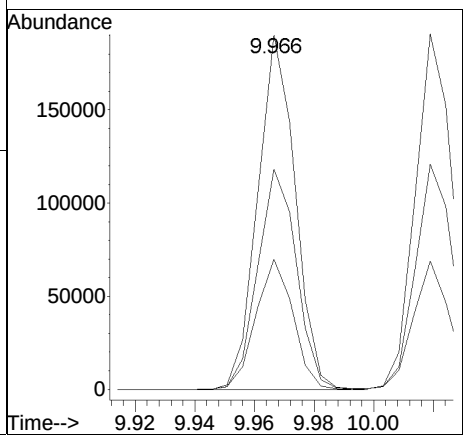


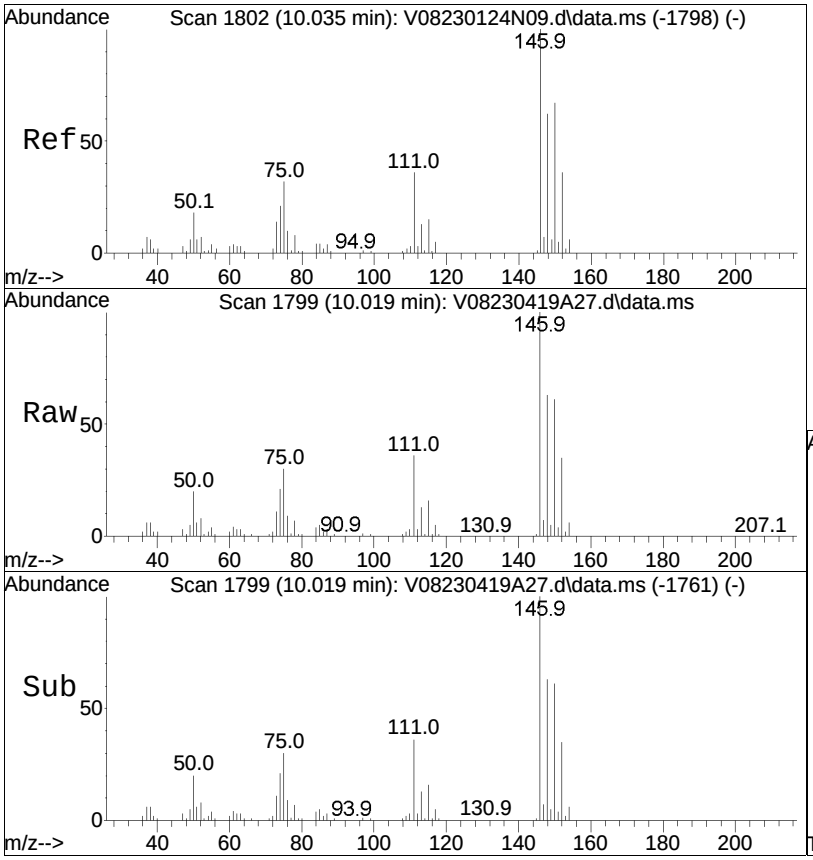



#100
1,3-Dichlorobenzene
Concen: 9.24 ug/L
RT: 9.966 min Scan# 1789
Delta R.T. -0.001 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:146 Resp: 166182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.5 | 27.5 | 57.1 |
| 148 | 64.1 | 41.9 | 86.9 |

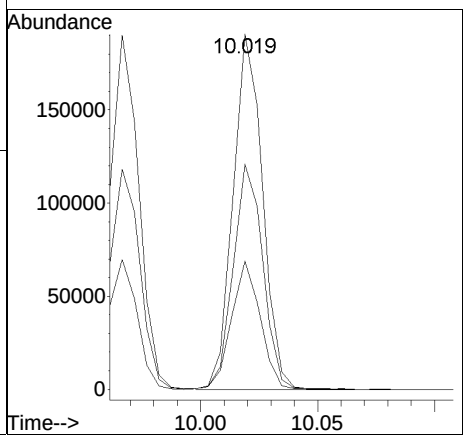


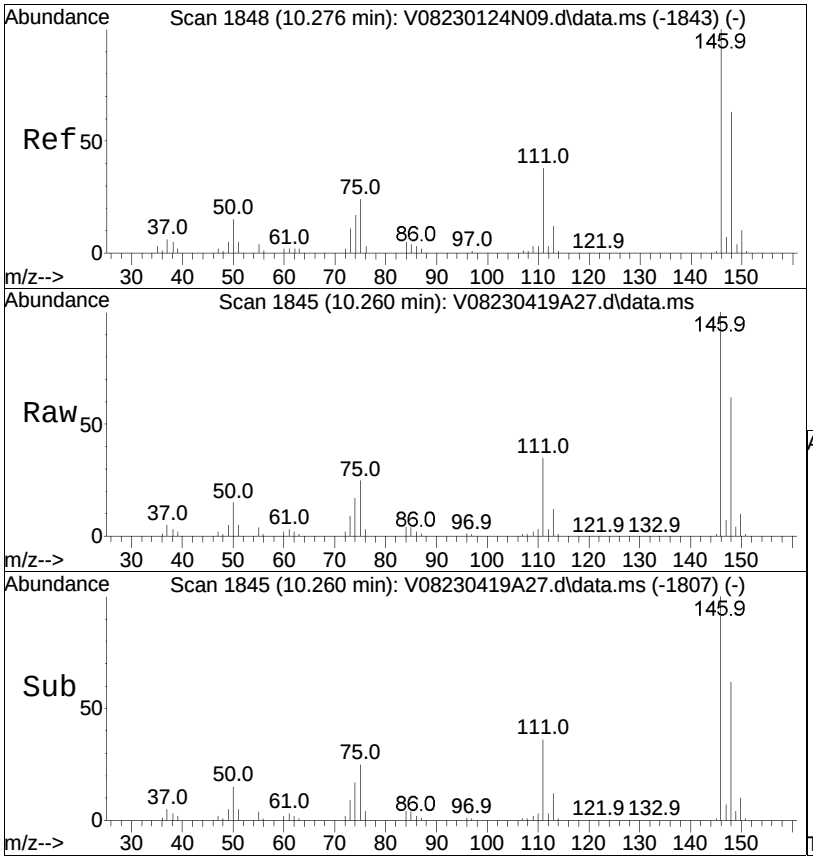



#101
1,4-Dichlorobenzene
Concen: 9.28 ug/L
RT: 10.019 min Scan# 1799
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:146 Resp: 167226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.3 | 32.3 | 48.5 |
| 148 | 63.7 | 49.9 | 74.9 |

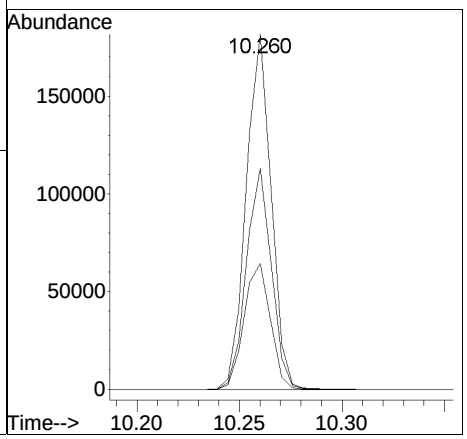


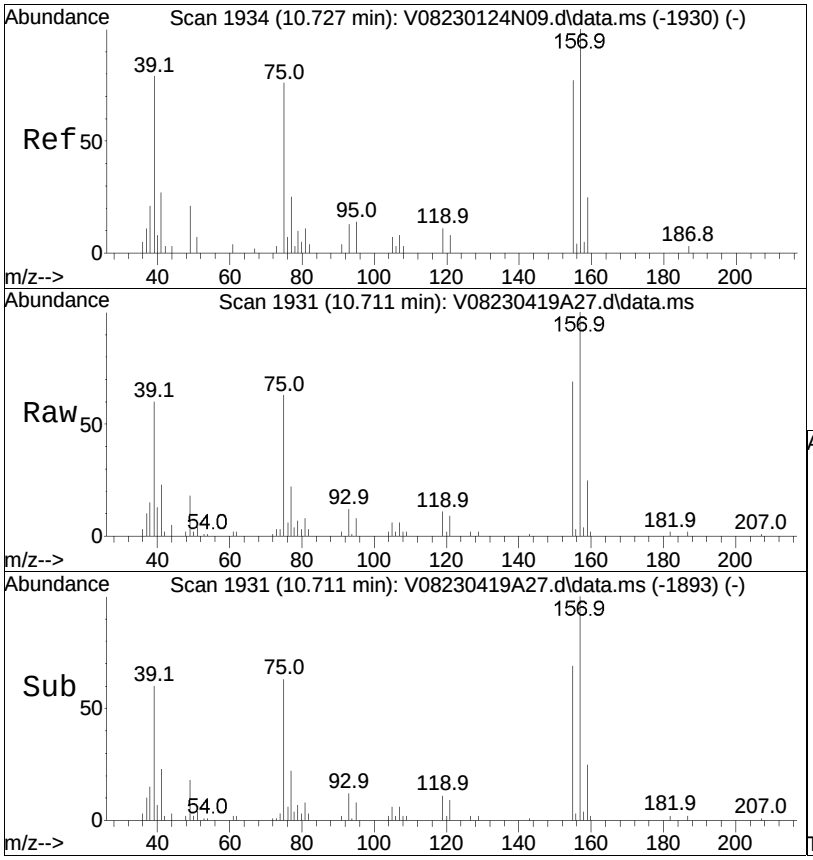



#104
1,2-Dichlorobenzene
Concen: 9.42 ug/L
RT: 10.260 min Scan# 1845
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:146 Resp: 154263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.3 | 28.3 | 58.7 |
| 148 | 62.5 | 42.3 | 87.8 |

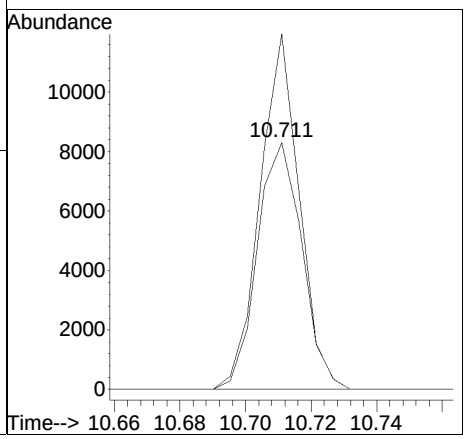


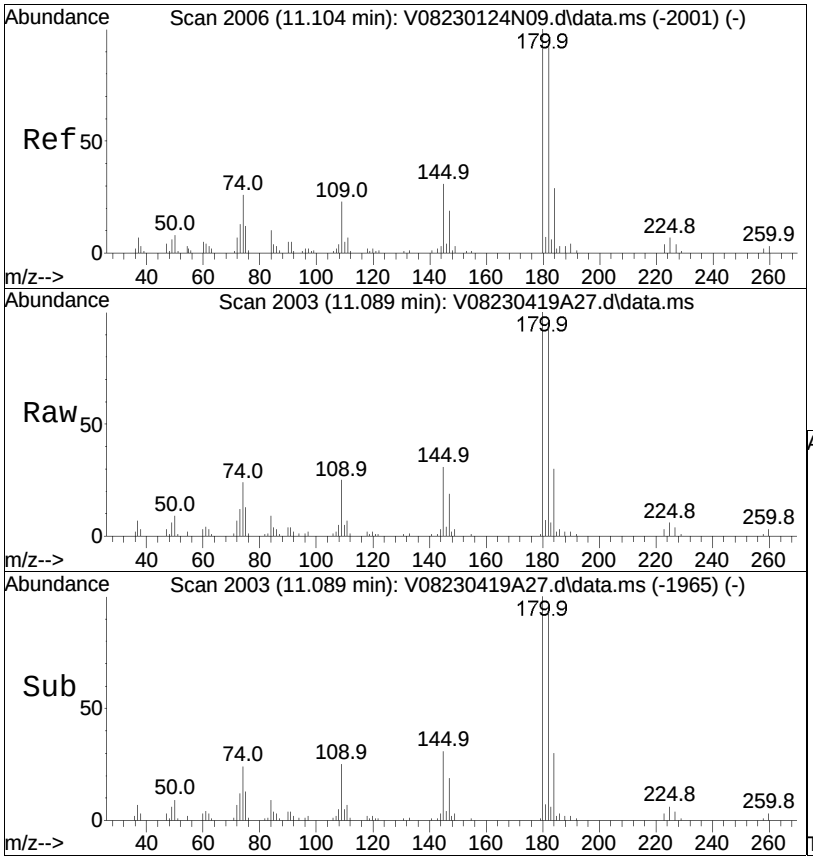



#106
1,2-Dibromo-3-chloropropane
Concen: 8.32 ug/L
RT: 10.711 min Scan# 1931
Delta R.T. 0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:155 Resp: 7859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 155 | 100 | | |
| 157 | 126.4 | 94.8 | 142.2 |

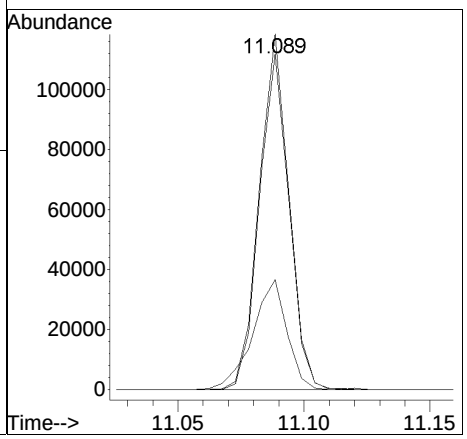


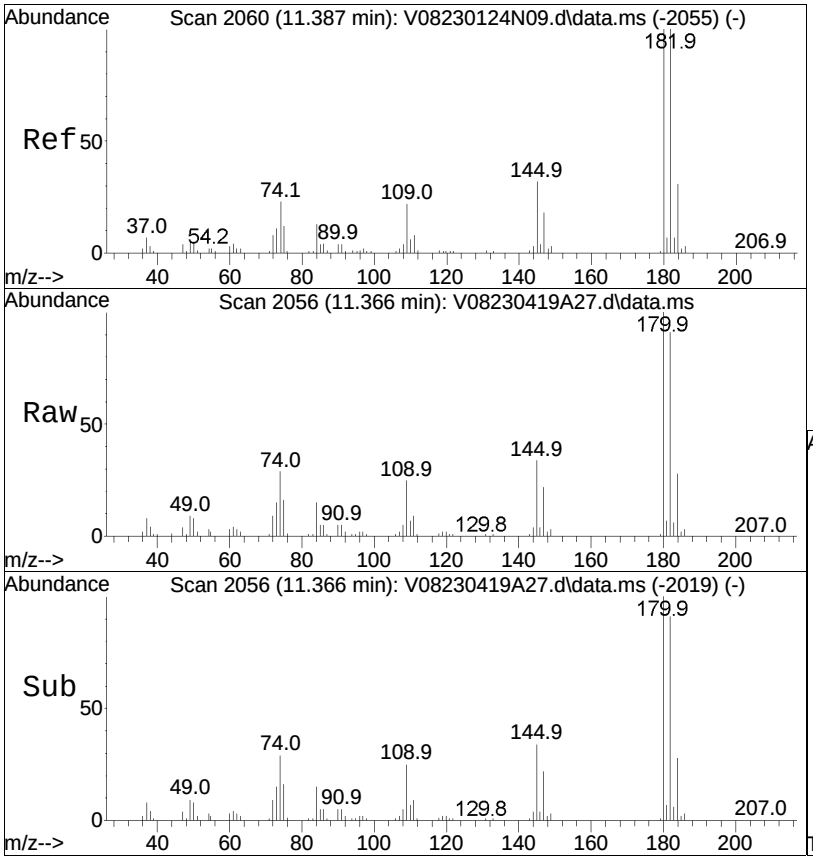



#109
1,2,4-Trichlorobenzene
Concen: 8.23 ug/L
RT: 11.089 min Scan# 2003
Delta R.T. -0.000 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:180 Resp: 96691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 77.3 | 115.9 |
| 145 | 35.7 | 28.1 | 42.1 |

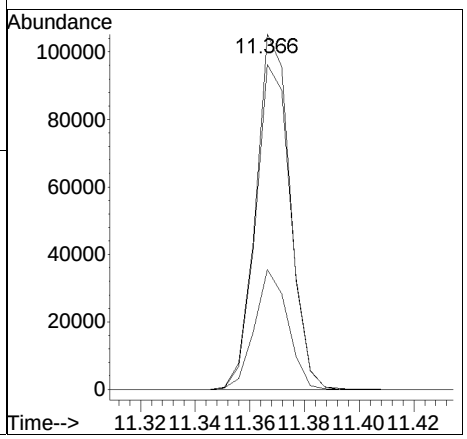





#111
1,2,3-Trichlorobenzene
Concen: 8.51 ug/L
RT: 11.366 min Scan# 2056
Delta R.T. -0.006 min
Lab File: V08230419A27.d
Acq: 19 Apr 2023 5:19 pm

Tgt Ion:180 Resp: 91659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 76.4 | 114.6 |
| 145 | 32.8 | 26.4 | 39.6 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A28.d
Acq On : 19 Apr 2023 5:40 pm
Operator : VOA108:MJV
Sample : WG1769022-7,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 20 09:40:42 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.568 | 96 | 254149 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247707 | | | Recovery = 102.60% | | | |
| 59) Chlorobenzene-d5 | 8.535 | 117 | 217272 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 214822 | | | Recovery = 101.14% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 10.014 | 152 | 126255 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 130288 | | | Recovery = 96.90% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.598 | 113 | 87115 | 9.417 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.17% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.227 | 65 | 82681 | 9.848 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.48% | | | |
| 60) Toluene-d8 | 7.251 | 98 | 253727 | 10.025 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.25% | | | |
| 83) 4-Bromofluorobenzene | 9.343 | 95 | 93179 | 9.911 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.11% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.996 | 85 | 68075 | 12.673 | ug/L | 98 |
| 3) Chloromethane | 1.121 | 50 | 91634 | 12.849 | ug/L | 99 |
| 4) Vinyl chloride | 1.174 | 62 | 106041 | 16.661 | ug/L | 95 |
| 5) Bromomethane | 1.384 | 94 | 30530 | 7.082 | ug/L | 96 |
| 6) Chloroethane | 1.468 | 64 | 54236 | 10.901 | ug/L | 97 |
| 7) Trichlorofluoromethane | 1.572 | 101 | 104602 | 10.682 | ug/L | 97 |
| 10) 1,1-Dichloroethene | 1.939 | 96 | 63006 | 10.499 | ug/L # | 72 |
| 11) Carbon disulfide | 1.950 | 76 | 190283 | 10.397 | ug/L | 97 |
| 12) Freon-113 | 1.987 | 101 | 59789 | 9.705 | ug/L | 99 |
| 15) Methylene chloride | 2.437 | 84 | 67772 | 9.872 | ug/L | 83 |
| 17) Acetone | 2.485 | 43 | 13371 | 10.105 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.584 | 96 | 69251 | 10.092 | ug/L | 79 |
| 19) Methyl acetate | 2.626 | 43 | 29580 | 9.834 | ug/L # | 92 |
| 20) Methyl tert-butyl ether | 2.726 | 73 | 106046 | 9.336 | ug/L | 93 |
| 23) 1,1-Dichloroethane | 3.234 | 63 | 140119 | 11.351 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.937 | 96 | 704489 | 94.207 | ug/L # | 71 |
| 30) Bromochloromethane | 4.210 | 128 | 40968 | 10.203 | ug/L # | 56 |
| 31) Cyclohexane | 4.189 | 56 | 102521 | 10.963 | ug/L | 73 |
| 32) Chloroform | 4.362 | 83 | 135631 | 11.007 | ug/L | 99 |
| 34) Carbon tetrachloride | 4.487 | 117 | 94193 | 10.868 | ug/L | 98 |

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A28.d
Acq On : 19 Apr 2023 5:40 pm
Operator : VOA108:MJV
Sample : WG1769022-7,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 20 09:40:42 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA108\2023\230419A\V08230419A01.d
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 37) 1,1,1-Trichloroethane | 4.582 | 97 | 110102 | 11.147 | ug/L | # | 96 |
| 39) 2-Butanone | 4.786 | 43 | 16201 | 10.009 | ug/L | # | 76 |
| 41) Benzene | 5.054 | 78 | 251540 | 11.207 | ug/L | | 93 |
| 44) 1,2-Dichloroethane | 5.305 | 62 | 91550 | 10.613 | ug/L | | 98 |
| 47) Methyl cyclohexane | 5.730 | 83 | 80607 | 8.953 | ug/L | # | 77 |
| 48) Trichloroethene | 5.762 | 95 | 130513 | 20.023 | ug/L | | 89 |
| 51) 1,2-Dichloropropane | 6.312 | 63 | 69939 | 10.985 | ug/L | | 96 |
| 54) Bromodichloromethane | 6.417 | 83 | 89595 | 10.429 | ug/L | # | 96 |
| 57) 1,4-Dioxane | 6.642 | 88 | 17468 | 500.216 | ug/L | # | 81 |
| 58) cis-1,3-Dichloropropene | 7.072 | 75 | 77579 | 9.003 | ug/L | | 97 |
| 61) Toluene | 7.303 | 92 | 157202 | 10.760 | ug/L | | 97 |
| 62) 4-Methyl-2-pentanone | 7.696 | 58 | 11320 | 9.987 | ug/L | # | 80 |
| 63) Tetrachloroethene | 7.654 | 166 | 69932 | 9.728 | ug/L | | 89 |
| 65) trans-1,3-Dichloropropene | 7.712 | 75 | 64449 | 9.108 | ug/L | | 97 |
| 68) 1,1,2-Trichloroethane | 7.843 | 83 | 39640 | 10.692 | ug/L | | 94 |
| 69) Chlorodibromomethane | 7.974 | 129 | 57643 | 9.274 | ug/L | | 97 |
| 71) 1,2-Dibromoethane | 8.137 | 107 | 47300 | 9.805 | ug/L | | 98 |
| 72) 2-Hexanone | 8.367 | 43 | 21164 | 10.410 | ug/L | # | 93 |
| 73) Chlorobenzene | 8.546 | 112 | 187537 | 10.177 | ug/L | # | 88 |
| 74) Ethylbenzene | 8.582 | 91 | 285273 | 10.391 | ug/L | | 97 |
| 76) p/m Xylene | 8.692 | 106 | 238372 | 20.880 | ug/L | | 92 |
| 77) o Xylene | 8.970 | 106 | 231260 | 20.816 | ug/L | | 86 |
| 78) Styrene | 9.007 | 104 | 401524 | 21.916 | ug/L | # | 83 |
| 80) Bromoform | 9.012 | 173 | 29916 | 8.821 | ug/L | | 95 |
| 82) Isopropylbenzene | 9.180 | 105 | 292759 | 10.502 | ug/L | | 93 |
| 87) 1,1,2,2-Tetrachloroethane | 9.484 | 83 | 55476 | 10.965 | ug/L | | 98 |
| 100) 1,3-Dichlorobenzene | 9.966 | 146 | 170807 | 9.989 | ug/L | | 95 |
| 101) 1,4-Dichlorobenzene | 10.019 | 146 | 168413 | 9.829 | ug/L | | 96 |
| 104) 1,2-Dichlorobenzene | 10.260 | 146 | 160799 | 10.327 | ug/L | | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 10.711 | 155 | 8231 | 9.161 | ug/L | | 86 |
| 109) 1,2,4-Trichlorobenzene | 11.088 | 180 | 101944 | 9.132 | ug/L | | 98 |
| 111) 1,2,3-Trichlorobenzene | 11.366 | 180 | 97906 | 9.558 | ug/L | | 99 |

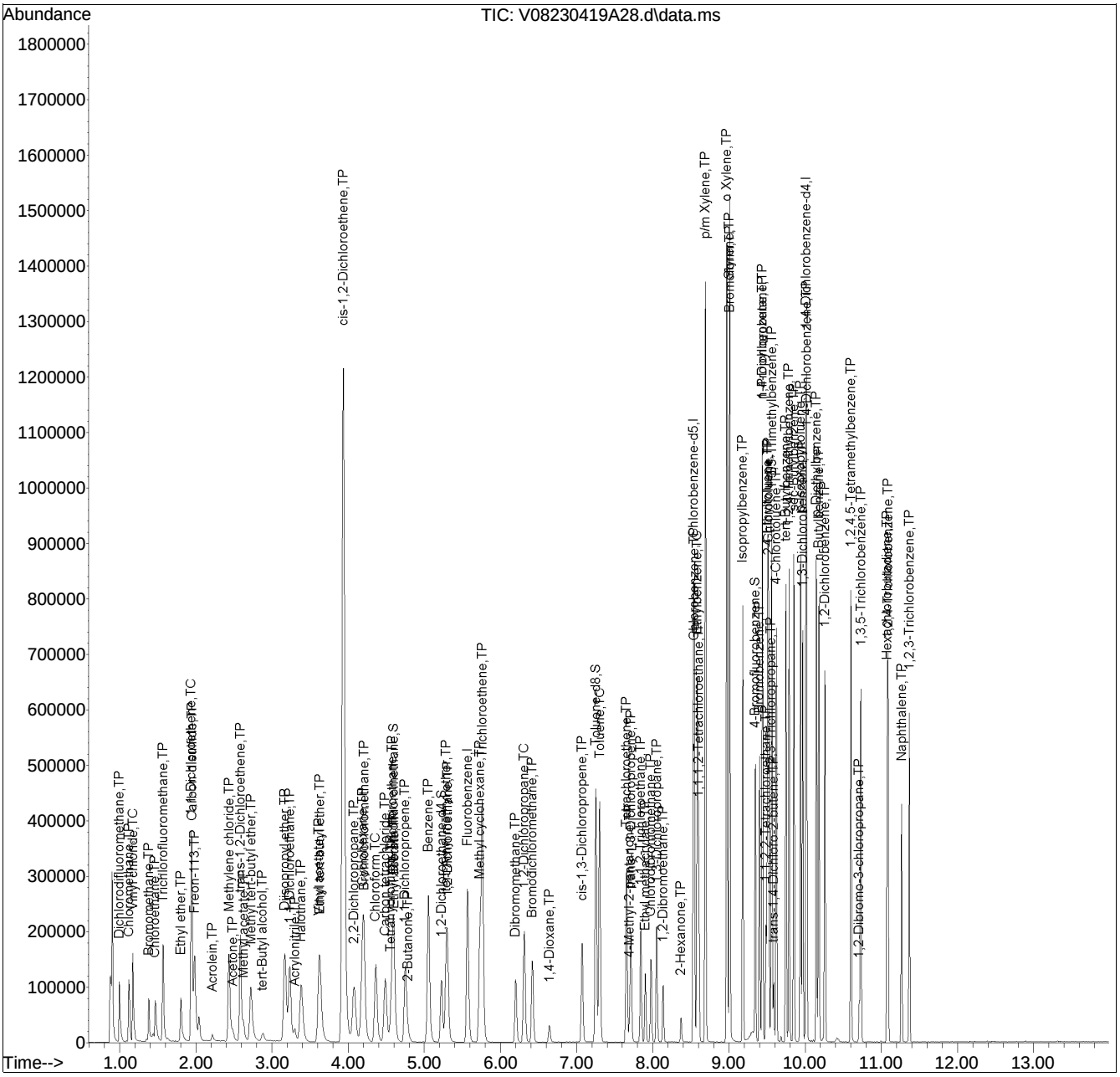
(#) = qualifier out of range (m) = manual integration (+) = signals summed

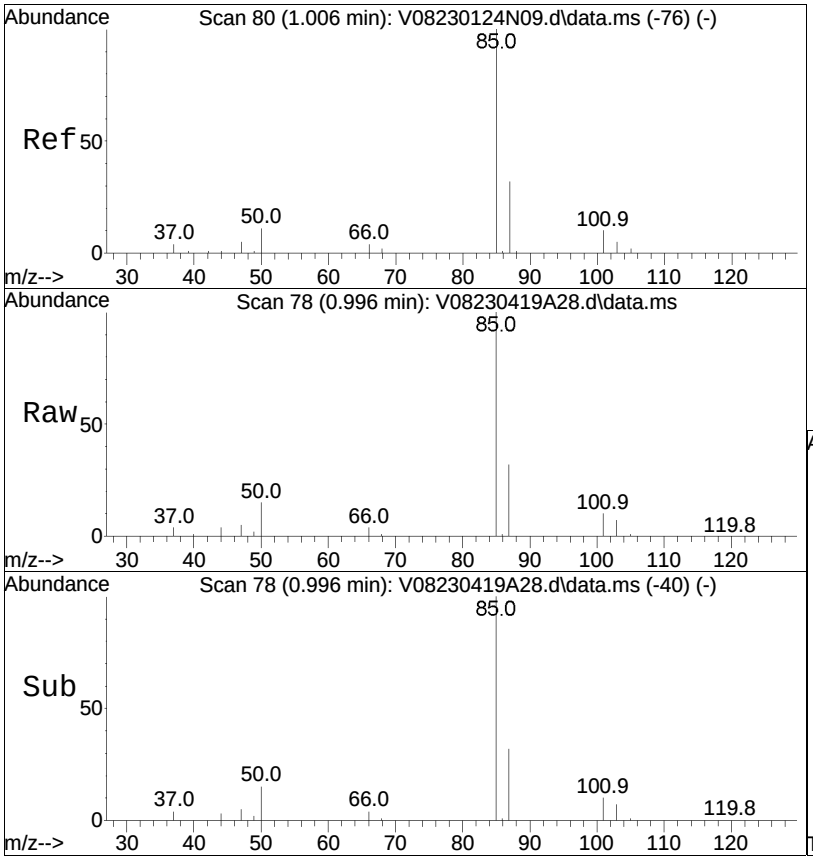
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA108\2023\230419A\
Data File : V08230419A28.d
Acq On : 19 Apr 2023 5:40 pm
Operator : VOA108:MJV
Sample : WG1769022-7,31,0.25,10,,A
Misc : WG1769022,ICAL19890
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 20 09:40:42 2023
Quant Method : I:\VOLATILES\VOA108\2023\230419A\V108_230405N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 06 12:25:06 2023
Response via : Initial Calibration

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

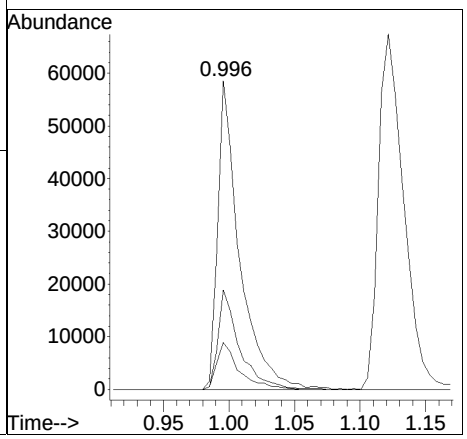


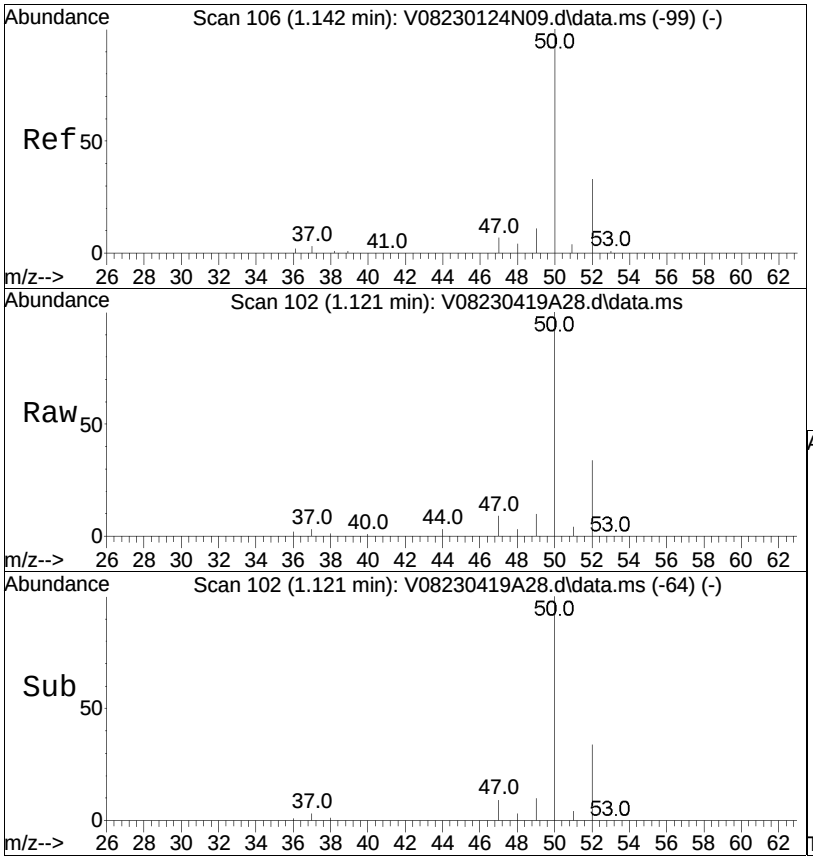



#2
Dichlorodifluoromethane
Concen: 12.67 ug/L
RT: 0.996 min Scan# 78
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 85 Resp: 68075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 21.0 | 43.6 |
| 50 | 15.5 | 8.9 | 18.5 |

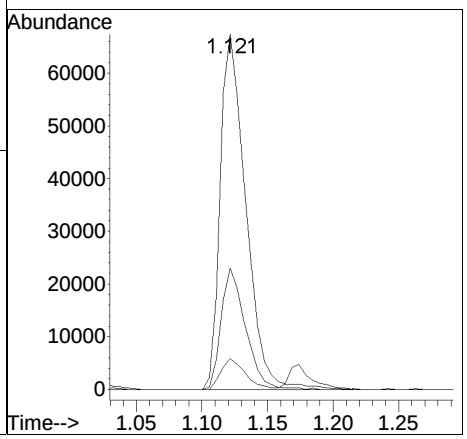


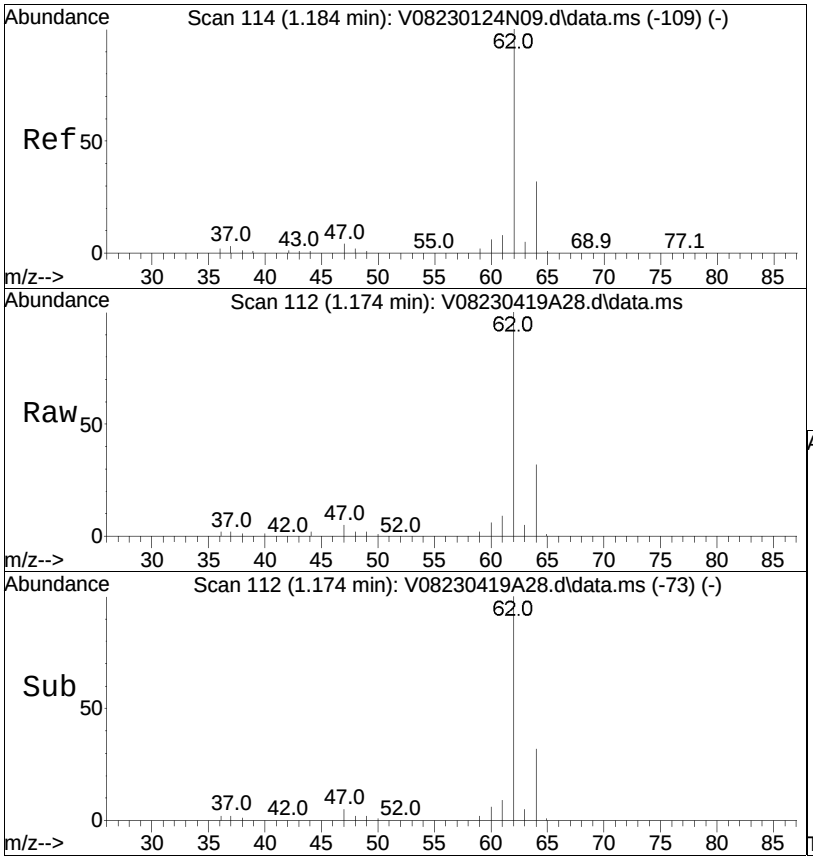



#3
Chloromethane
Concen: 12.85 ug/L
RT: 1.121 min Scan# 102
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 50 Resp: 91634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.4 | 12.9 | 52.9 |
| 47 | 8.2 | 0.0 | 28.3 |

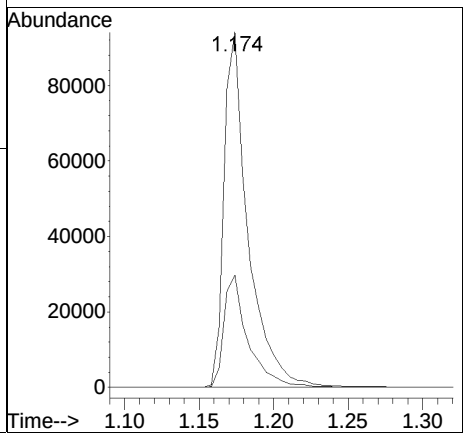


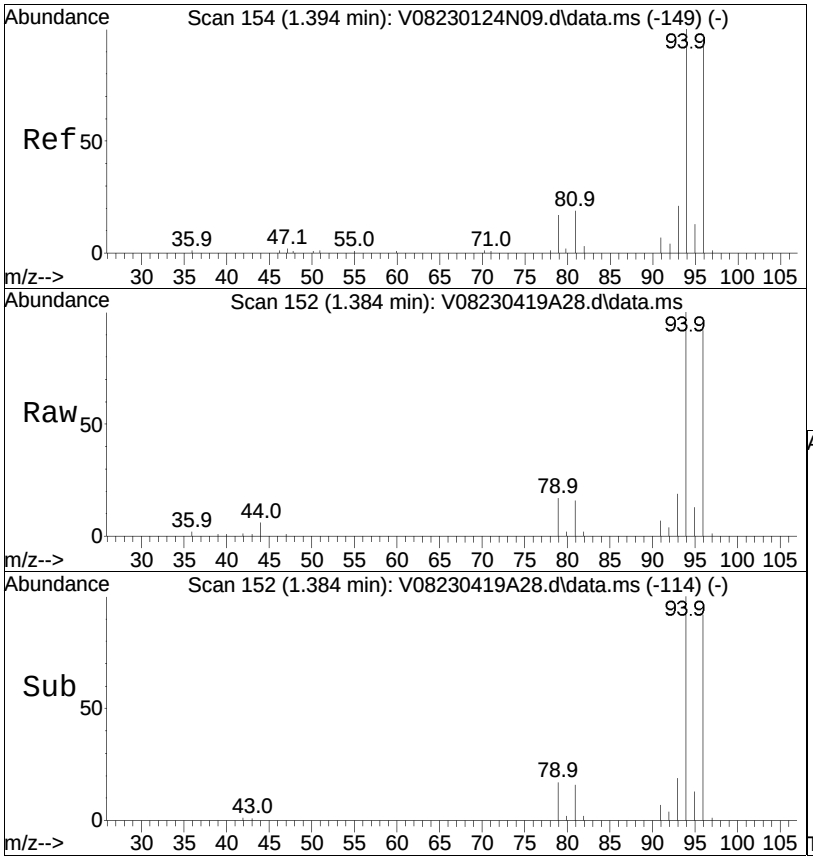



#4
Vinyl chloride
Concen: 16.66 ug/L
RT: 1.174 min Scan# 112
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 62 Resp: 106041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 9.1 | 49.1 |

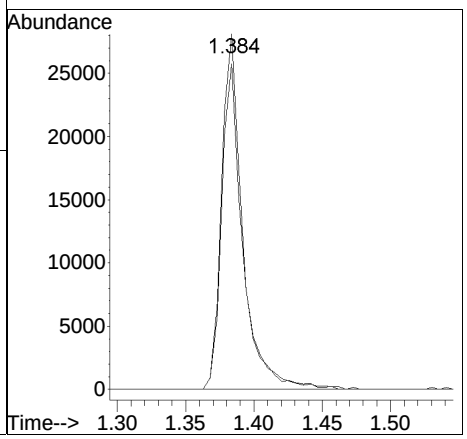


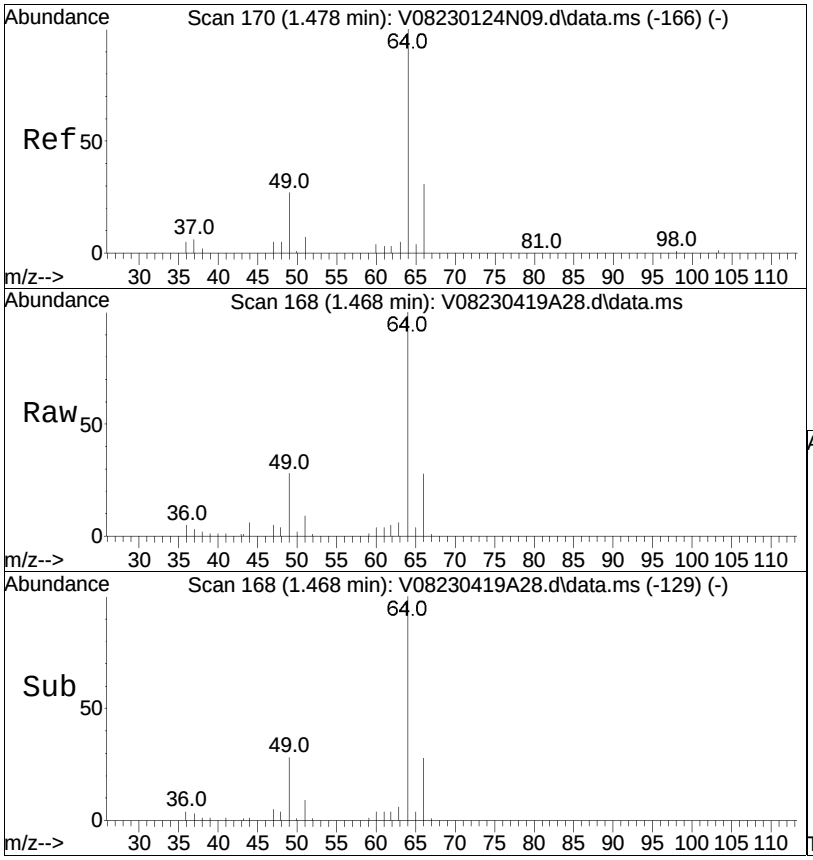



#5
Bromomethane
Concen: 7.08 ug/L
RT: 1.384 min Scan# 152
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 94 Resp: 30530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.4 | 75.6 | 115.6 |

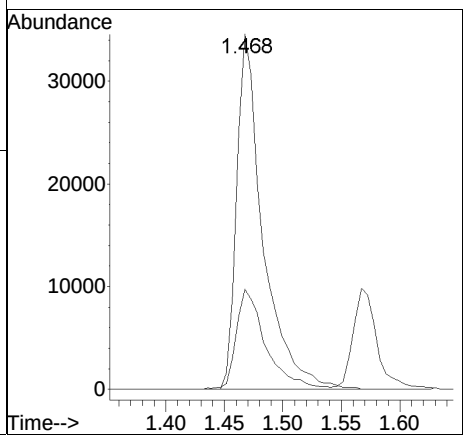


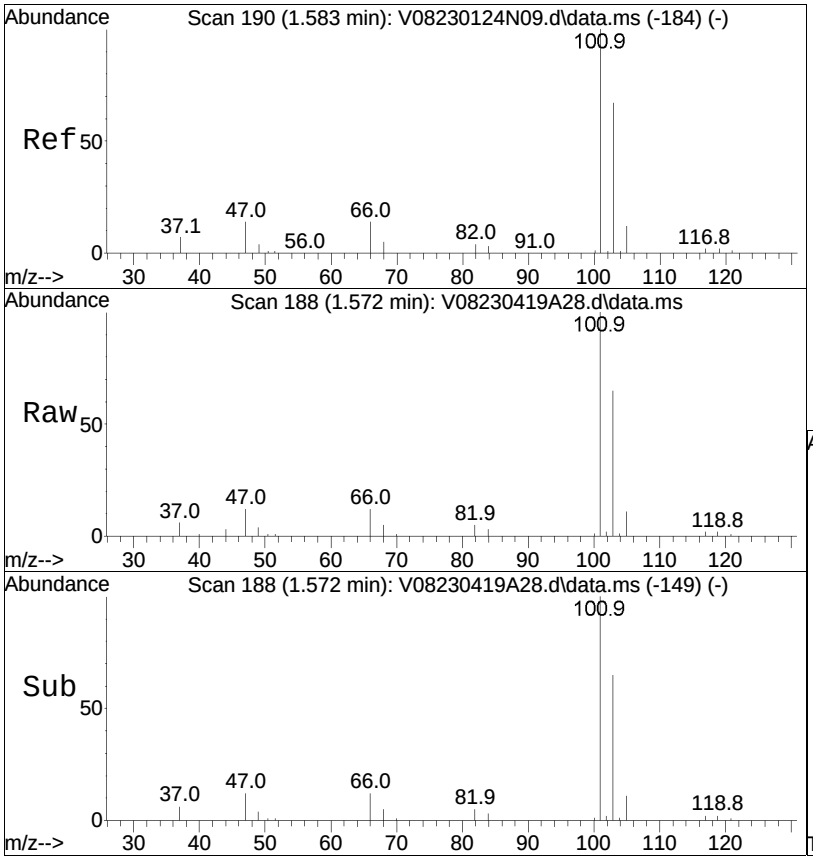



#6
Chloroethane
Concen: 10.90 ug/L
RT: 1.468 min Scan# 168
Delta R.T. 0.006 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 64 Resp: 54236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 9.8 | 49.8 |

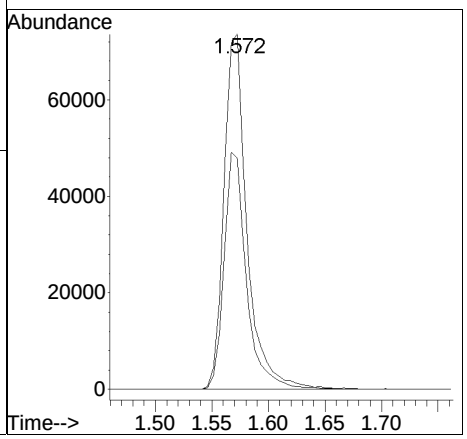


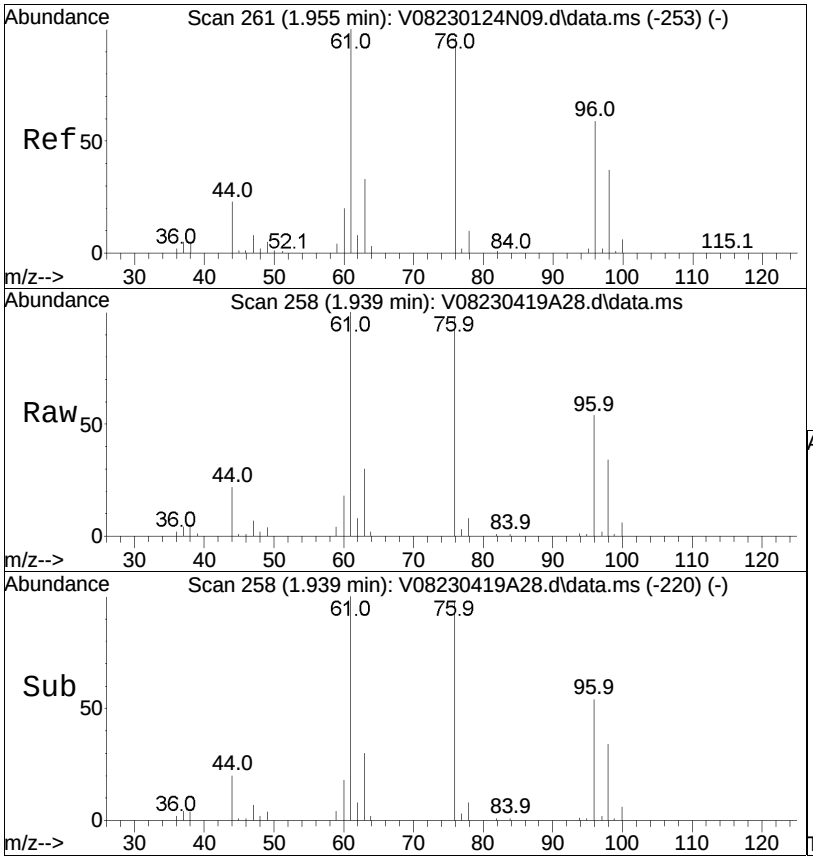



#7
Trichlorofluoromethane
Concen: 10.68 ug/L
RT: 1.572 min Scan# 188
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:101 Resp: 104602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.9 | 53.8 | 80.6 |

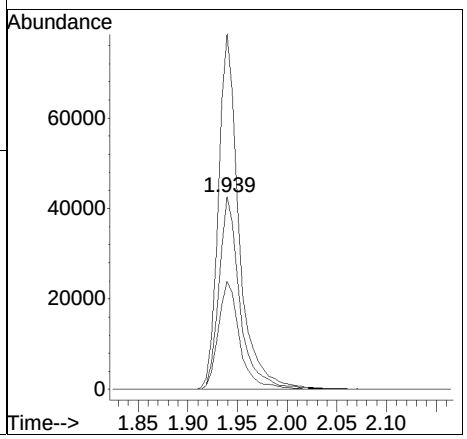


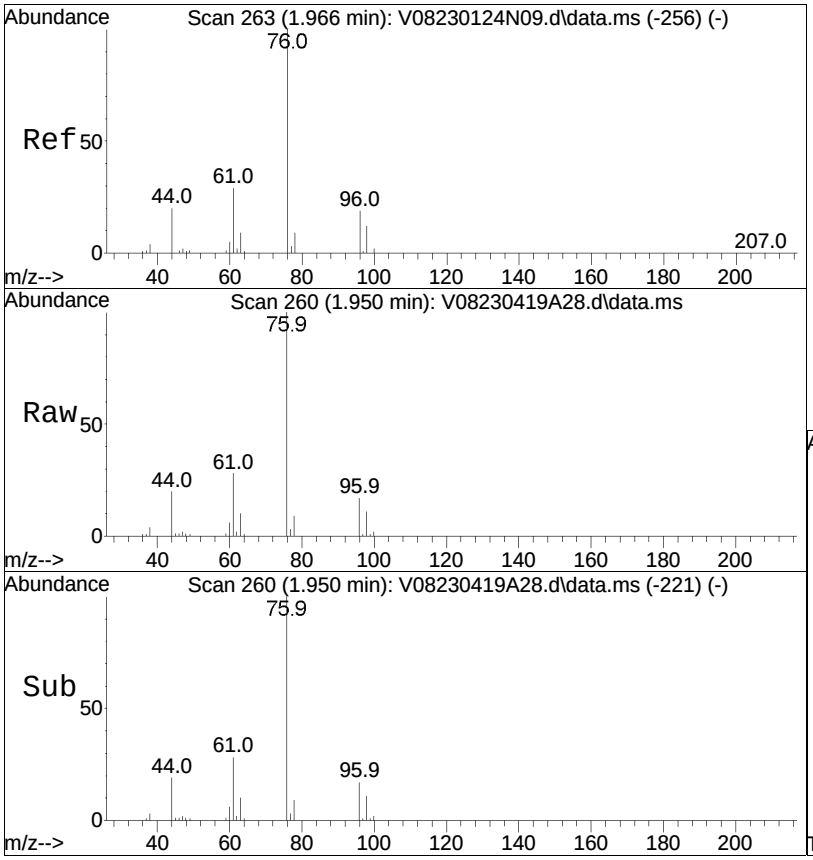



#10
1,1-Dichloroethene
Concen: 10.50 ug/L
RT: 1.939 min Scan# 258
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 96 Resp: 63006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 180.4 | 186.1 | 279.1# |
| 63 | 57.1 | 57.6 | 86.4# |

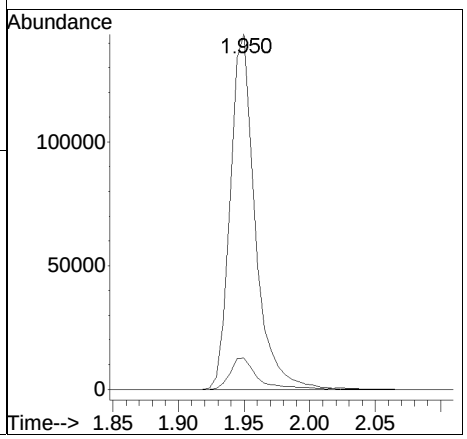


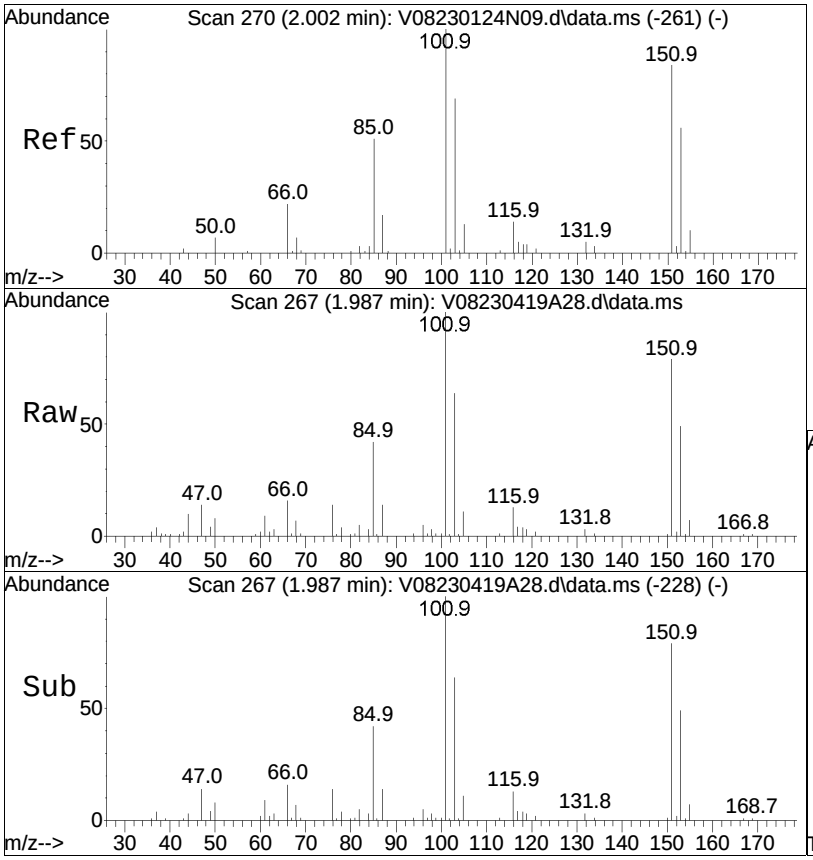



#11
Carbon disulfide
Concen:  10.40 ug/L
RT:  1.950 min  Scan# 260
Delta R.T.  0.005 min
Lab File:  V08230419A28.d
Acq: 19 Apr 2023  5:40 pm

Tgt Ion: 76 Resp:  190283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 5.7 | 11.7 |

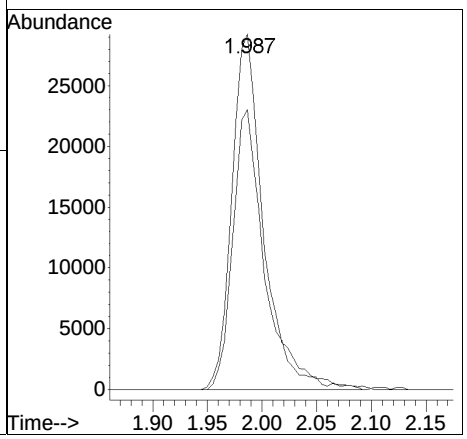


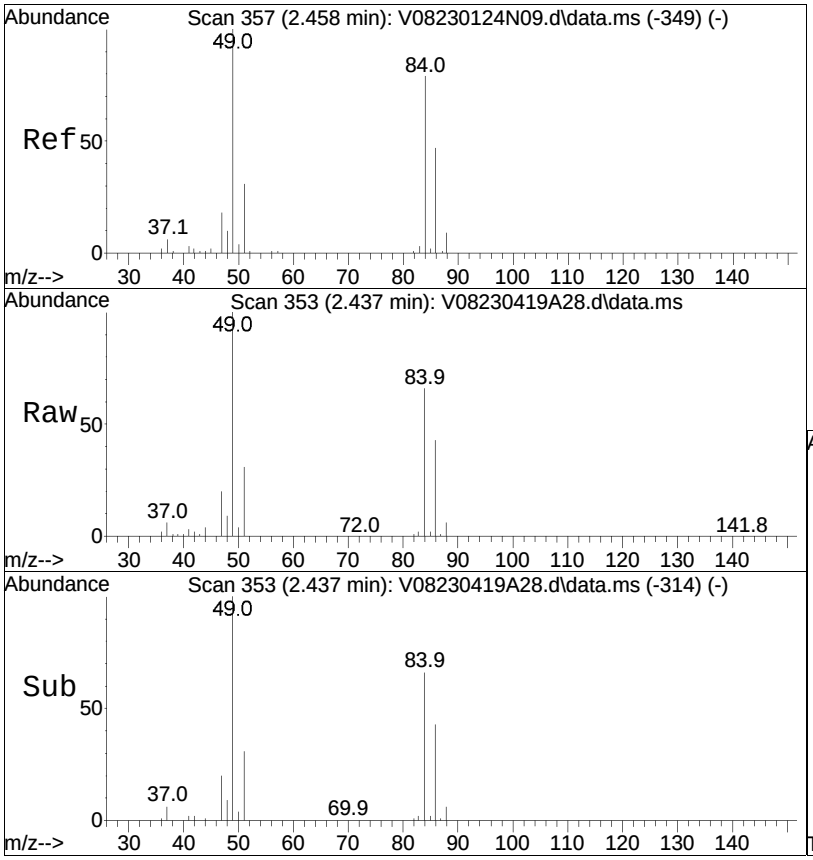



#12
Freon-113
Concen: 9.71 ug/L
RT: 1.987 min Scan# 267
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:101 Resp: 59789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 76.1 | 59.8 | 89.8 |

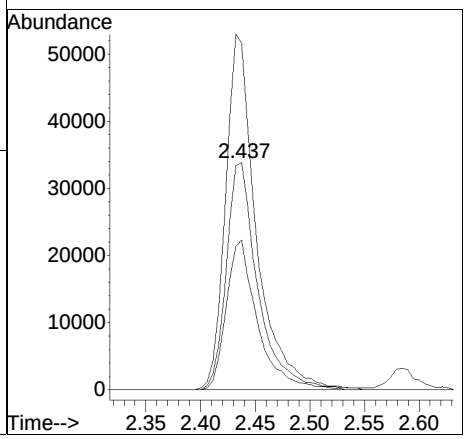


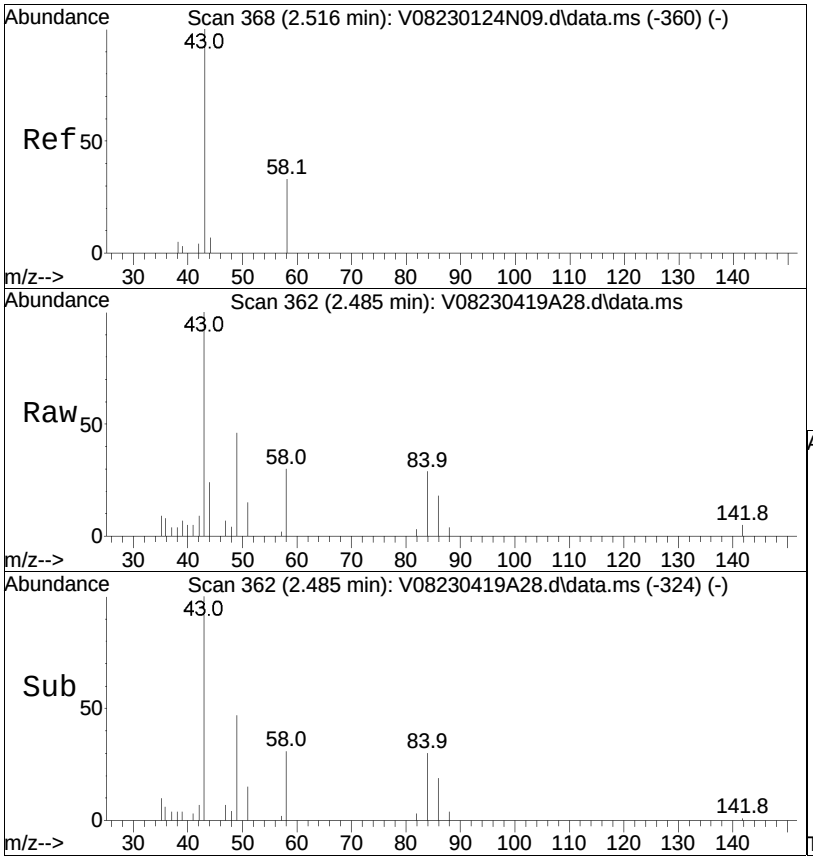



#15
Methylene chloride
Concen: 9.87 ug/L
RT: 2.437 min Scan# 353
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 84 Resp: 67772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.9 | 40.4 | 83.8 |
| 49 | 153.2 | 120.0 | 249.2 |

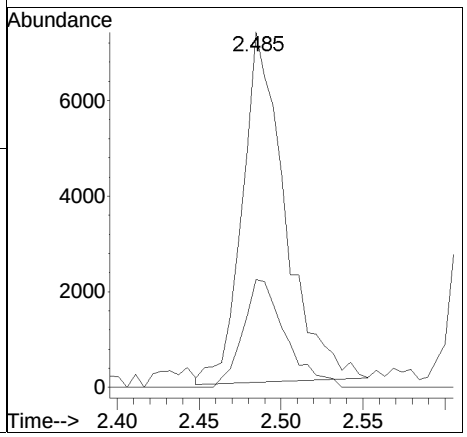


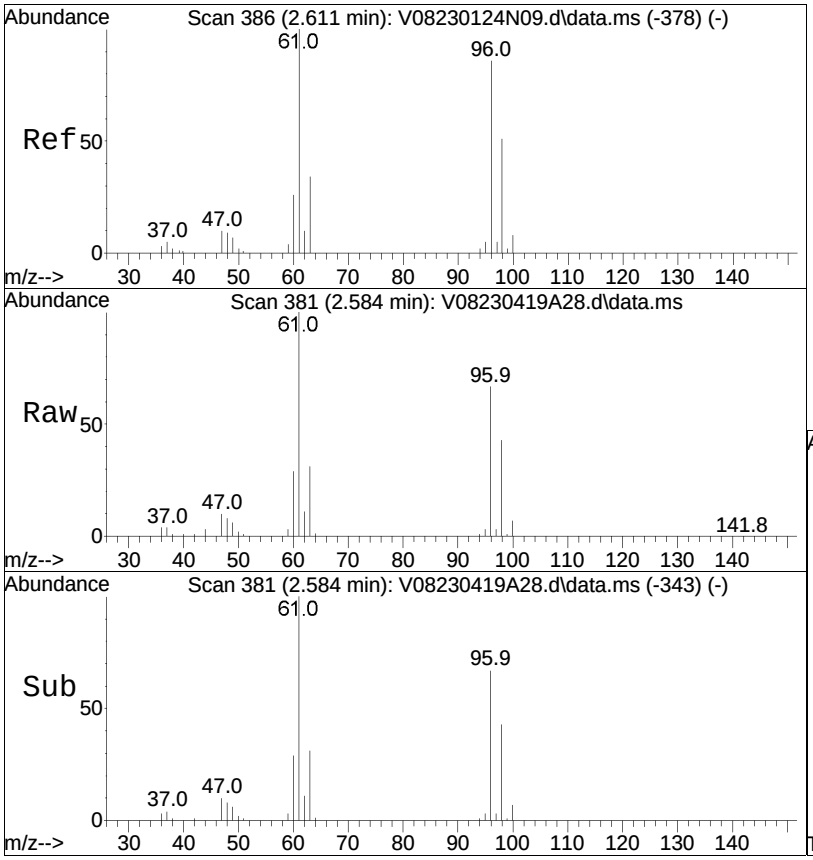



#17
Acetone
Concen: 10.11 ug/L
RT: 2.485 min Scan# 362
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 43 Resp: 13371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 24.2 | 36.4 |

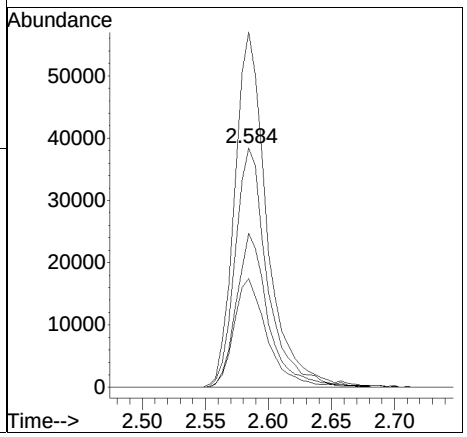


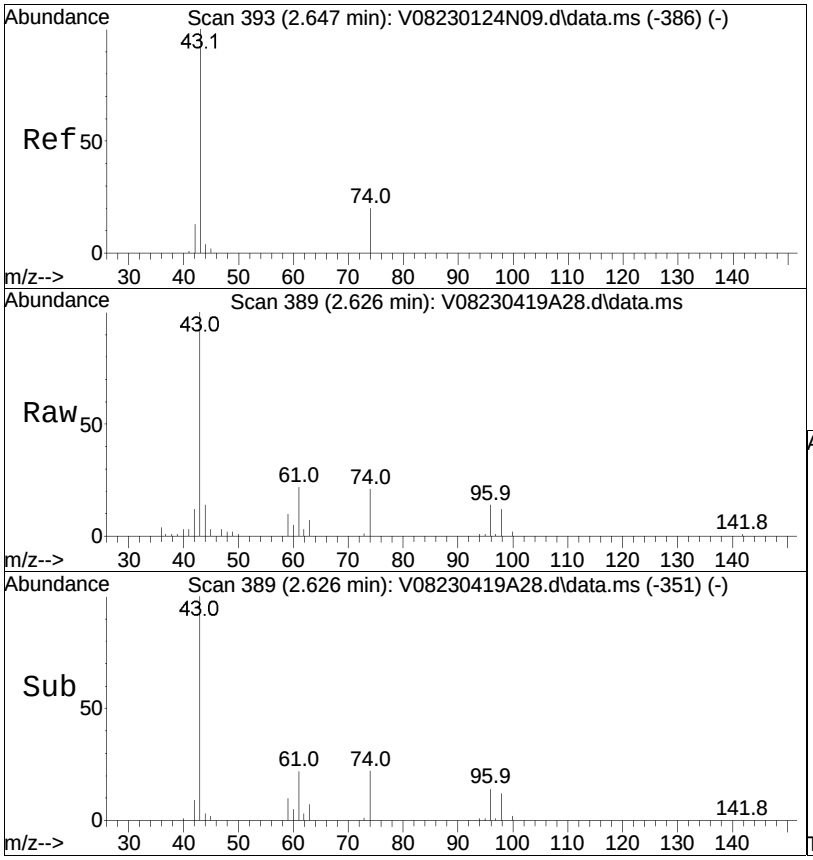



#18
trans-1,2-Dichloroethene
Concen: 10.09 ug/L
RT: 2.584 min Scan# 381
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 96 Resp: 69251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.4 | 124.0 | 257.6 |
| 98 | 63.1 | 41.2 | 85.6 |
| 63 | 46.7 | 38.4 | 79.7 |

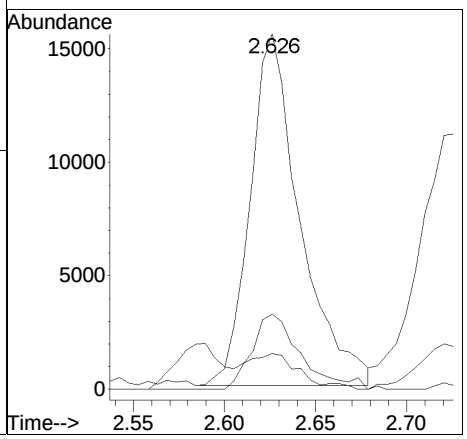


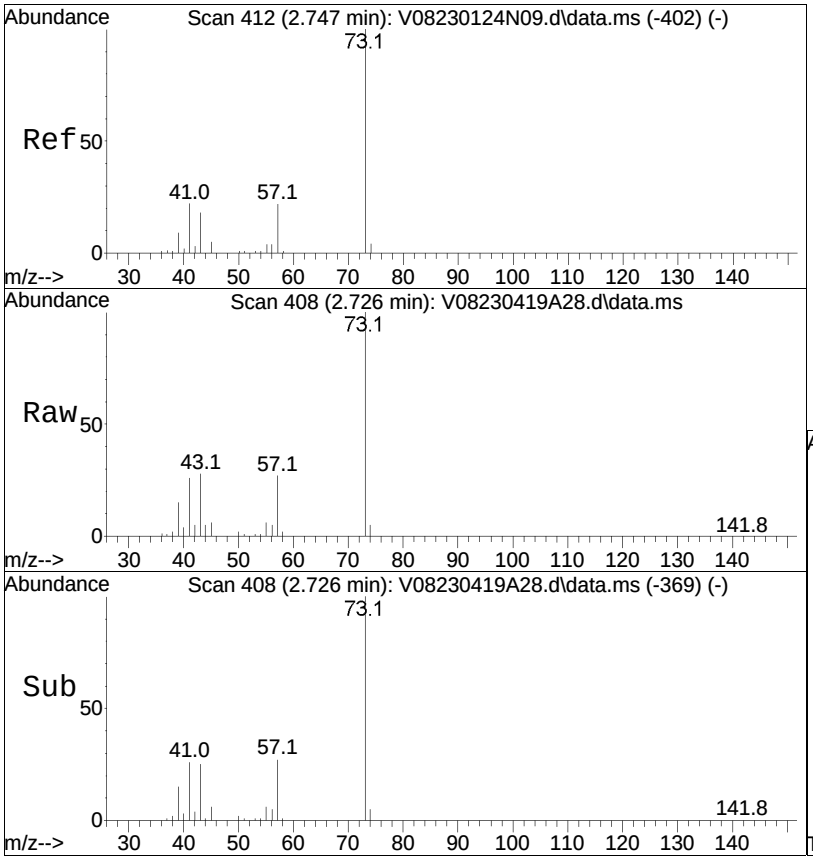



#19
Methyl acetate
Concen: 9.83 ug/L
RT: 2.626 min Scan# 389
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 43 Resp: 29580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.7 | 14.2 | 21.4 |
| 59 | 10.8 | 5.0 | 7.6# |

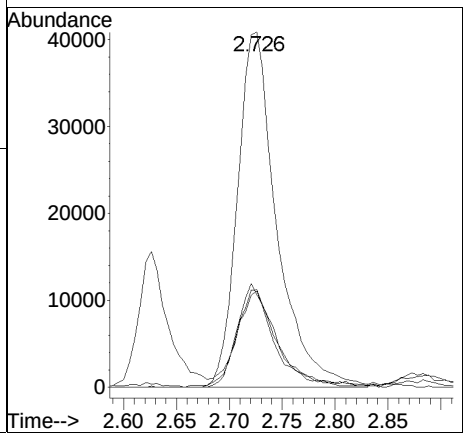


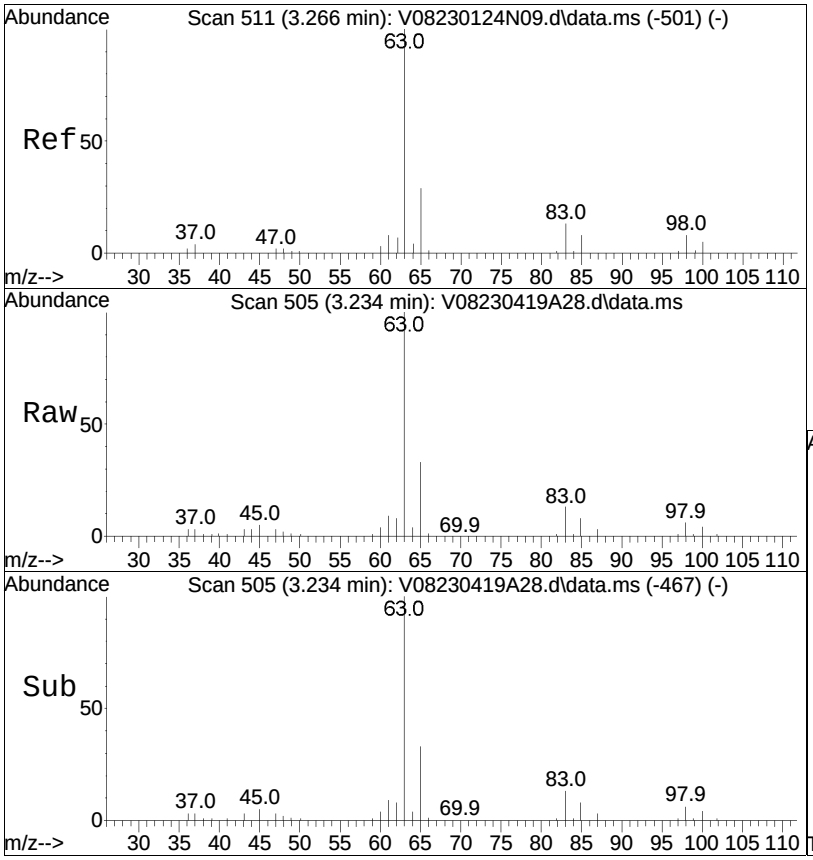



#20
Methyl tert-butyl ether
Concen: 9.34 ug/L
RT: 2.726 min Scan# 408
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 73 Resp: 106046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 25.9 | 17.5 | 36.3 |
| 43 | 27.2 | 15.3 | 31.9 |
| 41 | 29.1 | 15.3 | 31.7 |

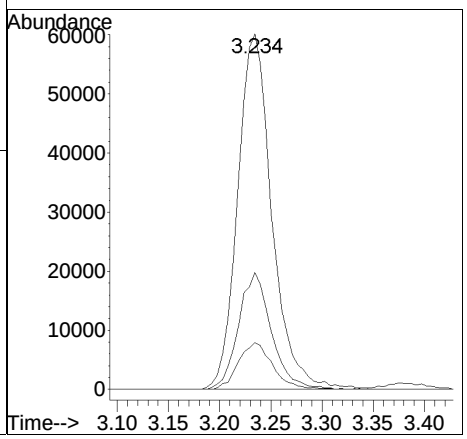


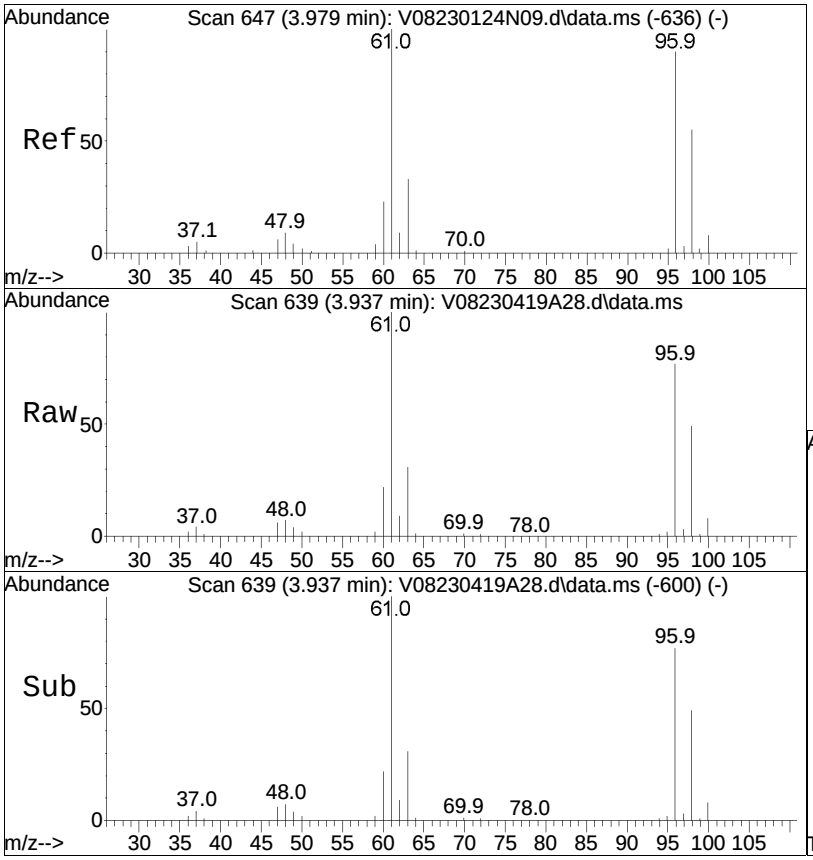



#23
1,1-Dichloroethane
Concen: 11.35 ug/L
RT: 3.234 min Scan# 505
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 63 Resp: 140119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 11.0 | 51.0 |
| 83 | 13.3 | 0.0 | 31.8 |

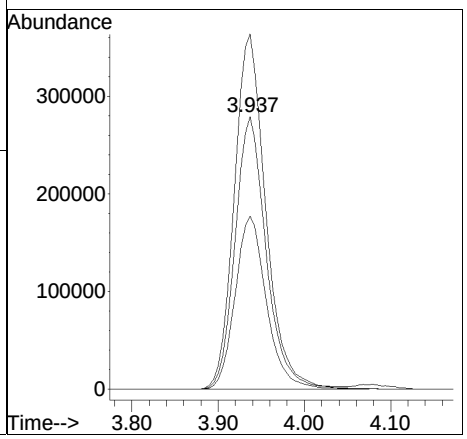


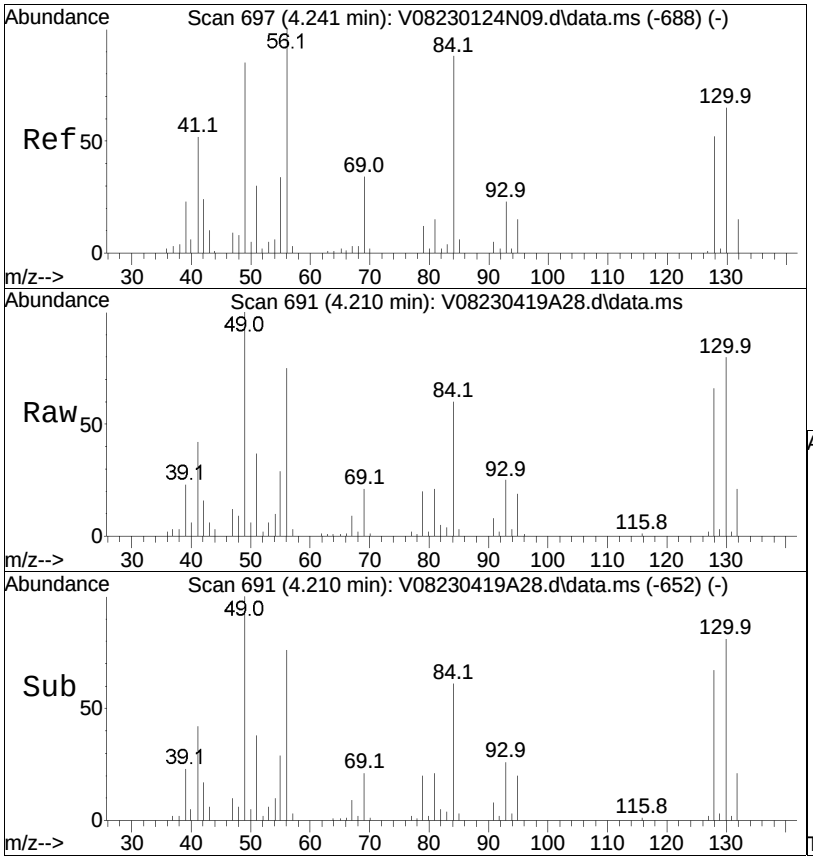



#28
cis-1,2-Dichloroethene
Concen: 94.21 ug/L
RT: 3.937 min Scan# 639
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 96 Resp: 704489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.5 | 149.4 | 224.2# |
| 98 | 64.0 | 53.4 | 80.2 |

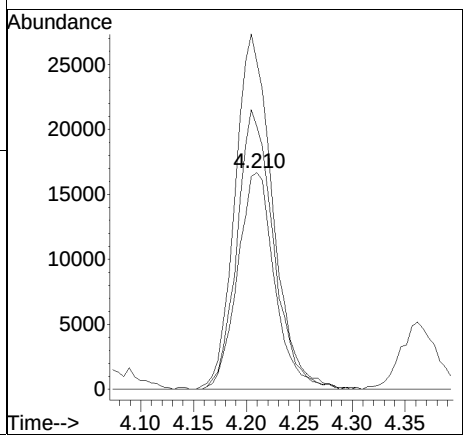


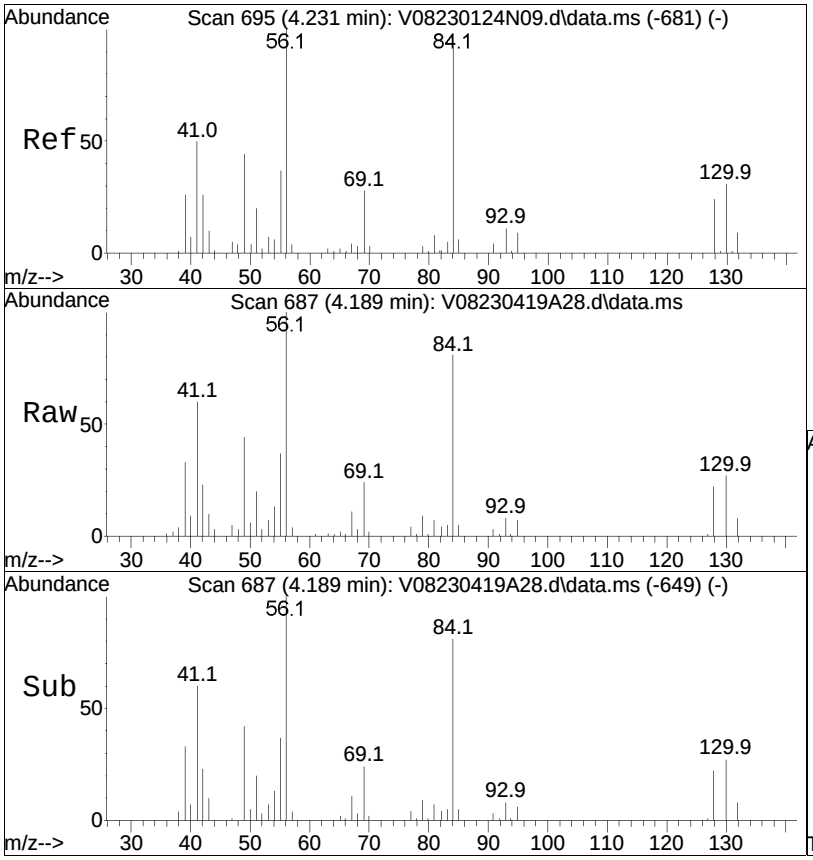



#30
Bromochloromethane
Concen: 10.20 ug/L
RT: 4.210 min Scan# 691
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:128 Resp: 40968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 164.7 | 223.0 | 334.4# |
| 130 | 126.4 | 111.4 | 167.0 |

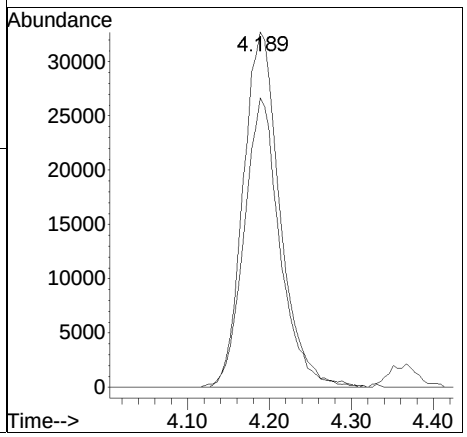


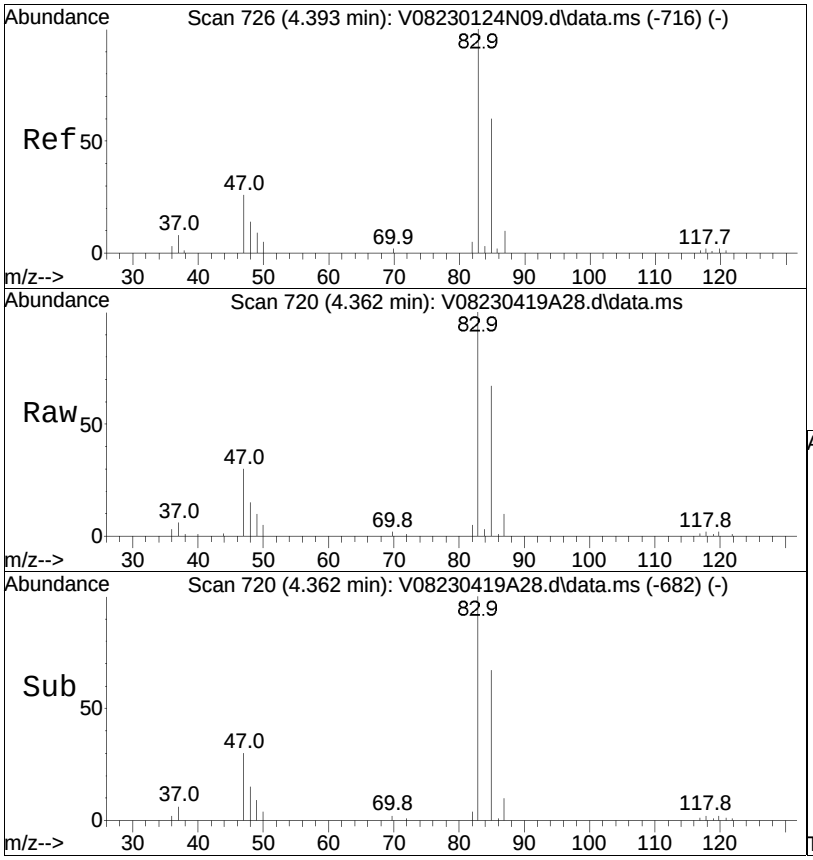



#31
Cyclohexane
Concen: 10.96 ug/L
RT: 4.189 min Scan# 687
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 56 Resp: 102521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 84 | 79.3 | 38.4 | 79.8 |

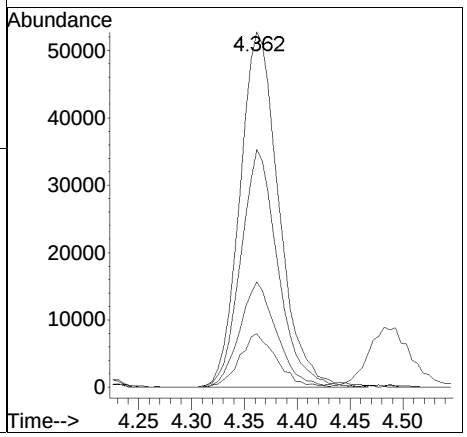


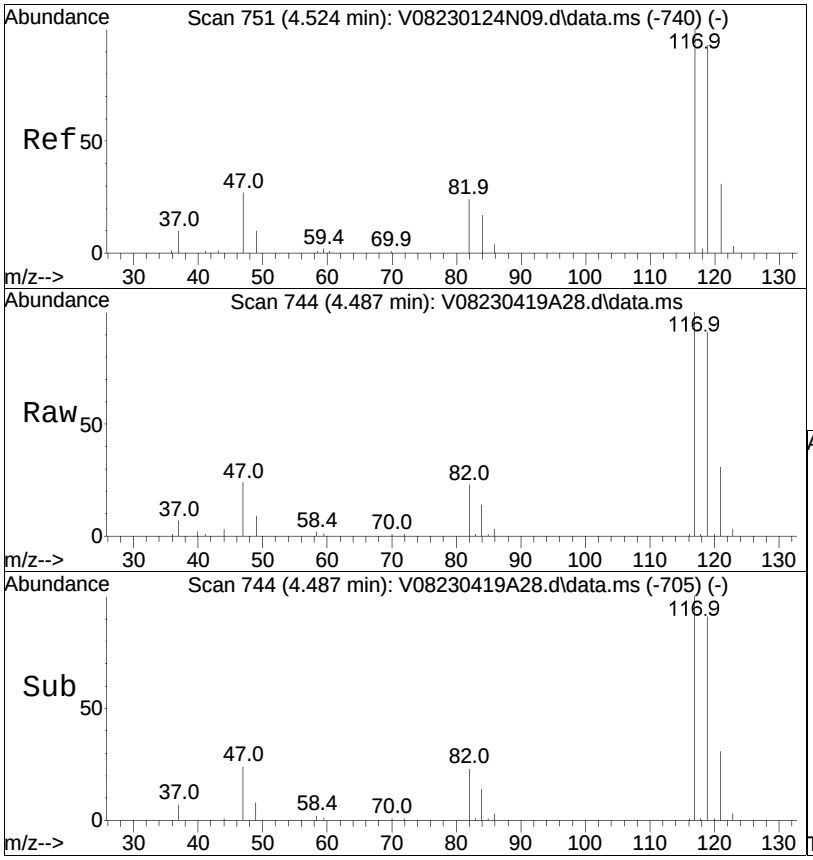



#32
Chloroform
Concen: 11.01 ug/L
RT: 4.362 min Scan# 720
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 83 Resp: 135631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 41.5 | 86.1 |
| 47 | 28.3 | 19.0 | 39.4 |
| 48 | 14.4 | 9.9 | 20.5 |

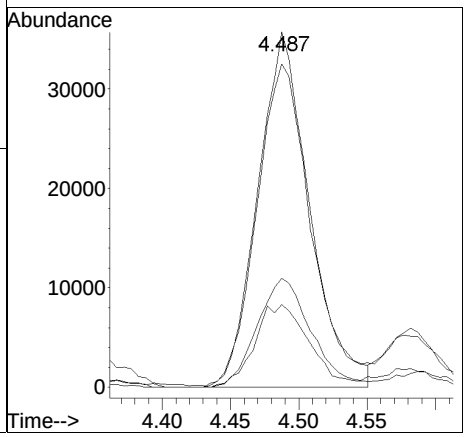


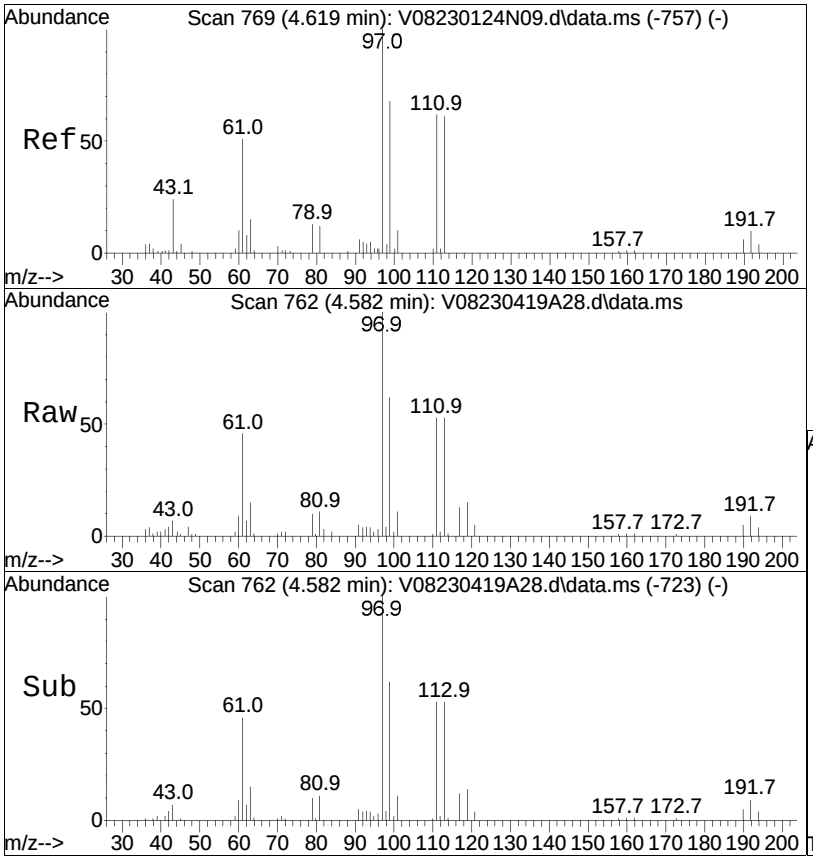



#34
Carbon tetrachloride
Concen: 10.87 ug/L
RT: 4.487 min Scan# 744
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:117 Resp: 94193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 62.4 | 129.6 |
| 121 | 31.8 | 19.5 | 40.5 |
| 82 | 25.0 | 17.0 | 35.4 |

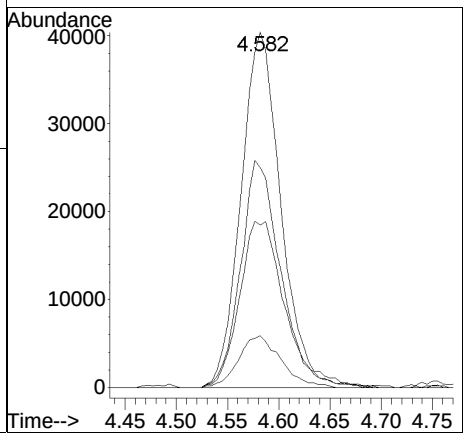


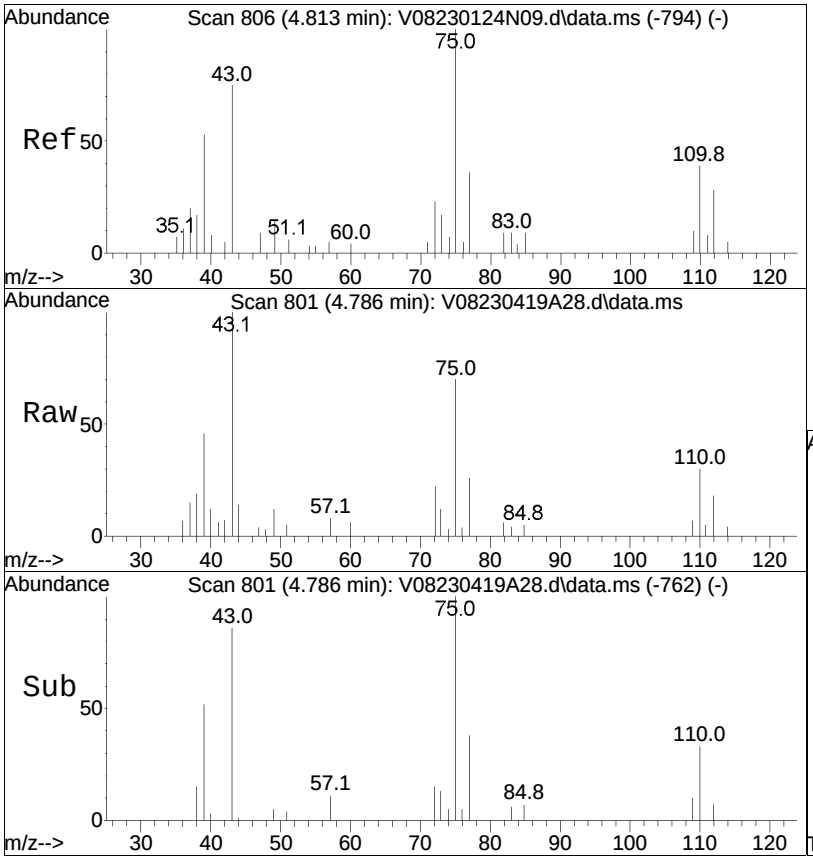



#37
1,1,1-Trichloroethane
Concen: 11.15 ug/L
RT: 4.582 min Scan# 762
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 97 Resp: 110102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.9 | 40.7 | 84.5 |
| 61 | 51.6 | 35.4 | 73.4 |
| 63 | 15.3 | 5.0 | 10.4# |

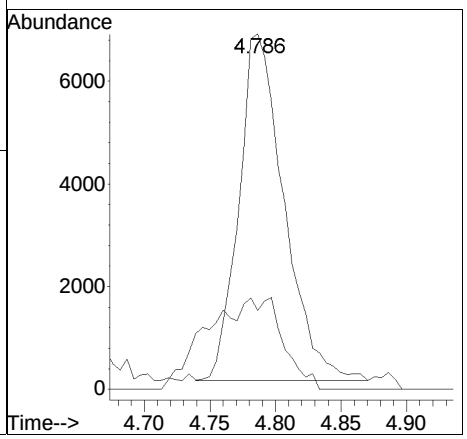


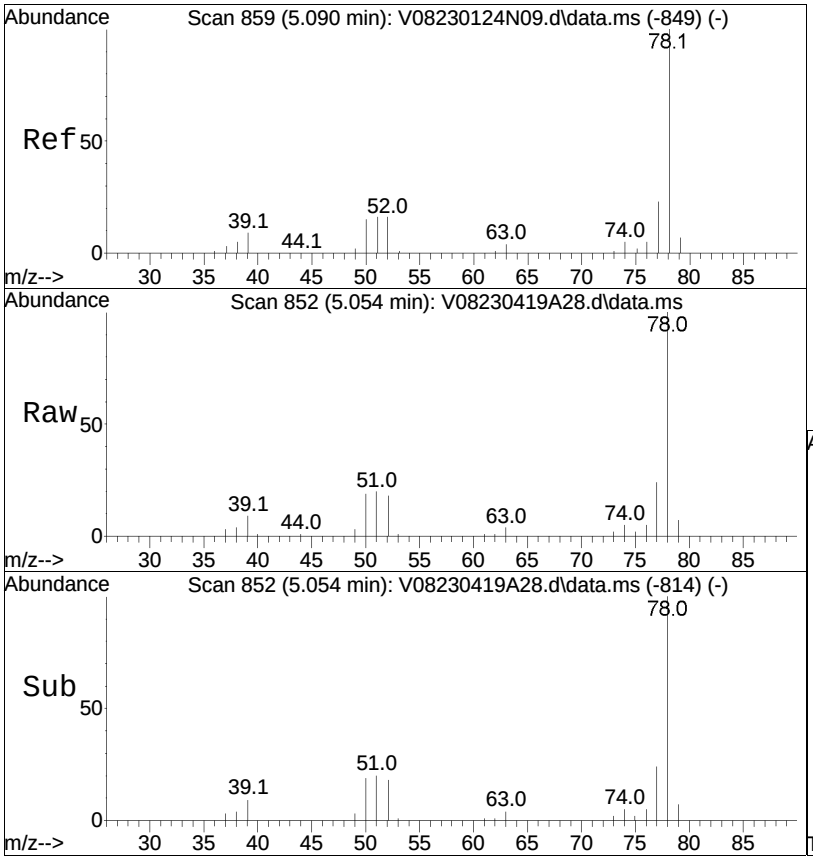



#39
2-Butanone
Concen: 10.01 ug/L
RT: 4.786 min Scan# 801
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 43 Resp: 16201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.3 | 10.9 | 16.3# |

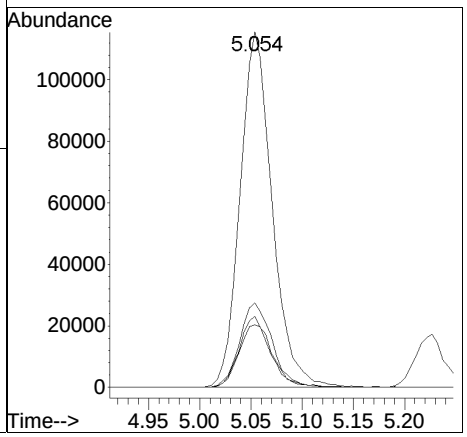


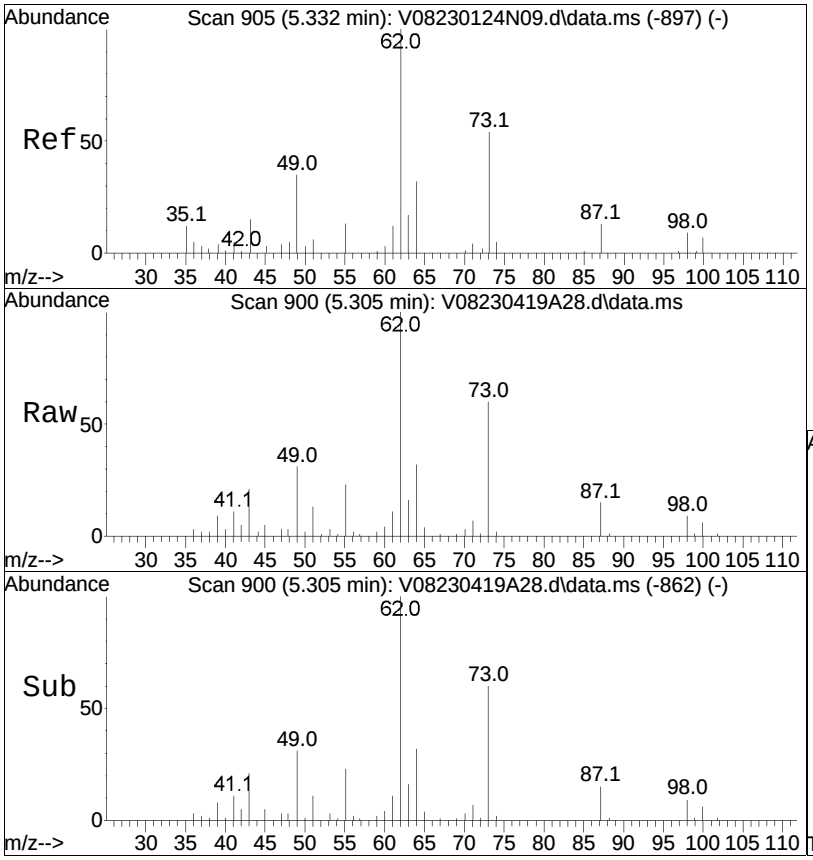



#41
Benzene
Concen: 11.21 ug/L
RT: 5.054 min Scan# 852
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 78 Resp: 251540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 15.7 | 32.7 |
| 51 | 20.0 | 16.0 | 33.2 |
| 52 | 18.2 | 15.3 | 31.9 |

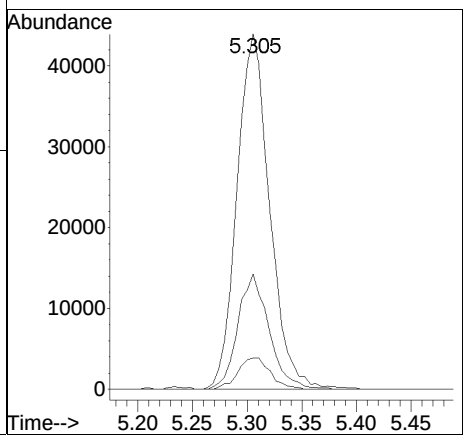


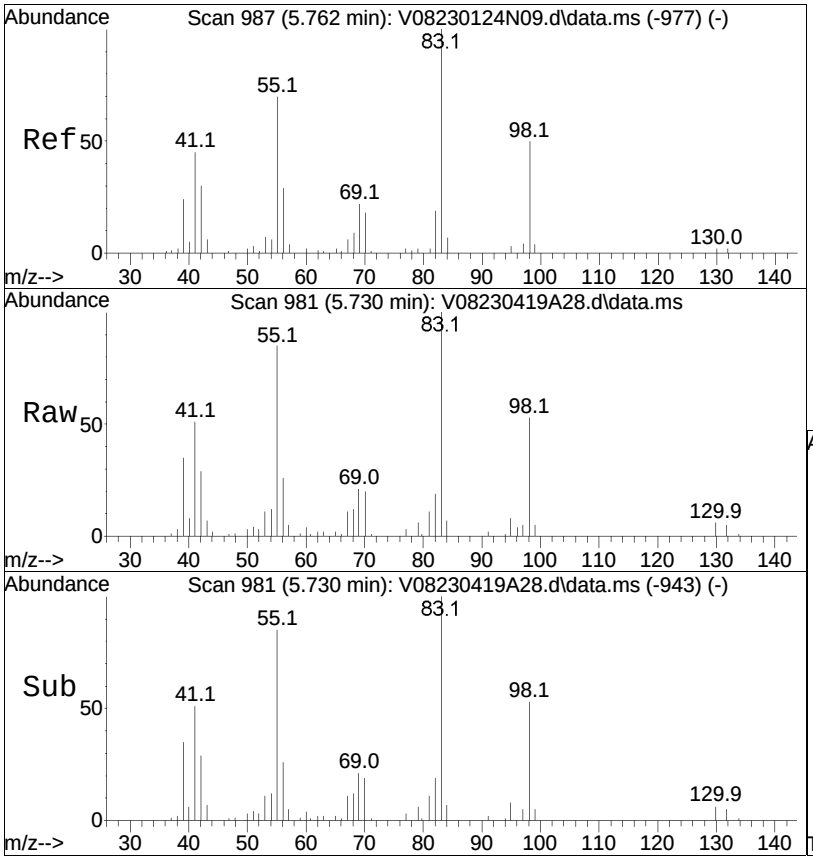



#44
1,2-Dichloroethane
Concen: 10.61 ug/L
RT: 5.305 min Scan# 900
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 62 Resp: 91550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 11.2 | 51.2 |
| 98 | 8.9 | 0.0 | 26.1 |

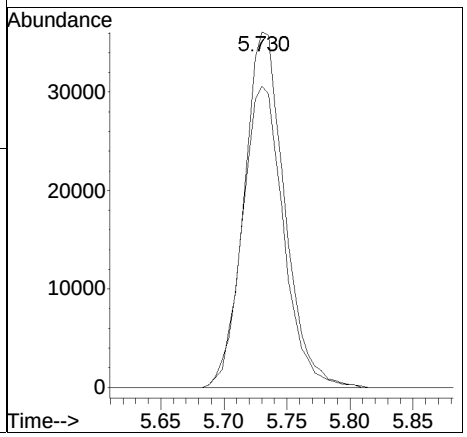


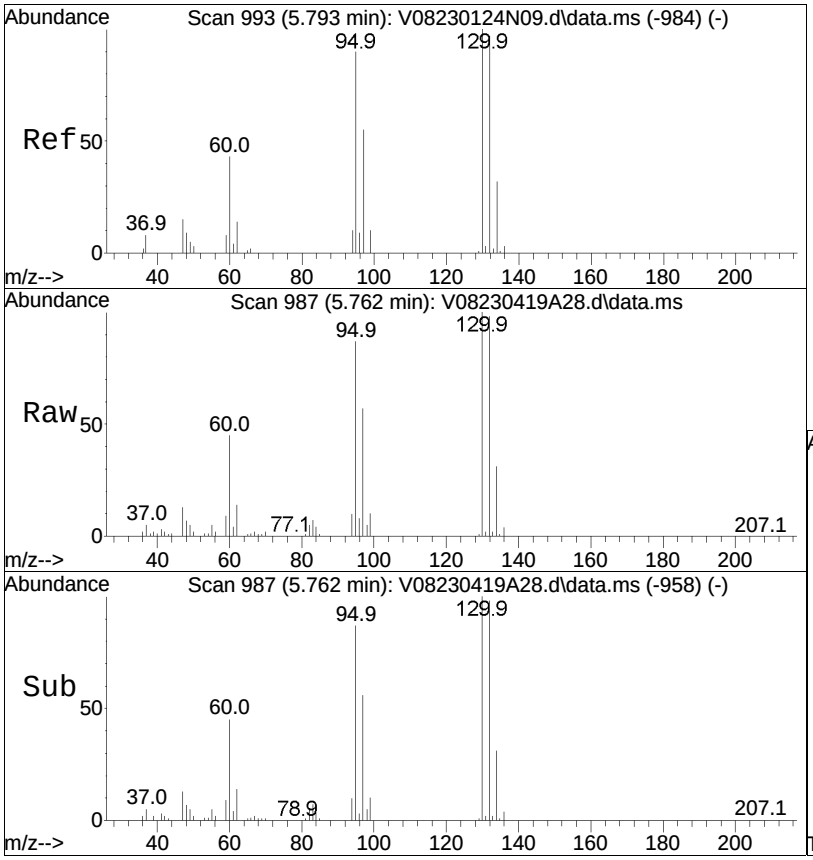



#47
Methyl cyclohexane
Concen:  8.95 ug/L
RT:  5.730 min  Scan# 981
Delta R.T.  0.000 min
Lab File:  V08230419A28.d
Acq: 19 Apr 2023  5:40 pm

Tgt Ion: 83 Resp:  80607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 86.3 | 88.3 | 132.5# |

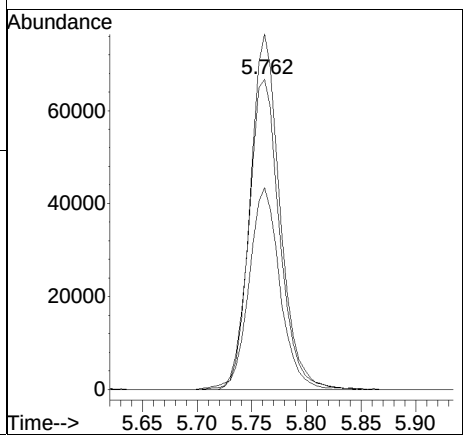


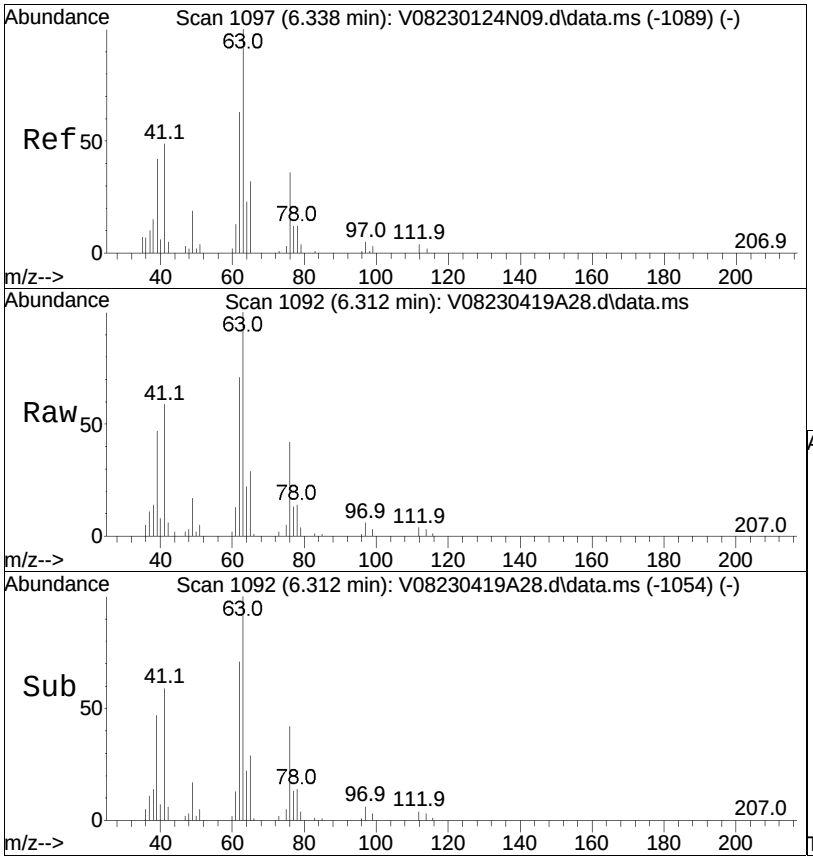



#48
Trichloroethene
Concen: 20.02 ug/L
RT: 5.762 min Scan# 987
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 95 Resp: 130513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.7 | 55.5 | 83.3 |
| 130 | 110.7 | 76.6 | 115.0 |

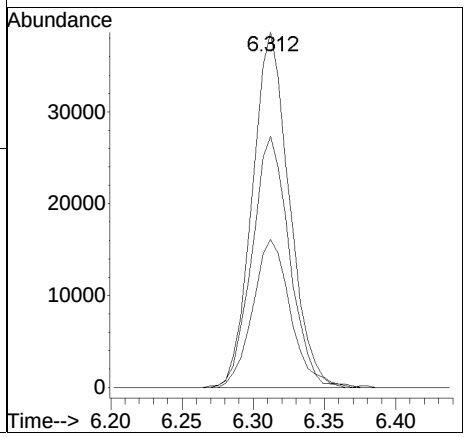


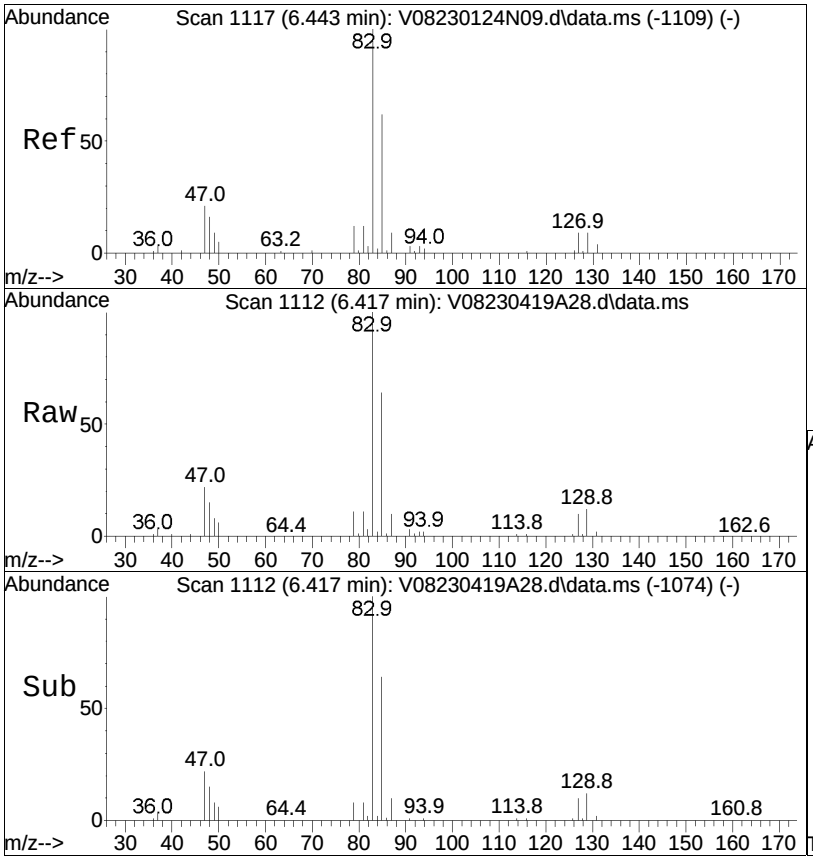



#51
1,2-Dichloropropane
Concen: 10.98 ug/L
RT: 6.312 min Scan# 1092
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 63 Resp: 69939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 62 | 71.7 | 58.6 | 87.8 |
| 76 | 42.0 | 38.0 | 57.0 |

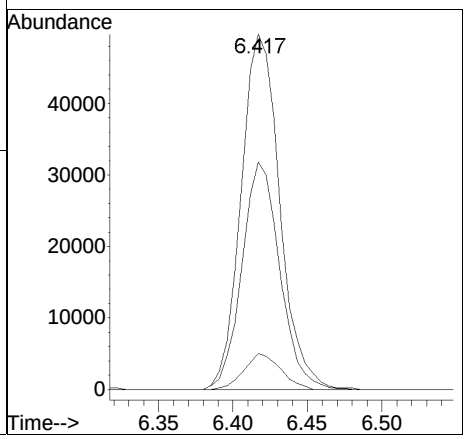


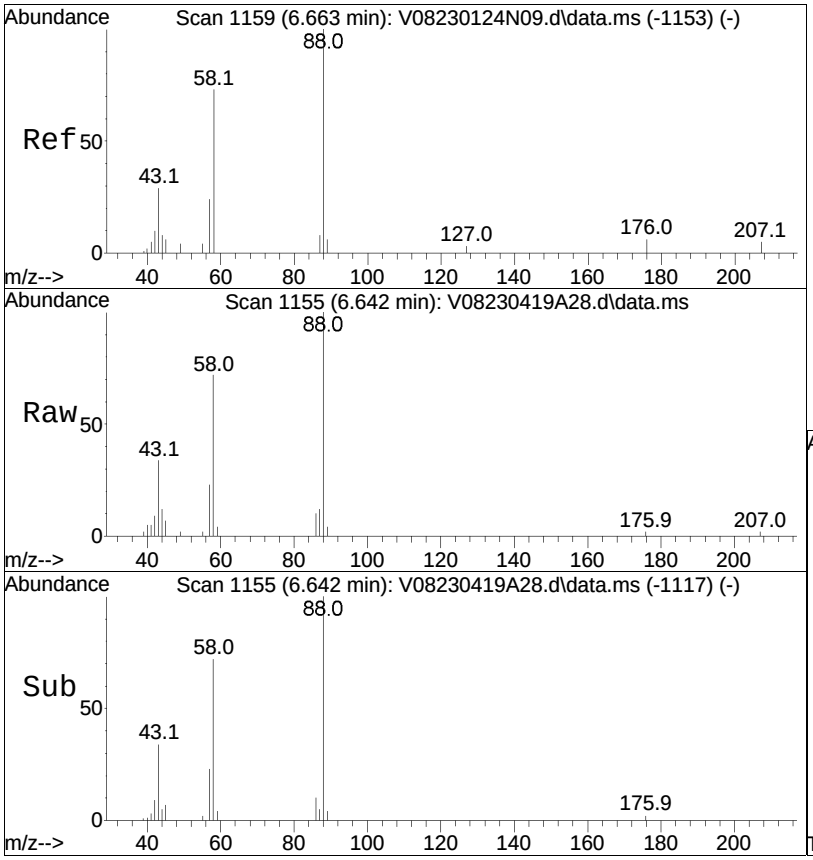



#54
Bromodichloromethane
Concen: 10.43 ug/L
RT: 6.417 min Scan# 1112
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 83 Resp: 89595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 52.3 | 78.5 |
| 127 | 9.6 | 6.2 | 9.4# |

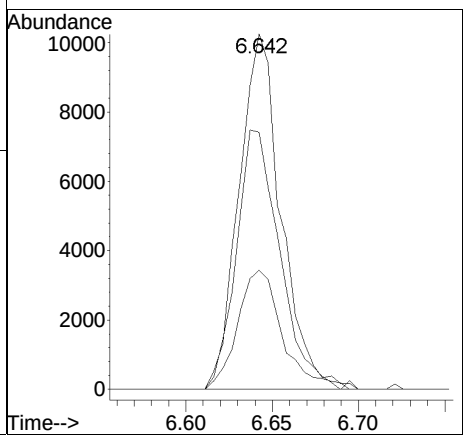


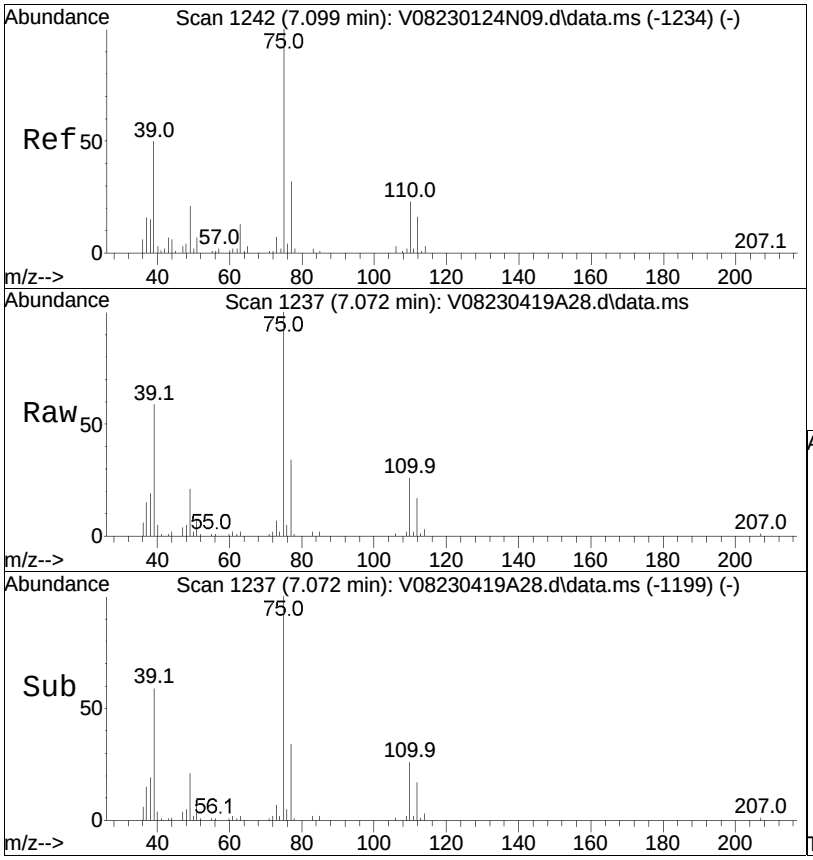



#57
1,4-Dioxane
Concen: 500.22 ug/L
RT: 6.642 min Scan# 1155
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 88 Resp: 17468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.8 | 76.7 | 115.1# |
| 43 | 35.6 | 36.2 | 54.2# |

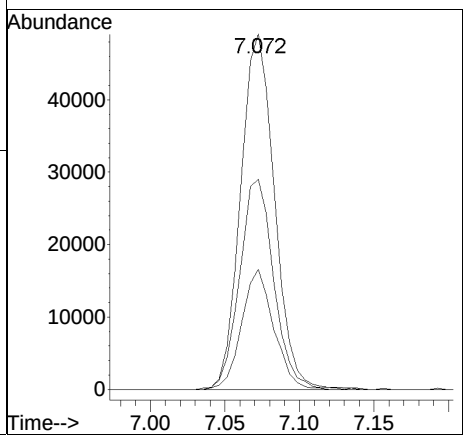


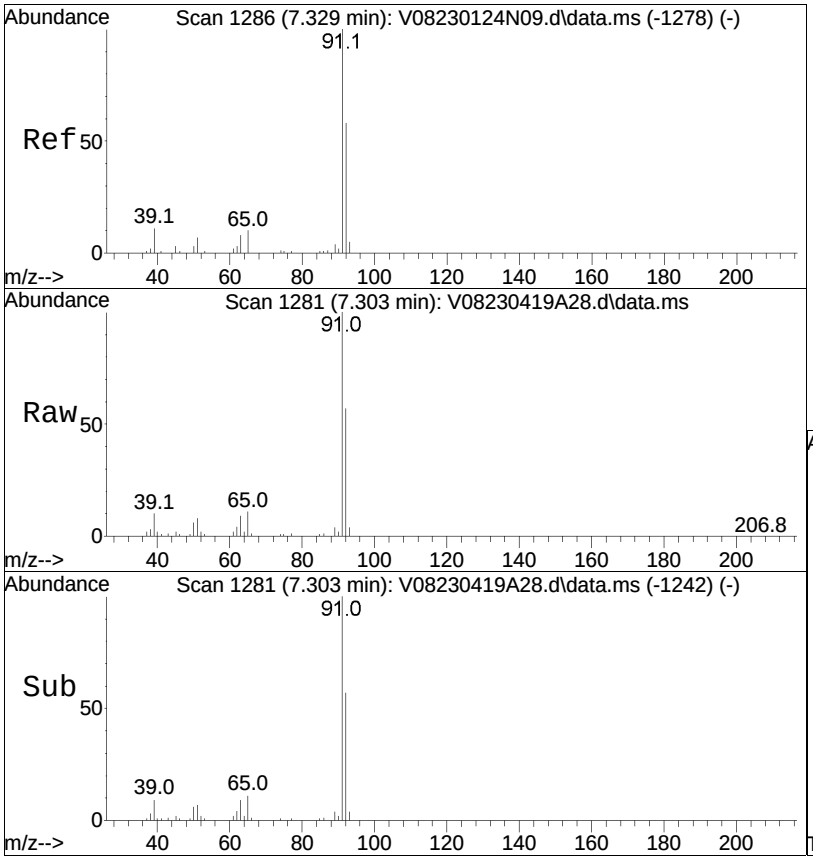



#58
cis-1,3-Dichloropropene
Concen: 9.00 ug/L
RT: 7.072 min Scan# 1237
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 75 Resp: 77579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.0 | 37.4 |
| 39 | 59.6 | 50.1 | 75.1 |

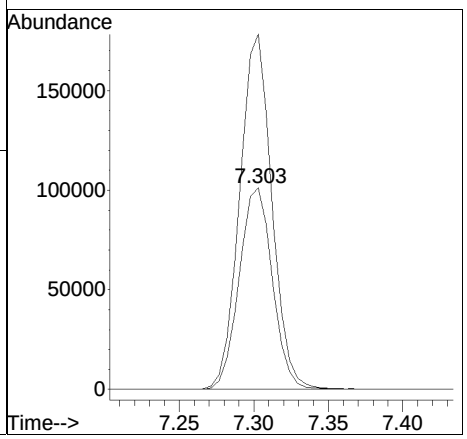


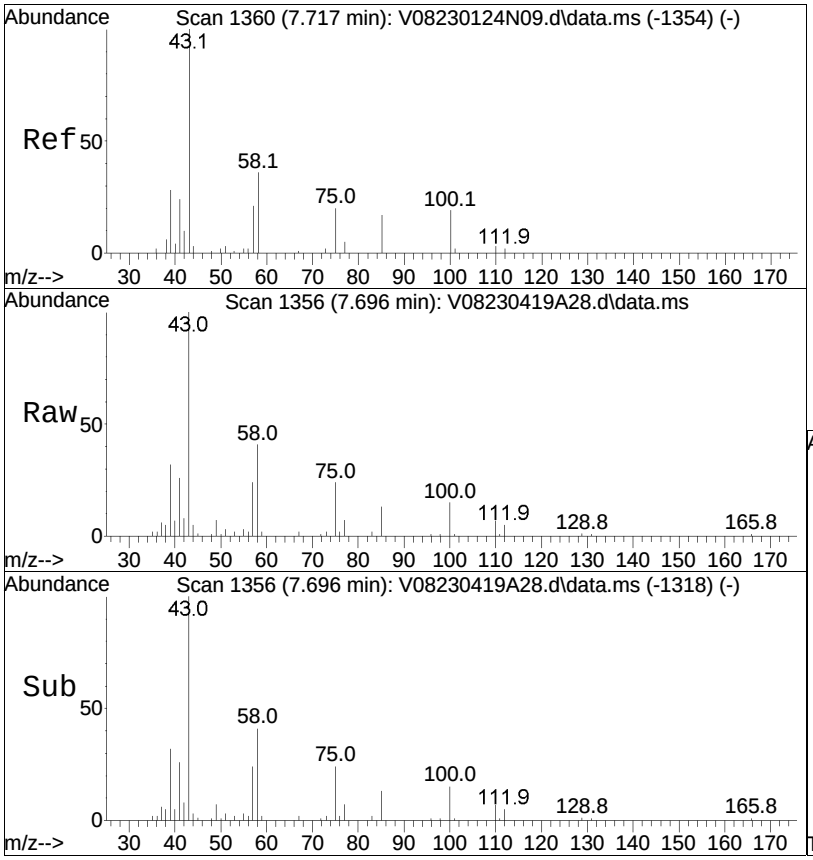



#61
Toluene
Concen: 10.76 ug/L
RT: 7.303 min Scan# 1281
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 92 Resp: 157202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.6 | 139.8 | 209.6 |

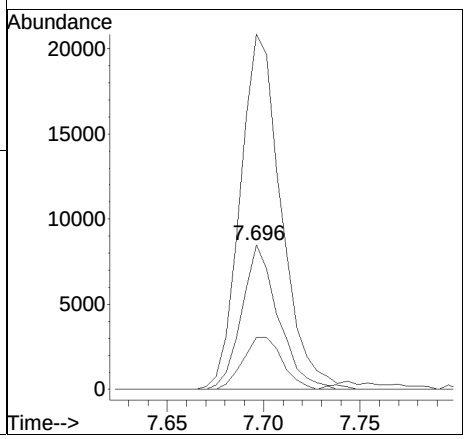


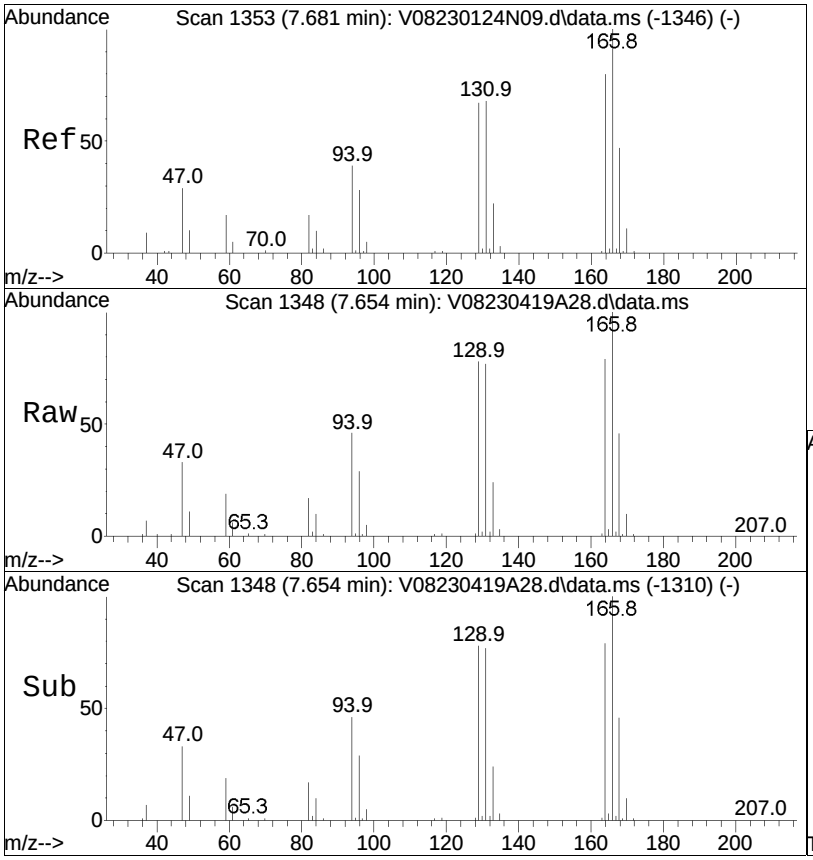



#62
4-Methyl-2-pentanone
Concen: 9.99 ug/L
RT: 7.696 min Scan# 1356
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 58 Resp: 11320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 100 | 39.0 | 20.2 | 30.2# |
| 43 | 279.0 | 196.6 | 295.0 |

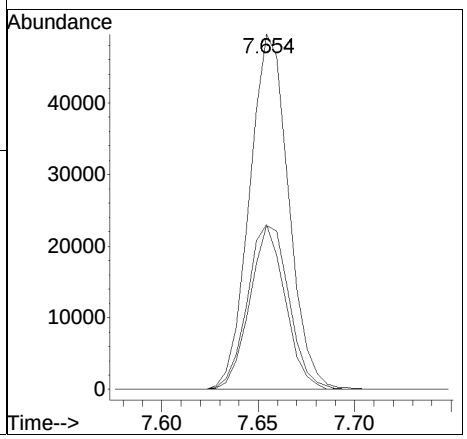


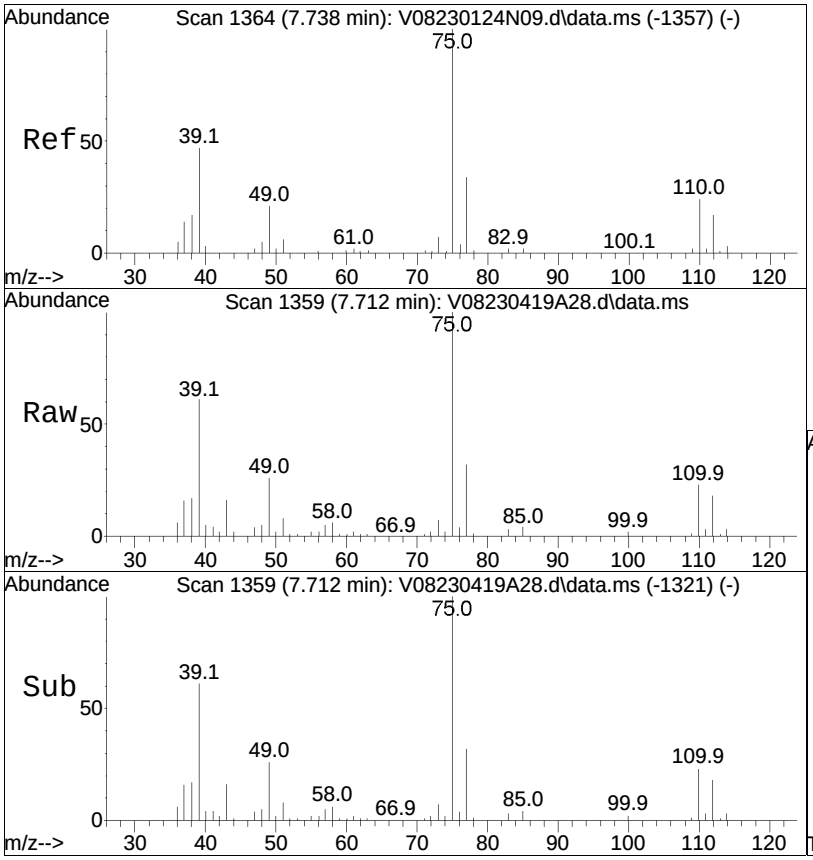



#63
Tetrachloroethene
Concen: 9.73 ug/L
RT: 7.654 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:166 Resp: 69932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 168 | 46.2 | 28.2 | 68.2 |
| 94 | 44.9 | 38.4 | 78.4 |

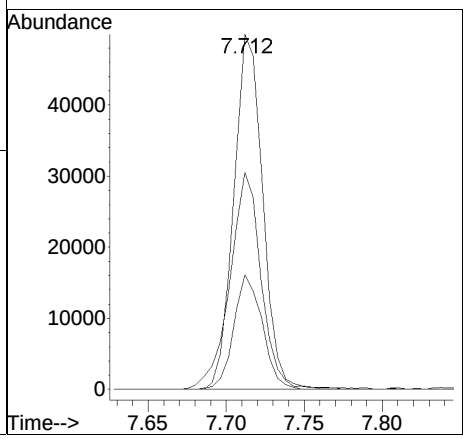


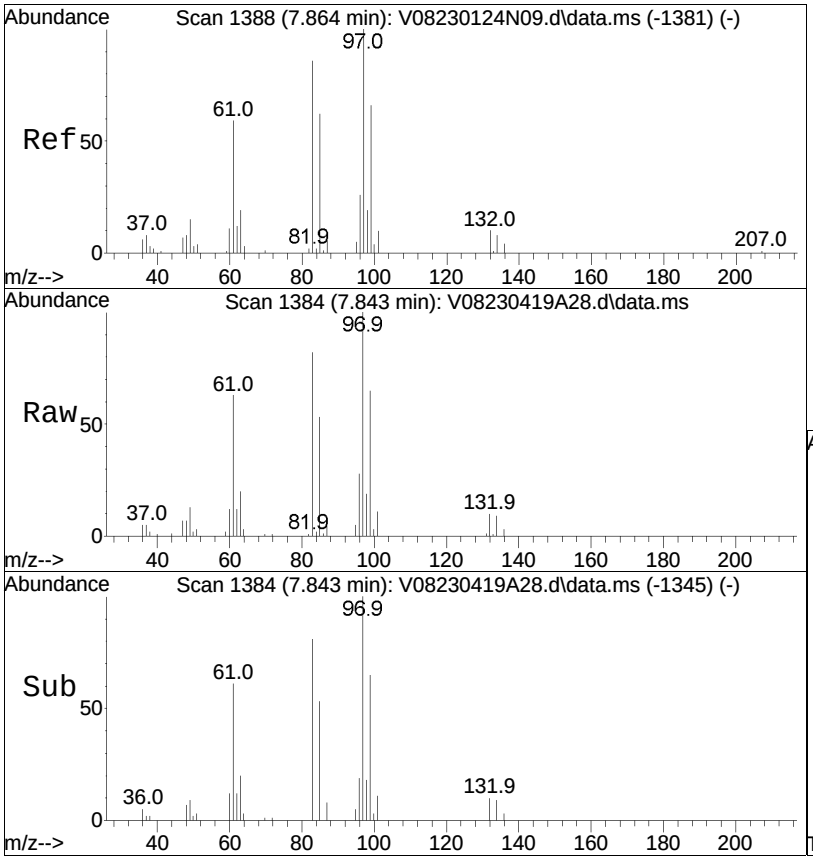



#65
trans-1,3-Dichloropropene
Concen: 9.11 ug/L
RT: 7.712 min Scan# 1359
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 75 Resp: 64449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 12.4 | 52.4 |
| 39 | 66.1 | 42.8 | 82.8 |

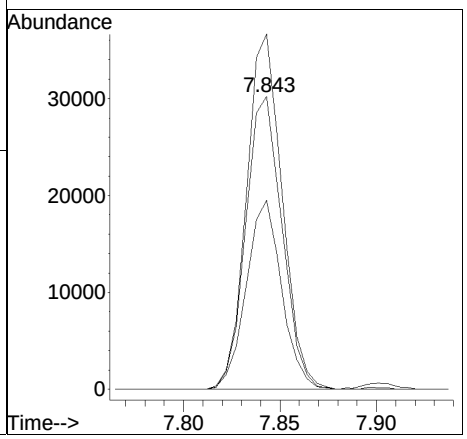


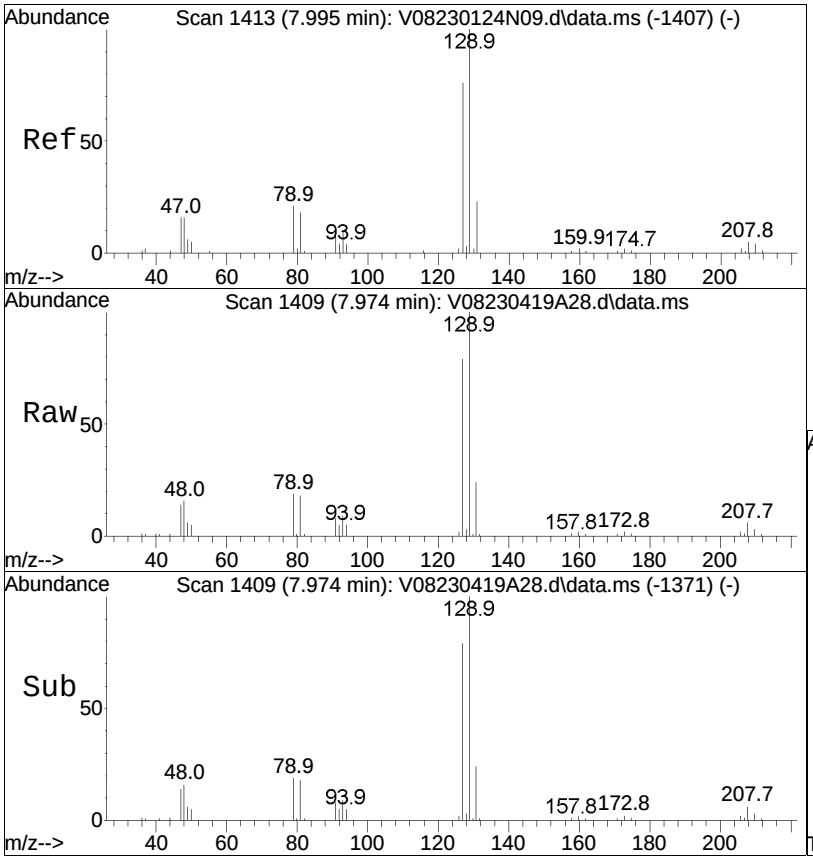



#68
1,1,2-Trichloroethane
Concen: 10.69 ug/L
RT: 7.843 min Scan# 1384
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 83 Resp: 39640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 118.9 | 89.8 | 129.8 |
| 85 | 63.0 | 44.4 | 84.4 |

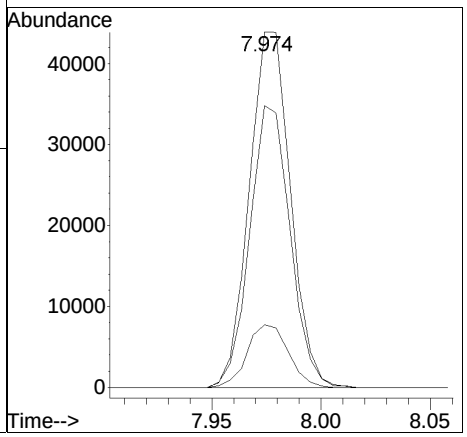


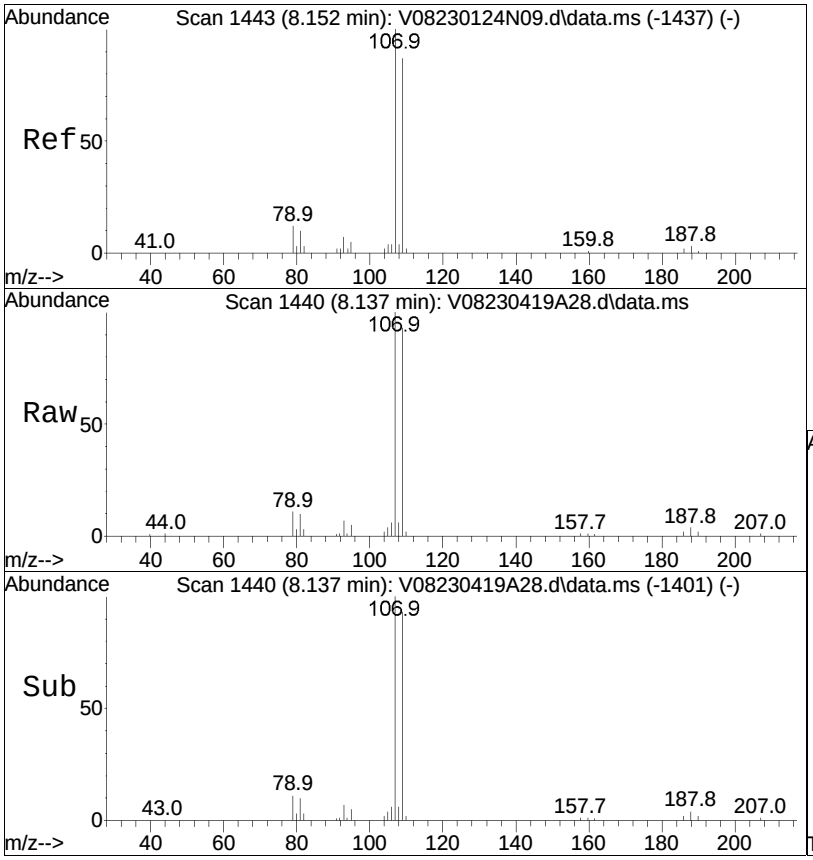



#69
Chlorodibromomethane
Concen: 9.27 ug/L
RT: 7.974 min Scan# 1409
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:129 Resp: 57643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 81 | 17.6 | 2.9 | 42.9 |
| 127 | 77.7 | 57.8 | 97.8 |

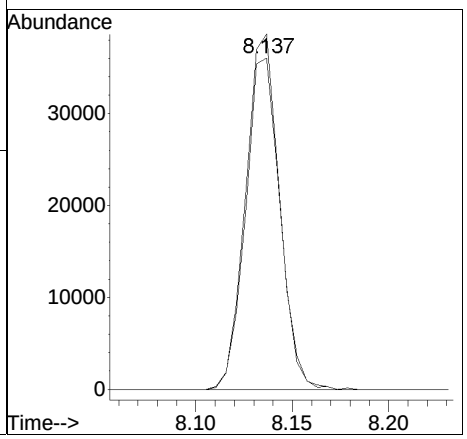


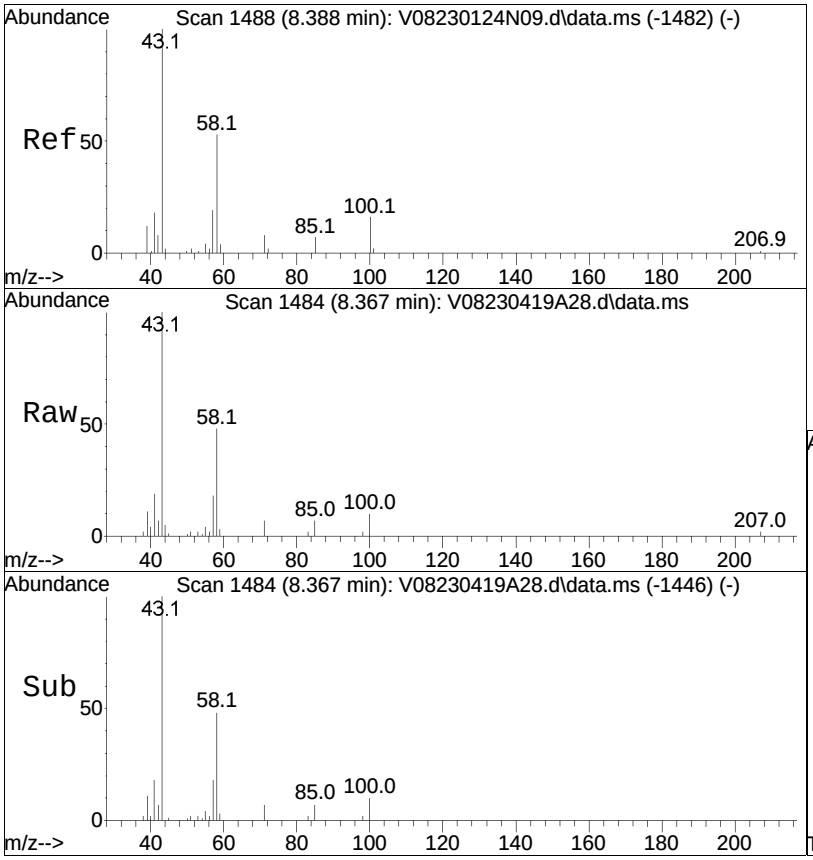



#71
1,2-Dibromoethane
Concen: 9.80 ug/L
RT: 8.137 min Scan# 1440
Delta R.T. 0.005 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:107 Resp: 47300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.5 | 74.3 | 111.5 |

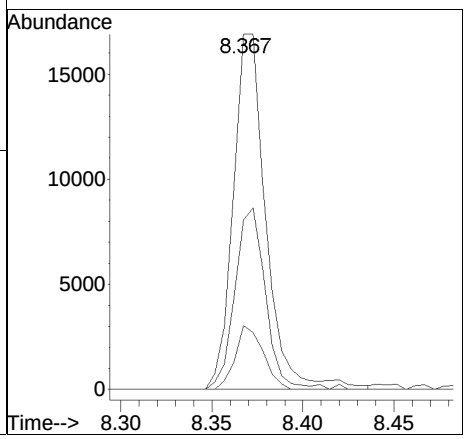


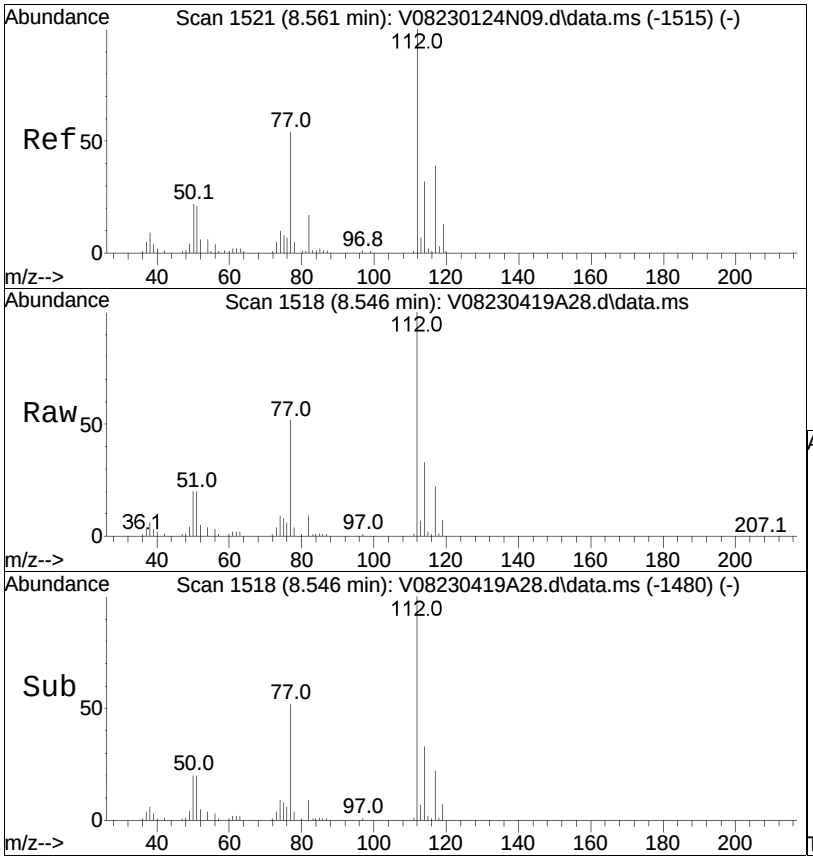



#72
2-Hexanone
Concen: 10.41 ug/L
RT: 8.367 min Scan# 1484
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 43 Resp: 21164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.9 | 41.2 | 61.8 |
| 57 | 15.4 | 17.2 | 25.8# |

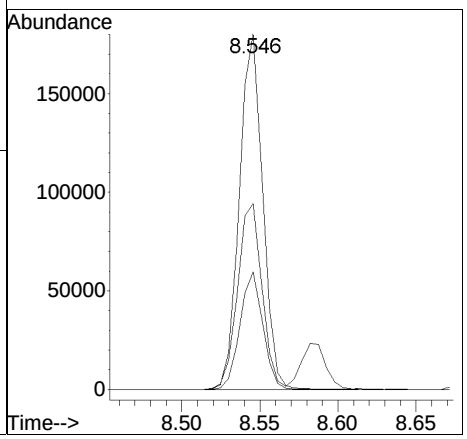


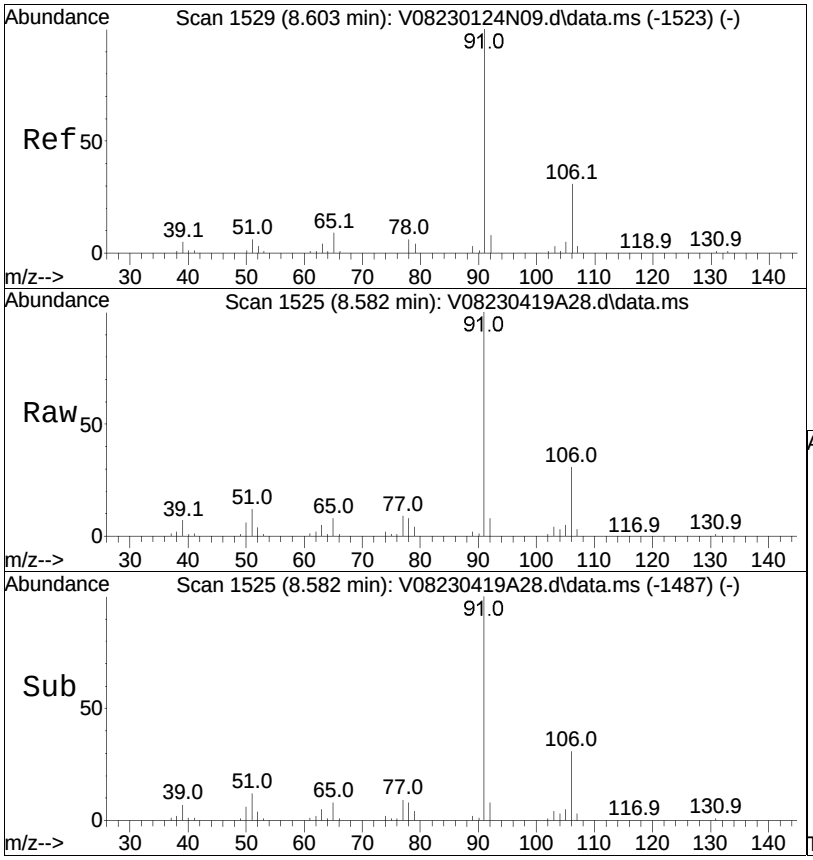



#73
Chlorobenzene
Concen: 10.18 ug/L
RT: 8.546 min Scan# 1518
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:112 Resp: 187537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 54.7 | 55.4 | 83.0# |
| 114 | 32.3 | 25.4 | 38.2 |

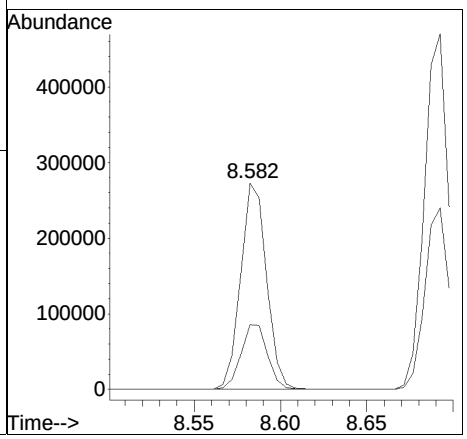


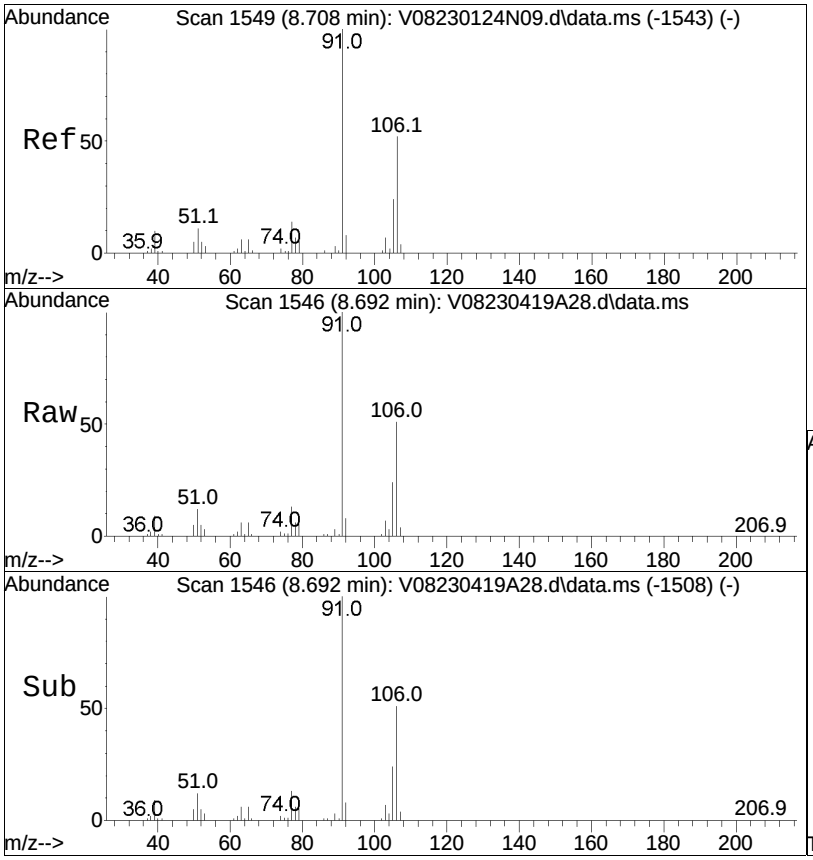



#74
Ethylbenzene
Concen: 10.39 ug/L
RT: 8.582 min Scan# 1525
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 91 Resp: 285273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.2 | 24.3 | 36.5 |

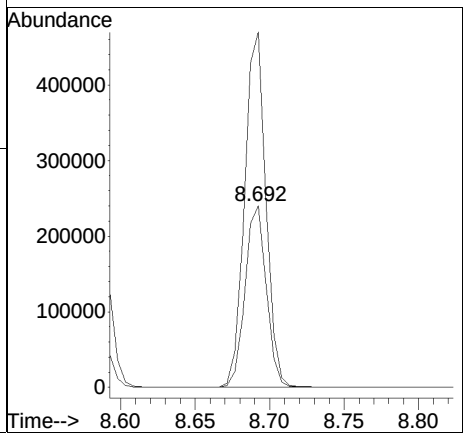


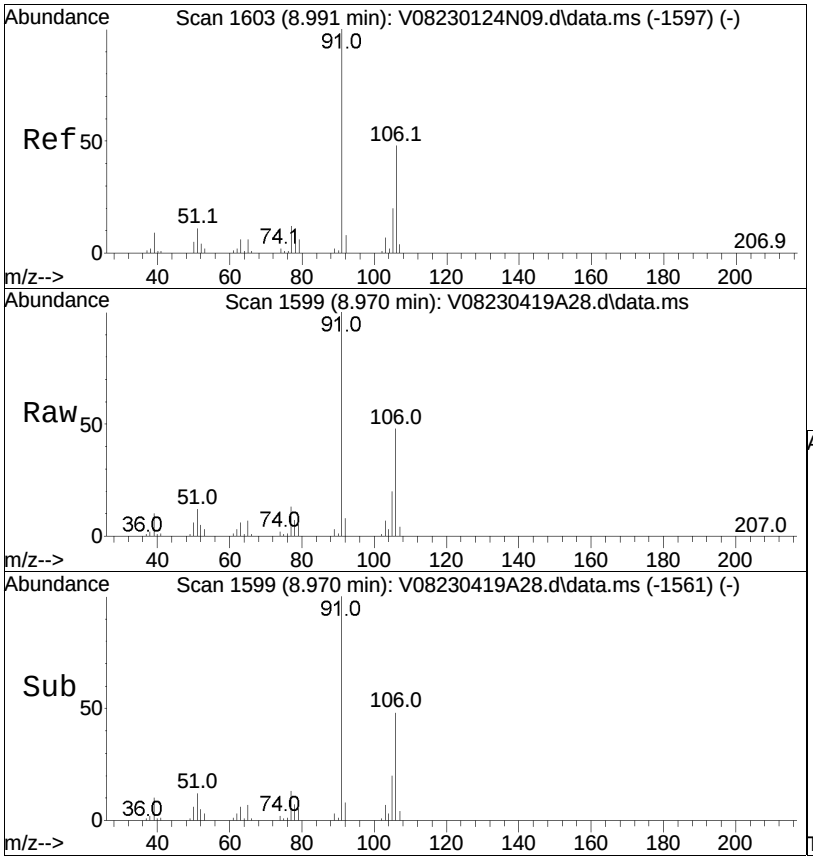



#76
p/m Xylene
Concen: 20.88 ug/L
RT: 8.692 min Scan# 1546
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:106 Resp: 238372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.5 | 166.4 | 249.6 |

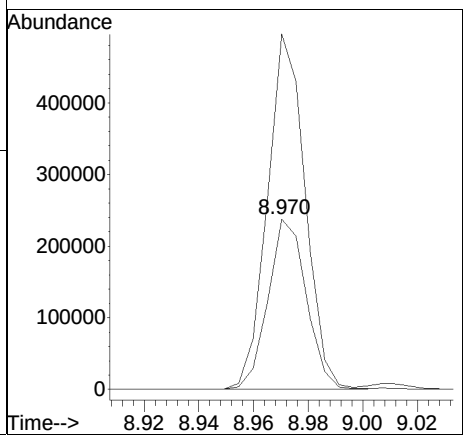


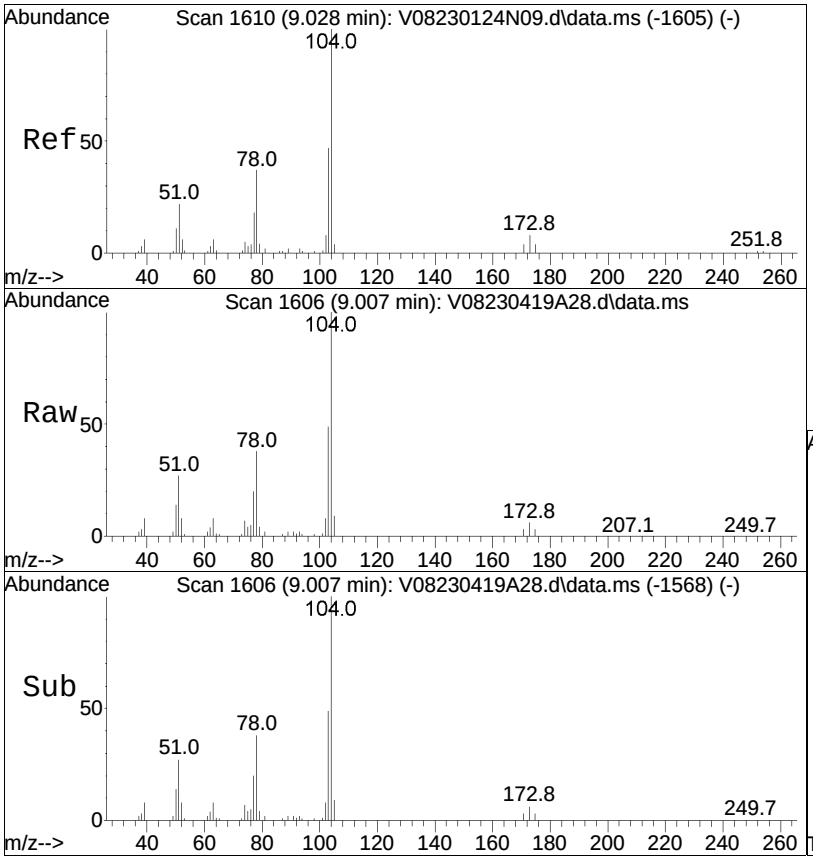



#77
o Xylene
Concen: 20.82 ug/L
RT: 8.970 min Scan# 1599
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:106 Resp: 231260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.6 | 182.6 | 273.8 |

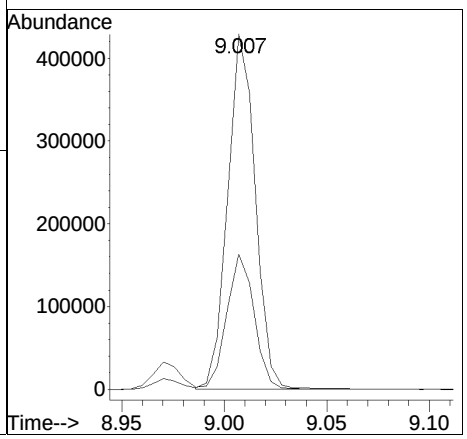


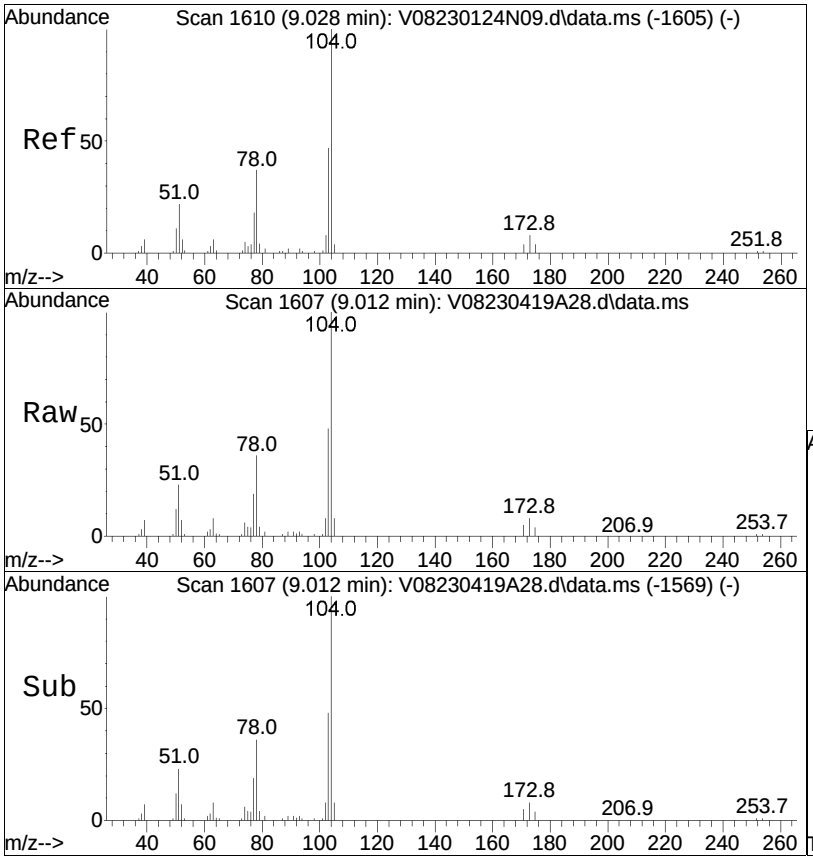



#78
Styrene
Concen: 21.92 ug/L
RT: 9.007 min Scan# 1606
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:104 Resp: 401524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 37.9 | 39.8 | 59.6# |

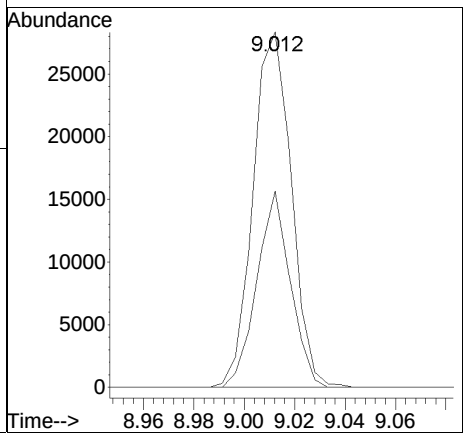


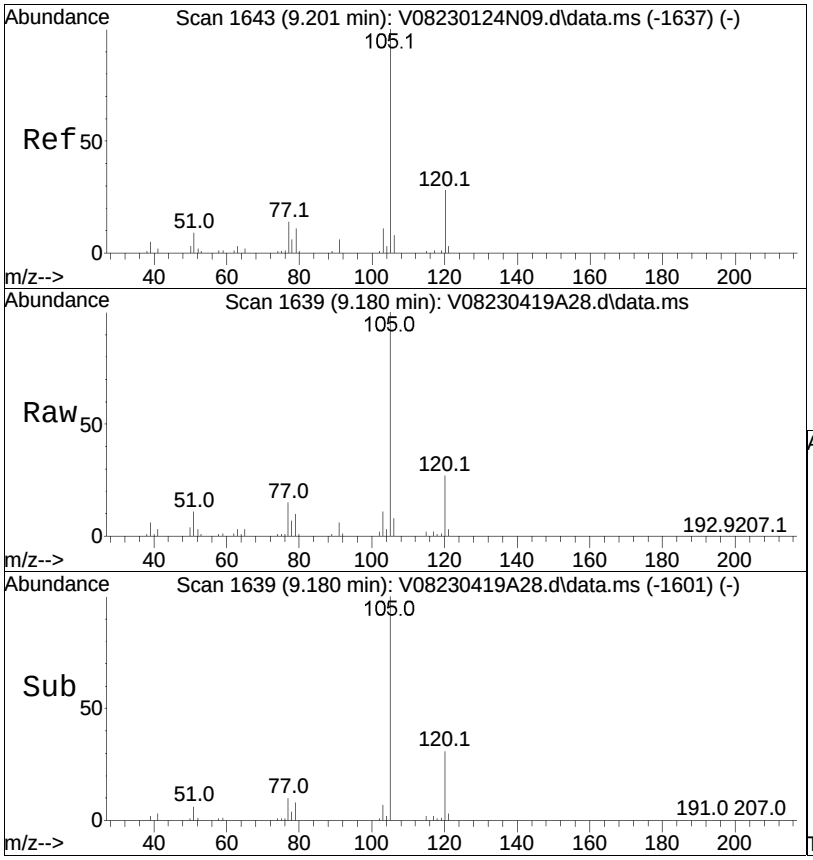



#80
Bromoform
Concen: 8.82 ug/L
RT: 9.012 min Scan# 1607
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:173 Resp: 29916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 31.5 | 71.5 |

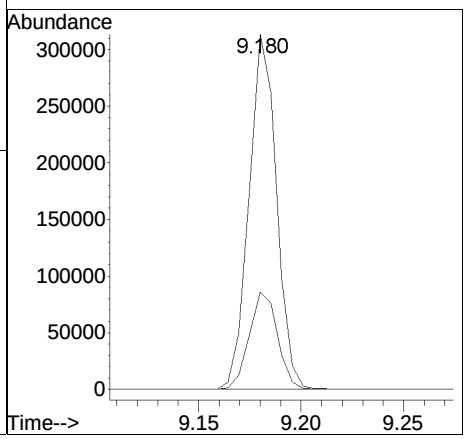


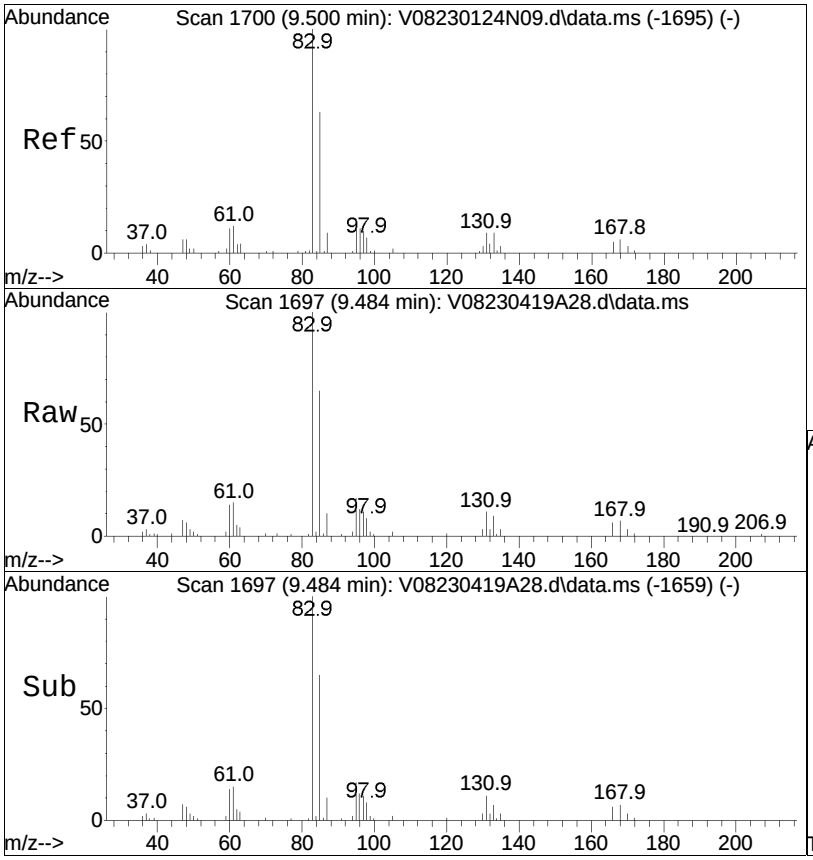



#82
Isopropylbenzene
Concen: 10.50 ug/L
RT: 9.180 min Scan# 1639
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:105 Resp: 292759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.2 | 4.8 | 44.8 |

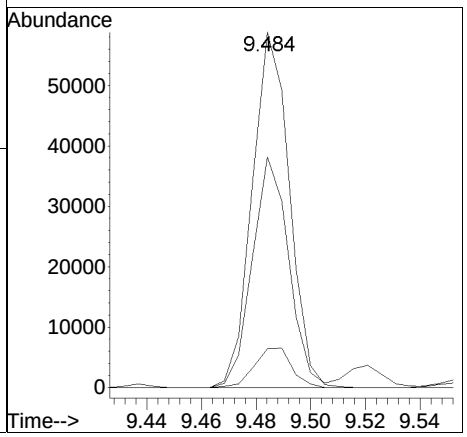


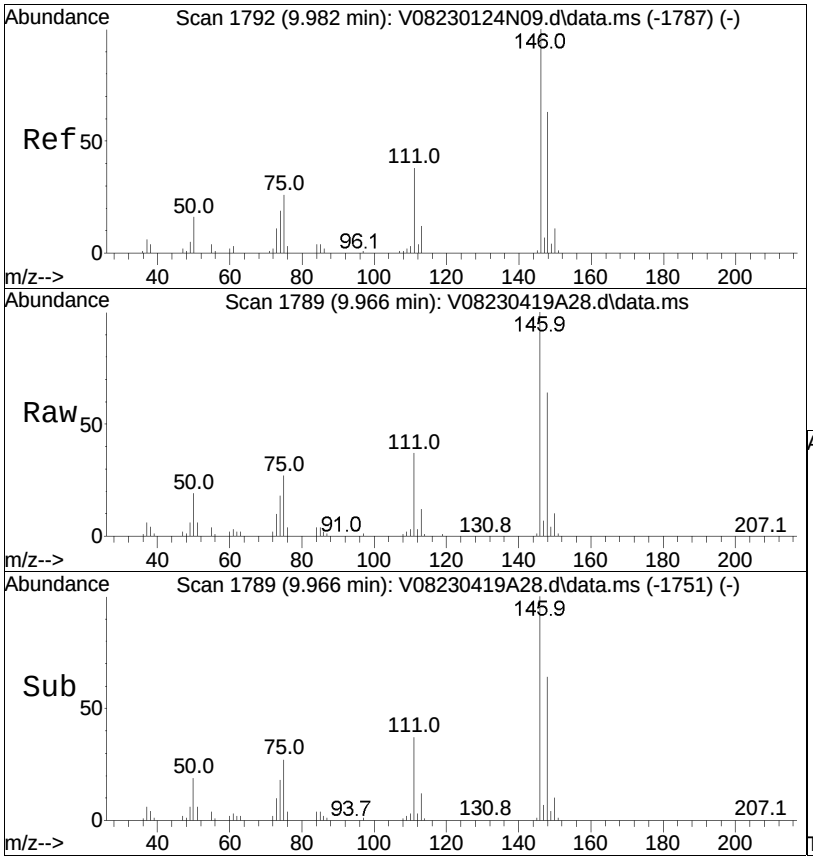



#87
1,1,2,2-Tetrachloroethane
Concen: 10.96 ug/L
RT: 9.484 min Scan# 1697
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion: 83 Resp: 55476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.1 | 0.0 | 30.4 |
| 85 | 63.7 | 45.4 | 85.4 |

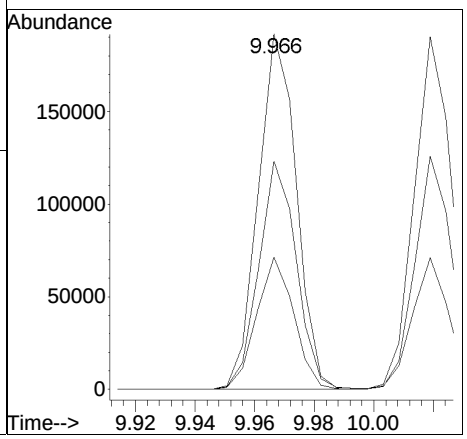


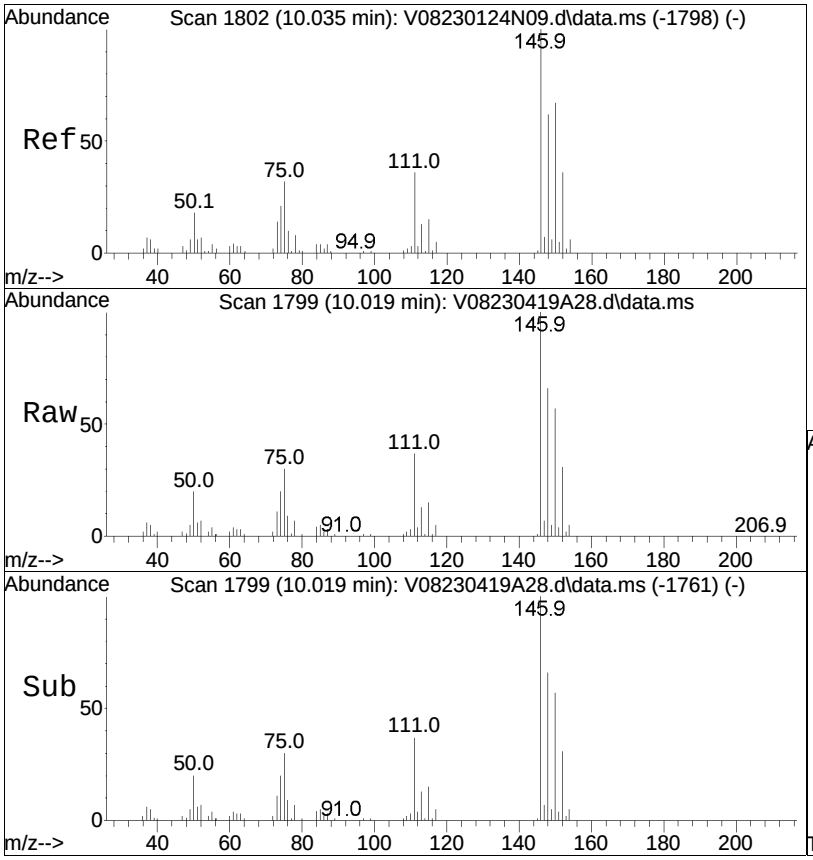



#100
1,3-Dichlorobenzene
Concen: 9.99 ug/L
RT: 9.966 min Scan# 1789
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:146 Resp: 170807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.3 | 27.5 | 57.1 |
| 148 | 63.3 | 41.9 | 86.9 |

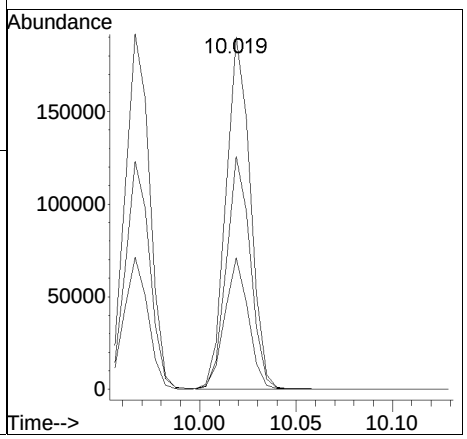


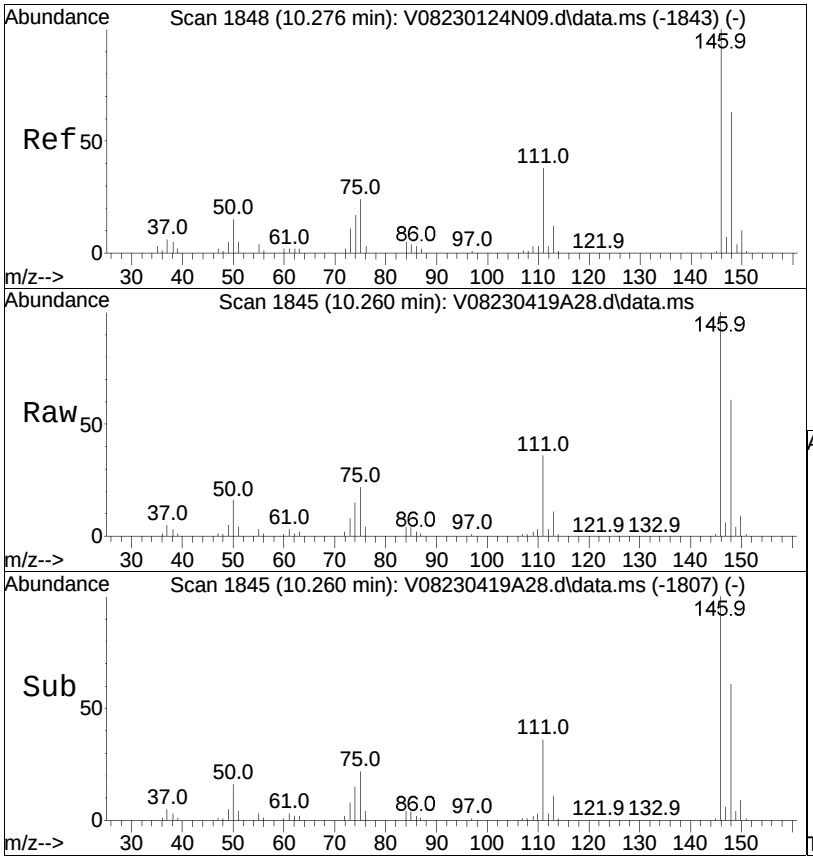



#101
1,4-Dichlorobenzene
Concen: 9.83 ug/L
RT: 10.019 min Scan# 1799
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:146 Resp: 168413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.3 | 32.3 | 48.5 |
| 148 | 64.7 | 49.9 | 74.9 |

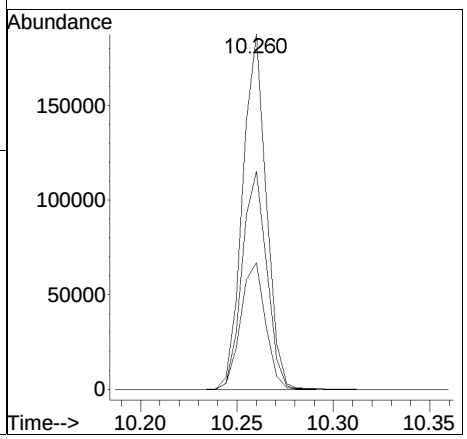


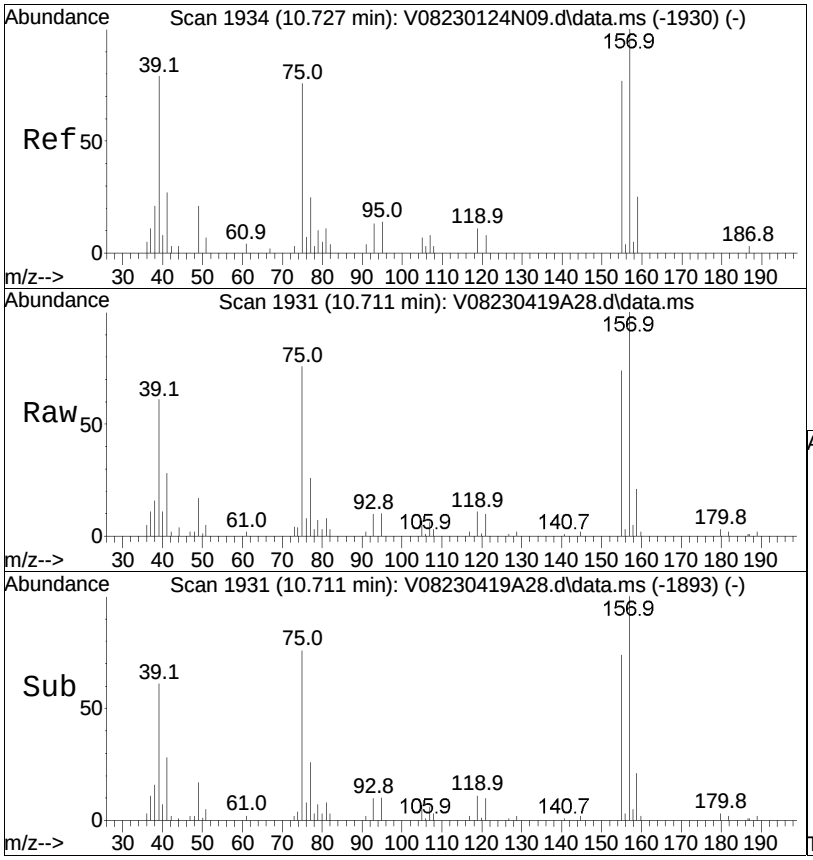



#104
1,2-Dichlorobenzene
Concen: 10.33 ug/L
RT: 10.260 min Scan# 1845
Delta R.T. 0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:146 Resp: 160799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.4 | 28.3 | 58.7 |
| 148 | 63.8 | 42.3 | 87.8 |

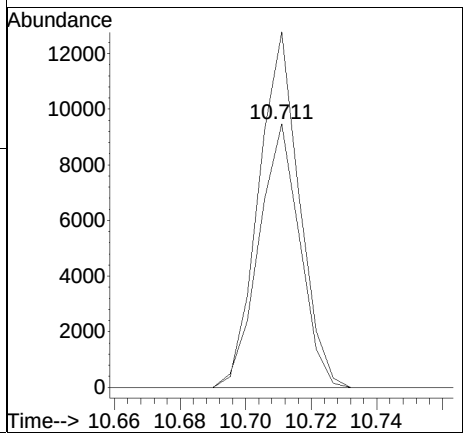


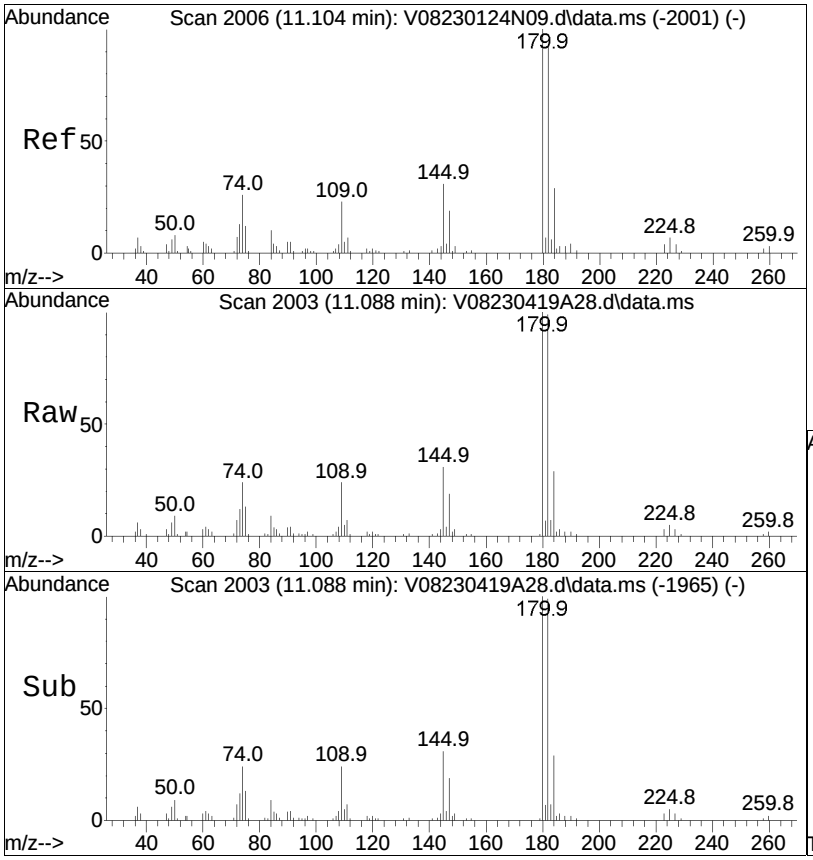



#106
1,2-Dibromo-3-chloropropane
Concen: 9.16 ug/L
RT: 10.711 min Scan# 1931
Delta R.T. -0.000 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:155 Resp: 8231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 155 | 100 | | |
| 157 | 133.6 | 94.8 | 142.2 |

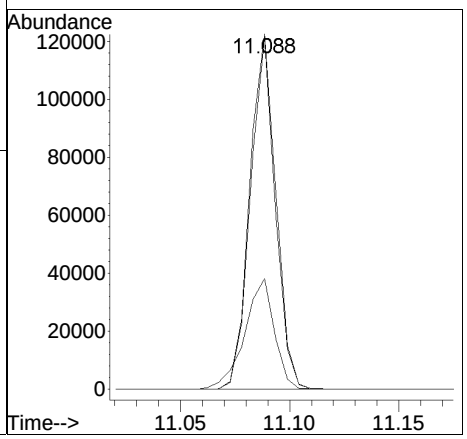


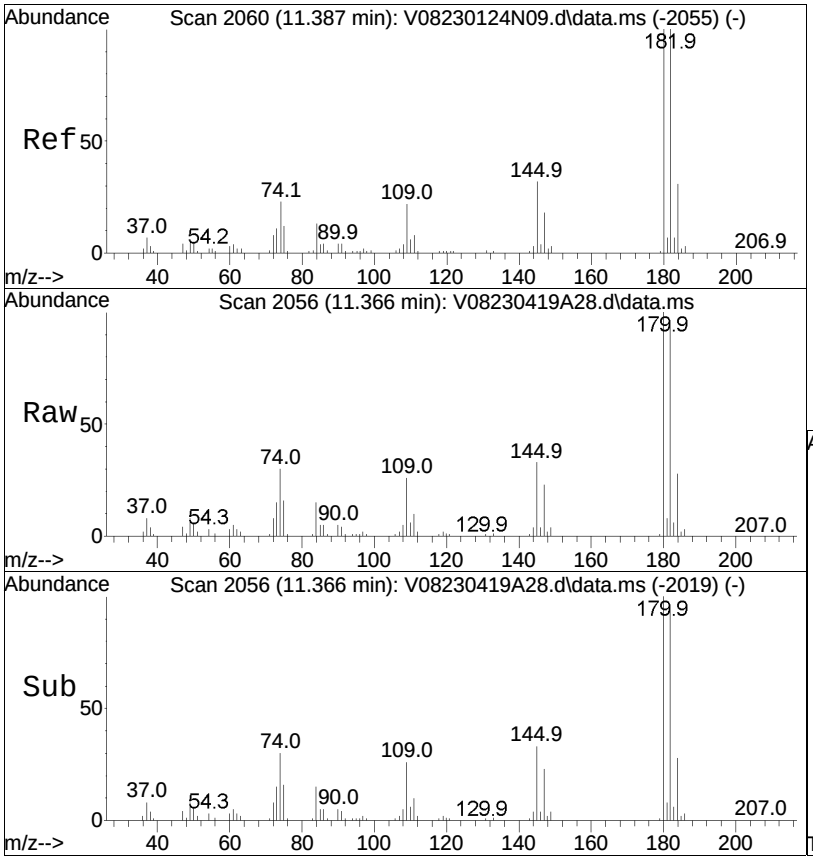



#109
1,2,4-Trichlorobenzene
Concen: 9.13 ug/L
RT: 11.088 min Scan# 2003
Delta R.T. -0.001 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:180 Resp: 101944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 77.3 | 115.9 |
| 145 | 35.5 | 28.1 | 42.1 |

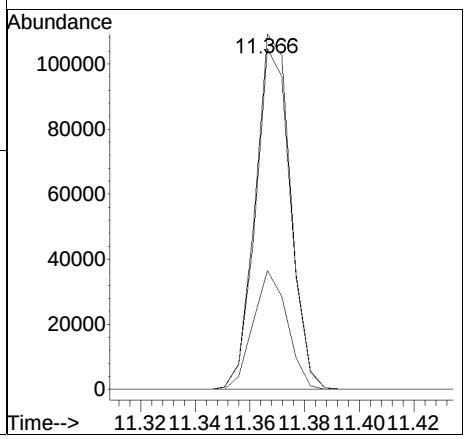





#111
1,2,3-Trichlorobenzene
Concen: 9.56 ug/L
RT: 11.366 min Scan# 2056
Delta R.T. -0.006 min
Lab File: V08230419A28.d
Acq: 19 Apr 2023 5:40 pm

Tgt Ion:180 Resp: 97906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 76.4 | 114.6 |
| 145 | 32.3 | 26.4 | 39.6 |



# 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)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 24 2023, 04:59 pm

Work Group: WG1769022  for Department: 31 GC/MS - Volatiles

Created: 20-APR-23  Due:  Operator: mjv

| Sample | Client ID | C | Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|---|---|---|---|---|---|---|---|---|---|---|
| L2319240-01 | MW-7D | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-02 | MW-7S | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-03 | MW-8S | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-04 | MW-6D' | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-05 | MW-6D | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-06 | MW-6S | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-07 | MW-4S | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-08 | DUP04112023 | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| L2319240-09 | TB04112023 | S | NYTCL-8260-R2 | WATER | DONE | U | 0425 | 0425 | S0 | Vial-B |
| WG1769022-1 | MS BFB Tune Standard | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-2 | Continuing Calibrati | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-3 | Laboratory Control S | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-4 | LCS Duplicate | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-5 | Laboratory Method Bl | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-6 | Matrix Spike | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1769022-7 | Matrix Spike Duplica | S | NYTCL-8260-R2 | WATER | DONE | U | | | | |

Comments:

| | |
|---|---|
| WG1769022-4 | WG1769022-3 |
| WG1769022-6 | L2319240-05 |
| WG1769022-7 | L2319240-05 |

Inst: VOA108 BFB: V9622 Method GC: 8260-ATOMX

Initials: LAC IS/SS: V9617 Autosampler: 8260

Date **04/05/23** ICAL: V9616B,V9626 Concentrator: 8260

Run **N** ICV: V9598,V9628,V9630,V9602,V9601,V9629 QC: Seq:

| Vial | DATAFILE | SAMPLE | pH<2 |
|---|---|---|---|
| 1 | V08230405NBF1 | BFB TUNE | |
| 1 | V08230405NBF2 | BFB TUNE | |
| 2 | V08230405NBF3 | BFB TUNE | |
| 3 | V08230405NBF4 | BFB TUNE | |
| 4 | V08230405N01 | BLK | |
| 5 | V08230405N02 | BLK | |
| 6 | V08230405N03 | I8260STD0.19PPB | |
| 7 | V08230405N04 | I8260STD0.19PPB | |
| 8 | V08230405N05 | I8260STD0.5PPB | |
| 9 | V08230405N06 | I8260STD0.5PPB | |
| 10 | V08230405N07 | I8260STD2PPB | |
| 11 | V08230405N08 | I8260STD2PPB | |
| 12 | V08230405N09 | I8260STD10PPB | |
| 13 | V08230405N10 | I8260STD30PPB | |
| 14 | V08230405N11 | I8260STD80PPB | |
| 15 | V08230405N12 | I8260STD120PPB | |
| 16 | V08230405N13 | I8260STD200PPB | |
| 17 | V08230405N14 | BLK | |
| 18 | V08230405N15 | BLK | |
| 19 | V08230405N16 | BLK | |
| 20 | V08230405N17 | BLK | |
| 21 | V08230405N18 | BLK | |
| 22 | V08230405N19 | C8260STD10PPB | |
| 23 | V08230405N20 | C8260STD10PPB | |
| 24 | V08230405N21 | BLK | |
| 25 | V08230405N22 | METHOD BLK | |
| 26 | V08230405N23 | MDL L11 | |
| 27 | V08230405N24 | MDL L1 | |
| 28 | V08230405N25 | MDL L2 | |
| 29 | V08230405N26 | BLK | |

Inst: VOA108 BFB: V9622 Method GC: 8260-ATOMX
Initials: PID IS/SS: V9642 Autosampler: 8260
Date **04/19/23** ICAL: V9643A,V9644 Concentrator: 8260
Run **A** QC: Seq:

| Vial | DATAFILE | SAMPLE | | | pH<2 |
|---|---|---|---|---|---|
| 1 | V08230419ABF1 | BFB TUNE 08:03 | | | |
| 1 | V08230419A01 | 8260 CCAL LCS | | | |
| 2 | V08230419A02 | 8260 CCAL LCSD | | | |
| 3 | V08230419A03 | 8260 CCAL | | | |
| 4 | V08230419A04 | BLK | | | |
| 5 | V08230419A05 | METHOD BLK | | | |
| 6 | V08230419A06 | L2319240-09,31,10,10,,A | NY/R2 | TB | pH<2 |
| 7 | V08230419A07 | L2319240-01,31,10,10,,A | NY/R2 | | pH<2 |
| 8 | V08230419A08 | L2319240-02,31,10,10,,A | NY/R2 | | pH<2 |
| 9 | V08230419A09 | L2319240-03,31,10,10,,A | NY/R2 | | pH<2 |
| 10 | V08230419A10 | L2319240-04,31,10,10,,A | NY/R2 | | pH<2 |
| 11 | V08230419A11 | L2319240-05D,31,0.25,10,,A | NY/R2 | | pH<2 |
| 12 | V08230419A12 | L2319240-06D,31,0.5,10,,A | NY/R2 | | pH<2 |
| 13 | V08230419A13 | L2319240-07D,31,0.2,10,,A | NY/R2 | | pH<2 |
| 14 | V08230419A14 | L2319240-08,31,10,10,,A | NY/R2 | | pH<2 |
| 15 | V08230419A15 | L2320065-01,31,10,10,,A | NJ-3/15 | | pH<2 |
| 16 | V08230419A16 | L2320065-02,31,10,10,,A | NJ-3/15 | | pH<2 |
| 17 | V08230419A17 | L2320065-03,31,10,10,,A | NJ-3/15 | FB | pH<2 |
| 18 | V08230419A18 | L2320065-04,31,10,10,,A | NJ-3/15 | TB | pH<2 |
| 19 | V08230419A19 | L2320066-02,31,10,10,,A | NJ/15 | FB | pH<2 |
| 20 | V08230419A20 | L2320066-03,31,10,10,,A | NJ/15 | TB | pH<2 |
| 21 | V08230419A21 | L2320066-01,31,10,10,,A | NJ/15 | | pH<2 |
| 22 | V08230419A22 | DSTD | | | |
| 23 | V08230419A23 | L2320027-10,31,10,10,,A | 8260NH | TB | pH<2 |
| 24 | V08230419A24 | L2319679-01,31,10,10,,A | 8260NH | | pH<2 |
| 25 | V08230419A25 | L2319679-02,31,10,10,,A | 8260NH | | pH<2 |
| 26 | V08230419A26 | L2319679-03,31,10,10,,A | 8260NH | | pH<2 |
| 27 | V08230419A27 | L2319240-05MS,31,0.25,10,,A | NY/R2 | | pH<2 |
| 28 | V08230419A28 | L2319240-05MSD,31,0.25,10,,A | NY/R2 | | pH<2 |
| 29 | V08230419A29 | HSTD | | | |
| 30 | V08230419A30 | BLK | | | |
| 31 | V08230419A31 | BLK | | | |

# GCMS Extractables 1,4-Dioxane By SIM

# Semivolatiles QC Summary

# Surrogate Recovery Summary
# Form 2
# Semivolatiles

**Client: Sterling Environmental Engineering**
**Project Name: TROY BELTING**

**Lab Number: L2319240**
**Project Number: 2011-31 TASK 911**
**Matrix: Water**

| CLIENT ID (LAB SAMPLE NO.) | S1 () | S2 () | S3 () | S4 () | S5 () | S6 () | TOT OUT |
|---|---|---|---|---|---|---|---|
| MW-7D (L2319240-01) | 44 | -- | -- | -- | -- | -- | 0 |
| MW-7S (L2319240-02) | 44 | -- | -- | -- | -- | -- | 0 |
| MW-8S (L2319240-03) | 38 | -- | -- | -- | -- | -- | 0 |
| MW-6D' (L2319240-04) | 43 | -- | -- | -- | -- | -- | 0 |
| MW-6D (L2319240-05) | 42 | -- | -- | -- | -- | -- | 0 |
| MW-6S (L2319240-06) | 42 | -- | -- | -- | -- | -- | 0 |
| MW-4S (L2319240-07) | 35 | -- | -- | -- | -- | -- | 0 |
| DUP04112023 (L2319240-08) | 33 | -- | -- | -- | -- | -- | 0 |
| WG1767229-1BLANK | 42 | -- | -- | -- | -- | -- | 0 |
| WG1767229-2LCS | 38 | -- | -- | -- | -- | -- | 0 |
| WG1767229-3LCSD | 41 | -- | -- | -- | -- | -- | 0 |
| WG1767657-1BLANK | 53 | -- | -- | -- | -- | -- | 0 |
| WG1767657-2LCS | 44 | -- | -- | -- | -- | -- | 0 |
| WG1767657-3LCSD | 50 | -- | -- | -- | -- | -- | 0 |
| MW-6DMS | 42 | -- | -- | -- | -- | -- | 0 |
| MW-6DMSD | 42 | -- | -- | -- | -- | -- | 0 |

**QC LIMITS**
**(15-110) S1 = 1,4-DIOXANE-D8**

*** Values outside of QC limits**

**FORM II A2-1,4-DIOXANE-SIM**

# Laboratory Control Sample Summary
# Form 3
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Matrix (Level)** | : WATER (LOW) | | |
| **LCS Sample ID** | : WG1767229-2 **Analysis Date** : 04/19/23 07:56 | **File ID** | : F2204192304 |
| **LCSD Sample ID** | : WG1767229-3 **Analysis Date** : 04/19/23 08:17 | **File ID** | : F2204192305 |

| | Laboratory Control Sample | | | Laboratory Control Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **True (ng/l)** | **Found (ng/l)** | **%R** | **True (ng/l)** | **Found (ng/l)** | **%R** | **RPD** | **Recovery Limits** | **RPD Limit** |
| 1,4-Dioxane | 5000 | 5720 | 114 | 5000 | 5760 | 115 | 1 | 40-140 | 30 |

# Laboratory Control Sample Summary
# Form 3
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Matrix (Level)** | : WATER (LOW) | | |
| **LCS Sample ID** | : WG1767657-2 **Analysis Date** : 04/18/23 07:24 | **File ID** | : F2204182305 |
| **LCSD Sample ID** | : WG1767657-3 **Analysis Date** : 04/18/23 07:44 | **File ID** | : F2204182306 |

| | Laboratory Control Sample | | | Laboratory Control Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | True (ng/l) | Found (ng/l) | %R | True (ng/l) | Found (ng/l) | %R | RPD | Recovery Limits | RPD Limit |
| 1,4-Dioxane | 5000 | 5650 | 113 | 5000 | 5620 | 112 | 1 | 40-140 | 30 |

# Matrix Spike Sample Summary
# Form 3
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Client Sample ID** | : MW-6D | **Matrix (Level)** | : WATER (LOW) |
| **Lab Sample ID** | : L2319240-05 | **Analysis Date** | : 04/18/23 22:20 |
| **Matrix Spike** | : WG1767657-4 | **MS Analysis Date** | : 04/18/23 22:41 |
| **Matrix Spike Dup** | : WG1767657-5 | **MSD Analysis Date** | : 04/18/23 23:02 |

| | | Matrix Spike Sample | | | Matrix Spike Duplicate | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample Conc. (ng/l) | Spike Added (ng/l) | Spike Conc. (ng/l) | %R | Spike Added (ng/l) | Spike Conc. (ng/l) | %R | RPD | Recovery Limits | RPD Limit |
| 1,4-Dioxane | 18200 | 4630 | 21700 | 76 | 4810 | 22700 | 94 | 5 | 40-140 | 30 |

# Method Blank Summary
# Form 4
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab Sample ID** | : WG1767657-1 | **Lab File ID** | : F2204182304 |
| **Instrument ID** | : PAH22 | **Extraction Date** | : 04/17/23 |
| **Matrix** | : WATER | **Analysis Date** | : 04/18/23 07:03 |
| **Level** | : LOW | | |

| Client Sample No. | Lab Sample ID | Analysis Date |
|---|---|---|
| WG1767657-2LCS | WG1767657-2 | 04/18/23 07:24 |
| WG1767657-3LCSD | WG1767657-3 | 04/18/23 07:44 |
| MW-7D | L2319240-01 | 04/18/23 20:57 |
| MW-7S | L2319240-02 | 04/18/23 21:18 |
| MW-8S | L2319240-03 | 04/18/23 21:39 |
| MW-6D' | L2319240-04 | 04/18/23 22:00 |
| MW-6D | L2319240-05 | 04/18/23 22:20 |
| MW-6DMS | WG1767657-4 | 04/18/23 22:41 |
| MW-6DMSD | WG1767657-5 | 04/18/23 23:02 |
| MW-6S | L2319240-06 | 04/18/23 23:22 |

# Method Blank Summary
# Form 4
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab Sample ID** | : WG1767229-1 | **Lab File ID** | : F2204192303 |
| **Instrument ID** | : PAH22 | **Extraction Date** | : 04/15/23 |
| **Matrix** | : WATER | **Analysis Date** | : 04/19/23 07:36 |
| **Level** | : LOW | | |

| Client Sample No. | Lab Sample ID | Analysis Date |
|---|---|---|
| WG1767229-2LCS | WG1767229-2 | 04/19/23 07:56 |
| WG1767229-3LCSD | WG1767229-3 | 04/19/23 08:17 |
| MW-4S | L2319240-07 | 04/19/23 12:09 |
| DUP04112023 | L2319240-08 | 04/19/23 12:30 |

# Instrument Performance Check (Tune) Summary
# Form 5
# Semivolatiles
# Decafluorotriphenylphosphine (DFTPP)

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 03/07/23 12:35 |
| **Tune Standard** | : R1670249-9 | **Tune File ID** | : F2203072301_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 51 | 10.0 - 80.0% of Base Peak | 40 |
| 68 | Less than 2.0% of mass 69 | 0.6 (1.7 )1 |
| 70 | Less than 2.0% of mass 69 | 0.2 (.4 )1 |
| 127 | 10.0 - 80.0% of Base Peak | 52 |
| 197 | Less than 2.0% of mass 198 | 0.6 |
| 198 | Base Peak, or >50% of mass 442 | 100 |
| 199 | 5.0 - 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 60.0% of Base Peak | 23.2 |
| 365 | Greater than 1.0% of mass 198 | 2.7 |
| 441 | Present, but less than 24% of mass 442 | 15 |
| 442 | Base Peak, or >50% of mass 198 | 84.3 |
| 443 | 15.0 - 24.0% of mass 442 | 15.9 (18.9)2 |

1-Value is % of mass 69 2-Value is % of mass 442

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|---|---|---|---|
| STD 10 | R1670249-3 | F2203072302 | 03/07/23 13:21 |
| STD 50 | R1670249-2 | F2203072303 | 03/07/23 13:50 |
| STD 100 | R1670249-4 | F2203072304 | 03/07/23 14:19 |
| STD 500 | R1670249-5 | F2203072305 | 03/07/23 14:49 |
| STD 1000 | R1670249-1 | F2203072306 | 03/07/23 15:14 |
| STD 5000 | R1670249-6 | F2203072307 | 03/07/23 15:42 |
| STD 10000 | R1670249-7 | F2203072308 | 03/07/23 16:11 |
| ICV QUANT REPORT | R1670249-8 | F2203072309 | 03/07/23 16:41 |

# Instrument Performance Check (Tune) Summary
# Form 5
# Semivolatiles
# Decafluorotriphenylphosphine (DFTPP)

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/18/23 05:46 |
| **Tune Standard** | : WG1767955-1 | **Tune File ID** | : F2204182301_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 51 | 10.0 - 80.0% of Base Peak | 33.2 |
| 68 | Less than 2.0% of mass 69 | 0.7 (2 )1 |
| 70 | Less than 2.0% of mass 69 | 0.2 (.7 )1 |
| 127 | 10.0 - 80.0% of Base Peak | 48.7 |
| 197 | Less than 2.0% of mass 198 | 0 |
| 198 | Base Peak, or >50% of mass 442 | 100 |
| 199 | 5.0 - 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 60.0% of Base Peak | 25.9 |
| 365 | Greater than 1.0% of mass 198 | 2.9 |
| 441 | Present, but less than 24% of mass 442 | 15.4 |
| 442 | Base Peak, or >50% of mass 198 | 99.4 |
| 443 | 15.0 - 24.0% of mass 442 | 19.6 (19.7)2 |

1-Value is % of mass 69 2-Value is % of mass 442

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|---|---|---|---|
| WG1767955-2CCAL | WG1767955-2 | F2204182302 | 04/18/23 06:18 |
| WG1767657-1BLANK | WG1767657-1 | F2204182304 | 04/18/23 07:03 |
| WG1767657-2LCS | WG1767657-2 | F2204182305 | 04/18/23 07:24 |
| WG1767657-3LCSD | WG1767657-3 | F2204182306 | 04/18/23 07:44 |

# Instrument Performance Check (Tune) Summary
# Form 5
# Semivolatiles
# Decafluorotriphenylphosphine (DFTPP)

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/18/23 15:09 |
| **Tune Standard** | : WG1767955-3 | **Tune File ID** | : F2204182327_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 51 | 10.0 - 80.0% of Base Peak | 34.3 |
| 68 | Less than 2.0% of mass 69 | 0.6 (1.8 )1 |
| 70 | Less than 2.0% of mass 69 | 0.2 (.6 )1 |
| 127 | 10.0 - 80.0% of Base Peak | 48.8 |
| 197 | Less than 2.0% of mass 198 | 0 |
| 198 | Base Peak, or >50% of mass 442 | 100 |
| 199 | 5.0 - 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 60.0% of Base Peak | 25.7 |
| 365 | Greater than 1.0% of mass 198 | 2.8 |
| 441 | Present, but less than 24% of mass 442 | 15.4 |
| 442 | Base Peak, or >50% of mass 198 | 98.8 |
| 443 | 15.0 - 24.0% of mass 442 | 19.6 (19.8)2 |

1-Value is % of mass 69 2-Value is % of mass 442

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|---|---|---|---|
| WG1767955-4CCAL | WG1767955-4 | F2204182328 | 04/18/23 15:42 |
| MW-7D | L2319240-01 | F2204182343 | 04/18/23 20:57 |
| MW-7S | L2319240-02 | F2204182344 | 04/18/23 21:18 |
| MW-8S | L2319240-03 | F2204182345 | 04/18/23 21:39 |
| MW-6D' | L2319240-04 | F2204182346 | 04/18/23 22:00 |
| MW-6D | L2319240-05 | F2204182347 | 04/18/23 22:20 |
| WG1767657-4MS | WG1767657-4 | F2204182348 | 04/18/23 22:41 |
| WG1767657-5MSD | WG1767657-5 | F2204182349 | 04/18/23 23:02 |
| MW-6S | L2319240-06 | F2204182350 | 04/18/23 23:22 |

# Instrument Performance Check (Tune) Summary
# Form 5
# Semivolatiles
# Decafluorotriphenylphosphine (DFTPP)

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/19/23 06:42 |
| **Tune Standard** | : WG1768413-1 | **Tune File ID** | : F2204192301_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|---|---|---|
| 51 | 10.0 - 80.0% of Base Peak | 34.3 |
| 68 | Less than 2.0% of mass 69 | 0.6 (1.8 )1 |
| 70 | Less than 2.0% of mass 69 | 0.2 (.5 )1 |
| 127 | 10.0 - 80.0% of Base Peak | 49.2 |
| 197 | Less than 2.0% of mass 198 | 0 |
| 198 | Base Peak, or >50% of mass 442 | 100 |
| 199 | 5.0 - 9.0% of mass 198 | 6.9 |
| 275 | 10.0 - 60.0% of Base Peak | 25.7 |
| 365 | Greater than 1.0% of mass 198 | 2.8 |
| 441 | Present, but less than 24% of mass 442 | 15.2 |
| 442 | Base Peak, or >50% of mass 198 | 97.4 |
| 443 | 15.0 - 24.0% of mass 442 | 19.3 (19.8)2 |

1-Value is % of mass 69 2-Value is % of mass 442

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|---|---|---|---|
| WG1768413-2CCAL | WG1768413-2 | F2204192302 | 04/19/23 07:14 |
| WG1767229-1BLANK | WG1767229-1 | F2204192303 | 04/19/23 07:36 |
| WG1767229-2LCS | WG1767229-2 | F2204192304 | 04/19/23 07:56 |
| WG1767229-3LCSD | WG1767229-3 | F2204192305 | 04/19/23 08:17 |
| MW-4S | L2319240-07 | F2204192316 | 04/19/23 12:09 |
| DUP04112023 | L2319240-08 | F2204192317 | 04/19/23 12:30 |

# Internal Standard Area and RT Summary
# Form 8a
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/18/23 06:18:00 |
| **Sample No** | : WG1767955-2 | **Lab File ID** | : F2204182302 |

| | 1,4-Dichlorobenzene-d4 | | | | | |
|---|---|---|---|---|---|---|
| | Area | RT | Area | RT | Area | RT |
| WG1767955-2 | 329338 | 8.00 | | | | |
| Upper Limit | 658676 | 8.50 | | | | |
| Lower Limit | 164669 | 7.50 | | | | |
| **Sample ID** | | | | | | |
| WG1767657-1 BLANK | 304902 | 8.00 | | | | |
| WG1767657-2 LCS | 309143 | 8.00 | | | | |
| WG1767657-3 LCSD | 321102 | 8.00 | | | | |

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

# Internal Standard Area and RT Summary
# Form 8a
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/18/23 15:42:00 |
| **Sample No** | : WG1767955-4 | **Lab File ID** | : F2204182328 |

| | 1,4-Dichlorobenzene-d4 | | | | | |
|---|---|---|---|---|---|---|
| | Area | RT | Area | RT | Area | RT |
| WG1767955-4 | 322612 | 8.00 | | | | |
| Upper Limit | 645224 | 8.50 | | | | |
| Lower Limit | 161306 | 7.50 | | | | |
| Sample ID | | | | | | |
| MW-7D | 345401 | 8.00 | | | | |
| MW-7S | 341613 | 8.01 | | | | |
| MW-8S | 344498 | 8.01 | | | | |
| MW-6D' | 360530 | 8.01 | | | | |
| MW-6D | 350561 | 8.01 | | | | |
| MW-6D MS | 328139 | 8.01 | | | | |
| MW-6D MSD | 344475 | 8.01 | | | | |
| MW-6S | 333928 | 8.01 | | | | |

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

# Internal Standard Area and RT Summary
# Form 8a
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Instrument ID** | : PAH22 | **Analysis Date** | : 04/19/23 07:14:00 |
| **Sample No** | : WG1768413-2 | **Lab File ID** | : F2204192302 |

| | 1,4-Dichlorobenzene-d4 | | | | | |
|---|---|---|---|---|---|---|
| | Area | RT | Area | RT | Area | RT |
| WG1768413-2 | 327750 | 8.01 | | | | |
| Upper Limit | 655500 | 8.51 | | | | |
| Lower Limit | 163875 | 7.51 | | | | |
| **Sample ID** | | | | | | |
| WG1767229-1 BLANK | 354732 | 8.01 | | | | |
| WG1767229-2 LCS | 369074 | 8.01 | | | | |
| WG1767229-3 LCSD | 354391 | 8.01 | | | | |
| MW-4S | 373163 | 8.01 | | | | |
| DUP04112023 | 369761 | 8.01 | | | | |

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:** 03/21/22
**Created By:** Jason Hebert
**File:** PM12115-1
**Page:** 1

**1,4 Dioxane via EPA 8270D-SIM (WATER)**

**Holding Time:** 7 days
**Container/Sample Preservation:** 2 - Amber 250ml unpreserved

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 123-91-1 | 150 | 33.9 | ng/l | 40-140 | 30 | 40-140 | 30 | 30 | | | |
| *1,4-Dioxane-d8* | *17647-74-4* | | | | | | | | | *15-110* | | |
| 1,4-Dioxane-d8 (IS) | 17647-74-4 | | | ng/l | | | | | | | | |

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

**Date Created:** 03/21/22
**Created By:** Jason Hebert
**File:** PM12118-1
**Page:** 1

## 1,4 Dioxane via EPA 8270D-SIM (SOIL)

**Holding Time:** 14 days
**Container/Sample Preservation:** 1 - Glass 250ml/8oz unpreserved

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,4-Dioxane | 123-91-1 | 8 | 2.04 | ug/kg | 40-140 | 30 | 40-140 | 30 | 30 | | | |
| *1,4-Dioxane-d8* | *17647-74-4* | | | | | | | | | *15-110* | | |
| 1,4-Dioxane-d8 (IS) | 17647-74-4 | | | ug/kg | | | | | | | | |

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

# Semivolatile Sample Data

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-01 | **Date Collected** | : 04/11/23 08:35 |
| **Client ID** | : MW-7D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 20:57 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182343 | **Analyst** | : TPR |
| **Sample Amount** | : 250 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 33.9 | U |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-02 | **Date Collected** | : 04/11/23 09:30 |
| **Client ID** | : MW-7S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 21:18 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182344 | **Analyst** | : TPR |
| **Sample Amount** | : 270 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | ND | 139 | 31.4 | U |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-03 | **Date Collected** | : 04/11/23 10:30 |
| **Client ID** | : MW-8S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 21:39 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182345 | **Analyst** | : TPR |
| **Sample Amount** | : 260 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | 3500 | 144 | 32.6 | |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-04 | **Date Collected** | : 04/11/23 12:10 |
| **Client ID** | : MW-6D' | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 22:00 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182346 | **Analyst** | : TPR |
| **Sample Amount** | : 270 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | 415. | 139 | 31.4 | |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-05 | **Date Collected** | : 04/11/23 13:50 |
| **Client ID** | : MW-6D | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 22:20 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182347 | **Analyst** | : TPR |
| **Sample Amount** | : 270 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | 18200 | 139 | 31.4 | |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-06 | **Date Collected** | : 04/11/23 13:00 |
| **Client ID** | : MW-6S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/18/23 23:22 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182350 | **Analyst** | : TPR |
| **Sample Amount** | : 260 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | 20000 | 144 | 32.6 | |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-07 | **Date Collected** | : 04/11/23 14:45 |
| **Client ID** | : MW-4S | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:09 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/15/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204192316 | **Analyst** | : TPR |
| **Sample Amount** | : 270 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | 20900 | 139 | 31.4 | |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : L2319240-08 | **Date Collected** | : 04/11/23 00:00 |
| **Client ID** | : DUP04112023 | **Date Received** | : 04/11/23 |
| **Sample Location** | : COLONIE, NY | **Date Analyzed** | : 04/19/23 12:30 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/15/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204192317 | **Analyst** | : TPR |
| **Sample Amount** | : 245 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | ND | 153 | 34.6 | U |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : WG1767229-1 | **Date Collected** | : NA |
| **Client ID** | : WG1767229-1BLANK | **Date Received** | : NA |
| **Sample Location** | : | **Date Analyzed** | : 04/19/23 07:36 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/15/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204192303 | **Analyst** | : TPR |
| **Sample Amount** | : 250 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 33.9 | U |

# Results Summary
# Form 1
# 1,4 Dioxane by 8270E-SIM

| | | | |
|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 |
| **Lab ID** | : WG1767657-1 | **Date Collected** | : NA |
| **Client ID** | : WG1767657-1BLANK | **Date Received** | : NA |
| **Sample Location** | : | **Date Analyzed** | : 04/18/23 07:03 |
| **Sample Matrix** | : WATER | **Date Extracted** | : 04/17/23 |
| **Analytical Method** | : 1,8270E-SIM | **Dilution Factor** | : 1 |
| **Lab File ID** | : F2204182304 | **Analyst** | : TPR |
| **Sample Amount** | : 250 ml | **Instrument ID** | : PAH22 |
| **Extraction Method** | : EPA 3510C | **GC Column** | : RTX-5 |
| **Extract Volume** | : 2500 uL | **%Solids** | : N/A |
| **GPC Cleanup** | : N | **Injection Volume** | : 1 uL |

| | | ng/l | | | |
|---|---|---|---|---|---|
| **CAS NO.** | **Parameter** | **Results** | **RL** | **MDL** | **Qualifier** |
| 123-91-1 | 1,4-Dioxane | ND | 150 | 33.9 | U |

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182343.D
Acq On : 18 Apr 2023 8:57 pm
Operator : PAH22:TPR
Sample : l2319240-01,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Apr 19 05:14:15 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.549 | 64 | 44353 | 500.000 | ng/mL | 0.03 |
| 3) 1,4-Dichlorobenzene-d4 | 8.003 | 152 | 345401 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.549 | 64 | 44353 | 219.394 | ng/mL | 0.03 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 43.88% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 0.000 | | 0 | N.D. | d | |

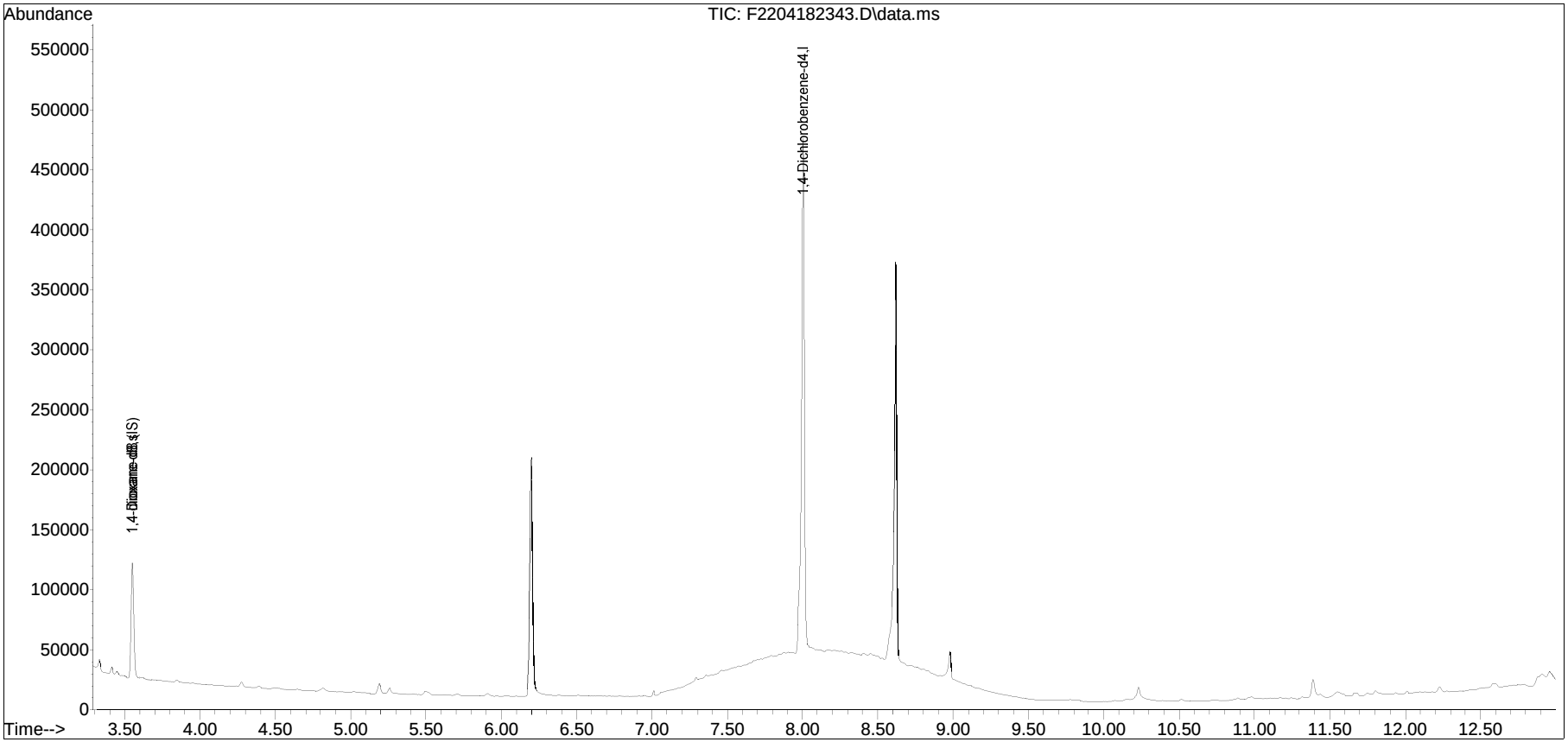
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182343.D
Acq On : 18 Apr 2023 8:57 pm
Operator : PAH22:TPR
Sample : l2319240-01,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Apr 19 05:14:15 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204182343.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/18/2023 8:57 pm | Instrument | : PAH22 |
| Sample | : l2319240-01,32,, | Quant Date | : 4/19/2023 4:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182344.D
Acq On : 18 Apr 2023 9:18 pm
Operator : PAH22:TPR
Sample : l2319240-02,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Apr 19 05:14:26 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.546 | 64 | 43610 | 500.000 | ng/mL | 0.03 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 341613 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.546 | 64 | 43610 | 218.110 | ng/mL | 0.03 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 43.62% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 0.000 | | 0 | N.D. | d | |

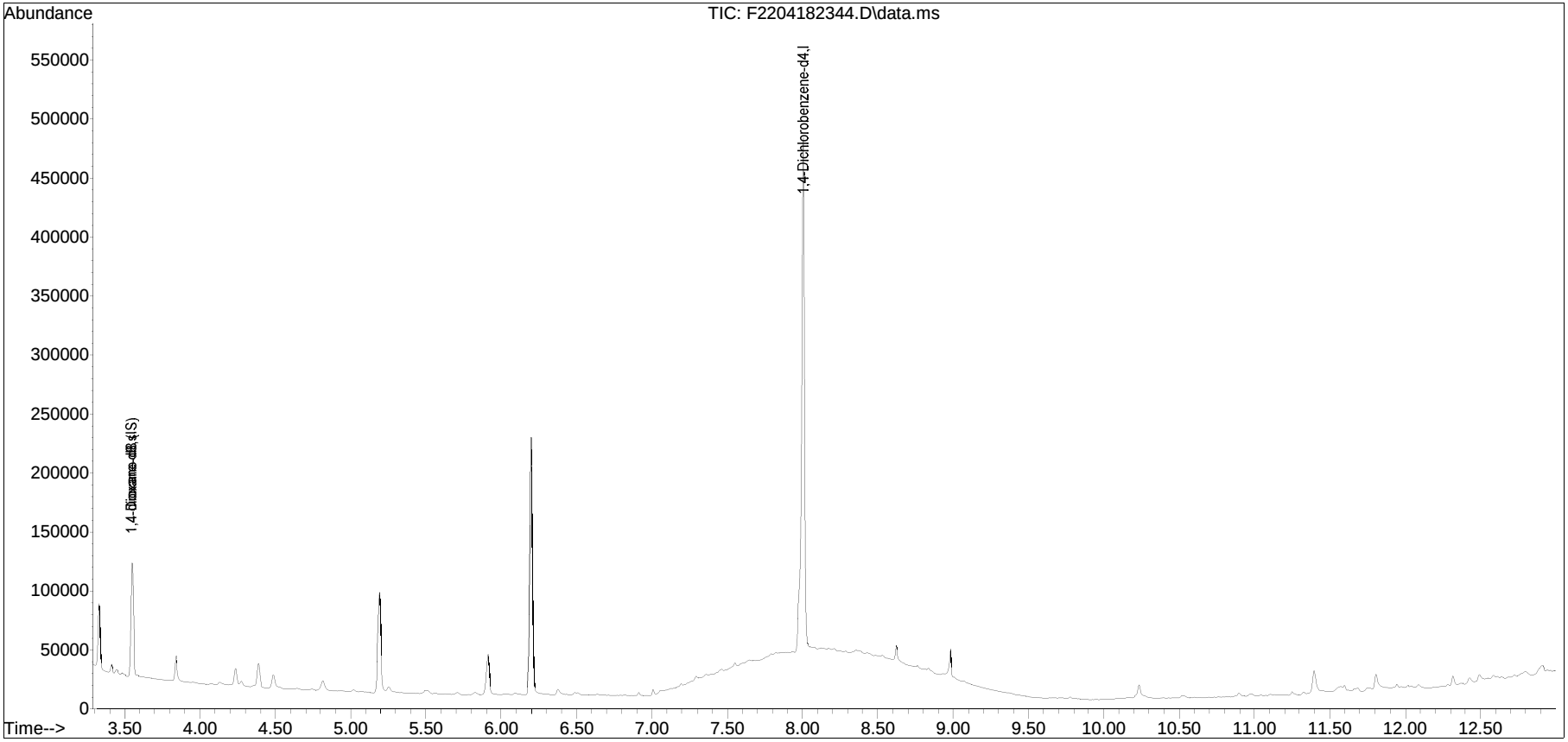
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182344.D
Acq On : 18 Apr 2023 9:18 pm
Operator : PAH22:TPR
Sample : l2319240-02,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Apr 19 05:14:26 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204182344.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/18/2023 9:18 pm | Instrument | : PAH22 |
| Sample | : l2319240-02,32,, | Quant Date | : 4/19/2023 4:51 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182345.D
Acq On : 18 Apr 2023 9:39 pm
Operator : PAH22:TPR
Sample : l2319240-03,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Apr 19 05:14:48 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.558 | 64 | 38602 | 500.000 | ng/mL | 0.04 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 344498 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.558 | 64 | 38602 | 191.447 | ng/mL | 0.04 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 38.29% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.602 | 88 | 35346M4 | 363.680 | ng/mL | |

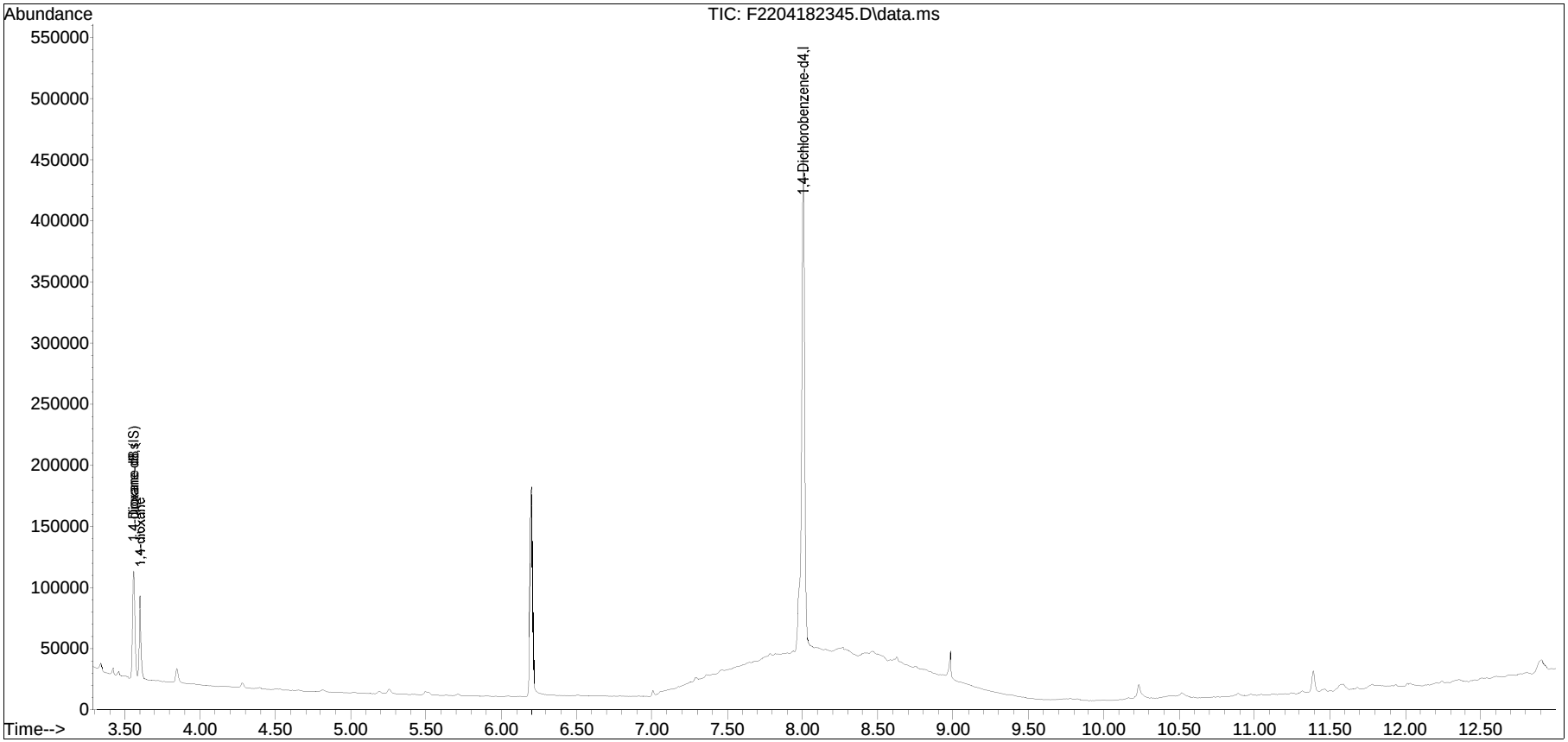
(#) = qualifier out of range (m) = manual integration (+) = signals summed

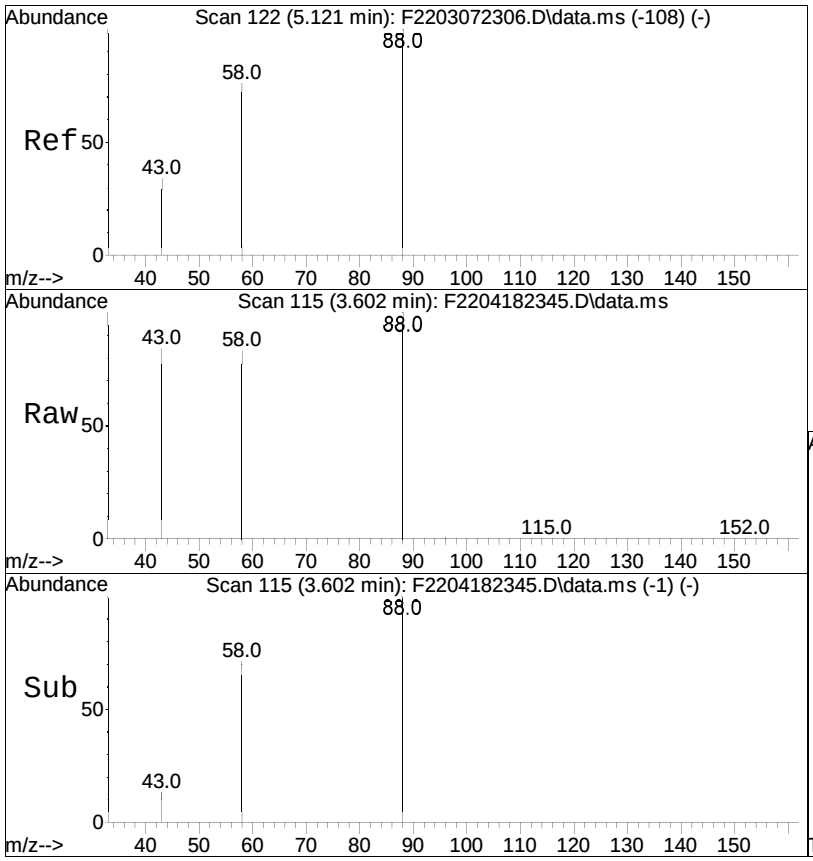
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182345.D
Acq On : 18 Apr 2023 9:39 pm
Operator : PAH22:TPR
Sample : l2319240-03,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Apr 19 05:14:48 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

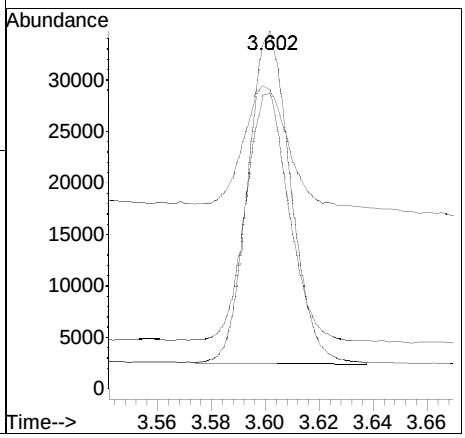





#2
1,4-dioxane
Concen: 363.68 ng/mL M4
RT: 3.602 min Scan# 115
Delta R.T. 0.039 min
Lab File: F2204182345.D
Acq: 18 Apr 2023 9:39 pm

Tgt Ion: 88 Resp: 35346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.2 | 59.4 | 89.0 |
| 43 | 36.4 | 24.6 | 36.8 |

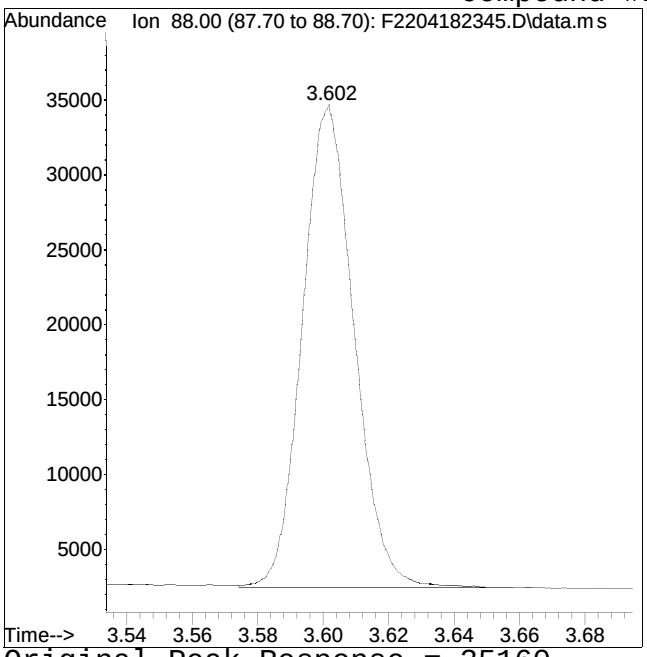


Manual Integration/Negative Proof Report

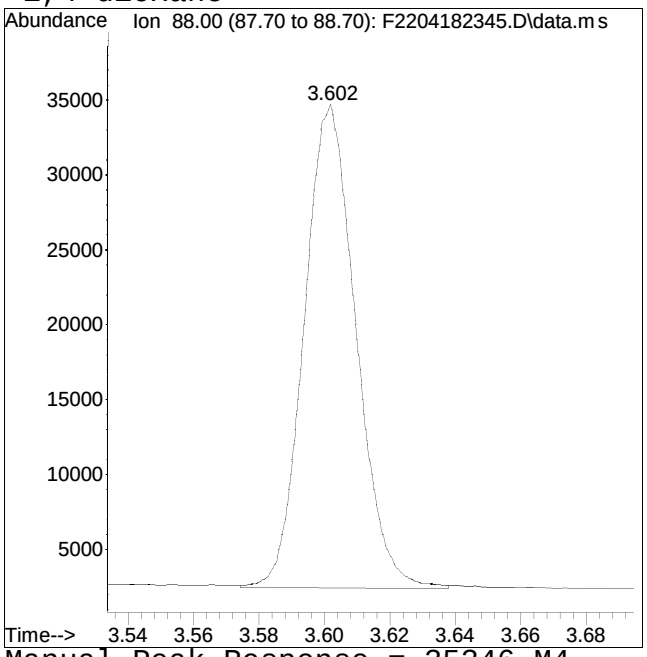
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182345.D
Date Inj'd : 4/18/2023 9:39 pm
Sample : l2319240-03,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:51 am

Compound #2: 1,4-dioxane




Original Peak Response = 35160




Manual Peak Response = 35346 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182346.D
Acq On : 18 Apr 2023 10:00 pm
Operator : PAH22:TPR
Sample : l2319240-04,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Apr 19 05:15:51 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.555 | 64 | 45217 | 500.000 | ng/mL | 0.04 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 360530 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.555 | 64 | 45217 | 214.282 | ng/mL | 0.04 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 42.86% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.602 | 88 | 5105M4 | 44.842 | ng/mL | |

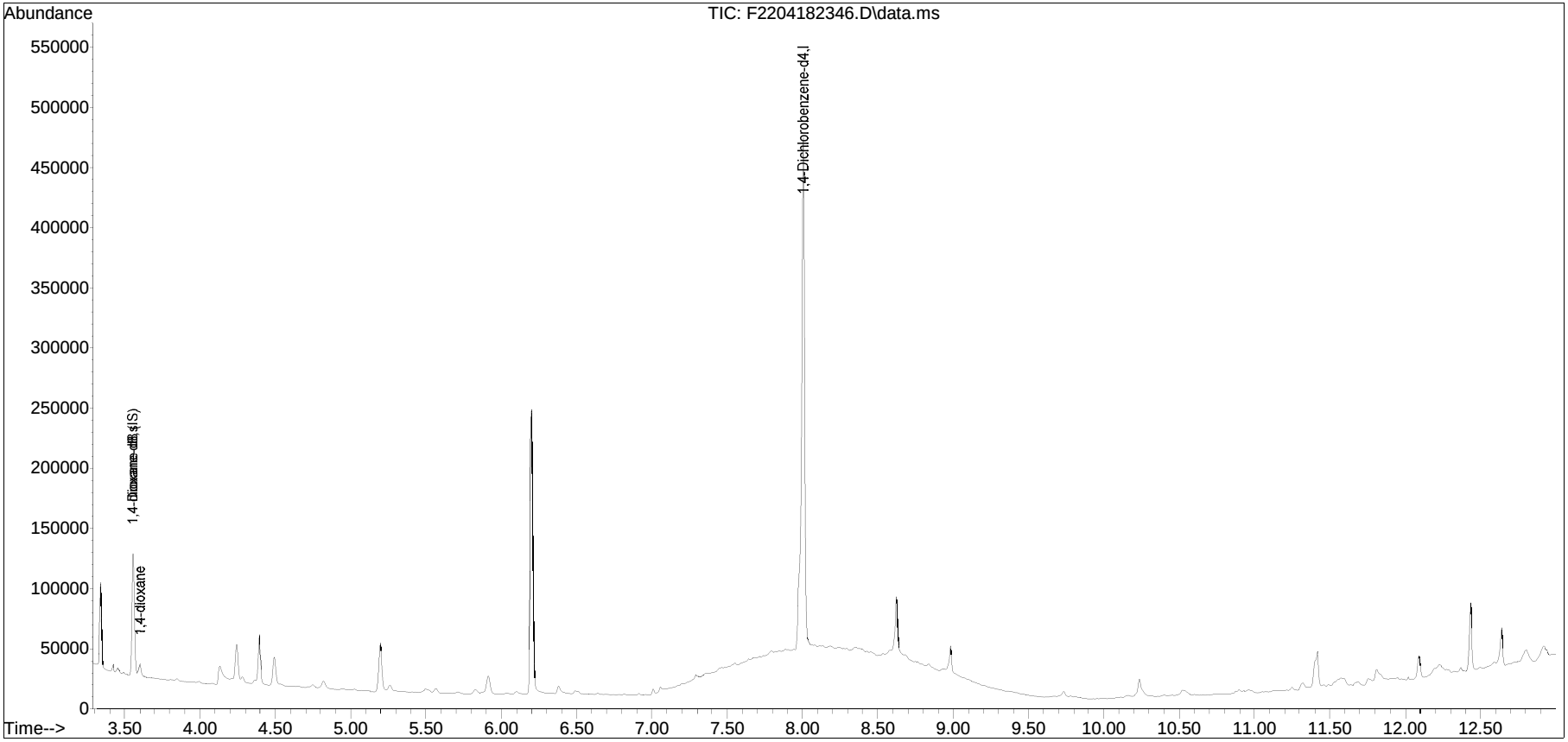
(#) = qualifier out of range (m) = manual integration (+) = signals summed

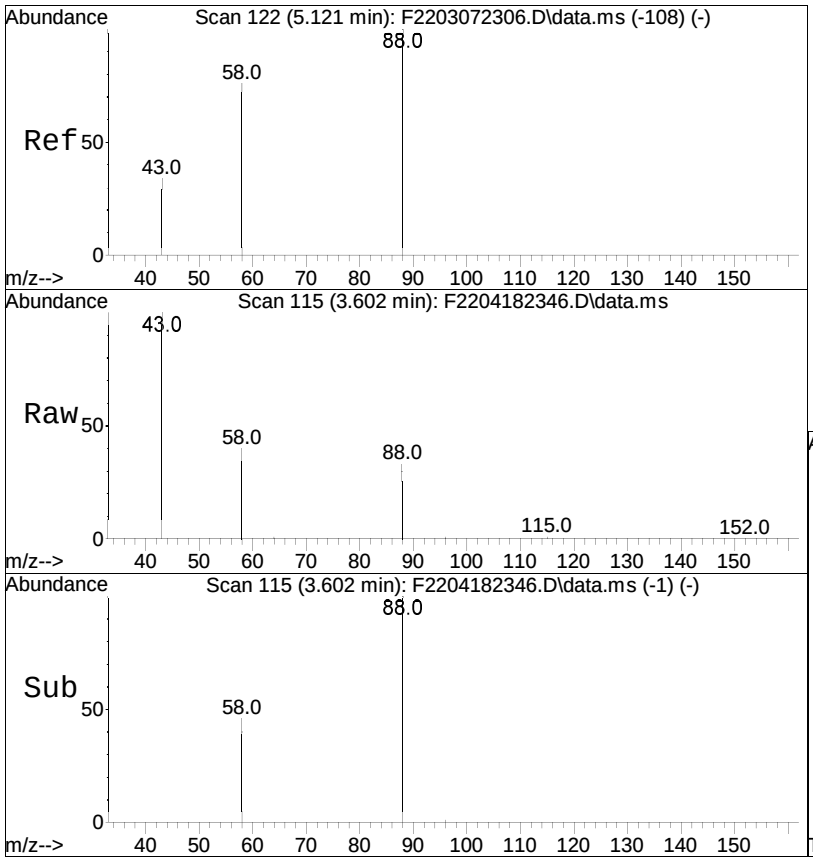
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182346.D
Acq On : 18 Apr 2023 10:00 pm
Operator : PAH22:TPR
Sample : l2319240-04,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Apr 19 05:15:51 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

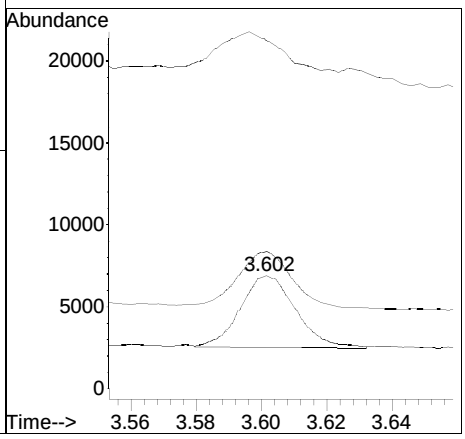





#2
1,4-dioxane
Concen: 44.84 ng/mL M4
RT: 3.602 min Scan# 115
Delta R.T. 0.039 min
Lab File: F2204182346.D
Acq: 18 Apr 2023 10:00 pm

Tgt Ion: 88 Resp: 5105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 84.6 | 59.4 | 89.0 |
| 43 | 33.8 | 24.6 | 36.8 |

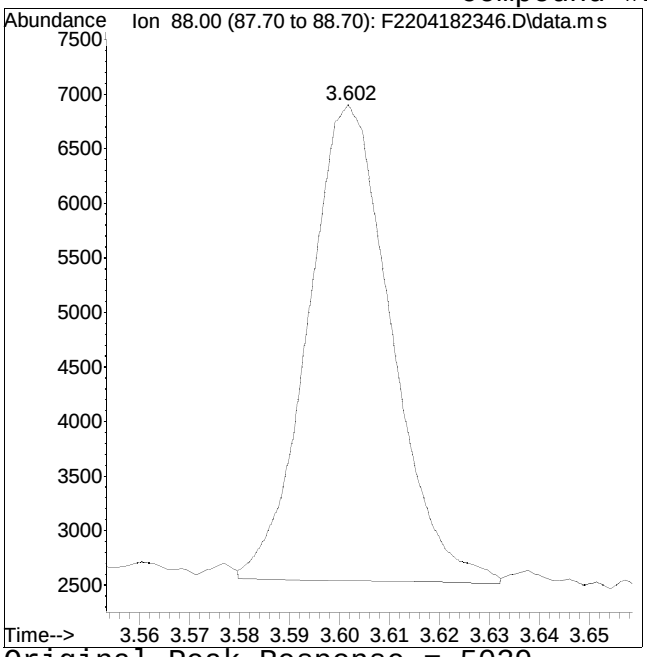


# Manual Integration/Negative Proof Report

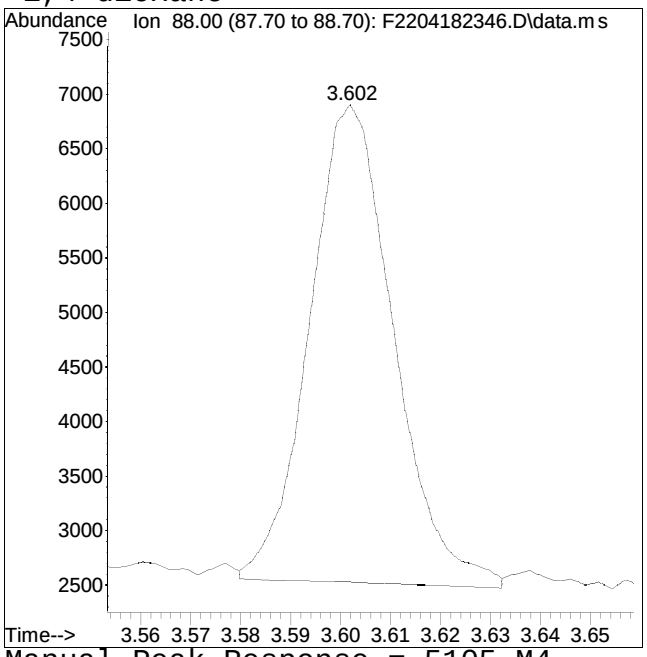
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182346.D
Date Inj'd : 4/18/2023 10:00 pm
Sample : l2319240-04,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:51 am

Compound #2: 1,4-dioxane




Original Peak Response = 5039




Manual Peak Response = 5105 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182347.D
Acq On : 18 Apr 2023 10:20 pm
Operator : PAH22:TPR
Sample : l2319240-05,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Apr 19 05:16:29 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.549 | 64 | 42993 | 500.000 | ng/mL | 0.03 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 350561 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.549 | 64 | 42993 | 209.536 | ng/mL | 0.03 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 41.91% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.591 | 88 | 212251M4 | 1960.836 | ng/mL | |

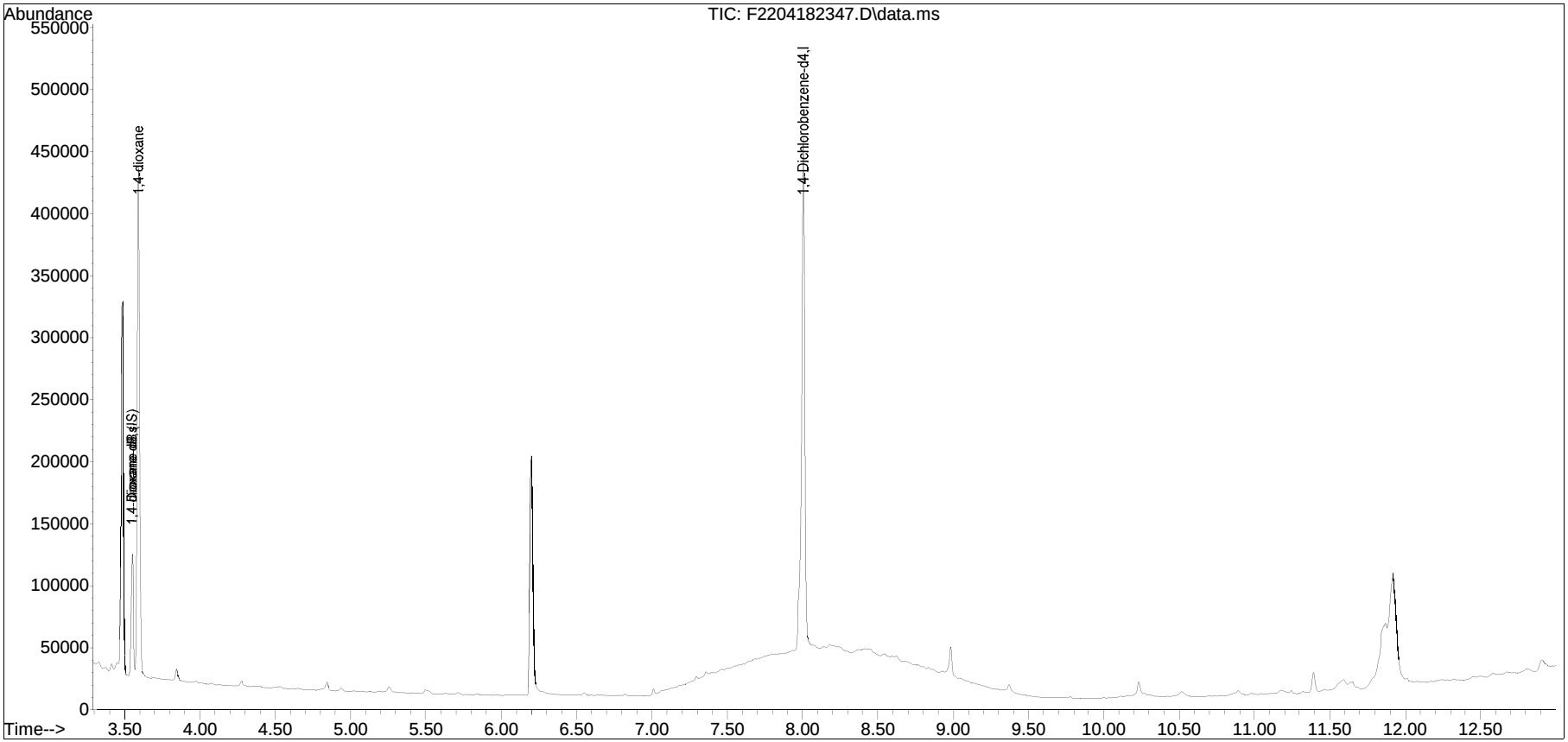
(#) = qualifier out of range (m) = manual integration (+) = signals summed

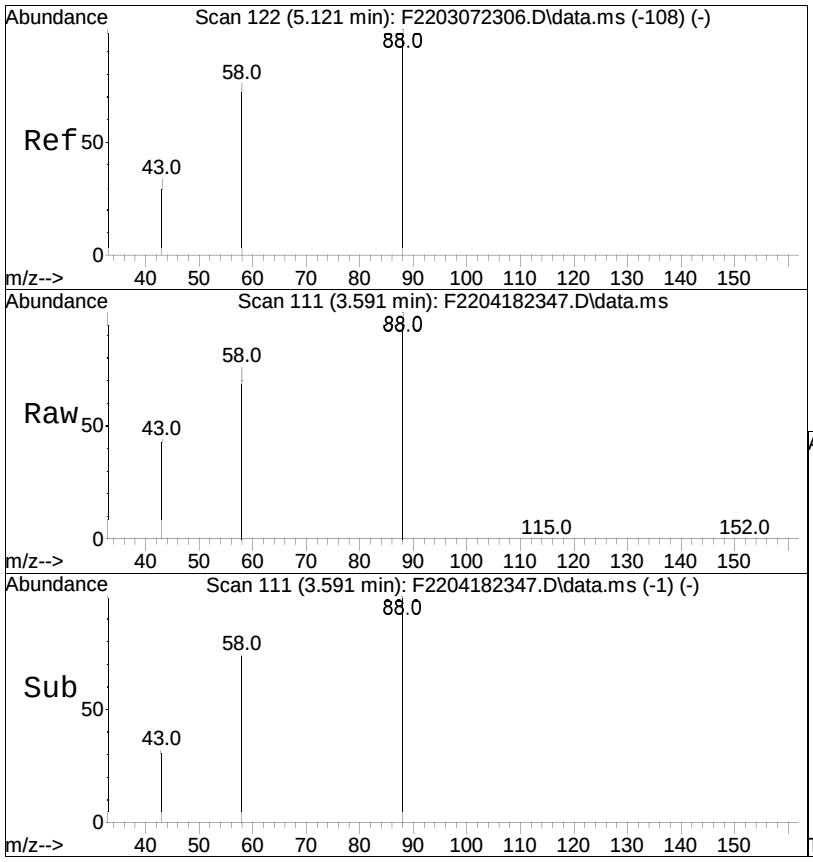
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182347.D
Acq On : 18 Apr 2023 10:20 pm
Operator : PAH22:TPR
Sample : l2319240-05,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Apr 19 05:16:29 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

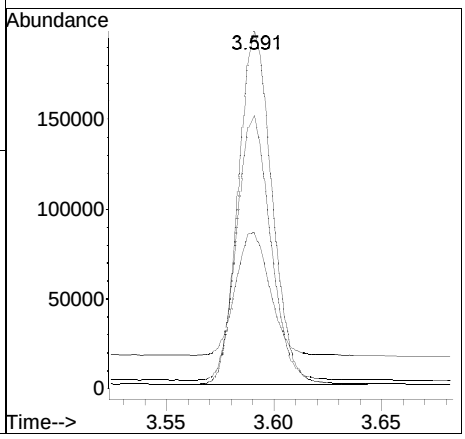





#2
1,4-dioxane
Concen: 1960.84 ng/mL M4
RT: 3.591 min Scan# 111
Delta R.T. 0.028 min
Lab File: F2204182347.D
Acq: 18 Apr 2023 10:20 pm

Tgt Ion: 88 Resp: 212251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.8 | 59.4 | 89.0 |
| 43 | 35.0 | 24.6 | 36.8 |

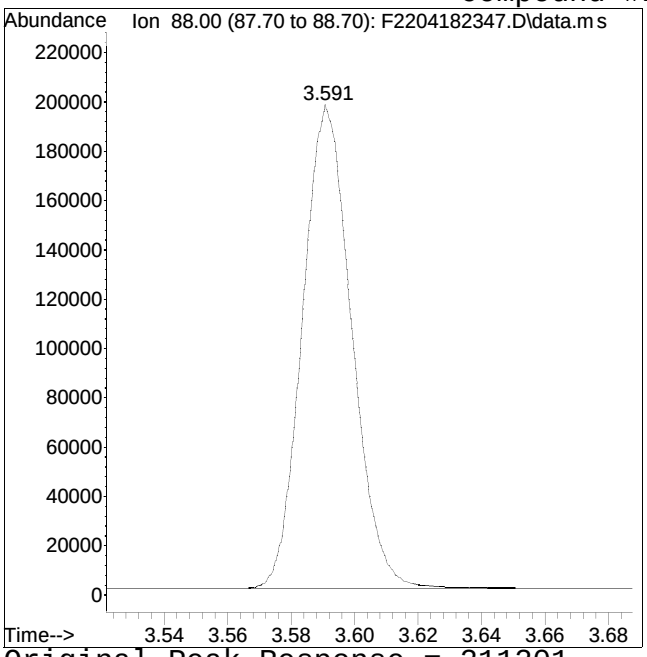


Manual Integration/Negative Proof Report

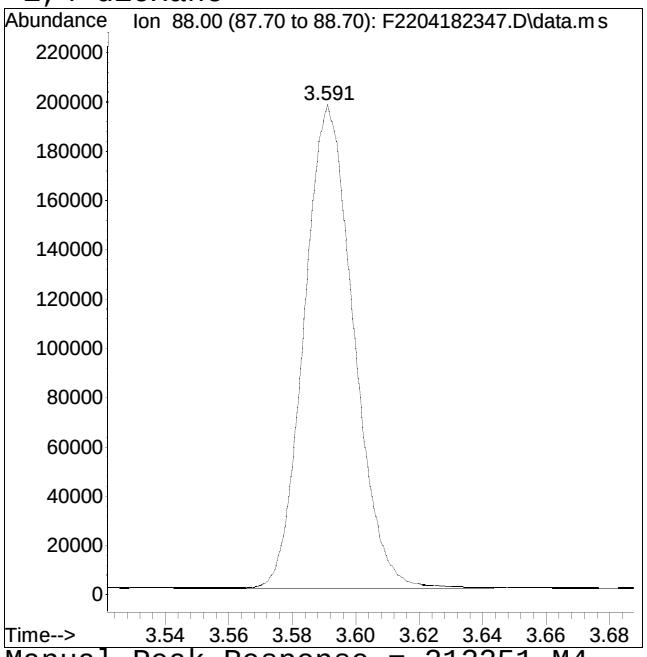
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182347.D
Date Inj'd : 4/18/2023 10:20 pm
Sample : l2319240-05,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:51 am

Compound #2: 1,4-dioxane




Original Peak Response = 211201




Manual Peak Response = 212251 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182350.D
Acq On : 18 Apr 2023 11:22 pm
Operator : PAH22:TPR
Sample : l2319240-06,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Apr 19 05:17:59 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.527 | 64 | 40687 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 333928 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.527 | 64 | 40687 | 208.174 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 41.63% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.569 | 88 | 213617M4 | 2085.304 | ng/mL | |

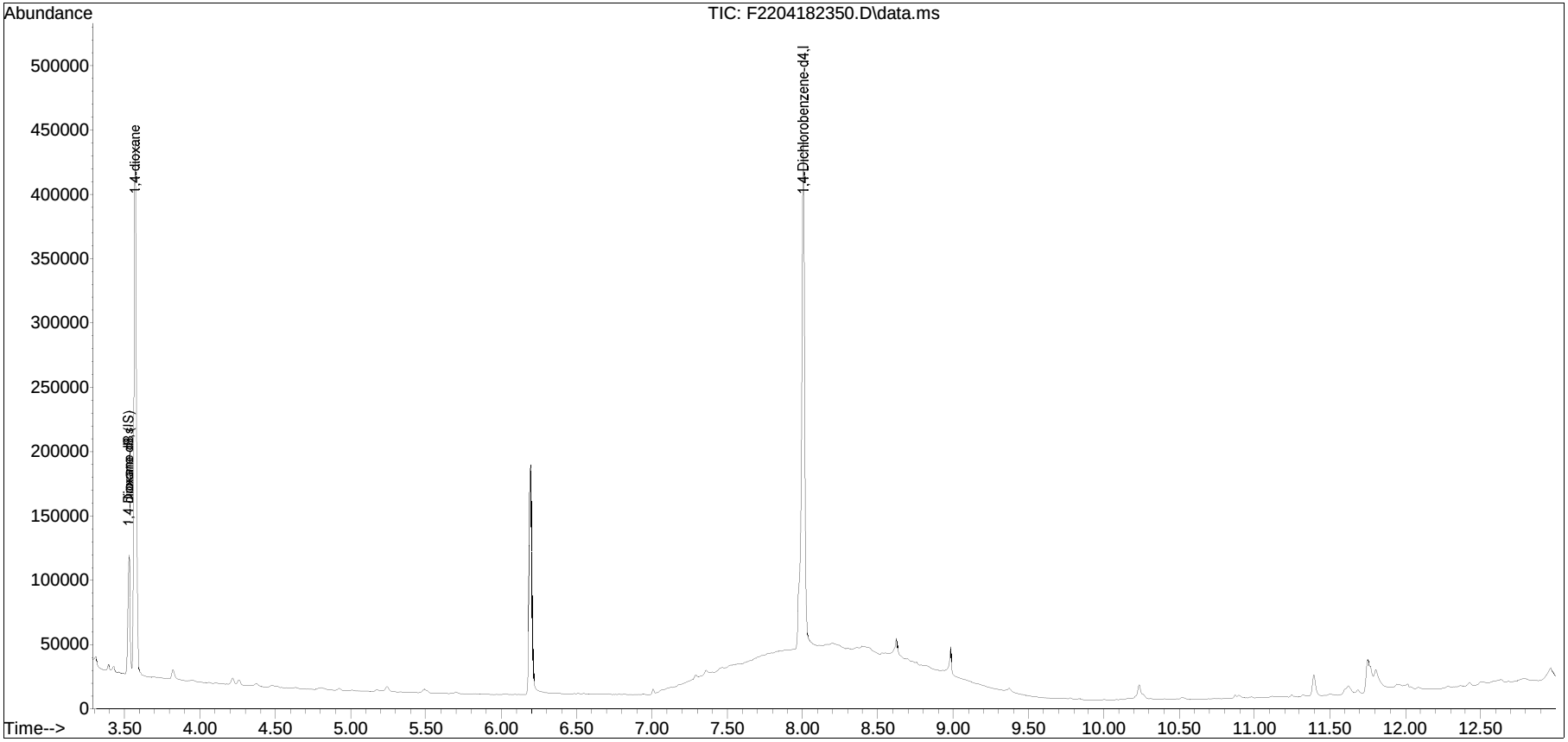
(#) = qualifier out of range (m) = manual integration (+) = signals summed

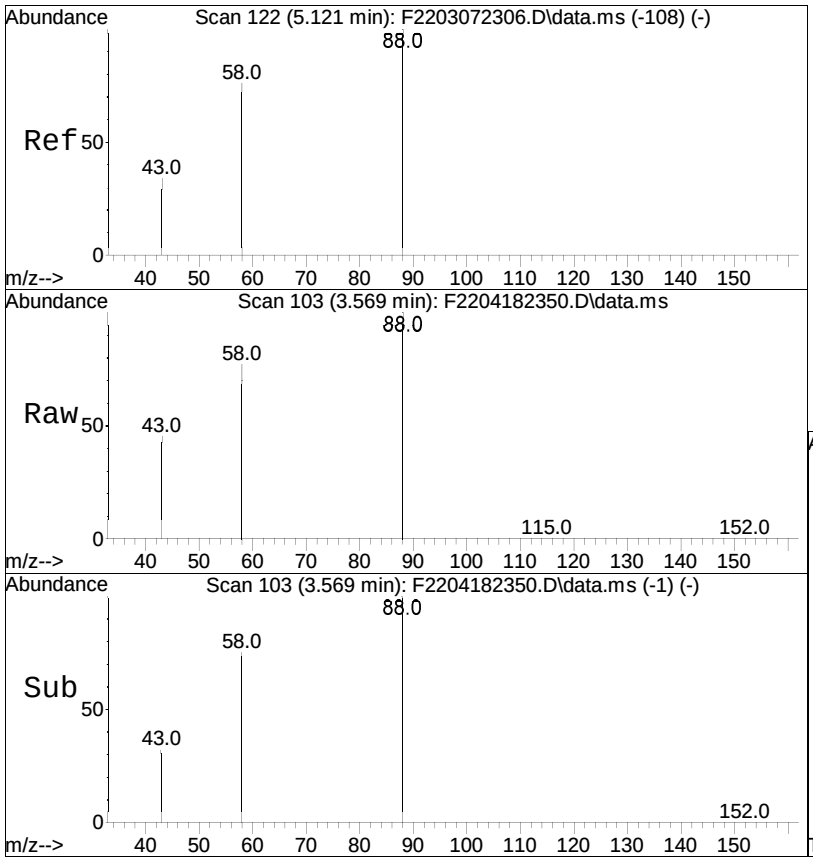
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182350.D
Acq On : 18 Apr 2023 11:22 pm
Operator : PAH22:TPR
Sample : l2319240-06,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Apr 19 05:17:59 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

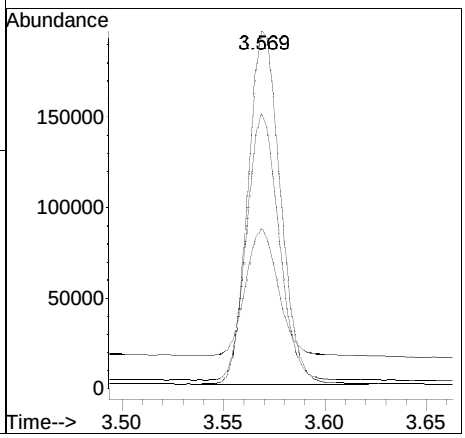





#2
1,4-dioxane
Concen: 2085.30 ng/mL M4
RT: 3.569 min Scan# 103
Delta R.T. 0.006 min
Lab File: F2204182350.D
Acq: 18 Apr 2023 11:22 pm

Tgt Ion: 88 Resp: 213617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.9 | 59.4 | 89.0 |
| 43 | 35.9 | 24.6 | 36.8 |

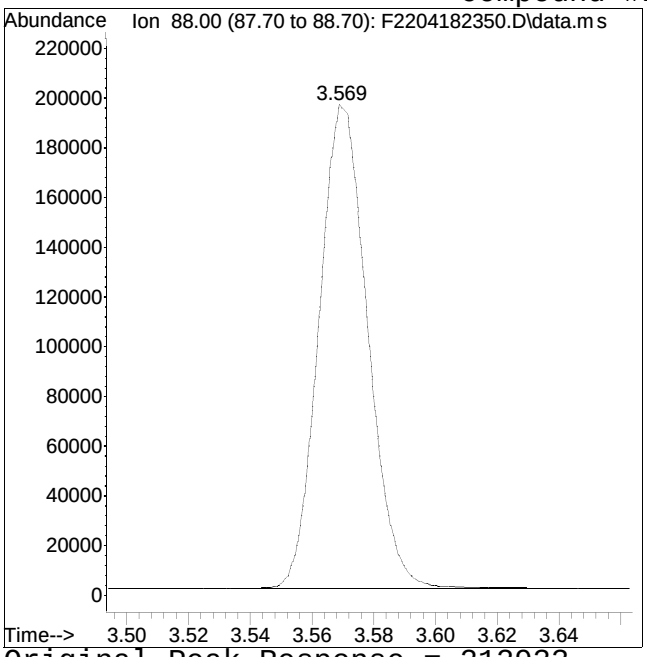


# Manual Integration/Negative Proof Report

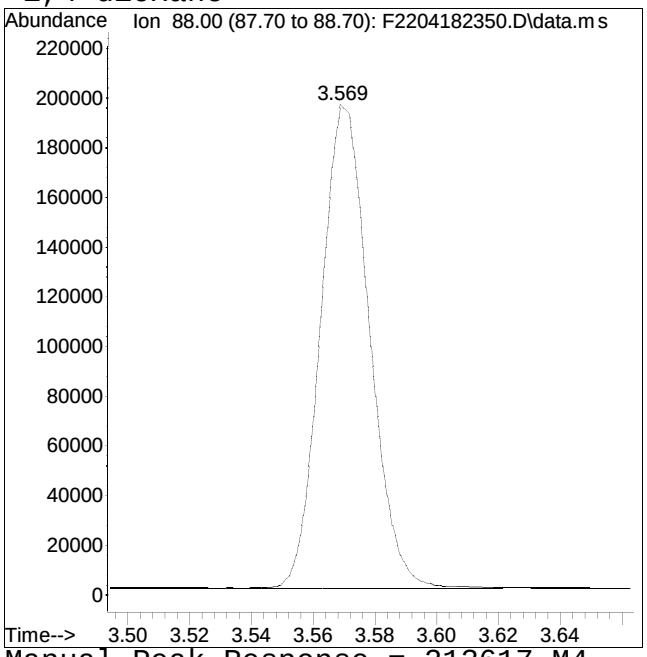
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182350.D
Date Inj'd : 4/18/2023 11:22 pm
Sample : l2319240-06,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:52 am

## Compound #2: 1,4-dioxane




Original Peak Response = 212933




Manual Peak Response = 213617 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192316.D
Acq On : 19 Apr 2023 12:09 pm
Operator : PAH22:TPR
Sample : L2319240-07,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 19 12:24:14 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.538 | 64 | 38625 | 500.000 | ng/mL | 0.03 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 373163 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.538 | 64 | 38625 | 176.846 | ng/mL | 0.03 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 35.37% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.580 | 88 | 219294M4 | 2255.005 | ng/mL | |

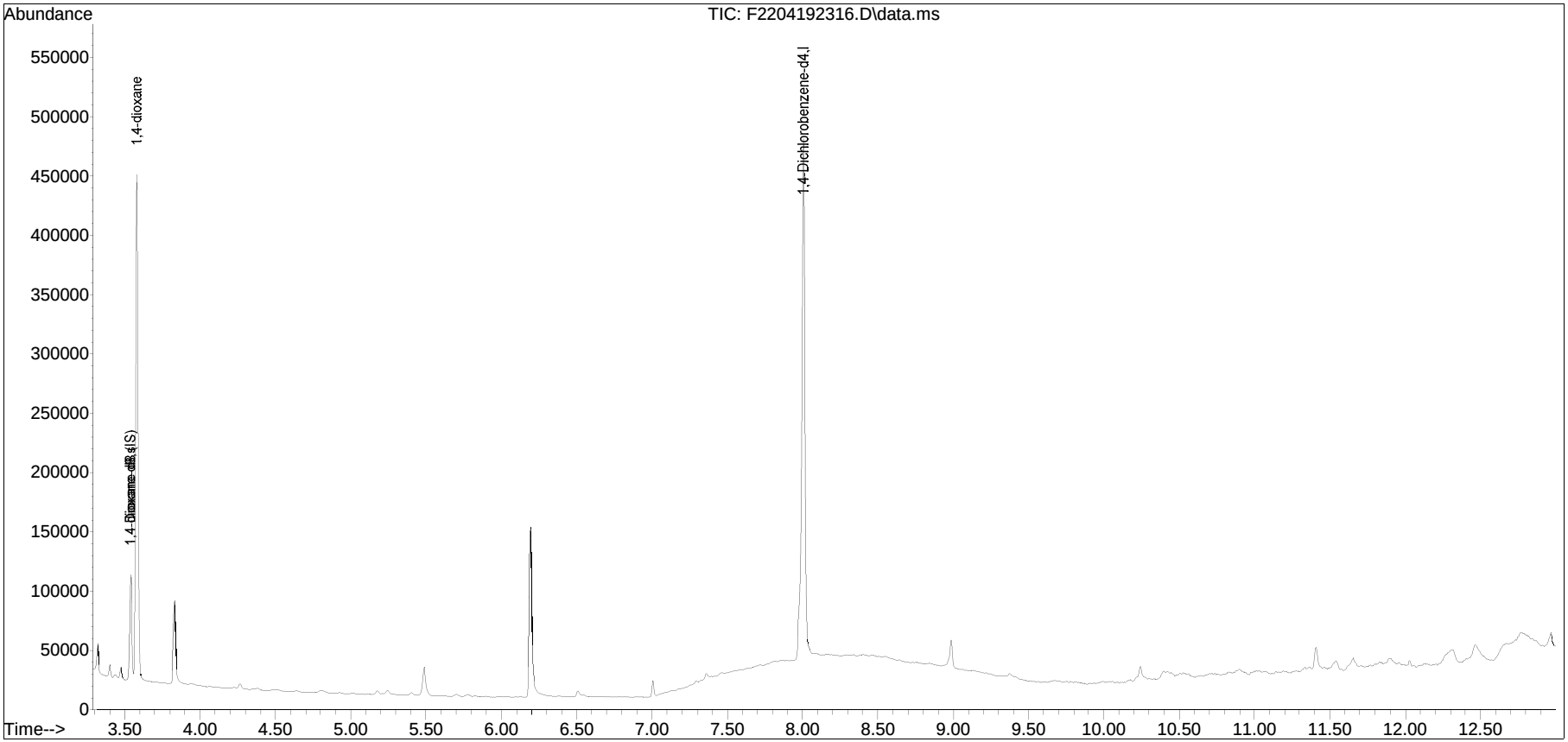
(#) = qualifier out of range (m) = manual integration (+) = signals summed

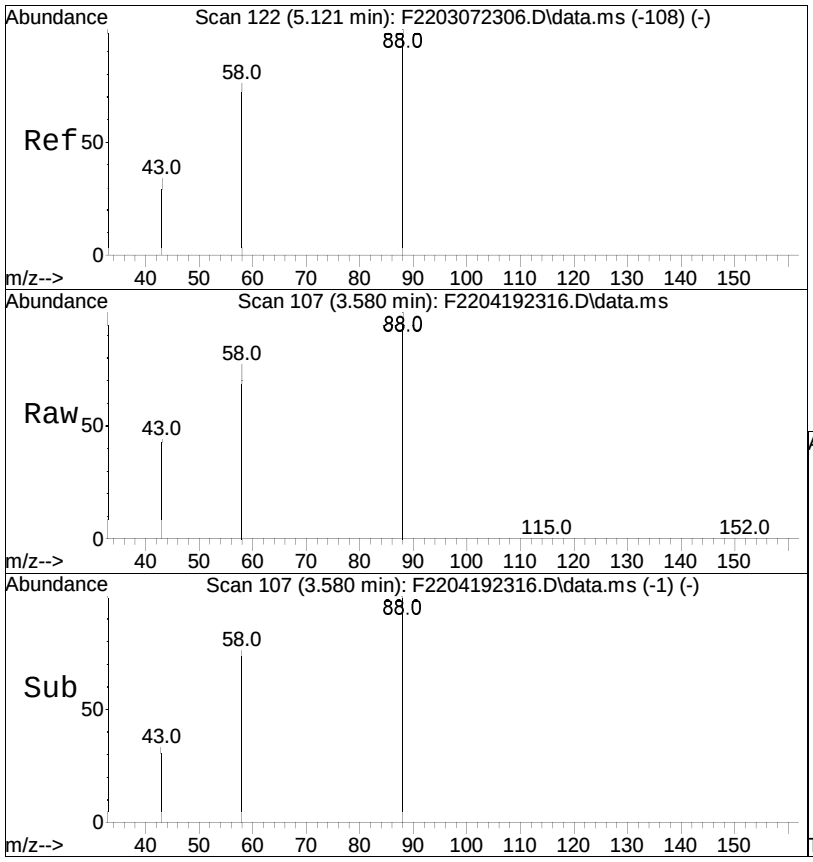
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192316.D
Acq On : 19 Apr 2023 12:09 pm
Operator : PAH22:TPR
Sample : L2319240-07,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 19 12:24:14 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

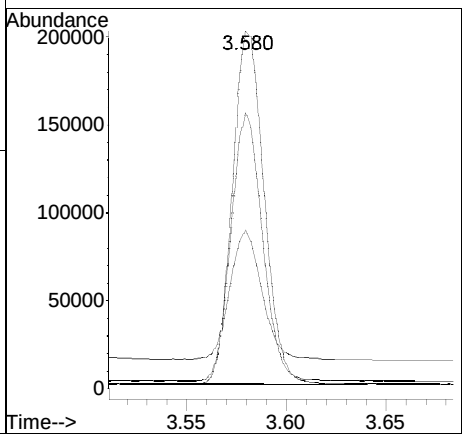





#2
1,4-dioxane
Concen: 2255.01 ng/mL M4
RT: 3.580 min Scan# 107
Delta R.T. 0.028 min
Lab File: F2204192316.D
Acq: 19 Apr 2023 12:09 pm

Tgt Ion: 88 Resp: 219294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.0 | 59.4 | 89.0 |
| 43 | 36.2 | 24.6 | 36.8 |

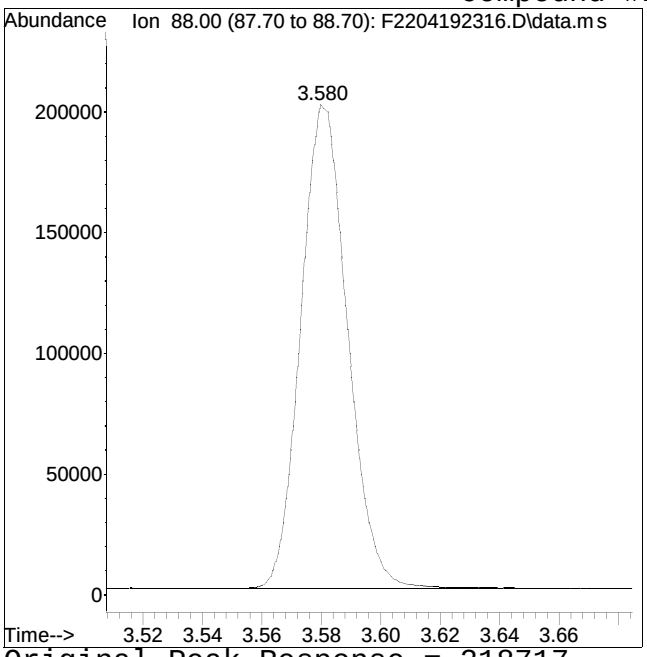


Manual Integration/Negative Proof Report

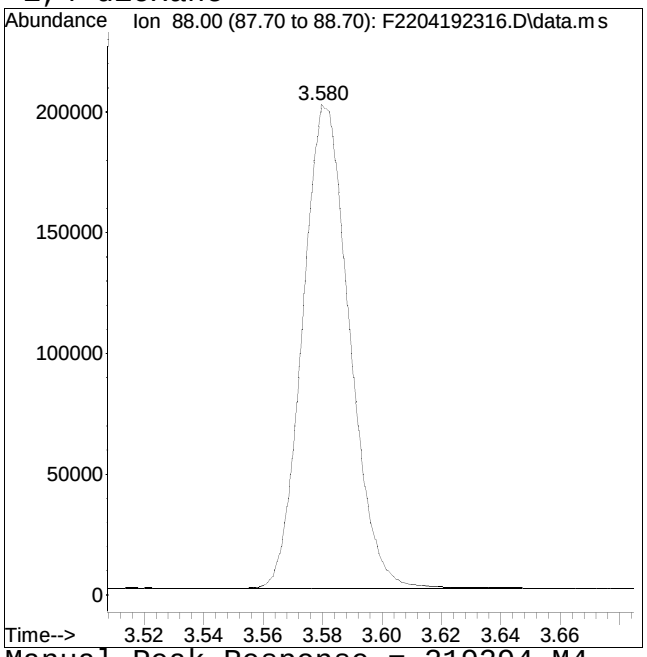
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204192316.D
Date Inj'd : 4/19/2023 12:09 pm
Sample : L2319240-07,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 12:23 pm

Compound #2: 1,4-dioxane




Original Peak Response = 218717




Manual Peak Response = 219294 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192317.D
Acq On : 19 Apr 2023 12:30 pm
Operator : PAH22:TPR
Sample : L2319240-08,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 19 12:47:20 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.530 | 64 | 35495 | 500.000 | ng/mL | 0.02 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 369761 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.530 | 64 | 35495 | 164.010 | ng/mL | 0.02 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 32.80% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 0.000 | | 0 | N.D. | | |

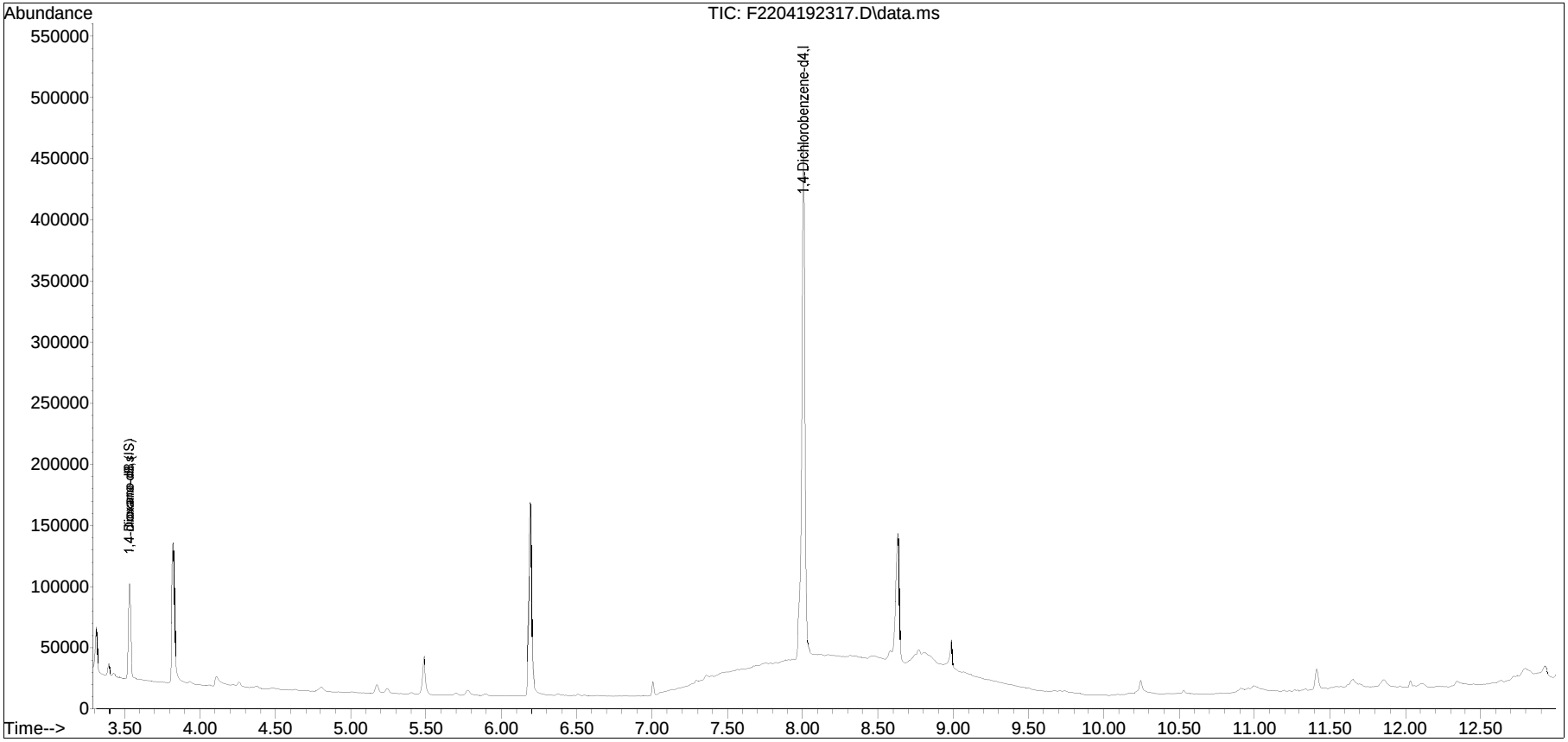
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192317.D
Acq On : 19 Apr 2023 12:30 pm
Operator : PAH22:TPR
Sample : L2319240-08,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 19 12:47:20 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204192317.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/19/2023 12:30 pm | Instrument | : PAH22 |
| Sample | : L2319240-08,32,, | Quant Date | : 4/19/2023 12:47 pm |

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

# Semivolatiles Standards Data

# Initial Calibration

# Initial Calibration Summary
# Form 6
# Semivolatiles

| | | | |
|---|---|---|---|
| **Client** | **: Sterling Environmental Engineering** | **Lab Number** | **: L2319240** |
| **Project Name** | **: TROY BELTING** | **Project Number** | **: 2011-31 TASK 911** |
| **Instrument ID** | **: PAH22** | **Ical Ref** | **: ICAL19784** |
| **Calibration dates** | **: 03/07/23 13:21 03/07/23 16:11** | | |

Calibration Files
10 =F2203072302.D 50 =F2203072303.D 100 =F2203072304.D 500 =F2203072305.D 1000=F2203072306.D
5000=F2203072307.D 1e04=F2203072308.D

| | Compound | 10 | 50 | 100 | 500 | 1000 | 5000 | 1e04 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | 1,4-Dioxane-d8 (IS) | ----------ISTD---------- | | | | | | | | |
| 2) | 1,4-dioxane | 1.421 | 1.236 | 1.276 | 1.245 | 1.306 | 1.174 | 1.155 | 1.259 | 7.07 |
| 3) I | 1,4-Dichlorobenzene-d4 | ----------ISTD---------- | | | | | | | | |
| 4) s | 1,4-dioxane-d8 | 0.276 | 0.288 | 0.293 | 0.290 | 0.283 | 0.315 | 0.303 | 0.293 | 4.49 |

# Response Factor Report PAH22

Method Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Method File : 14DIOX0307PAH22.M
Title : Semivolatiles by GC/MS
Last Update : Wed Mar 08 06:53:10 2023
Response Via : Initial Calibration

Calibration Files
10 =F2203072302.D 50 =F2203072303.D 100 =F2203072304.D 500 =F2203072305.D 1000=F2203072306.D
5000=F2203072307.D 1e04=F2203072308.D

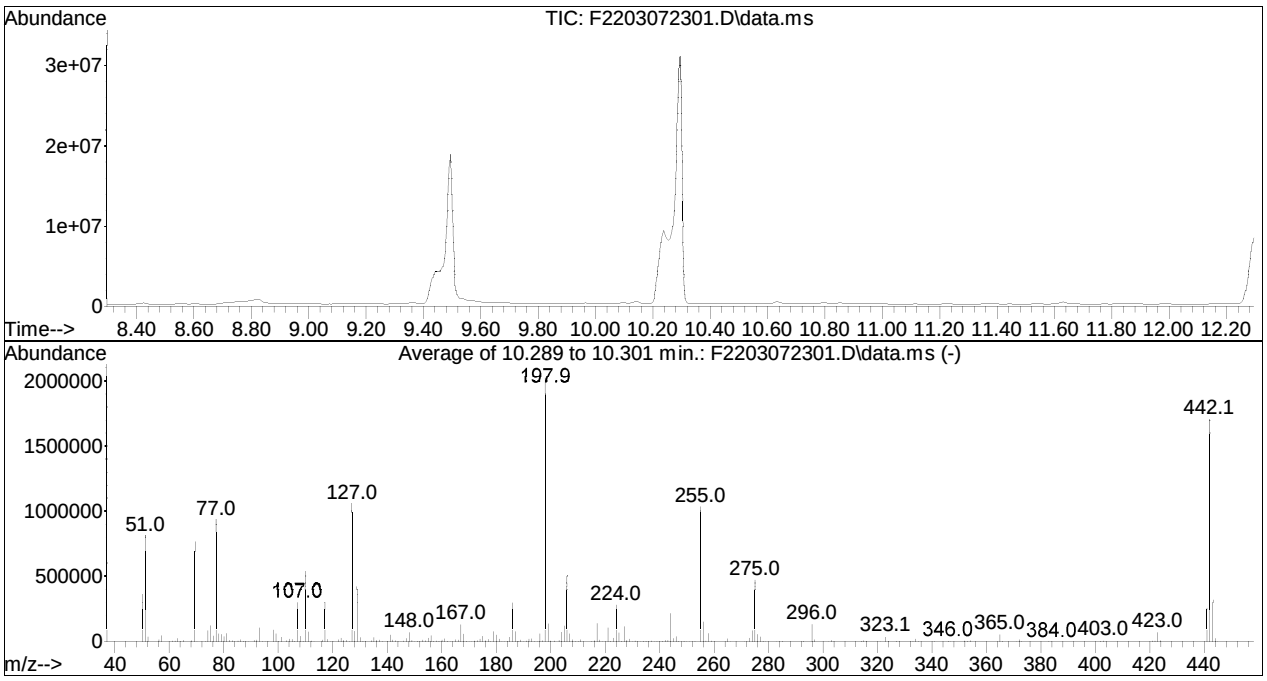
| | Compound | 10 | 50 | 100 | 500 | 1000 | 5000 | 1e04 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | 1,4-Dioxane-d8 (IS) | ISTD | | | | | | | | |
| 2) | 1,4-dioxane | 1.421 | 1.236 | 1.276 | 1.245 | 1.306 | 1.174 | 1.155 | 1.259 | 7.07 |
| 3) I | 1,4-Dichlorobenzene-d4 | ISTD | | | | | | | | |
| 4) s | 1,4-dioxane-d8 | 0.276 | 0.288 | 0.293 | 0.290 | 0.283 | 0.315 | 0.303 | 0.293 | 4.49 |

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072301.D
Acq On : 7 Mar 2023 12:35 pm
Operator : PAH22:TPR
Sample : T2203072301
Misc : WG1752199,,MSBO72
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Title : Semivolatiles by GC/MS
Last Update : Wed Mar 08 06:53:10 2023




Spectrum Information: Average of 10.289 to 10.301 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 40.0 | 810240 | PASS |
| 68 | 69 | 0.00 | 2 | 1.7 | 12653 | PASS |
| 70 | 69 | 0.00 | 2 | 0.4 | 3316 | PASS |
| 127 | 198 | 10 | 80 | 52.0 | 1053931 | PASS |
| 197 | 198 | 0.00 | 2 | 0.6 | 12197 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 2025685 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 139016 | PASS |
| 275 | 198 | 10 | 60 | 23.2 | 470613 | PASS |
| 365 | 198 | 1 | 100 | 2.7 | 54925 | PASS |
| 441 | 442 | 0.01 | 24 | 15.0 | 255829 | PASS |
| 442 | 198 | 50 | 100 | 84.3 | 1707456 | PASS |
| 443 | 442 | 15 | 24 | 18.9 | 321880 | PASS |

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072302.D
Acq On : 7 Mar 2023 1:21 pm
Operator : PAH22:TPR
Sample : I2203072301
Misc : WG1752199,,MSBO59
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 08 06:49:41 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:48:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.056 | 64 | 110416M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.042 | 152 | 400708M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.056 | 64 | 110416M4 | 470.792 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 94.16% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.119 | 88 | 3137M2 | 11.284 | ng/mL | |

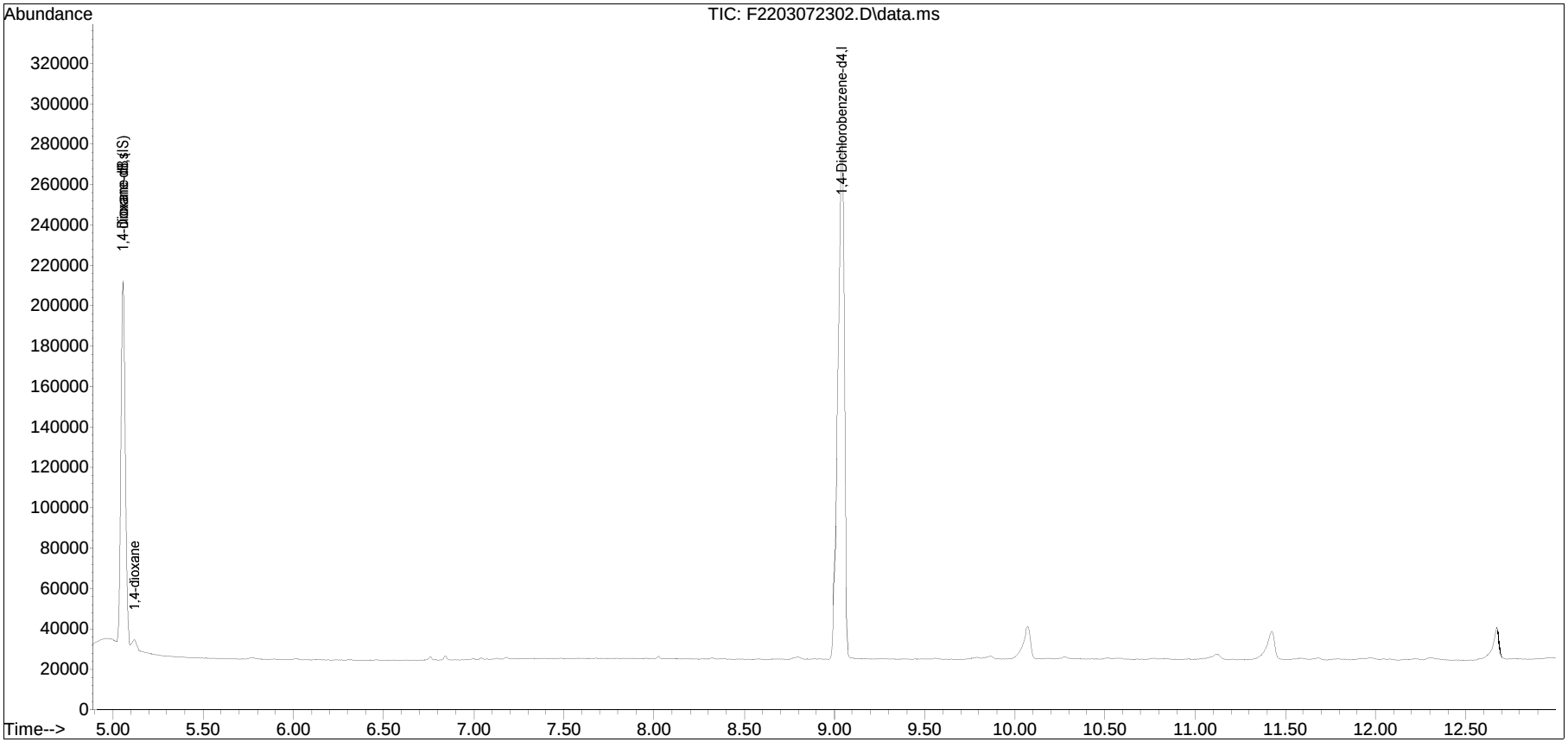
(#) = qualifier out of range (m) = manual integration (+) = signals summed

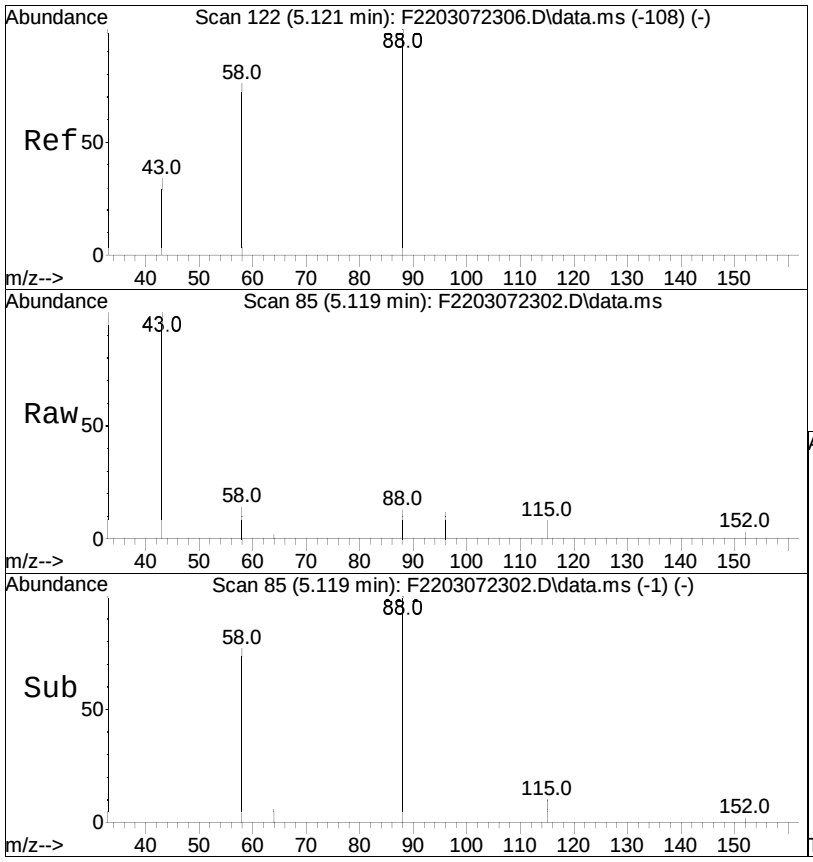
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072302.D
Acq On : 7 Mar 2023 1:21 pm
Operator : PAH22:TPR
Sample : I2203072301
Misc : WG1752199,,MSBO59
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 08 06:49:41 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:48:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

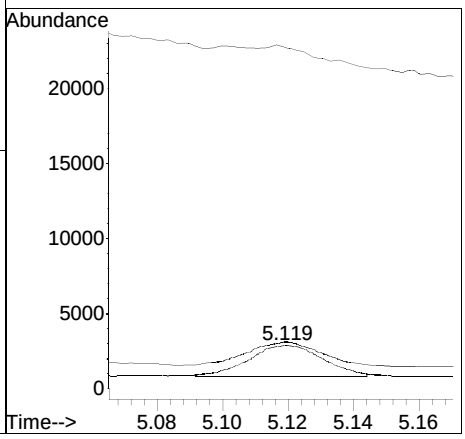





#2
1,4-dioxane
Concen: 11.28 ng/mL M2
RT: 5.119 min Scan# 85
Delta R.T. 0.000 min
Lab File: F2203072302.D
Acq: 7 Mar 2023 1:21 pm

Tgt Ion: 88 Resp: 3137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 82.7 | 66.2 | 99.2 |
| 43 | 40.9 | 30.1 | 45.1 |

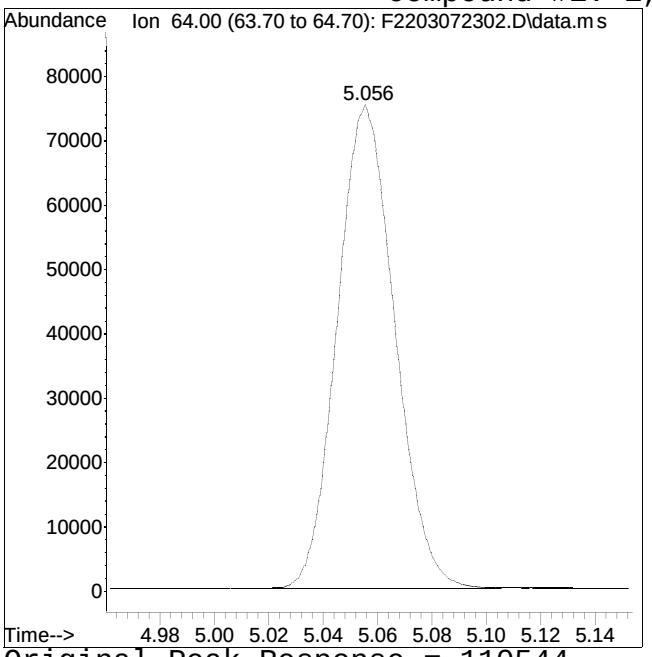


Manual Integration/Negative Proof Report

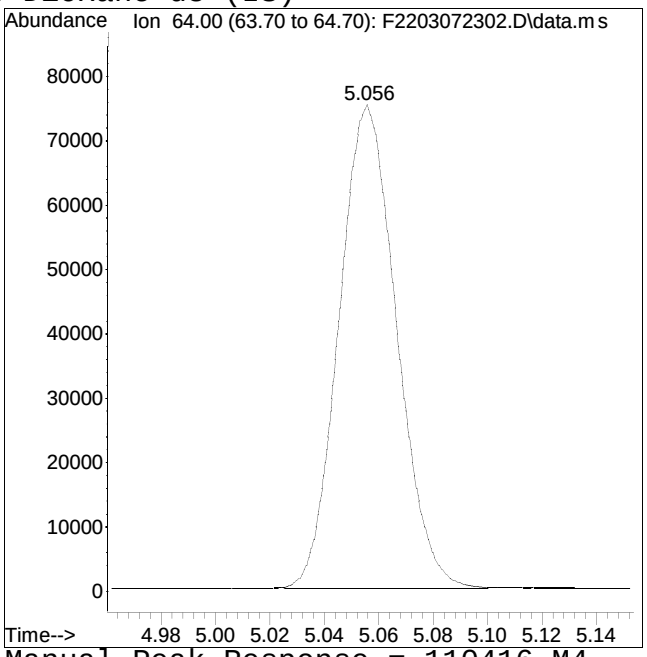
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072302.D
Date Inj'd : 3/7/2023 1:21 pm
Sample : I2203072301

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:48 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 110544




Manual Peak Response = 110416 M4

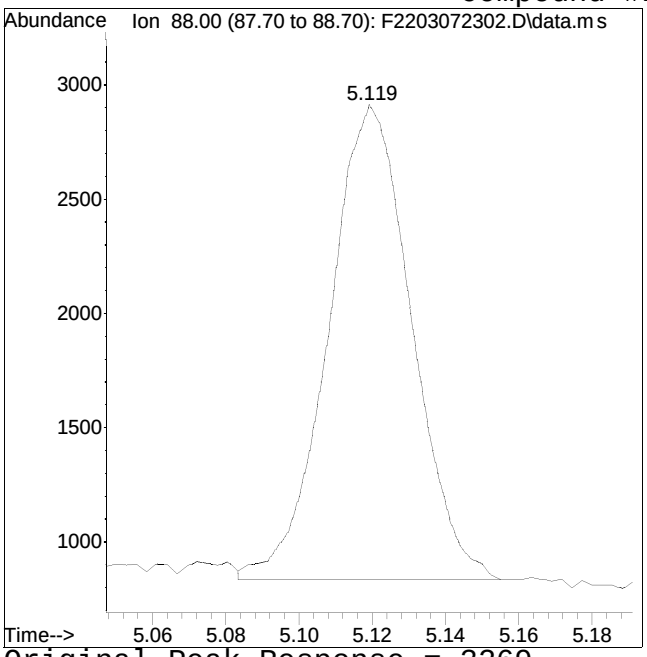
M4 = Poor automated baseline construction.

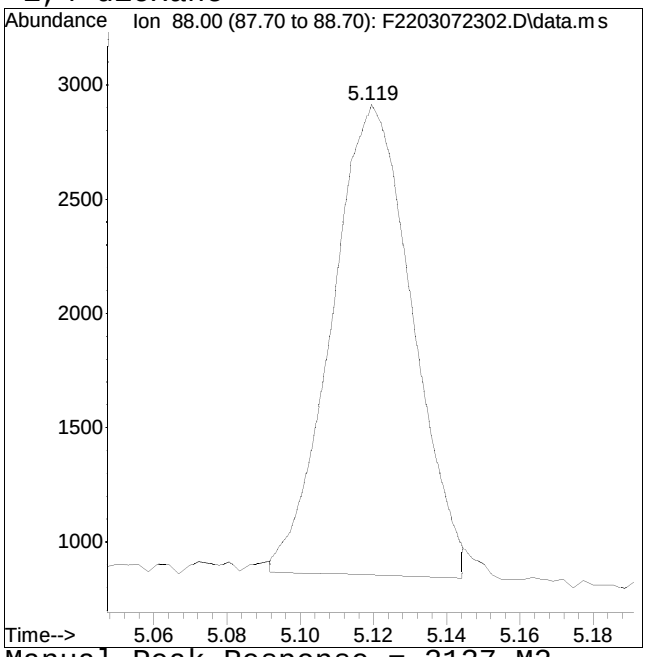
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072302.D
Date Inj'd : 3/7/2023 1:21 pm
Sample : I2203072301

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:48 am

Compound #2: 1,4-dioxane



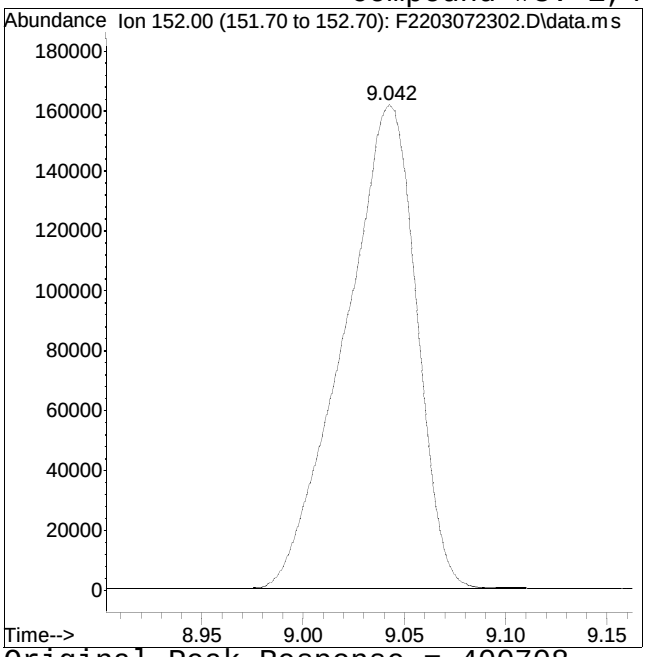

Original Peak Response = 3269 Manual Peak Response = 3137 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration/Negative Proof Report

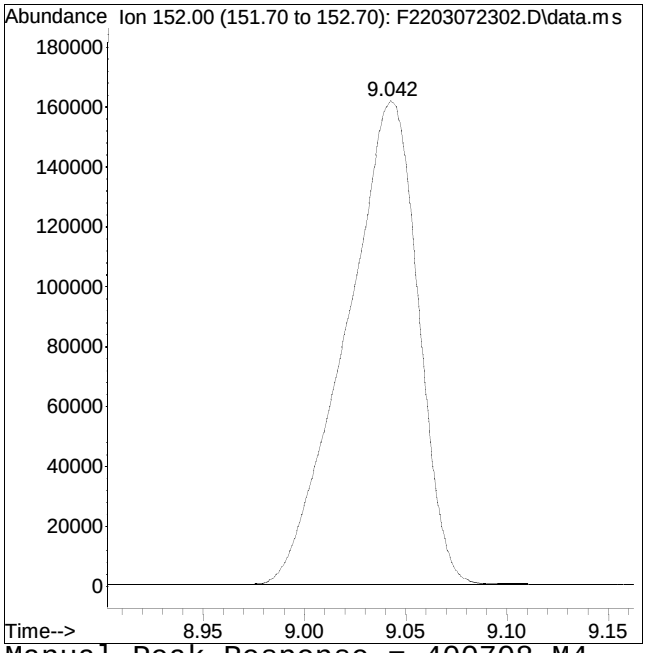
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072302.D
Date Inj'd : 3/7/2023 1:21 pm
Sample : I2203072301

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:48 am

Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 400708




Manual Peak Response = 400708 M4

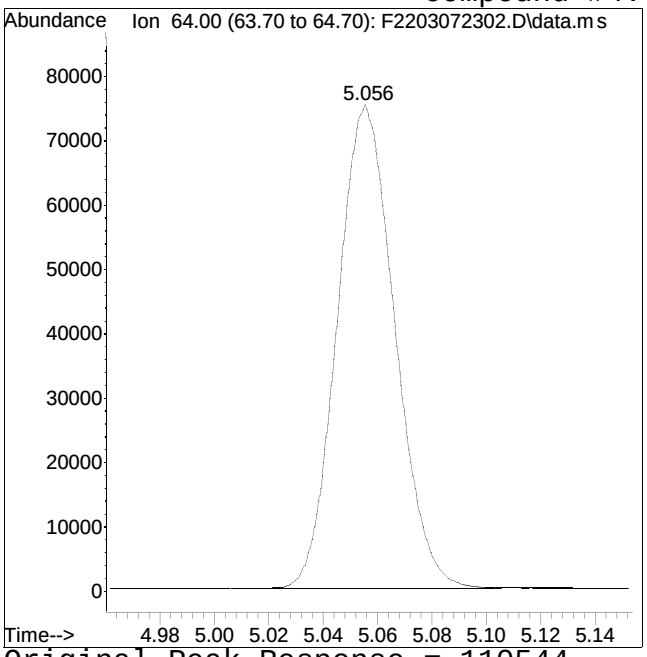
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

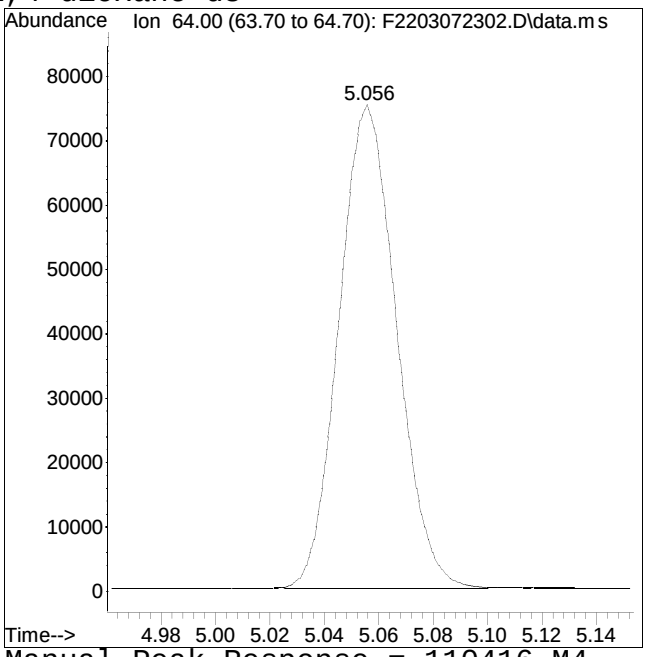
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072302.D
Date Inj'd : 3/7/2023 1:21 pm
Sample : I2203072301

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:48 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 110544




Manual Peak Response = 110416 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072303.D
Acq On : 7 Mar 2023 1:50 pm
Operator : PAH22:TPR
Sample : I2203072302
Misc : WG1752199,,MSBO60
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 08 05:59:00 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 05:57:48 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.052 | 64 | 119518M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.047 | 152 | 414348M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.052 | 64 | 119532M4 | 510.740 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 102.15% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.116 | 88 | 14776M4 | 46.791 | ng/mL | |

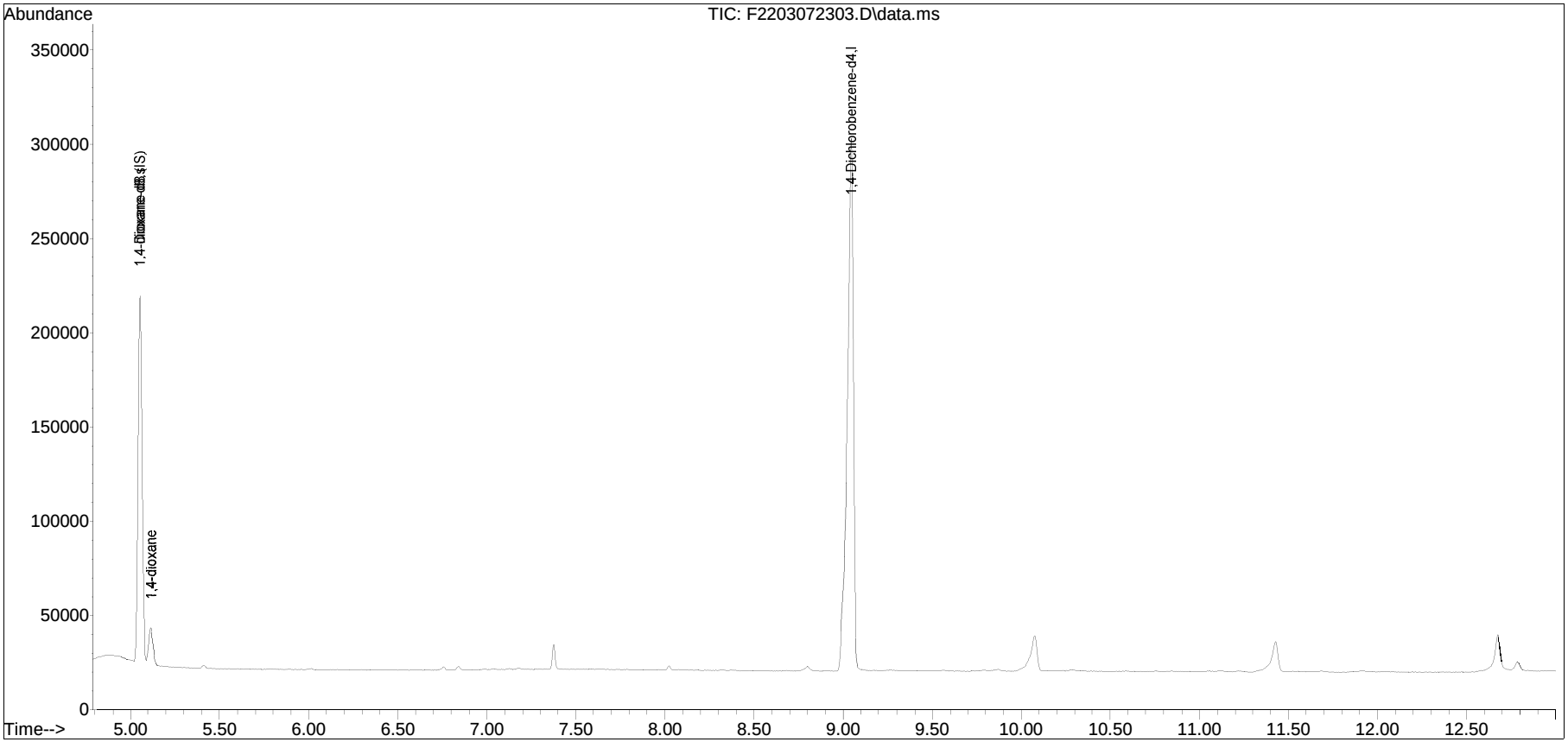
(#) = qualifier out of range (m) = manual integration (+) = signals summed

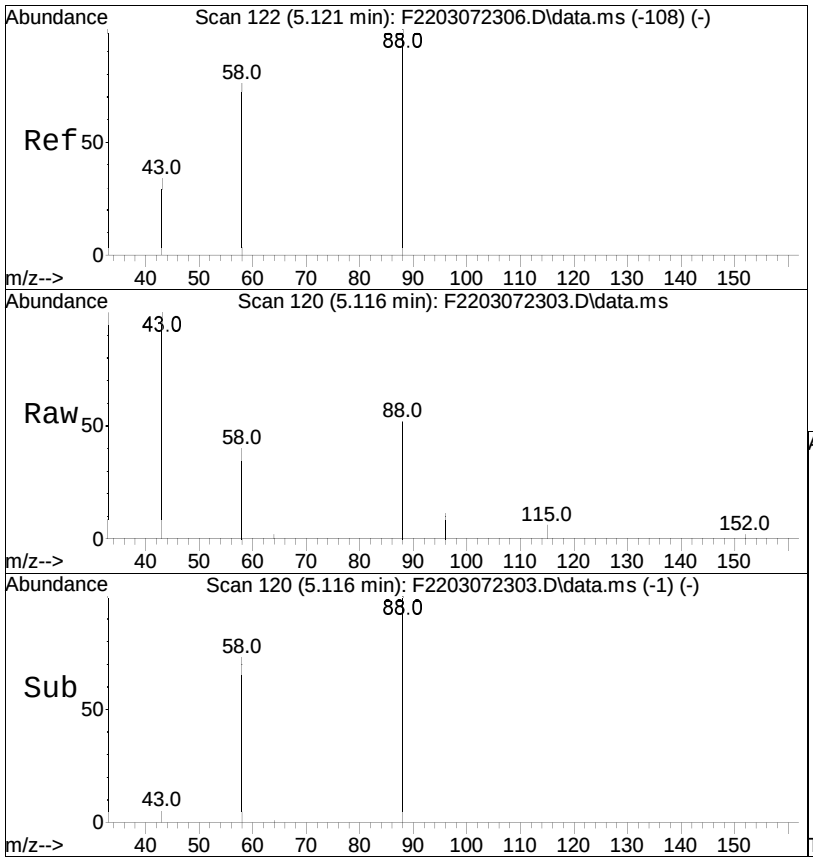
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072303.D
Acq On : 7 Mar 2023 1:50 pm
Operator : PAH22:TPR
Sample : I2203072302
Misc : WG1752199,,MSBO60
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 08 05:59:00 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 05:57:48 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

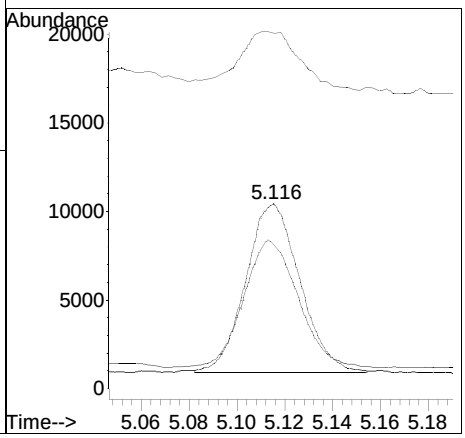





#2
1,4-dioxane
Concen: 46.79 ng/mL M4
RT: 5.116 min Scan# 120
Delta R.T. 0.000 min
Lab File: F2203072303.D
Acq: 7 Mar 2023 1:50 pm

Tgt Ion: 88 Resp: 14776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 60.6 | 90.8 |
| 43 | 34.5 | 28.4 | 42.6 |

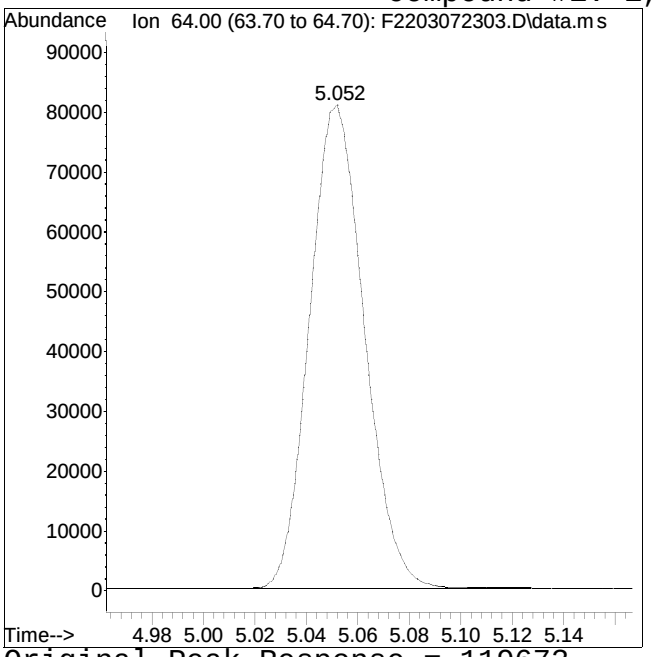


Manual Integration/Negative Proof Report

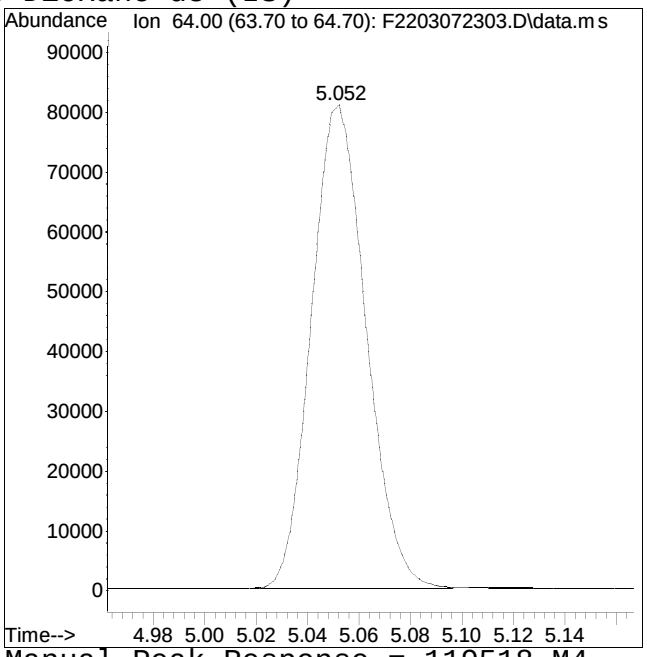
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072303.D
Date Inj'd : 3/7/2023 1:50 pm
Sample : I2203072302

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:57 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 119673




Manual Peak Response = 119518 M4

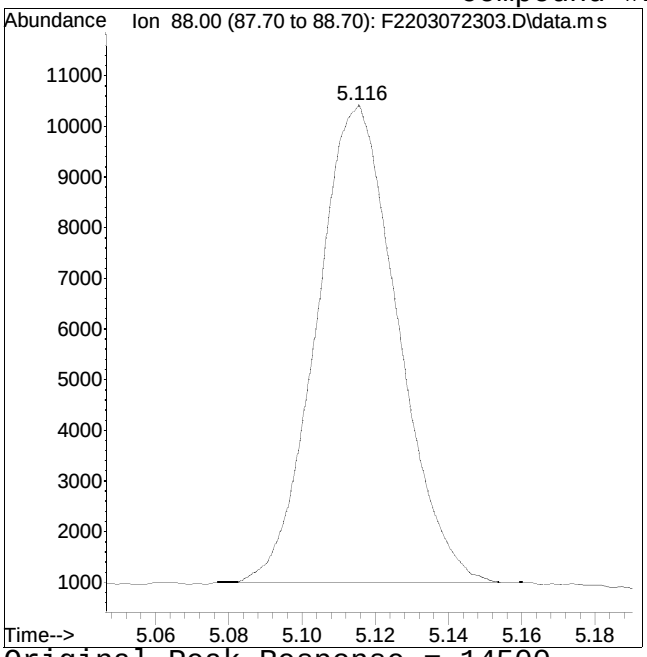
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

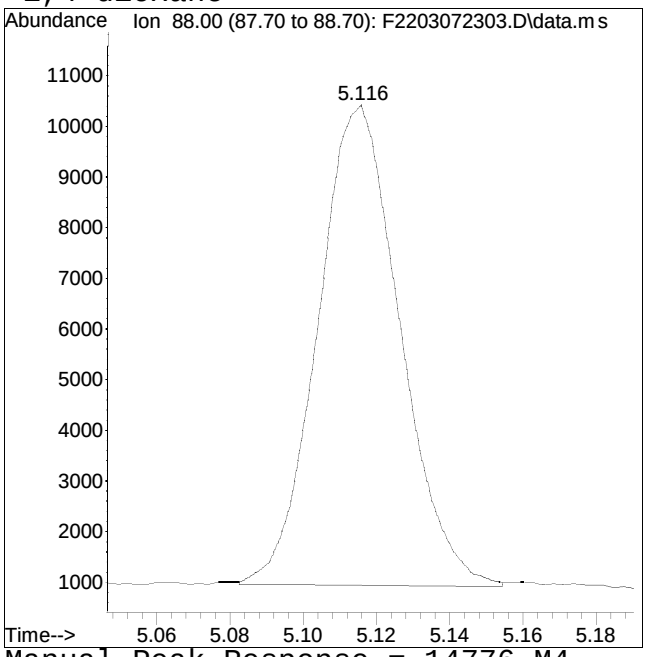
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072303.D
Date Inj'd : 3/7/2023 1:50 pm
Sample : I2203072302

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:57 am

Compound #2: 1,4-dioxane




Original Peak Response = 14500




Manual Peak Response = 14776 M4

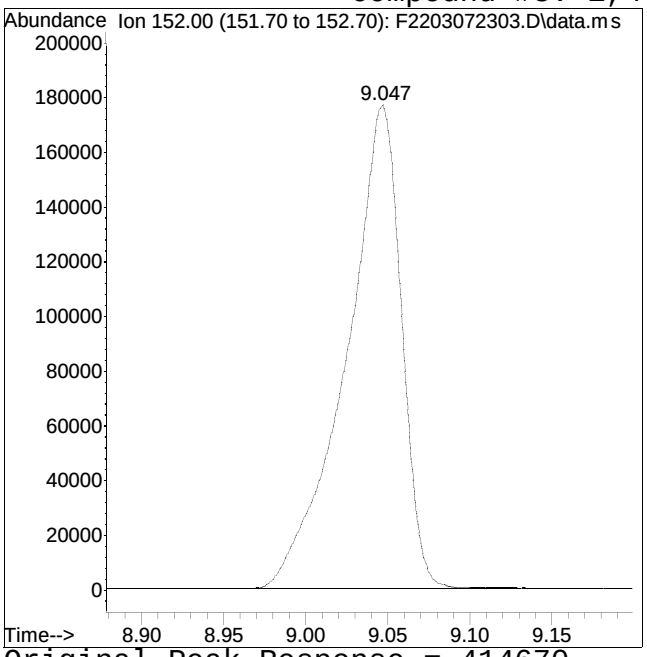
M4 = Poor automated baseline construction.

# Manual Integration/Negative Proof Report

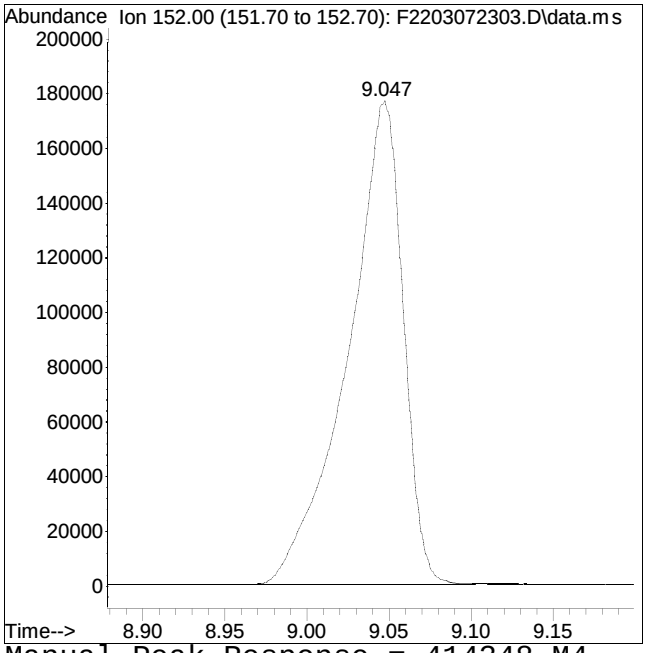
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072303.D
Date Inj'd : 3/7/2023 1:50 pm
Sample : I2203072302

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:57 am

## Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 414670




Manual Peak Response = 414348 M4

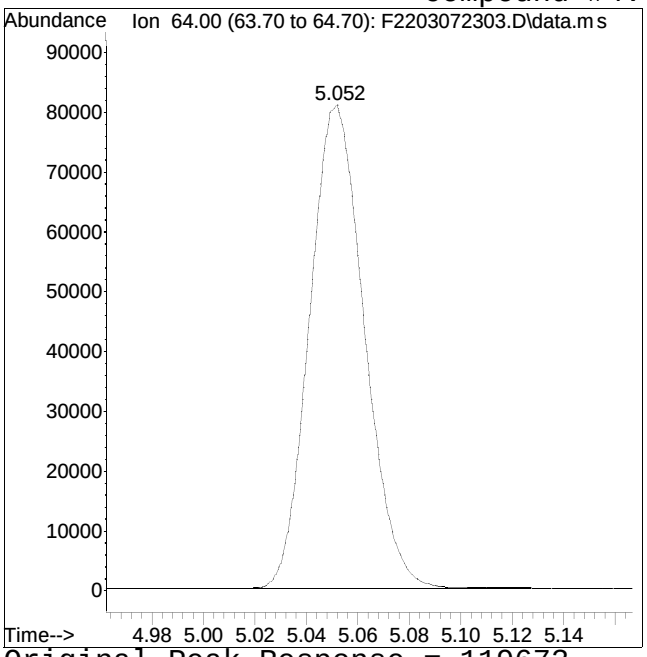
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

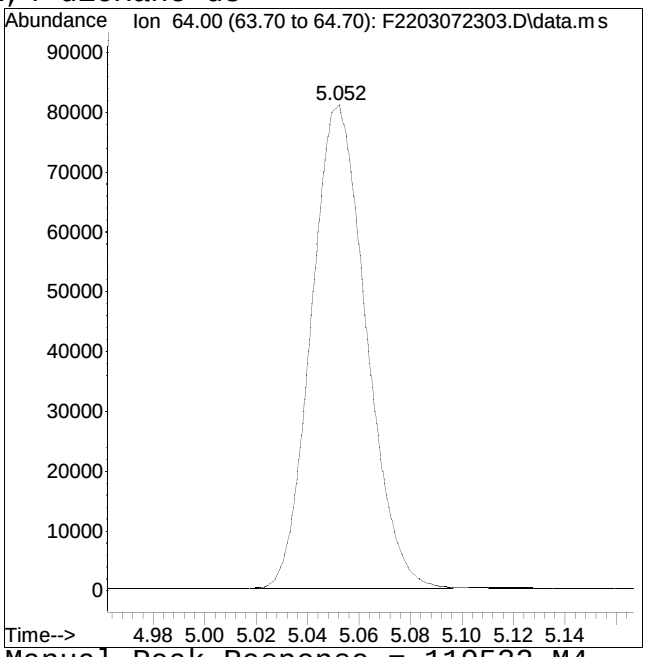
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072303.D
Date Inj'd : 3/7/2023 1:50 pm
Sample : I2203072302

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:57 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 119673




Manual Peak Response = 119532 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072304.D
Acq On : 7 Mar 2023 2:19 pm
Operator : PAH22:TPR
Sample : I2203072303
Misc : WG1752199,,MSBO61
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 08 06:08:44 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:06:50 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.052 | 64 | 114543M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.044 | 152 | 390964M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.052 | 64 | 114550M4 | 513.915 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 102.78% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.116 | 88 | 29222M4 | 97.394 | ng/mL | |

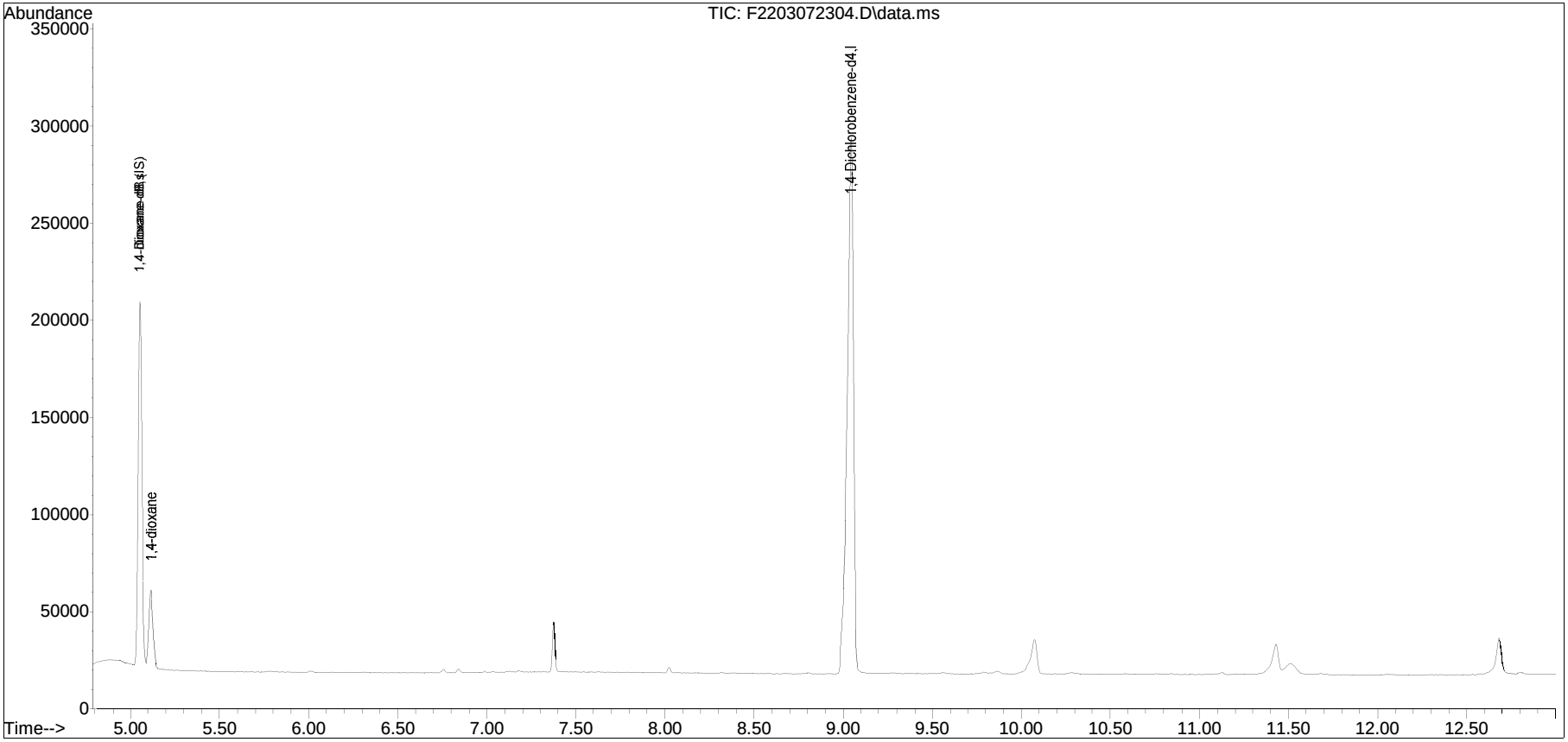
(#) = qualifier out of range (m) = manual integration (+) = signals summed

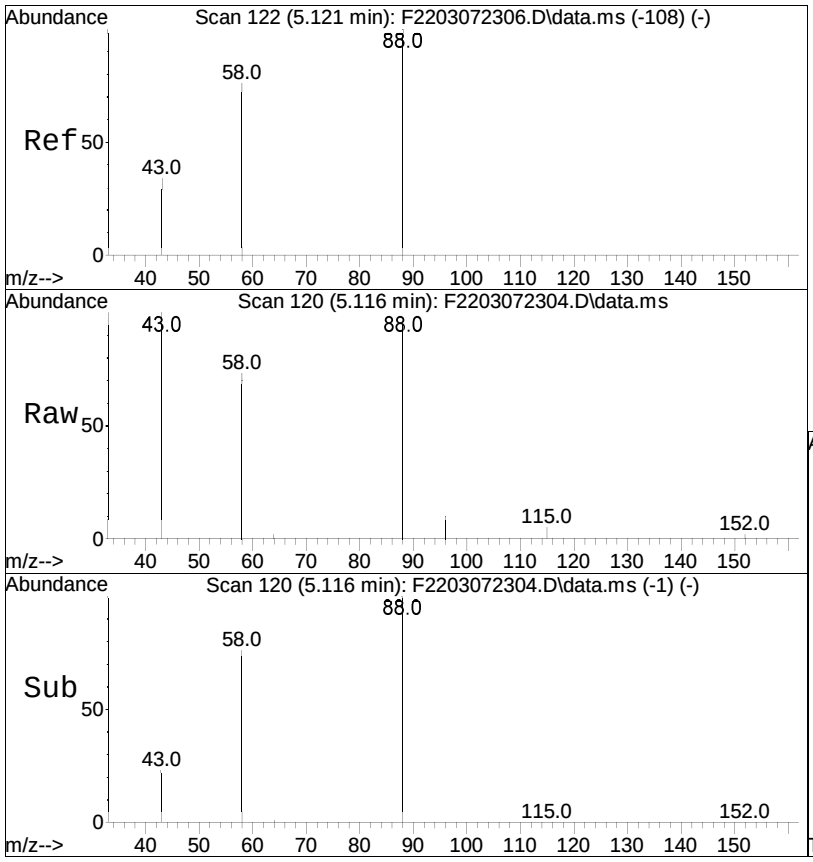
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072304.D
Acq On : 7 Mar 2023 2:19 pm
Operator : PAH22:TPR
Sample : I2203072303
Misc : WG1752199,,MSBO61
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 08 06:08:44 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:06:50 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

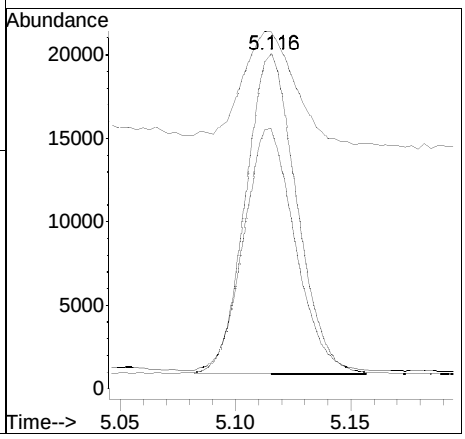





#2
1,4-dioxane
Concen: 97.39 ng/mL M4
RT: 5.116 min Scan# 120
Delta R.T. 0.000 min
Lab File: F2203072304.D
Acq: 7 Mar 2023 2:19 pm

Tgt Ion: 88 Resp: 29222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.0 | 60.0 | 90.0 |
| 43 | 36.6 | 28.2 | 42.2 |

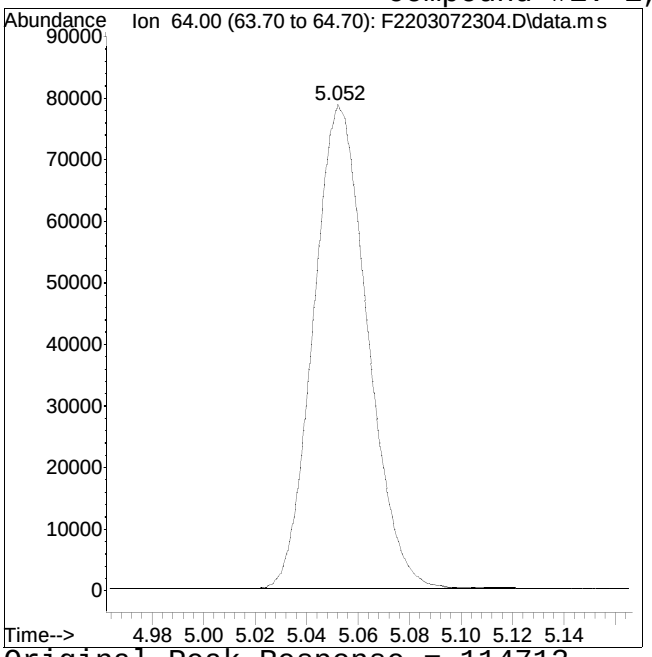


Manual Integration/Negative Proof Report

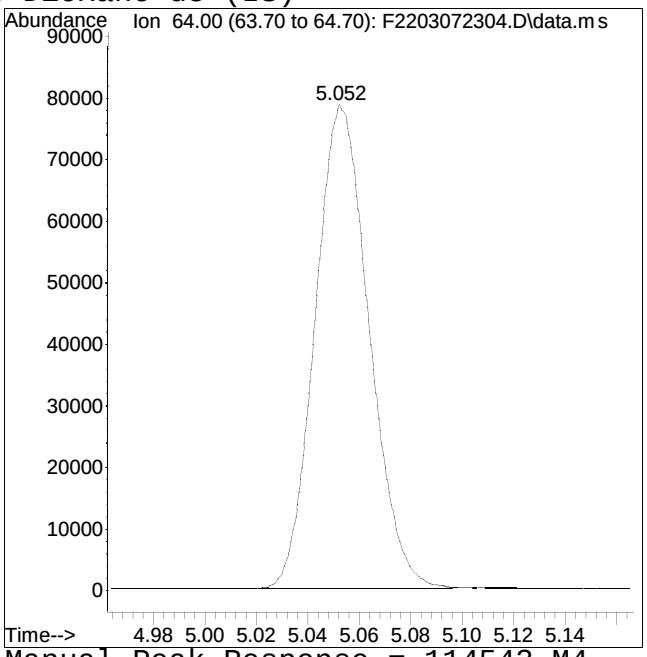
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072304.D
Date Inj'd : 3/7/2023 2:19 pm
Sample : I2203072303

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:06 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 114713




Manual Peak Response = 114543 M4

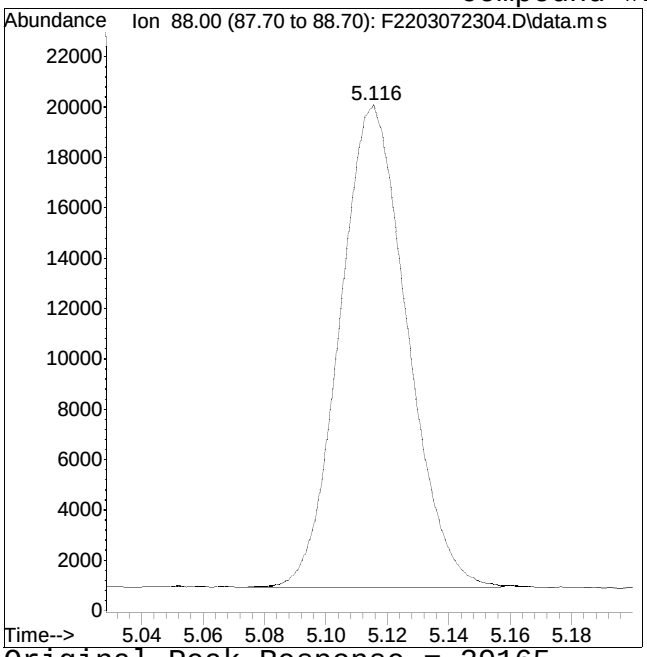
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

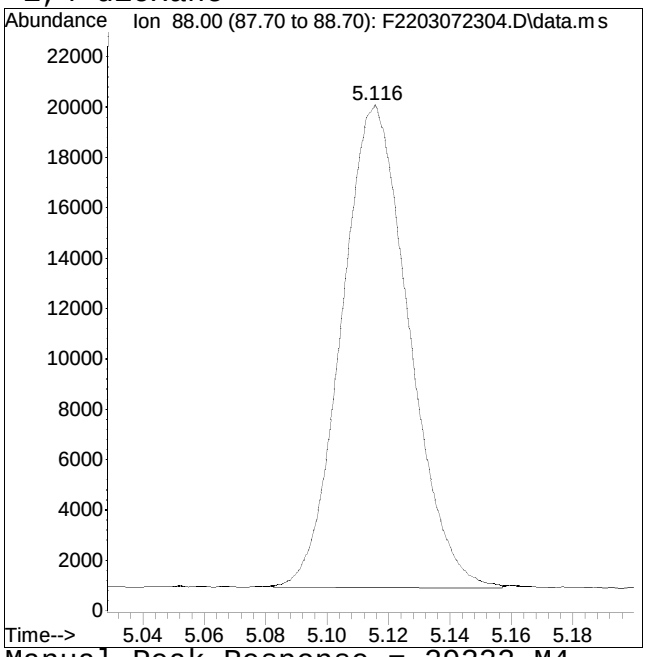
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072304.D
Date Inj'd : 3/7/2023 2:19 pm
Sample : I2203072303

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:06 am

Compound #2: 1,4-dioxane




Original Peak Response = 29165




Manual Peak Response = 29222 M4

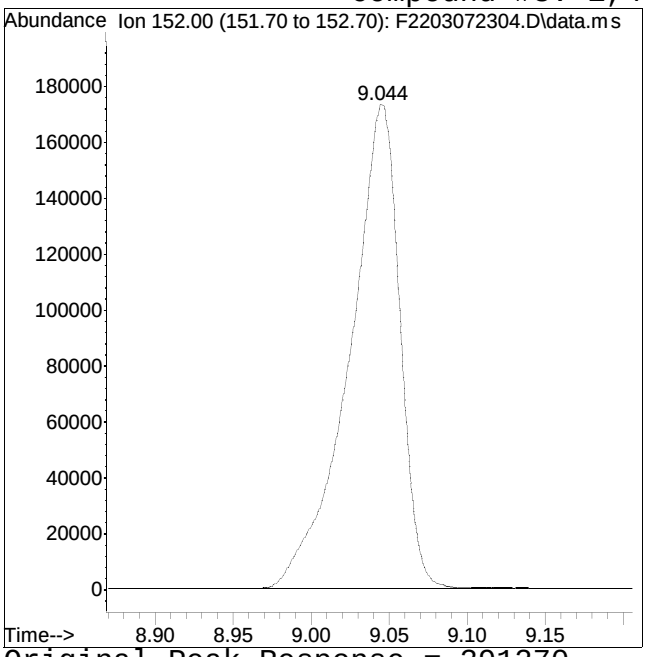
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

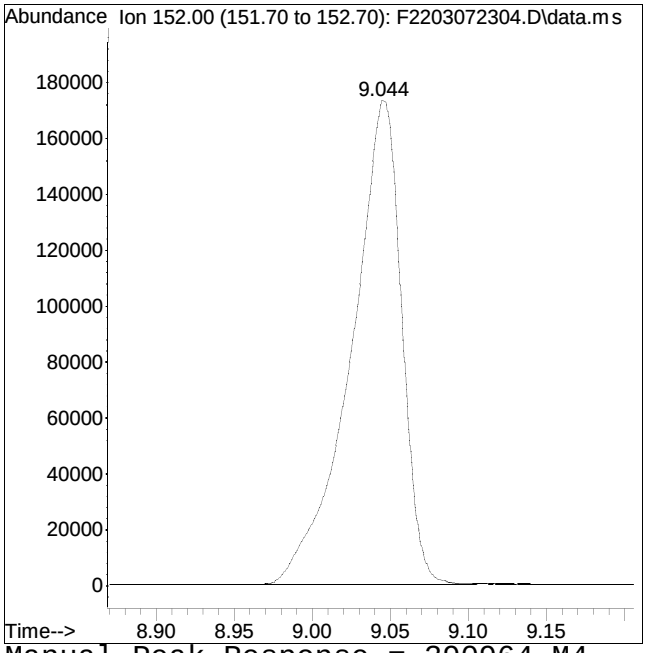
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072304.D
Date Inj'd : 3/7/2023 2:19 pm
Sample : I2203072303

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:06 am

Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 391270




Manual Peak Response = 390964 M4

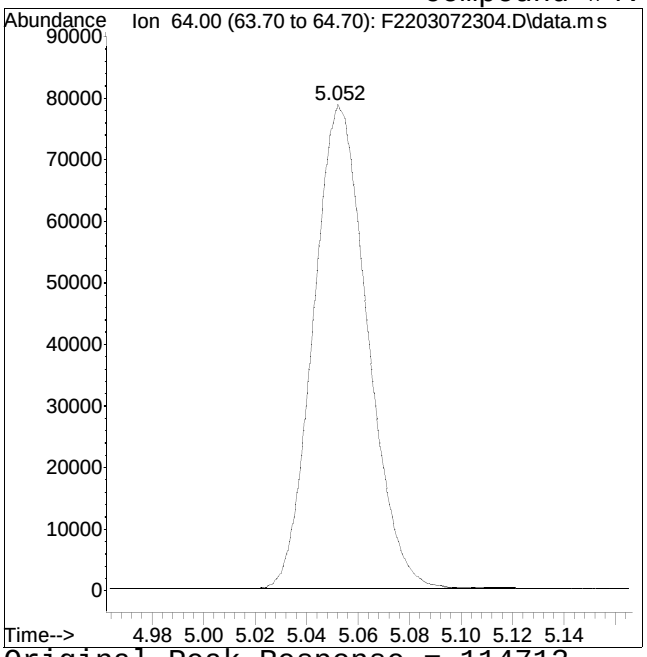
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

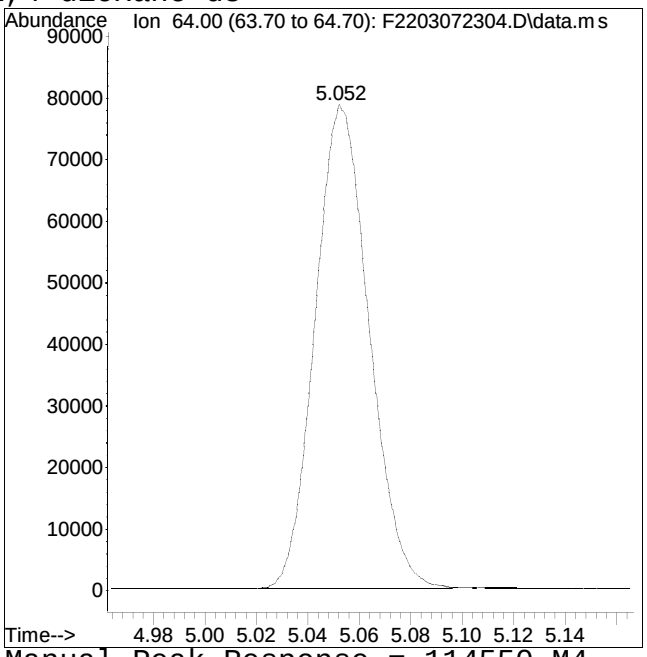
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072304.D
Date Inj'd : 3/7/2023 2:19 pm
Sample : I2203072303

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:06 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 114713




Manual Peak Response = 114550 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072305.D
Acq On : 7 Mar 2023 2:49 pm
Operator : PAH22:TPR
Sample : I2203072304
Misc : WG1752199,,MSBO62
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 08 06:15:11 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:14:16 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.055 | 64 | 116084M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.047 | 152 | 400731M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.055 | 64 | 116128M4 | 506.615 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 101.32% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.113 | 88 | 144490M4 | 479.944 | ng/mL | |

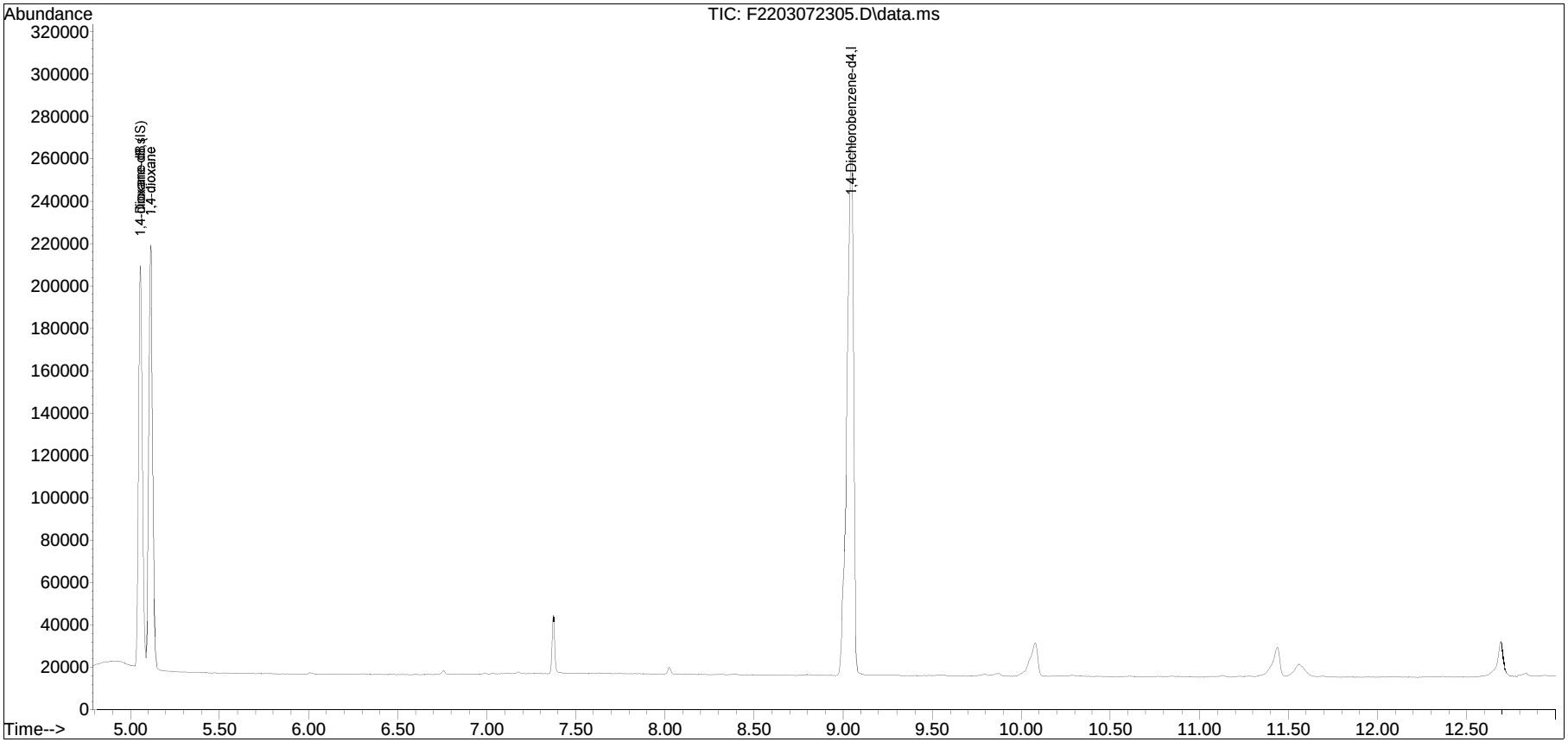
(#) = qualifier out of range (m) = manual integration (+) = signals summed

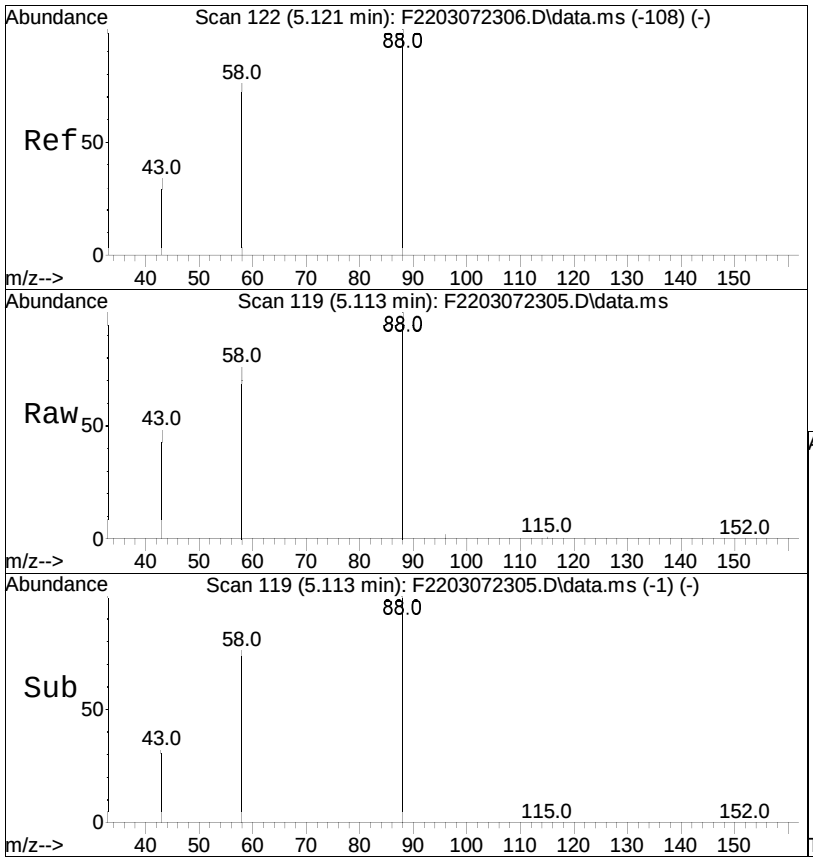
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072305.D
Acq On : 7 Mar 2023 2:49 pm
Operator : PAH22:TPR
Sample : I2203072304
Misc : WG1752199,,MSBO62
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 08 06:15:11 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:14:16 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

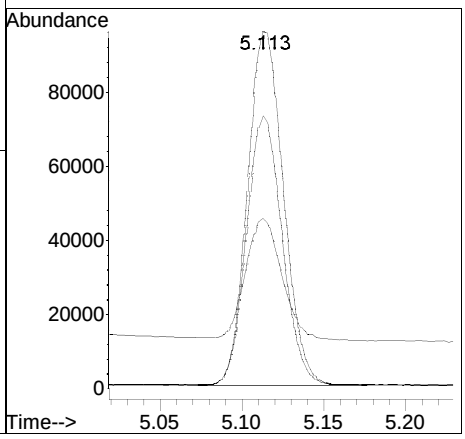





#2
1,4-dioxane
Concen: 479.94 ng/mL M4
RT: 5.113 min Scan# 119
Delta R.T. 0.000 min
Lab File: F2203072305.D
Acq: 7 Mar 2023 2:49 pm

Tgt Ion: 88 Resp: 144490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.4 | 60.3 | 90.5 |
| 43 | 34.6 | 27.7 | 41.5 |

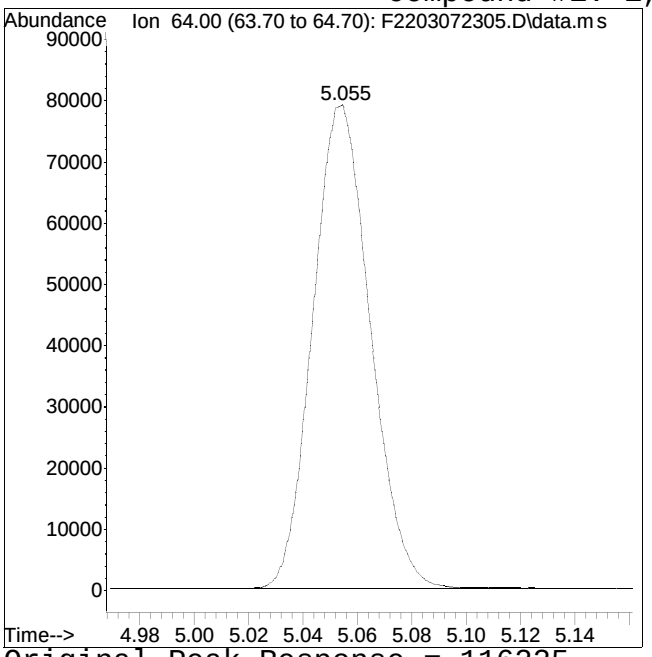


Manual Integration/Negative Proof Report

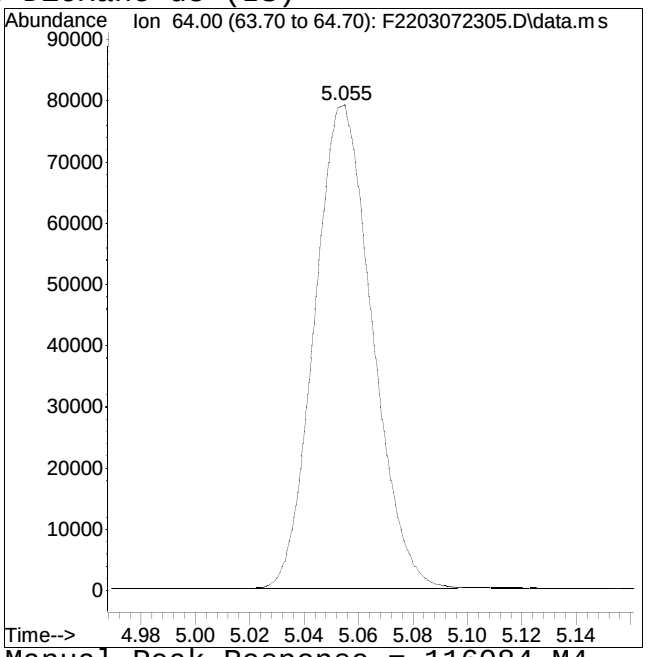
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072305.D
Date Inj'd : 3/7/2023 2:49 pm
Sample : I2203072304

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:14 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 116225




Manual Peak Response = 116084 M4

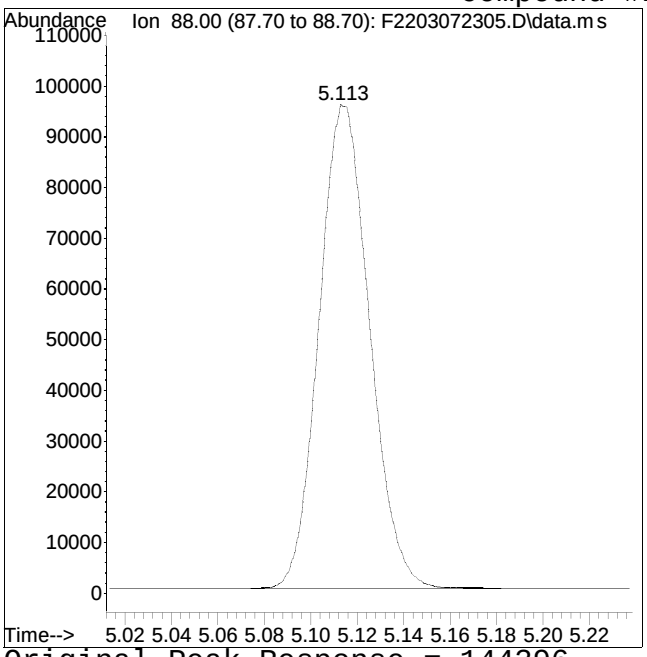
M4 = Poor automated baseline construction.

# Manual Integration/Negative Proof Report

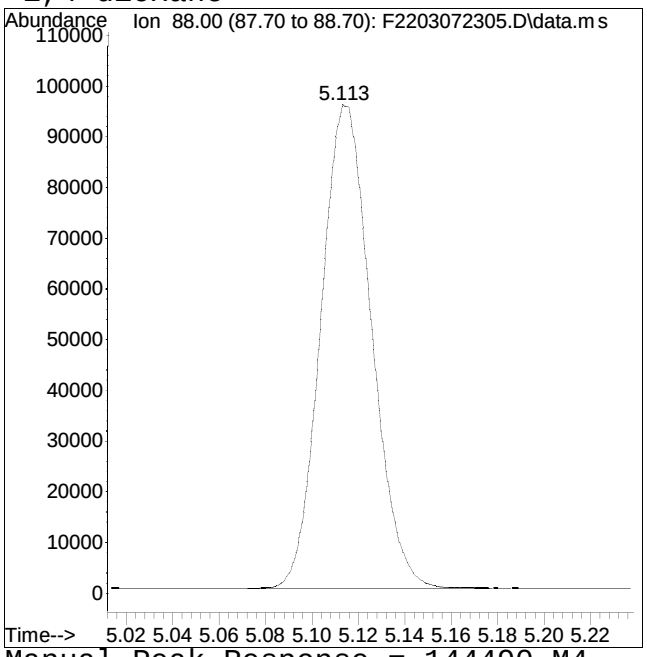
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072305.D
Date Inj'd : 3/7/2023 2:49 pm
Sample : I2203072304

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:14 am

Compound #2: 1,4-dioxane




Original Peak Response = 144396




Manual Peak Response = 144490 M4

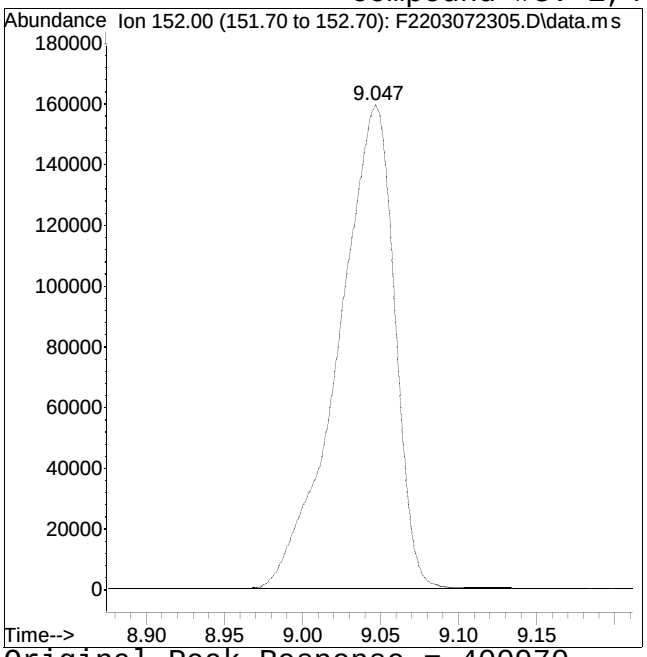
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

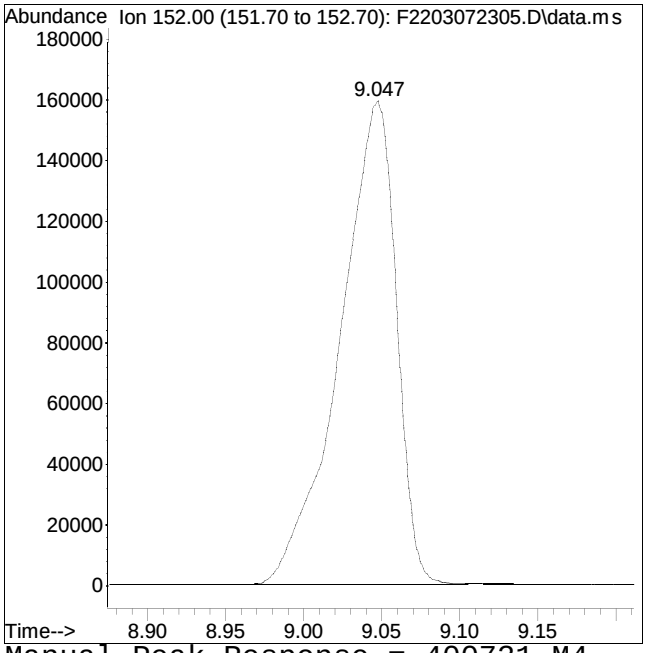
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072305.D
Date Inj'd : 3/7/2023 2:49 pm
Sample : I2203072304

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:14 am

Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 400970




Manual Peak Response = 400731 M4

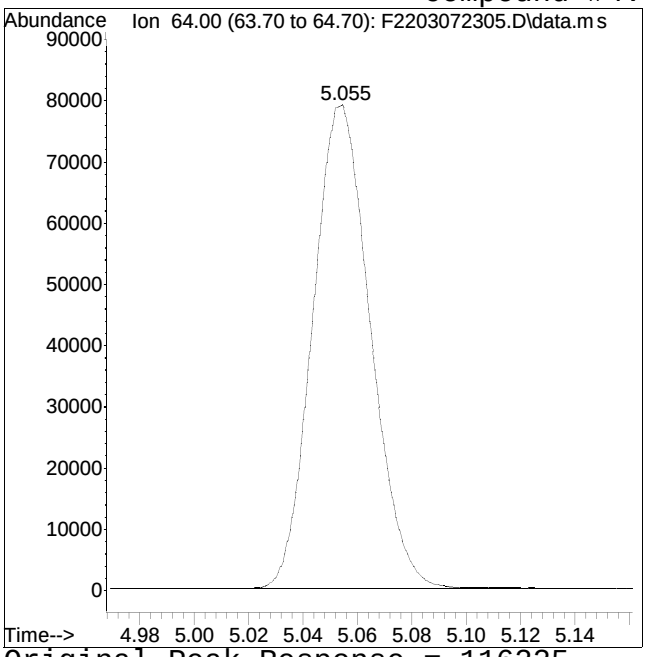
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

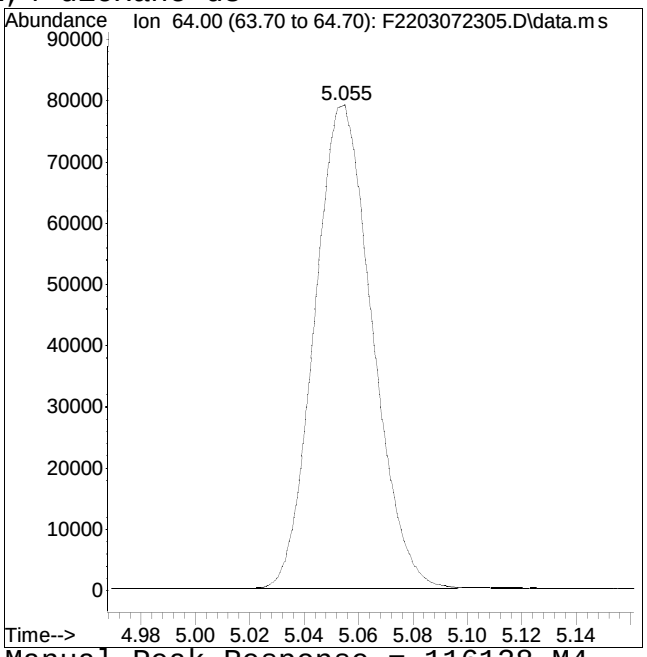
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072305.D
Date Inj'd : 3/7/2023 2:49 pm
Sample : I2203072304

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:14 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 116225




Manual Peak Response = 116128 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072306.D
Acq On : 7 Mar 2023 3:14 pm
Operator : PAH22:TPR
Sample : I2203072305
Misc : WG1752199,,MSBO63
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 08 06:53:26 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:53:10 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.063 | 64 | 115451M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.050 | 152 | 407593M2 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.063 | 64 | 115436M2 | 483.882 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 96.78% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.121 | 88 | 301663M2 | 1037.800 | ng/mL | |

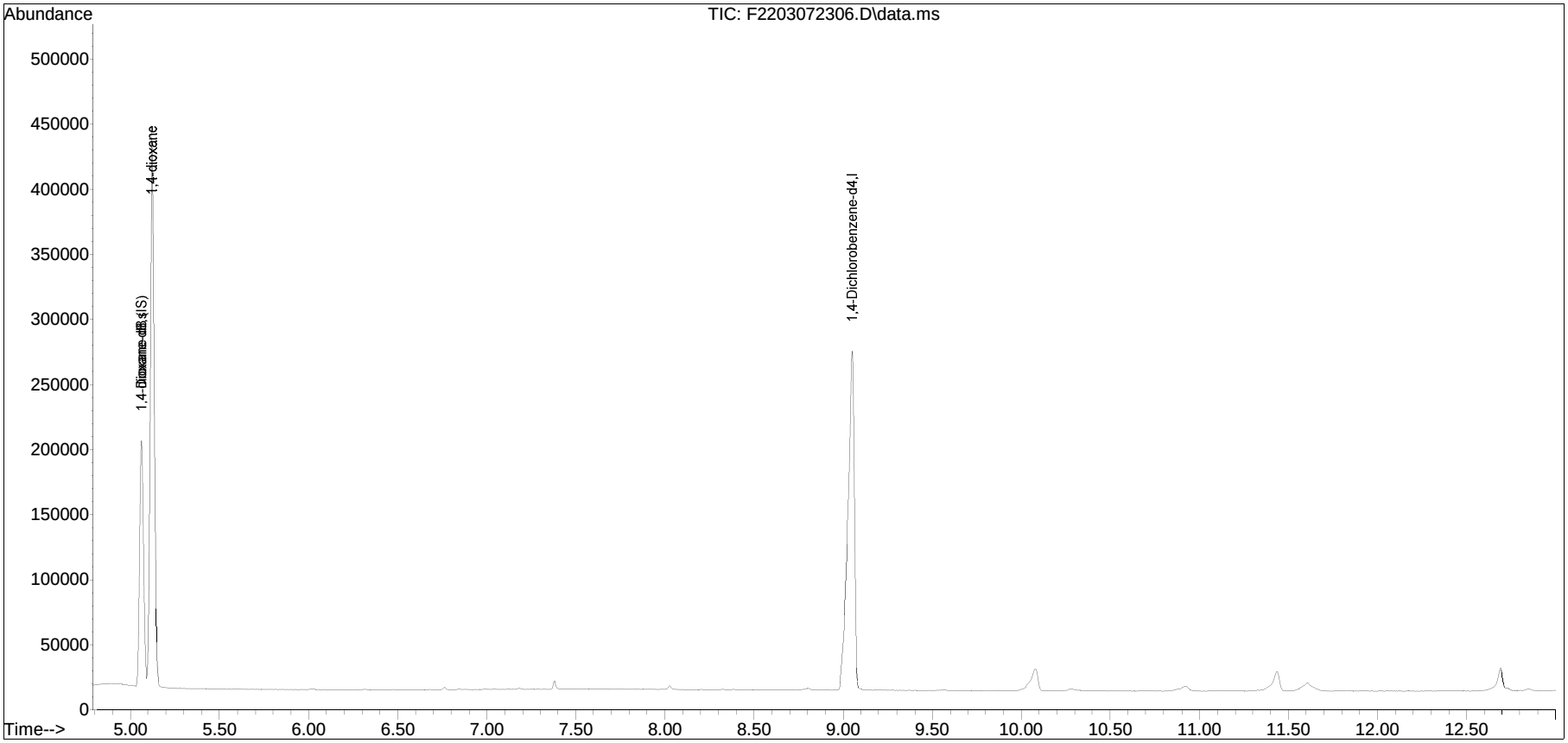
(#) = qualifier out of range (m) = manual integration (+) = signals summed

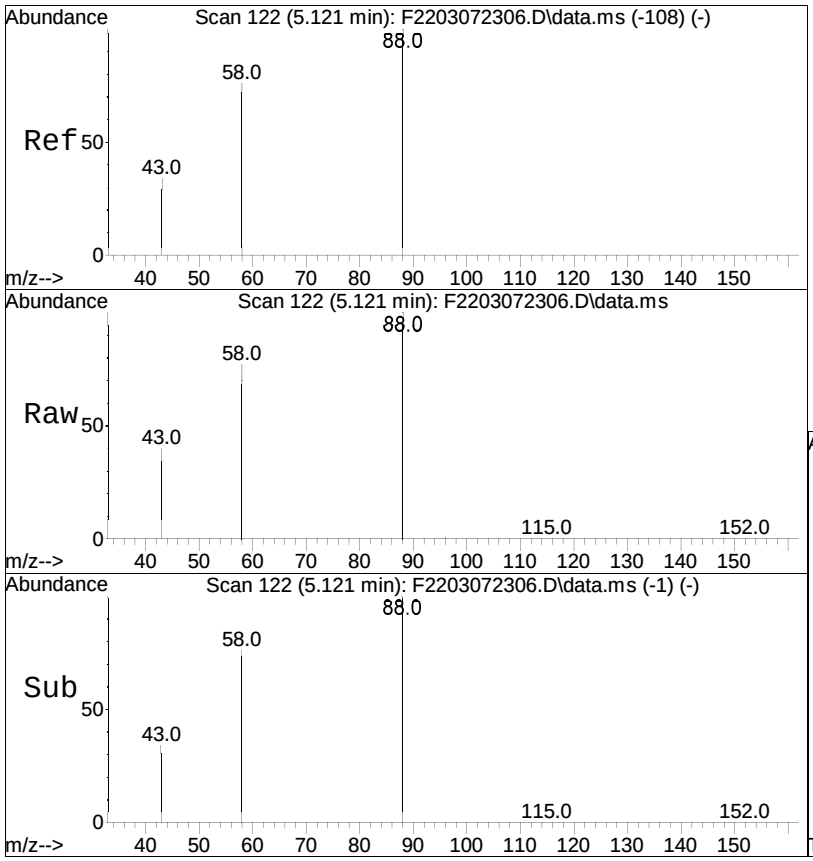
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072306.D
Acq On : 7 Mar 2023 3:14 pm
Operator : PAH22:TPR
Sample : I2203072305
Misc : WG1752199,,MSBO63
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 08 06:53:26 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:53:10 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

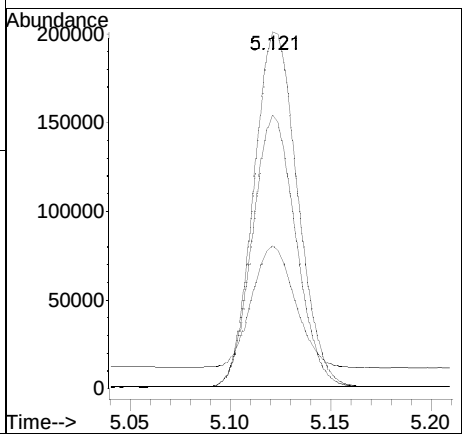





#2
1,4-dioxane
Concen: 1037.80 ng/mL M2
RT: 5.121 min Scan# 122
Delta R.T. 0.000 min
Lab File: F2203072306.D
Acq: 7 Mar 2023 3:14 pm

Tgt Ion: 88 Resp: 301663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 60.6 | 90.8 |
| 43 | 34.2 | 27.4 | 41.0 |

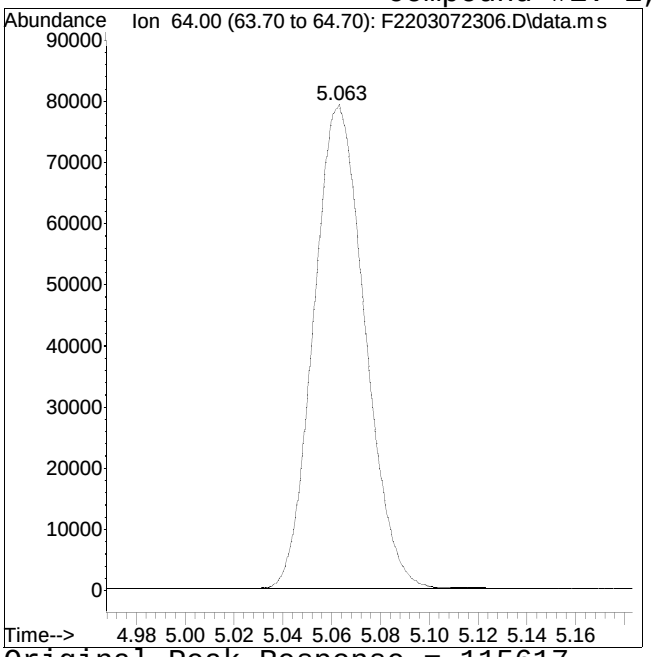


Manual Integration/Negative Proof Report

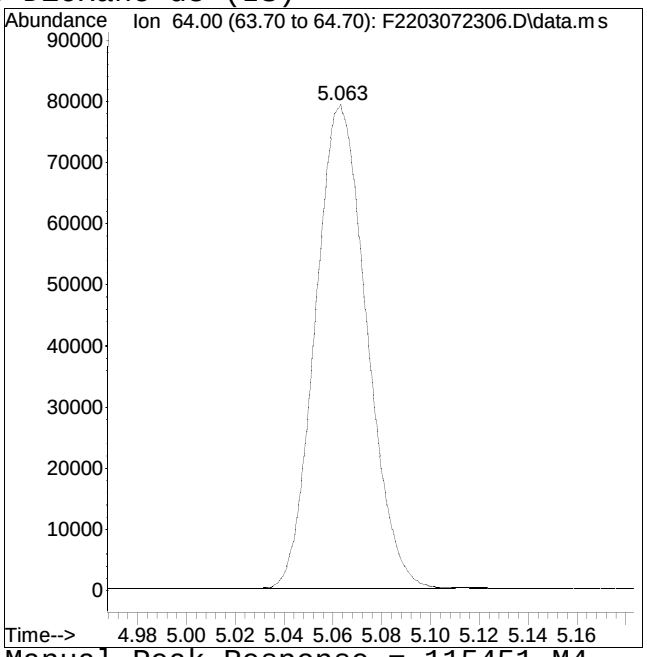
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072306.D
Date Inj'd : 3/7/2023 3:14 pm
Sample : I2203072305

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:53 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 115617




Manual Peak Response = 115451 M4

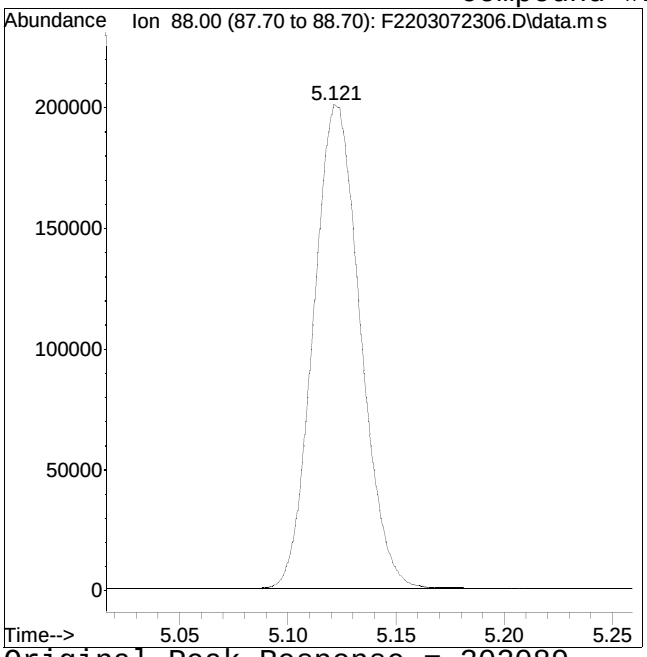
M4 = Poor automated baseline construction.

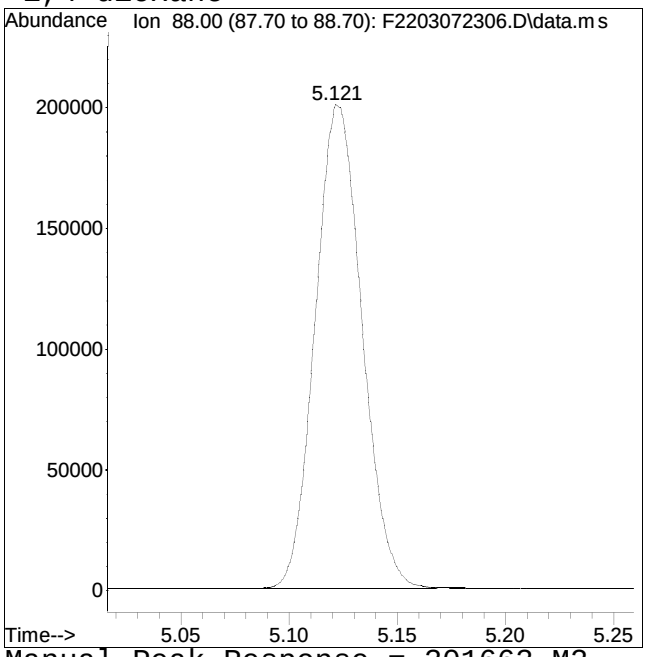
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072306.D
Date Inj'd : 3/7/2023 3:14 pm
Sample : I2203072305

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:53 am

Compound #2: 1,4-dioxane



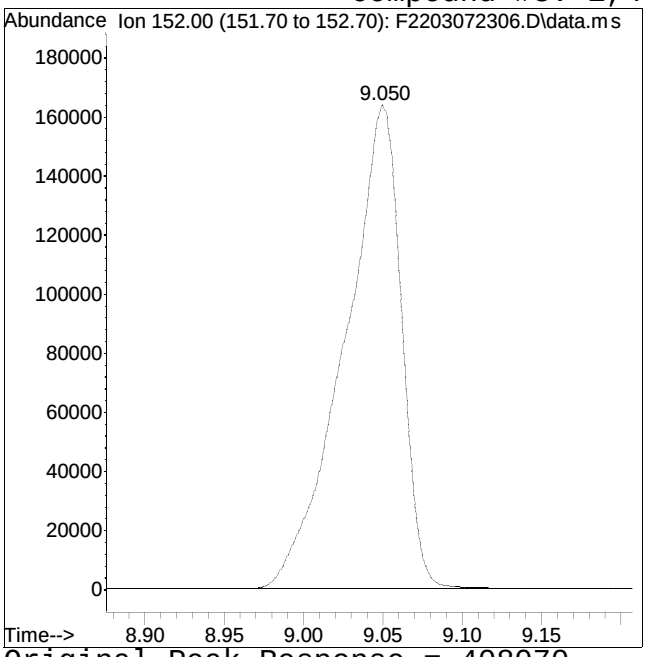

Original Peak Response = 302089 Manual Peak Response = 301663 M2
M2 = Peak not found by automatic integration algorithm.

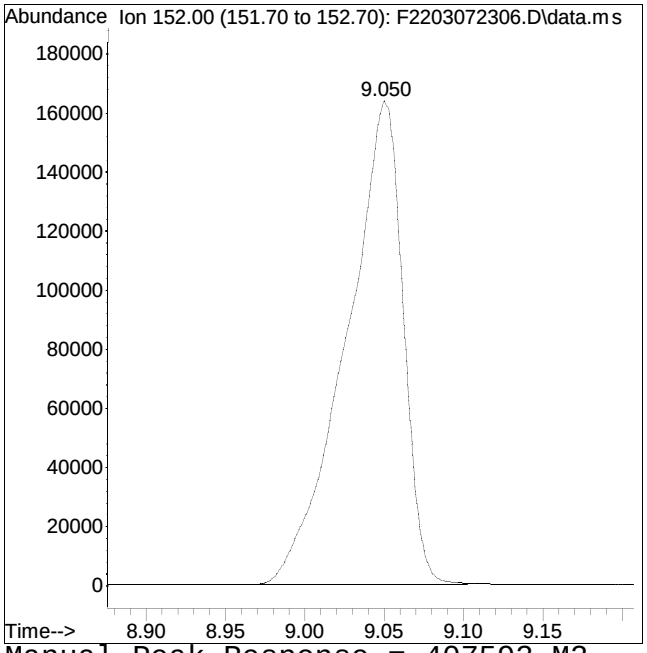
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072306.D
Date Inj'd : 3/7/2023 3:14 pm
Sample : I2203072305

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:53 am

Compound #3: 1,4-Dichlorobenzene-d4



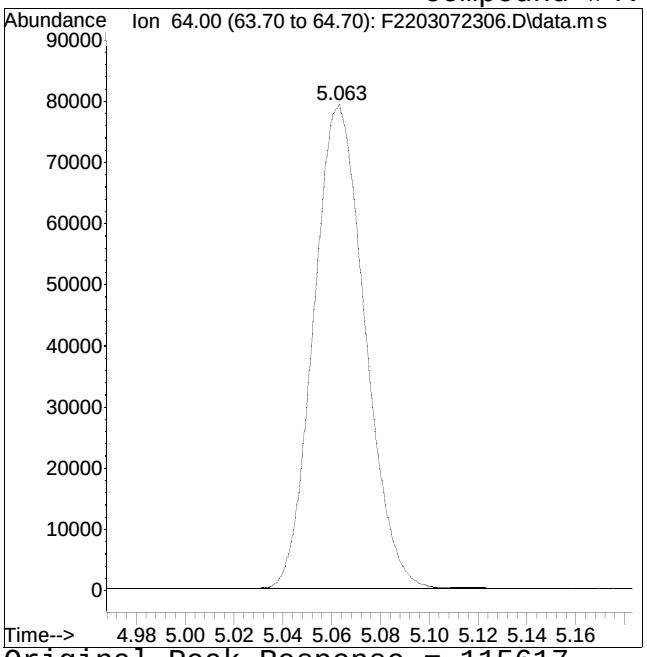

Original Peak Response = 408070 Manual Peak Response = 407593 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration/Negative Proof Report

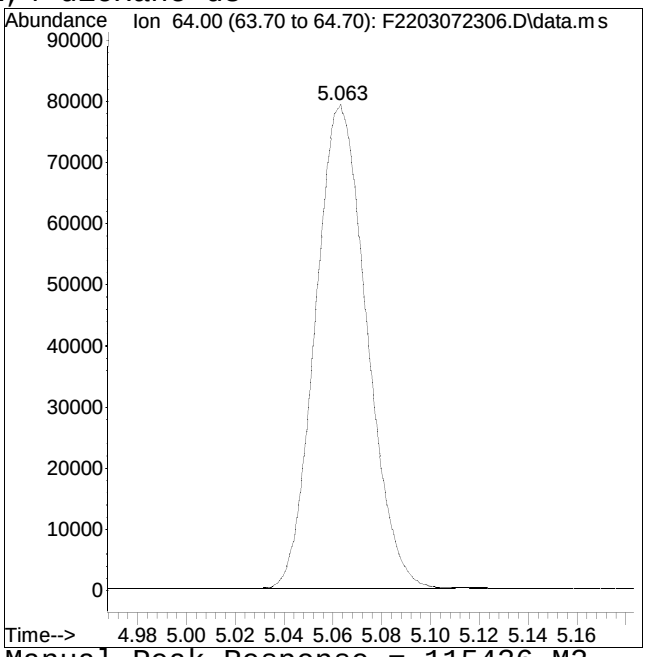
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072306.D
Date Inj'd : 3/7/2023 3:14 pm
Sample : I2203072305

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:53 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 115617




Manual Peak Response = 115436 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072307.D
Acq On : 7 Mar 2023 3:42 pm
Operator : PAH22:TPR
Sample : I2203072306
Misc : WG1752199,,MSBO64
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 08 06:20:00 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:18:51 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.041 | 64 | 122219M4 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 9.047 | 152 | 387469M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.041 | 64 | 122227M4 | 542.171 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 108.43% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.102 | 88 | 1434784 | 4599.180 | ng/mL | 100 |

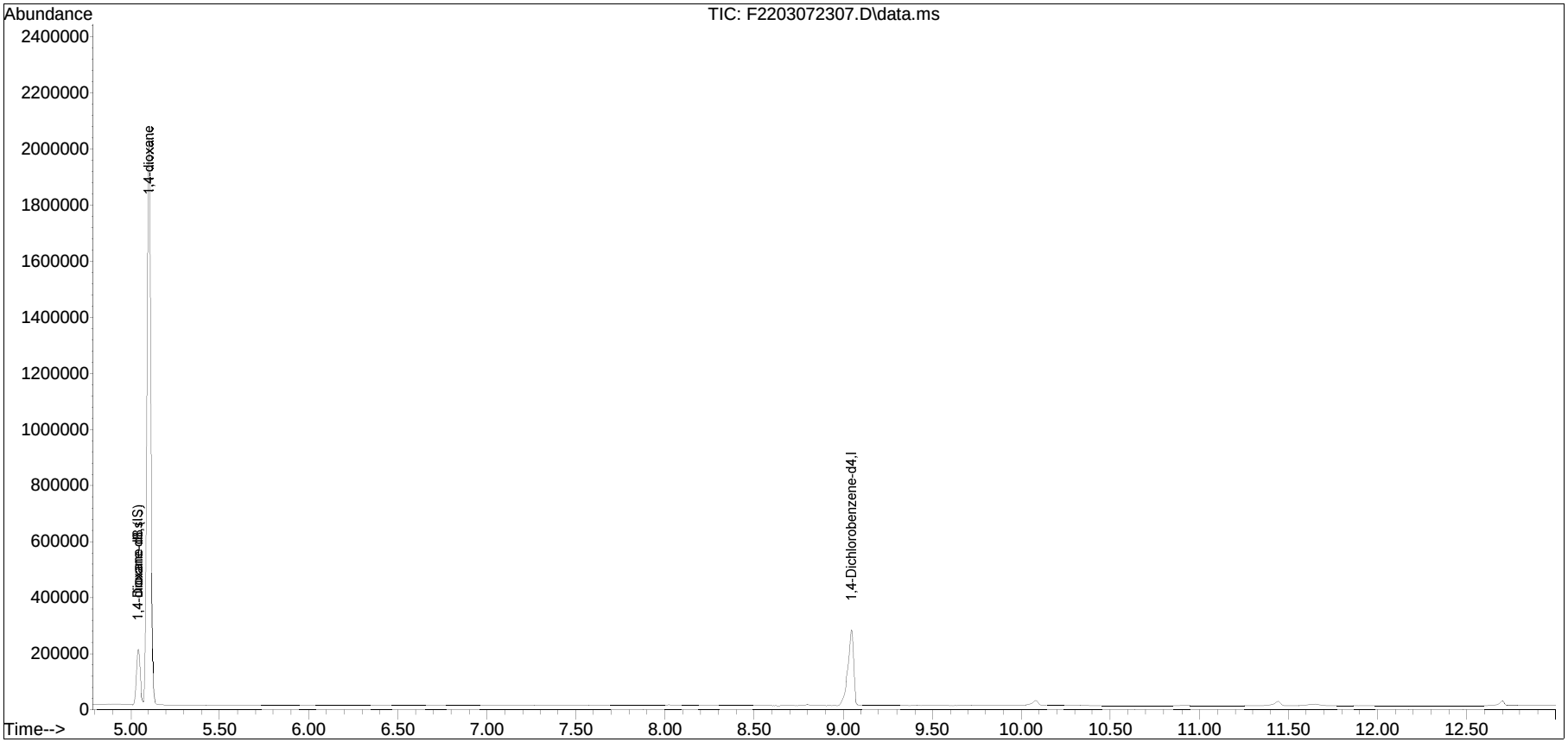
(#) = qualifier out of range (m) = manual integration (+) = signals summed

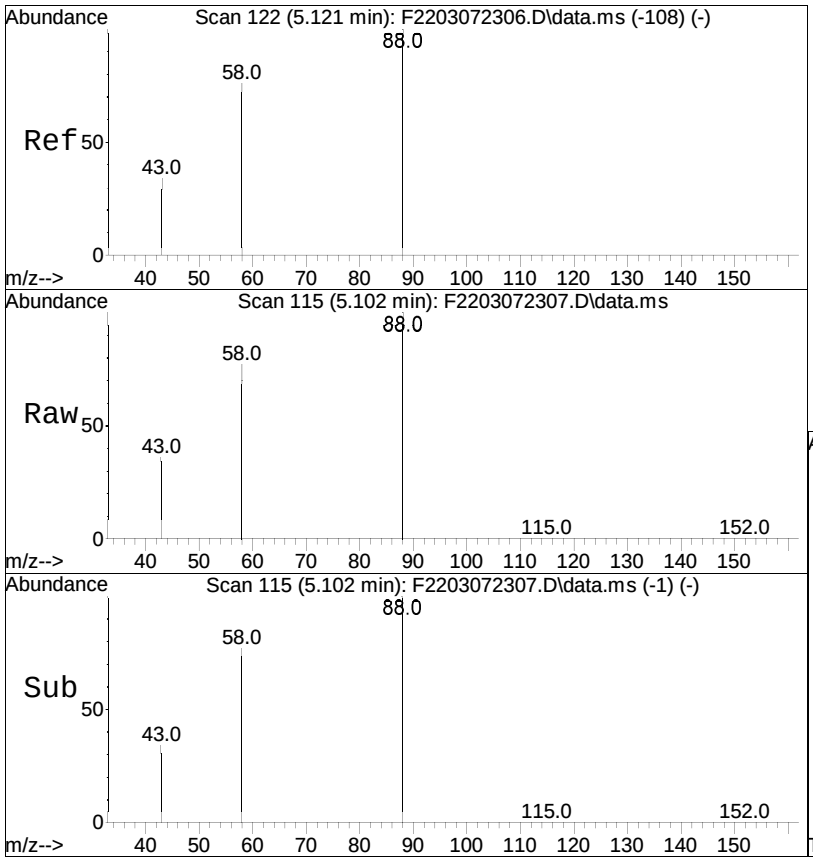
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072307.D
Acq On : 7 Mar 2023 3:42 pm
Operator : PAH22:TPR
Sample : I2203072306
Misc : WG1752199,,MSBO64
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 08 06:20:00 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:18:51 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

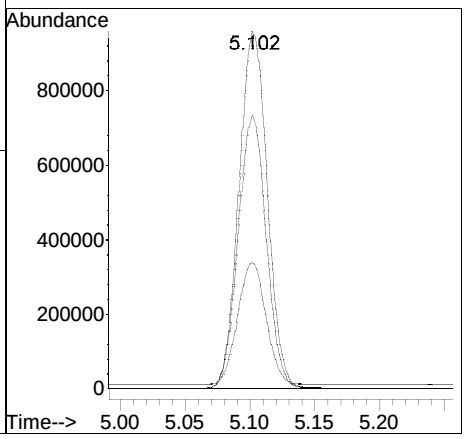





#2
1,4-dioxane
Concen: 4599.18 ng/mL
RT: 5.102 min Scan# 115
Delta R.T. 0.000 min
Lab File: F2203072307.D
Acq: 7 Mar 2023 3:42 pm

Tgt Ion: 88 Resp: 1434784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.0 | 60.8 | 91.2 |
| 43 | 34.3 | 27.4 | 41.2 |

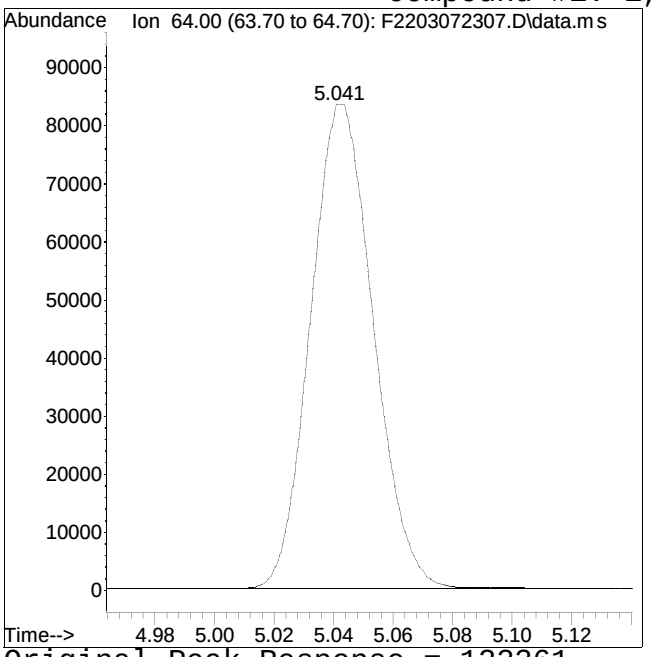


# Manual Integration/Negative Proof Report

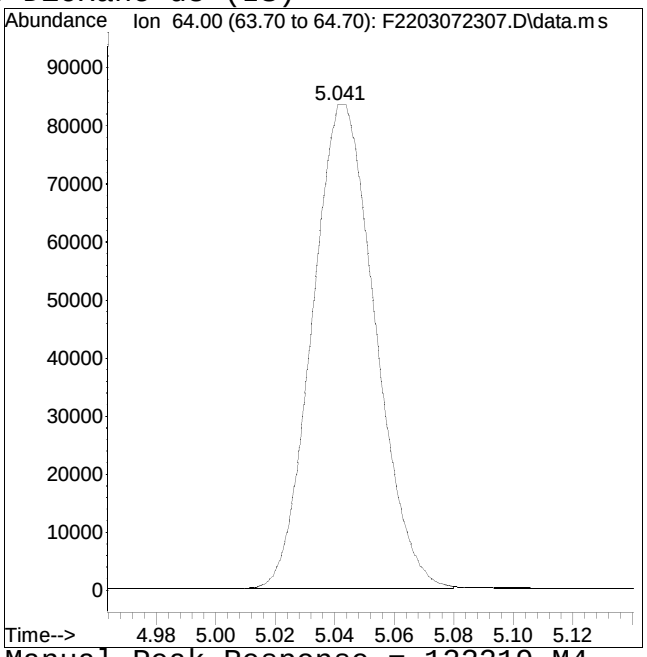
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072307.D
Date Inj'd : 3/7/2023 3:42 pm
Sample : I2203072306

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:19 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 122361




Manual Peak Response = 122219 M4

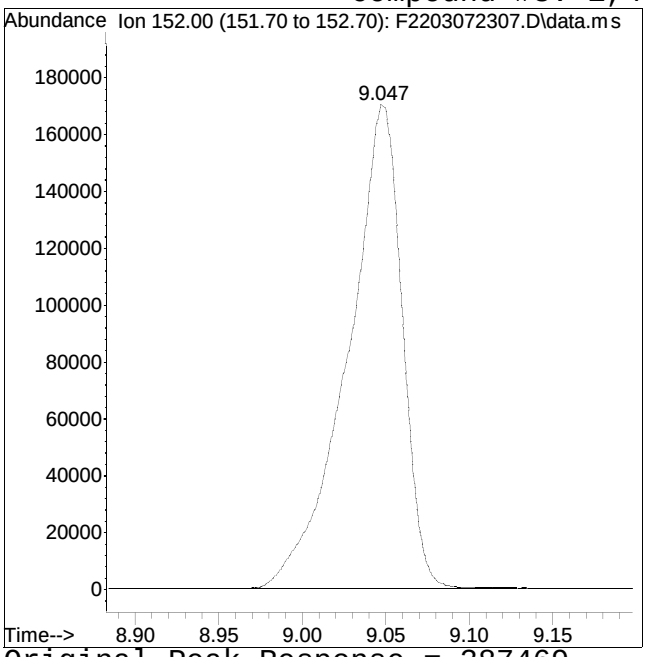
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

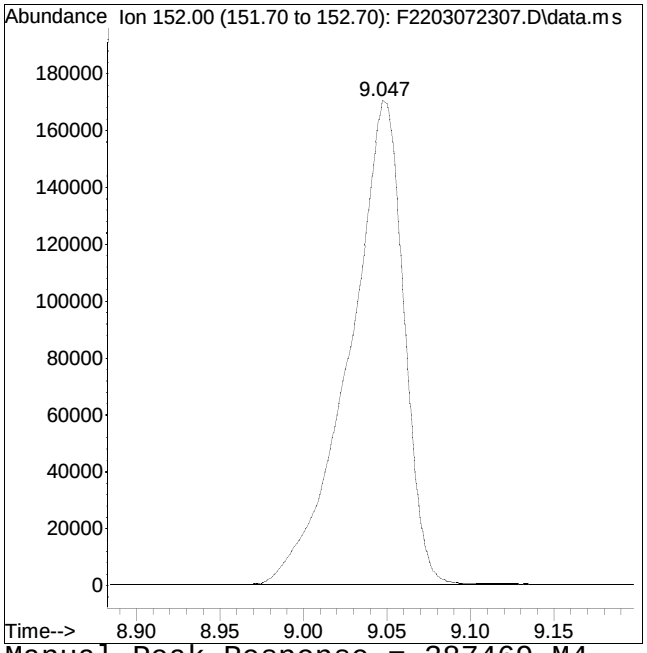
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072307.D
Date Inj'd : 3/7/2023 3:42 pm
Sample : I2203072306

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:19 am

Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 387469




Manual Peak Response = 387469 M4

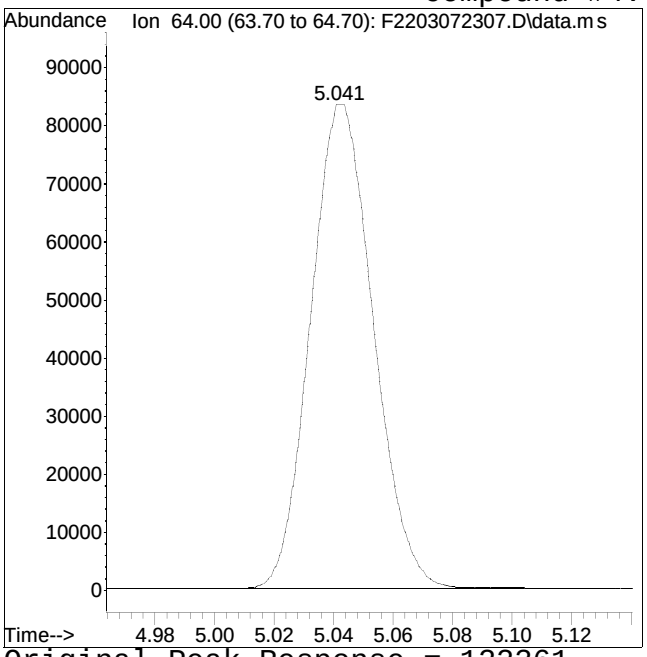
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

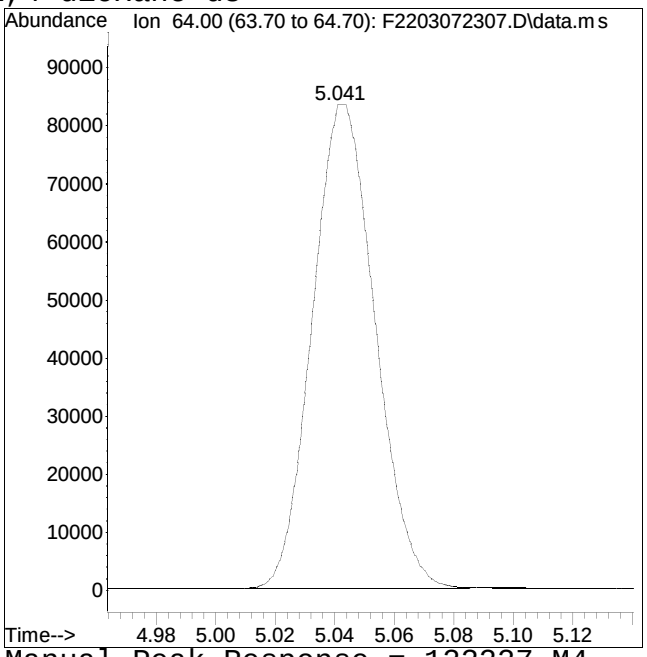
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072307.D
Date Inj'd : 3/7/2023 3:42 pm
Sample : I2203072306

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 6:19 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 122361




Manual Peak Response = 122227 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072308.D
Acq On : 7 Mar 2023 4:11 pm
Operator : PAH22:TPR
Sample : I2203072307
Misc : WG1752199,,MSBO58
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 08 06:24:17 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 05:26:11 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.083 | 64 | 124560M4 | 500.000 | ng/mL | 0.02 |
| 3) 1,4-Dichlorobenzene-d4 | 9.050 | 152 | 411034M4 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.083 | 64 | 124565M4 | 535.025 | ng/mL | 0.02 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 107.01% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.146 | 88 | 2876235M4 | 8837.337 | ng/mL | |

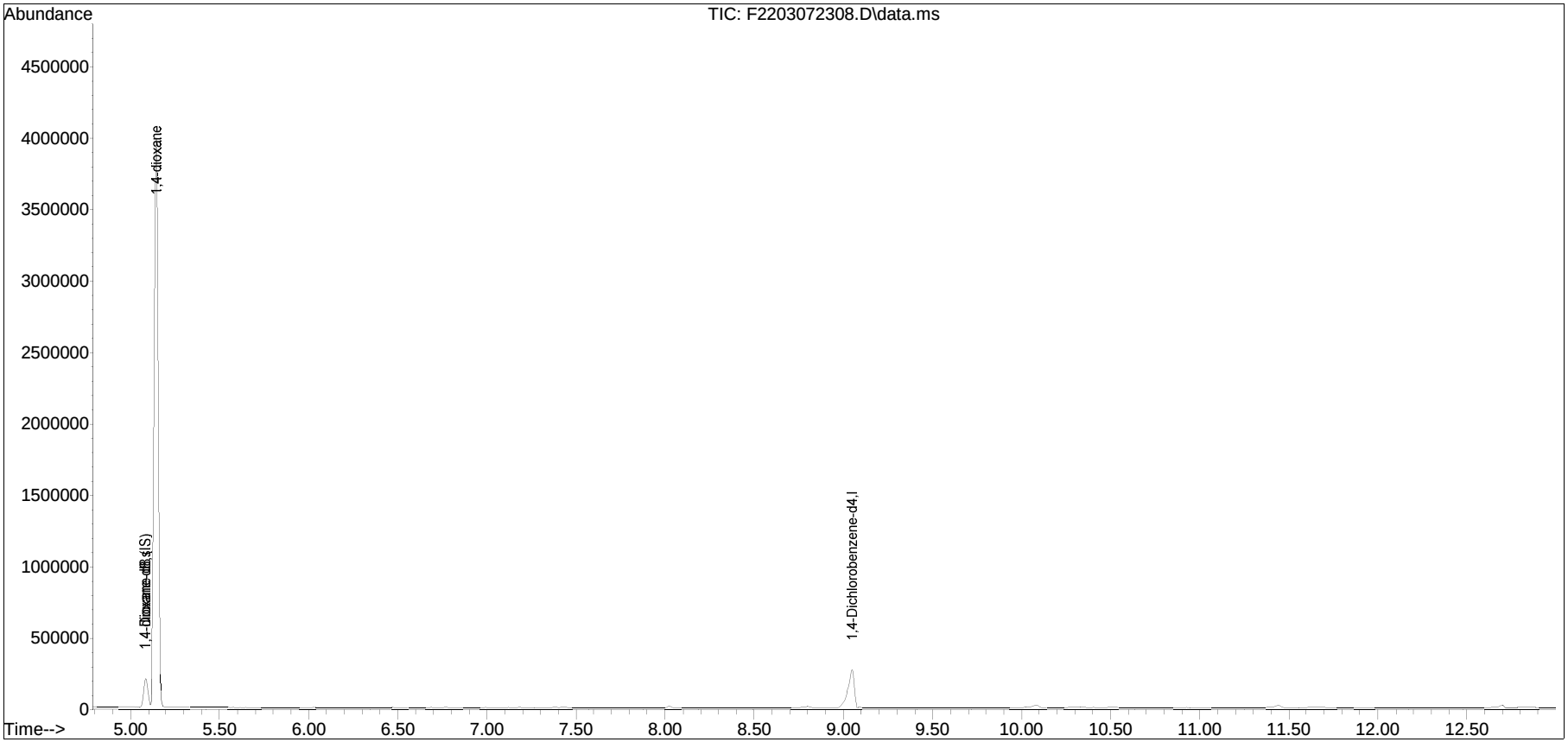
(#) = qualifier out of range (m) = manual integration (+) = signals summed

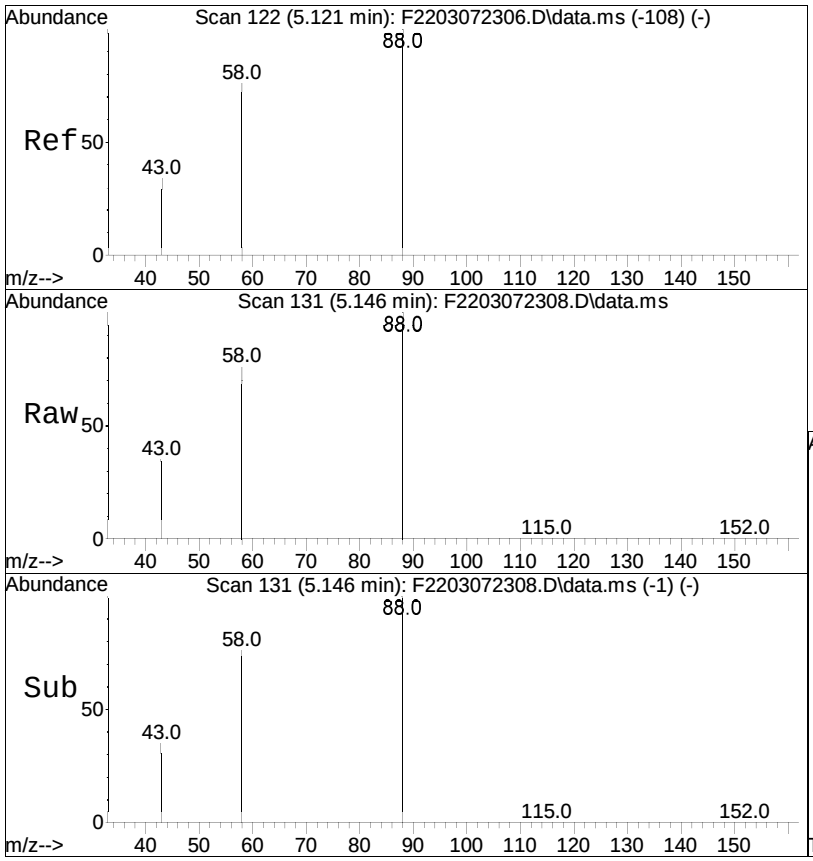
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072308.D
Acq On : 7 Mar 2023 4:11 pm
Operator : PAH22:TPR
Sample : I2203072307
Misc : WG1752199,,MSBO58
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 08 06:24:17 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 05:26:11 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

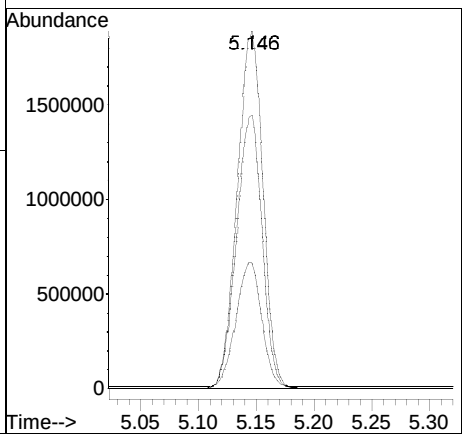





#2
1,4-dioxane
Concen: 8837.34 ng/mL M4
RT: 5.146 min Scan# 131
Delta R.T. 0.025 min
Lab File: F2203072308.D
Acq: 7 Mar 2023 4:11 pm

Tgt Ion: 88 Resp: 2876235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.5 | 60.6 | 90.8 |
| 43 | 34.9 | 27.4 | 41.0 |

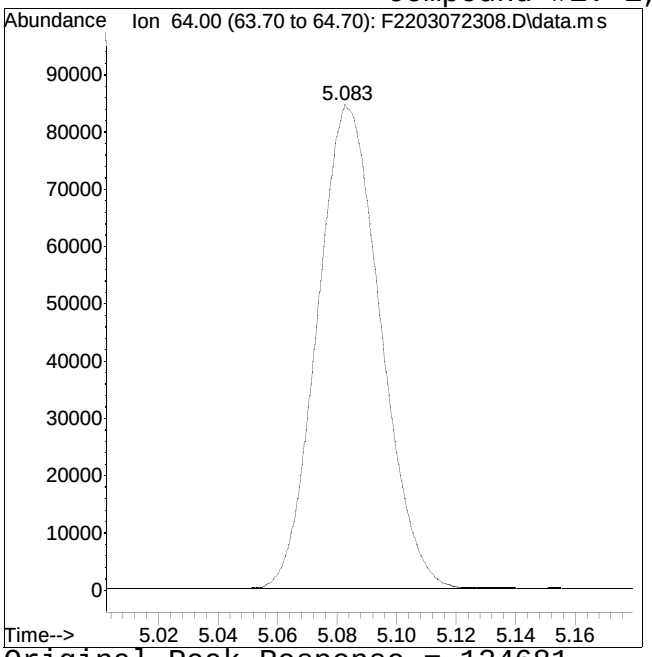


Manual Integration/Negative Proof Report

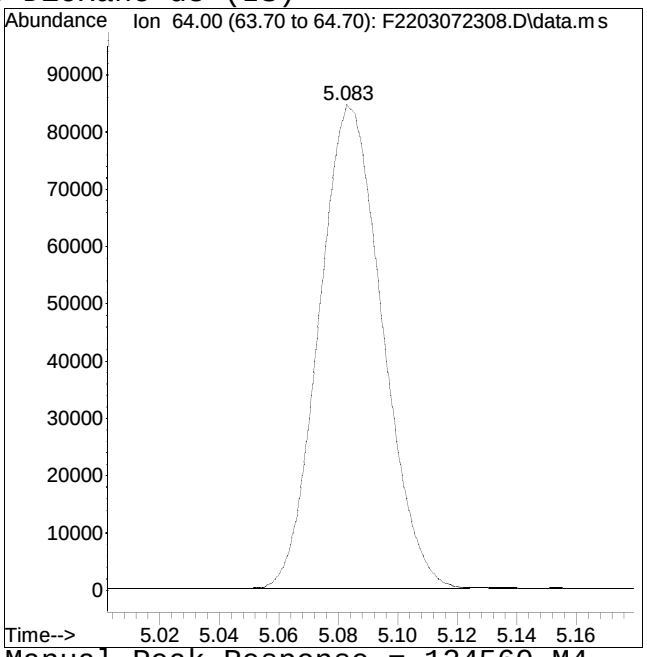
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072308.D
Date Inj'd : 3/7/2023 4:11 pm
Sample : I2203072307

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:27 am

Compound #1: 1,4-Dioxane-d8 (IS)




Original Peak Response = 124681




Manual Peak Response = 124560 M4

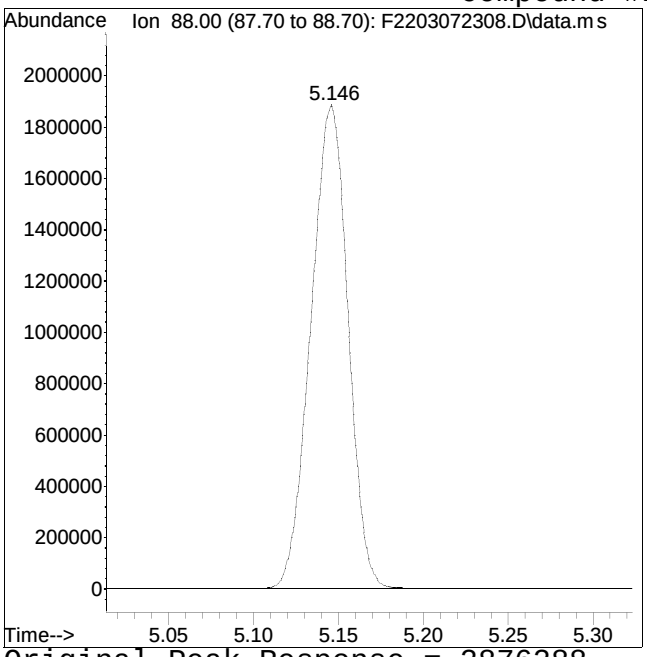
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

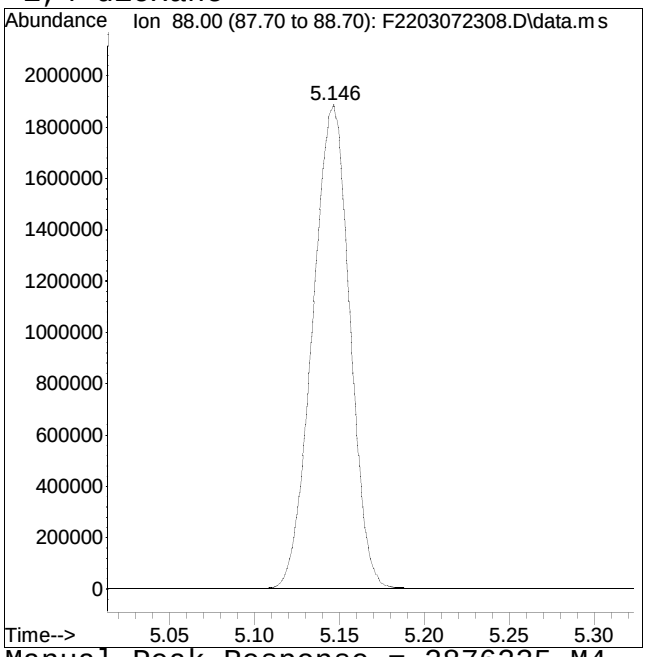
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072308.D
Date Inj'd : 3/7/2023 4:11 pm
Sample : I2203072307

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:27 am

Compound #2: 1,4-dioxane




Original Peak Response = 2876288




Manual Peak Response = 2876235 M4

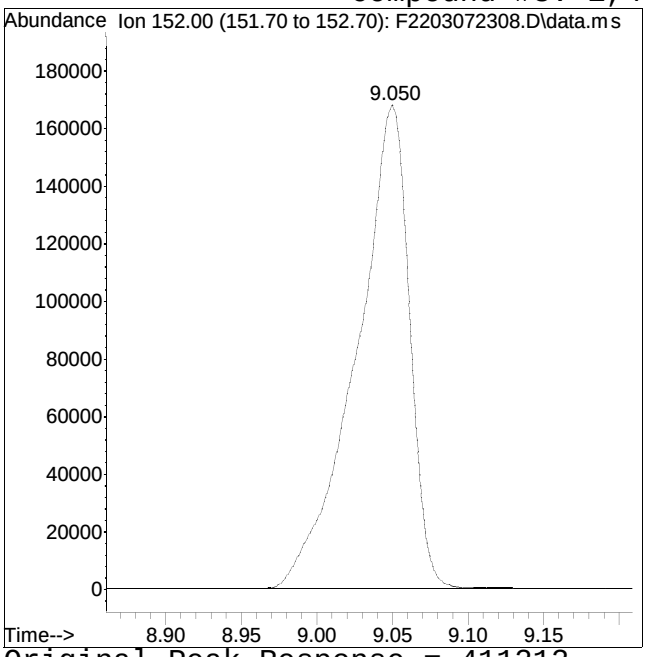
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

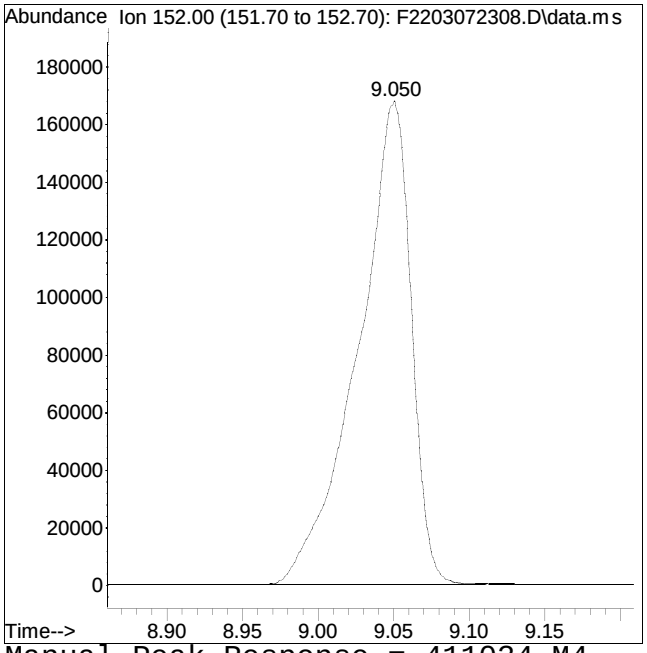
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072308.D
Date Inj'd : 3/7/2023 4:11 pm
Sample : I2203072307

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:27 am

Compound #3: 1,4-Dichlorobenzene-d4




Original Peak Response = 411212




Manual Peak Response = 411034 M4

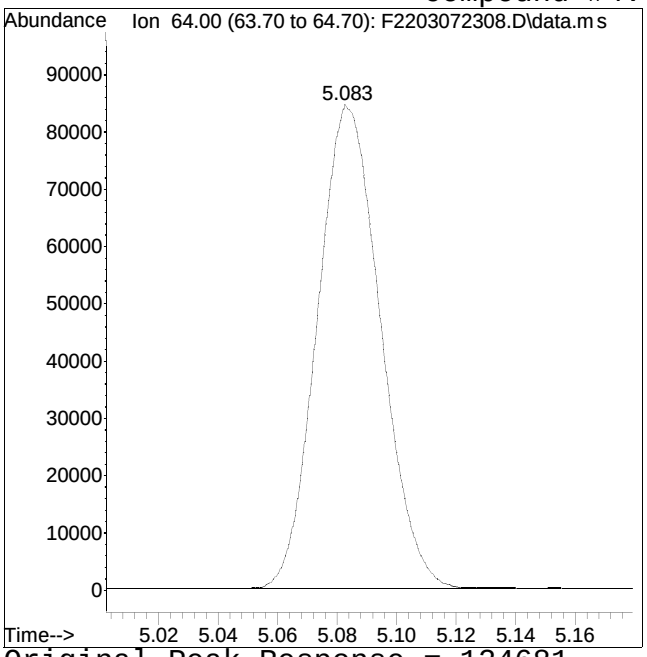
M4 = Poor automated baseline construction.

Manual Integration/Negative Proof Report

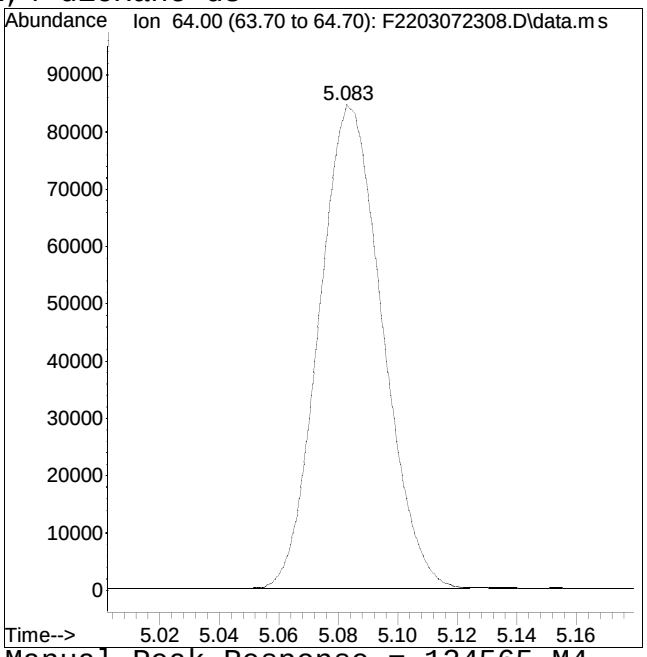
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2203072308.D
Date Inj'd : 3/7/2023 4:11 pm
Sample : I2203072307

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 3/8/2023 5:27 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 124681




Manual Peak Response = 124565 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072309.D
Acq On : 7 Mar 2023 4:41 pm
Operator : PAH22:TPR
Sample : CQ2203072301
Misc : WG1752199,,MSBO57
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 08 07:08:09 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:53:10 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dioxane-d8 (IS) | 1.000 | 1.000 | 0.0 | 112 | 0.04 |
| 2 | 1,4-dioxane | 1.259 | 1.160 | 7.9 | 99 | 0.04 |
| 3 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 4 s | 1,4-dioxane-d8 | 0.293 | 0.297 | -1.4 | 117 | 0.04 |

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

Quantitation Report (Not Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072309.D
Acq On : 7 Mar 2023 4:41 pm
Operator : PAH22:TPR
Sample : CQ2203072301
Misc : WG1752199,,MSBO57
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 08 07:08:09 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:53:10 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 5.099 | 64 | 128949 | 500.000 | ng/mL | 0.04 |
| 3) 1,4-Dichlorobenzene-d4 | 9.050 | 152 | 434065 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 5.099 | 64 | 128949 | 507.561 | ng/mL | 0.04 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 101.51% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 5.157 | 88 | 299137 | 921.386 | ng/mL | 100 |

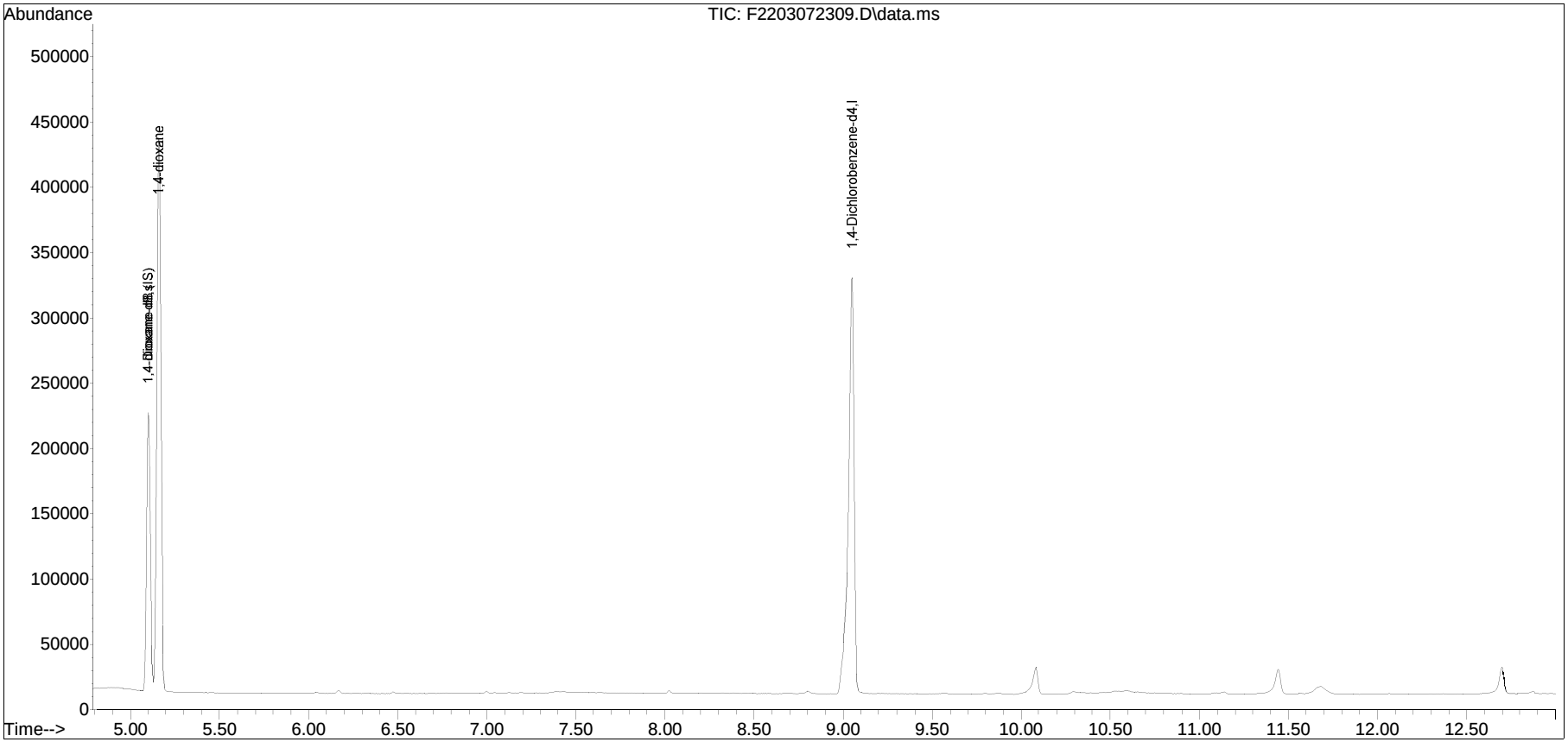
(#) = qualifier out of range (m) = manual integration (+) = signals summed

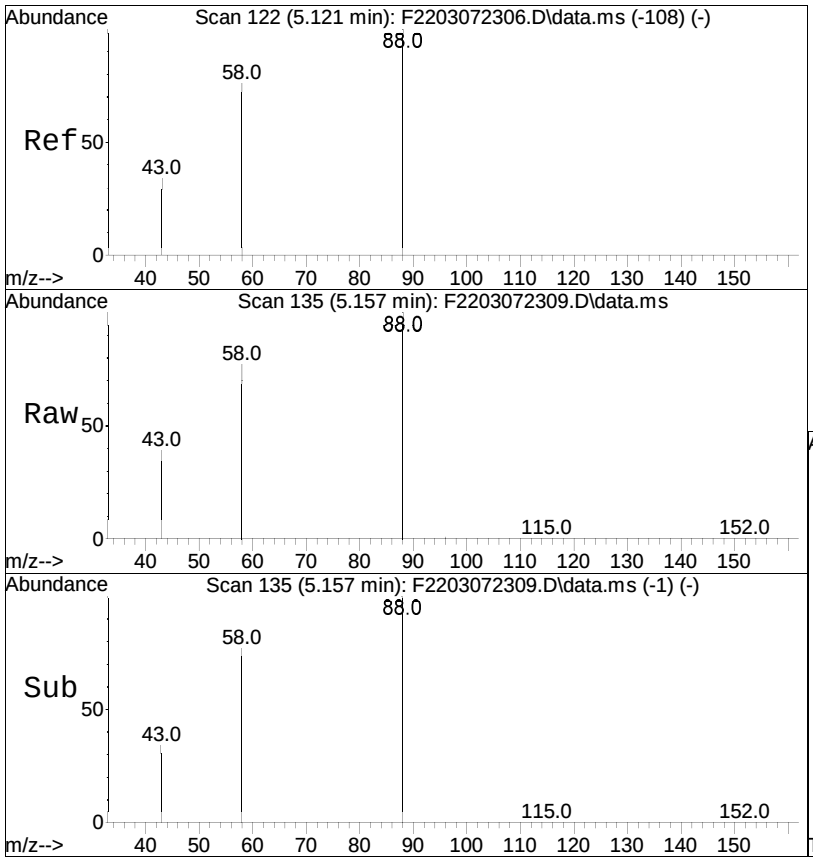
Quantitation Report (Not Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\MAR\MAR07\
Data File : F2203072309.D
Acq On : 7 Mar 2023 4:41 pm
Operator : PAH22:TPR
Sample : CQ2203072301
Misc : WG1752199,,MSBO57
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 08 07:08:09 2023
Quant Method : O:\Organics\DATA\PAH22\2023\MAR\MAR07\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Mar 08 06:53:10 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

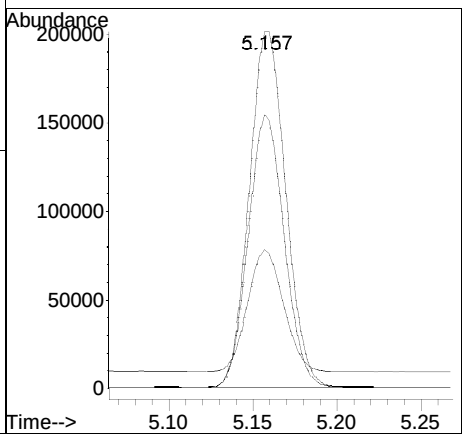





#2
1,4-dioxane
Concen: 921.39 ng/mL
RT: 5.157 min Scan# 135
Delta R.T. 0.036 min
Lab File: F2203072309.D
Acq: 7 Mar 2023 4:41 pm

Tgt Ion: 88 Resp: 299137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 60.6 | 90.8 |
| 43 | 34.1 | 27.4 | 41.0 |



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2203072309.D | Operator | : PAH22:TPR |
| Date Inj'd | : 3/7/2023 4:41 pm | Instrument | : PAH22 |
| Sample | : CQ2203072301 | Quant Date | : 3/8/2023 7:08 am |

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

# Continuing Calibration

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : PAH22 | **Calibration Date** | : 04/18/23 06:18 | | |
| **Lab File ID** | : F2204182302 | **Init. Calib. Date(s)** | : 03/07/23 | 03/07/23 | |
| **Sample No** | : WG1767955-2 | **Init. Calib. Times** | : 13:21 | 16:11 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane-d8 (IS) | 1 | 1 | - | 0 | 20 | 78 | .01 |
| 1,4-dioxane | 1.259 | 1.261 | - | -0.2 | 20 | 75 | .01 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 81 | 0 |
| 1,4-dioxane-d8 | 0.293 | 0.274 | - | 6.5 | 20 | 82 | .01 |

* Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : PAH22 | **Calibration Date** | : 04/18/23 15:42 | | |
| **Lab File ID** | : F2204182328 | **Init. Calib. Date(s)** | : 03/07/23 | 03/07/23 | |
| **Sample No** | : WG1767955-4 | **Init. Calib. Times** | : 13:21 | 16:11 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane-d8 (IS) | 1 | 1 | - | 0 | 20 | 76 | 0 |
| 1,4-dioxane | 1.259 | 1.256 | - | 0.2 | 20 | 73 | 0 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 79 | 0 |
| 1,4-dioxane-d8 | 0.293 | 0.273 | - | 6.8 | 20 | 80 | 0 |

* Value outside of QC limits.

# Calibration Verification Summary
# Form 7
# Semivolatiles

| | | | | | |
|---|---|---|---|---|---|
| **Client** | : Sterling Environmental Engineering | **Lab Number** | : L2319240 | | |
| **Project Name** | : TROY BELTING | **Project Number** | : 2011-31 TASK 911 | | |
| **Instrument ID** | : PAH22 | **Calibration Date** | : 04/19/23 07:14 | | |
| **Lab File ID** | : F2204192302 | **Init. Calib. Date(s)** | : 03/07/23 | 03/07/23 | |
| **Sample No** | : WG1768413-2 | **Init. Calib. Times** | : 13:21 | 16:11 | |
| **Channel** | : | | | | |

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1,4-Dioxane-d8 (IS) | 1 | 1 | - | 0 | 20 | 69 | 0 |
| 1,4-dioxane | 1.259 | 1.26 | - | -0.1 | 20 | 66 | 0 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 80 | 0 |
| 1,4-dioxane-d8 | 0.293 | 0.242 | - | 17.4 | 20 | 72 | 0 |

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182302.D
Acq On : 18 Apr 2023 6:18 am
Operator : PAH22:TPR
Sample : WG1767955-2
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 18 07:30:35 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
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 | 1,4-Dioxane-d8 (IS) | 1.000 | 1.000 | 0.0 | 78 | 0.01 |
| 2 | 1,4-dioxane | 1.259 | 1.261 | -0.2 | 75 | 0.01 |
| 3 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 4 s | 1,4-dioxane-d8 | 0.293 | 0.274 | 6.5 | 82 | 0.01 |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182302.D
Acq On : 18 Apr 2023 6:18 am
Operator : PAH22:TPR
Sample : WG1767955-2
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 18 07:30:35 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.530 | 64 | 90118M2 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 8.001 | 152 | 329338 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.530 | 64 | 90139M2 | 467.623 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 93.52% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.574 | 88 | 227233M2 | 1001.496 | ng/mL | |

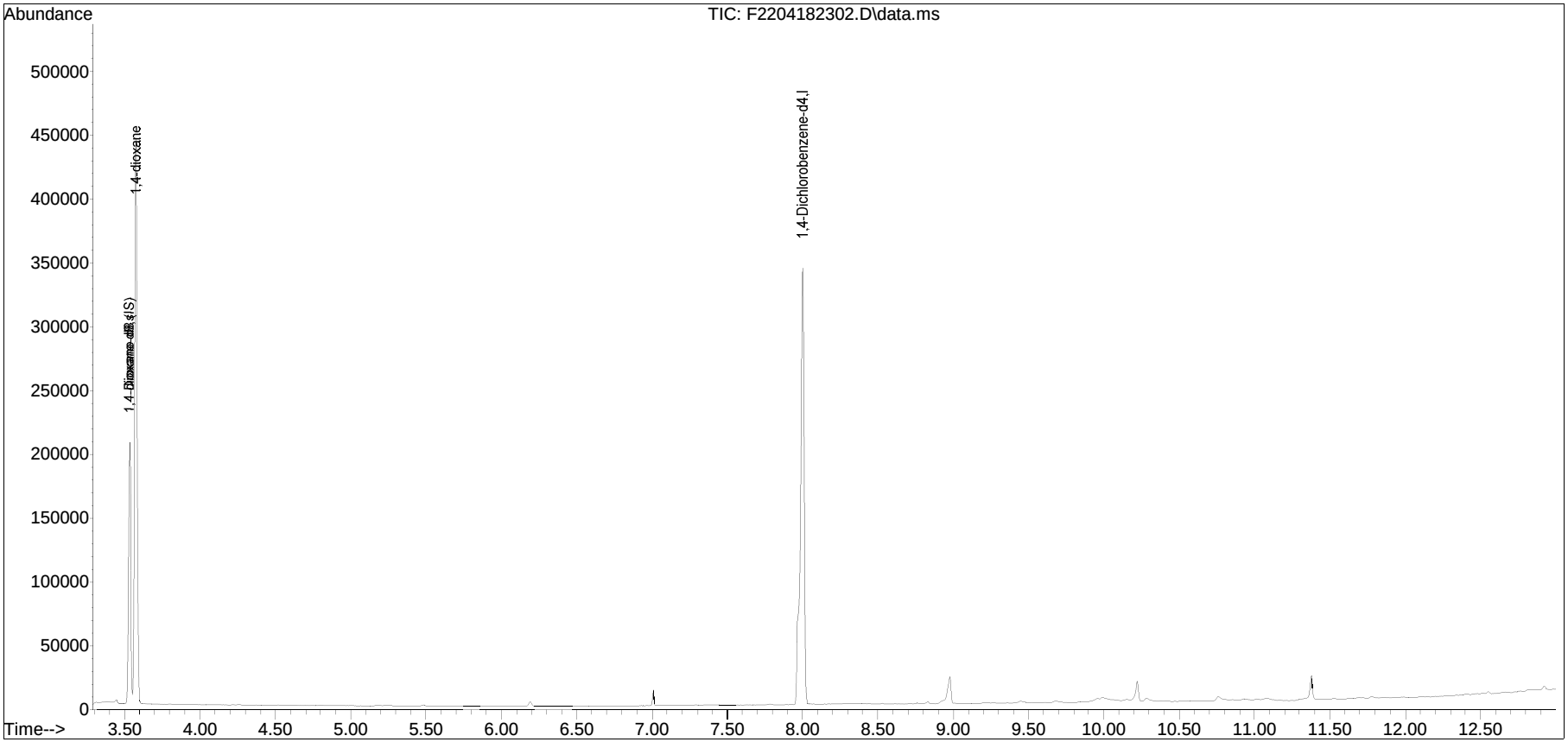
(#) = qualifier out of range (m) = manual integration (+) = signals summed

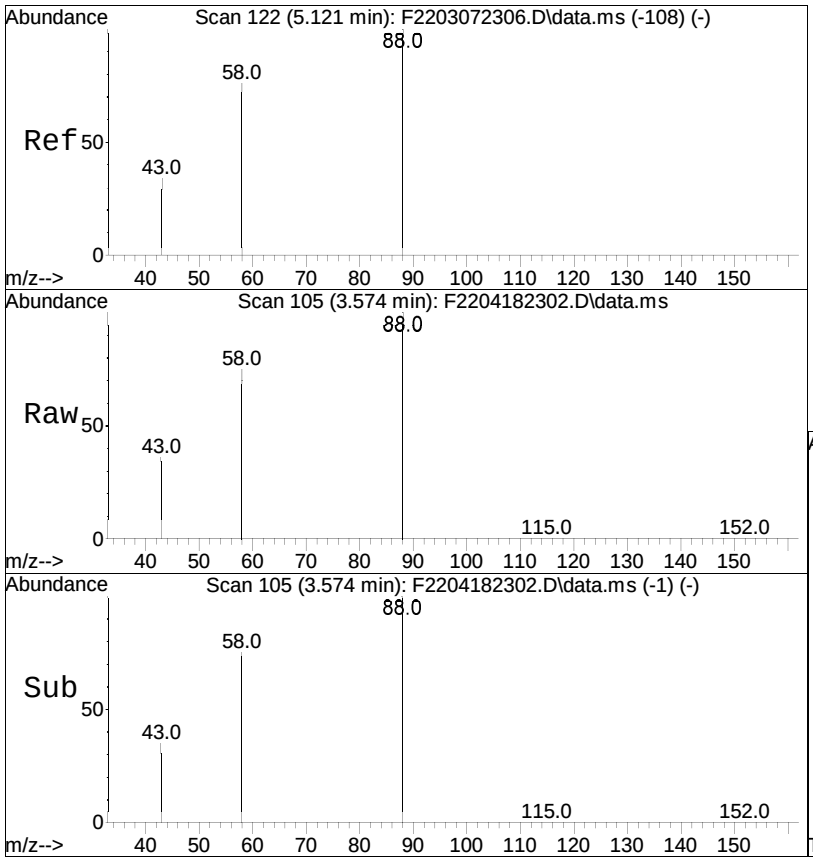
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182302.D
Acq On : 18 Apr 2023 6:18 am
Operator : PAH22:TPR
Sample : WG1767955-2
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 18 07:30:35 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

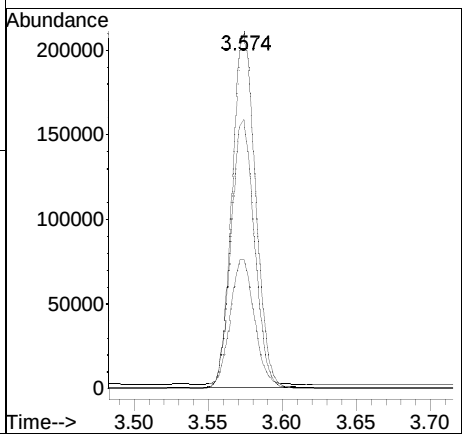





#2
1,4-dioxane
Concen: 1001.50 ng/mL M2
RT: 3.574 min Scan# 105
Delta R.T. 0.000 min
Lab File: F2204182302.D
Acq: 18 Apr 2023 6:18 am

Tgt Ion: 88 Resp: 227233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.8 | 59.4 | 89.0 |
| 43 | 35.5 | 24.6 | 36.8 |

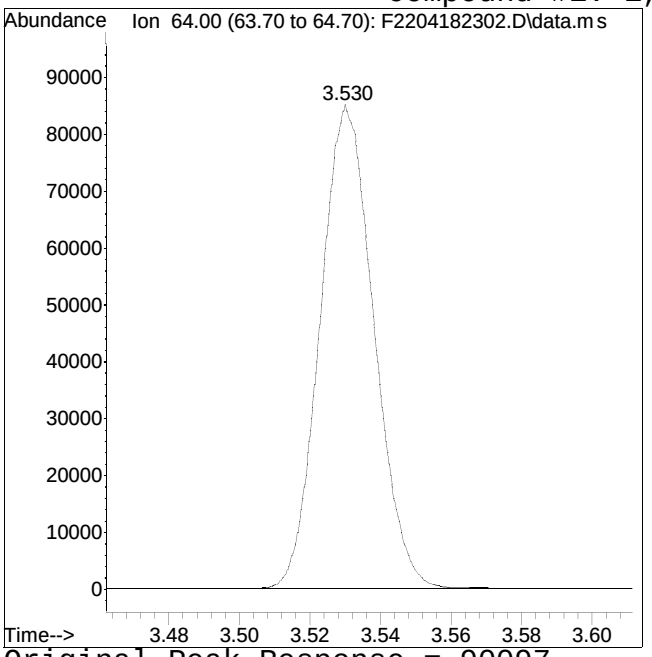


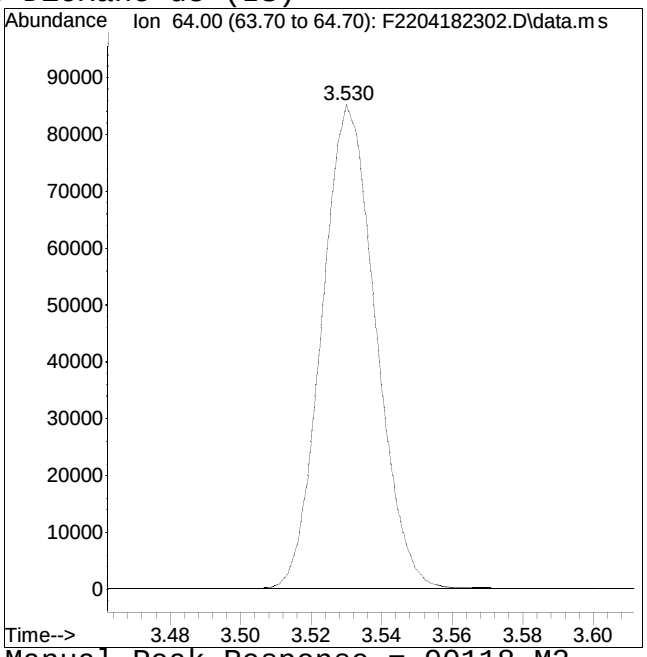
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182302.D
Date Inj'd : 4/18/2023 6:18 am
Sample : WG1767955-2

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/18/2023 7:31 am

Compound #1: 1,4-Dioxane-d8 (IS)



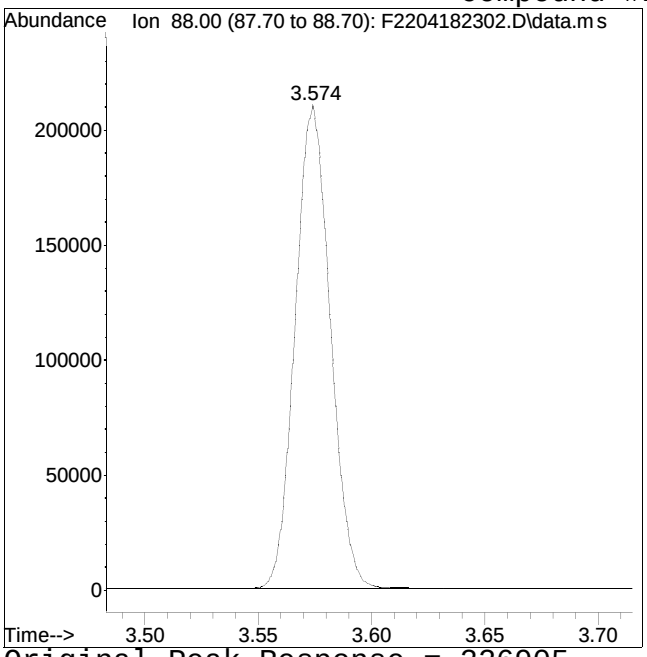

Original Peak Response = 90097 Manual Peak Response = 90118 M2
M2 = Peak not found by automatic integration algorithm.

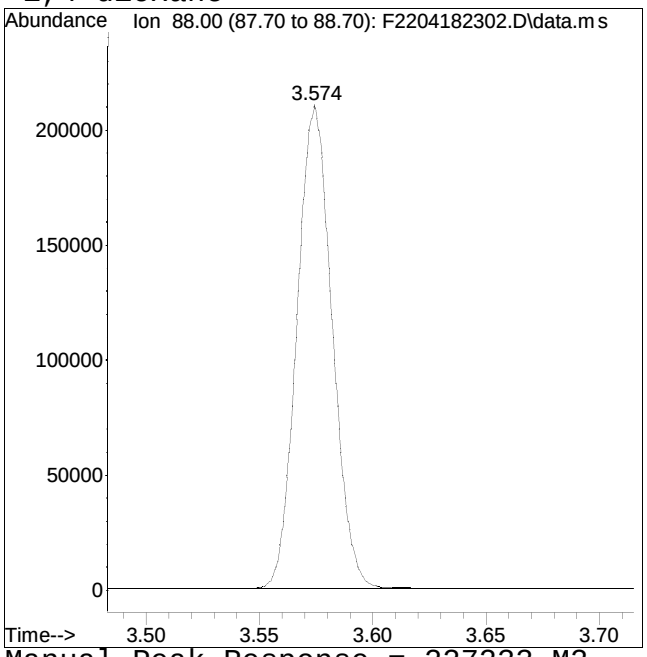
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182302.D
Date Inj'd : 4/18/2023 6:18 am
Sample : WG1767955-2

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/18/2023 7:31 am

Compound #2: 1,4-dioxane



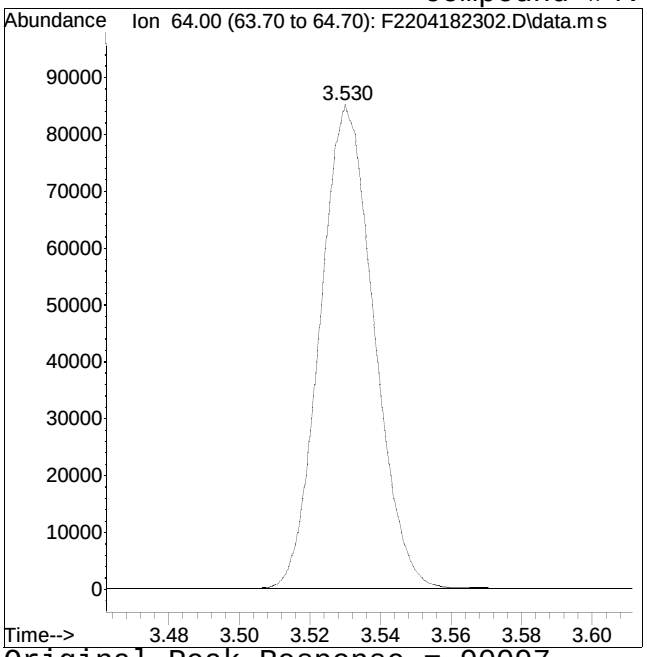

Original Peak Response = 226905 Manual Peak Response = 227233 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration/Negative Proof Report

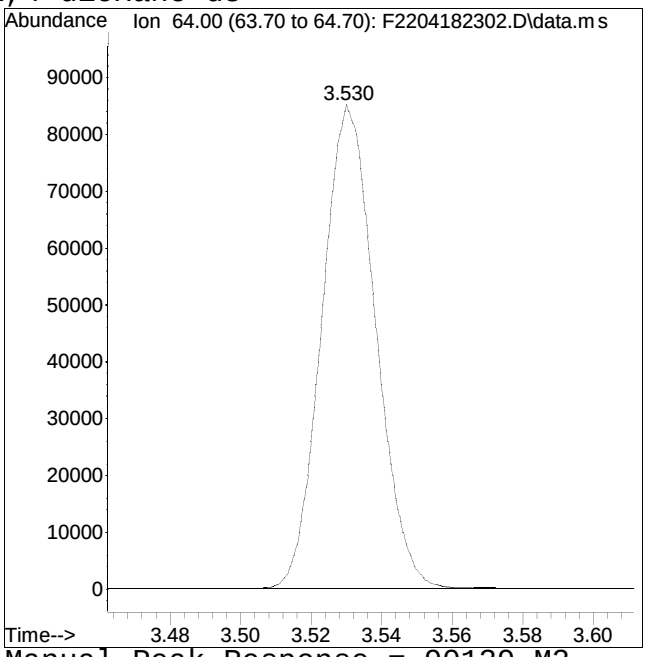
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182302.D
Date Inj'd : 4/18/2023 6:18 am
Sample : WG1767955-2

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/18/2023 7:31 am

Compound #4: 1,4-dioxane-d8




Original Peak Response = 90097




Manual Peak Response = 90139 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182328.D
Acq On : 18 Apr 2023 3:42 pm
Operator : PAH22:TPR
Sample : WG1767955-4
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 04:50:12 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
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 | 1,4-Dioxane-d8 (IS) | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 2 | 1,4-dioxane | 1.259 | 1.256 | 0.2 | 73 | 0.00 |
| 3 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 4 s | 1,4-dioxane-d8 | 0.293 | 0.273 | 6.8 | 80 | 0.00 |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182328.D
Acq On : 18 Apr 2023 3:42 pm
Operator : PAH22:TPR
Sample : WG1767955-4
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 04:50:12 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.519 | 64 | 88129 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 8.003 | 152 | 322612 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.519 | 64 | 88129 | 466.727 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 93.35% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.563 | 88 | 221467 | 998.112 | ng/mL | 96 |

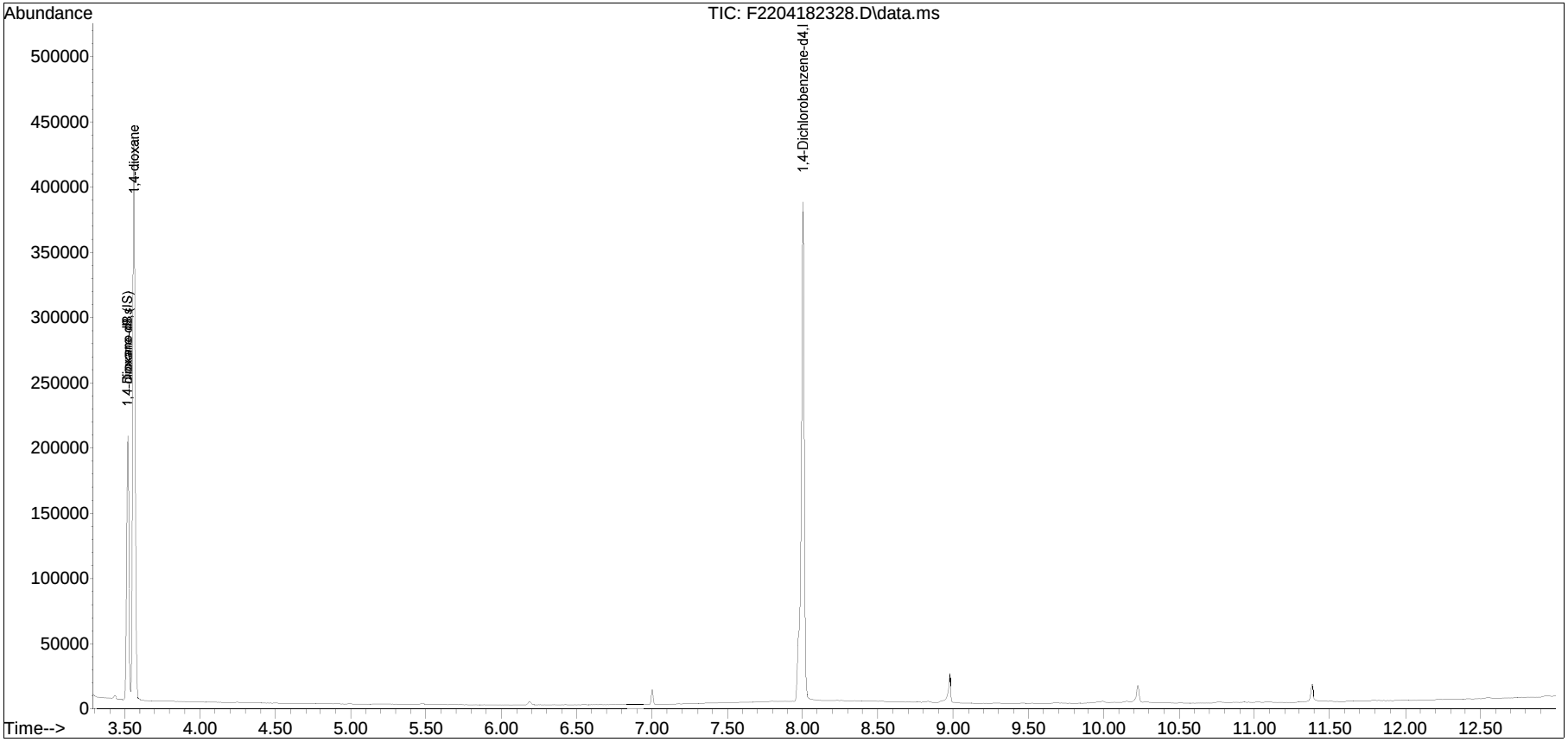
(#) = qualifier out of range (m) = manual integration (+) = signals summed

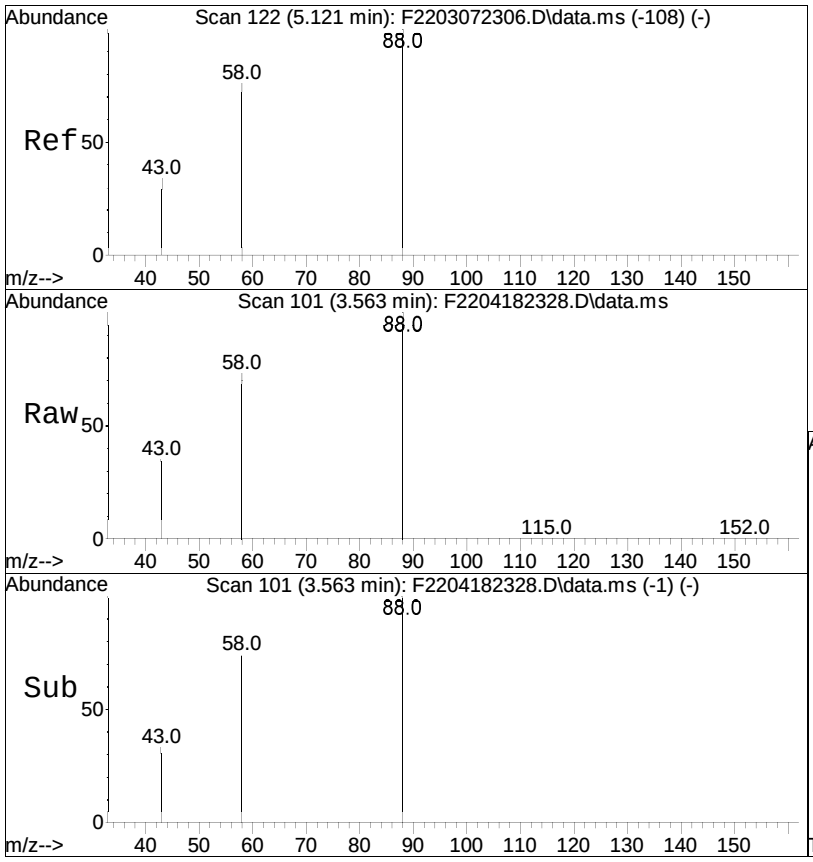
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182328.D
Acq On : 18 Apr 2023 3:42 pm
Operator : PAH22:TPR
Sample : WG1767955-4
Misc : WG1767955,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 04:50:12 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

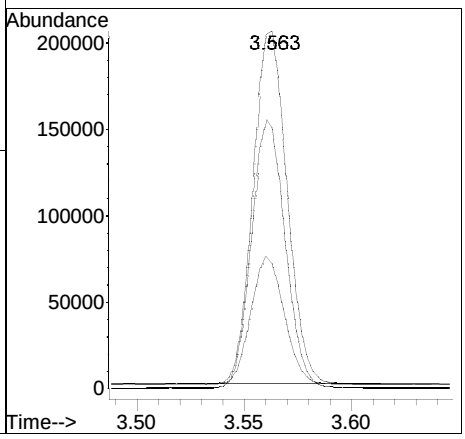





#2
1,4-dioxane
Concen: 998.11 ng/mL
RT: 3.563 min Scan# 101
Delta R.T. 0.000 min
Lab File: F2204182328.D
Acq: 18 Apr 2023 3:42 pm

Tgt Ion: 88 Resp: 221467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.6 | 59.4 | 89.0 |
| 43 | 35.6 | 24.6 | 36.8 |



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204182328.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/18/2023 3:42 pm | Instrument | : PAH22 |
| Sample | : WG1767955-4 | Quant Date | : 4/19/2023 4:50 am |

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

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192302.D
Acq On : 19 Apr 2023 7:14 am
Operator : PAH22:TPR
Sample : WG1768413-2
Misc : WG1768413,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 07:57:05 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
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 | 1,4-Dioxane-d8 (IS) | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 2 | 1,4-dioxane | 1.259 | 1.260 | -0.1 | 66 | 0.00 |
| 3 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 4 s | 1,4-dioxane-d8 | 0.293 | 0.242 | 17.4 | 72 | 0.00 |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192302.D
Acq On : 19 Apr 2023 7:14 am
Operator : PAH22:TPR
Sample : WG1768413-2
Misc : WG1768413,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 07:57:05 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.508 | 64 | 79256 | 500.000 | ng/mL | 0.00 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 327750 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.508 | 64 | 79256 | 413.156 | ng/mL | 0.00 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 82.63% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.552 | 88 | 199689 | 1000.717 | ng/mL | 96 |

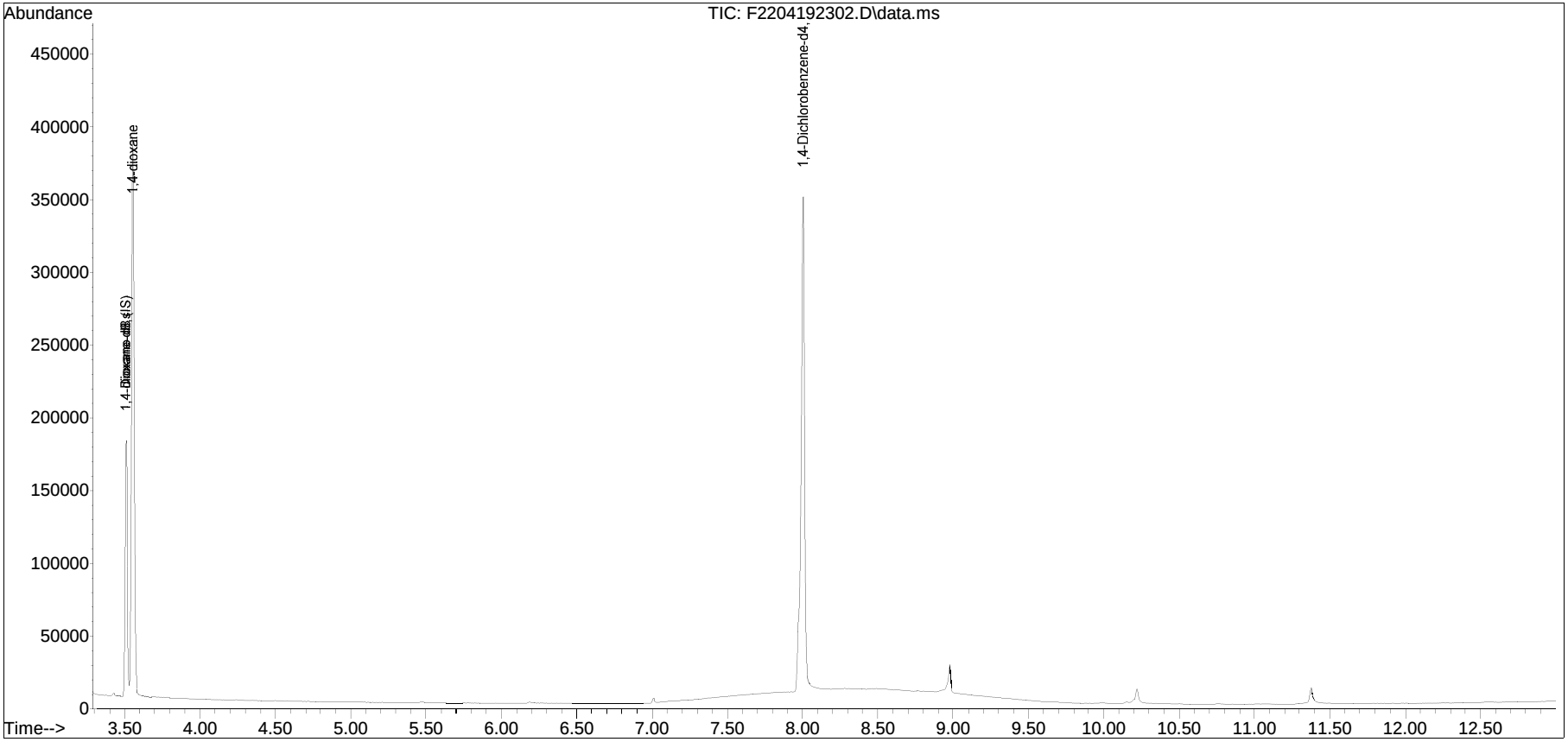
(#) = qualifier out of range (m) = manual integration (+) = signals summed

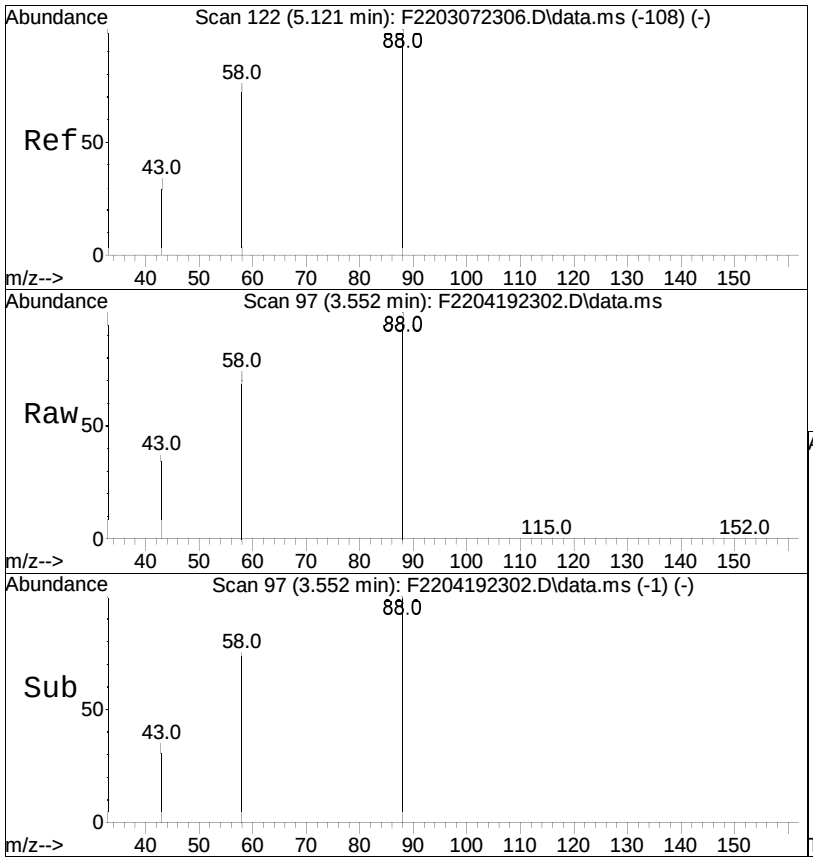
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192302.D
Acq On : 19 Apr 2023 7:14 am
Operator : PAH22:TPR
Sample : WG1768413-2
Misc : WG1768413,,ICAL19784,MSBP15
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 19 07:57:05 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

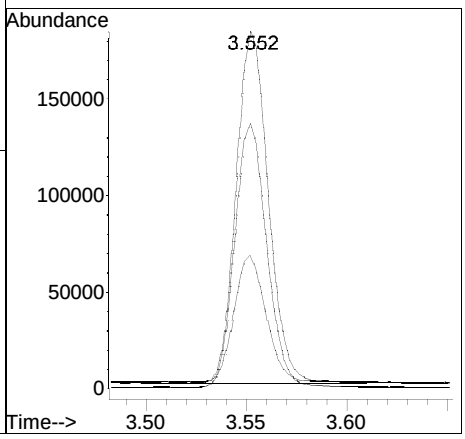





#2
1,4-dioxane
Concen: 1000.72 ng/mL
RT: 3.552 min Scan# 97
Delta R.T. 0.000 min
Lab File: F2204192302.D
Acq: 19 Apr 2023 7:14 am

Tgt Ion: 88 Resp: 199689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.3 | 59.4 | 89.0 |
| 43 | 35.7 | 24.6 | 36.8 |



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204192302.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/19/2023 7:14 am | Instrument | : PAH22 |
| Sample | : WG1768413-2 | Quant Date | : 4/19/2023 7:57 am |

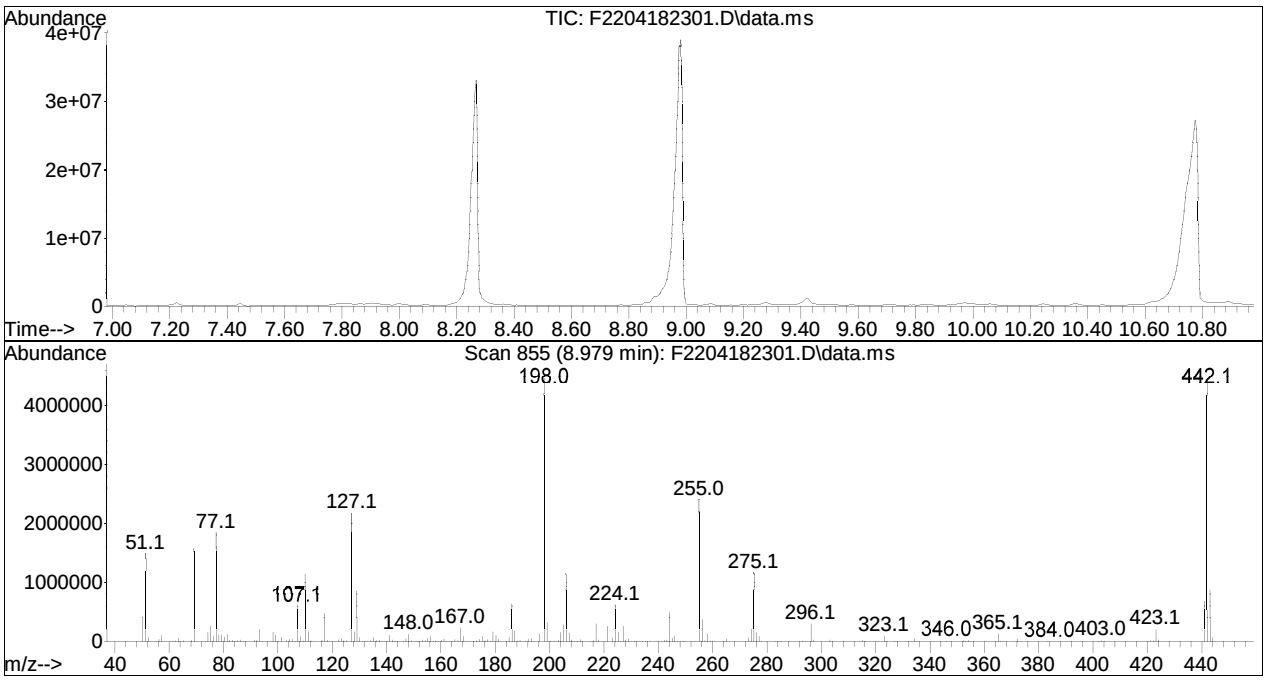
There are no manual integrations or false positives in this file.

# Semivolatiles Raw QC Data

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182301.D
Acq On : 18 Apr 2023 5:46 am
Operator : PAH22:TPR
Sample : WG1767955-1
Misc : WG1767955,,ICAL19784,MSBO72
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Title : Semivolatiles by GC/MS
Last Update : Wed Apr 19 04:50:38 2023



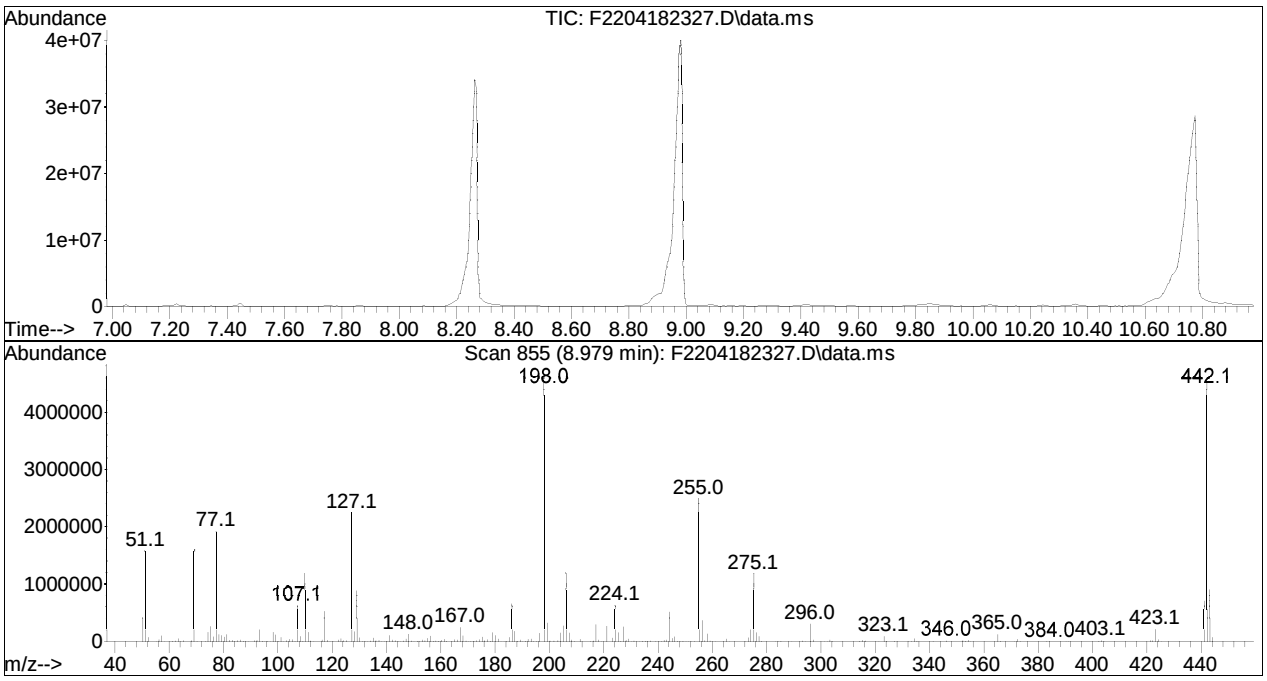

Spectrum Information: Scan 855

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 33.2 | 1485312 | PASS |
| 68 | 69 | 0.00 | 2 | 2.0 | 31240 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 11141 | PASS |
| 127 | 198 | 10 | 80 | 48.7 | 2177024 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 4474368 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 310784 | PASS |
| 275 | 198 | 10 | 60 | 25.9 | 1159680 | PASS |
| 365 | 198 | 1 | 100 | 2.9 | 129784 | PASS |
| 441 | 442 | 0.01 | 24 | 15.4 | 682688 | PASS |
| 442 | 198 | 50 | 100 | 99.4 | 4446208 | PASS |
| 443 | 442 | 15 | 24 | 19.7 | 874944 | PASS |

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182327.D
Acq On : 18 Apr 2023 3:09 pm
Operator : PAH22:TPR
Sample : WG1767955-3
Misc : WG1767955,,ICAL19784,MSBO72
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Title : Semivolatiles by GC/MS
Last Update : Wed Apr 19 04:50:38 2023



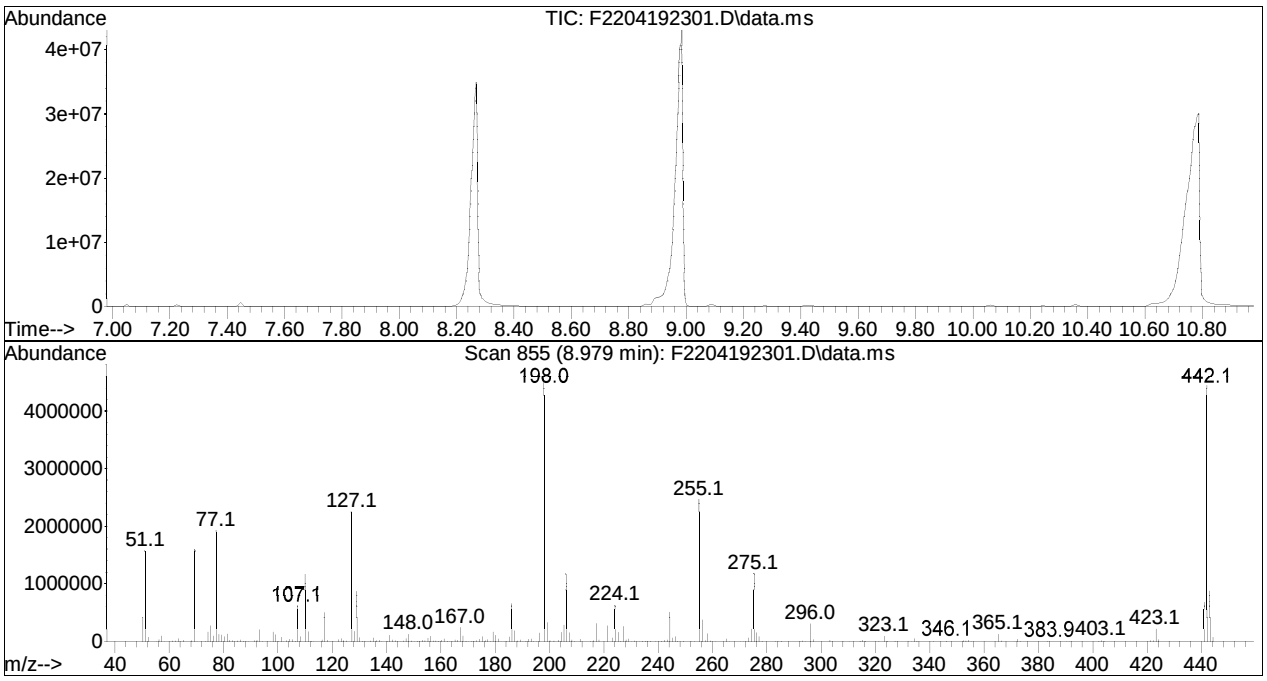

Spectrum Information: Scan 855

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 34.3 | 1579520 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 28832 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 10165 | PASS |
| 127 | 198 | 10 | 80 | 48.8 | 2246144 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 4601344 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 318464 | PASS |
| 275 | 198 | 10 | 60 | 25.7 | 1181696 | PASS |
| 365 | 198 | 1 | 100 | 2.8 | 130944 | PASS |
| 441 | 442 | 0.01 | 24 | 15.4 | 698304 | PASS |
| 442 | 198 | 50 | 100 | 98.8 | 4545536 | PASS |
| 443 | 442 | 15 | 24 | 19.8 | 901184 | PASS |

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192301.D
Acq On : 19 Apr 2023 6:42 am
Operator : PAH22:TPR
Sample : WG1768413-1
Misc : WG1768413,,ICAL19784,MSBO72
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Title : Semivolatiles by GC/MS
Last Update : Wed Apr 19 07:57:37 2023




Spectrum Information: Scan 855

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 34.3 | 1570304 | PASS |
| 68 | 69 | 0.00 | 2 | 1.8 | 28168 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 8215 | PASS |
| 127 | 198 | 10 | 80 | 49.2 | 2252288 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 4580864 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 317888 | PASS |
| 275 | 198 | 10 | 60 | 25.7 | 1178624 | PASS |
| 365 | 198 | 1 | 100 | 2.8 | 128872 | PASS |
| 441 | 442 | 0.01 | 24 | 15.2 | 678272 | PASS |
| 442 | 198 | 50 | 100 | 97.4 | 4459520 | PASS |
| 443 | 442 | 15 | 24 | 19.8 | 881984 | PASS |

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182304.D
Acq On : 18 Apr 2023 7:03 am
Operator : PAH22:TPR
Sample : wg1767657-1,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 07:32:52 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.544 | 64 | 47554 | 500.000 | ng/mL | 0.01 |
| 3) 1,4-Dichlorobenzene-d4 | 8.000 | 152 | 304902 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.544 | 64 | 47554 | 266.472 | ng/mL | 0.01 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 53.29% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 0.000 | | 0 | N.D. | d | |

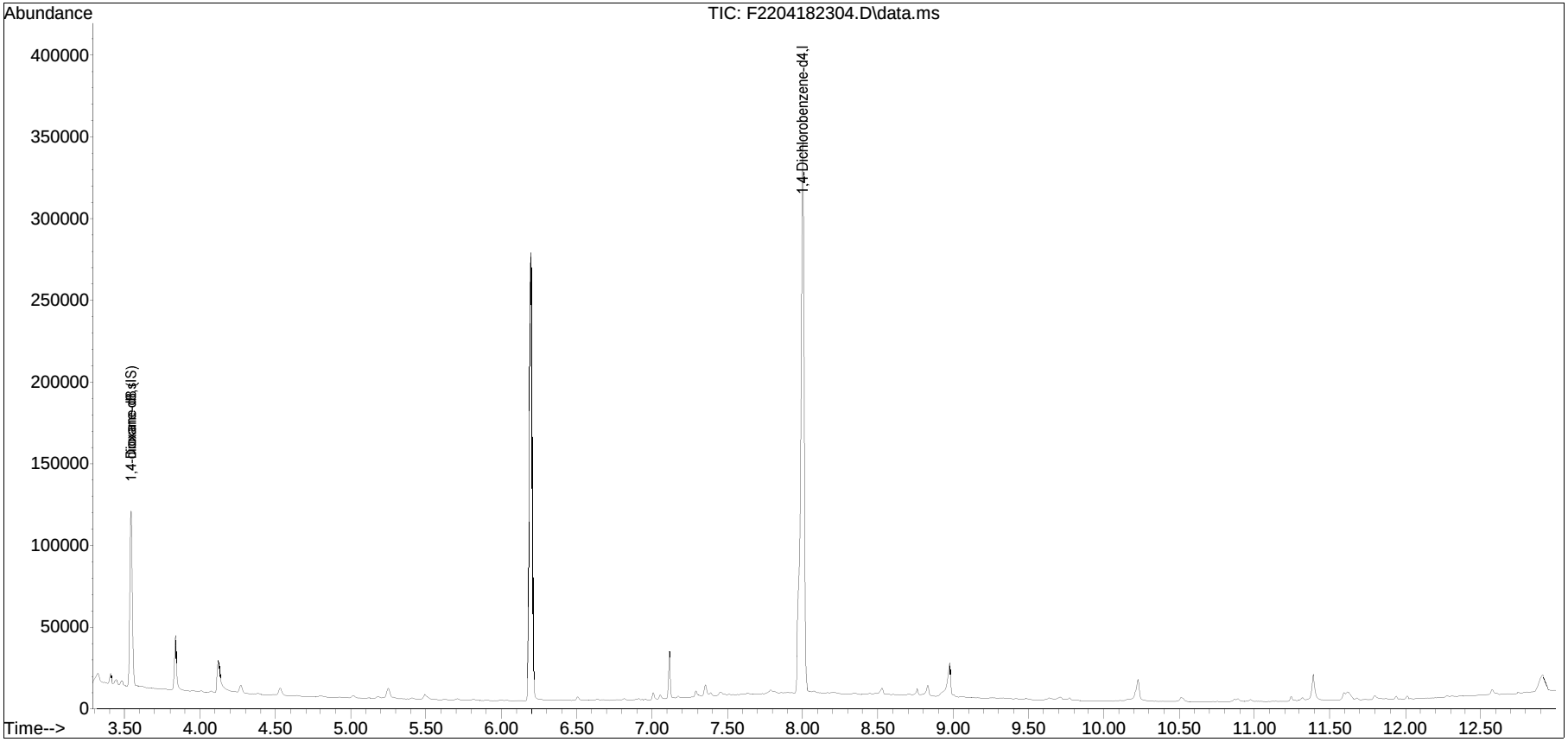
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182304.D
Acq On : 18 Apr 2023 7:03 am
Operator : PAH22:TPR
Sample : wg1767657-1,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 07:32:52 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204182304.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/18/2023 7:03 am | Instrument | : PAH22 |
| Sample | : wg1767657-1,32,, | Quant Date | : 4/18/2023 7:32 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192303.D
Acq On : 19 Apr 2023 7:36 am
Operator : PAH22:TPR
Sample : WG1767229-1,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 07:57:36 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.566 | 64 | 44116 | 500.000 | ng/mL | 0.06 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 354732 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.566 | 64 | 44116 | 212.481 | ng/mL | 0.06 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 42.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 0.000 | | 0 | N.D. | d | |

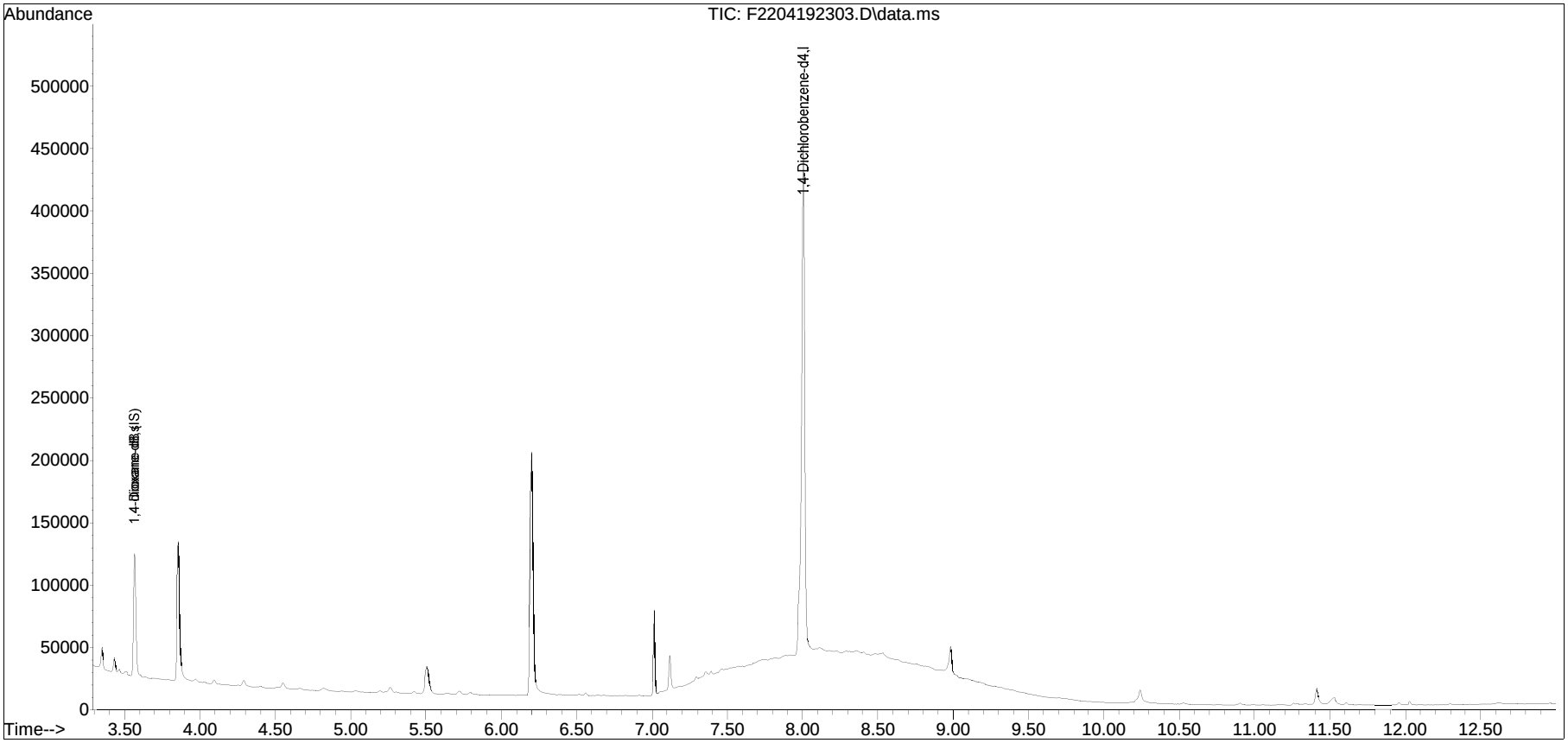
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192303.D
Acq On : 19 Apr 2023 7:36 am
Operator : PAH22:TPR
Sample : WG1767229-1,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 19 07:57:36 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204192303.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/19/2023 7:36 am | Instrument | : PAH22 |
| Sample | : WG1767229-1,32,, | Quant Date | : 4/19/2023 7:58 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182305.D
Acq On : 18 Apr 2023 7:24 am
Operator : PAH22:TPR
Sample : wg1767657-2,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 18 08:43:46 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.558 | 64 | 40141 | 500.000 | ng/mL | 0.03 |
| 3) 1,4-Dichlorobenzene-d4 | 8.001 | 152 | 309143 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.558 | 64 | 40141 | 221.847 | ng/mL | 0.03 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 44.37% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.602 | 88 | 57137M4 | 565.351 | ng/mL | |

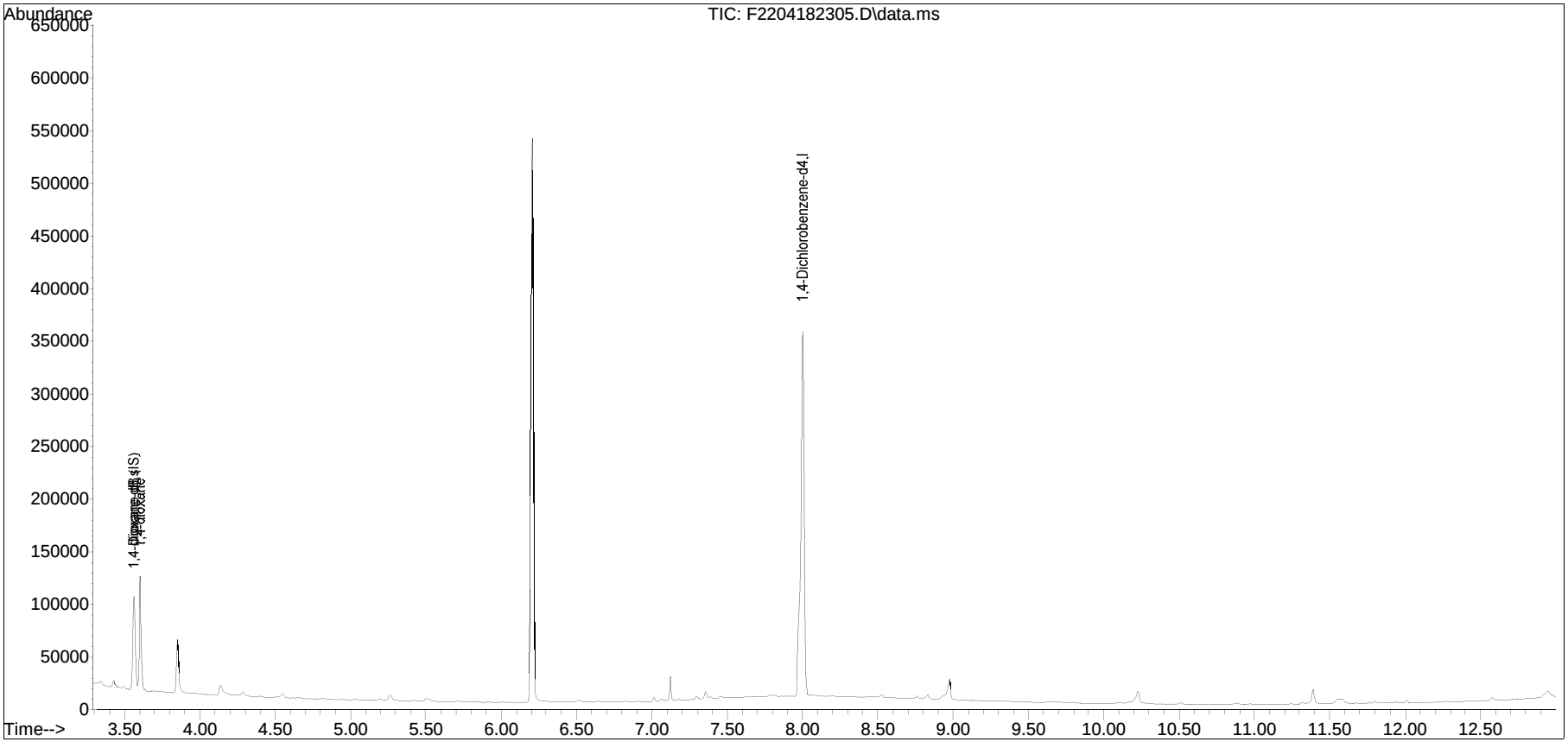
(#) = qualifier out of range (m) = manual integration (+) = signals summed

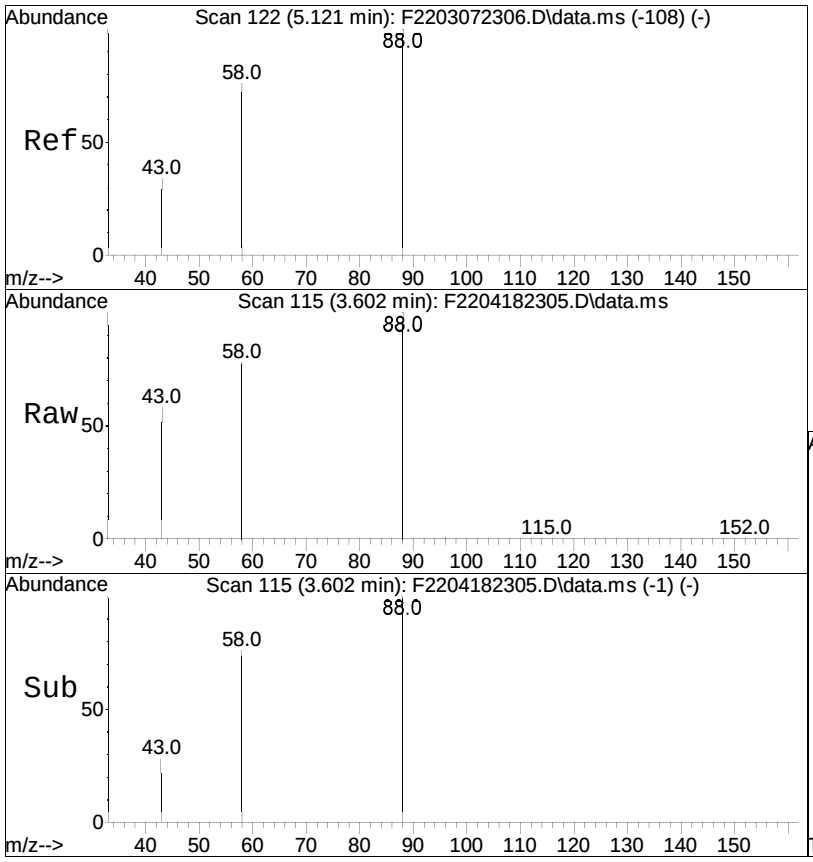
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182305.D
Acq On : 18 Apr 2023 7:24 am
Operator : PAH22:TPR
Sample : wg1767657-2,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 18 08:43:46 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

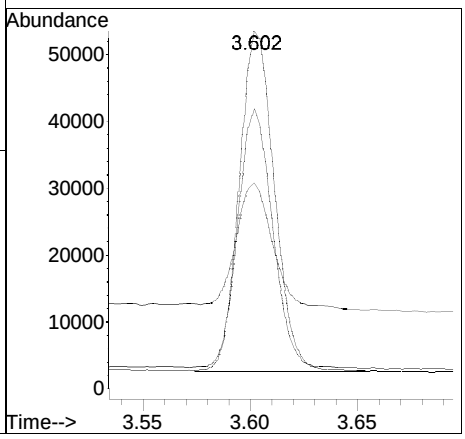





#2
1,4-dioxane
Concen: 565.35 ng/mL M4
RT: 3.602 min Scan# 115
Delta R.T. 0.028 min
Lab File: F2204182305.D
Acq: 18 Apr 2023 7:24 am

Tgt Ion: 88 Resp: 57137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.2 | 59.4 | 89.0 |
| 43 | 36.5 | 24.6 | 36.8 |

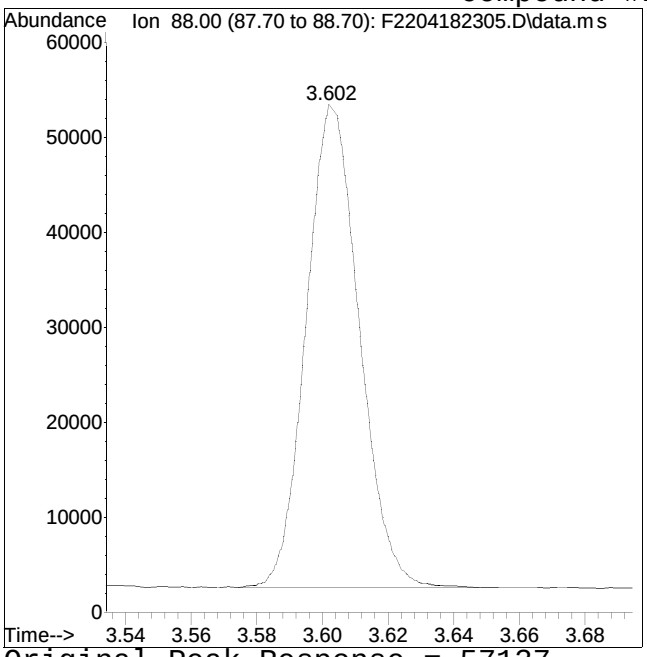


# Manual Integration/Negative Proof Report

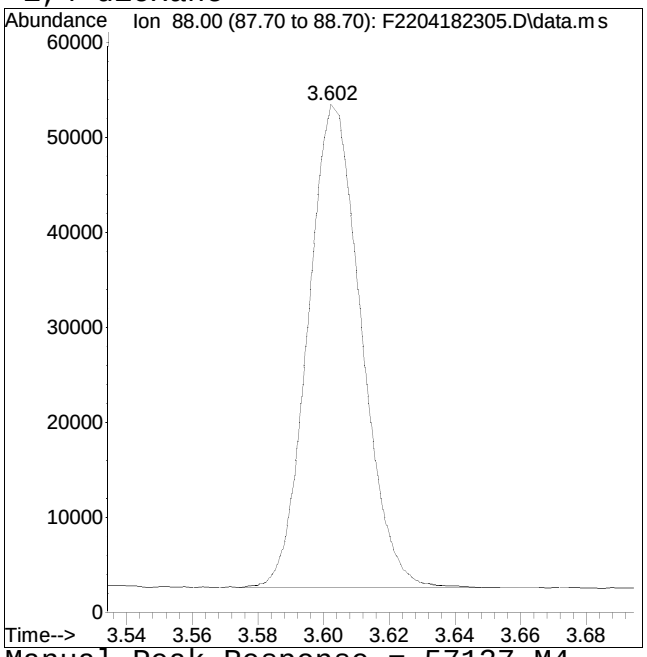
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182305.D
Date Inj'd : 4/18/2023 7:24 am
Sample : wg1767657-2,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/18/2023 8:43 am

Compound #2: 1,4-dioxane




Original Peak Response = 57137




Manual Peak Response = 57137 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192304.D
Acq On : 19 Apr 2023 7:56 am
Operator : PAH22:TPR
Sample : WG1767229-2,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 08:37:37 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.588 | 64 | 41068 | 500.000 | ng/mL | 0.08 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 369074 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.588 | 64 | 41068 | 190.114 | ng/mL | 0.08 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 38.02% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.632 | 88 | 59159 | 572.146 | ng/mL | 96 |

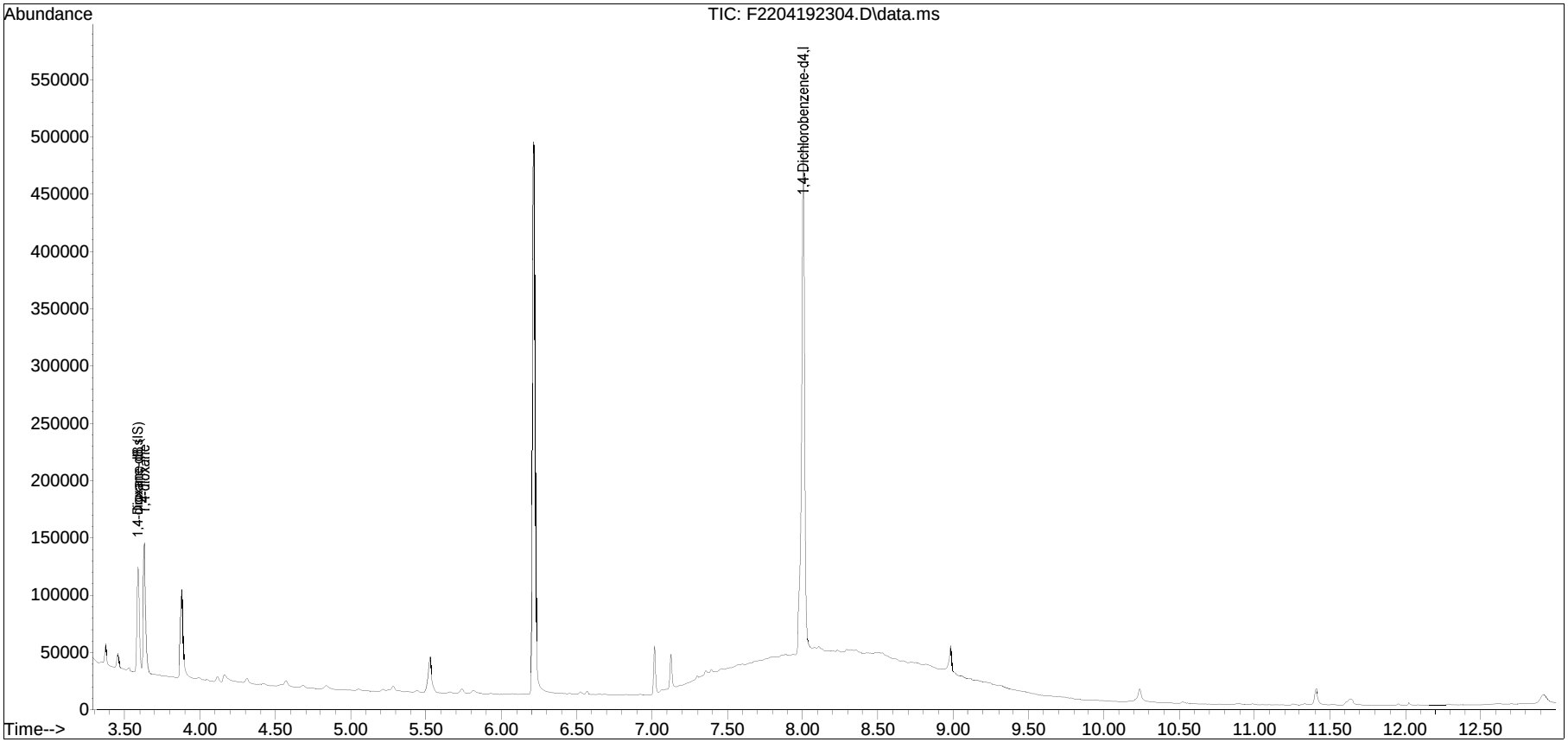
(#) = qualifier out of range (m) = manual integration (+) = signals summed

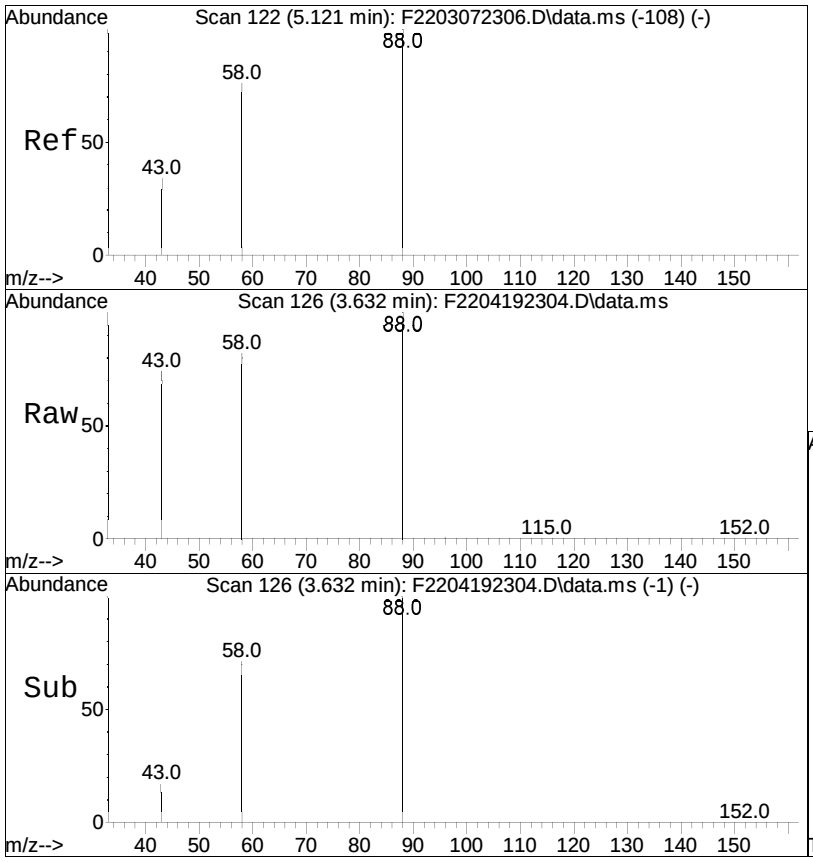
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192304.D
Acq On : 19 Apr 2023 7:56 am
Operator : PAH22:TPR
Sample : WG1767229-2,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 19 08:37:37 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

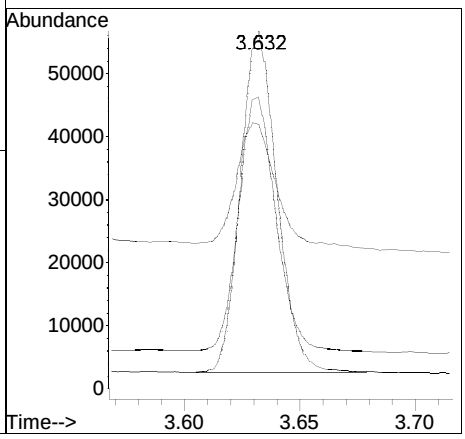





#2
1,4-dioxane
Concen: 572.15 ng/mL
RT: 3.632 min Scan# 126
Delta R.T. 0.080 min
Lab File: F2204192304.D
Acq: 19 Apr 2023 7:56 am

Tgt Ion: 88 Resp: 59159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.6 | 59.4 | 89.0 |
| 43 | 35.3 | 24.6 | 36.8 |



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204192304.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/19/2023 7:56 am | Instrument | : PAH22 |
| Sample | : WG1767229-2,32,, | Quant Date | : 4/19/2023 8:36 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182306.D
Acq On : 18 Apr 2023 7:44 am
Operator : PAH22:TPR
Sample : wg1767657-3,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 08:44:15 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.585 | 64 | 46875 | 500.000 | ng/mL | 0.06 |
| 3) 1,4-Dichlorobenzene-d4 | 8.003 | 152 | 321102 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.585 | 64 | 46875 | 249.415 | ng/mL | 0.06 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 49.88% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.630 | 88 | 66388M4 | 562.519 | ng/mL | |

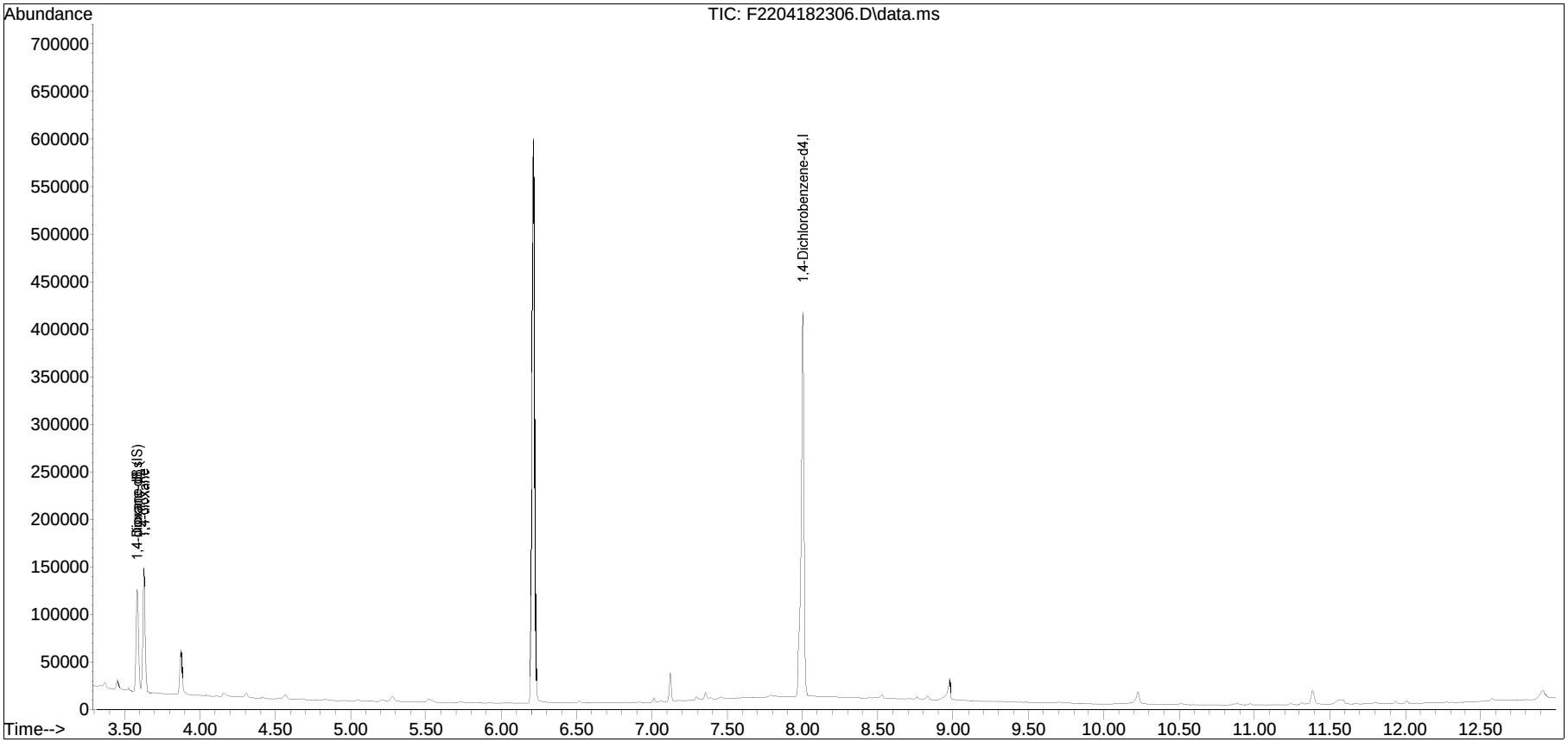
(#) = qualifier out of range (m) = manual integration (+) = signals summed

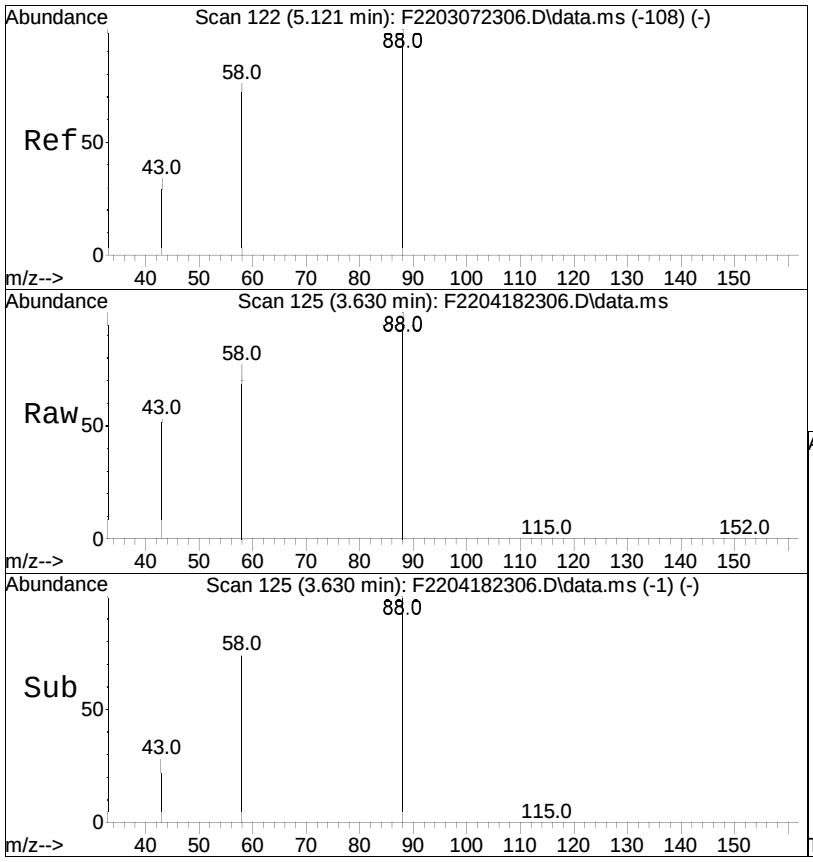
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182306.D
Acq On : 18 Apr 2023 7:44 am
Operator : PAH22:TPR
Sample : wg1767657-3,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 18 08:44:15 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Apr 18 07:31:05 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

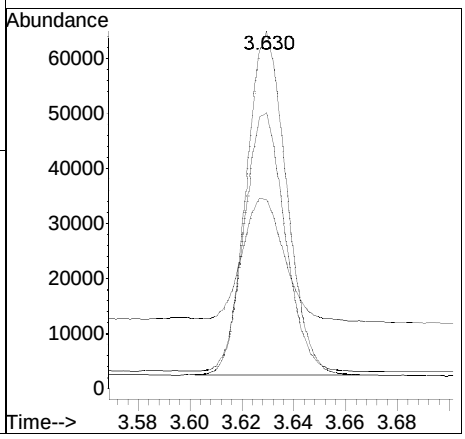





#2
1,4-dioxane
Concen: 562.52 ng/mL M4
RT: 3.630 min Scan# 125
Delta R.T. 0.055 min
Lab File: F2204182306.D
Acq: 18 Apr 2023 7:44 am

Tgt Ion: 88 Resp: 66388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.8 | 59.4 | 89.0 |
| 43 | 36.3 | 24.6 | 36.8 |

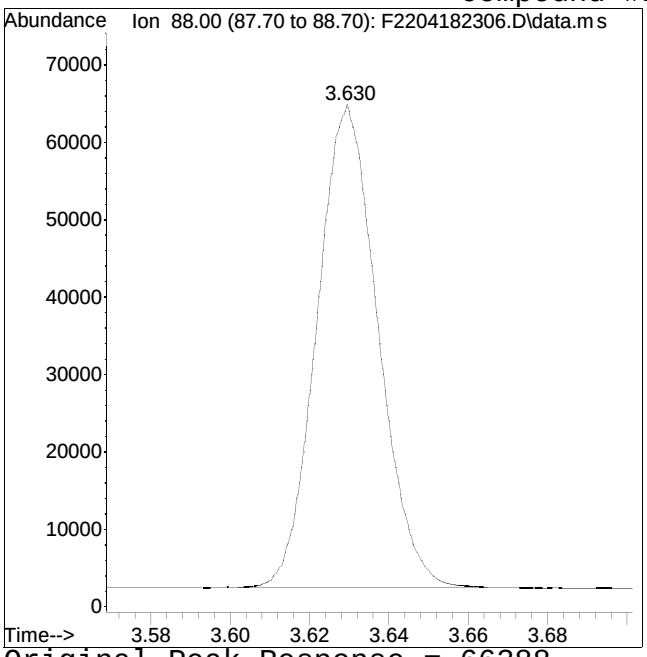


Manual Integration/Negative Proof Report

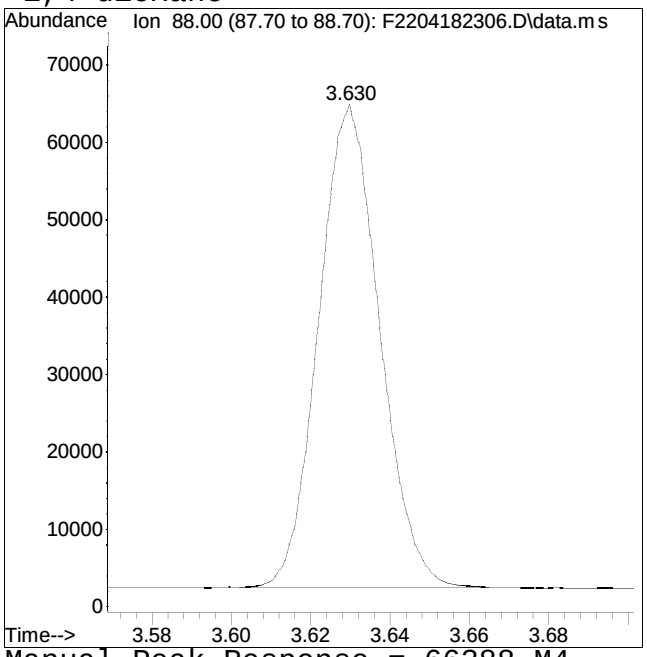
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182306.D
Date Inj'd : 4/18/2023 7:44 am
Sample : wg1767657-3,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/18/2023 8:43 am

Compound #2: 1,4-dioxane




Original Peak Response = 66388




Manual Peak Response = 66388 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192305.D
Acq On : 19 Apr 2023 8:17 am
Operator : PAH22:TPR
Sample : WG1767229-3,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 08:37:38 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.574 | 64 | 42462 | 500.000 | ng/mL | 0.07 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 354391 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.574 | 64 | 42462 | 204.712 | ng/mL | 0.07 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 40.94% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.618 | 88 | 61545 | 575.681 | ng/mL | 96 |

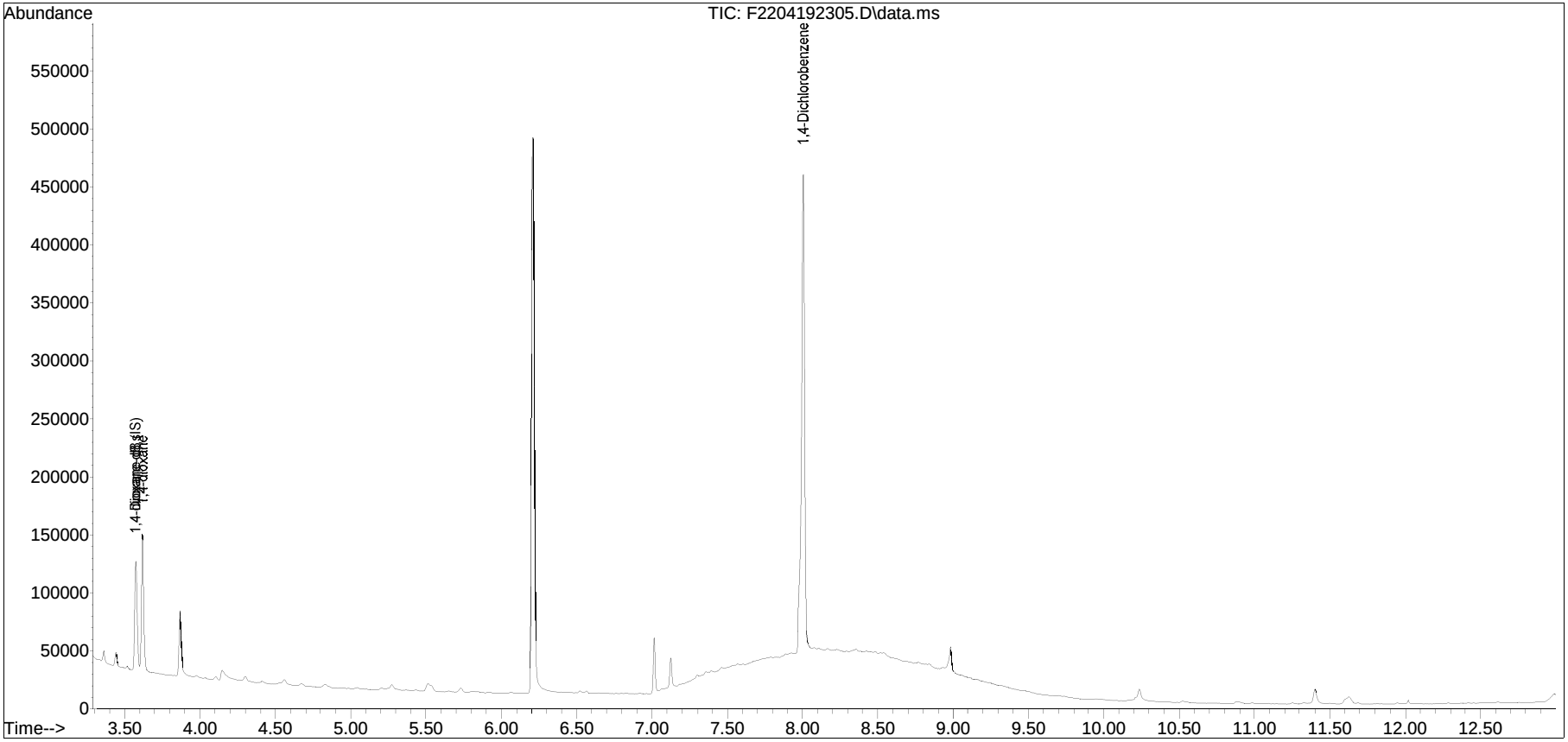
(#) = qualifier out of range (m) = manual integration (+) = signals summed

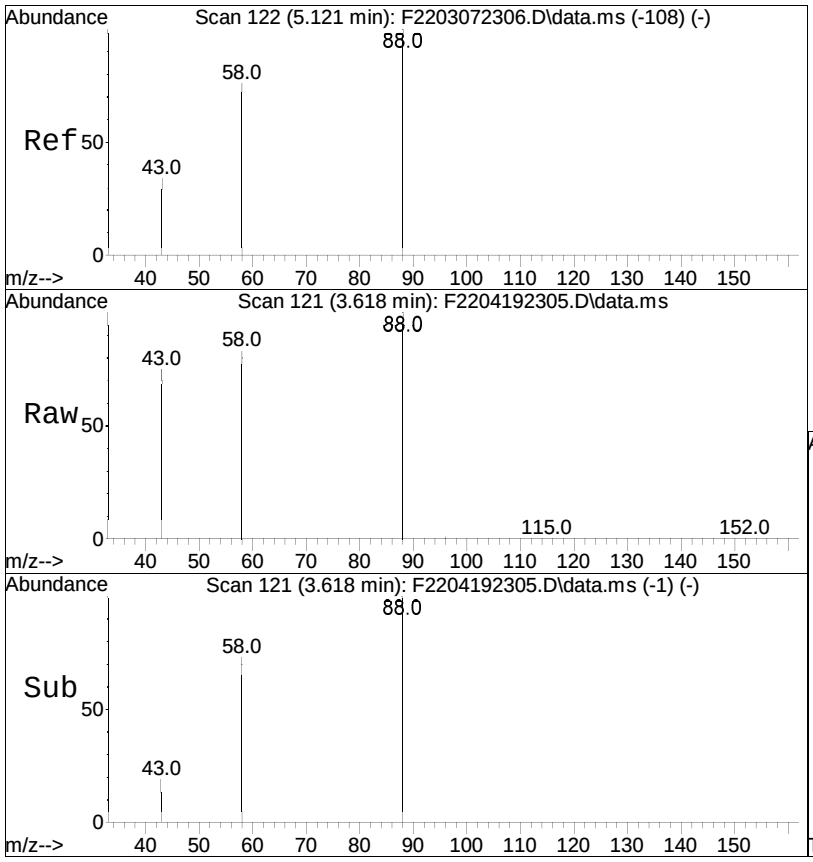
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192305.D
Acq On : 19 Apr 2023 8:17 am
Operator : PAH22:TPR
Sample : WG1767229-3,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 19 08:37:38 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

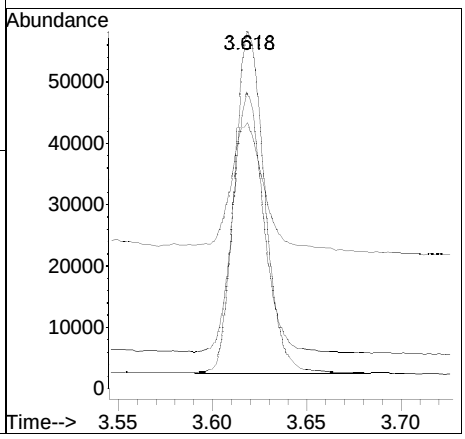





#2
1,4-dioxane
Concen: 575.68 ng/mL
RT: 3.618 min Scan# 121
Delta R.T. 0.066 min
Lab File: F2204192305.D
Acq: 19 Apr 2023 8:17 am

Tgt Ion: 88 Resp: 61545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.4 | 59.4 | 89.0 |
| 43 | 35.6 | 24.6 | 36.8 |



Manual Integration/Negative Proof Report

| | | | |
|---|---|---|---|
| Data Path | : O:\Organics\DATA\PAH22\2023Q | Method | : 14DIOX0307PAH22.M |
| Data File | : F2204192305.D | Operator | : PAH22:TPR |
| Date Inj'd | : 4/19/2023 8:17 am | Instrument | : PAH22 |
| Sample | : WG1767229-3,32,, | Quant Date | : 4/19/2023 8:36 am |

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

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182348.D
Acq On : 18 Apr 2023 10:41 pm
Operator : PAH22:TPR
Sample : wg1767657-4,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Apr 19 05:16:56 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.541 | 64 | 40584 | 500.000 | ng/mL | 0.02 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 328139 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.541 | 64 | 40584 | 211.311 | ng/mL | 0.02 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 42.26% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.585 | 88 | 239500M4 | 2343.905 | ng/mL | |

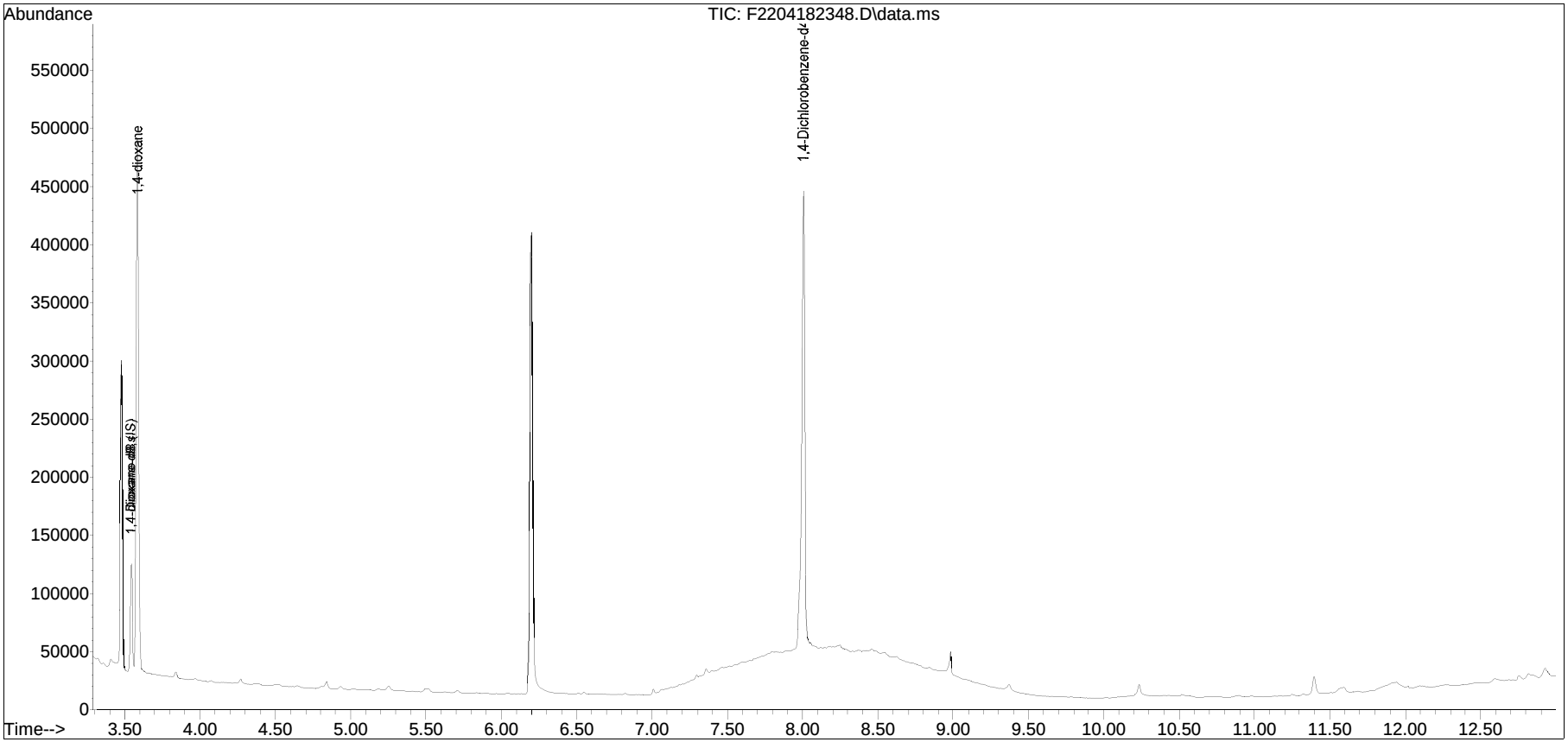
(#) = qualifier out of range (m) = manual integration (+) = signals summed

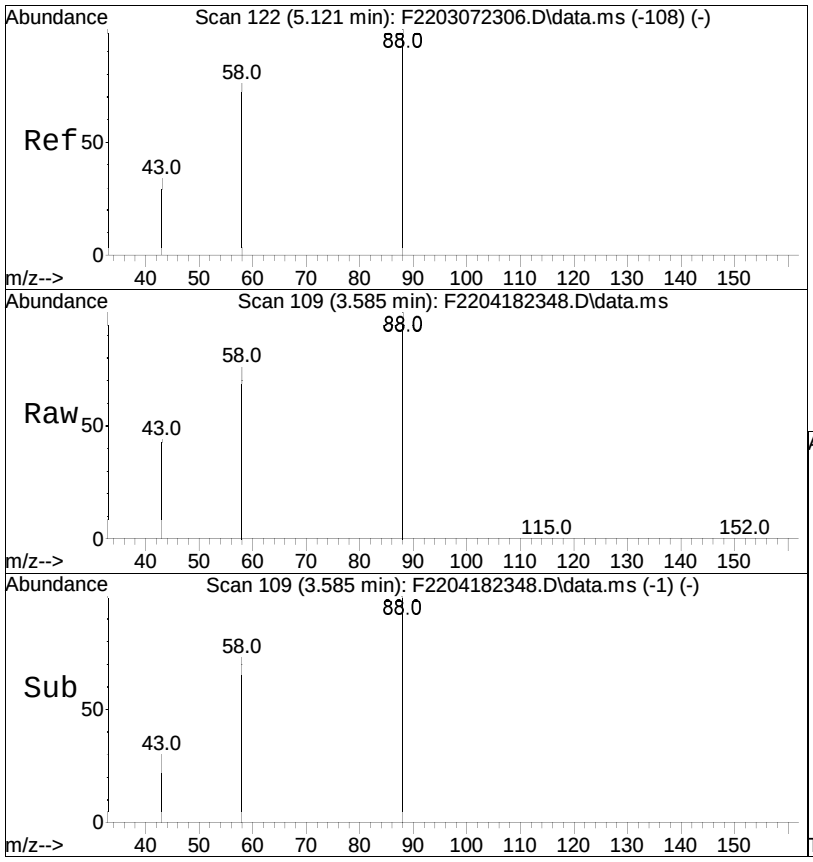
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182348.D
Acq On : 18 Apr 2023 10:41 pm
Operator : PAH22:TPR
Sample : wg1767657-4,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Apr 19 05:16:56 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

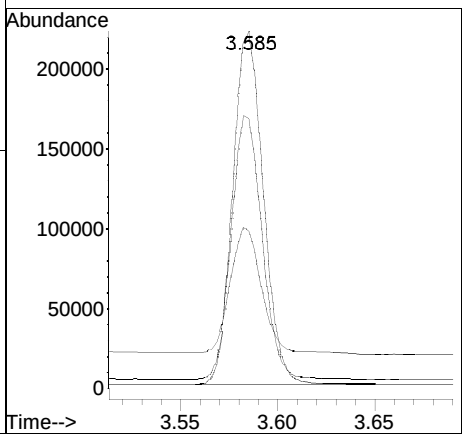





#2
1,4-dioxane
Concen: 2343.90 ng/mL M4
RT: 3.585 min Scan# 109
Delta R.T. 0.022 min
Lab File: F2204182348.D
Acq: 18 Apr 2023 10:41 pm

Tgt Ion: 88 Resp: 239500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.8 | 59.4 | 89.0 |
| 43 | 35.2 | 24.6 | 36.8 |

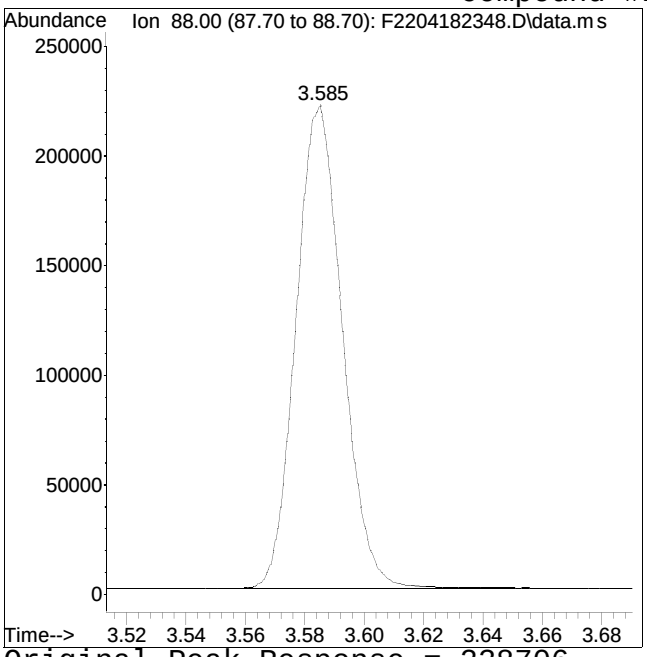


# Manual Integration/Negative Proof Report

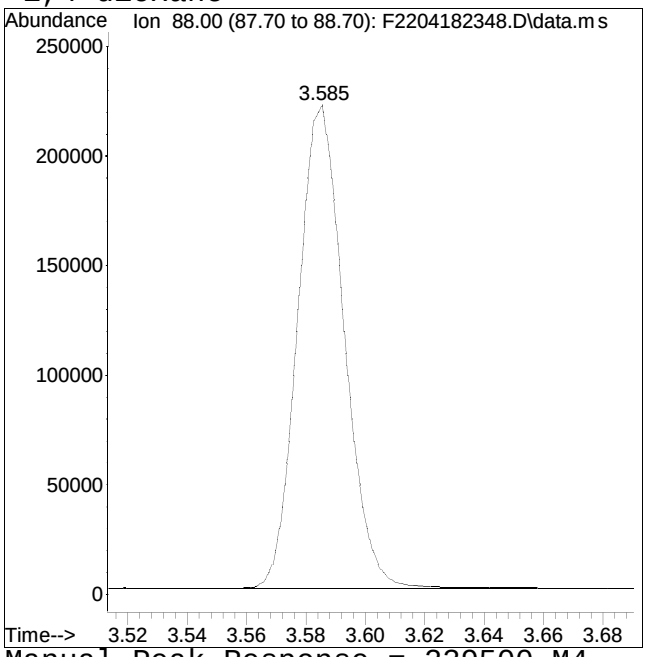
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182348.D
Date Inj'd : 4/18/2023 10:41 pm
Sample : wg1767657-4,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:51 am

Compound #2: 1,4-dioxane




Original Peak Response = 238706




Manual Peak Response = 239500 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192326.D
Acq On : 19 Apr 2023 3:47 pm
Operator : PAH22:TPR
Sample : WG1767229-4,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 20 04:52:38 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.533 | 64 | 37981 | 500.000 | ng/mL | 0.02 |
| 3) 1,4-Dichlorobenzene-d4 | 8.009 | 152 | 336062 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.533 | 64 | 37981 | 193.095 | ng/mL | 0.02 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 38.62% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.577 | 88 | 55560M4 | 581.012 | ng/mL | |

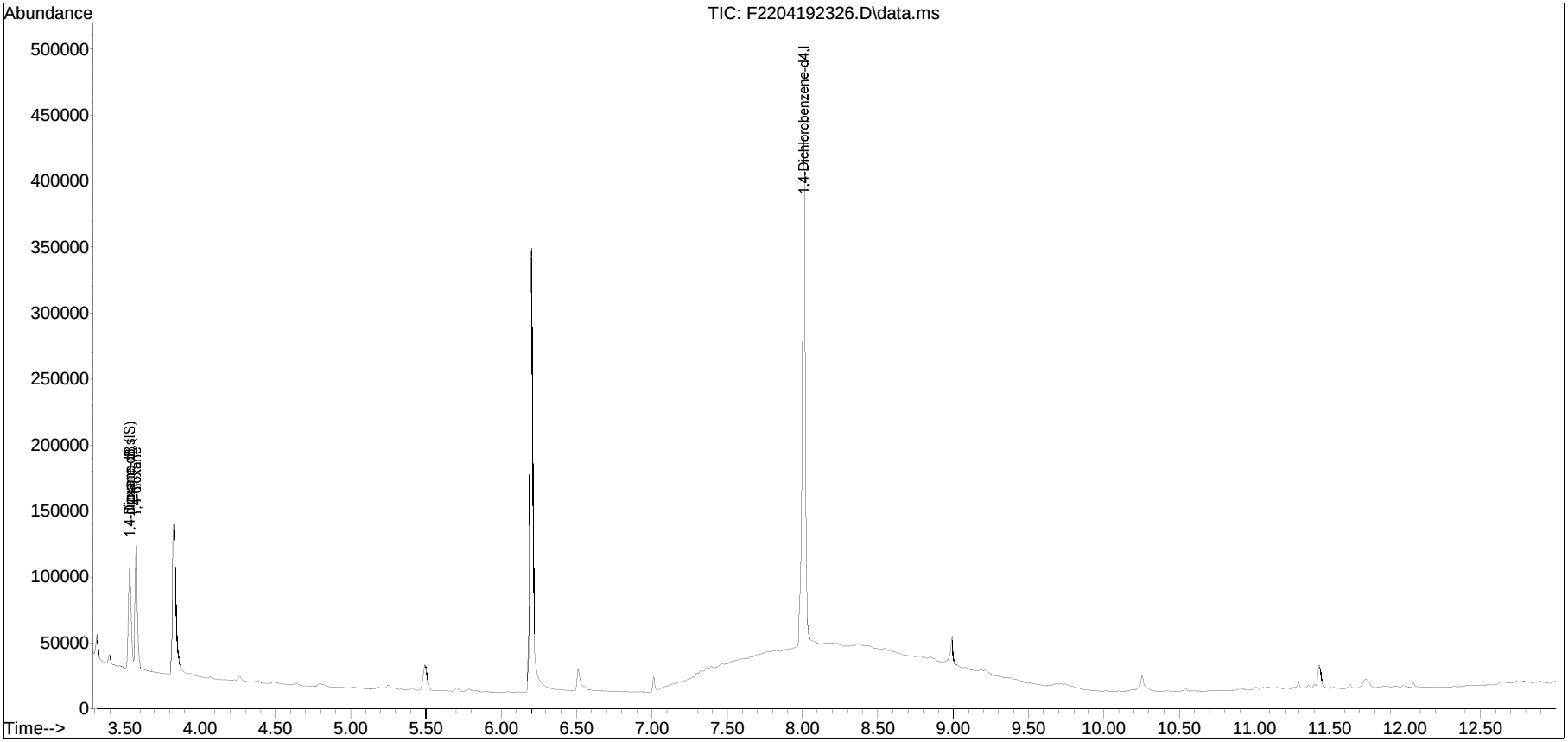
(#) = qualifier out of range (m) = manual integration (+) = signals summed

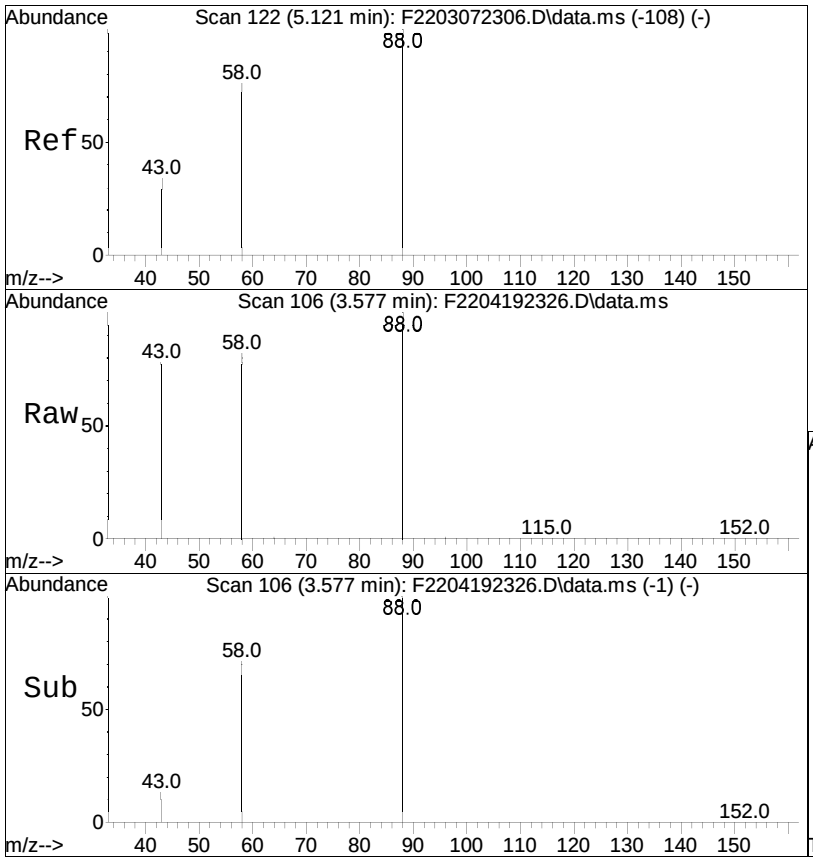
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192326.D
Acq On : 19 Apr 2023 3:47 pm
Operator : PAH22:TPR
Sample : WG1767229-4,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 20 04:52:38 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

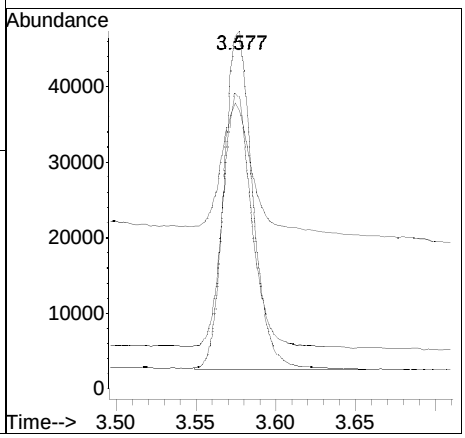





#2
1,4-dioxane
Concen: 581.01 ng/mL M4
RT: 3.577 min Scan# 106
Delta R.T. 0.025 min
Lab File: F2204192326.D
Acq: 19 Apr 2023 3:47 pm

Tgt Ion: 88 Resp: 55560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.4 | 59.4 | 89.0 |
| 43 | 35.9 | 24.6 | 36.8 |

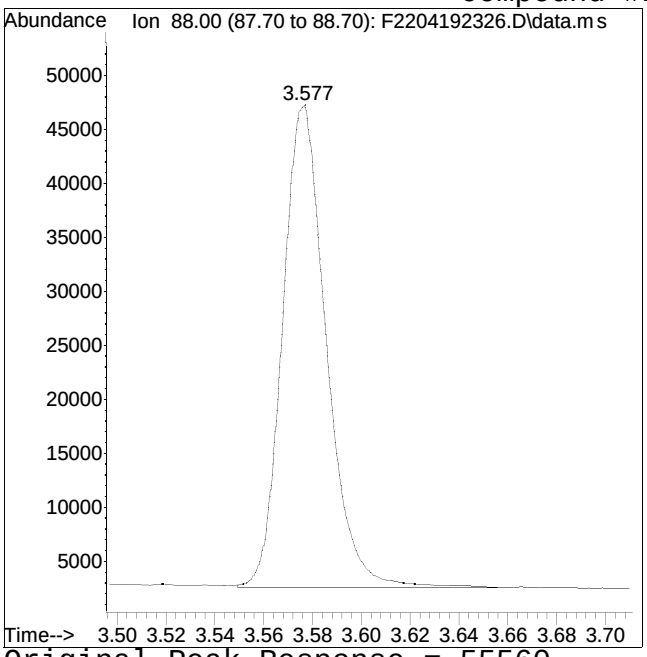


# Manual Integration/Negative Proof Report

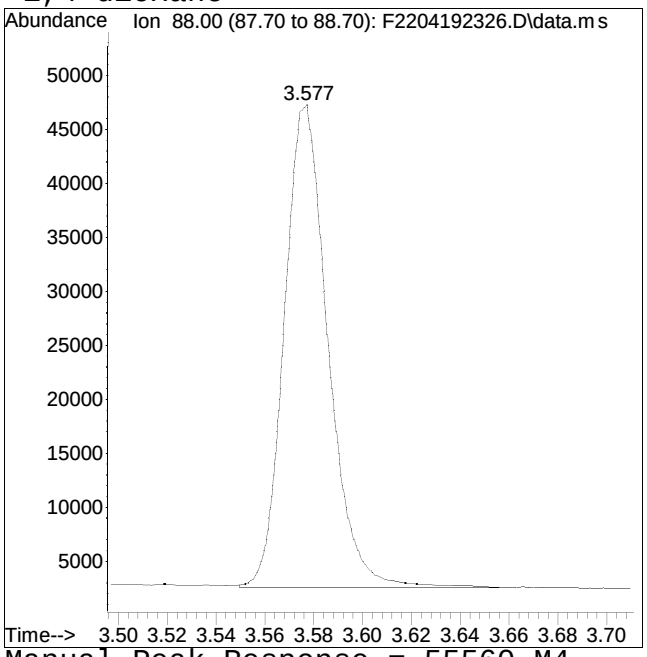
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204192326.D
Date Inj'd : 4/19/2023 3:47 pm
Sample : WG1767229-4,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/20/2023 4:50 am

## Compound #2: 1,4-dioxane




Original Peak Response = 55560




Manual Peak Response = 55560 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182349.D
Acq On : 18 Apr 2023 11:02 pm
Operator : PAH22:TPR
Sample : wg1767657-5,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Apr 19 05:17:19 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.563 | 64 | 42720 | 500.000 | ng/mL | 0.04 |
| 3) 1,4-Dichlorobenzene-d4 | 8.006 | 152 | 344475 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.563 | 64 | 42720 | 211.884 | ng/mL | 0.04 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 42.38% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.605 | 88 | 253782M4 | 2359.494 | ng/mL | |

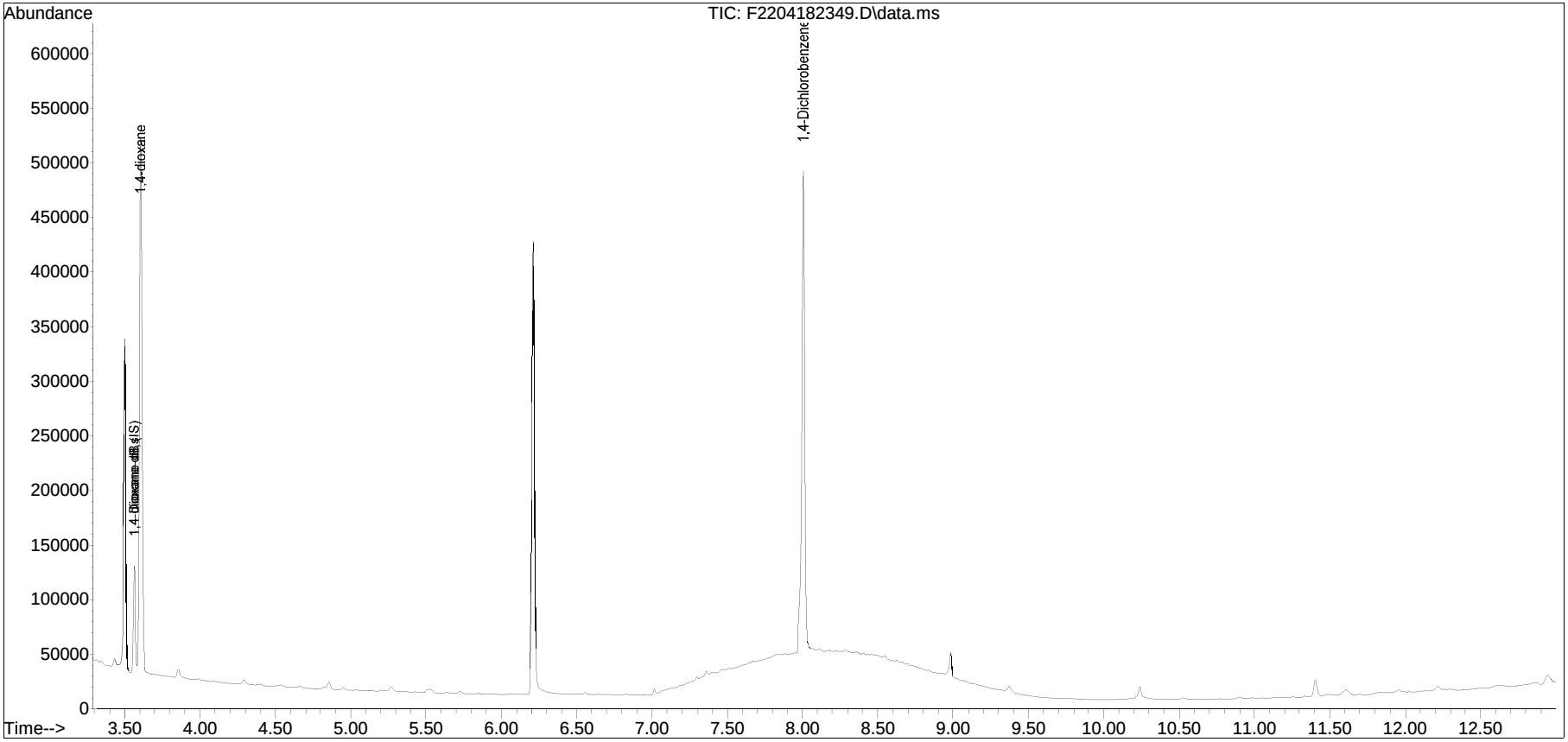
(#) = qualifier out of range (m) = manual integration (+) = signals summed

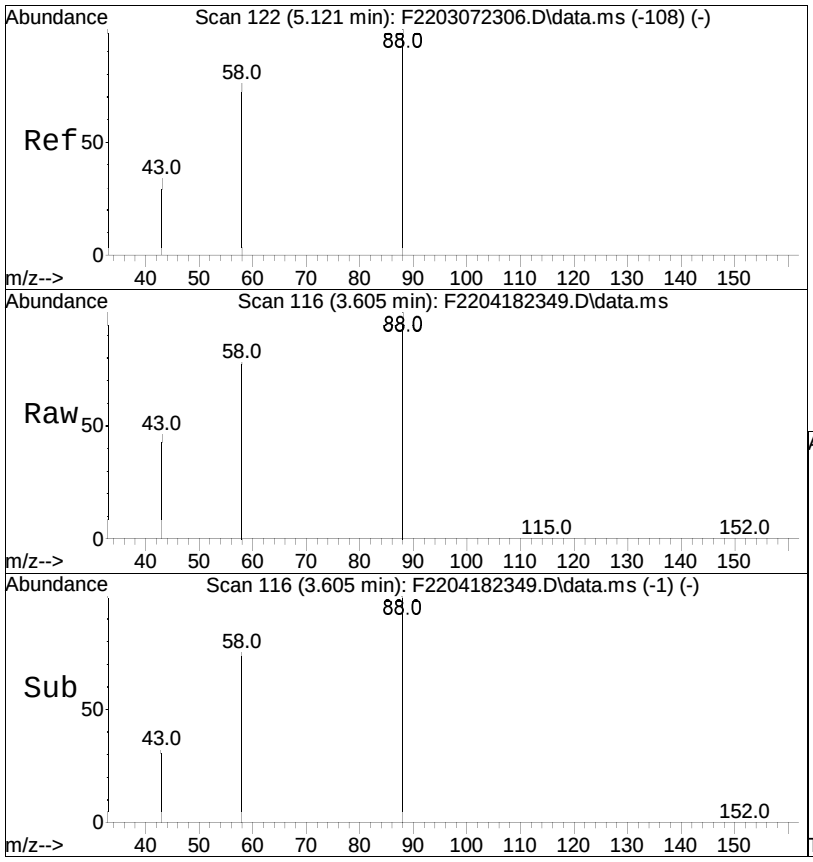
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR18\
Data File : F2204182349.D
Acq On : 18 Apr 2023 11:02 pm
Operator : PAH22:TPR
Sample : wg1767657-5,32,,
Misc : WG1767955,WG1767657,ICAL19784
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Apr 19 05:17:19 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR18\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 04:50:38 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

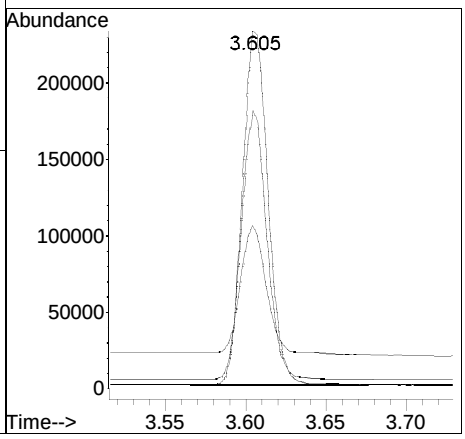





#2
1,4-dioxane
Concen: 2359.49 ng/mL M4
RT: 3.605 min Scan# 116
Delta R.T. 0.042 min
Lab File: F2204182349.D
Acq: 18 Apr 2023 11:02 pm

Tgt Ion: 88 Resp: 253782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.7 | 59.4 | 89.0 |
| 43 | 35.0 | 24.6 | 36.8 |

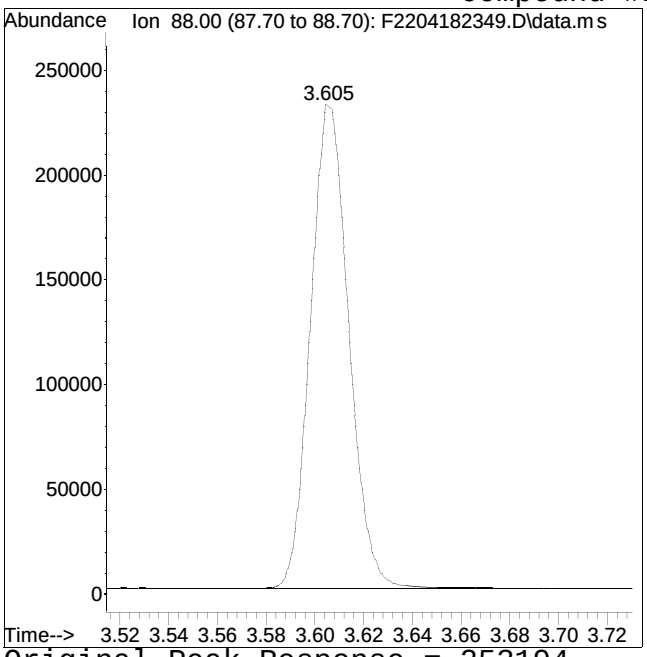


Manual Integration/Negative Proof Report

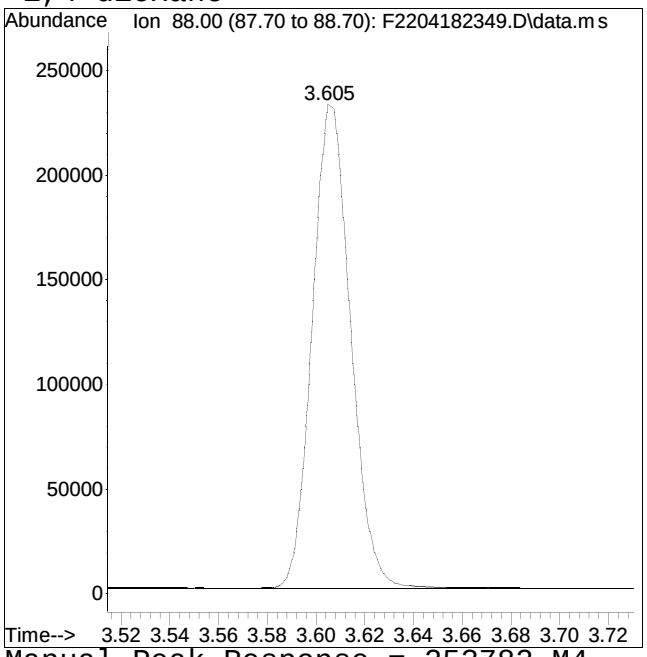
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204182349.D
Date Inj'd : 4/18/2023 11:02 pm
Sample : wg1767657-5,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/19/2023 4:51 am

Compound #2: 1,4-dioxane




Original Peak Response = 253194




Manual Peak Response = 253782 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192327.D
Acq On : 19 Apr 2023 4:10 pm
Operator : PAH22:TPR
Sample : WG1767229-5,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 04:53:20 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dioxane-d8 (IS) | 3.591 | 64 | 43266 | 500.000 | ng/mL | 0.08 |
| 3) 1,4-Dichlorobenzene-d4 | 8.009 | 152 | 380524 | 500.000 | ng/mL | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 1,4-dioxane-d8 | 3.591 | 64 | 43266 | 194.263 | ng/mL | 0.08 |
| Spiked Amount 500.000 | Range 15 - 115 | | Recovery = 38.85% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-dioxane | 3.635 | 88 | 61778M4 | 567.122 | ng/mL | |

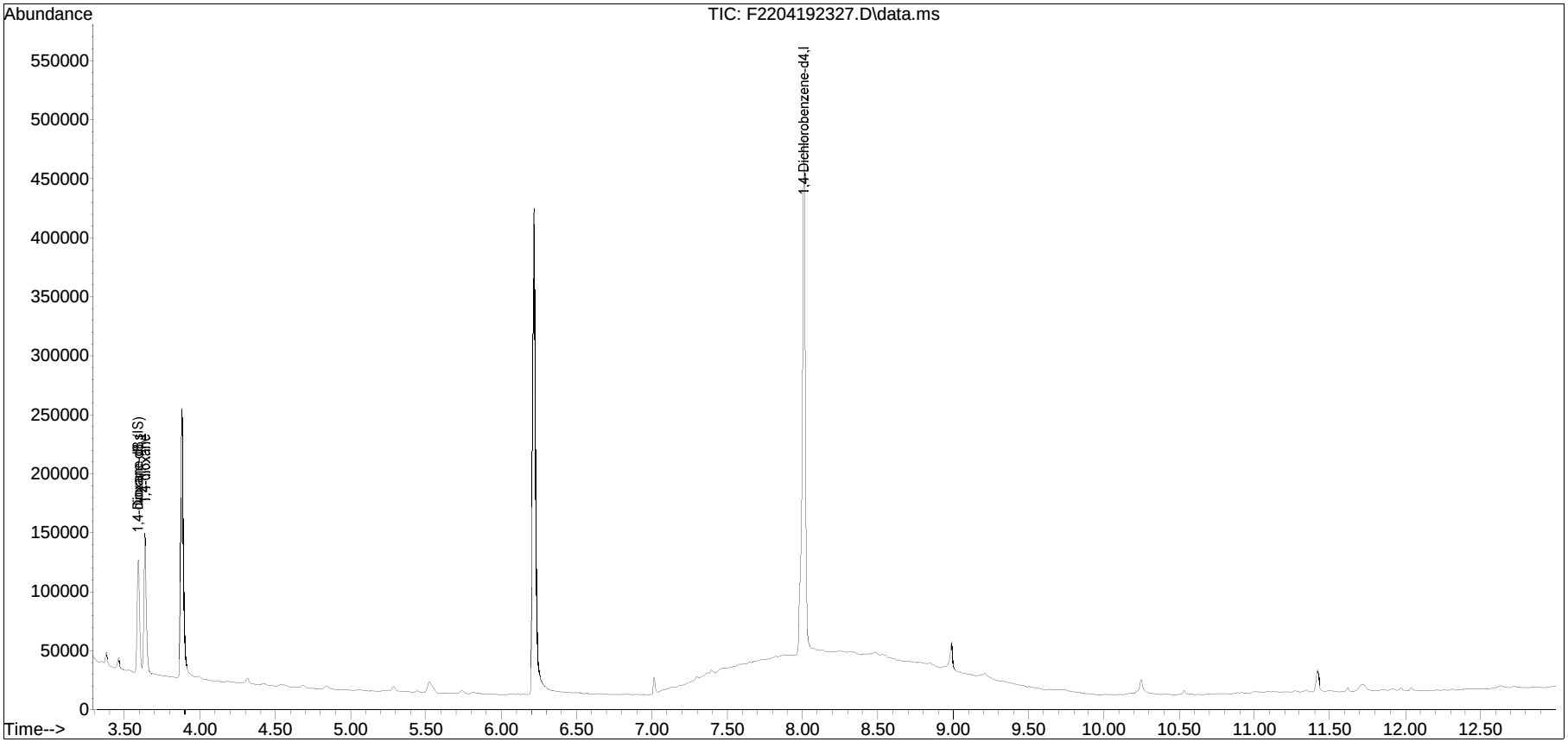
(#) = qualifier out of range (m) = manual integration (+) = signals summed

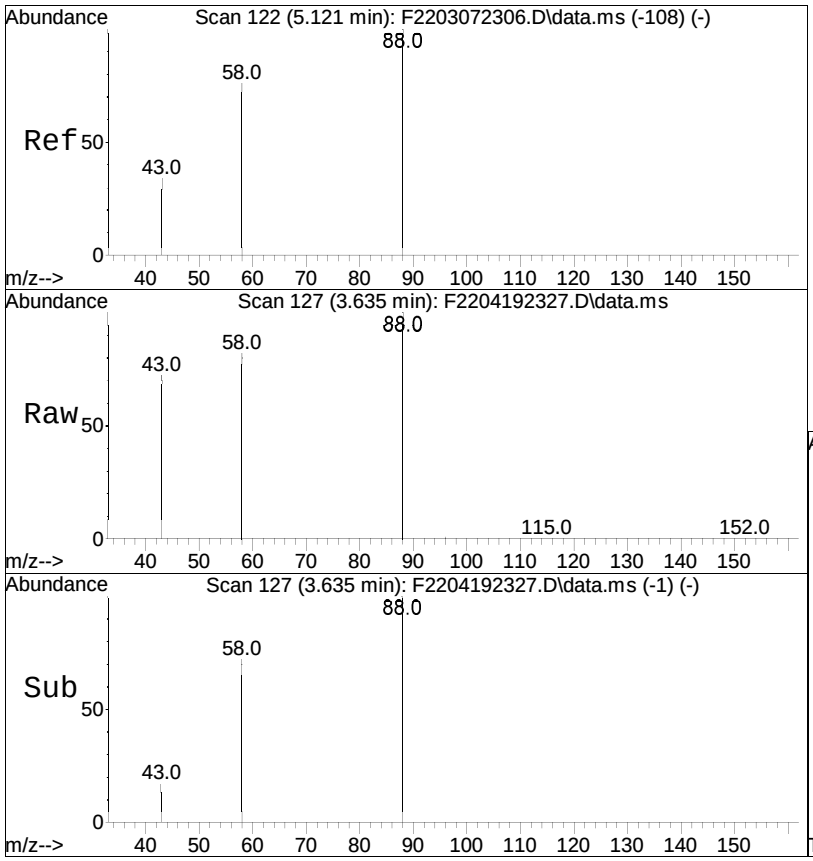
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH22\2023\APR\APR19\
Data File : F2204192327.D
Acq On : 19 Apr 2023 4:10 pm
Operator : PAH22:TPR
Sample : WG1767229-5,32,,
Misc : WG1768413,WG1767229,ICAL19784
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 20 04:53:20 2023
Quant Method : O:\Organics\DATA\PAH22\2023\APR\APR19\14DIOX0307PAH22.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Apr 19 07:57:37 2023
Response via : Initial Calibration

Sub List : Default - All compounds listed

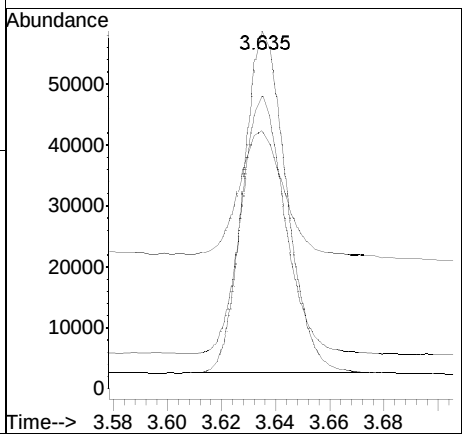





#2
1,4-dioxane
Concen: 567.12 ng/mL M4
RT: 3.635 min Scan# 127
Delta R.T. 0.083 min
Lab File: F2204192327.D
Acq: 19 Apr 2023 4:10 pm

Tgt Ion: 88 Resp: 61778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 75.7 | 59.4 | 89.0 |
| 43 | 36.1 | 24.6 | 36.8 |

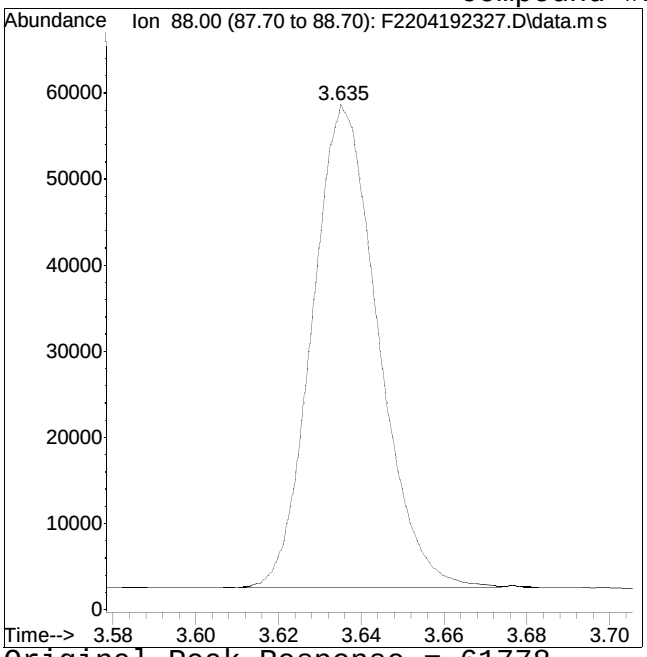


Manual Integration/Negative Proof Report

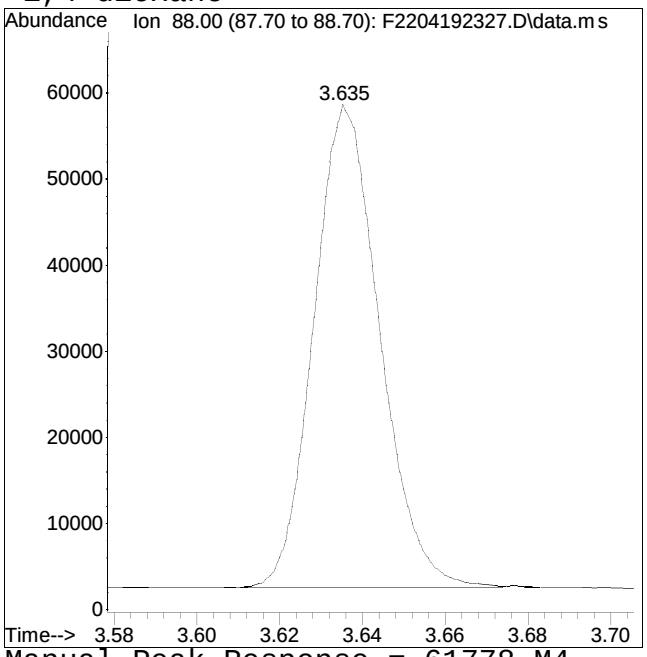
Data Path : O:\Organics\DATA\PAH22\2023Q
Data File : F2204192327.D
Date Inj'd : 4/19/2023 4:10 pm
Sample : WG1767229-5,32,,

Method : 14DIOX0307PAH22.M
Operator : PAH22:TPR
Instrument : PAH22
Quant Date : 4/20/2023 4:50 am

Compound #2: 1,4-dioxane




Original Peak Response = 61778




Manual Peak Response = 61778 M4

M4 = Poor automated baseline construction.

## Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 20 2023, 09:22 am

Work Group: WG1767955  for Department: 32 GC/MS - Semivolatiles

Created: 18-APR-23  Due:  Operator: tpr

| Sample | Client ID | C | Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|---|---|---|---|---|---|---|---|---|---|---|
| L2318907-04 | HOUSE WELL | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | 0417 | 0424 | S0 | Amber-A.25 |
| L2318907-05 | BARN WELL | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | 0417 | 0424 | S0 | Amber-A.25 |
| L2318961-03 | OW-51-20230410-01 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0417 | 0508 | S0 | Amber-A.25 |
| L2318972-05 | MW-BS01-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2319164-08 | GHR-13 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319164-09 | GHR-12 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319164-10 | GHR-DUP | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319164-13 | TRIP BLANK 2 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319164-14 | SW2 | C | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319164-15 | SWDUP | C | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0425 | S0 | Amber-A.25 |
| L2319196-03 | SEN-1B-20230411-01 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0509 | S0 | Amber-A.25 |
| L2319196-04 | SEN-2S-20230411-01 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0509 | S0 | Amber-A.25 |
| L2319240-01 | MW-7D | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-02 | MW-7S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-03 | MW-8S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-04 | MW-6D' | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-05 | MW-6D | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-06 | MW-6S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-06 | MW-10-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-09 | MW-12-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-10 | MW-13-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-11 | MW-14-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-12 | DUP01-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319276-13 | FB01-20230411 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319343-09 | FB-1 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-11 | SL-04 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-12 | SL-05 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-13 | SL-WB | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319673-01 | MW-1 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| L2319673-02 | MW-2 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| L2319673-03 | MW-3 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| L2319673-04 | MW-4 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-05 | MW-5 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-06 | MW-6 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-07 | MW-8 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| L2319673-08 | MW-9 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| L2319673-09 | MW-10R | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-10 | MW-11 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-11 | MW-12 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0418 | 0504 | S0 | Amber-A.25 |
| L2319673-13 | TWP_0423 | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | 0419 | 0504 | S0 | Amber-A.25 |
| WG1767456-1 | Laboratory Method Bl | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767456-2 | Laboratory Control S | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767456-3 | LCS Duplicate | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767456-4 | Matrix Spike | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767456-5 | Matrix Spike Duplica | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767457-1 | Laboratory Method Bl | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767457-2 | Laboratory Control S | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767457-3 | LCS Duplicate | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767458-1 | Laboratory Method Bl | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767458-2 | Laboratory Control S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767458-3 | LCS Duplicate | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767646-1 | Laboratory Method Bl | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767646-2 | Laboratory Control S | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767646-3 | LCS Duplicate | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767657-1 | Laboratory Method Bl | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767657-2 | Laboratory Control S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767657-3 | LCS Duplicate | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767657-4 | Matrix Spike | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767657-5 | Matrix Spike Duplica | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767661-1 | Laboratory Method Bl | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767661-2 | Laboratory Control S | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767661-3 | LCS Duplicate | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |



ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 20 2023, 09:22 am

Work Group: WG1767955  for Department: 32 GC/MS - Semivolatiles

Created: 18-APR-23 Due: Operator: tpr

| Sample | Client ID | C | Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|---|---|---|---|---|---|---|---|---|---|---|
| WG1767662-1 | Laboratory Method Bl | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767662-2 | Laboratory Control S | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767662-3 | LCS Duplicate | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767955-1 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767955-1 | MS DFTPP Tune Standa | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767955-1 | MS DFTPP Tune Standa | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767955-1 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767955-1 | MS DFTPP Tune Standa | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767955-2 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767955-2 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767955-2 | Continuing Calibrati | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767955-2 | Continuing Calibrati | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767955-2 | Continuing Calibrati | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767955-3 | MS DFTPP Tune Standa | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767955-3 | MS DFTPP Tune Standa | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767955-3 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767955-3 | MS DFTPP Tune Standa | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767955-3 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |
| WG1767955-4 | Continuing Calibrati | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767955-4 | Continuing Calibrati | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767955-4 | Continuing Calibrati | S | A2-NJ-14DIOXSIM-PPB | WATER | DONE | U | | | | |
| WG1767955-4 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767955-4 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | DW | DONE | U | | | | |

Comments:

| | |
|---|---|
| WG1767456-3 | WG1767456-2 |
| WG1767456-4 | L2318972-05 |
| WG1767456-5 | L2318972-05 |
| WG1767457-3 | WG1767457-2 |
| WG1767458-3 | WG1767458-2 |
| WG1767646-3 | WG1767646-2 |
| WG1767657-3 | WG1767657-2 |
| WG1767657-4 | L2319240-05 |
| WG1767657-5 | L2319240-05 |
| WG1767661-3 | WG1767661-2 |
| WG1767662-3 | WG1767662-2 |

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Apr 20 2023, 09:22 am

Work Group: WG1768413  for Department: 32 GC/MS - Semivolatiles

Created: 19-APR-23  Due:  Operator: tpr

| Sample | Client ID | C | Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|---|---|---|---|---|---|---|---|---|---|---|
| L2318961-11 | OW-40-20230410-01 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0417 | 0508 | S0 | Amber-A.25 |
| L2318961-12 | MW-211S-20230410-01 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0417 | 0508 | S0 | Amber-A.25 |
| L2318972-04 | MW-SD01-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2318972-07 | MW-SD24-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2318972-08 | MW-SD24-04102023 DUP | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2318972-10 | EQ-BLANK-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2318972-11 | MW-BS14-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2318972-13 | MW-BS15-04102023 | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | 0417 | 0501 | S0 | Amber-A.25 |
| L2319240-07 | MW-4S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319240-08 | DUP04112023 | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | 0418 | 0502 | S0 | Amber-A.25 |
| L2319343-01 | MS-58 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-02 | MS-57 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-03 | MS-63 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-04 | MS-64 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-05 | MS-111 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-06 | MS-103 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-07 | MS-03 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319343-08 | DUP-1 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0418 | 0426 | S0 | Amber-A.25 |
| L2319418-01 | EQUIPMENT BLANK 20230410 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0417 | 0426 | S0 | Amber-A.25 |
| L2319418-02 | HA23-11-111-121.5 | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | 0417 | 0426 | S0 | Amber-A.25 |
| WG1767227-1 | Laboratory Method Bl | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767227-2 | Laboratory Control S | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767227-3 | LCS Duplicate | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1767228-1 | Laboratory Method Bl | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767228-2 | Laboratory Control S | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767228-3 | LCS Duplicate | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1767229-1 | Laboratory Method Bl | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767229-2 | Laboratory Control S | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767229-3 | LCS Duplicate | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767229-4 | Matrix Spike | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1767229-5 | Matrix Spike Duplica | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1768413-1 | MS DFTPP Tune Standa | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1768413-1 | MS DFTPP Tune Standa | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1768413-1 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1768413-2 | Continuing Calibrati | S | A2-14-DIOXANESIM-PPB | WATER | DONE | U | | | | |
| WG1768413-2 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | WATER | DONE | U | | | | |
| WG1768413-2 | Continuing Calibrati | S | A2-1,4-DIOXANE-SIM | WATER | DONE | U | | | | |
| WG1768413-3 | MS DFTPP Tune Standa | S | A2-14-DIOXANESIM-PPB | WATER | DACQ | U | | | | |
| WG1768413-3 | MS DFTPP Tune Standa | S | A2-1,4-DIOXANE-SIM | WATER | DACQ | U | | | | |
| WG1768413-3 | MS DFTPP Tune Standa | S | A2-MCP14DXSIM-PPB-21 | WATER | DACQ | U | | | | |
| WG1768413-4 | Continuing Calibrati | S | A2-1,4-DIOXANE-SIM | WATER | DACQ | U | | | | |
| WG1768413-4 | Continuing Calibrati | S | A2-14-DIOXANESIM-PPB | WATER | DACQ | U | | | | |
| WG1768413-4 | Continuing Calibrati | S | A2-MCP14DXSIM-PPB-21 | WATER | DACQ | U | | | | |

Comments:

| | |
|---|---|
| WG1767227-3 | WG1767227-2 |
| WG1767228-3 | WG1767228-2 |
| WG1767229-3 | WG1767229-2 |
| WG1767229-4 | L2318961-12 |
| WG1767229-5 | L2318961-12 |

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\PAH22\2023\MAR\MAR07\

| No. | DATA FILE | INJ METH | SAMPLE NAME | MISC | DATE INJ'D |
|---|---|---|---|---|---|
| 1 | F2203072301.D | DFTPPPAH22.M | T2203072301 | WG1752199,,MSBO72 | 3/7/2023 12:35 pm |
| 2 | F2203072302.D | 14DIOXANEPAH | I2203072301 | WG1752199,,MSBO59 | 3/7/2023 1:21 pm |
| 3 | F2203072303.D | 14DIOXANEPAH | I2203072302 | WG1752199,,MSBO60 | 3/7/2023 1:50 pm |
| 4 | F2203072304.D | 14DIOXANEPAH | I2203072303 | WG1752199,,MSBO61 | 3/7/2023 2:19 pm |
| 5 | F2203072305.D | 14DIOXANEPAH | I2203072304 | WG1752199,,MSBO62 | 3/7/2023 2:49 pm |
| 6 | F2203072306.D | 14DIOXANEPAH | I2203072305 | WG1752199,,MSBO63 | 3/7/2023 3:14 pm |
| 7 | F2203072307.D | 14DIOXANEPAH | I2203072306 | WG1752199,,MSBO64 | 3/7/2023 3:42 pm |
| 8 | F2203072308.D | 14DIOXANEPAH | I2203072307 | WG1752199,,MSBO58 | 3/7/2023 4:11 pm |
| 9 | F2203072309.D | 14DIOXANEPAH | CQ2203072301 | WG1752199,,MSBO57 | 3/7/2023 4:41 pm |

Analysis log File

Total Files Reported in Log : 56
Log Generated From Directory: O:\Organics\DATA\PAH22\2023\APR\APR18\

| No. | DATA FILE | INJ METH | SAMPLE NAME | MISC | DATE INJ'D |
|---|---|---|---|---|---|
| 1 | F2204182301.D | DFTPPPAH22.M | WG1767955-1 | WG1767955,,ICAL19784,MS.. | 4/18/2023 5:46 am |
| 2 | F2204182302.D | 14DIOXANEPAH | WG1767955-2 | WG1767955,,ICAL19784,MS.. | 4/18/2023 6:18 am |
| 3 | F2204182303.D | 14DIOXANEPAH | IS CHECK | ,,ICAL19784,MSBP15 | 4/18/2023 6:43 am |
| 4 | F2204182304.D | 14DIOXANEPAH | wg1767662-1,32,, | WG1767955,WG1767662,ICA.. | 4/18/2023 7:03 am |
| 5 | F2204182305.D | 14DIOXANEPAH | wg1767662-2,32,, | WG1767955,WG1767662,ICA.. | 4/18/2023 7:24 am |
| 6 | F2204182306.D | 14DIOXANEPAH | wg1767662-3,32,, | WG1767955,WG1767662,ICA.. | 4/18/2023 7:44 am |
| 7 | F2204182307.D | 14DIOXANEPAH | l2318907-04,32,, | WG1767955,WG1767646,ICA.. | 4/18/2023 8:05 am |
| 8 | F2204182308.D | 14DIOXANEPAH | l2318907-05,32,, | WG1767955,WG1767646,ICA.. | 4/18/2023 8:26 am |
| 9 | F2204182309.D | 14DIOXANEPAH | l2319343-11,32,, | WG1767955,WG1767661,ICA.. | 4/18/2023 8:47 am |
| 10 | F2204182310.D | 14DIOXANEPAH | l2319343-12,32,, | WG1767955,WG1767661,ICA.. | 4/18/2023 9:09 am |
| 11 | F2204182311.D | 14DIOXANEPAH | l2319343-13,32,, | WG1767955,WG1767661,ICA.. | 4/18/2023 9:31 am |
| 12 | F2204182312.D | 14DIOXANEPAH | wg1767457-1,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 9:53 am |
| 13 | F2204182313.D | 14DIOXANEPAH | wg1767457-2,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 10:15 am |
| 14 | F2204182314.D | 14DIOXANEPAH | wg1767457-3,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 10:36 am |
| 15 | F2204182315.D | 14DIOXANEPAH | l2319164-08,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 10:57 am |
| 16 | F2204182316.D | 14DIOXANEPAH | l2319164-09,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 11:18 am |
| 17 | F2204182317.D | 14DIOXANEPAH | l2319164-10,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 11:40 am |
| 18 | F2204182318.D | 14DIOXANEPAH | l2319164-13,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 12:00 pm |
| 19 | F2204182319.D | 14DIOXANEPAH | l2319164-14,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 12:22 pm |
| 20 | F2204182320.D | 14DIOXANEPAH | l2319164-15,32,, | WG1767955,WG1767458,ICA.. | 4/18/2023 12:43 pm |
| 21 | F2204182321.D | 14DIOXANEPAH | l2318972-05,32,, | WG1767955,WG1767456,ICA.. | 4/18/2023 1:04 pm |
| 22 | F2204182322.D | 14DIOXANEPAH | wg1767456-4,32,, | WG1767955,WG1767456,ICA.. | 4/18/2023 1:25 pm |
| 23 | F2204182323.D | 14DIOXANEPAH | wg1767456-5,32,, | WG1767955,WG1767456,ICA.. | 4/18/2023 1:47 pm |
| 24 | F2204182324.D | 14DIOXANEPAH | l2319343-09,32,, | WG1767955,WG1767661,ICA.. | 4/18/2023 2:08 pm |
| 25 | F2204182325.D | 14DIOXANEPAH | l2319673-01,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 2:30 pm |
| 26 | F2204182326.D | 14DIOXANEPAH | l2319673-02,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 2:51 pm |
| 27 | F2204182327.D | DFTPPPAH22.M | WG1767955-3 | WG1767955,,ICAL19784,MS.. | 4/18/2023 3:09 pm |
| 28 | F2204182328.D | 14DIOXANEPAH | WG1767955-4 | WG1767955,,ICAL19784,MS.. | 4/18/2023 3:42 pm |
| 29 | F2204182329.D | 14DIOXANEPAH | l2319673-03,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 4:03 pm |
| 30 | F2204182330.D | 14DIOXANEPAH | l2319673-04,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 4:24 pm |
| 31 | F2204182331.D | 14DIOXANEPAH | l2319673-05,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 4:45 pm |
| 32 | F2204182332.D | 14DIOXANEPAH | l2319673-06,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 5:05 pm |
| 33 | F2204182333.D | 14DIOXANEPAH | l2319673-07,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 5:26 pm |
| 34 | F2204182334.D | 14DIOXANEPAH | l2319673-08,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 5:47 pm |
| 35 | F2204182335.D | 14DIOXANEPAH | l2319673-09,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 6:08 pm |
| 36 | F2204182336.D | 14DIOXANEPAH | l2319673-10,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 6:29 pm |
| 37 | F2204182337.D | 14DIOXANEPAH | l2319673-11,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 6:50 pm |
| 38 | F2204182338.D | 14DIOXANEPAH | l2319673-13,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 7:11 pm |
| 39 | F2204182339.D | 14DIOXANEPAH | l2319276-13,32,, | WG1767955,WG1767457,ICA.. | 4/18/2023 7:33 pm |
| 40 | F2204182340.D | 14DIOXANEPAH | l2318961-03,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 7:54 pm |
| 41 | F2204182341.D | 14DIOXANEPAH | l2319196-04,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 8:15 pm |
| 42 | F2204182342.D | 14DIOXANEPAH | l2319196-03,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 8:36 pm |
| 43 | F2204182343.D | 14DIOXANEPAH | l2319240-01,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 8:57 pm |
| 44 | F2204182344.D | 14DIOXANEPAH | l2319240-02,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 9:18 pm |
| 45 | F2204182345.D | 14DIOXANEPAH | l2319240-03,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 9:39 pm |
| 46 | F2204182346.D | 14DIOXANEPAH | l2319240-04,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 10:00 pm |
| 47 | F2204182347.D | 14DIOXANEPAH | l2319240-05,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 10:20 pm |
| 48 | F2204182348.D | 14DIOXANEPAH | wg1767657-4,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 10:41 pm |
| 49 | F2204182349.D | 14DIOXANEPAH | wg1767657-5,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 11:02 pm |
| 50 | F2204182350.D | 14DIOXANEPAH | l2319240-06,32,, | WG1767955,WG1767657,ICA.. | 4/18/2023 11:22 pm |
| 51 | F2204182351.D | 14DIOXANEPAH | l2319276-06,32,, | WG1767955,WG1767662,ICA.. | 4/18/2023 11:43 pm |
| 52 | F2204182352.D | 14DIOXANEPAH | l2319276-09,32,, | WG1767955,WG1767662,ICA.. | 4/19/2023 12:03 am |
| 53 | F2204182353.D | 14DIOXANEPAH | l2319276-10,32,, | WG1767955,WG1767662,ICA.. | 4/19/2023 12:24 am |
| 54 | F2204182354.D | 14DIOXANEPAH | l2319276-11,32,, | WG1767955,WG1767662,ICA.. | 4/19/2023 12:44 am |
| 55 | F2204182355.D | 14DIOXANEPAH | l2319276-12,32,, | WG1767955,WG1767662,ICA.. | 4/19/2023 1:04 am |
| 56 | F2204182356.D | 14DIOXANEPAH | IS CHECK | WG1767955,WG1767662,ICA.. | 4/19/2023 1:25 am |

Analysis log File

Total Files Reported in Log : 27
Log Generated From Directory: O:\Organics\DATA\PAH22\2023\APR\APR19\

| No. | DATA FILE | INJ METH | SAMPLE NAME | MISC | DATE INJ'D |
|---|---|---|---|---|---|
| 1 | F2204192301.D | DFTPPPAH22.M | WG1768413-1 | WG1768413,,ICAL19784,MS.. | 4/19/2023 6:42 am |
| 2 | F2204192302.D | 14DIOXANEPAH | WG1768413-2 | WG1768413,,ICAL19784,MS.. | 4/19/2023 7:14 am |
| 3 | F2204192303.D | 14DIOXANEPAH | WG1767229-1,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 7:36 am |
| 4 | F2204192304.D | 14DIOXANEPAH | WG1767229-2,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 7:56 am |
| 5 | F2204192305.D | 14DIOXANEPAH | WG1767229-3,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 8:17 am |
| 6 | F2204192306.D | 14DIOXANEPAH | L2319343-02,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 8:37 am |
| 7 | F2204192307.D | 14DIOXANEPAH | L2319343-03,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 8:57 am |
| 8 | F2204192308.D | 14DIOXANEPAH | L2319343-04,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 9:19 am |
| 9 | F2204192309.D | 14DIOXANEPAH | L2319343-05,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 9:39 am |
| 10 | F2204192310.D | 14DIOXANEPAH | L2319343-06,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 10:00 am |
| 11 | F2204192311.D | 14DIOXANEPAH | L2319343-07,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 10:24 am |
| 12 | F2204192312.D | 14DIOXANEPAH | L2319343-08,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 10:46 am |
| 13 | F2204192313.D | 14DIOXANEPAH | L2319418-01,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 11:07 am |
| 14 | F2204192314.D | 14DIOXANEPAH | L2319418-02,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 11:28 am |
| 15 | F2204192315.D | 14DIOXANEPAH | L2319343-01,32,, | WG1768413,WG1767228,ICA.. | 4/19/2023 11:49 am |
| 16 | F2204192316.D | 14DIOXANEPAH | L2319240-07,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 12:09 pm |
| 17 | F2204192317.D | 14DIOXANEPAH | L2319240-08,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 12:30 pm |
| 18 | F2204192318.D | 14DIOXANEPAH | L2318972-04,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 12:51 pm |
| 19 | F2204192319.D | 14DIOXANEPAH | L2318972-07,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 1:12 pm |
| 20 | F2204192320.D | 14DIOXANEPAH | L2318972-08,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 1:33 pm |
| 21 | F2204192321.D | 14DIOXANEPAH | L2318972-10,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 1:55 pm |
| 22 | F2204192322.D | 14DIOXANEPAH | L2318972-11,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 2:16 pm |
| 23 | F2204192323.D | 14DIOXANEPAH | L2318972-13,32,, | WG1768413,WG1767227,ICA.. | 4/19/2023 2:39 pm |
| 24 | F2204192324.D | 14DIOXANEPAH | L2318961-11,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 3:01 pm |
| 25 | F2204192325.D | 14DIOXANEPAH | L2318961-12,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 3:24 pm |
| 26 | F2204192326.D | 14DIOXANEPAH | WG1767229-4,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 3:47 pm |
| 27 | F2204192327.D | 14DIOXANEPAH | WG1767229-5,32,, | WG1768413,WG1767229,ICA.. | 4/19/2023 4:10 pm |

# ORGANIC ELN REPORT

**Workgroup: WG1767657**

**Prep Method:** EPA 3510C
**Solvent Type:** DCM **Lot #:** EG212-US
**Surrogate Type:** 1,4-DIOXANE **Lot #:** MSBO92
**Spike Type:** 1,4-DIOXANE **Lot #:** MSBO69
**Spike Verify by:** BAW
**Lims Spikelot:** 14DIOXANE

**Additional Reagents/Stds**

| | |
|---|---|
| Glass Wool | 34021999 |
| Na2SO4 | 23A1161006 |

**Conc.Method:** S-EVAP
**Solvent Type:** DCM
**Lot #:** Eg212-US

**Additional Reagents/Stds**

***Cleanup 1***

**Cleanup Method 1:**
**Cleanup Method 2:**
**Solvent Type:** **Lot #:**

**Additional Reagents/Stds**

| Sample/ Type | Extraction: Extract Date | Analyst | Sample Vol ml | Ph | Surr Amt ml | Spike Amt ml | Concentration: Conc Date | Analyst | Final Vol ml | Conc Unit |
|---|---|---|---|---|---|---|---|---|---|---|
| L2318961-03 SAMP | 04/17/23 13:39 | Amanda Luiz | 260 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319196-03 SAMP | 04/17/23 13:39 | Amanda Luiz | 250 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319196-04 SAMP | 04/17/23 13:39 | Amanda Luiz | 280 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319240-01 WATER | 04/17/23 13:39 | Amanda Luiz | 250 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319240-02 WATER | 04/17/23 13:39 | Amanda Luiz | 270 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319240-03 WATER | 04/17/23 13:39 | Amanda Luiz | 260 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |



Reported: 20-APR-23 09:22 AM

# ORGANIC ELN REPORT

**Workgroup: WG1767657**

| Sample/ Type | Extraction | | | | | | Concentration | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Extract Date | Analyst | Sample Vol **ml** | Ph | Surr Amt **ml** | Spike Amt **ml** | Conc Date | Analyst | Final Vol **ml** | Conc Unit |
| L2319240-04 WATER | 04/17/23 13:39 | Amanda Luiz | 270 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319240-05 WATER | 04/17/23 13:39 | Amanda Luiz | 270 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| L2319240-06 WATER | 04/17/23 13:39 | Amanda Luiz | 260 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| WG1767657-1 BLANK | 04/17/23 13:39 | Amanda Luiz | 250 | 7 | .25 | | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| | **SHARES QC'S WITH WG1767661_7662_7646 BAW 4/17/23** | | | | | | | | | |
| WG1767657-2 LCS | 04/17/23 13:39 | Amanda Luiz | 250 | 7 | .25 | .25 | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| WG1767657-3 LCSD | 04/17/23 13:39 | Amanda Luiz | 250 | 7 | .25 | .25 | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| WG1767657-4 MS | 04/17/23 13:39 | Amanda Luiz | 270 | 7 | .25 | .25 | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |
| WG1767657-5 MSD | 04/17/23 13:39 | Amanda Luiz | 260 | 7 | .25 | .25 | 04/17/23 15:00 | Brendon A Wadland | 2.5 | SEVAP 1 |

# ORGANIC ELN REPORT

**Workgroup: WG1767229**

**Prep Method:** EPA 3510C
**Solvent Type:** DCM **Lot #:** EG212-US
**Surrogate Type:** 1,4-DIOXANE **Lot #:** MSBO92
**Spike Type:** 1,4-DIOXANE **Lot #:** MSBO69
**Spike Verify by:** GMF
**Lims Spikelot:** 14DIOXANE

**Additional Reagents/Stds**

| | |
|---|---|
| Glass Wool | 34021999 |
| Na2SO4 | 23A1161006 |

**Conc.Method:** S-EVAP
**Solvent Type:** DCM
**Lot #:** EG212-US

**Additional Reagents/Stds**

***Cleanup 1***

**Cleanup Method 1:**
**Cleanup Method 2:**
**Solvent Type:** **Lot #:**

**Additional Reagents/Stds**

| Sample/ Type | Extraction | | | | | | Concentration | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Extract Date | Analyst | Sample Vol ml | Ph | Surr Amt ml | Spike Amt ml | Conc Date | Analyst | Final Vol ml | Conc Unit |
| L2318961-11 SAMP | 04/15/23 18:28 | John Mclaughlin | 280 | 7 | .25 | | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| L2318961-12 SAMP | 04/15/23 18:28 | John Mclaughlin | 280 | 7 | .25 | | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| L2319240-07 WATER | 04/15/23 18:28 | John Mclaughlin | 270 | 7 | .25 | | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| L2319240-08 WATER | 04/15/23 18:28 | John Mclaughlin | 245 | 7 | .25 | | 04/15/23 19:30 | John Mclaughlin | 2.5 | SEVAP 1 |
| WG1767229-1 BLANK | 04/15/23 18:28 | John Mclaughlin | 250 | 7 | .25 | | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| | **SHARES QCS WITH WG1767228_27 - JWM 4/15/2023** | | | | | | | | | |
| WG1767229-2 LCS | 04/15/23 18:28 | John Mclaughlin | 250 | 7 | .25 | .25 | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |



Reported: 20-APR-23 09:22 AM

# ORGANIC ELN REPORT

**Workgroup: WG1767229**

| Sample/ Type | Extraction | | | | | | Concentration | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Extract Date | Analyst | Sample Vol **ml** | Ph | Surr Amt **ml** | Spike Amt **ml** | Conc Date | Analyst | Final Vol **ml** | Conc Unit |
| WG1767229-3 LCSD | 04/15/23 18:28 | John Mclaughlin | 250 | 7 | .25 | .25 | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| WG1767229-4 MS | 04/15/23 18:28 | John Mclaughlin | 270 | 7 | .25 | .25 | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |
| WG1767229-5 MSD | 04/15/23 18:28 | John Mclaughlin | 280 | 7 | .25 | .25 | 04/15/23 19:29 | John Mclaughlin | 2.5 | SEVAP 1 |



Reported: 20-APR-23 09:22 AM