
**VOLUNTARY CLEANUP PROGRAM
SEMI-ANNUAL PROGRESS REPORT – May 2022 to December 2022**

**Former Pfizer Inc Site D
Operable Unit 1 (OU-1)
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York**

**Index No. D2-0010-0703
Site No. V00350**

Period: May 1, 2022 through December 2, 2022
Report Date: February 24, 2023
Site Phase: Site Management Plan Implementation
Regulatory Contact: Sondra Martinkat
New York State Department of Environmental Conservation
Region 2 – Division of Environmental Remediation
47-40 21st Street, Long Island City, New York 11101

Activities Performed

Groundwater monitoring data continued to be collected and evaluated following the fourth round of in situ treatment injections. These injections, conducted in November 2020, applied MicroZVI and HRC in 19 injection locations within and around the Site D property. The implementation methods for the injections are detailed in the Summary of Supplemental In Situ Treatment Injection Program Letter Report, submitted on January 13, 2021.

Groundwater Monitoring

The most recent groundwater monitoring events were performed on September 28, 2022 and December 2, 2022, representing the sixth and seventh sampling events following the latest round of *In Situ* injections performed in November 2020, and the twenty-third and twenty-fourth sampling events following the first *In Situ* Chemical Oxidation (ISCO) injection round performed in April-May 2016. The results of the groundwater sampling events are provided below and demonstrate declining CVOC concentrations and improving groundwater quality since the October 2020 (pre-injection of the latest round, baseline) groundwater sampling round, as described in the summary of results below.

The monitoring well network sampled included MW-D2, MW-D2I, MW-10, MW-19, MW-20, MW-21, MW-23, MW-24I, and MW-25I. MW-22 could not be located and was likely destroyed during ongoing construction in Lot 50. Water-level measurements were collected at all wells from the top of the well casing to the depth of static groundwater. The results of the gauging rounds are presented in Table 1.

Following the groundwater gauging round, groundwater samples were collected using low-flow groundwater sampling procedures. The pump intake was set within the saturated portion of the well screen during purging and sampling activities. Prior to collecting groundwater samples, each monitoring well was purged at a flow rate of approximately 0.2 liters per minute (L/min). Flow rates were adjusted to maintain minimal drawdown in the well during purging activities. A portable water-quality meter, equipped with an in-line flow-through cell, was used to monitor water quality indicator parameters (pH, conductivity, dissolved oxygen [DO], oxidation-reduction potential [ORP], temperature, and turbidity).

Groundwater quality measurements were collected every three to five minutes until the field parameters stabilized. Dissolved oxygen and ORP field data are presented in Table 2.

Purging was considered complete when the field parameters stabilized, after which groundwater samples were collected and submitted for VOC analysis. The VOC results of these samples are summarized in Table 3 and presented in Plate 1. The general chemistry results of these samples are summarized in Table 4.

Groundwater Monitoring Results

The areas around monitoring wells MW-10, MW-20, MW-24I, MW-25I, MW-D2, and MW-D2I were targeted for treatment injections programs that were implemented on the following dates:

- *First Round ISCO Injections: May 2016*
- *Second Round ISCO Injections: September 2017*
- *Third Round PlumeStop® Injections: December 2017*
- *Fourth Round MicroZVI™ and HRC® Injections: November 2020*

The details of the November 2020 injection event are summarized in the Summary of Supplemental *In Situ* Treatment Injection program dated January 13, 2021. The December 2022 sampling event was the seventh sampling event following the most recent, November 2020, injection program. The resulting CVOC concentrations from wells in the network noted above are summarized below and on Plate 1.

| | Total CVOC Concentration ¹ | | | | | | | |
|---------|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| | Oct-20 | Jan-21 | Apr-21 | Oct-21 | Jan-22 | Apr-22 | Sep-22 | Dec-22 |
| MW-10 | 1.6 | 1.59 | 1.5 | 343.9 | 274.7 | 318.8 | 393.1 | 11.8 |
| MW-20 | 18 | 25 | 1150 | 284 | 111 | 471 | 660 | 124 |
| MW-24I | 2,360 | 5,540 | 600 | 115 | 212 | 27 | 42 | 20.8 |
| MW-25I | 640 | 360 | 380 | 37 | 13 | 4.8 | 28.4 | 34.7 |
| MW-D2 | 15,923 | 788 | 3,610 | 265 | NS | 60.5 | 116.7 | 85.9 |
| MW-D2I | 1570 | 301 | 131 | 84 | 47 | 26.42 | 17.7 | 12.34 |
| Average | 3,419 | 1,169 | 979 | 188 | 132 | 151 | 210 | 48 |

1. The total CVOC concentration in micrograms per liter (µg/L) was calculated by adding the concentrations of cis-1,2-dichloroethene (cis-1,2 DCE), trans-1,2-dichloroethene (trans-1,2 DCE), trichloroethene (TCE), tetrachloroethene (PCE), and vinyl chloride (VC).

Following the fourth round of *in situ* treatment injections, reductions in total CVOC concentrations of 95 to 99% were observed in monitoring wells MW-24I, MW-25I, MW-D2, and MW-D2I. All monitoring wells from within the ROI experienced a decrease in total CVOC concentrations compared to pre-injection results. For the fifth consecutive sampling event, total CVOC concentrations in all monitoring wells from within, and outside of, the ROI are now well below 1,000 µg/L. The average total CVOC concentration of wells within the ROI shows decline (Table 3, Plate 1). This suggests that the aquifer matrix has stabilized and is continuing to degrade the remaining contaminants.

Groundwater elevation ranged from 2.00 feet above mean sea level (ft amsl) at MW-25I to 3.15 ft amsl at MW-21 across the Site (Table 1). These elevations reflect historic results, including those recorded in September 2022. Groundwater elevation will continue to be monitored in the Spring 2023 semi-annual sampling event.

The presence of ethene, the daughter product of vinyl chloride degradation, in monitoring wells MW-D2 and MW-D2I indicates continued degradation of CVOCs. Redox potential (ORP) and TOC concentrations continue to confirm reducing conditions in the aquifer.

Continued CVOC reductions are expected over time at monitoring wells south of Gerry Street as the bioremediation treatment continues. The reductive conditions observed support the expectation of continued degradation.

Modifications or Amendments to the SMP

There were no modifications or amendments to the SMP during this reporting period.

Actions Planned for the Next Quarterly Reporting Period

The following activities are scheduled for the next reporting period (December 3, 2022 through April 30, 2023):

- March/April 2023 Semi-Annual Groundwater sampling event.

If you have any questions or require any additional information on this report, please do not hesitate to contact me at (631) 232-2600.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.



Julia Michaels
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Semi-Annual Progress Report – May 2022 to December 2022
Former Pfizer Inc Site D – Operable Unit 1 (OU-1)
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

TABLES

1. Summary of Water Level Data
2. *In Situ* Treatment Injections Monitoring Data
3. Summary of Volatile Organic Compounds in Groundwater
4. Summary of General Chemistry in Groundwater

Table 1. Summary of Water Level Data, Former Pfizer Inc Site D, Brooklyn, New York

| December 2, 2022 | | | | |
|-----------------------|---|---|--|--|
| Well Number | Elevation of Grade (ft msl) ² | Elevation of Measuring Point (ft msl) ¹ | Depth to Water (ft below measuring point) | Groundwater Elevation (ft msl) ² |
| MW-8 ⁵ | 12.88 | 15.49 | NM | -- |
| MW-9 ⁵ | 11.70 | 11.42 | NM | -- |
| MW-10 | 12.60 | 12.37 | 9.61 | 2.76 |
| MW-16R ^{2,5} | 10.05 | 9.46 | NM | -- |
| MW-18 ⁵ | 9.71 | 9.43 | NM | -- |
| MW-19 ³ | 12.75 | 11.57 | 8.65 | -- ³ |
| MW-20 | 12.48 | 12.30 | 9.32 | 2.98 |
| MW-21 | 12.19 | 11.93 | 8.78 | 3.15 |
| MW-22 ⁶ | 12.88 | 12.60 | NM | -- |
| MW-23 | 13.24 | 12.98 | 9.90 | 3.08 |
| MW-24I ⁴ | 11.67 | 11.08 | 8.28 | 2.80 |
| MW-25I | 12.38 | 11.00 | 9.00 | 2.00 |
| MW-D2 | 12.92 | 12.15 | 9.24 | 2.91 |
| MW-D2I | 12.90 | 11.95 | 9.35 | 2.60 |

Note:

1. Elevation data is reported in feet relative to mean sea level (ft msl) using the Borough of Brooklyn Highway Datum.
2. Monitoring well MW-16R was installed on August 12, 2015. Survey datum from MW-16 used for contouring purposes.
3. Monitoring well MW-19 was partially damaged; measuring point now approximately 0.7 ft below surveyed elevation. MW-19 not used on contour map.
4. Monitoring well MW-24I was redeveloped on May 28, 2020.
5. Monitoring wells MW-8, MW-9, MW-16R and MW-18 were abandoned in January 2020.
6. Monitoring well MW-22 is likely destroyed from construction activity within Lot 50.

Table 2. In Situ Treatment Injections Monitoring Data, Former Pfizer Inc Site D, Brooklyn, New York

| DATE | MW-D2 | | MW-D2I | | MW-24I | | MW-25I | | MW-9 | | MW-10 | | MW-19 | | MW-20 | | MW-21 | | MW-22 | | MW-23 | |
|--|--------------------|--------|--------|--------------------|--------|--------|--------|--------------------|------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|
| | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP | DO | ORP |
| 09/18/2017 Pre-PersulfOx™ Baseline | 2.84 | -79.2 | 2.89 | -70.0 | 3.60 | -47.1 | 7.37 | -3.8 | NM | NM | 5.05 | 15.2 | 2.09 | -88.2 | 1.60 | -84.9 | 2.55 | 35.6 | 1.69 | -58.1 | 2.13 | 116.8 |
| 11/21/2017 Pre-PlumeStop® Baseline | 0.15 | 14.6 | NM | 271 ⁴ | 2.47 | 156.1 | NM | 166.0 ⁴ | 1.59 | -97.2 | 1.64 | 74.0 | 0.52 | -20.0 | 0.11 | -63.9 | 1.89 | 41.8 | 0.18 | 73.8 | 0.54 | 86.6 |
| 12/21/2017 Post-PlumeStop® Injections | NM | NM | 0.04 | -140.3 | 0.18 | -154.9 | 0.14 | -188.1 | NM | NM | 0.20 | -129.0 | 0.04 | -44.9 | 0.06 | -175.5 | 0.02 | -54.5 | 0.05 | -28.5 | NM | NM |
| 01/23/2018 1 Month Post-PlumeStop® | 0.21 | -133.4 | 0.17 | 131.6 ⁵ | 0.52 | -93.2 | 0.29 | -109.5 | NM | NM | 1.10 | -42.9 | 0.21 | -28.4 | NM | NM | 1.09 | -2.1 | 0.59 | -12.0 | 0.41 | 127.1 |
| 02/16/2018 2 Months Post-PlumeStop® | 0.15 | -177.3 | 0.58 | -61.6 | 1.53 | -39.2 | 0.38 | -78.2 | 0.65 | -19.3 | 0.75 | 84.9 | 0.30 | -26.8 | 0.27 | -59.5 | 0.38 | 22.2 | 0.53 | 12.6 | 0.34 | 65.7 |
| 03/06/2018 2.5 Months Post-PlumeStop® | 0.37 | -215.4 | 0.54 | -177.4 | 1.59 | -108.7 | 0.72 | -124.3 | NM | NM | 0.67 | -52.0 | 1.09 | 15.3 | 1.37 | -80.2 | 0.99 | 63.1 | 0.76 | 91.4 | 1.83 | 119.0 |
| 03/30/2018 ⁶ 3 Months Post-PlumeStop® | 0.20 | -313.0 | 0.52 | -122.0 | 0.37 | -137.0 | 0.26 | -142.0 | NM | NM | 0.52 | -12.0 | 0.72 | -76.0 | 0.59 | -138.0 | 1.70 | 99.0 | 0.49 | 105.0 | 2.55 | 162.0 |
| 04/26/2018 4 Months Post-PlumeStop® | -1.19 ⁵ | -332.5 | 0.21 | -218.3 | 0.45 | -112.0 | 0.45 | -138.9 | NM | NM | 1.42 | 122.4 | 0.03 | -90.8 | 0.46 | -136.1 | 0.25 | 50.1 | 0.28 | 48.9 | 0.39 | 42.2 |
| 07/02/2018 ⁶ 6 Months Post-PlumeStop® | 0.68 | -395.0 | 1.01 | -168.0 | 0.37 | -147.0 | NM | NM | NM | NM | NM | NM | 0.41 | -101.0 | 0.62 | -199.0 | 0.27 | -30.0 | 0.41 | -18.0 | 0.39 | 4.0 |
| 10/09/2018 ⁶ 9 Months Post-PlumeStop® | 9.95 ⁵ | -374.0 | 2.08 | -178.0 | 0.00 | -84.0 | 1.44 | -126.0 | NM | NM | 0.59 | -53.0 | 0.18 | -55.0 | 3.45 | -251.0 | 0.06 | -72.0 | 0.05 | -63.0 | 0.08 | -28.0 |
| 1/10/2019 ⁵ 12 Months Post-PlumeStop® | 0.00 | -162.0 | 0.00 | -52.0 | 0.97 | -284.0 | 0.00 | -53.0 | NM | NM | 0.00 | -76.0 | 0.01 | -60.0 | 0.23 | -99.0 | 0.00 | -8.0 | 0.26 | -86.0 | 0.00 | -40.0 |
| 4/4/2019 ⁶ 15 Months Post-PlumeStop® | 0.00 | -154.0 | 0.00 | -91.0 | 0.00 | -152.0 | 0.00 | -52.0 | NM | NM | 0.00 | -8.0 | 0.00 | -67.0 | 0.23 | -99.0 | 0.00 | -55.0 | 0.00 | -94.0 | 0.00 | -16.0 |
| 7/8/2019 ⁶ 18 Months Post-PlumeStop® | 0.45 | -72.0 | 0.43 | -92.0 | NM | NM | 0.43 | -49.0 | NM | NM | 1.10 | -52.0 | 0.62 | -83.0 | 0.43 | -70.0 | 0.53 | 18.0 | 0.50 | -101.0 | 0.36 | 58.0 |
| 10/4/2019 ⁶ 21 Months Post-PlumeStop® | 0.00 | -164.0 | 0.00 | -202.0 | NM | NM | 0.00 | -134.0 | NM | NM | 0.00 | -119.0 | 0.00 | -104.0 | 0.30 | -156.0 | 0.12 | -78.0 | 0.24 | -124.0 | 0.00 | -43.0 |
| 5/29/2020 ⁶ 21 Months Post-PlumeStop® | 0.34 | -151.0 | 0.29 | -141.0 | 0.33 | -139.0 | 0.42 | -146.0 | NM | NM | 3.59 | -130.0 | 0.69 | -107.0 | 0.39 | -155.0 | 0.22 | -59.0 | 0.26 | -133.0 | 0.30 | 28.0 |
| 10/28/2020 ⁶ 27 Months Post-PlumeStop® | 0.21 | -118.0 | 0.22 | -148.0 | 0.18 | -144.0 | 0.09 | -130.0 | NM | NM | 0.11 | 27.0 | 0.36 | -94.0 | 0.26 | -120.0 | 0.34 | -11.0 | 0.13 | -138.0 | 3.40 | -51.0 |
| 1/25/2021 30 Months Post-PlumeStop® | 0.03 | -381.0 | 0.00 | -18.0 | 0.00 | -132.0 | 0.22 | -142.0 | NM | NM | 0.00 | -24.0 | 7.45 | -22.0 | 0.00 | -198.0 | 6.67 | -12.0 | NM | NM | 0.08 | 9.0 |
| 4/28/2021 33 Months Post-PlumeStop® | 0.80 | -258.0 | 1.90 | -233.0 | 0.00 | -200.0 | 0.00 | -128.0 | NM | NM | 0.00 | -38.0 | 0.00 | -101.0 | 0.00 | -291.0 | 0.00 | -226.0 | NM | NM | 0.00 | -22.0 |
| 10/27/2021 39 Months Post-PlumeStop® | 0.00 | -140.0 | 0.00 | 111.0 | 0.00 | -132.0 | 0.00 | -71.0 | NM | NM | 0.00 | -74.0 | 1.30 | 81.0 | 0.00 | -124.0 | 0.00 | -50.0 | NM | NM | 0.00 | -55.0 |
| 4/28/2022 45 Months Post-PlumeStop® | NM | NM | 0.00 | -46.0 | 0.00 | -45.0 | 0.00 | -54.0 | NM | NM | 0.00 | -84.0 | 1.30 | 81.0 | 0.00 | -61.0 | 0.00 | 108.0 | NM | NM | 0.64 | 159.0 |
| 9/28/2022 50 Months Post-PlumeStop® | 0.00 | -213.0 | 0.00 | -193.0 | 0.66 | -236.0 | 0.00 | -90.0 | NM | NM | 0.57 | -219.0 | 4.07 | 53.0 | 0.63 | -205.0 | 0.00 | -59.0 | NM | NM | 0.00 | -22.0 |
| 12/2/2022 53 Months Post-PlumeStop® | 4.70 | -179.0 | 8.17 | -107.0 | 4.77 | -105.0 | 4.05 | -78.0 | NM | NM | 0.11 | -40.0 | 0.00 | 415.0 | 0.00 | -55.0 | 0.00 | 286.0 | NM | NM | 3.90 | -43.0 |

Notes:

1. Dissolved Oxygen (DO) measured in milligrams per liter (mg/L) using a downhole probe model YSI 600XL.
2. Oxidation Reduction Potential (ORP) measured in millivolts (mV) using a downhole probe model YSI 600XL.
3. NM - Not measured.
4. ORP measured using a flow cell model Horiba U-52.
5. Potential instrument error due to presence of PlumeStop®.
6. DO and ORP measured using a flow cell model Horiba U-52 on 03/30/2018, and all events after 07/02/2018.

Notes Utilized Throughout Tables

Groundwater Tables

J - Estimated Value

U - Compound was analyzed for but not detected

FD - Duplicate

NA - Compound was not analyzed for by laboratory

µg/L - Micrograms per liter

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | 2.5 U | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 15 U | 15 U | NA | NA | 1.5 U | 15 U | 7.5 U | NA |
| 1,1-Dichloroethane | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,1-Dichloroethene | 5 | UG/L | 5 U | 1.4 J | 5 U | 10 U | 2 | 5 U | 0.9 J | NA |
| 1,1-Dichloropropene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 20 U | 20 U | NA | NA | 2 U | 20 U | 10 U | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 20 U | 20 U | NA | NA | 2 U | 20 U | 10 U | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,2-Dichloroethane | 0.6 | UG/L | 5 U | 5 U | 5 U | 10 U | 0.5 U | 5 U | 2.5 U | NA |
| 1,2-Dichloropropane | 1 | UG/L | 10 U | 10 U | NA | NA | 1 U | 10 U | 5 U | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,3-Dichlorobenzene | 3 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,3-Dichloropropane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| 1,4-Diethyl Benzene | -- | UG/L | 20 U | 20 U | NA | NA | 2 U | 20 U | 10 U | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 2500 U | 2500 U | 2500 U | 5000 U | 250 U | 2500 U | 1200 U | NA |
| 2,2-Dichloropropane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 2-Chlorotoluene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 2-Hexanone | 50 | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| 4-Chlorotoluene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| 4-Ethyltoluene | -- | UG/L | 20 U | 20 U | NA | NA | 2 U | 20 U | 10 U | NA |
| Acetone | 50 | UG/L | 50 U | 50 U | 50 U | 100 U | 5 U | 50 U | 25 U | NA |
| Acrylonitrile | 5 | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Benzene | 1 | UG/L | 5 U | 5 U | 5 U | 10 U | 0.18 J | 5 U | 2.5 U | NA |
| Bromobenzene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Bromochloromethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Bromodichloromethane | 50 | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | 2.5 U | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 20 U | 20 U | NA | NA | 2 U | 20 U | 10 U | NA |
| Bromomethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Carbon Disulfide | 60 | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Carbon Tetrachloride | 5 | UG/L | 5 U | 5 U | 5 U | 10 U | 0.5 U | 5 U | 2.5 U | NA |
| Chlorobenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Chloroethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Chloroform | 7 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Chloromethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 580 | 810 | 750 | 1000 | 880 | 820 | 470 | NA |
| Cis-1,3-Dichloropropene | -- | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | 2.5 U | NA |
| Cymene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Dibromochloromethane | 50 | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | 2.5 U | NA |
| Dibromomethane | 5 | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Dichlorodifluoromethane | 5 | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Dichloroethylenes | 5 | UG/L | 580 | 810 | 750 | 1000 | 890 | 820 | 470 | NA |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Ethylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Hexachlorobutadiene | 0.5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| m,p-Xylene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Methane | -- | UG/L | NA | NA | NA | 110 | NA | 102 | 77.7 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 50 U | 50 U | 50 U | 100 U | 5 U | 50 U | 25 U | NA |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Methylene Chloride | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Naphthalene | 10 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| N-Butylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| N-Propylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Sec-Butylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Styrene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| T-Butylbenzene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |
| Tert-Butyl Methyl Ether | 10 | UG/L | 25 U | 25 U | 25 U | 50 U | 0.77 J | 25 U | 12 U | NA |
| Tetrachloroethylene (PCE) | 5 | UG/L | 22 | 36 | 20 | 19 | 31 | 27 | 16 | NA |
| Toluene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 2.5 U | 25 U | 12 U | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | NA | 2.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 25 U | 25 U | 25 U | 50 U | 5.2 | 25 U | 12 U | NA |
| Trans-1,3-Dichloropropene | -- | UG/L | 5 U | 5 U | NA | NA | 0.5 U | 5 U | 2.5 U | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 50 | 68 | 38 | 54 | 85 | 56 | 26 | NA |
| Trichlorofluoromethane | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |
| Vinyl Acetate | -- | UG/L | 50 U | 50 U | NA | NA | 5 U | 50 U | 25 U | NA |
| Vinyl Chloride | 2 | UG/L | 19 | 11 | 19 | 34 | 12 | 24 | 26 | NA |
| Xylenes | 5 | UG/L | 25 U | 25 U | NA | NA | 2.5 U | 25 U | 12 U | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: Sample Date: Normal or Field Duplicate: | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-9 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/03/2019 | 10/03/2019 | 04/06/2016 |
| | | | N | N | N | N | N | N | FD | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 3.8 U | 1.5 U | 15 U | 30 U | NA | NA | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.71 J | 0.63 J | 0.19 J | 5 U | 4.9 J | 4 J | 3.4 J | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 5 U | 2 U | 20 U | 40 U | NA | NA | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 5 U | 2 U | 20 U | 40 U | NA | NA | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1.2 U | 1.2 U | 0.5 U | 5 U | 10 U | 10 U | 10 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 2.5 U | 1 U | 10 U | 20 U | NA | NA | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 5 U | 2 U | 20 U | 40 U | NA | NA | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 620 U | 620 U | 250 U | 2500 U | 5000 U | 5000 U | 5000 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | 5 U | 2 U | 20 U | 40 U | NA | NA | 2 U |
| Acetone | 50 | UG/L | 12 U | 12 U | 5 U | 50 U | 100 U | 100 U | 100 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Benzene | 1 | UG/L | 1.2 U | 1.2 U | 0.5 U | 5 U | 10 U | 10 U | 10 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: Sample Date: Normal or Field Duplicate: | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-9 |
|---|------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/03/2019 | 10/03/2019 | 04/06/2016 |
| NYSDEC Ambient Water- Quality Guidance Values | | | N | N | N | N | N | N | FD | N |
| Parameter | Unit | | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 5 U | 2 U | 20 U | 40 U | NA | NA | 2 U |
| Bromomethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 1.2 U | 1.2 U | 0.5 U | 5 U | 10 U | 10 U | 10 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Chloroform | 7 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 350 | 340 | 140 | 880 | 2700 | 2800 | 2500 | 2.5 U |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |
| Cymene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Dichloroethylenes | 5 | UG/L | 350 J | 340 J | 140 J | 880 | 2700 | 2800 | 2500 | 2.5 U |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Ethylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| m,p-Xylene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Methane | -- | UG/L | 115 | 104 | 7.29 | NA | NA | NA | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 12 U | 12 U | 5 U | 50 U | 100 U | 100 U | 100 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Methylene Chloride | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Styrene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 1.1 J |
| Tetrachloroethylene (PCE) | 5 | UG/L | 12 | 2.3 | 4.2 | 9.4 | 56 | 61 | 57 | 0.5 U |
| Toluene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 25 U | 50 U | 50 U | 50 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | | Sample Designation: | | | | | | | |
|--|--|------|----------------------------|------------|------------|------------|------------|------------|------------|------------|
| | | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-9 |
| | | | Sample Date: | | | | | | | |
| | | | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/03/2019 | 10/03/2019 | 04/06/2016 |
| Parameter | | | Normal or Field Duplicate: | | | | | | | |
| | | | N | N | N | N | N | N | FD | N |
| | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.7 J | 2.8 J | 0.87 J | 25 U | 50 U | 50 U | 50 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 1.2 U | 0.5 U | 5 U | 10 U | NA | NA | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 21 | 5.3 | 6.8 | 18 | 97 | 90 | 90 | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | 12 U | 5 U | 50 U | 100 U | NA | NA | 5 U |
| Vinyl Chloride | 2 | UG/L | 34 | 77 | 1 | 4.6 J | 18 J | 22 | 25 | 1 U |
| Xylenes | 5 | UG/L | NA | 6.2 U | 2.5 U | 25 U | 50 U | NA | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 11/27/2017 | 04/06/2016 | 07/19/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | NA | NA | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | NA | NA | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | NA | NA | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | NA | NA | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | NA | NA | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | 2 U | NA | NA | 2 U | 2 U | 2 U | 2 U | 2 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 3.1 J | 3.7 J | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-10 | MW-10 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 11/27/2017 | 04/06/2016 | 07/19/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | NA | NA | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bromomethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 1.9 J | 2.5 U | 2.5 U | 2.5 U | 18 |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Cymene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Dibromomethane | 5 | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 1.9 J | 2.5 U | 2.5 U | 2.5 U | 18 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | 700 | NA | 1370 | 1470 | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 1.1 J | 1.2 J | 1.2 J | 1.3 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.48 J | 0.5 | 0.5 U | 0.59 |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-9 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 11/27/2017 | 04/06/2016 | 07/19/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | NA | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.55 |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | 5 U | NA | NA | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | 2 | UG/L | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 0.33 J | 11 |
| Xylenes | 5 | UG/L | 2.5 U | NA | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 08/21/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | 1.5 U | 1.5 U | 1.5 U | NA | 1.5 U | 6 U |
| 1,1-Dichloroethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,1-Dichloroethene | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.8 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | 2 U | 2 U | 2 U | NA | 2 U | 8 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | 2 U | 2 U | 2 U | NA | 2 U | 8 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | 1 U | 1 U | 1 U | NA | 1 U | 4 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | 2 U | 2 U | 2 U | NA | 2 U | 8 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 2500 U | 250 U | 250 U | 250 U | 250 U | NA | 250 U | 1000 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 2-Hexanone | 50 | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | 2 U | 2 U | 2 U | NA | 2 U | 8 U |
| Acetone | 50 | UG/L | 50 U | 5 U | 5 U | 5 U | 5 U | NA | 1.6 J | 20 U |
| Acrylonitrile | 5 | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Benzene | 1 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| Bromobenzene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Bromochloromethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 08/21/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | 2 U | 2 U | 2 U | NA | 2 U | 8 U |
| Bromomethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Carbon Tetrachloride | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| Chlorobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Chloroethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Chloroform | 7 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Chloromethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 630 | 0.83 J | 0.86 J | 46 | 2.4 J | NA | 14 | 500 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| Cymene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| Dibromomethane | 5 | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Dichloroethylenes | 5 | UG/L | 630 | 0.83 J | 0.86 J | 46 | 2.4 J | NA | 14 | 500 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Ethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| m,p-Xylene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Methane | -- | UG/L | NA | 456 | NA | 409 | 419 | NA | 1230 | 5020 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 50 U | 5 U | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Methylene Chloride | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Naphthalene | 10 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| N-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| N-Propylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Sec-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Styrene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| T-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 5 U | 0.5 U | 0.29 J | 1.6 | 0.93 | NA | 0.76 | 1 J |
| Toluene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 08/21/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | 2 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 2 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Trichloroethylene (TCE) | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 1.6 | 0.27 J | NA | 0.51 | 2.2 |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |
| Vinyl Acetate | -- | UG/L | NA | NA | 5 U | 5 U | 5 U | NA | 5 U | 20 U |
| Vinyl Chloride | 2 | UG/L | 130 | 2.9 | 2.6 | 24 | 3.3 | NA | 15 | 160 |
| Xylenes | 5 | UG/L | NA | NA | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 05/28/2020 | 05/28/2020 | 10/27/2020 | 01/26/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | 1.5 U | 1.5 U | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | 1 U | 1 U | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 5 U | 5 U | 4.9 J | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 05/28/2020 | 05/28/2020 | 10/27/2020 | 01/26/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 26 | 2.5 U | 1.3 J | 26 | 2.5 U | 2.5 U | 0.92 J | 0.76 J |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 26 | 2.5 U | 1.3 J | 26 | 2.5 U | 2.5 U | 0.92 J | 0.76 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | 5690 | NA | NA | 1320 | NA | NA | NA | 191 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 16 | 0.36 J | 0.44 J | 1.2 | 0.41 J | 0.28 J | 0.18 J | 0.22 J |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 05/28/2020 | 05/28/2020 | 10/27/2020 | 01/26/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 4.9 | 0.5 U | 0.21 J | 0.5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 5 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 10 | 1.9 | 3.5 | 13 | 0.72 J | 1.2 | 0.5 J | 0.61 J |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-16R |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 09/28/2022 | 09/28/2022 | 12/02/2022 | 07/20/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | 6 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 5.4 J |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.43 J | 0.33 J | 0.37 J | 0.42 J | 1 U | 0.5 U | 0.64 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 8 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | NA | NA | 8 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 1 U | 0.5 U | 1 U | 1 U | 1 U | 0.5 U | 1 J |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | 4 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 8 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 500 U | 250 U | 500 U | 500 U | 500 U | 250 U | 1000 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 8 U |
| Acetone | 50 | UG/L | 5 U | 10 U | 5 U | 10 U | 10 U | 10 U | 5 U | 20 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Benzene | 1 | UG/L | 0.5 U | 1 U | 0.5 U | 1 U | 1 U | 1 U | 0.5 U | 2 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-16R |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 09/28/2022 | 09/28/2022 | 12/02/2022 | 07/20/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 8 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 1 U | 0.5 U | 1 U | 1 U | 1 U | 0.5 U | 2 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Chloroform | 7 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 2.5 U | 220 | 170 | 230 | 290 | 280 | 6.9 | 210 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Dichloroethylenes | 5 | UG/L | 2.5 U | 220 | 170 | 230 | 290 | 280 | 6.9 | 210 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Methane | -- | UG/L | 408 | 1690 | NA | 80.7 | 489 | 502 | 3390 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 10 U | 5 U | 10 U | 10 U | 10 U | 5 U | 20 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 18 | 18 | 30 | 9.7 | 9.8 | 2 | 2 U |
| Toluene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-16R |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 09/28/2022 | 09/28/2022 | 12/02/2022 | 07/20/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 2 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 5.9 | 8.7 | 7.8 | 4.4 | 4.3 | 1.9 | 2 U |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Vinyl Chloride | 2 | UG/L | 1.5 | 100 | 78 | 51 | 89 | 86 | 1 | 350 |
| Xylenes | 5 | UG/L | 2.5 U | 5 U | 2.5 U | 5 U | 5 U | 5 U | 2.5 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | 0.5 U | 1 U | 1 U | NA | NA | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | 1.5 U | 3 U | 3 U | NA | NA | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 5.1 J | 6 J | 6.3 | 6.1 | 5.5 | NA | 4.8 J | 9 |
| 1,1-Dichloroethene | 5 | UG/L | 0.64 J | 0.6 J | 0.63 | 0.67 J | 0.71 J | NA | 0.71 J | 0.26 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | 2 U | 4 U | 4 U | NA | NA | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | 2 U | 4 U | 4 U | NA | NA | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1 J | 1.1 J | 1.6 | 1.4 | 1.1 | NA | 1.1 | 1.4 |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | 1 U | 2 U | 2 U | NA | NA | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | 2 U | 4 U | 4 U | NA | NA | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 620 U | 620 U | 250 U | 500 U | 500 U | NA | 500 U | 100 J |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | 2 U | 4 U | 4 U | NA | NA | 2 U |
| Acetone | 50 | UG/L | 12 U | 12 U | 5 U | 10 U | 10 U | NA | 10 U | 2.2 J |
| Acrylonitrile | 5 | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Benzene | 1 | UG/L | 1.2 U | 1.2 U | 0.5 U | 1 U | 1 U | NA | 1 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | 0.5 U | 1 U | 1 U | NA | NA | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | | Sample Designation: | | | | | | | |
|---|--|------|----------------------------|------------|------------|------------|------------|------------|------------|------------|
| | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R |
| | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 10/09/2018 |
| | | | Sample Date: | | | | | | | |
| | | | Normal or Field Duplicate: | | | | | | | |
| | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | 2 U | 4 U | 4 U | NA | NA | 2 U |
| Bromomethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 1.2 U | 1.2 U | 0.5 U | 1 U | 1 U | NA | 1 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Chloroform | 7 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 220 | 170 | 180 | 160 | 150 | NA | 170 | 71 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | 0.5 U | 1 U | 1 U | NA | NA | 0.5 U |
| Cymene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | 0.5 U | 1 U | 1 U | NA | NA | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Dichloroethylenes | 5 | UG/L | 220 | 170 | 180 J | 160 J | 150 | NA | 170 J | 73 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | 3.2 | 1.9 J | 2 J | NA | NA | 3 |
| Ethylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| m,p-Xylene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Methane | -- | UG/L | NA | 198 | NA | 237 | 225 | NA | 228 | 175 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 12 U | 12 U | 5 U | 10 U | 10 U | NA | 10 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Methylene Chloride | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 6.2 U | 6.2 U | 0.7 J | 5 U | 5 U | NA | 5 U | 0.85 J |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1.2 U | 1.2 U | 0.5 U | 1 U | 1 U | NA | 1 U | 0.5 U |
| Toluene | 5 | UG/L | 6.2 U | 6.2 U | 2.5 U | 5 U | 5 U | NA | 5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | 0.5 U | 1 U | NA | 1 U | NA | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 6.2 U | 6.2 U | 1.3 J | 1.5 J | 5 U | NA | 1.6 J | 1.6 J |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | 0.5 U | 1 U | 1 U | NA | NA | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 1.2 U | 1.2 U | 0.5 U | 1 U | 1 U | NA | 1 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | NA | 5 U | 10 U | 10 U | NA | NA | 5 U |
| Vinyl Chloride | 2 | UG/L | 310 | 410 | 370 | 250 | 300 | NA | 230 | 430 |
| Xylenes | 5 | UG/L | NA | NA | 2.5 U | 5 U | 5 U | NA | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-18 | MW-18 | MW-18 | MW-18 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 15 U | 1.5 U | 1.5 U | NA | 30 U | 1.5 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 11 J | 10 | 9.8 | 9.8 | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,1-Dichloroethene | 5 | UG/L | 5 U | 0.32 J | 0.55 | 0.68 | 10 U | 0.5 U | 0.5 U | 1 U |
| 1,1-Dichloropropene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 20 U | 2 U | 2 U | NA | 40 U | 2 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 20 U | 2 U | 2 U | NA | 40 U | 2 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 5 U | 1.8 | 1.6 | 1.9 | 10 U | 0.5 U | 0.5 U | 1 U |
| 1,2-Dichloropropane | 1 | UG/L | 10 U | 1 U | 1 U | NA | 20 U | 1 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,3-Dichloropropane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 20 U | 2 U | 2 U | NA | 40 U | 2 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 2500 U | 250 U | 82 J | 250 U | 5000 U | 250 U | 250 U | 500 U |
| 2,2-Dichloropropane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 2-Hexanone | 50 | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 20 U | 2 U | 2 U | NA | 40 U | 2 U | NA | NA |
| Acetone | 50 | UG/L | 50 U | 5 U | 1.7 J | 5 U | 100 U | 89 | 66 | 6.2 J |
| Acrylonitrile | 5 | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Benzene | 1 | UG/L | 5 U | 0.5 U | 0.5 U | 0.18 J | 10 | 0.67 | 0.39 J | 2 |
| Bromobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Bromochloromethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-18 | MW-18 | MW-18 | MW-18 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 20 U | 2 U | 2 U | NA | 40 U | 2 U | NA | NA |
| Bromomethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 1.7 J | NA | NA |
| Carbon Disulfide | 60 | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 10 U | 0.5 U | 0.5 U | 1 U |
| Chlorobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Chloroethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Chloroform | 7 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Chloromethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 1 J | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 37 | 67 | 86 | 100 | 980 | 60 | 33 | 160 |
| Cis-1,3-Dichloropropene | -- | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |
| Cymene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |
| Dibromomethane | 5 | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 37 | 69 J | 88 J | 100 J | 980 | 63 | 36 | 160 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 25 U | 3.5 | 3.3 | NA | 50 U | 2.5 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Methane | -- | UG/L | 135 | NA | NA | 181 | NA | NA | NA | 138 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 50 U | 5 U | 5 U | 5 U | 100 U | 5.5 | 5 U | 10 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Naphthalene | 10 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| N-Propylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Sec-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Styrene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 25 U | 0.73 J | 0.91 J | 0.78 J | 50 U | 2.5 U | 2.5 U | 5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 10 U | 0.5 U | 0.5 U | 1 U |
| Toluene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 50 U | 2.5 U | 2.5 U | 5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-16R | MW-16R | MW-16R | MW-16R | MW-18 | MW-18 | MW-18 | MW-18 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/06/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 25 U | 1.9 J | 2.3 J | 2.1 J | 50 U | 2.9 | 3.4 | 4.8 J |
| Trans-1,3-Dichloropropene | -- | UG/L | 5 U | 0.5 U | 0.5 U | NA | 10 U | 0.5 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 10 U | 0.32 J | 0.26 J | 1 U |
| Trichlorofluoromethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |
| Vinyl Acetate | -- | UG/L | 50 U | 5 U | 5 U | NA | 100 U | 5 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 520 | 510 | 400 | 390 | 190 | 7.7 | 1.1 | 120 |
| Xylenes | 5 | UG/L | 25 U | 2.5 U | 2.5 U | NA | 50 U | 2.5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 2 U | 0.5 U | 1 U | NA | NA | NA | 1 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 6 U | 1.5 U | 3 U | NA | NA | NA | 3 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.82 J | 0.3 J | 1 U | NA | 1.2 U | 1 U | 0.34 J | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 8 U | 2 U | 4 U | NA | NA | NA | 4 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 8 U | 2 U | 4 U | NA | NA | NA | 4 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 2 U | 0.14 J | 1 U | NA | 1.2 U | 1 U | 1 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 4 U | 1 U | 2 U | NA | NA | NA | 2 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 8 U | 2 U | 4 U | NA | NA | NA | 4 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 1000 U | 250 U | 500 U | NA | 620 U | 500 U | 500 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | 8 U | 2 U | 4 U | NA | NA | NA | 4 U | 2 U |
| Acetone | 50 | UG/L | 20 U | 5 U | 10 U | NA | 12 U | 10 U | 10 U | 5 U |
| Acrylonitrile | 5 | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Benzene | 1 | UG/L | 2.8 | 1.8 | 2.9 | NA | 2.7 | 2.3 | 1.2 | 0.5 U |
| Bromobenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | 2 U | 0.5 U | 1 U | NA | NA | NA | 1 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 8 U | 2 U | 4 U | NA | NA | NA | 4 U | 2 U |
| Bromomethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 2 U | 0.5 U | 1 U | NA | 1.2 U | 1 U | 1 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 25 | 21 | 28 | NA | NA | NA | 1.4 J | 2.5 U |
| Chloroform | 7 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 440 | 160 | 110 | NA | 160 | 150 | 220 | 9.3 |
| Cis-1,3-Dichloropropene | -- | UG/L | 2 U | 0.5 U | 1 U | NA | NA | NA | 1 U | 0.5 U |
| Cymene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | 2 U | 0.5 U | 1 U | NA | NA | NA | 1 U | 0.5 U |
| Dibromomethane | 5 | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Dichloroethylenes | 5 | UG/L | 440 J | 160 J | 110 J | NA | 160 J | 150 J | 220 J | 9.3 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Methane | -- | UG/L | NA | 188 | 226 | NA | 268 | 226 | 137 | 23.4 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 20 U | 5 U | 10 U | NA | 12 U | 10 U | 10 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Methylene Chloride | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Styrene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1.2 J | 1 | 0.5 J | NA | 1.2 U | 1 U | 1 U | 0.5 U |
| Toluene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | 6.2 U | 5 U | 5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/02/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 2 U | 0.5 U | NA | 1 U | NA | NA | 1 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 3.3 J | 2.3 J | 1.9 J | NA | 2.1 J | 1.8 J | 3.9 J | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 2 U | 0.5 U | 1 U | NA | NA | NA | 1 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 2 U | 0.28 J | 1 U | NA | 1.2 U | 1 U | 1 U | 0.74 |
| Trichlorofluoromethane | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | 20 U | 5 U | 10 U | NA | NA | NA | 10 U | 5 U |
| Vinyl Chloride | 2 | UG/L | 200 | 140 | 290 | NA | 220 | 200 | 63 | 2 |
| Xylenes | 5 | UG/L | 10 U | 2.5 U | 5 U | NA | NA | NA | 5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/04/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | FD | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | 1.5 U | 1.5 U | NA | 1.5 U | 1.5 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | 2 U | 2 U | NA | 2 U | 2 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | 2 U | 2 U | NA | 2 U | 2 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | 1 U | 1 U | NA | 1 U | 1 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | 2 U | 2 U | NA | 2 U | 2 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 2-Hexanone | 50 | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 2 U | 2 U | 2 U | NA | 2 U | 2 U | NA | NA |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 2.2 J | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Benzene | 1 | UG/L | 1.9 | 1.8 | 2.6 | 2.8 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Bromochloromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-19 | MW-19 | MW-19 | MW-19 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/04/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | FD | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | 2 U | 2 U | NA | 2 U | 2 U | NA | NA |
| Bromomethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Carbon Disulfide | 60 | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 10 | 9.6 | 5.9 | NA | 2.5 U | 2.5 U | NA | NA |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 44 | 44 | 47 | 53 | 6.2 | 14 | 2.4 J | 26 |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |
| Cymene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |
| Dibromomethane | 5 | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 46 J | 46 J | 49 J | 54 J | 6.2 | 14 | 2.4 J | 26 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | 172 | NA | NA | NA | 527 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.24 J |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/04/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | FD | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 1.6 J | 1.6 J | 1.7 J | 1.4 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | NA | 0.5 U | 0.5 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.27 J | 0.27 J | 0.22 J | 0.5 U | 0.5 U | 0.45 J | 0.5 U | 0.53 |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |
| Vinyl Acetate | -- | UG/L | 5 U | 5 U | 5 U | NA | 5 U | 5 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 130 | 120 | 150 | 110 | 2.3 | 6.9 | 1.1 | 7.6 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | 1 U | 0.5 U | NA | NA | 5 U | 2 U | 2 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | 3 U | 1.5 U | NA | NA | 15 U | 6 U | 6 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 1 U | 0.21 J | NA | 1 U | 2.2 J | 2 U | 2 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | 4 U | 2 U | NA | NA | 20 U | 8 U | 8 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | 4 U | 2 U | NA | NA | 20 U | 8 U | 8 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 1 U | 0.5 U | NA | 1 U | 5 U | 2 U | 2 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | 2 U | 1 U | NA | NA | 10 U | 4 U | 4 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | 4 U | 2 U | NA | NA | 20 U | 8 U | 8 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 500 U | 250 U | NA | 500 U | 2500 U | 1000 U | 1000 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 2-Hexanone | 50 | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| 4-Ethyltoluene | -- | UG/L | 2 U | 4 U | 2 U | NA | NA | 20 U | 8 U | 8 U |
| Acetone | 50 | UG/L | 5 U | 10 U | 5 U | NA | 3 J | 50 U | 20 U | 20 U |
| Acrylonitrile | 5 | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Benzene | 1 | UG/L | 0.5 U | 1 U | 0.27 J | NA | 0.52 J | 5 U | 0.86 J | 2 U |
| Bromobenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Bromochloromethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Bromodichloromethane | 50 | UG/L | 0.5 U | 1 U | 0.5 U | NA | NA | 5 U | 2 U | 2 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | 4 U | 2 U | NA | NA | 20 U | 8 U | 8 U |
| Bromomethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Carbon Disulfide | 60 | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 1 U | 0.5 U | NA | 1 U | 5 U | 2 U | 2 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Chloroethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Chloroform | 7 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Chloromethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 5.8 | 140 | 130 | NA | 180 | 1300 | 570 | 410 |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | 1 U | 0.5 U | NA | NA | 5 U | 2 U | 2 U |
| Cymene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Dibromochloromethane | 50 | UG/L | 0.5 U | 1 U | 0.5 U | NA | NA | 5 U | 2 U | 2 U |
| Dibromomethane | 5 | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Dichloroethylenes | 5 | UG/L | 5.8 | 140 | 130 | NA | 180 | 1300 | 570 | 410 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Methane | -- | UG/L | NA | 315 | 869 | NA | 1190 | 452 | 1160 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 10 U | 5 U | NA | 10 U | 50 U | 20 U | 20 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Naphthalene | 10 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Styrene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.43 J | 0.23 J | NA | 1 U | 4.5 J | 2 U | 1.4 J |
| Toluene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | 1 U | NA | 0.5 U | NA | 5 U | 2 U | 2 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | 5 U | 25 U | 10 U | 10 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | 1 U | 0.5 U | NA | NA | 5 U | 2 U | 2 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 1.8 | 0.99 | NA | 1.8 | 8.6 | 2 U | 2.3 |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |
| Vinyl Acetate | -- | UG/L | 5 U | 10 U | 5 U | NA | NA | 50 U | 20 U | 20 U |
| Vinyl Chloride | 2 | UG/L | 2.8 | 23 | 25 | NA | 37 | 230 | 350 | 70 |
| Xylenes | 5 | UG/L | 2.5 U | 5 U | 2.5 U | NA | NA | 25 U | 10 U | 10 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/08/2019 | 10/03/2019 | 05/29/2020 | 10/27/2020 | 01/26/2021 | 01/26/2021 | 04/28/2021 | 10/27/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 3 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 1 U | 1 U | 0.5 U | 0.17 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1 U | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 2 U | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 500 U | 500 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 6.2 J | 10 U | 2.2 J | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 1 U | 1 U | 0.8 | 0.5 U | 0.32 J | 0.3 J | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/08/2019 | 10/03/2019 | 05/29/2020 | 10/27/2020 | 01/26/2021 | 01/26/2021 | 04/28/2021 | 10/27/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 1 U | 1 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.4 J |
| Chloromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 160 | 280 | 140 | 130 | 39 | 33 | 51 | 24 |
| Cis-1,3-Dichloropropene | -- | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 160 | 280 | 140 | 130 | 39 | 33 | 51 | 24 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | NA | 631 | 602 | 341 | 2 U |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 10 U | 10 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.38 J | 1.4 | 0.33 J | 0.42 J | 0.28 J | 0.25 J | 0.56 | 1.4 |
| Toluene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/08/2019 | 10/03/2019 | 05/29/2020 | 10/27/2020 | 01/26/2021 | 01/26/2021 | 04/28/2021 | 10/27/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 5 U | 5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.81 J | 1.7 | 0.72 | 0.86 | 0.5 U | 0.5 U | 0.82 | 1 |
| Trichlorofluoromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 20 | 4 | 14 | 0.68 J | 13 | 12 | 3.6 | 1 U |
| Xylenes | 5 | UG/L | 5 U | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 12/02/2022 | 04/06/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | 380 U | 15 U | NA | NA | 7.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 120 U | 5 U | 5 U | 10 U | 2.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | 500 U | 20 U | NA | NA | 10 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | 500 U | 20 U | NA | NA | 10 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 120 U | 5 U | 5 U | 10 U | 2.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | 250 U | 10 U | NA | NA | 5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | 500 U | 20 U | NA | NA | 10 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 62000 U | 2500 U | 2500 U | 5000 U | 1200 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | 500 U | 20 U | NA | NA | 10 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 1200 U | 50 U | 50 U | 100 U | 25 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 120 U | 5 U | 5 U | 10 U | 2.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 12/02/2022 | 04/06/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | 500 U | 20 U | NA | NA | 10 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 120 U | 5 U | 5 U | 10 U | 2.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 7.8 J |
| Chloroform | 7 | UG/L | 1 J | 5.9 | 5.7 | 620 U | 25 U | 25 U | 50 U | 12 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 5.9 | 3.9 | 4.3 | 9300 | 330 | 1000 | 1600 | 750 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |
| Cymene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |
| Dibromomethane | 5 | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Dichloroethylenes | 5 | UG/L | 5.9 | 3.9 | 4.3 | 9300 | 330 | 1000 | 1600 | 750 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Methane | -- | UG/L | 2 U | 2 U | 2 U | NA | NA | NA | 3070 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 1200 U | 50 U | 50 U | 100 U | 25 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Styrene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 4.6 | 2.6 | 2.9 | 120 U | 5 U | 5 U | 10 U | 2.7 |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 12/02/2022 | 04/06/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | 25 U | 50 U | 12 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 120 U | 5 U | NA | NA | 2.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.95 | 0.67 | 0.57 | 120 U | 5 U | 5 U | 10 U | 1.2 J |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | 620 U | 25 U | NA | NA | 12 U |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | 1200 U | 50 U | NA | NA | 25 U |
| Vinyl Chloride | 2 | UG/L | 1 U | 1 U | 1 U | 1200 | 80 | 660 | 760 | 410 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 620 U | 25 U | NA | NA | 12 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 6 U | 1.5 U | NA | 1.5 U | NA | 1.5 U | NA | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 1.4 J | 0.32 J | NA | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 8 U | 2 U | NA | 2 U | NA | 2 U | NA | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 8 U | 2 U | NA | 2 U | NA | 2 U | NA | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 4 U | 1 U | NA | 1 U | NA | 1 U | NA | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 8 U | 2 U | NA | 2 U | NA | 2 U | NA | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 1000 U | 250 U | NA | 250 U | NA | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 2-Hexanone | 50 | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| 4-Chlorotoluene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | 8 U | 2 U | NA | 2 U | NA | 2 U | NA | 2 U |
| Acetone | 50 | UG/L | 20 U | 3.8 J | NA | 5 U | NA | 5 U | 5 U | 5 |
| Acrylonitrile | 5 | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Benzene | 1 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Bromochloromethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Bromodichloromethane | 50 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 8 U | 2 U | NA | 2 U | NA | 2 U | NA | 2 U |
| Bromomethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Carbon Disulfide | 60 | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 6.6 J | 0.74 J | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Chloroform | 7 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 470 | 47 | NA | 27 | NA | 15 | 8.5 | 2.4 J |
| Cis-1,3-Dichloropropene | -- | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Cymene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Dibromochloromethane | 50 | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Dibromomethane | 5 | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Dichloroethylenes | 5 | UG/L | 470 | 48 J | NA | 27 | NA | 15 | 8.5 | 2.4 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Ethylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| m,p-Xylene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | 3220 | 3360 | NA | NA | NA | NA | 3320 | 1480 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 20 U | 5 U | NA | 3 J | NA | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Methylene Chloride | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 2.9 | 0.22 J | NA | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| Toluene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 2 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | NA | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 10 U | 0.76 J | NA | 2.5 U | NA | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 7.8 | 1 | NA | 0.31 J | NA | 0.2 J | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Vinyl Acetate | -- | UG/L | 20 U | 5 U | NA | 5 U | NA | 5 U | NA | 5 U |
| Vinyl Chloride | 2 | UG/L | 370 | 76 | NA | 60 | NA | 41 | 22 | 6.6 |
| Xylenes | 5 | UG/L | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: Sample Date: Normal or Field Duplicate: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 01/10/2019 | 04/04/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 30 U | 7.5 U | 7.5 U | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,1-Dichloroethene | 5 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| 1,1-Dichloropropene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 40 U | 10 U | 10 U | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 40 U | 10 U | 10 U | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| 1,2-Dichloropropane | 1 | UG/L | 20 U | 5 U | 5 U | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,3-Dichloropropane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 40 U | 10 U | 10 U | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 5000 U | 1200 U | 1200 U | 250 U | 250 U | 250 U | 250 U | 500 U |
| 2,2-Dichloropropane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 40 U | 10 U | 10 U | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 100 U | 25 U | 25 U | 5 U | 5 U | 5 U | 4 J | 10 U |
| Acrylonitrile | 5 | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| Bromobenzene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 40 U | 10 U | 10 U | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| Chlorobenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Chloroethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Chloromethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 1800 | 300 | 180 | 3.8 | 110 | 2.5 U | 2 J | 240 |
| Cis-1,3-Dichloropropene | -- | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 1800 | 300 | 180 | 3.8 | 110 | 2.5 U | 2 J | 240 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Methane | -- | UG/L | 1800 | NA | NA | 3650 | NA | NA | 9460 | 5950 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 100 U | 25 U | 25 U | 5 U | 5 U | 5 U | 120 | 10 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Naphthalene | 10 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| N-Propylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Sec-Butylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Styrene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| Toluene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/10/2019 | 04/04/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 50 U | 12 U | 12 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 10 U | 2.5 U | 2.5 U | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 10 U | 2.5 U | 2.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 1 U |
| Trichlorofluoromethane | 5 | UG/L | 50 U | 12 U | 12 U | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 100 U | 25 U | 25 U | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 1300 | 450 | 550 | 26 | 560 | 18 | 23 | 910 |
| Xylenes | 5 | UG/L | 50 U | 12 U | 12 U | NA | 2.5 U | 2.5 U | 2.5 U | 5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | | Sample Designation: | | | | | | | |
|--|--|------|---------------------|------------|------------|------------|------------|------------|------------|------------|
| | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-21 |
| | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 |
| Normal or Field Duplicate: | | | FD | N | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | 15 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | 10 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 2500 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 50 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-21 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 |
| Normal or Field Duplicate: | | | FD | N | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 20 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 230 | 84 | 61 | 41 | 44 | 100 | 14 | 540 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Dichloroethylenes | 5 | UG/L | 230 | 84 | 61 | 41 | 44 | 100 | 14 | 540 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Methane | -- | UG/L | 6420 | 8300 | NA | 478 | 571 | 1630 | 4660 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 11 | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 50 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 5 U |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 |
| Normal or Field Duplicate: | | | FD | N | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 7 |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | 25 U |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 50 U |
| Vinyl Chloride | 2 | UG/L | 880 | 200 | 50 | 430 | 380 | 560 | 110 | 63 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 25 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 | 03/29/2018 | 07/02/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 2 U | NA | NA | 2 U | 1.2 U | 1 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 6 U | NA | NA | 6 U | 3.8 U | 3 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 2 U | 2.5 U | 2.5 U | 0.73 J | 0.6 J | 1 U | NA | 0.26 J |
| 1,1-Dichloropropene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 8 U | NA | NA | 8 U | 5 U | 4 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 8 U | NA | NA | 8 U | 5 U | 4 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 2 U | 2.5 U | 2.5 U | 2 U | 1.2 U | 1 U | NA | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 4 U | NA | NA | 4 U | 2.5 U | 2 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 8 U | NA | NA | 8 U | 5 U | 4 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 1000 U | 1200 U | 1200 U | 1000 U | 620 U | 500 U | NA | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 2-Hexanone | 50 | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 8 U | NA | NA | 8 U | 5 U | 4 U | NA | NA |
| Acetone | 50 | UG/L | 20 U | 25 U | 25 U | 20 U | 12 U | 10 U | NA | 1.9 J |
| Acrylonitrile | 5 | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Benzene | 1 | UG/L | 2 U | 2.5 U | 2.5 U | 2 U | 1.2 U | 1 U | NA | 0.5 U |
| Bromobenzene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Bromochloromethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | 2 U | NA | NA | 2 U | 1.2 U | 1 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 | 03/29/2018 | 07/02/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 8 U | NA | NA | 8 U | 5 U | 4 U | NA | NA |
| Bromomethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Carbon Disulfide | 60 | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 2 U | 2.5 U | 2.5 U | 2 U | 1.2 U | 1 U | NA | 0.5 U |
| Chlorobenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Chloroethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Chloroform | 7 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Chloromethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 300 | 300 | 380 | 360 | 240 | 210 | NA | 130 |
| Cis-1,3-Dichloropropene | -- | UG/L | 2 U | NA | NA | 2 U | 1.2 U | 1 U | NA | NA |
| Cymene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | 2 U | NA | NA | 2 U | 1.2 U | 1 U | NA | NA |
| Dibromomethane | 5 | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 300 | 300 | 380 | 360 | 240 | 210 | NA | 130 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Methane | -- | UG/L | NA | NA | 1660 | NA | 742 | 569 | NA | 845 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 20 U | 25 U | 25 U | 20 U | 12 U | 10 U | NA | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Naphthalene | 10 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Styrene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1.7 J | 2.1 J | 4.8 | 1.9 J | 1.4 | 0.5 J | NA | 0.28 J |
| Toluene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 | 03/29/2018 | 07/02/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 2 U | NA | NA | 2 U | 1.2 U | NA | 1 U | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 10 U | 12 U | 12 U | 10 U | 6.2 U | 5 U | NA | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 2 U | NA | NA | 2 U | 1.2 U | 1 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 4.8 | 5.2 | 5.2 | 2 | 2 | 0.7 J | NA | 0.29 J |
| Trichlorofluoromethane | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |
| Vinyl Acetate | -- | UG/L | 20 U | NA | NA | 20 U | 12 U | 10 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 20 | 58 | 100 | 32 | 29 | 75 | NA | 58 |
| Xylenes | 5 | UG/L | 10 U | NA | NA | 10 U | 6.2 U | 5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 | 07/08/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | 6 U | 15 U | 1.5 U | 1.5 U | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 2 U | 3.3 J | 0.3 J | 0.29 J | 0.5 U | 0.35 J | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | 8 U | 20 U | 2 U | 2 U | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | 8 U | 20 U | 2 U | 2 U | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | 4 U | 10 U | 1 U | 1 U | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | 8 U | 20 U | 2 U | 2 U | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 1000 U | 2500 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 2 U | 8 U | 20 U | 2 U | 2 U | NA | NA | NA |
| Acetone | 50 | UG/L | 2 J | 20 U | 50 U | 5 U | 3.2 J | 5 U | 2.7 J | 5 U |
| Acrylonitrile | 5 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Benzene | 1 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 | 07/08/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | 8 U | 20 U | 2 U | 2 U | NA | NA | NA |
| Bromomethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 2.5 U | 3.3 J | 10 J | 2.5 U | 2.5 U | NA | NA | NA |
| Chloroform | 7 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 27 | 150 | 1600 | 140 | 150 | 43 | 180 | 1.4 J |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |
| Cymene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 27 | 150 | 1600 | 140 | 150 | 43 | 180 | 1.4 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | 2980 | 733 | NA | NA | NA | NA | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 2.5 U | 10 U | 25 U | 1.6 J | 2.5 U | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.28 J | 1.2 J | 5 U | 0.59 | 0.61 | 0.54 | 0.65 | 0.3 J |
| Toluene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | | Sample Designation: | | | | | | | |
|--|--|------|----------------------------|------------|------------|------------|------------|------------|------------|------------|
| | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
| | | | Sample Date: | | | | | | | |
| | | | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 | 07/08/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 |
| Parameter | | | Normal or Field Duplicate: | | | | | | | |
| | | | N | N | N | N | FD | N | N | N |
| | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | 2 U | 5 U | 0.5 U | 0.5 U | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.37 J | 1.2 J | 1.9 J | 0.55 | 0.57 | 0.47 J | 0.81 | 0.24 J |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 5 U | 20 U | 50 U | 5 U | 5 U | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 6.9 | 730 | 1000 | 90 | 94 | 20 | 92 | 0.22 J |
| Xylenes | 5 | UG/L | 2.5 U | 10 U | 25 U | 2.5 U | 2.5 U | NA | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/26/2021 | 04/28/2021 | 10/27/2021 | 10/27/2021 | 01/26/2022 | 01/26/2022 | 04/29/2022 | 09/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | FD | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 1.1 | 1 | 0.57 | 0.58 | 0.5 U | 0.22 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/26/2021 | 04/28/2021 | 10/27/2021 | 10/27/2021 | 01/26/2022 | 01/26/2022 | 04/29/2022 | 09/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | FD | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 0.71 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 4.3 | 6.6 | 74 | 76 | 140 | 140 | 20 | 31 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 4.3 | 6.6 | 75 J | 77 J | 140 | 140 | 20 | 31 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | 44 | 274 | 1180 | 1210 | NA | NA | 350 | 704 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.33 J | 0.42 J | 0.8 | 0.97 | 0.5 U | 0.19 J | 0.5 U | 0.35 J |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/26/2021 | 04/28/2021 | 10/27/2021 | 10/27/2021 | 01/26/2022 | 01/26/2022 | 04/29/2022 | 09/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | FD | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 0.82 J | 0.82 J | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.22 J | 0.26 J | 1.4 | 1.5 | 0.36 J | 0.42 J | 0.31 J | 0.3 J |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 0.56 J | 2.1 | 5.2 | 5.7 | 18 | 19 | 2.1 | 10 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 60 U | 15 U | NA | NA | 3.8 U | 3.8 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 20 U | 5 U | 10 U | 0.5 U | 1.2 U | 2.8 | 0.22 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 80 U | 20 U | NA | NA | 5 U | 5 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 80 U | 20 U | NA | NA | 5 U | 5 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 20 U | 5 U | 10 U | 0.5 U | 1.2 U | 1.2 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 40 U | 10 U | NA | NA | 2.5 U | 2.5 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 80 U | 20 U | NA | NA | 5 U | 5 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 10000 U | 2500 U | 8200 | 250 U | 620 U | 620 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | 80 U | 20 U | NA | NA | 5 U | 5 U | 2 U |
| Acetone | 50 | UG/L | 5 U | 200 U | 50 U | 100 U | 5 U | 12 U | 12 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Benzene | 1 | UG/L | 0.5 U | 20 U | 5 U | 10 U | 0.5 U | 1.2 U | 1.2 U | 0.31 J |
| Bromobenzene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 80 U | 20 U | NA | NA | 5 U | 5 U | 2 U |
| Bromomethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 20 U | 5 U | 10 U | 0.5 U | 1.2 U | 1.2 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Chloroform | 7 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 5.1 | 1500 | 500 | 1000 | 22 | 290 | 1800 | 140 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | 0.5 U |
| Cymene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Dichloroethylenes | 5 | UG/L | 5.1 | 1500 | 500 | 1000 | 22 | 290 | 1800 | 140 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Methane | -- | UG/L | 464 | NA | NA | NA | 2830 | NA | 790 | 1760 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 200 U | 50 U | 100 U | 5 U | 12 U | 12 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Styrene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.47 J | 25 | 4.9 J | 4.5 J | 0.24 J | 2.4 | 15 | 1.5 |
| Toluene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|--|--|------|------------|-------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/22/2017 | 03/29/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 100 U | 25 U | 50 U | 2.5 U | 6.2 U | 6.2 | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 20 U | 5 U | NA | NA | 1.2 U | 1.2 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.47 J | 44 | 9.8 | 14 | 0.58 | 5.1 | 39 | 2.8 |
| Trichlorofluoromethane | 5 | UG/L | NA | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | 200 U | 50 U | NA | NA | 12 U | 12 U | 5 U |
| Vinyl Chloride | 2 | UG/L | 0.6 J | 21 J | 59 | 110 | 3.2 | 18 | 210 | 15 |
| Xylenes | 5 | UG/L | 2.5 U | 100 U | 25 U | NA | NA | 6.2 U | 6.2 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 03/29/2018 | 07/03/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | FD | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 0.5 U | NA | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 1.5 U | NA | NA | 1.5 U | 1.5 U | 6 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | NA | 0.29 J | NA | 10 U | 0.5 U | 0.5 U | 2 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 2 U | NA | NA | 2 U | 2 U | 8 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 2 U | NA | NA | 2 U | 2 U | 8 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | NA | 0.5 U | NA | 10 U | 0.5 U | 0.5 U | 2 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 1 U | NA | NA | 1 U | 1 U | 4 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 2 U | NA | NA | 2 U | 2 U | 8 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | NA | 250 U | NA | 5000 U | 250 U | 250 U | 1000 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | 2 U | NA | NA | 2 U | 2 U | 8 U | 2 U |
| Acetone | 50 | UG/L | NA | 5 U | NA | 100 U | 2.3 J | 5 U | 20 U | 4.3 J |
| Acrylonitrile | 5 | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Benzene | 1 | UG/L | NA | 0.3 J | NA | 10 U | 0.22 J | 0.9 | 0.75 J | 0.48 J |
| Bromobenzene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | 0.5 U | NA | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 03/29/2018 | 07/03/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | FD | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 2 U | NA | NA | 2 U | 2 U | 8 U | 2 U |
| Bromomethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | NA | 0.5 U | NA | 10 U | 0.5 U | 0.5 U | 2 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Chloroform | 7 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | NA | 200 | NA | 1800 | 42 | 100 | 450 | 4.6 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | NA | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |
| Cymene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | 0.5 U | NA | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Dichloroethylenes | 5 | UG/L | NA | 200 J | NA | 1800 | 42 | 100 | 450 | 4.6 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 2.5 U | NA | NA | 0.78 J | 2.5 U | 10 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | 1160 | 1300 | 2670 | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | NA | 5 U | NA | 100 U | 5 U | 5 U | 20 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Methylene Chloride | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 0.74 J |
| N-Butylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Styrene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | NA | 2.1 | NA | 9.6 J | 0.5 U | 0.5 U | 2.7 | 0.18 J |
| Toluene | 5 | UG/L | NA | 2.5 U | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 03/29/2018 | 07/03/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | FD | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | NA | 0.72 J | NA | 50 U | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | NA | NA | 0.5 U | 0.5 U | 2 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | NA | 3.6 | NA | 22 | 0.5 U | 0.5 U | 5.2 | 0.43 J |
| Trichlorofluoromethane | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | 5 U | NA | NA | 5 U | 5 U | 20 U | 5 U |
| Vinyl Chloride | 2 | UG/L | NA | 21 | NA | 450 | 45 | 100 | 73 | 2 |
| Xylenes | 5 | UG/L | NA | 2.5 U | NA | NA | 2.5 U | 2.5 U | 10 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 04/05/2016 | 07/20/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | 30 U | 15 U | 15 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.42 J | 0.5 U | 0.28 J | 10 U | 5 U | 5 U | 5 U | 5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | 40 U | 20 U | 20 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | 40 U | 20 U | 20 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1.2 U | 0.5 U | 0.5 U | 10 U | 5 U | 5 U | 5 U | 5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | 20 U | 10 U | 10 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | 40 U | 20 U | 20 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 620 U | 250 U | 250 U | 5000 U | 2500 U | 2500 U | 2500 U | 2500 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | 40 U | 20 U | 20 U | NA | NA |
| Acetone | 50 | UG/L | 12 U | 5 U | 5 U | 100 U | 50 U | 50 U | 50 U | 50 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Benzene | 1 | UG/L | 1.2 U | 0.5 U | 0.28 J | 10 U | 5 U | 5 U | 5 U | 5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: Sample Date: Normal or Field Duplicate: | | | MW-22 | MW-22 | MW-22 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 04/05/2016 | 07/20/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | N | N | N | N | N | FD | N | N |
| | | | Bromoform | 50 | UG/L | NA | NA | NA | 40 U | 20 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 1.2 U | 0.5 U | 0.5 U | 10 U | 5 U | 5 U | 5 U | 5 U |
| Chlorobenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Chloroform | 7 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 410 | 72 | 170 | 780 | 850 | 890 | 1200 | 600 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |
| Cymene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |
| Dibromomethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 410 | 72 | 170 | 780 | 850 | 890 | 1200 | 600 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Methane | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 104 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 12 U | 5 U | 5 U | 100 U | 50 U | 50 U | 50 U | 50 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| N-Propylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Sec-Butylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Styrene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1.9 | 0.65 | 0.73 | 5.4 J | 6.3 | 6.3 | 8.4 | 5 |
| Toluene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 04/05/2016 | 07/20/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 6.2 U | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | 25 U | 25 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 10 U | 5 U | 5 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 4.9 | 1 | 2.9 | 12 | 13 | 13 | 17 | 8.4 |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | 50 U | 25 U | 25 U | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | 100 U | 50 U | 50 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 62 | 3.7 | 4.7 | 2.3 J | 0.94 J | 0.93 J | 2.3 J | 4.1 J |
| Xylenes | 5 | UG/L | NA | 2.5 U | 2.5 U | 50 U | 25 U | 25 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 2.5 U | 5 U | 5 U | NA | NA | 2 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 7.5 U | 15 U | 15 U | NA | NA | 6 U | 1.5 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 2.5 U | 5 U | 5 U | NA | 5 U | 2 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 10 U | 20 U | 20 U | NA | NA | 8 U | 2 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 10 U | 20 U | 20 U | NA | NA | 8 U | 2 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 2.5 U | 5 U | 5 U | NA | 5 U | 2 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 5 U | 10 U | 10 U | NA | NA | 4 U | 1 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 10 U | 20 U | 20 U | NA | NA | 8 U | 2 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 1200 U | 2500 U | 2500 U | NA | 2500 U | 1000 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | 10 U | 20 U | 20 U | NA | NA | 8 U | 2 U | 2 U |
| Acetone | 50 | UG/L | 25 U | 50 U | 50 U | NA | 50 U | 20 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Benzene | 1 | UG/L | 2.5 U | 5 U | 5 U | NA | 5 U | 2 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | 2.5 U | 5 U | 5 U | NA | NA | 2 U | 0.5 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 10 U | 20 U | 20 U | NA | NA | 8 U | 2 U | 2 U |
| Bromomethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 2.5 U | 5 U | 5 U | NA | 5 U | 2 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Chloroform | 7 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 530 | 700 | 840 | NA | 820 | 430 | 56 | 92 |
| Cis-1,3-Dichloropropene | -- | UG/L | 2.5 U | 5 U | 5 U | NA | NA | 2 U | 0.5 U | 0.5 U |
| Cymene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | 2.5 U | 5 U | 5 U | NA | NA | 2 U | 0.5 U | 0.5 U |
| Dibromomethane | 5 | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Dichloroethylenes | 5 | UG/L | 530 | 700 | 840 | NA | 820 | 430 | 56 | 92 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | 114 | 88.9 | NA | 102 | 192 | 24 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 25 U | 50 U | 50 U | NA | 50 U | 20 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Methylene Chloride | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 4 J | 25 U | 25 U | NA | 25 U | 4.2 J | 1.7 J | 1.6 J |
| Tetrachloroethylene (PCE) | 5 | UG/L | 4 | 4.2 J | 3.9 J | NA | 2.5 J | 1.4 J | 0.36 J | 0.59 |
| Toluene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/18/2017 | 11/22/2017 | 03/30/2018 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 2.5 U | 5 U | NA | 5 U | NA | 2 U | 0.5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 12 U | 25 U | 25 U | NA | 25 U | 10 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 2.5 U | 5 U | 5 U | NA | NA | 2 U | 0.5 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 6.4 | 8.6 | 5.6 | NA | 5.2 | 2.7 | 0.71 | 1 |
| Trichlorofluoromethane | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | 25 U | 50 U | 50 U | NA | NA | 20 U | 5 U | 5 U |
| Vinyl Chloride | 2 | UG/L | 1.8 J | 5.5 J | 10 | NA | 4.4 J | 8.5 | 0.57 J | 0.6 J |
| Xylenes | 5 | UG/L | 12 U | 25 U | 25 U | NA | NA | 10 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/09/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 01/26/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 3 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 1 U | 1 U | 0.26 J | 5 U | 1.2 J | 5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1 U | 1 U | 0.5 U | 5 U | 2.5 U | 5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 2 U | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 500 U | 500 U | 250 U | 2500 U | 1200 U | 2500 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 7 J | 10 U | 1.6 J | 50 U | 25 U | 50 U | 6.1 | 5 U |
| Acrylonitrile | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 1 U | 1 U | 0.5 U | 5 U | 2.5 U | 5 U | 1 | 0.38 J |
| Bromobenzene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/09/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 01/26/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 4 U | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 1 U | 1 U | 0.5 U | 5 U | 2.5 U | 5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 180 | 240 | 200 | 990 | 890 | 1300 | 17 | 5.7 |
| Cis-1,3-Dichloropropene | -- | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 180 | 240 | NA | 990 | 890 | 1300 | 17 | 5.7 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 1.2 J | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | NA | 100 | NA | 252 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 10 U | 10 U | 5 U | 50 U | 25 U | 50 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 0.78 J | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 1.8 J | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.1 J | 2.2 J | 2.8 | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.9 J | 0.93 J | 1.3 | 6.2 | 8.2 | 7.6 | 0.34 J | 0.28 J |
| Toluene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/09/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 01/26/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 5 U | 5 U | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 1 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 1.5 | 1.7 | 2.2 | 13 | 11 | 11 | 1.1 | 0.25 J |
| Trichlorofluoromethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 0.93 J | 6.6 | 5.7 | 4 J | 5.2 | 1.9 J | 0.19 J | 0.2 J |
| Xylenes | 5 | UG/L | 5 U | NA | 2.5 U | 25 U | 12 U | 25 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/29/2022 | 09/28/2022 | 12/02/2022 | 04/27/2017 | 04/27/2017 | 07/18/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | FD | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | 150 U | 380 U | 60 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 25 U | 18 J | 22 J | 63 J | 8.6 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | 200 U | 500 U | 80 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | 200 U | 500 U | 80 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 25 U | 50 U | 50 U | 120 U | 20 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | 100 U | 250 U | 40 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | 200 U | 500 U | 80 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 12000 U | 25000 U | 25000 U | 62000 U | 10000 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | 200 U | 500 U | 80 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 5 U | 250 U | 500 U | 500 U | 1200 U | 200 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Benzene | 1 | UG/L | 0.5 U | 0.17 J | 0.5 U | 25 U | 50 U | 50 U | 120 U | 20 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/29/2022 | 09/28/2022 | 12/02/2022 | 04/27/2017 | 04/27/2017 | 07/18/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | FD | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | 200 U | 500 U | 80 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 25 U | 50 U | 50 U | 120 U | 20 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 1.6 J | 2.9 | 4.4 | 3700 | 7400 | 13000 | 36000 | 4400 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Dichloroethylenes | 5 | UG/L | 1.6 J | 2.9 | 4.4 | 3700 | 7400 | 13000 | 36000 | 4400 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Methane | -- | UG/L | 2.07 | 188 | 127 | 192 | 261 | NA | NA | 194 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 5 U | 250 U | 500 U | 500 U | 1200 U | 200 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.31 J | 0.26 J | 0.36 J | 25 U | 50 U | 50 U | 900 | 20 U |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/29/2022 | 09/28/2022 | 12/02/2022 | 04/27/2017 | 04/27/2017 | 07/18/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | FD | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 120 U | 250 U | 250 U | 620 U | 100 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | 50 U | 120 U | 20 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.26 J | 0.35 J | 0.56 | 14 J | 30 J | 50 U | 240 | 19 J |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | 250 U | 620 U | 100 U |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | 500 U | 1200 U | 200 U |
| Vinyl Chloride | 2 | UG/L | 1 U | 0.11 J | 0.08 J | 2500 | 2300 | 4300 | 3400 | 1600 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | NA | NA | 250 U | 620 U | 100 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 5 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 1.5 U | NA | 1.5 U | NA | 1.5 U | NA | 15 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 2 U | NA | 2 U | NA | 2 U | NA | 20 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 2 U | NA | 2 U | NA | 2 U | NA | 20 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 1 U | NA | 1 U | NA | 1 U | NA | 10 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 2 U | NA | 2 U | NA | 2 U | NA | 20 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | NA | 250 U | NA | 250 U | 250 U | 2500 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | 2 U | NA | 2 U | NA | 2 U | NA | 20 U | 2 U |
| Acetone | 50 | UG/L | 13 | NA | 5 U | NA | 5 U | 5 U | 50 U | 5 U |
| Acrylonitrile | 5 | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Benzene | 1 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 5 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 2 U | NA | 2 U | NA | 2 U | NA | 20 U | 2 U |
| Bromomethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Chloroethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 0.92 J | NA | 25 U | 3.5 |
| Chloroform | 7 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Chloromethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 31 | NA | 32 | NA | 16 | 17 | 240 | 12 |
| Cis-1,3-Dichloropropene | -- | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 5 U | 0.5 U |
| Cymene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 5 U | 0.5 U |
| Dibromomethane | 5 | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Dichloroethylenes | 5 | UG/L | 31 | NA | 32 | NA | 16 | 17 | 240 | 12 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Methane | -- | UG/L | 345 | NA | NA | NA | NA | 111 | 199 | 194 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 22 | NA | 5 U | NA | 5 U | 5 U | 50 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Naphthalene | 10 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Styrene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| Toluene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 0.5 U | NA | 0.5 U | 0.5 U | NA | 5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | 2.5 U | 25 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | NA | 5 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | NA | 0.5 U | NA | 0.5 U | 0.5 U | 5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | 5 U | NA | 5 U | NA | 5 U | NA | 50 U | 5 U |
| Vinyl Chloride | 2 | UG/L | 120 | NA | 120 | NA | 130 | 120 | 1300 | 400 |
| Xylenes | 5 | UG/L | 2.5 U | NA | 2.5 U | NA | 2.5 U | NA | 25 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 15 U | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 5 U | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 20 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 20 U | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1.3 J | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 10 U | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 20 U | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 2500 U | 250 U | 2500 U | 12000 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 20 U | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 45 J | 5 U | 50 U | 250 U | 3.8 J | 1.6 J | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 5 U | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 20 U | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 9.1 J | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 5 U | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | 8.1 J | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | 28 | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 46 | 200 | 130 | 740 | 100 | 15 | 12 | 7.6 |
| Cis-1,3-Dichloropropene | -- | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 46 | 200 | 130 | 740 | 100 | 15 | 12 | 7.6 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | 945 | 7720 | 1250 | NA | 2400 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 50 U | 5 U | 50 U | 140 J | 41 | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 5 U | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Toluene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|--|--|------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | 5 U | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 5 U | 0.5 U | 5 U | 25 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | 25 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 50 U | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 3400 | 2600 | 2500 | 4800 | 500 | 100 | 200 | 19 |
| Xylenes | 5 | UG/L | 25 U | 2.5 U | 25 U | 120 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | 60 U | 30 U | 1.5 U | NA | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 1 J |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | 80 U | 40 U | 2 U | NA | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 3.1 |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | 80 U | 40 U | 2 U | NA | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | 40 U | 20 U | 1 U | NA | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | 80 U | 40 U | 2 U | NA | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 10000 U | 10000 U | 5000 U | 250 U | NA | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | 80 U | 40 U | 2 U | NA | 2 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 200 U | 200 U | 70 J | 1.6 J | NA | 5 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | 20 U | 10 U | 0.5 U | NA | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | 80 U | 40 U | 2 U | NA | 2 U |
| Bromomethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | 200 U | 28 J | 5 U | NA | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | 98 J | 50 U | 1.5 J | NA | 2.5 |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | 100 U | 19 J | 2.5 U | NA | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 6.8 | 5.8 | 2900 | 4100 | 1300 | 2.4 J | NA | 4.8 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Cymene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| Dichloroethylenes | 5 | UG/L | 6.8 | 5.8 | 2900 | 4100 | 1400 | 2.4 J | NA | 4.8 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Methane | -- | UG/L | 7750 | 3820 | 290 | NA | 23.7 | 487 | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 200 U | 200 U | 100 U | 5 U | NA | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Styrene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 50 U | 2.5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | 20 U | 10 U | NA | 0.5 U | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 100 U | 100 U | 100 | 2.5 U | NA | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | 20 U | 10 U | 0.5 U | NA | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 0.5 U | 20 U | 20 U | 5.5 J | 0.5 U | NA | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | 200 U | 100 U | 5 U | NA | 5 U |
| Vinyl Chloride | 2 | UG/L | 35 | 15 | 900 | 900 | 86 | 11 | NA | 32 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | NA | 100 U | 50 U | 2.5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/26/2018 | 06/01/2018 | 08/21/2018 | 10/09/2018 | 01/10/2019 | 01/10/2019 | 04/05/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | NA | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Acetone | 50 | UG/L | NA | 5 U | 1.5 J | 3.2 J | 5 U | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Benzene | 1 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/26/2018 | 06/01/2018 | 08/21/2018 | 10/09/2018 | 01/10/2019 | 01/10/2019 | 04/05/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U | 2 U |
| Bromomethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Carbon Tetrachloride | 5 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 11 | 5.4 | 3.2 | 0.84 J | 2.5 U | 0.85 J | 1.1 J |
| Chloroform | 7 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | NA | 8.8 | 6 | 8.4 | 2.8 | 2.4 J | 5.2 | 33 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Cymene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Dichloroethylenes | 5 | UG/L | NA | 8.8 | 6 | 8.4 | 2.8 | 2.4 J | 5.2 | 33 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Ethylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| m,p-Xylene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | 456 | 312 | 56.9 | 69 | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methylene Chloride | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Butylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| T-Butylbenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 1 J | 1 J | 0.94 J | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Toluene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/26/2018 | 06/01/2018 | 08/21/2018 | 10/09/2018 | 01/10/2019 | 01/10/2019 | 04/05/2019 | 07/08/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | NA | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Vinyl Chloride | 2 | UG/L | NA | 190 | 73 | 39 | 6.4 | 5.1 | 11 | 19 |
| Xylenes | 5 | UG/L | NA | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/25/2021 | 01/26/2022 | 04/29/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 2 U | 0.36 J | 0.22 J | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 1000 U | 250 U | 250 U | 250 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 5 U | 5 U | 20 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/25/2021 | 01/26/2022 | 04/29/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 47 | 78 | 520 | 190 | 220 | 26 | 11 | 3.7 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 47 | 78 | 520 | 190 | 220 | 26 | 11 | 3.7 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | NA | 309 | 210 | 68.3 | NA | 13.3 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 20 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 0.9 J | 10 U | 1.1 J | 0.96 J | 1.8 J | 1.5 J | 2.6 |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/25/2021 | 01/26/2022 | 04/29/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 0.5 U | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 29 | 39 | 120 | 170 | 160 | 11 | 2 | 1.1 |
| Xylenes | 5 | UG/L | NA | 2.5 U | 10 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | 750 U | 380 U | NA | NA | 300 U | 150 U |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 120 U | 200 U | 56 J | 20 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | 1000 U | 500 U | NA | NA | 400 U | 200 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | 1000 U | 500 U | NA | NA | 400 U | 200 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 120 U | 200 U | 100 U | 50 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | 500 U | 250 U | NA | NA | 200 U | 100 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | 1000 U | 500 U | NA | NA | 400 U | 200 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 120000 U | 62000 U | 62000 U | 100000 U | 50000 U | 25000 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 2-Hexanone | 50 | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| 4-Ethyltoluene | -- | UG/L | NA | NA | 1000 U | 500 U | NA | NA | 400 U | 200 U |
| Acetone | 50 | UG/L | 5 U | 5 U | 2500 U | 360 J | 1200 U | 2000 U | 1000 U | 500 U |
| Acrylonitrile | 5 | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 120 U | 200 U | 100 U | 50 U |
| Bromobenzene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Bromochloromethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Bromodichloromethane | 50 | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | 1000 U | 500 U | NA | NA | 400 U | 200 U |
| Bromomethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Carbon Disulfide | 60 | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 120 U | 200 U | 100 U | 50 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Chloroethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Chloromethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 19 | 25 | 25000 | 15000 | 14000 | 17000 | 33000 | 14000 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |
| Cymene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Dibromochloromethane | 50 | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |
| Dibromomethane | 5 | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Dichloroethylenes | 5 | UG/L | 19 | 25 | 25000 | 15000 | 14000 | 17000 | 33000 | 14000 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Methane | -- | UG/L | 948 | 2840 | NA | NA | NA | 331 | NA | 162 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 5 U | 2500 U | 1200 U | 1200 U | 2000 U | 1000 U | 500 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Naphthalene | 10 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Styrene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 0.98 J | 1.7 J | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 97 J | 300 | 820 | 500 |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|------------|------------|-------------|-------------|-------------|--------------|-------------|-------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 07/18/2017 | 11/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | 620 U | 1000 U | 500 U | 250 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | 250 U | 120 U | NA | NA | 100 U | 50 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Trichloroethylene (TCE) | 5 | UG/L | 0.5 U | 0.5 U | 250 U | 120 U | 120 U | 120 J | 230 | 210 |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | 1200 U | 620 U | NA | NA | 500 U | 250 U |
| Vinyl Acetate | -- | UG/L | NA | NA | 2500 U | 1200 U | NA | NA | 1000 U | 500 U |
| Vinyl Chloride | 2 | UG/L | 9.4 | 9.7 | 1800 | 1500 | 2000 | 1300 | 3200 | 4100 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 1200 U | 620 U | NA | NA | 500 U | 250 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | NA | 5 U | 2.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | 75 U | NA | 30 U | NA | 7.5 U | NA | 15 U | 7.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,1-Dichloroethene | 5 | UG/L | 25 U | NA | 10 U | NA | 1.1 J | 2 U | 5 U | 3 |
| 1,1-Dichloropropene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 100 U | NA | 40 U | NA | 10 U | NA | 20 U | 10 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 100 U | NA | 40 U | NA | 10 U | NA | 20 U | 10 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | 2 U | 5 U | 2.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 50 U | NA | 20 U | NA | 5 U | NA | 10 U | 5 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,3-Dichloropropane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| 1,4-Diethyl Benzene | -- | UG/L | 100 U | NA | 40 U | NA | 10 U | NA | 20 U | 10 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 12000 U | NA | 5000 U | NA | 1200 U | 1000 U | 2500 U | 1200 U |
| 2,2-Dichloropropane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 2-Chlorotoluene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 2-Hexanone | 50 | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| 4-Chlorotoluene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| 4-Ethyltoluene | -- | UG/L | 100 U | NA | 40 U | NA | 10 U | NA | 20 U | 10 U |
| Acetone | 50 | UG/L | 250 U | NA | 66 J | NA | 12 J | 20 U | 55 | 25 U |
| Acrylonitrile | 5 | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Benzene | 1 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | 2 U | 5 U | 2.5 U |
| Bromobenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Bromochloromethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Bromodichloromethane | 50 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | NA | 5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 100 U | NA | 40 U | NA | 10 U | NA | 20 U | 10 U |
| Bromomethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Carbon Disulfide | 60 | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Carbon Tetrachloride | 5 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | 2 U | 5 U | 2.5 U |
| Chlorobenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Chloroethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Chloroform | 7 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Chloromethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 6500 | NA | 1700 | NA | 800 | 370 | 570 | 1200 |
| Cis-1,3-Dichloropropene | -- | UG/L | 25 U | NA | 10 U | NA | 2.5 U | NA | 5 U | 2.5 U |
| Cymene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Dibromochloromethane | 50 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | NA | 5 U | 2.5 U |
| Dibromomethane | 5 | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Dichlorodifluoromethane | 5 | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Dichloroethylenes | 5 | UG/L | 6500 | NA | 1700 J | NA | 810 J | 380 J | 580 J | 1200 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Ethylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Hexachlorobutadiene | 0.5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| m,p-Xylene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Methane | -- | UG/L | 213 | NA | 231 | NA | 133 | 152 | 177 | 222 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 250 U | NA | 100 U | NA | 25 U | 20 U | 50 U | 25 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Methylene Chloride | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Naphthalene | 10 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| N-Butylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| N-Propylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Sec-Butylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Styrene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| T-Butylbenzene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | 2 U | 5 U | 2.5 U |
| Toluene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | 10 U | 25 U | 12 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|-------------|------------|-------------|------------|--------------|--------------|-------------|-------------|
| Sample Date: | | | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 25 U | NA | 10 U | 2.5 U | NA | 5 U | 2.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 120 U | NA | 16 J | NA | 9.4 J | 6.8 J | 13 J | 19 |
| Trans-1,3-Dichloropropene | -- | UG/L | 25 U | NA | 10 U | NA | 2.5 U | NA | 5 U | 2.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Trichloroethylene (TCE) | 5 | UG/L | 25 U | NA | 10 U | NA | 2.5 U | 2 U | 5 U | 1 J |
| Trichlorofluoromethane | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |
| Vinyl Acetate | -- | UG/L | 250 U | NA | 100 U | NA | 25 U | NA | 50 U | 25 U |
| Vinyl Chloride | 2 | UG/L | 9500 | NA | 7800 | NA | 6700 | 6600 | 1200 | 9900 |
| Xylenes | 5 | UG/L | 120 U | NA | 50 U | NA | 12 U | NA | 25 U | 12 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | 38 U | 30 U | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 5.8 J | 8.7 J | 5 U | 27 J | 9 J | 7 J | 2.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | 50 U | 40 U | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | 50 U | 40 U | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 12 U | 10 U | 5 U | 50 U | 12 U | 12 U | 2.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | 25 U | 20 U | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | 50 U | 40 U | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 6200 U | 5000 U | 2500 U | 25000 U | 6200 U | 6200 U | 1200 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | 50 U | 40 U | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 120 U | 100 U | 50 U | 500 U | 120 U | 120 U | 8.9 J | 14 |
| Acrylonitrile | 5 | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 12 U | 10 U | 5 U | 50 U | 12 U | 12 U | 2.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | 50 U | 40 U | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 12 U | 10 U | 5 U | 50 U | 12 U | 12 U | 2.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Chloroethane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Chloromethane | 5 | UG/L | 30 J | 50 U | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 2100 | 3100 | 960 | 15000 | 3900 | 3600 | 44 | 110 |
| Cis-1,3-Dichloropropene | -- | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 2100 J | 3100 J | 960 | 15000 | 3900 J | 3600 J | 49 J | 110 J |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Methane | -- | UG/L | NA | NA | 1500 | NA | NA | NA | 6300 | 13600 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 120 U | 100 U | 50 U | 500 U | 120 U | 120 U | 100 | 96 |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Naphthalene | 10 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Styrene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 12 U | 10 U | 2.2 J | 50 U | 12 U | 12 U | 2.5 U | 0.5 U |
| Toluene | 5 | UG/L | 62 U | 50 U | 25 U | 250 U | 62 U | 62 U | 12 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|--|--|------|--------------|--------------|-------------|--------------|--------------|--------------|------------|-------------|
| Sample Date: | | | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 22 J | 20 J | 25 U | 250 U | 23 J | 18 J | 4.9 J | 1.6 J |
| Trans-1,3-Dichloropropene | -- | UG/L | 12 U | 10 U | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 12 U | 10 U | 2.7 J | 18 J | 12 U | 12 U | 2.5 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | 62 U | 50 U | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | 120 U | 100 U | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 16000 | 12000 | 4400 | 19000 | 12000 | 13000 | 740 | 3500 |
| Xylenes | 5 | UG/L | 62 U | 50 U | NA | 250 U | 62 U | 62 U | 12 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/28/2021 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 10/11/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | 75 U | 300 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,1-Dichloroethene | 5 | UG/L | 0.5 U | 0.22 J | 0.5 U | 0.5 U | 25 U | 100 U | 100 U | 100 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | 100 U | 400 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | 100 U | 400 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 25 U | 100 U | 100 U | 100 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | 50 U | 200 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | 100 U | 400 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 250 U | 250 U | 250 U | 250 U | 12000 U | 50000 U | 50000 U | 50000 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | 100 U | 400 U | NA | NA |
| Acetone | 50 | UG/L | 3.5 J | 8.7 | 2 J | 5 U | 250 U | 1000 U | 1000 U | 1000 U |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Benzene | 1 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 25 U | 100 U | 100 U | 100 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/28/2021 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 10/11/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | 100 U | 400 U | NA | NA |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 25 U | 100 U | 100 U | 100 U |
| Chlorobenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Chloroform | 7 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 5 | 29 | 6.2 | 3.6 | 2700 | 8700 | 14000 | 14000 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |
| Cymene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 5 | 29 | 6.2 | 3.6 | 2700 | 8700 | 14000 | 14000 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Methane | -- | UG/L | 6390 | 1150 | 3030 | 2100 | NA | NA | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 5 U | 2.5 J | 5 U | 5 U | 250 U | 1000 U | 1000 U | 1000 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| N-Propylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Sec-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 0.5 U | 0.24 J | 0.19 J | 0.5 U | 100 | 45 J | 100 U | 100 U |
| Toluene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/28/2021 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/05/2016 | 07/19/2016 | 10/11/2016 | 10/11/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | 500 U | 500 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | 25 U | 100 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 0.28 J | 1.5 | 0.31 J | 0.3 J | 110 | 68 J | 100 U | 100 U |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | 120 U | 500 U | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | 250 U | 1000 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 260 | 30 | 110 | 82 | 230 | 1200 | 2700 | 2800 |
| Xylenes | 5 | UG/L | 2.5 U | 2.5 U | 2.5 U | 2.5 U | 120 U | 500 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 20 U | 2.3 | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 60 U | 8.8 | 1.5 U | NA | 1.5 U | NA | 1.5 U |
| 1,1-Dichloroethane | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 20 U | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 80 U | 8 U | 2 U | NA | 2 U | NA | 2 U |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 80 U | 8 U | 2 U | NA | 2 U | NA | 2 U |
| 1,2-Dichlorobenzene | 3 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 20 U | 20 U | 7.7 | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 40 U | 4 U | 1 U | NA | 1 U | NA | 1 U |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,4-Dichlorobenzene | 3 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 80 U | 8 U | 2 U | NA | 2 U | NA | 2 U |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 10000 U | 10000 U | 1000 U | 250 U | NA | 250 U | NA | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 2-Chlorotoluene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 2-Hexanone | 50 | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| 4-Chlorotoluene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| 4-Ethyltoluene | -- | UG/L | NA | 80 U | 8 U | 2 U | NA | 2 U | NA | 2 U |
| Acetone | 50 | UG/L | 200 U | 200 U | 130 | 5 U | NA | 5 U | NA | 1.8 J |
| Acrylonitrile | 5 | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| Benzene | 1 | UG/L | 20 U | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Bromochloromethane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Bromodichloromethane | 50 | UG/L | NA | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 80 U | 8 U | 2 U | NA | 2 U | NA | 2 U |
| Bromomethane | 5 | UG/L | NA | 100 U | 3 J | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Carbon Disulfide | 60 | UG/L | NA | 200 U | 57 | 5 U | NA | 5 U | NA | 5 U |
| Carbon Tetrachloride | 5 | UG/L | 20 U | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Chlorobenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Chloroform | 7 | UG/L | 100 U | 100 U | 5 J | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 100 U | 120 | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 3600 | 3900 | 610 | 4.4 | NA | 5.9 | NA | 53 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Cymene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Dibromochloromethane | 50 | UG/L | NA | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Dibromomethane | 5 | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| Dichlorodifluoromethane | 5 | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| Dichloroethylenes | 5 | UG/L | 3600 | 3900 | 650 | 4.4 | NA | 5.9 | NA | 53 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Ethylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| m,p-Xylene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Methane | -- | UG/L | 209 | NA | 10.8 | 134 | NA | NA | NA | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 200 U | 200 U | 9.9 J | 5 U | NA | 5 U | NA | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| Methylene Chloride | 5 | UG/L | 100 U | 100 U | 9.7 J | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| N-Butylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Styrene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| T-Butylbenzene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 170 | 300 | 78 | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Toluene | 5 | UG/L | 100 U | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/27/2017 | 07/18/2017 | 11/27/2017 | 03/29/2018 | 03/29/2018 | 04/26/2018 | 04/26/2018 | 06/01/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 20 U | 2 U | NA | 0.5 U | NA | 0.5 U | 0.5 U |
| Trans-1,2-Dichloroethene | 5 | UG/L | 100 U | 100 U | 41 | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 20 U | 2 U | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Trichloroethylene (TCE) | 5 | UG/L | 60 | 64 | 36 | 0.5 U | NA | 0.5 U | NA | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |
| Vinyl Acetate | -- | UG/L | NA | 200 U | 20 U | 5 U | NA | 5 U | NA | 5 U |
| Vinyl Chloride | 2 | UG/L | 1300 | 3100 | 160 | 54 | NA | 420 | NA | 150 |
| Xylenes | 5 | UG/L | NA | 100 U | 10 U | 2.5 U | NA | 2.5 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/02/2018 | 10/09/2018 | 10/09/2018 | 01/11/2019 | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/28/2020 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | 1.5 U | 1.5 U | 3 U | 3.8 U | 6 U | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 1 U | 0.5 U | 0.5 U | 0.52 J | 0.58 J | 2 U | 1 U | 0.17 J |
| 1,1-Dichloropropene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | 2 U | 2 U | 4 U | 5 U | 8 U | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | 2 U | 2 U | 4 U | 5 U | 8 U | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 1 U | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | 1 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | 1 U | 1 U | 2 U | 2.5 U | 4 U | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | 2 U | 2 U | 4 U | 5 U | 8 U | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 500 U | 250 U | 250 U | 500 U | 620 U | 1000 U | 500 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | 2 U | 2 U | 4 U | 5 U | 8 U | NA | NA |
| Acetone | 50 | UG/L | 10 U | 4.6 J | 3.2 J | 10 U | 3.8 J | 20 U | 10 U | 5 U |
| Acrylonitrile | 5 | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Benzene | 1 | UG/L | 1 U | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | 1 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/02/2018 | 10/09/2018 | 10/09/2018 | 01/11/2019 | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/28/2020 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | 2 U | 2 U | 4 U | 5 U | 8 U | NA | NA |
| Bromomethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 1 U | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | 1 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 4.6 J | 3.5 J | 10 U | NA | NA |
| Chloroform | 7 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 3.4 J | 10 U | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 140 | 140 | 140 | 380 | 320 | 260 | 140 | 130 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |
| Cymene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |
| Dibromomethane | 5 | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Dichloroethylenes | 5 | UG/L | 140 | 140 | 140 | 380 J | 320 J | 260 | 140 | 130 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Ethylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| m,p-Xylene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Methane | -- | UG/L | 66.3 | 346 | 330 | 77.3 | NA | NA | 85.5 | NA |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 10 U | 5 U | 5 U | 10 U | 12 U | 20 U | 10 U | 5 U |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Methylene Chloride | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| N-Butylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| T-Butylbenzene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 1 U | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | 1 U | 0.5 U |
| Toluene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | 5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/02/2018 | 10/09/2018 | 10/09/2018 | 01/11/2019 | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/28/2020 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 5 U | 2.5 U | 2.5 U | 2 J | 2.2 J | 10 U | 5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 1 U | 0.5 U | 0.5 U | 1 U | 1.2 U | 2 U | 1 U | 0.5 U |
| Trichlorofluoromethane | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | 5 U | 5 U | 10 U | 12 U | 20 U | NA | NA |
| Vinyl Chloride | 2 | UG/L | 310 | 190 | 190 | 310 | 240 | 370 | 610 | 770 |
| Xylenes | 5 | UG/L | NA | 2.5 U | 2.5 U | 5 U | 6.2 U | 10 U | NA | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/29/2022 | 09/28/2022 | 12/02/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,1-Trichloroethane (TCA) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,1,2,2-Tetrachloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1,2-Trichloroethane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,1-Dichloroethane | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,1-Dichloroethene | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 2 U | 1 U | 0.5 U | 0.5 U |
| 1,1-Dichloropropene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,3-Trichloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4,5-Tetramethylbenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trichlorobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2,4-Trimethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,2-Dibromo-3-Chloropropane | 0.04 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dibromoethane (Ethylene Dibromide) | 0.0006 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,2-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,2-Dichloroethane | 0.6 | UG/L | 5 U | 0.2 J | 0.5 U | 0.5 U | 2 U | 1 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | 1 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,3,5-Trimethylbenzene (Mesitylene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,3-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,3-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dichlorobenzene | 3 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| 1,4-Diethyl Benzene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 1,4-Dioxane (P-Dioxane) | 0.35 | UG/L | 2500 U | 250 U | 250 U | 250 U | 1000 U | 500 U | 250 U | 250 U |
| 2,2-Dichloropropane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 2-Hexanone | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Chlorotoluene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-Ethyltoluene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Acetone | 50 | UG/L | 50 U | 23 | 16 | 64 | 630 | 120 | 39 | 54 |
| Acrylonitrile | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Benzene | 1 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 2 U | 1 U | 0.5 U | 0.5 U |
| Bromobenzene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromochloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|---|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/29/2022 | 09/28/2022 | 12/02/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Bromoform | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Bromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Disulfide | 60 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Carbon Tetrachloride | 5 | UG/L | 5 U | 0.5 U | 0.5 U | 0.5 U | 2 U | 1 U | 0.5 U | 0.5 U |
| Chlorobenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Chloroethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | 7 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Chloromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cis-1,2-Dichloroethylene | 5 | UG/L | 170 | 130 | 54 | 40 | 29 | 15 | 7.7 | 5.8 |
| Cis-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Cymene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromochloromethane | 50 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dibromomethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichlorodifluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Dichloroethylenes | 5 | UG/L | 170 | 130 | 54 | 40 | 29 | 15 | 7.7 | 5.8 |
| Diethyl Ether (Ethyl Ether) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Hexachlorobutadiene | 0.5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Isopropylbenzene (Cumene) | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| m,p-Xylene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Methane | -- | UG/L | NA | 130 | 130 | 8780 | NA | 5590 | 9720 | 10400 |
| Methyl Ethyl Ketone (2-Butanone) | 50 | UG/L | 50 U | 150 | 37 | 200 | 640 | 350 | 53 | 28 |
| Methyl Isobutyl Ketone (4-Methyl-2-Pentanone) | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Methylene Chloride | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Naphthalene | 10 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| N-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| N-Propylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| O-Xylene (1,2-Dimethylbenzene) | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Sec-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Styrene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| T-Butylbenzene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Tert-Butyl Methyl Ether | 10 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Tetrachloroethylene (PCE) | 5 | UG/L | 5 U | 0.82 | 1 | 0.22 J | 2 U | 1 U | 0.5 U | 0.5 U |
| Toluene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |

Table 3. Summary of Volatile Organic Compounds in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|--|--|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/29/2022 | 09/28/2022 | 12/02/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | |
| Total, 1,3-Dichloropropene (Cis And Trans) | 0.4 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,2-Dichloroethene | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |
| Trans-1,3-Dichloropropene | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trans-1,4-Dichloro-2-Butene | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Trichloroethylene (TCE) | 5 | UG/L | 5 U | 0.48 J | 0.36 J | 0.5 U | 2 U | 0.42 J | 0.5 U | 0.34 J |
| Trichlorofluoromethane | 5 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Acetate | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | 2 | UG/L | 1400 | 170 | 76 | 44 | 18 | 11 | 10 | 6.2 |
| Xylenes | 5 | UG/L | 25 U | 2.5 U | 2.5 U | 2.5 U | 10 U | 5 U | 2.5 U | 2.5 U |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 | MW-8 |
|------------------------------|--|------------|------------|------------|---------------|---------------|---------------|---------------|------------|---------------|
| | | 07/20/2016 | 10/11/2016 | 04/27/2017 | 11/22/2017 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 |
| Sample Date: | | N | N | N | N | N | N | N | N | N |
| Normal or Field Duplicate: | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | 55000 | 59000 | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | 43000 | 31000 | 85000 | 14000 J | 19000 J | 27000 |
| Ethane | -- | UG/L | NA | NA | 0.592 | 0.5 U | 0.5 U | 0.765 | 1.23 | 0.5 U |
| Ethene | -- | UG/L | NA | NA | 4.08 | 4.22 | 1.87 | 2.92 | 5.45 | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | 36 J | 100 U | 100 U | 50 J | 100 U | 1820 |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | 380000 | 330000 | 290000 | 260000 | 240000 | 470000 |
| Total Organic Carbon | -- | UG/L | NA | NA | 6370 | 7320 | 4800 | 4750 | 4600 | 8600 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-8 | MW-8 | MW-8 | MW-9 | MW-9 | MW-9 | MW-10 | MW-10 | MW-10 |
|------------------------------|--|------|------------|------------|------------|------------|---------------|---------------|------------|---------------|---------------|
| Sample Date: | | | 07/09/2019 | 10/03/2019 | 10/03/2019 | 04/27/2017 | 11/27/2017 | 11/27/2017 | 07/19/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | FD | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | 220000 | 270000 | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | 14000 J | 20000 U | 55000 | NA | NA | 18000 J |
| Ethane | -- | UG/L | NA | 2.69 | 2.46 | 0.64 | 0.568 | 0.623 | NA | NA | 0.924 |
| Ethene | -- | UG/L | 0.712 | 0.658 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | NA | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | 68 J | 217 | 293 | NA | NA | 85 J |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | 45000 | 590000 | 610000 | NA | NA | 310000 |
| Total Organic Carbon | -- | UG/L | 5200 | 6000 | 6100 | 2560 | 10400 | 10600 | NA | NA | 6620 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | Sample Designation: | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|------------------------------|--|----------------------------|---------------|---------------|---------------|---------------|---------------|------------|------------|------------|------------|
| | | Sample Date: | 11/27/2017 | 03/29/2018 | 08/21/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 05/28/2020 |
| | | Normal or Field Duplicate: | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 20000 U | 16000 J | 14000 J | 19000 J | 36000 | NA | NA | NA | NA |
| Ethane | -- | UG/L | 0.966 | 1.26 | 15 | 30.3 | 16.2 | NA | NA | 7.21 | NA |
| Ethene | -- | UG/L | 0.866 | 0.5 U | 2.09 | 2.01 | 0.68 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 134 | 2290 | 3150 | 3200 | 4430 | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | 420000 | 780000 | 440000 | 460000 | 430000 | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 5410 | 4100 | 4400 | 8000 | 4600 | 3300 | 3600 | 4700 | 3300 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 | MW-10 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 05/28/2020 | 10/27/2020 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 01/26/2022 | 04/28/2022 | 09/28/2022 | 09/28/2022 |
| Normal or Field Duplicate: | | | FD | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | NA | NA | 0.814 | 11.2 | NA | 1 | 9.99 | 10.2 |
| Ethene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.623 | 13.7 | 8.29 | 0.574 | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 3200 | 3200 | 4300 | 3800 | 5400 | 4600 | 4300 | 2400 | 2600 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-10 | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R | MW-16R |
|------------------------------|--|------|------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|------------|
| Sample Date: | | | 12/02/2022 | 04/27/2017 | 11/22/2017 | 03/30/2018 | 07/02/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | 21000 | 14000 J | 8800 J | 17000 J | 16000 J | 15000 J | NA | NA |
| Ethane | -- | UG/L | 14 | 0.76 | 0.668 | 0.745 | 0.723 | 0.708 | 0.557 | NA | NA |
| Ethene | -- | UG/L | 0.702 | 12.4 | 11.1 | 6.99 | 11 | 23.6 | 26.1 | 21.4 | 18.6 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | 35 J | 100 U | 122 | 100 U | 100 U | 100 U | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | 450000 | 460000 | 380000 | 340000 | 620000 | 620000 | NA | NA |
| Total Organic Carbon | -- | UG/L | 2300 | 5310 | 4950 | 4000 | 3720 | 4200 | 4300 | 3700 | 4000 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | MW-16R | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 |
|------------------------------|--|------------|------------|------------|------------|----------------|---------------|---------------|---------------|---------------|---------------|
| Sample Date: | | 10/04/2019 | 07/20/2016 | 10/11/2016 | 04/27/2017 | 11/22/2017 | 03/30/2018 | 07/02/2018 | 07/02/2018 | 07/02/2018 | 10/09/2018 |
| Normal or Field Duplicate: | | N | N | N | N | N | N | N | N | FD | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | 48000 | 54000 | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | 43000 | 26000 | 18000 J | 12000 J | 14000 J | 16000 J |
| Ethane | -- | UG/L | 0.585 | NA | NA | 0.695 | 0.723 | 0.743 | 1.1 | 0.906 | 0.5 U |
| Ethene | -- | UG/L | 16.7 | NA | NA | 14.8 | 7.19 | 7.18 | 6.42 | 5.58 | 1.43 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | 2970 | 3670 | 3420 | 2820 | 3180 | 2210 |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | 1900000 | 560000 | 540000 | 390000 | 350000 | 340000 |
| Total Organic Carbon | -- | UG/L | 4300 | NA | NA | 11400 | 5950 | 4100 | 3880 | 3830 | 4400 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-18 | MW-18 | MW-18 | MW-18 | MW-18 | MW-19 | MW-19 | MW-19 | MW-19 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/11/2019 | 04/04/2019 | 04/04/2019 | 07/09/2019 | 10/04/2019 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 11/22/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | 79000 | 38000 | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 8500 J | NA | NA | NA | NA | NA | NA | 23000 | 20000 U |
| Ethane | -- | UG/L | 0.5 U | NA | NA | NA | 0.682 | NA | NA | 3.39 | 2.31 |
| Ethene | -- | UG/L | 0.5 U | 2.33 | 2.62 | 9.5 | 5.78 | NA | NA | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 414 | NA | NA | NA | NA | NA | NA | 100 U | 100 U |
| Sulfate (As SO4) | 250000 | UG/L | 120000 | NA | NA | NA | NA | NA | NA | 72000 | 69000 |
| Total Organic Carbon | -- | UG/L | 1700 | 3600 | 3600 | 4400 | 3600 | NA | NA | 5630 | 4750 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 | 07/08/2019 | 10/03/2019 | 05/29/2020 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 36000 | 7700 J | 37000 | 36000 | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | 2.93 | 4.31 | 5.08 | 8.42 | NA | NA | NA | 3.29 | NA |
| Ethene | -- | UG/L | 0.5 U | 0.5 U | 1.21 | 2.99 | 0.5 U | NA | 0.5 U | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 100 U | 100 U | 100 U | 35 J | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | 180000 | 100000 | 150000 | 54000 | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 5300 | 4010 | 4200 | 3000 | 2200 | 3100 | NA | 5800 | 3800 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-19 | MW-20 | |
|------------------------------|--|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| | | 10/27/2020 | 01/26/2021 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 09/28/2022 | 12/02/2022 | 12/02/2022 | 07/19/2016 | |
| Sample Date: | | N | N | FD | N | N | N | N | FD | N | |
| | | Normal or Field Duplicate: | | | | | | | | | |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 410000 |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | NA | NA | 1.3 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA |
| Ethene | -- | UG/L | 0.5 U | 0.866 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 7000 | 4000 | 3800 | 3500 | 2200 | 1700 | 1700 | 570 | NA |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | Sample Designation: | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|-------------------------------|--|----------------------------|---------------|------------|---------------|---------------|------------|------------|---------------|---------------|---------------|
| | | Sample Date: | 10/11/2016 | 04/27/2017 | 11/27/2017 | 03/29/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/10/2019 |
| | | Normal or Field Duplicate: | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | 330000 | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | 34000 | 31000 | 24000 | NA | NA | 7700 J | 37000 | 18000 J |
| Ethane | -- | UG/L | NA | 16.5 | 43.4 | 26.9 | NA | NA | 30.3 | 24.7 | 26.3 |
| Ethene | -- | UG/L | NA | 9.58 | 14.8 | 11 | NA | NA | 24.3 | 108 | 233 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | 553 | 100 U | 100 U | NA | NA | 34 J | 100 U | 100 U |
| Sulfate (As SO ₄) | 250000 | UG/L | NA | 48000 | 800000 | 790000 | NA | NA | 630000 | 370000 | 420000 |
| Total Organic Carbon | -- | UG/L | NA | 5320 | 9420 | 5000 | 5700 | 4200 | 3880 | 6700 | 7200 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/04/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 01/25/2021 | 04/28/2021 | 04/28/2021 | 10/27/2021 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | NA | 28.1 | NA | NA | NA | 20 | 21.8 | 56.8 |
| Ethene | -- | UG/L | 83.8 | 83.1 | 2.79 | 71.5 | 0.673 | 4.08 | 57.5 | 59.6 | 38.3 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 2400 | 4100 | 2600 | 5700 | 4800 | 98000 | 7500 | 7500 | 4600 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-20 | MW-20 | MW-20 | MW-20 | MW-20 | MW-21 | MW-21 | MW-21 | MW-21 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/26/2022 | 04/28/2022 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 11/22/2017 |
| Normal or Field Duplicate: | | | N | N | FD | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | 160000 | 210000 | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 43000 | 41000 |
| Ethane | -- | UG/L | NA | 17.5 | 20.7 | 25.9 | 19.2 | NA | NA | 64.3 | 10.1 |
| Ethene | -- | UG/L | 1.28 | 29.2 | 33.7 | 11.5 | 4.77 | NA | NA | 2.72 | 0.565 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | 405 | 100 U |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | 66000 | 140000 |
| Total Organic Carbon | -- | UG/L | 6200 | 5100 | 5100 | 2900 | 2700 | NA | NA | 4040 | 4500 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | Sample Designation: | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|-------------------------------|--|----------------------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|
| | | Sample Date: | 03/29/2018 | 07/02/2018 | 10/09/2018 | 01/10/2019 | 04/04/2019 | 07/08/2019 | 07/08/2019 | 10/03/2019 | 05/28/2020 |
| | | Normal or Field Duplicate: | N | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 35000 | 17000 J | 26000 | 15000 J | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | 25.6 | 28.1 | 7.39 | 29.3 | NA | NA | NA | 5.83 | NA |
| Ethene | -- | UG/L | 2.44 | 2.35 | 0.5 U | 91.7 | 7.11 | 0.546 | 0.812 | 0.768 | 1.32 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 858 | 100 U | 100 U | 69 J | NA | NA | NA | NA | NA |
| Sulfate (As SO ₄) | 250000 | UG/L | 68000 | 95000 | 72000 | 430000 | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 2800 | 3050 | 3100 | 6700 | 4400 | 2400 | 2600 | 3200 | 2500 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 | MW-21 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 10/27/2020 | 01/26/2021 | 04/28/2021 | 10/27/2021 | 10/27/2021 | 01/26/2022 | 01/26/2022 | 04/29/2022 | 09/28/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | FD | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | NA | 0.5 U | 3.42 | 3.49 | NA | NA | 1.38 | 2.53 |
| Ethene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 1300 | 1700 | 1900 | 3000 | 3000 | 3300 | 3400 | 3200 | 2700 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-21 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 12/02/2022 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 11/22/2017 | 03/29/2018 | 07/03/2018 | 10/09/2018 | 01/10/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | 110000 | 110000 | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | 30000 | 17000 J | 20000 U | 33000 | 44000 | 24000 |
| Ethane | -- | UG/L | 1.37 | NA | NA | 1.79 | 10.9 | 1.74 | 15.4 | 3.9 | 10.7 |
| Ethene | -- | UG/L | 0.5 U | NA | NA | 0.5 U | 1.2 | 0.5 U | 1.7 | 5.96 | 6.26 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | 211 | 100 U | 147 | 100 U | 100 U | 100 U |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | 45000 | 140000 | 60000 | 83000 | 68000 | 31000 |
| Total Organic Carbon | -- | UG/L | 2000 | NA | NA | 2710 | 5680 | 2100 | 2660 | 4200 | 3600 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-22 | MW-22 | MW-22 | MW-22 | MW-22 | MW-23 | MW-23 | MW-23 | MW-23 |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| Sample Date: | | | 04/04/2019 | 07/08/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 | 07/20/2016 | 07/20/2016 | 10/11/2016 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | FD | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | 28000 | 29000 | 32000 | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 25000 |
| Ethane | -- | UG/L | NA | NA | 2.45 | NA | NA | NA | NA | NA | 1.53 |
| Ethene | -- | UG/L | 2.52 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | NA | NA | NA | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 48 J |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 710000 |
| Total Organic Carbon | -- | UG/L | 3000 | 3200 | 4200 | 3600 | 3400 | NA | NA | NA | 6820 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 |
|------------------------------|--|------|---------------|---------------|---------------|---------------|---------------|------------|------------|------------|------------|
| Sample Date: | | | 11/22/2017 | 03/30/2018 | 07/03/2018 | 10/10/2018 | 01/10/2019 | 04/04/2019 | 07/09/2019 | 10/03/2019 | 05/28/2020 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 24000 | 29000 | 19000 J | 44000 | 18000 J | NA | NA | NA | NA |
| Ethane | -- | UG/L | 2.02 | 1.94 | 2.22 | 1.61 | 0.5 U | NA | NA | 0.522 | NA |
| Ethene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | 1.57 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 100 U | 100 U | 44 J | 100 U | 100 U | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | 700000 | 680000 | 710000 | 630000 | 460000 | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 7280 | 6300 | 6430 | 5600 | 5700 | 4800 | 5100 | 5400 | 5700 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-23 | MW-24I | MW-24I |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|---------------|---------------|
| Sample Date: | | | 10/27/2020 | 01/26/2021 | 10/27/2021 | 01/26/2022 | 04/29/2022 | 09/28/2022 | 12/02/2022 | 04/27/2017 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | 54000 | 57000 |
| Ethane | -- | UG/L | NA | NA | 0.795 | NA | 0.5 U | 0.5 U | 0.5 U | 3.62 | 5.31 |
| Ethene | -- | UG/L | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 92.9 | 161 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | 100 U | 100 U |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | 300000 | 310000 |
| Total Organic Carbon | -- | UG/L | 6400 | 7000 | 8900 | 3400 | 3000 | 2800 | 3000 | 11100 | 19200 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | Sample Designation: | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I |
|------------------------------|--|----------------------------|---------------|---------------|------------|------------|---------------|---------------|---------------|------------|------------|
| | | Sample Date: | 11/27/2017 | 03/29/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 01/11/2019 | 04/05/2019 | 05/29/2020 |
| | | Normal or Field Duplicate: | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 79000 | 82000 | NA | NA | 28000 | 40000 | 24000 | NA | NA |
| Ethane | -- | UG/L | 4.16 | 18.6 | NA | NA | 15.3 | 17.2 | 18 | NA | NA |
| Ethene | -- | UG/L | 153 | 65.7 | NA | NA | 129 | 563 | 237 | 810 | 543 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 100 U | 100 U | NA | NA | 48 J | 100 U | 54 J | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | 500000 | 260000 | NA | NA | 520000 | 610000 | 640000 | NA | NA |
| Total Organic Carbon | -- | UG/L | 14000 | 12000 | 5400 | 6700 | 5440 | 10000 | 5800 | 5800 | 4300 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-24I | MW-25I |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| Sample Date: | | | 10/28/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 04/27/2017 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 50000 |
| Ethane | -- | UG/L | NA | NA | 96.9 | 23.9 | NA | 5.35 | 7.94 | 6.2 | 2.94 |
| Ethene | -- | UG/L | 536 | 1760 | 3620 | 48.8 | 17.4 | 1.25 | 2.89 | 0.858 | 11.1 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 100 U |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | 850000 |
| Total Organic Carbon | -- | UG/L | 4100 | 260000 | 16000 | 4700 | 4300 | 3500 | 2800 | 2400 | 15500 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|-------------------------------|--|------|----------------|----------------|------------|------------|----------------|----------------|----------------|----------------|------------|
| Sample Date: | | | 11/27/2017 | 03/29/2018 | 04/26/2018 | 06/01/2018 | 08/21/2018 | 10/09/2018 | 01/10/2019 | 01/10/2019 | 04/05/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 20000 U | 99000 | NA | NA | 56000 | 58000 | 45000 | 43000 | NA |
| Ethane | -- | UG/L | 0.5 U | 59.7 | NA | NA | 43.8 | 35 | 17.8 | 21.8 | NA |
| Ethene | -- | UG/L | 1.22 | 21.3 | NA | NA | 3.53 | 1.99 | 0.5 U | 0.597 | 0.544 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 110 | 100 U | NA | NA | 100 U | 414 | 55 J | 61 J | NA |
| Sulfate (As SO ₄) | 250000 | UG/L | 5100000 | 1900000 | NA | NA | 2000000 | 3000000 | 3100000 | 3100000 | NA |
| Total Organic Carbon | -- | UG/L | 34100 | 11000 | 12000 | 14000 | 9600 | 9800 | 7800 | 5800 | 3600 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I | MW-25I |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/08/2019 | 10/03/2019 | 05/28/2020 | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/25/2021 | 01/26/2022 | 04/29/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | 9.89 | NA | NA | NA | 3.86 | 2.57 | NA | 0.618 |
| Ethene | -- | UG/L | 0.5 U | 0.782 | 0.662 | 0.517 | 1.9 | 4.29 | 1.62 | 0.5 U | 0.5 U |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 4200 | 5400 | 5600 | 5400 | 5600 | 5400 | 4200 | 4000 | 3800 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-25I | MW-25I | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|------------------------------|--|------|------------|------------|------------|------------|---------------|----------------|----------------|------------|------------|
| Sample Date: | | | 09/28/2022 | 12/02/2022 | 07/19/2016 | 10/11/2016 | 04/27/2017 | 11/27/2017 | 03/29/2018 | 04/26/2018 | 06/01/2018 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | 89000 | 110000 | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | 68000 | 130000 | 260000 | NA | NA |
| Ethane | -- | UG/L | 2.24 | 6.09 | NA | NA | 37.1 | 5.19 | 10.2 | 11.3 | 7.39 |
| Ethene | -- | UG/L | 4.52 | 6.53 | NA | NA | 129 | 70.3 | 157 | 389 | 371 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | 100 U | 75 J | 100 U | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | 860000 | 3100000 | 1100000 | NA | NA |
| Total Organic Carbon | -- | UG/L | 4200 | 3900 | NA | NA | 23000 | 21400 | 45000 | 57000 | 16000 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 |
|------------------------------|--|------|---------------|---------------|----------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 07/02/2018 | 10/09/2018 | 01/11/2019 | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/29/2020 | 10/28/2020 | 10/28/2020 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 86000 | 280000 | 22000 | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | 10.8 | 14.6 | 21.2 | NA | NA | 11.7 | NA | NA | NA |
| Ethene | -- | UG/L | 672 | 3770 | 2240 | 2380 | 2350 | 3250 | 2140 | 2640 | 2440 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 73 J | 58 J | 100 U | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | 980000 | 650000 | 1400000 | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 10800 | 53000 | 10000 | 9100 | 6700 | 8900 | 5800 | 6200 | 6200 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2 | MW-D2I | MW-D2I | MW-D2I |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 01/25/2021 | 04/28/2021 | 10/28/2021 | 04/28/2022 | 09/28/2022 | 12/02/2022 | 07/19/2016 | 10/11/2016 | 10/11/2016 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | FD |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | 89000 | 99000 | 99000 |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | 116 | 43.4 | 71.7 | 46.7 | 53.3 | NA | NA | NA |
| Ethene | -- | UG/L | 3300 | 3060 | 2110 | 157 | 198 | 631 | NA | NA | NA |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 140000 | 160000 | 8700 | 20000 | 9200 | 8400 | NA | NA | NA |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|------------------------------|--|------|---------------|----------------|---------------|------------|------------|---------------|---------------|---------------|----------------|
| Sample Date: | | | 04/27/2017 | 11/27/2017 | 03/29/2018 | 04/26/2018 | 06/01/2018 | 07/02/2018 | 10/09/2018 | 10/09/2018 | 01/11/2019 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | FD | N |
| Parameter | NYSDEC Ambient Water-Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | 43000 | 120000 | 75000 | NA | NA | 21000 | 60000 | 30000 | 31000 |
| Ethane | -- | UG/L | 1.22 | 0.5 U | 15.1 | NA | NA | 22.9 | 21.8 | 20.8 | 6.43 |
| Ethene | -- | UG/L | 157 | 2.45 | 49.6 | NA | NA | 93.2 | 82.5 | 76.5 | 24.4 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | 110 | 316 | 100 U | NA | NA | 100 U | 100 U | 33 J | 37 J |
| Sulfate (As SO4) | 250000 | UG/L | 360000 | 8700000 | 990000 | NA | NA | 630000 | 940000 | 960000 | 2200000 |
| Total Organic Carbon | -- | UG/L | 14000 | 24000 | 8700 | 8200 | 5200 | 3740 | 4400 | 4400 | 770 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| Sample Designation: | | | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I | MW-D2I |
|------------------------------|--|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample Date: | | | 04/05/2019 | 07/08/2019 | 10/04/2019 | 05/28/2020 | 10/27/2020 | 01/25/2021 | 04/28/2021 | 10/28/2021 | 01/26/2022 |
| Normal or Field Duplicate: | | | N | N | N | N | N | N | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | | | | | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Ethane | -- | UG/L | NA | NA | 13.1 | NA | NA | NA | 27.7 | 50.9 | NA |
| Ethene | -- | UG/L | 28.8 | 123 | 212 | 142 | 213 | 104 | 37.9 | 196 | 14.6 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 2600 | 2500 | 3400 | 2400 | 3100 | 600000 | 180000 | 580000 | 1400000 |

Table 4. Summary of General Chemistry in Groundwater, 60-66 Gerry Street, Brooklyn, New York

| | | Sample Designation: | MW-D2I | MW-D2I | MW-D2I |
|------------------------------|--|----------------------------|------------|------------|------------|
| | | Sample Date: | 04/29/2022 | 09/28/2022 | 12/02/2022 |
| | | Normal or Field Duplicate: | N | N | N |
| Parameter | NYSDEC Ambient Water- Quality Guidance Values | Unit | | | |
| Chloride (As Cl) | 250000 | UG/L | NA | NA | NA |
| COD - Chemical Oxygen Demand | -- | UG/L | NA | NA | NA |
| Ethane | -- | UG/L | 12.1 | 42.7 | 30.2 |
| Ethene | -- | UG/L | 23.2 | 42 | 25 |
| Nitrogen, Nitrate (As N) | 10000 | UG/L | NA | NA | NA |
| Sulfate (As SO4) | 250000 | UG/L | NA | NA | NA |
| Total Organic Carbon | -- | UG/L | 580000 | 120000 | 57000 |

Semi-Annual Progress Report – May 2022 to December 2022
Former Pfizer Inc Site D – Operable Unit 1 (OU-1)
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

APPENDIX A

Well Sampling Data

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-D2 Weather: 65 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 16.36 Water Column (ft): 7.11

Depth to Water(ft): 9.25 Volume of Water in Well (gal): 1.16

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3

| | | | | | |
|-------------------|-------|--------------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 9:22:00 AM Purge Rate: 100 mL/min

End Purging: 10:10:00 AM Volume of Water Removed (gal): 3

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Dark gray to light gray (Micro ZVI)

Samples Collected:
(analyses / no. bottles) VOCs, Dissolved gases, TOC
8 bottles

Time: 10:05 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|-----------------------------------|
| 9:25 | 10.18 | 100 | -107 | 2.36 | +800 | 6.01 | 16.22 | 0.82 |
| 9:30 | 9.91 | 100 | -118 | 2.48 | 554.0 | 6.06 | 16.88 | 0.04 |
| 9:35 | 9.91 | 100 | -171 | 1.58 | +800 | 6.51 | 17.18 | 0.00 |
| 9:40 | 9.91 | 100 | -182 | 1.54 | 705.0 | 6.56 | 17.14 | 0.00 |
| 9:45 | 9.91 | 100 | -194 | 1.52 | 763.0 | 6.60 | 17.15 | 0.00 |
| 9:50 | 9.91 | 100 | -203 | 1.49 | +800 | 6.67 | 17.01 | 0.00 |
| 9:55 | 9.91 | 100 | -215 | 1.44 | 688.0 | 6.77 | 16.97 | 0.00 |
| 10:00 | 9.91 | 100 | -213 | 1.43 | 679.0 | 6.79 | 16.87 | 0.00 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-D2I Weather: 55 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 16.36 Water Column (ft): 7.11

Depth to Water(ft): 9.25 Volume of Water in Well (gal): 1.16

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 7:35:00 AM Purge Rate: 100-150 mL/min

End Purging: 9:15:00 AM Volume of Water Removed (gal): 4

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Dark gray (Micro ZVI)

Samples Collected: VOCs, Dissolved gases, TOC
(analyses / no. bottles) 8 bottles

Time: 9:10 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 7:40 | 14.80 | 150 | -127 | 1.09 | 580 | 5.44 | 15.37 | 0.54 |
| 7:43 | 15.10 | 150 | -127 | 1.09 | 642.0 | 5.29 | 15.35 | 0.21 |
| 7:46 | 15.88 | 100 | -138 | 1.09 | +800 | 5.31 | 15.29 | 0.00 |
| 7:49 | 16.56 | 100 | -142 | 1.08 | +800 | 5.25 | 15.17 | 0.00 |
| 8:11 | 18.72 | 100 | -170 | 1.42 | 542.0 | 5.27 | 14.53 | 0.00 |
| 8:16 | 18.91 | 100 | -175 | 1.50 | 494 | 5.33 | 14.54 | 0.00 |
| 8:24 | 19.12 | 100 | -182 | 1.51 | 443.0 | 5.43 | 14.49 | 0.00 |
| 8:29 | 19.12 | 100 | -184 | 1.49 | 404.0 | 5.46 | 14.54 | 0.00 |
| 8:34 | 19.13 | 100 | -185 | 1.57 | 378.0 | 5.45 | 14.60 | 0.00 |
| 8:42 | 19.13 | 100 | -184 | 1.63 | 360 | 5.44 | 14.64 | 0.00 |
| 8:49 | 19.13 | 100 | -185 | 1.75 | 344.0 | 5.48 | 14.64 | 0.00 |
| 8:55 | 19.13 | 100 | -187 | 1.80 | 330.0 | 5.52 | 14.74 | 0.00 |
| 9:10 | | 100 | -194 | 1.85 | 301 | 5.53 | 14.88 | 0.00 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-10 Weather: 60 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: AI Well Diameter / Type: 2" flush mount

Depth of Well (ft): 19.84 Water Column (ft): 10.33

Depth to Water(ft): 9.51 Volume of Water in Well (gal): 1.69

Depth to Product (ft): N/A Volume of Water to Remove (gal): 5

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 10:25:00 AM Purge Rate: 200 mL/min

End Purging: 11:15:00 AM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs, Dissolved gases, TOC
(analyses / no. bottles) 16 bottles, DUP_09282022 @ 1200

Time: 11:05 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 10:32 | 9.74 | 200 | -210 | 2.090 | 8.7 | 7.12 | 14.99 | 1.15 |
| 10:37 | 9.75 | 200 | -208 | 2.060 | 0.0 | 6.94 | 14.82 | 0.58 |
| 10:42 | 9.77 | 200 | -203 | 2.020 | 0.0 | 6.84 | 14.74 | 0.53 |
| 10:47 | 9.77 | 200 | -202 | 1.980 | 0.0 | 6.83 | 14.70 | 0.52 |
| 10:52 | 9.77 | 200 | -218 | 1.990 | 0.0 | 7.08 | 14.71 | 0.58 |
| 10:57 | 9.74 | 200 | -219 | 1.950 | 0.0 | 7.12 | 14.71 | 0.54 |
| 11:02 | 9.74 | 200 | -219 | 1.910 | 0.0 | 7.11 | 14.63 | 0.57 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-19 Weather: 70 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: AI Well Diameter / Type: 2" flush mount

Depth of Well (ft): 15.38 Water Column (ft): 6.63

Depth to Water(ft): 8.75 Volume of Water in Well (gal): 1.08

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 11:38:00 AM Purge Rate: 200 mL/min

End Purging: 12:25:00 PM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear / light brown

Samples Collected: VOCs, Dissolved gases, TOC
(analyses / no. bottles) 8 bottles

Time: 12:20 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 11:45 | 9.07 | 200 | 12 | 1.33 | 0.0 | 6.42 | 17.91 | 6.29 |
| 11:50 | 9.10 | 200 | 36 | 1.32 | 0.0 | 6.37 | 18.13 | 3.57 |
| 11:55 | 8.98 | 200 | 45 | 1.31 | 0.0 | 6.36 | 18.15 | 3.50 |
| 12:00 | 8.97 | 200 | 47 | 1.32 | 0.0 | 6.41 | 18.18 | 3.44 |
| 12:05 | 9.00 | 200 | 48 | 1.32 | 0.0 | 6.48 | 18.21 | 3.48 |
| 12:10 | 9.00 | 200 | 51 | 1.34 | 0.0 | 6.47 | 18.23 | 4.10 |
| 12:15 | 9.04 | 200 | 53 | 1.34 | 0.0 | 6.48 | 18.25 | 4.07 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-20 Weather: 60 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: AI Well Diameter / Type: 2" flush mount

Depth of Well (ft): 18.82 Water Column (ft): 9.59

Depth to Water(ft): 9.23 Volume of Water in Well (gal): 1.57

Depth to Product (ft): N/A Volume of Water to Remove (gal): 5

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 9:22:00 AM Purge Rate: 200 mL/min

End Purging: 10:05:00 AM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear / gray

Samples Collected: VOCs, Dissolved gases, TOC

(analyses / no. bottles) 8 bottles

Time: 10:00 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 9:30 | 9.72 | 200 | -171 | 2.430 | 0.0 | 7.00 | 15.32 | 4.20 |
| 9:35 | 9.73 | 200 | -184 | 2.330 | 0.0 | 6.93 | 15.36 | 0.64 |
| 9:40 | 9.71 | 200 | -194 | 2.220 | 0.0 | 6.89 | 15.31 | 0.57 |
| 9:45 | 9.72 | 200 | -197 | 2.140 | 0.0 | 6.85 | 15.28 | 0.54 |
| 9:50 | 9.71 | 200 | -199 | 2.080 | 0.0 | 6.83 | 15.25 | 0.53 |
| 9:55 | 9.72 | 200 | -202 | 2.050 | 0.0 | 6.83 | 15.3 | 0.52 |
| 10:00 | 9.73 | 200 | -205 | 2.010 | 0.0 | 6.9 | 15.28 | 0.63 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-21 Weather: 65 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 23.10 Water Column (ft): 14.19

Depth to Water(ft): 8.91 Volume of Water in Well (gal): 2.32

Depth to Product (ft): N/A Volume of Water to Remove (gal): 7

| | | | | | |
|-------------------|-------|--------------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 12:00:00 PM Purge Rate: 200 mL/min

End Purging: 12:35:00 PM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear

Samples Collected: VOCs, Dissolved gases, TOC

(analyses / no. bottles) 8 bottles

Time: 12:30 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 12:05 | 8.98 | 200 | -65 | 1.06 | 180.0 | 6.12 | 18.39 | 0.06 |
| 12:10 | 8.97 | 200 | -63 | 1.07 | 117.0 | 6.09 | 18.42 | 0.00 |
| 12:15 | 8.96 | 200 | -59 | 1.08 | 56.6 | 6.09 | 18.42 | 0.00 |
| 12:20 | 8.96 | 200 | -55 | 1.08 | 1.8 | 6.05 | 18.41 | 0.00 |
| 12:25 | 8.96 | 200 | -57 | 1.08 | 0.0 | 6.09 | 18.40 | 0.00 |
| 12:30 | 8.96 | 200 | -59 | 1.09 | 0.0 | 6.15 | 18.41 | 0.00 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-23 Weather: 65 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 24.90 Water Column (ft): 14.87

Depth to Water(ft): 10.03 Volume of Water in Well (gal): 2.43

Depth to Product (ft): N/A Volume of Water to Remove (gal): 7

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 11:09:00 AM Purge Rate: 200 mL/min

End Purging: 11:42:00 AM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected: VOCs, Dissolved gases, TOC
(analyses / no. bottles) 8 bottles

Time: 11:37 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 11:12 | 10.11 | 200 | 5 | 1.10 | 29 | 6.31 | 17.56 | 4.94 |
| 11:17 | 10.10 | 200 | -10 | 1.09 | 11.3 | 6.28 | 17.67 | 0.21 |
| 11:22 | 10.11 | 200 | -10 | 1.09 | 0 | 6.23 | 17.74 | 0.00 |
| 11:27 | 10.11 | 200 | -21 | 1.08 | 0.0 | 6.27 | 17.82 | 0.00 |
| 11:32 | 10.11 | 200 | -24 | 1.08 | 0.0 | 6.31 | 17.87 | 0.00 |
| 11:37 | 10.11 | 200 | -22 | 1.08 | 0.0 | 6.28 | 17.88 | 0.00 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-241 Weather: 60 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: AI Well Diameter / Type: 2" flush mount

Depth of Well (ft): 20.40 Water Column (ft): 12.13

Depth to Water(ft): 8.27 Volume of Water in Well (gal): 1.98

Depth to Product (ft): N/A Volume of Water to Remove (gal): 6

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 8:08:00 AM Purge Rate: 200 mL/min

End Purging: 9:00:00 AM Volume of Water Removed (gal): 5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: Clear / dark gray

Samples Collected: VOCs, Dissolved gases, TOC
(analyses / no. bottles) 8 bottles

Time: 8:55 Laboratory: Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 8:15 | 8.37 | 200 | -153 | 1.58 | 255.0 | 6.63 | 14.05 | 0.79 |
| 8:20 | 8.35 | 200 | -189 | 1.61 | 236.0 | 6.53 | 14.25 | 0.75 |
| 8:25 | 8.36 | 200 | -191 | 1.60 | 109.0 | 6.42 | 14.26 | 0.80 |
| 8:30 | 8.28 | 200 | -200 | 1.61 | 70.2 | 6.46 | 14.31 | 0.71 |
| 8:35 | 8.36 | 200 | -206 | 1.61 | 167.0 | 6.55 | 14.33 | 0.68 |
| 8:40 | 8.38 | 200 | -220 | 1.52 | 97.2 | 6.75 | 14.79 | 0.66 |
| 8:45 | 8.37 | 200 | -232 | 1.62 | 128.0 | 7.05 | 14.36 | 0.80 |
| 8:50 | 8.37 | 200 | -235 | 1.63 | 87.7 | 9.97 | 14.29 | 0.65 |
| 8:55 | 8.41 | 200 | -236 | 1.63 | 44.3 | 6.99 | 14.29 | 0.66 |

Well Sampling Data Form

Client: Pfizer **Project Number:** 0047.0044Y047

Site Location: Former Pfizer Site B&D - 60-66 Gerry Street, Brooklyn, NY

Well No: MW-251 Weather: 65 degrees, sunny

Date: 9/28/2022 Purge Water Disposal: 55 Gallon Drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 22.22 Water Column (ft): 13.21

Depth to Water(ft): 9.01 Volume of Water in Well (gal): 2.16

Depth to Product (ft): N/A Volume of Water to Remove (gal): 6

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 10:16:00 AM Purge Rate: 150 mL/min

End Purging: 10:50:00 AM Volume of Water Removed (gal): 4

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/ Comments: light gray to clear

Samples Collected: VOCs, Dissolved gases, TOC

(analyses / no. bottles) 24 bottles, MS/MSD

Time: 10:45 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV (+/- 10 mV) | Conductivity mS/m - S/m (w/in 3%) | Turbidity NTU (w/in %10) | pH SU (+/- 0.1) | Temperature C° - F° (w/in 3%) | Dissolved O ₂ mg/L (w/in 10%) |
|-------|-----------|---------------------|--------------------------|---|--------------------------------|-----------------------|-------------------------------------|--|
| 10:20 | 9.31 | 150 | -78 | 1.37 | +800 | 6.26 | 16.09 | 0.92 |
| 10:25 | 9.31 | 150 | -82 | 1.34 | 7.6 | 6.13 | 15.41 | 0.00 |
| 10:30 | 9.31 | 150 | -83 | 1.34 | 0.0 | 6.09 | 15.33 | 0.00 |
| 10:35 | 9.30 | 150 | -87 | 1.34 | 0.0 | 6.07 | 15.24 | 0.00 |
| 10:40 | 9.29 | 150 | -89 | 1.34 | 0.0 | 6.06 | 15.20 | 0.00 |
| 10:45 | 9.28 | 150 | -90 | 1.34 | 0.0 | 6.06 | 15.21 | 0.00 |

Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-23 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 24.90 Water Column (ft): 15.00

Depth to Water(ft): 9.90 Volume of Water in Well (gal): 2.45

Depth to Product (ft): N/A Volume of Water to Remove (gal): 5

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 12:00 Purge Rate: 150 mL/min

End Purging: 12:35 Volume of Water Removed (gal): >4.89630305031359

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) VOCs, TOC, Diss. Gas

Time: 12:30 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV <small>(+/- 10 mV)</small> | Conductivity mS/m - S/m <small>(w/in 3%)</small> | Turbidity NTU <small>(w/in %10)</small> | pH SU <small>(+/- 0.1)</small> | Temperature C° <small>(w/in 3%)</small> | Dissolved O ₂ mg/L <small>(w/in 10%)</small> |
|-------|-----------|---------------------|---|--|---|--------------------------------------|---|---|
| 12:05 | 9.92 | 150 | -55 | 1.13 | 8.1 | 5.71 | 7.22 | 3.96 |
| 12:10 | 9.92 | 150 | -45 | 1.11 | 5.1 | 5.67 | 7.34 | 4.16 |
| 12:15 | 9.92 | 150 | -43 | 1.11 | 2.0 | 5.66 | 17.47 | 4.05 |
| 12:20 | 9.92 | 150 | -44 | 1.11 | 1.8 | 5.68 | 17.46 | 4.00 |
| 12:25 | 9.92 | 150 | -44 | 1.11 | 1.7 | 5.69 | 17.63 | 3.92 |
| 12:30 | 9.92 | 150 | -43 | 1.11 | 1.8 | 5.70 | 17.53 | 3.90 |
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Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-10 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: SL Well Diameter / Type: 2" flush mount

Depth of Well (ft): 19.84 Water Column (ft): 10.18

Depth to Water(ft): 9.66 Volume of Water in Well (gal): 1.66

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 11:15 Purge Rate: 200 mL/min

End Purging: 12:00 Volume of Water Removed (gal): >3

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) NYTCL-8260/2, TOC/3, Diss. Gas/2

Time: 11:50 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP | Conductivity | Turbidity | pH | Temperature | Dissolved O ₂ |
|-------|-----------|---------------------|-------------|--------------|------------|-----------|-------------|--------------------------|
| | | | mV | mS/m - S/m | NTU | SU | C° | mg/L |
| | | | (+/- 10 mV) | (w/in 3%) | (w/in %10) | (+/- 0.1) | (w/in 3%) | (w/in 10%) |
| 11:15 | 9.66 | 200 | 8 | 1.78 | 188.0 | 5.98 | 15.54 | 1.20 |
| 11:20 | 9.66 | 200 | 8 | 1.75 | 153.0 | 5.95 | 15.55 | 0.84 |
| 11:25 | 9.66 | 200 | -25 | 1.74 | 60.6 | 5.96 | 15.57 | 0.65 |
| 11:30 | 9.66 | 200 | -26 | 1.75 | 38.3 | 5.96 | 15.34 | 0.63 |
| 11:35 | 9.66 | 200 | -42 | 1.76 | 26.4 | 5.96 | 15.01 | 0.45 |
| 11:40 | 9.66 | 200 | -42 | 1.75 | 20.3 | 5.95 | 14.7 | 0.29 |
| 11:45 | 9.66 | 200 | -40 | 1.75 | 20.0 | 5.95 | 14.65 | 0.12 |
| 11:50 | 9.66 | 200 | -40 | 1.75 | 19.8 | 5.95 | 14.65 | 0.11 |
| | | | | | | | | |
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Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-20 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: SL Well Diameter / Type: 2" flush mount

Depth of Well (ft): 19.10 Water Column (ft): 9.78

Depth to Water(ft): 9.32 Volume of Water in Well (gal): 1.59

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 10:25 Purge Rate: 200 mL/min

End Purging: 11:05 Volume of Water Removed (gal): >3

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear, no odor

Samples Collected:
(analyses / no. bottles) NYTCL-8260/2, TOC/3, Diss. Gas/2

Time: 11:00 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP | Conductivity | Turbidity | pH | Temperature | Dissolved O ₂ |
|-------|-----------|---------------------|-------------|--------------|------------|-----------|-------------|--------------------------|
| | | | mV | mS/m - S/m | NTU | SU | C° | mg/L |
| | | | (+/- 10 mV) | (w/in 3%) | (w/in %10) | (+/- 0.1) | (w/in 3%) | (w/in 10%) |
| 10:30 | 9.32 | 200 | 186 | 1.89 | 40.5 | 5.94 | 16.76 | 8.20 |
| 10:35 | 9.32 | 200 | 95 | 1.91 | 30.4 | 5.94 | 16.51 | 8.60 |
| 10:40 | 9.32 | 200 | 19 | 1.90 | 16.2 | 5.93 | 16.41 | 6.00 |
| 10:45 | 9.32 | 200 | -22 | 1.88 | 9.6 | 5.94 | 16.37 | 14.70 |
| 10:50 | 9.32 | 200 | -45 | 1.86 | 6.9 | 5.95 | 16.13 | 1.30 |
| 10:55 | 9.32 | 200 | -51 | 1.84 | 6.6 | 5.96 | 16.18 | 0.00 |
| 11:00 | 9.32 | 200 | -55 | 1.83 | 4.1 | 5.96 | 16.13 | 0.00 |
| | | | | | | | | |
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Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-21 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: SL Well Diameter / Type: 2" flush mount

Depth of Well (ft): 23.10 Water Column (ft): 14.32

Depth to Water(ft): 8.78 Volume of Water in Well (gal): 2.34

Depth to Product (ft): N/A Volume of Water to Remove (gal): 5

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 9:10 Purge Rate: 200 mL/min

End Purging: 9:55 Volume of Water Removed (gal): >5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear, no odor

Samples Collected:
(analyses / no. bottles) NYTCL-8260/2, TOC/3, Diss. Gas/2

Time: 9:50 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP | Conductivity | Turbidity | pH | Temperature | Dissolved O ₂ |
|------|-----------|---------------------|-------------------|-------------------------|-------------------|-----------------|-----------------|--------------------------|
| | | | mV (+/- 10 mV) | mS/m - S/m (w/in 3%) | NTU (w/in %10) | SU (+/- 0.1) | C° (w/in 3%) | mg/L (w/in 10%) |
| 9:15 | 8.78 | 200 | 422 | 0.736 | 78.3 | 5.85 | 16.92 | 2.3 |
| 9:20 | 8.78 | 200 | 422 | 0.844 | 58.7 | 5.87 | 16.92 | 2.0 |
| 9:25 | 8.78 | 200 | 388 | 0.857 | 25.6 | 5.88 | 17.38 | 4.7 |
| 9:30 | 8.78 | 200 | 367 | 0.866 | 14.4 | 5.88 | 17.49 | 4.7 |
| 9:35 | 8.78 | 200 | 327 | 0.882 | 10.5 | 5.89 | 17.67 | 5.6 |
| 9:40 | 8.78 | 200 | 308 | 0.890 | 10.7 | 5.89 | 17.67 | 9.8 |
| 9:45 | 8.78 | 200 | 299 | 0.908 | 7.1 | 5.89 | 17.67 | 0.0 |
| 9:50 | 8.78 | 200 | 286 | 0.91 | 5.0 | 5.89 | 17.68 | 0.0 |
| | | | | | | | | |
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Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-19 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: SL Well Diameter / Type: 2" flush mount

Depth of Well (ft): 15.38 Water Column (ft): 6.73

Depth to Water(ft): 8.65 Volume of Water in Well (gal) 1.10

Depth to Product (ft): N/A Volume of Water to Remove (gal): 2

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 7:55 Purge Rate: 200 mL/min

End Purging: 8:55 Volume of Water Removed (gal): ~ 2

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) NYTCL-8260/2 (one vial broken), TOC/3, Diss. Gas/2
Duplicate sample collected

Time: 8:40 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV <small>(+/- 10 mV)</small> | Conductivity mS/m - S/m <small>(w/in 3%)</small> | Turbidity NTU <small>(w/in %10)</small> | pH SU <small>(+/- 0.1)</small> | Temperature C° <small>(w/in 3%)</small> | Dissolved O ₂ mg/L <small>(w/in 10%)</small> |
|------|-----------|---------------------|---|--|---|--------------------------------------|---|---|
| 7:55 | 8.65 | 200 | 398 | 0.679 | 61.6 | 5.81 | 17.26 | 32.3 |
| 8:00 | 8.65 | 200 | 400 | 0.681 | 69.8 | 5.81 | 17.11 | 36.9 |
| 8:05 | 8.65 | 200 | 402 | 0.688 | 68.6 | 5.82 | 17.03 | 37.7 |
| 8:10 | 8.65 | 200 | 405 | 0.700 | 49.1 | 5.83 | 16.55 | 28.0 |
| 8:15 | 8.67 | 200 | 408 | 0.715 | 16.3 | 5.83 | 16.10 | 20.8 |
| 8:20 | 8.68 | 200 | 411 | 0.701 | 12.0 | 5.82 | 16.13 | 12.1 |
| 8:25 | 8.68 | 200 | 412 | 0.697 | 10.6 | 5.83 | 16.54 | 7.5 |
| 8:30 | 8.68 | 200 | 414 | 0.702 | 8.5 | 5.83 | 16.58 | 7.4 |
| 8:35 | 8.69 | 200 | 416 | 0.706 | 6.9 | 5.83 | 16.61 | 0.0 |
| 8:40 | 8.70 | 200 | 415 | 0.704 | 4.8 | 5.83 | 16.61 | 0.0 |

Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-251 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 22.41 Water Column (ft): 13.41

Depth to Water(ft): 9.00 Volume of Water in Well (gal): 2.19

Depth to Product (ft): N/A Volume of Water to Remove (gal): 4

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 11:13 Purge Rate: 150

End Purging: 11:45 Volume of Water Removed (gal): ~5

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) VOC, TOC, Ethene

Time: 11:40 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV <small>(+/- 10 mV)</small> | Conductivity mS/m - S/m <small>(w/in 3%)</small> | Turbidity NTU <small>(w/in %10)</small> | pH SU <small>(+/- 0.1)</small> | Temperature C° <small>(w/in 3%)</small> | Dissolved O ₂ mg/L <small>(w/in 10%)</small> |
|-------|-----------|---------------------|---|--|---|--------------------------------------|---|---|
| 11:15 | 9.18 | 150 | -64 | 1.28 | 27.5 | 5.69 | 15.29 | 4.02 |
| 11:20 | 9.18 | 150 | -66 | 1.28 | 20.0 | 5.70 | 15.35 | 4.08 |
| 11:25 | 9.18 | 150 | -68 | 1.28 | 11.7 | 5.74 | 15.5 | 4.18 |
| 11:30 | 9.18 | 150 | -75 | 1.29 | 7.3 | 5.74 | 15.67 | 4.11 |
| 11:35 | 9.18 | 150 | -77 | 1.29 | 6.8 | 5.74 | 15.58 | 4.13 |
| 11:40 | 9.18 | 150 | -78 | 1.29 | 6.2 | 5.72 | 15.65 | 4.05 |
| | | | | | | | | |
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Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-241 Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 20.35 Water Column (ft): 12.07

Depth to Water(ft): 8.28 Volume of Water in Well (gal): 1.97

Depth to Product (ft): N/A Volume of Water to Remove (gal): 3.9

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 10:07 Purge Rate: 150

End Purging: 11:05 Volume of Water Removed (gal): ~4

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Clear

Samples Collected:
(analyses / no. bottles) VOC, TOC, Ethene

Time: 10:50 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV <small>(+/- 10 mV)</small> | Conductivity mS/m - S/m <small>(w/in 3%)</small> | Turbidity NTU <small>(w/in %10)</small> | pH SU <small>(+/- 0.1)</small> | Temperature C° <small>(w/in 3%)</small> | Dissolved O ₂ mg/L <small>(w/in 10%)</small> |
|-------|-----------|---------------------|---|--|---|--------------------------------------|---|---|
| 10:15 | 8.32 | 150 | -85 | 1.56 | 49.6 | 5.82 | 16.2 | 4.95 |
| 10:20 | 8.32 | 150 | -93 | 1.58 | 18.7 | 5.85 | 16.32 | 5.00 |
| 10:25 | 8.32 | 150 | -95 | 1.57 | 15.1 | 5.83 | 16.33 | 4.96 |
| 10:30 | 8.32 | 150 | -97 | 1.56 | 12.2 | 5.83 | 16.38 | 4.90 |
| 10:35 | 8.32 | 150 | -100 | 1.56 | 10.5 | 5.83 | 16.45 | 4.86 |
| 10:40 | 8.32 | 150 | -103 | 1.55 | 8.6 | 5.83 | 16.37 | 4.83 |
| 10:45 | 8.32 | 150 | -104 | 1.54 | 7.1 | 5.82 | 16.40 | 4.80 |
| 10:50 | 8.32 | 150 | -105 | 1.54 | 6.0 | 5.81 | 16.42 | 4.77 |
| | | | | | | | | |
| | | | | | | | | |

Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047
Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N
 Well No: MW-D2 Weather: 40 F, fair
 Date: 12/2/2022 Purge Water Disposal: 55 gallon drum
 Sampled By: JM Well Diameter / Type: 2" flush mount
 Depth of Well (ft): 16.36 Water Column (ft): 7.12
 Depth to Water(ft): 9.24 Volume of Water in Well (gal) 1.16
 Depth to Product (ft): N/A Volume of Water to Remove (gal): 2

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

 Start Purging: 8:50 Purge Rate: 150 mL/min
 End Purging: 10:00 Volume of Water Removed (gal): >2
 Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow
 Physical Appearance/
 Comments: Light grey, turbid from injection fluid
 Samples Collected:
 (analyses / no. bottles) VOC, TOC, Ethene
 Time: 9:55 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP | Conductivity | Turbidity | pH | Temperature | Dissolved O ₂ |
|------|-----------|---------------------|-------------|--------------|------------|-----------|-------------|--------------------------|
| | | | mV | mS/m - S/m | NTU | SU | C° | mg/L |
| | | | (+/- 10 mV) | (w/in 3%) | (w/in %10) | (+/- 0.1) | (w/in 3%) | (w/in 10%) |
| 8:55 | 10.2 | 150 | -101 | 1.12 | 133.0 | 5.89 | 15.44 | 6.11 |
| 9:00 | 10.43 | 150 | -124 | 1.38 | 682.0 | 5.91 | 15.22 | 6.27 |
| 9:05 | 10.61 | 150 | -133 | 1.41 | 381.0 | 5.91 | 15.36 | 6.04 |
| 9:10 | 10.85 | 150 | -154 | 1.52 | 146.0 | 5.90 | 15.49 | 5.99 |
| 9:15 | 10.9 | 150 | -165 | 1.53 | 190.0 | 5.83 | 15.54 | 5.83 |
| 9:20 | 10.9 | 150 | -130 | 1.44 | 63.0 | 5.89 | 15.49 | 5.64 |
| 9:25 | 10.9 | 150 | -152 | 1.57 | 44.2 | 5.89 | 15.27 | 5.55 |
| 9:30 | 10.9 | 150 | -167 | 1.57 | 66.2 | 5.88 | 15.37 | 5.37 |
| 9:35 | 10.7 | 150 | -164 | 1.55 | 137.0 | 5.81 | 15.31 | 5.03 |
| 9:40 | 10.75 | 150 | -172 | 1.54 | 71.2 | 5.84 | 15.35 | 4.91 |
| 9:45 | 10.8 | 150 | -178 | 1.54 | 49.5 | 5.84 | 15.33 | 4.81 |
| 9:50 | 10.8 | 150 | -178 | 1.54 | 41.6 | 5.83 | 15.23 | 4.72 |
| 9:55 | 10.8 | 150 | -179 | 1.54 | 33.0 | 5.83 | 15.33 | 4.70 |

Well Sampling Data Form

Client: Pfizer Inc **Project Number:** 00047.0044Y047

Site Location: Former Pfizer Site B & D - 60- 66 Gerry Street, Brooklyn, N

Well No: MW-D2I Weather: 40 F, fair

Date: 12/2/2022 Purge Water Disposal: 55 gallon drum

Sampled By: JM Well Diameter / Type: 2" flush mount

Depth of Well (ft): 26.52 Water Column (ft): 17.17

Depth to Water(ft): 9.35 Volume of Water in Well (gal) 2.80

Depth to Product (ft): N/A Volume of Water to Remove (gal): 6

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| well diameter: | 1 in | 2 in | 4 in | 6 in | 8 in |
| gallons per foot: | 0.041 | 0.163 | 0.653 | 1.469 | 2.611 |

Start Purging: 7:40 Purge Rate: 150

End Purging: 8:50 Volume of Water Removed (gal): ~6

Method of Purge: Peristaltic Pump Method of Sampling: Low-Flow

Physical Appearance/
Comments: Light grey, turbid from injection fluid

Samples Collected:
(analyses / no. bottles) VOC, TOC, Ethene

Time: 8:45 Laboratory : Alpha Analytical

Field Measurements:

| Time | DTW ft | Flow Rate ml/min | ORP mV <small>(+/- 10 mV)</small> | Conductivity mS/m - S/m <small>(w/in 3%)</small> | Turbidity NTU <small>(w/in %10)</small> | pH SU <small>(+/- 0.1)</small> | Temperature C° <small>(w/in 3%)</small> | Dissolved O ₂ mg/L <small>(w/in 10%)</small> |
|------|-----------|---------------------|---|--|---|--------------------------------------|---|---|
| 7:50 | 10.01 | 150 | -37 | 0.782 | 1000+ | 5.87 | 14.54 | 12.13 |
| 7:55 | 13.80 | 150 | -49 | 0.724 | 862 | 5.85 | 14.79 | 10.55 |
| 8:00 | 14.72 | 150 | -54 | 0.718 | 515 | 5.84 | 15.14 | 9.88 |
| 8:05 | 15.80 | 150 | 62 | 0.731 | 290 | 5.81 | 15.20 | 8.85 |
| 8:10 | 16.34 | 150 | -67 | 0.758 | 353 | 5.83 | 15.12 | 8.58 |
| 8:15 | 17.33 | 150 | -72 | 0.784 | 407 | 5.86 | 15.02 | 8.48 |
| 8:20 | 17.72 | 150 | -75 | 0.862 | 468 | 5.78 | 15.05 | 8.30 |
| 8:25 | 18.35 | 150 | -87 | 1.130 | 721 | 5.79 | 14.91 | 8.12 |
| 8:30 | 18.75 | 150 | -94 | 1.260 | 563 | 5.79 | 14.33 | 8.19 |
| 8:35 | 19.00 | 150 | -98 | 1.340 | 475 | 5.79 | 13.84 | 8.27 |
| 8:40 | 19.35 | 150 | -103 | 1.440 | 387 | 5.80 | 13.56 | 8.20 |
| 8:45 | 19.60 | 150 | -107 | 1.460 | 357 | 5.81 | 13.39 | 8.17 |
| | | | | | | | | |

Semi-Annual Progress Report – May 2022 to December 2022
Former Pfizer Inc Site D – Operable Unit 1 (OU-1)
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

APPENDIX B

Laboratory Analytical Reports



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L2253502

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

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| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2253502-01 | MW-21 | WATER | 60-66 GERRY STREET | 09/28/22 12:30 | 09/28/22 |
| L2253502-02 | MW-23 | WATER | 60-66 GERRY STREET | 09/28/22 11:37 | 09/28/22 |
| L2253502-03 | MW-19 | WATER | 60-66 GERRY STREET | 09/28/22 12:20 | 09/28/22 |
| L2253502-04 | MW-25I | WATER | 60-66 GERRY STREET | 09/28/22 10:45 | 09/28/22 |
| L2253502-05 | MW-20 | WATER | 60-66 GERRY STREET | 09/28/22 10:00 | 09/28/22 |
| L2253502-06 | MW-24I | WATER | 60-66 GERRY STREET | 09/28/22 08:55 | 09/28/22 |
| L2253502-07 | MW-D2 | WATER | 60-66 GERRY STREET | 09/28/22 10:05 | 09/28/22 |
| L2253502-09 | MW-D2I | WATER | 60-66 GERRY STREET | 09/28/22 09:10 | 09/28/22 |
| L2253502-10 | MW-10 | WATER | 60-66 GERRY STREET | 09/28/22 11:05 | 09/28/22 |
| L2253502-11 | FB_09282022 | WATER | 60-66 GERRY STREET | 09/28/22 11:01 | 09/28/22 |
| L2253502-12 | DUP_09282022 | WATER | 60-66 GERRY STREET | 09/28/22 12:00 | 09/28/22 |
| L2253502-13 | TB_09282022 | WATER | 60-66 GERRY STREET | 09/26/22 00:00 | 09/28/22 |

Project Name: FORMER PFIZER INC SITE B&D
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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.

Project Name: FORMER PFIZER INC SITE B&D
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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.

Sample Receipt

The analyses performed were specified by the client

Dissolved Gases

The WG1694803-4/-5 MS/MSD recoveries, performed on L2253502-04, are outside the acceptance criteria for methane (260%/278%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

The WG1695311-5 MS recovery, performed on L2253502-11, is outside the acceptance criteria for methane (124%); however, the associated LCS recovery is within overall method allowances.

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: *Melissa Sturgis*

Report Date: 10/04/22

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



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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



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Data Qualifiers

the identification is based on a mass spectral library search.

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

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 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
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 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 : L2253502

Received : 28-SEP-2022

Reviewer : Sarah Hayward-Savage

Account Name : Roux Env. Eng. & Geology, DPC

Project Number : 0047.0044Y047

Project Name : FORMER PFIZER INC SITE B&D

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

| Cooler | Seal/Seal# | Preservation | Temperature(°C) | Additional Information |
|--------|------------|--------------|-----------------|------------------------|
| A | Absent/ | Ice | 2.8 | |

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 sample labels & COC? **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
Oct 04 2022, 04:06 pm

Login Number: L2253502

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 28SEP22 Due Date: 04OCT22

| Sample # | Client ID | Mat PR Collected |
|--|-----------|--------------------|
| L2253502-01 | MW-21 | 1 S0 28SEP22 12:30 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built ASP-B Package Due Date: 10/04/22 | | |
| ASP-B, DISSGAS, E&I-FEE, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-02 | MW-23 | 1 S0 28SEP22 11:37 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-03 | MW-19 | 1 S0 28SEP22 12:20 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-04 | MW-25I | 1 S0 28SEP22 10:45 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built L2253502-04 MS L2253502-04 MSD Package Due Date: 10/04/22 | | |
| DISSGAS, MS/MSD, NYTCL-8260, TOC-9060-PPB | | |

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 04 2022, 04:06 pm

Login Number: L2253502

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 28SEP22 Due Date: 04OCT22

| Sample # | Client ID | Mat PR Collected |
|--|-----------|--------------------|
| L2253502-05 | MW-20 | 1 S0 28SEP22 10:00 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-06 | MW-24I | 1 S0 28SEP22 08:55 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-07 | MW-D2 | 1 S0 28SEP22 10:05 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-09 | MW-D2I | 1 S0 28SEP22 09:10 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 04 2022, 04:06 pm

Login Number: L2253502

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 28SEP22 Due Date: 04OCT22

| Sample # | Client ID | Mat PR Collected |
|---|--------------|--------------------|
| L2253502-10 | MW-10 | 1 S0 28SEP22 11:05 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-11 | FB_09282022 | 1 S0 28SEP22 11:01 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-12 | DUP_09282022 | 1 S0 28SEP22 12:00 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| DISSGAS, NYTCL-8260, TOC-9060-PPB | | |
| L2253502-13 | TB_09282022 | 1 S0 26SEP22 00:00 |
| DISSGAS: Methane, ethane, and ethene Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built Package Due Date: 10/04/22 | | |
| NYTCL-8260 | | |



NEW YORK CHAIN OF CUSTODY

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

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 of
 2

Date Rec'd in Lab **9/28/22**

L2253502
 ALPHA Job # **2253502 SHS 9/29**

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

Project Information
 Project Name: Former Pfizer Inc Site B & D
 Project Location: 60-66 Gerry Street, Brooklyn, NY
 Project #: 0047.0044Y047
 (Use Project name as Project #)

Deliverables
 ASP-A ASP-B
 EQUIS (1 File) EQUIS (4 File)
 Other

Billing Information
 Same as Client Info
 PO #

Client Information
 Client: Roux
 Address: 209 Shafter Street
 Islandia, NY 11749
 Phone: 631-232-2600
 Fax:
 Email: jmichaels@rouxinc.com

Project Manager: Julia Michaels
 ALPHAQuote #:

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

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

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

These samples have been previously analyzed by Alpha
 Other project specific requirements/comments:
 Please specify Metals or TAL.

ANALYSIS

| TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | |
|---------------------|-----|-----------------|--|--|--|--|--|--|--|
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |

Sample Filtration
 Done
 Lab to do
Preservation
 Lab to do
 (Please Specify below)
 Sample Specific Comments

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | | | | | | Total Bottles | | |
|-----------------------------|-----------|------------|---------------------|---------------|--------------------|---------------------|-----|-----------------|--|--|--|--|--|--|--|--|--|--|--|---------------|---|----|
| | | Date | Time | | | | | | | | | | | | | | | | | | | |
| 53502 -01 | MW-21 | 9/28/22 | 12:30 | GW | JM | X | X | X | | | | | | | | | | | | | 8 | |
| -02 | MW-23 | 9/28/22 | 11:37 | GW | JM | X | X | X | | | | | | | | | | | | | | 8 |
| -03 | MW-19 | 9/28/22 | 12:20 | GW | AI | X | X | X | | | | | | | | | | | | | | 8 |
| -04 | MW-25I | 9/28/22 | 10:45 | GW | JM | X | X | X | | | | | | | | | | | | | | 8 |
| -05 | MW-20 | 9/28/22 | 10:00 | GW | AI | X | X | X | | | | | | | | | | | | | | 8 |
| -06 | MW-24I | 9/28/22 | 8:55 | GW | AI | X | X | X | | | | | | | | | | | | | | 8 |
| -07 | MW-D2 | 9/28/22 | 10:00 ^{AI} | GW | JM | X | X | X | | | | | | | | | | | | | | 8 |
| AI - MW-D2I | | | 10:05 | | | | | | | | | | | | | | | | | | | AI |
| -09 SHS -08 | MW-D2I | 9/28/22 | 09:10 | GW | JM | X | X | X | | | | | | | | | | | | | | 8 |
| -10 9/29/22 | MW-10 | 9/28/22 | 11:05 | GW | AI | X | X | X | | | | | | | | | | | | | | 8 |

Preservative Code:
 A = None
 B = HCl
 C = HNO₃
 D = H₂SO₄
 E = NaOH
 F = MeOH
 G = NaHSO₄
 H = Na₂S₂O₃
 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
 Preservative

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.

| Relinquished By: | Date/Time | Received By: | Date/Time |
|--------------------|---------------|--------------------|---------------|
| <i>[Signature]</i> | 9/28/22 13:38 | <i>[Signature]</i> | 9/28/22 13:40 |
| <i>[Signature]</i> | 9/28/22 14:20 | <i>[Signature]</i> | 9/28/22 19:30 |
| <i>[Signature]</i> | 9/28/22 2:15 | <i>[Signature]</i> | 9/28/22 2:15 |
| <i>[Signature]</i> | 9/28/22 2:25 | <i>[Signature]</i> | 9/28/22 2:25 |



**NEW YORK
CHAIN OF
CUSTODY**

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 2
of
2

Date Rec'd
in Lab 9/28/22

ALPHA Job #
L2253502

| | | |
|---|---|---|
| Project Information | Deliverables | Billing Information |
| Project Name: <i>Former Pfizer Inc site B + D</i> | <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B | <input type="checkbox"/> Same as Client Info |
| Project Location: <i>60-66 Gerry, Brooklyn, NY</i> | <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) | PO # |
| Project # <i>0047.0044 Y047</i> | <input type="checkbox"/> Other | |
| Client Information | Regulatory Requirement | Disposal Site Information |
| Client: <i>ROUX</i> | <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 | Please identify below location of applicable disposal facilities. |
| Address: <i>209 Shafter Street Islandia, NY 11749</i> | <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 | Disposal Facility: |
| Phone: <i>631-232-2600</i> | <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other | <input type="checkbox"/> NJ <input type="checkbox"/> NY |
| Fax: | <input type="checkbox"/> NY Unrestricted Use | <input type="checkbox"/> Other: |
| Email: <i>j.michaels@rouxinc.com</i> | <input type="checkbox"/> NYC Sewer Discharge | |
| Turn-Around Time | | |
| Standard <input checked="" type="checkbox"/> Due Date: | | |
| Rush (only if pre approved) <input type="checkbox"/> # of Days: | | |

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | ANALYSIS | | | Sample Filtration | Sample Specific Comments | Total Bottles |
|--------------------------------|---------------------|----------------|--------------|---------------|--------------------|-------------------|----------|-----------------|---|--------------------------|---------------|
| | | Date | Time | | | TCL VOCs USEPA826 | TOC | Methane, Ethene | | | |
| <i>53502</i> | <i>FB_09282022</i> | <i>9/28/22</i> | <i>11:01</i> | <i>GW</i> | <i>JM</i> | <i>X</i> | <i>X</i> | <i>X</i> | <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) | | <i>3</i> |
| <i>-12</i> | <i>DUP_09282022</i> | <i>9/28/22</i> | <i>12:00</i> | <i>GW</i> | <i>AI</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | <i>3</i> |
| <i>-13</i> | <i>TB_09282022</i> | <i>9/26/22</i> | | <i>W</i> | <i>BJ</i> | <i>X</i> | | | | | <i>2</i> |

| | | | | | | | | | | | | |
|---|--|---|------------------------------------|---|--|--|--|--|--|--|--|--|
| Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 Preservative | Relinquished By: <i>Ashley Clark</i> Date/Time: <i>9/28/22 13:38</i> | Received By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 13:24</i> | Relinquished By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 18:20</i> | Received By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 19:30</i> | Relinquished By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 21:15</i> | Received By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 21:15</i> | Relinquished By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 23:25</i> | Received By: <i>Wendy Douglas</i> Date/Time: <i>9/28/22 23:25</i> | 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.) |
|---|--|---|------------------------------------|---|--|--|--|--|--|--|--|--|

Organics

GC VOA Air Analysis

Volatiles QC Summary

**Laboratory Control Sample Summary
Form 3
Volatiles**

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2253502
 Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
 Matrix : WATER
 LCS Sample ID : WG1694803-2 Analysis Date : 09/30/22 13:50 File ID : R0943980
 LCSD Sample ID : Analysis Date : File ID :

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methane | 54.6 | 56.8 | 104 | | | | - | 80-120 | 25 |
| Ethene | 95.5 | 94.0 | 98 | | | | - | 80-120 | 25 |
| Ethane | 102 | 98.5 | 96 | | | | - | 80-120 | 25 |



**Laboratory Control Sample Summary
Form 3
Volatiles**

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2253502
 Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
 Matrix : WATER
 LCS Sample ID : WG1695311-2 Analysis Date : 10/04/22 09:27 File ID : R0944033
 LCSD Sample ID : Analysis Date : File ID :

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methane | 54.6 | 57.2 | 105 | | | | - | 80-120 | 25 |
| Ethene | 95.5 | 94.3 | 99 | | | | - | 80-120 | 25 |
| Ethane | 102 | 98.8 | 96 | | | | - | 80-120 | 25 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-25I | Matrix : WATER |
| Lab Sample ID : L2253502-04 | Analysis Date : 09/30/22 15:25 |
| Matrix Spike : WG1694803-4 | MS Analysis Date : 09/30/22 16:55 |
| Matrix Spike Dup : WG1694803-5 | MSD Analysis Date : 09/30/22 17:15 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------|---------------------|--------------------|-------|------------------------|--------------------|-------|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Methane | 948 | 54.6 | 1090 | 260 Q | 54.6 | 1100 | 278 Q | 1 | 80-120 | 25 |
| Ethene | 4.52 | 95.5 | 94.5 | 94 | 95.5 | 92.6 | 92 | 2 | 80-120 | 25 |
| Ethane | 2.24 | 102 | 95.4 | 91 | 102 | 93.3 | 89 | 2 | 80-120 | 25 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|-----------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : FB_09282022 | Matrix : WATER |
| Lab Sample ID : L2253502-11 | Analysis Date : 10/04/22 10:15 |
| Matrix Spike : WG1695311-5 | MS Analysis Date : 10/04/22 12:25 |
| Matrix Spike Dup : | MSD Analysis Date : |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------|---------------------|--------------------|-------|------------------------|--------------------|----|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Methane | ND | 54.6 | 67.6 | 124 Q | | | | | 80-120 | 25 |
| Ethene | ND | 95.5 | 107 | 112 | | | | | 80-120 | 25 |
| Ethane | ND | 102 | 111 | 108 | | | | | 80-120 | 25 |



Method Blank Summary

Form 4

Volatiles

| | | | |
|---------------|---------------------------------|----------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1694803-3 | Lab File ID | : R0943981 |
| Instrument ID | : AIRLAB9 | | |
| Matrix | : WATER | Analysis Date | : 09/30/22 14:13 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|-------------------|---------------|----------------|
| WG1694803-2LCS | WG1694803-2 | 09/30/22 13:50 |
| MW-25I | L2253502-04 | 09/30/22 15:25 |
| MW-25IMS | WG1694803-4 | 09/30/22 16:55 |
| MW-25IMSD | WG1694803-5 | 09/30/22 17:15 |
| MW-21 | L2253502-01 | 09/30/22 17:31 |
| MW-23 | L2253502-02 | 09/30/22 18:41 |
| MW-19 | L2253502-03 | 09/30/22 18:59 |
| MW-20 | L2253502-05 | 09/30/22 19:17 |
| MW-24I | L2253502-06 | 09/30/22 19:34 |
| MW-D2 | L2253502-07 | 09/30/22 19:52 |
| MW-D2I | L2253502-09 | 09/30/22 20:10 |
| MW-10 | L2253502-10 | 09/30/22 20:28 |
| DUP_09282022 | L2253502-12 | 09/30/22 21:48 |



**Method Blank Summary
Form 4
Volatiles**

| | | | |
|----------------------|--|-----------------------|-------------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1695311-3 | Lab File ID | : R0944034 |
| Instrument ID | : AIRLAB9 | | |
| Matrix | : WATER | Analysis Date | : 10/04/22 09:50 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|--------------------------|----------------------|----------------------|
| WG1695311-2LCS | WG1695311-2 | 10/04/22 09:27 |
| FB_09282022 | L2253502-11 | 10/04/22 10:15 |
| FB_09282022MS | WG1695311-5 | 10/04/22 12:25 |



Volatiles Sample Data

**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-01 | Date Collected | : 09/28/22 12:30 |
| Client ID | : MW-21 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 17:31 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943985 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 704 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | 2.53 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-02 | Date Collected | : 09/28/22 11:37 |
| Client ID | : MW-23 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 18:41 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943986 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 188 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-03 | Date Collected | : 09/28/22 12:20 |
| Client ID | : MW-19 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 18:59 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943987 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Results Summary
Form 1
Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-04 | Date Collected | : 09/28/22 10:45 |
| Client ID | : MW-25I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 15:25 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943982 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 948 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 4.52 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 2.24 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-05 | Date Collected | : 09/28/22 10:00 |
| Client ID | : MW-20 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 19:17 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943988 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 1630 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 11.5 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 25.9 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-06 | Date Collected | : 09/28/22 08:55 |
| Client ID | : MW-24I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 19:34 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943989 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 7750 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 2.89 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 7.94 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-07 | Date Collected | : 09/28/22 10:05 |
| Client ID | : MW-D2 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 19:52 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943990 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 3030 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 198 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 46.7 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-09 | Date Collected | : 09/28/22 09:10 |
| Client ID | : MW-D2I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 20:10 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943991 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 9720 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 42.0 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 42.7 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-10 | Date Collected | : 09/28/22 11:05 |
| Client ID | : MW-10 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 20:28 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943992 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 489 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | 9.99 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | |
|---|--|
| Client : Roux Env. Eng. & Geology, DPC Project Name : FORMER PFIZER INC SITE B&D Lab ID : L2253502-11 Client ID : FB_09282022 Sample Location : 60-66 GERRY STREET Sample Matrix : WATER Analytical Method : 117,- Lab File ID : R0944035 Sample Amount : 0.5 ml Level : LOW Extract Volume (MeOH) : N/A | Lab Number : L2253502 Project Number : 0047.0044Y047 Date Collected : 09/28/22 11:01 Date Received : 09/28/22 Date Analyzed : 10/04/22 10:15 Dilution Factor : 1 Analyst : BJB Instrument ID : AIRLAB9 GC Column : %Solids : N/A Injection Volume : N/A |
|---|--|

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-12 | Date Collected | : 09/28/22 12:00 |
| Client ID | : DUP_09282022 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 09/30/22 21:48 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943996 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 502 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | 10.2 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1694803-3 | Date Collected | : NA |
| Client ID | : WG1694803-3BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 09/30/22 14:13 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0943981 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1695311-3 | Date Collected | : NA |
| Client ID | : WG1695311-3BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 10/04/22 09:50 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0944034 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943982.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 3:25 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-04,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:19:30 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.172 | 132663116 | 948.014 | ug/L M2 |
| 2) ethene | 4.207 | 644384 | 4.520 | ug/L M2 |
| 4) ethane | 5.082 | 351980 | 2.236 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

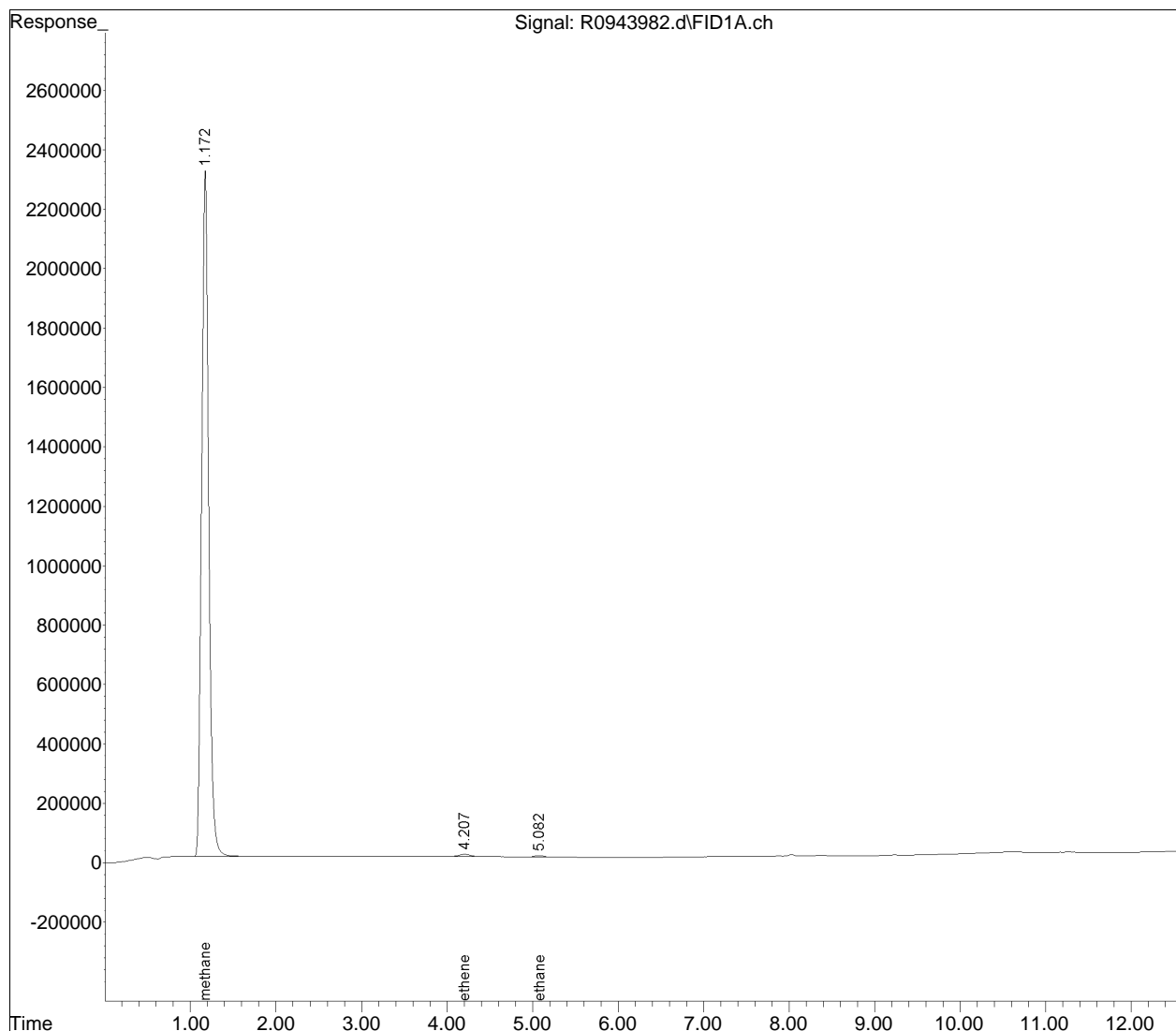
Quantitation Report (QT Reviewed)

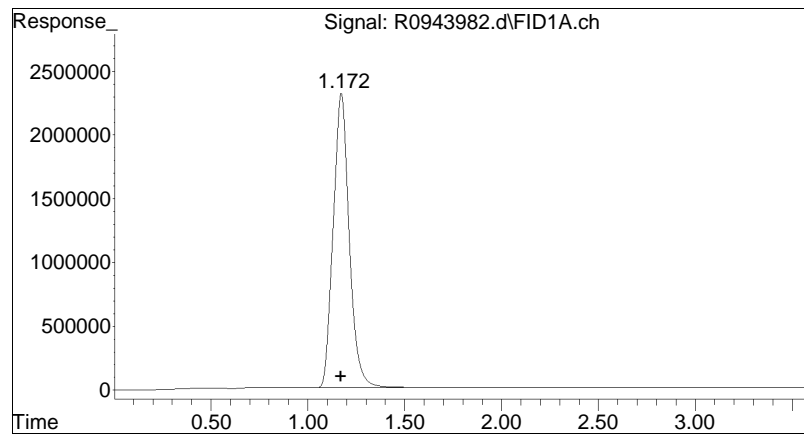
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943982.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 3:25 pm
Operator : AIRLAB9:BJB
Sample : L2253502-04,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:19:30 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

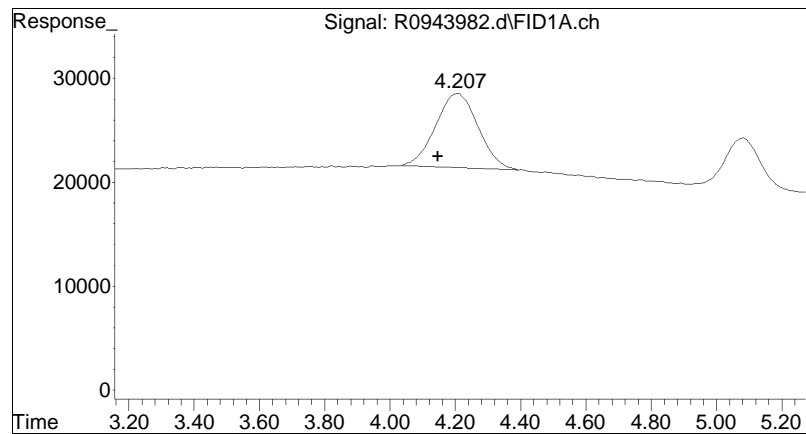
Sub List : MEE - All compounds listed



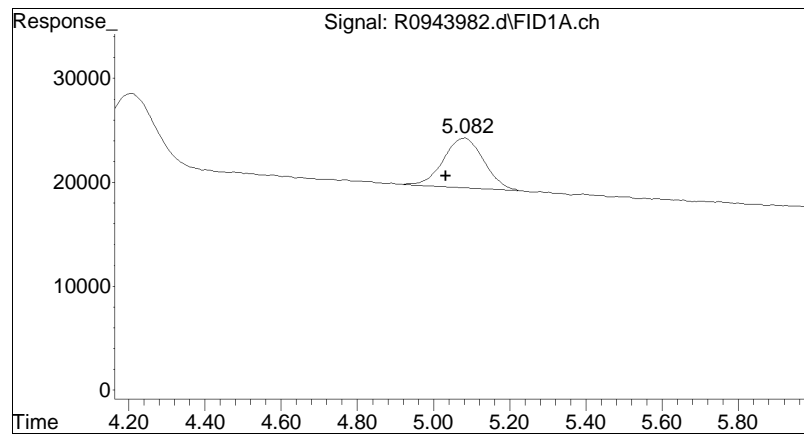


#1 methane

R.T.: 1.172 min
Delta R.T.: 0.002 min
Response: 132663116
Conc: 948.01 ug/L M2



#2 ethene
R.T.: 4.207 min
Delta R.T.: 0.061 min
Response: 644384
Conc: 4.52 ug/L M2



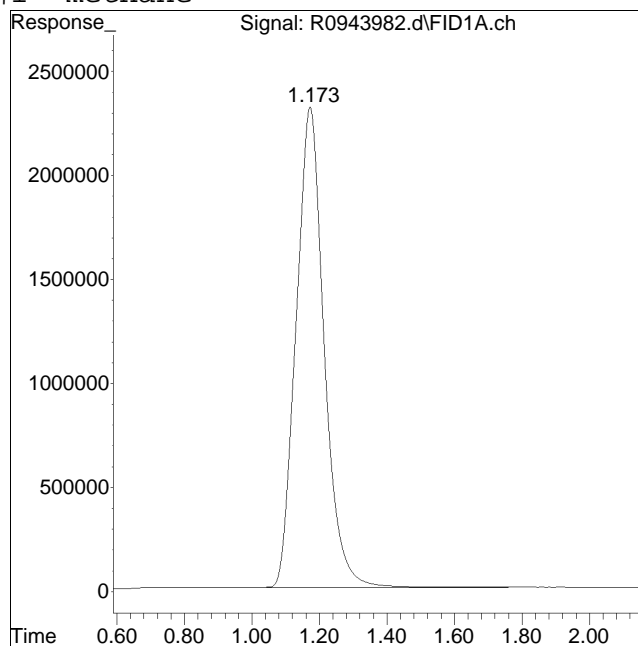
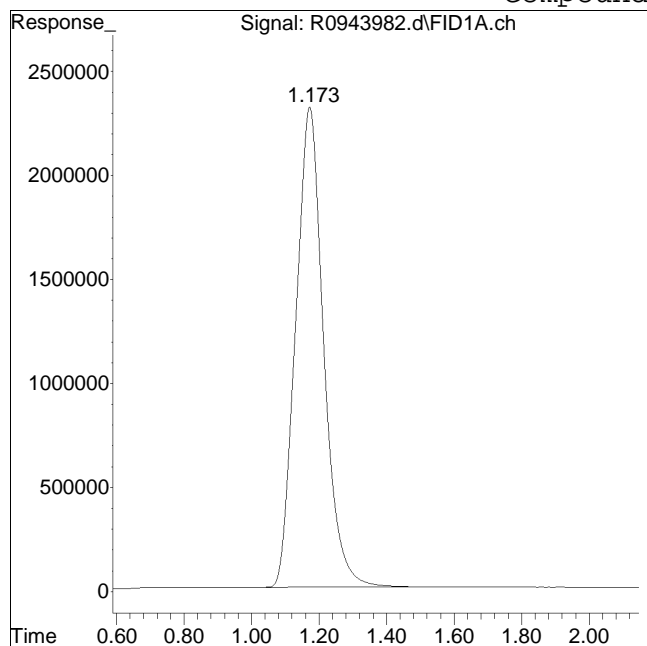
#4 ethane

R.T.: 5.082 min
Delta R.T.: 0.051 min
Response: 351980
Conc: 2.24 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943982.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 3:25 pm Instrument : Airlab9
Sample : L2253502-04,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #1: methane



Original Peak Response = 132326079

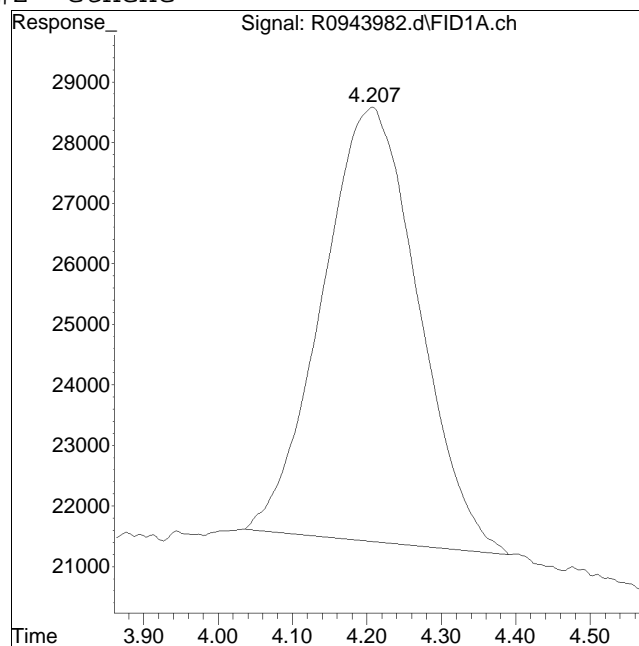
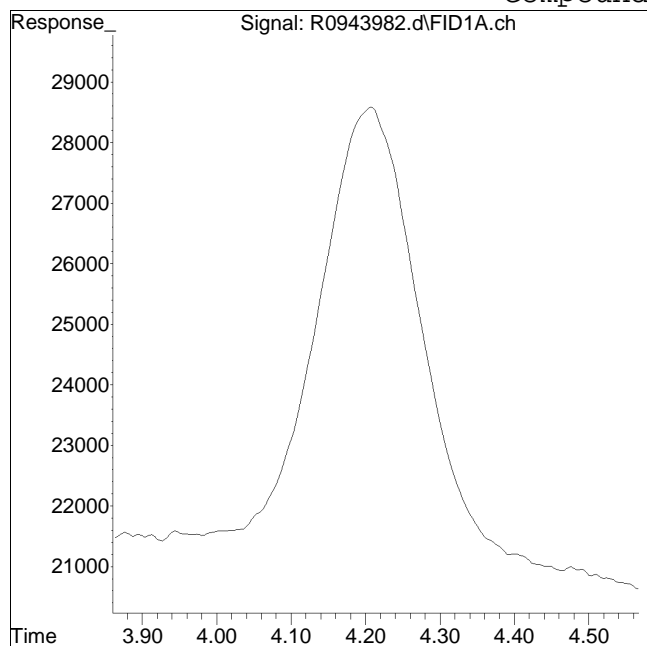
Manual Peak Response = 132663116 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943982.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 3:25 pm Instrument : Airlab9
Sample : L2253502-04,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #2: ethene



Original Peak Response = 0

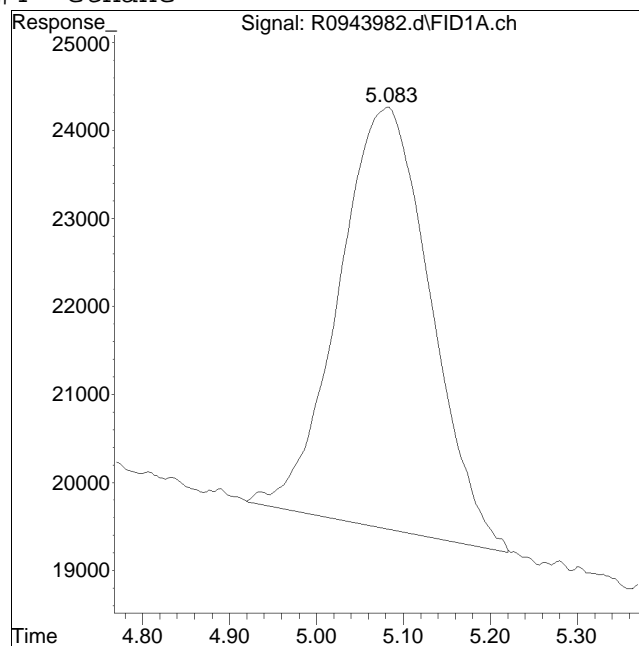
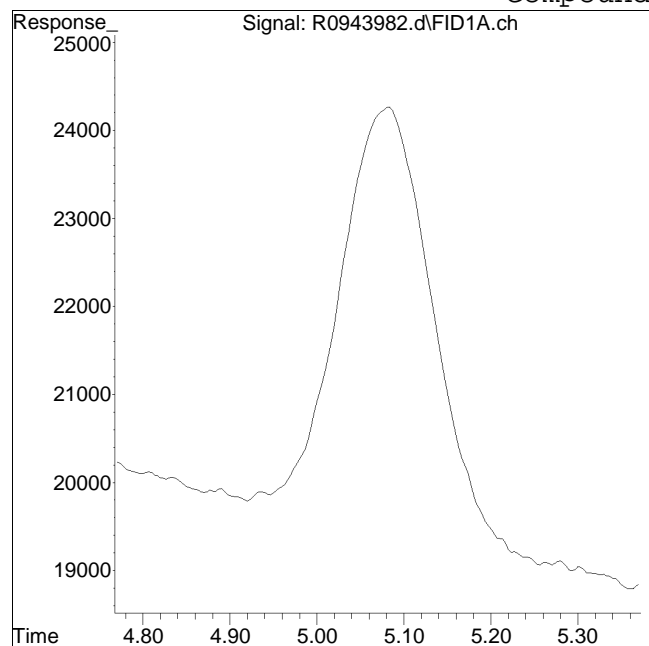
Manual Peak Response = 644384 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943982.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 3:25 pm Instrument : Airlab9
Sample : L2253502-04,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 351980 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943985.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 5:31 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-01,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:21:01 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.177 | 98565881 | 704.354 | ug/L M4 |
| 2) ethene | 4.152 | 46902 | 0.329 | ug/L M2 |
| 4) ethane | 5.090 | 397686 | 2.526 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

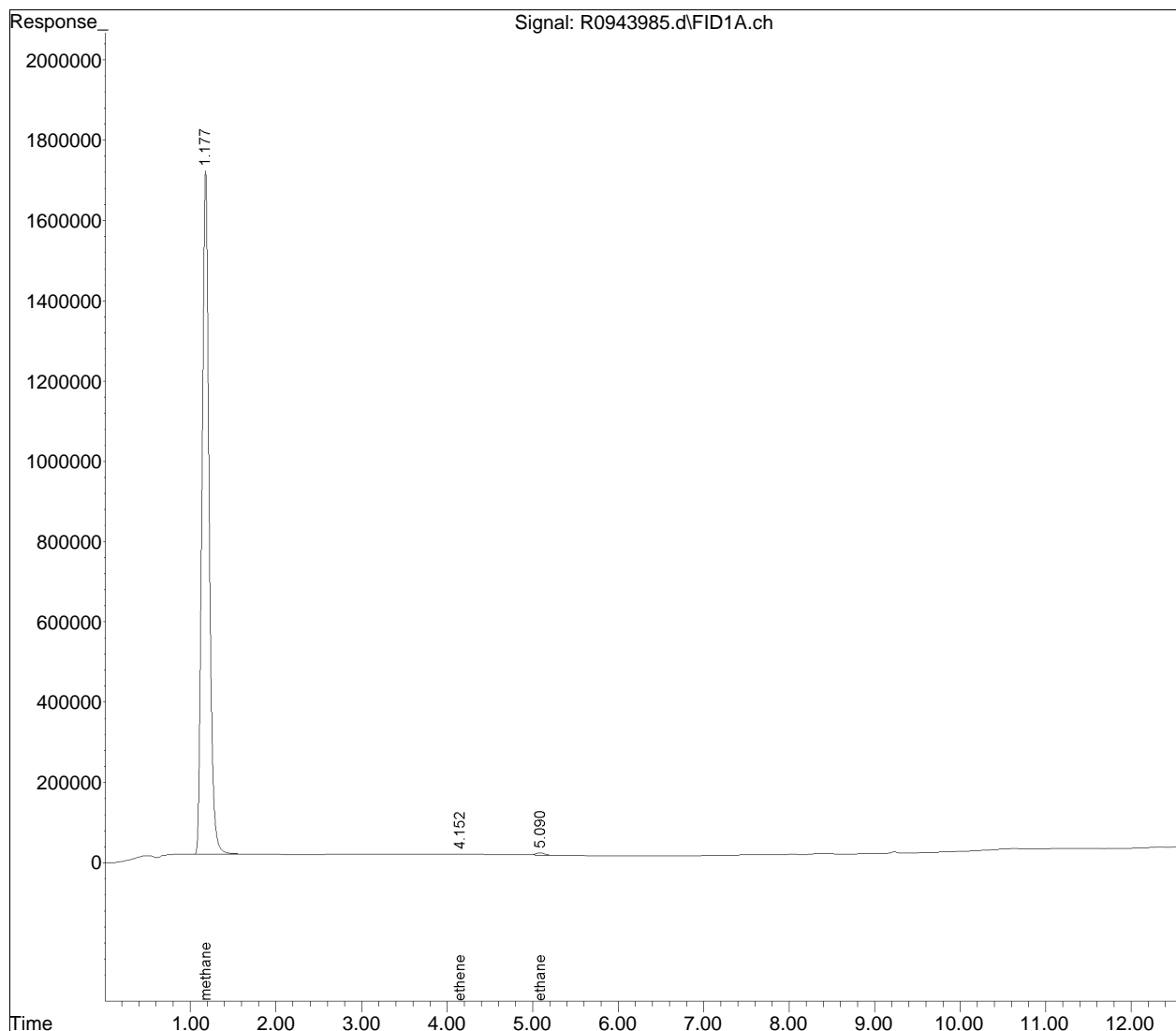
Quantitation Report (QT Reviewed)

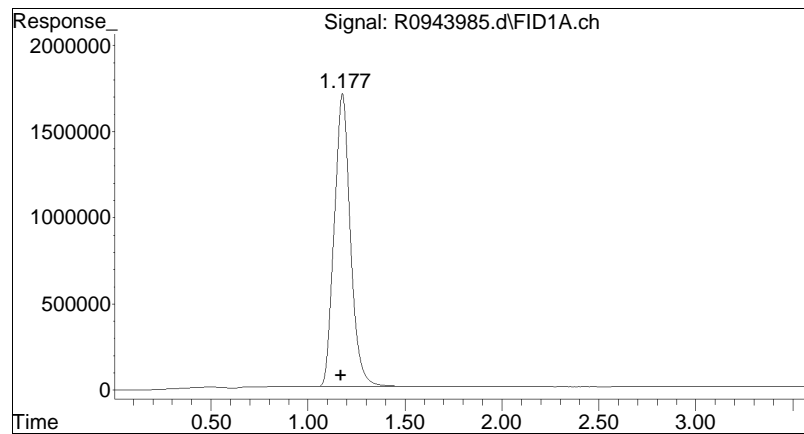
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943985.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 5:31 pm
Operator : AIRLAB9:BJB
Sample : L2253502-01,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:21:01 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

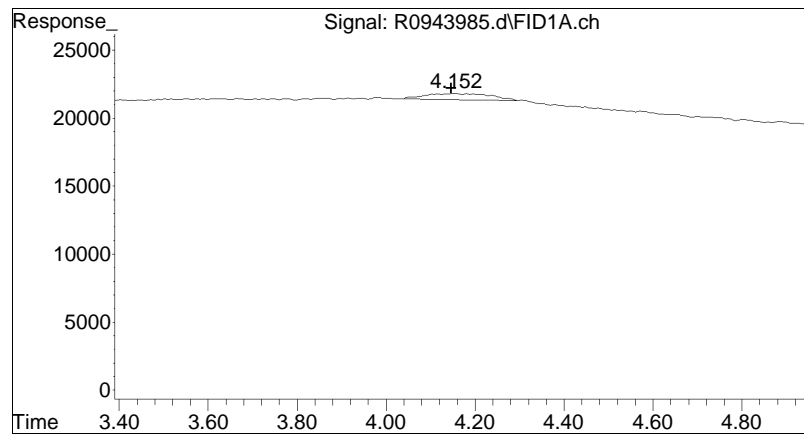
Sub List : MEE - All compounds listed





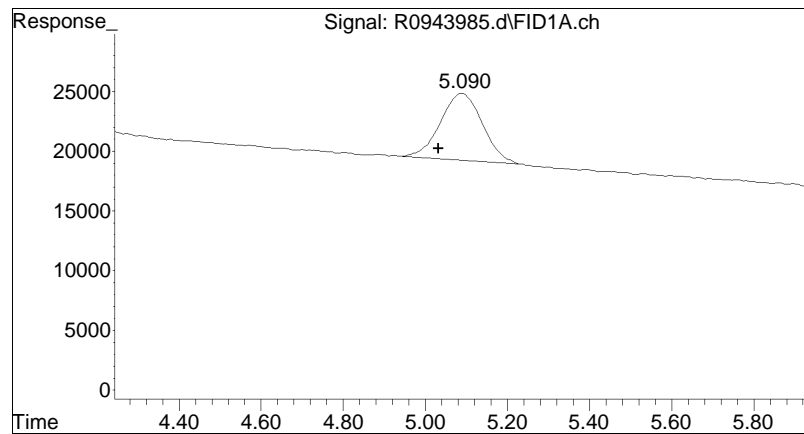
#1 methane

R.T.: 1.177 min
Delta R.T.: 0.007 min
Response: 98565881
Conc: 704.35 ug/L M4



#2 ethene

R.T.: 4.152 min
Delta R.T.: 0.005 min
Response: 46902
Conc: 0.33 ug/L M2



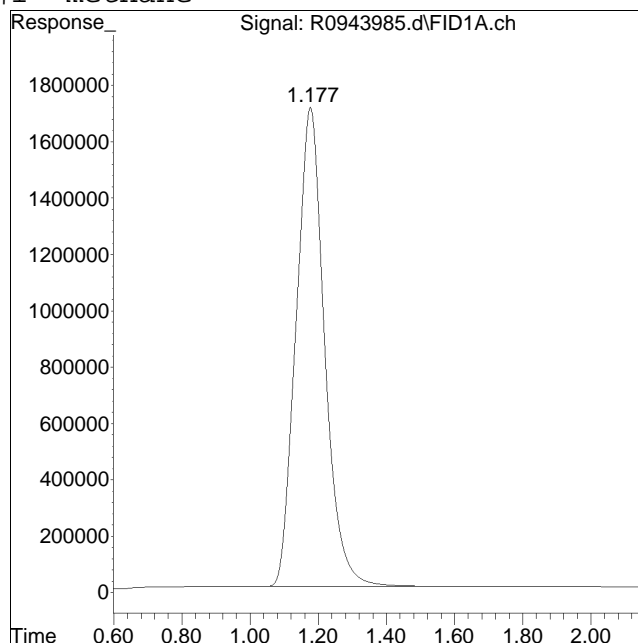
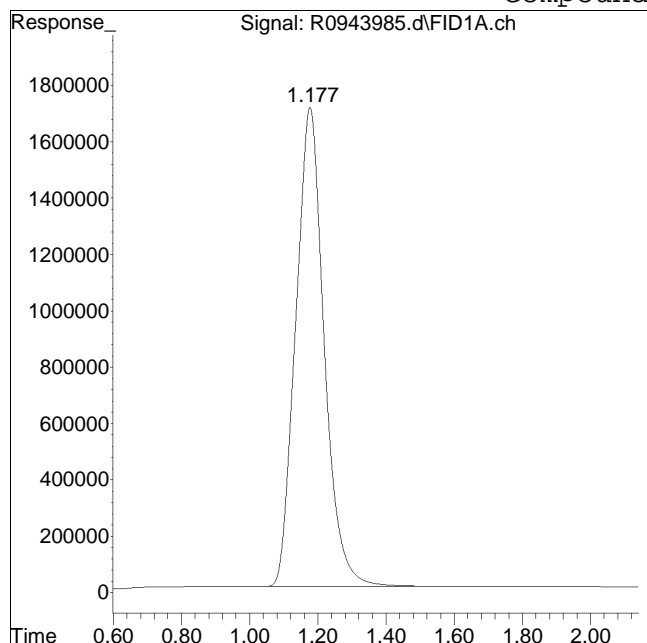
#4 ethane

R.T.: 5.090 min
Delta R.T.: 0.059 min
Response: 397686
Conc: 2.53 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943985.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 5:31 pm Instrument : Airlab9
Sample : L2253502-01,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #1: methane



Original Peak Response = 98366152

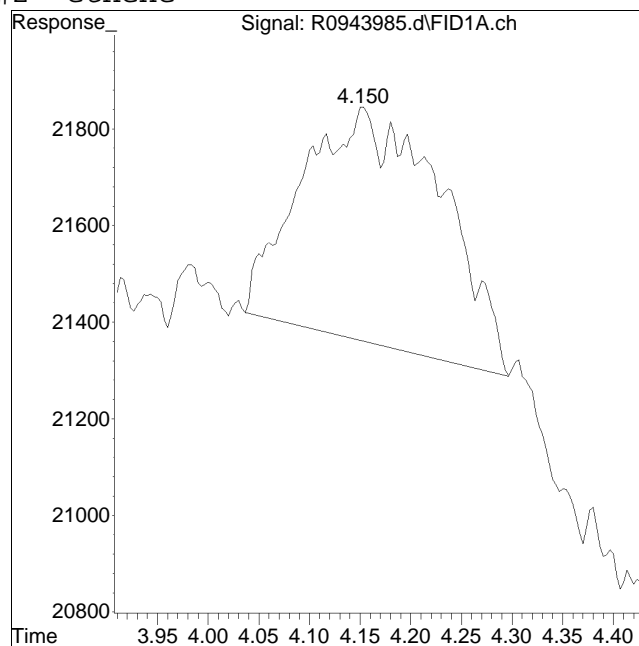
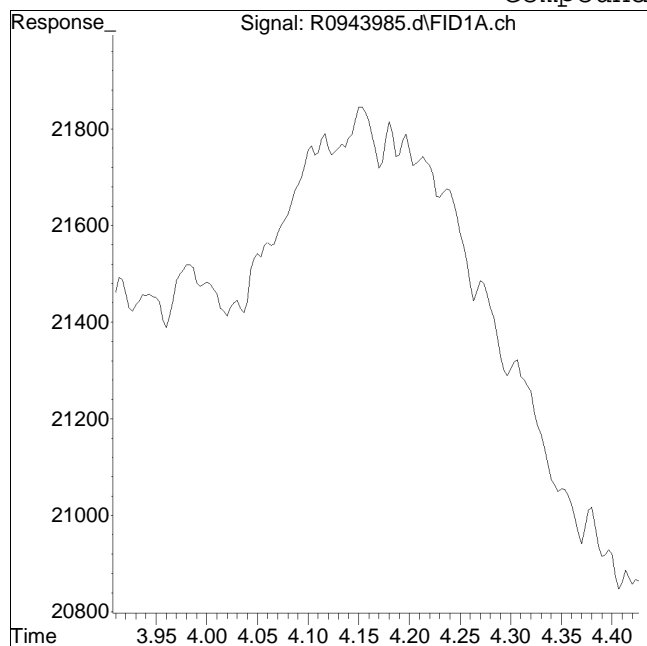
Manual Peak Response = 98565881 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943985.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 5:31 pm Instrument : Airlab9
Sample : L2253502-01,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #2: ethene



Original Peak Response = 0

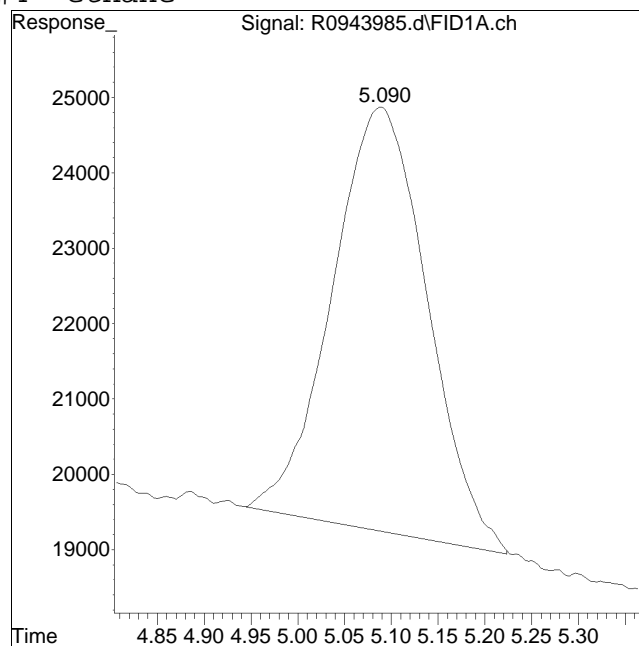
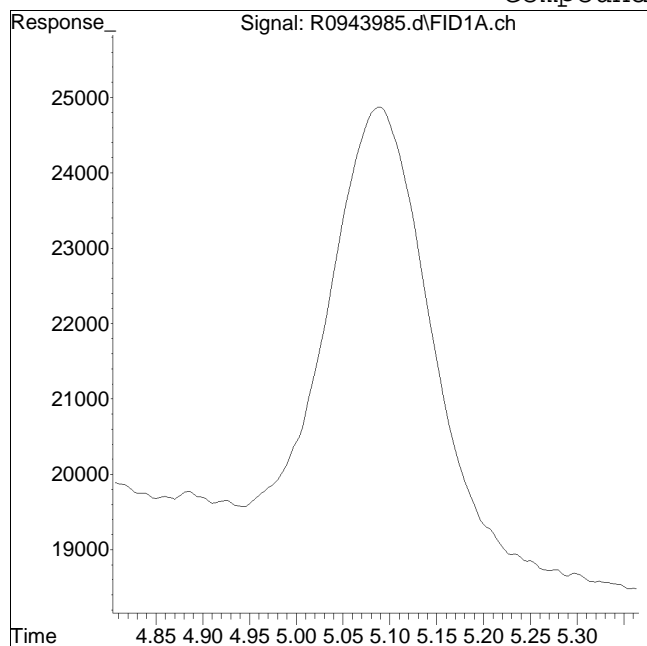
Manual Peak Response = 46902 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943985.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 5:31 pm Instrument : Airlab9
Sample : L2253502-01,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 397686 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943986.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 6:41 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-02,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:21:29 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.175 | 26279753 | 187.796 | ug/L M2 |
| 2) ethene | 4.153 | 43217 | 0.303 | ug/L M2 |
| 4) ethane | 5.084 | 27728 | 0.176 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

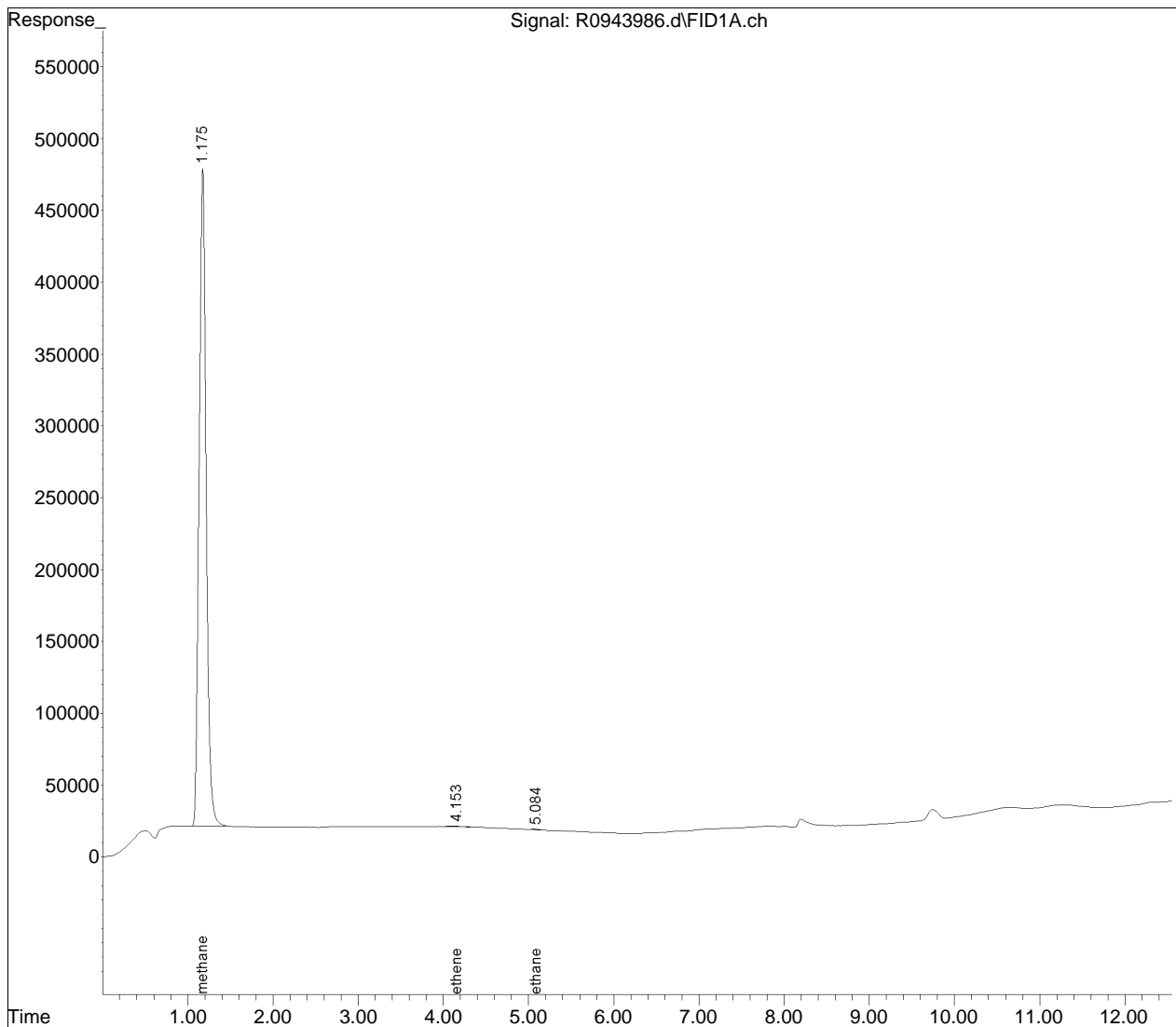
Quantitation Report (QT Reviewed)

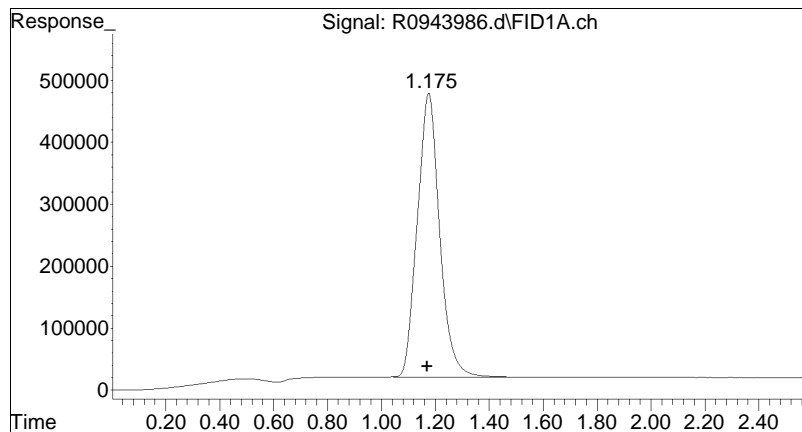
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943986.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 6:41 pm
Operator : AIRLAB9:BJB
Sample : L2253502-02,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:21:29 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

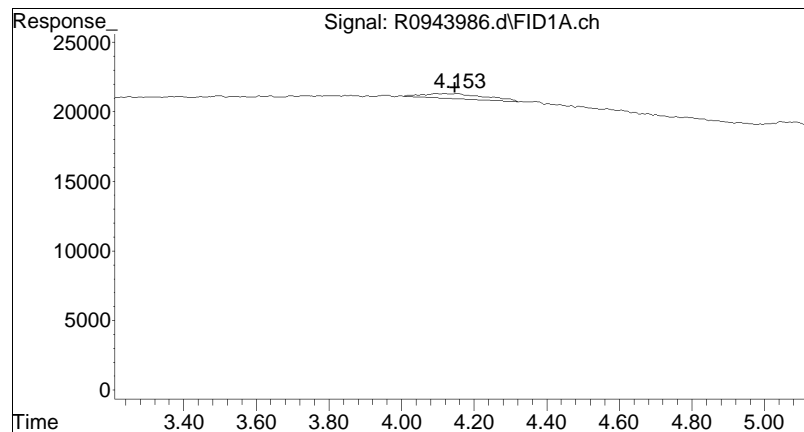
Sub List : MEE - All compounds listed





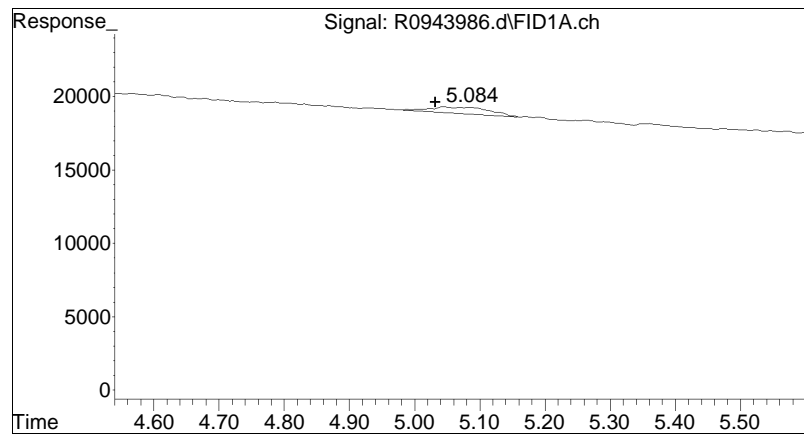
#1 methane

R.T.: 1.175 min
Delta R.T.: 0.005 min
Response: 26279753
Conc: 187.80 ug/L M2



#2 ethene

R.T.: 4.153 min
Delta R.T.: 0.007 min
Response: 43217
Conc: 0.30 ug/L M2



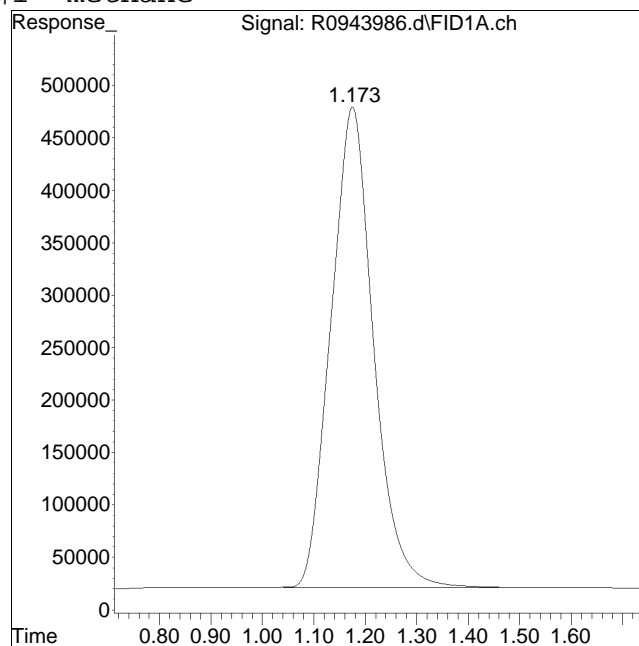
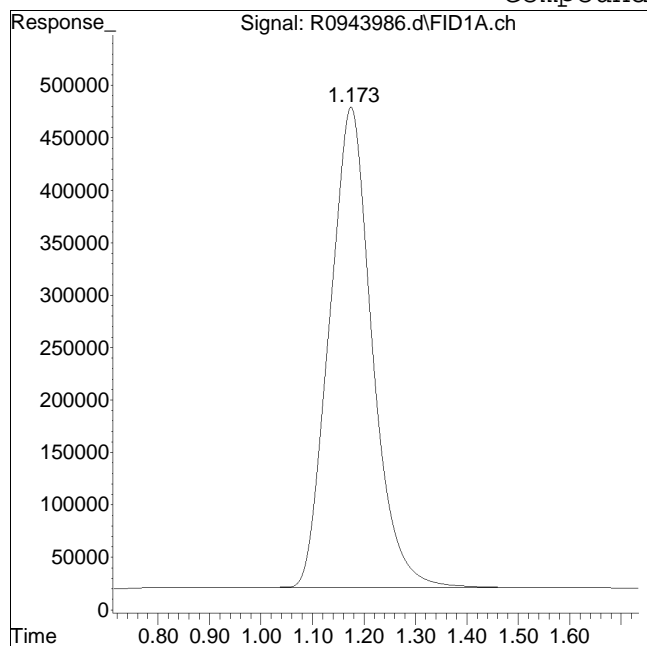
#4 ethane

R.T.: 5.084 min
Delta R.T.: 0.053 min
Response: 27728
Conc: 0.18 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943986.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 6:41 pm Instrument : Airlab9
Sample : L2253502-02,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #1: methane



Original Peak Response = 26265017

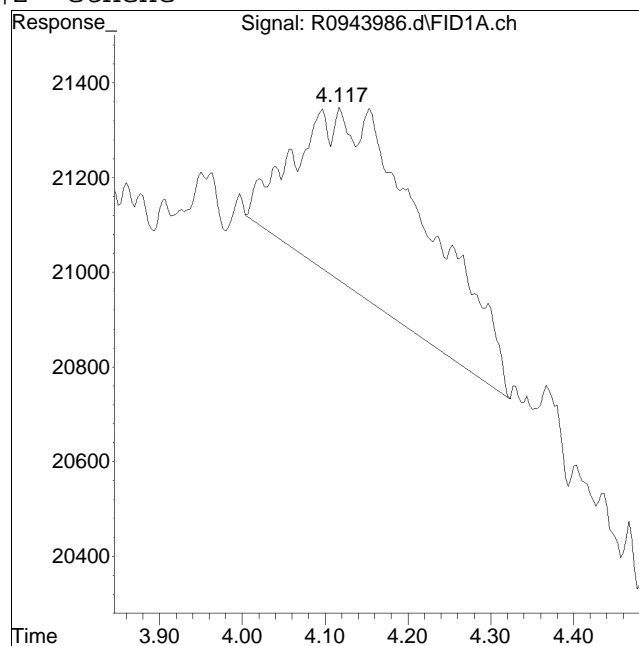
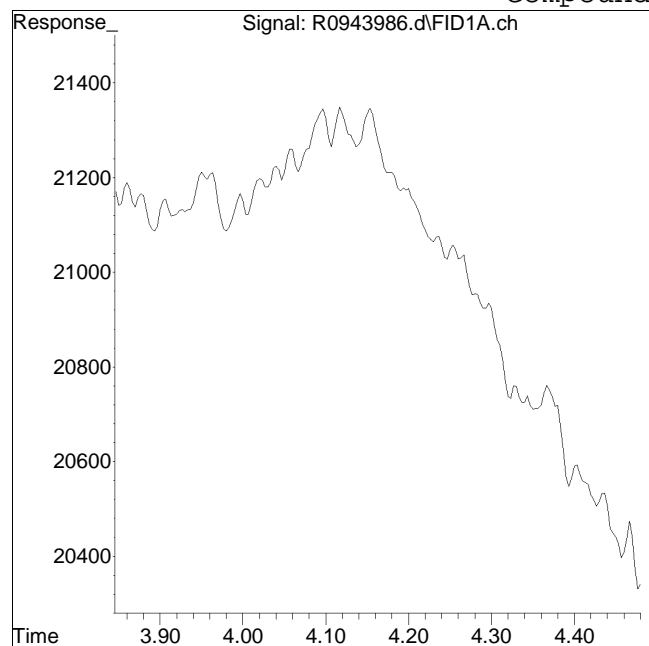
Manual Peak Response = 26279753 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943986.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 6:41 pm Instrument : Airlab9
Sample : L2253502-02,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #2: ethene



Original Peak Response = 0

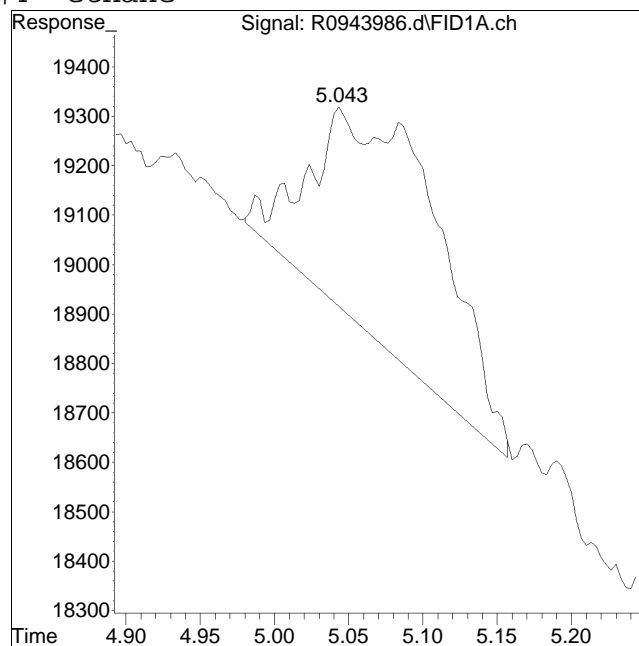
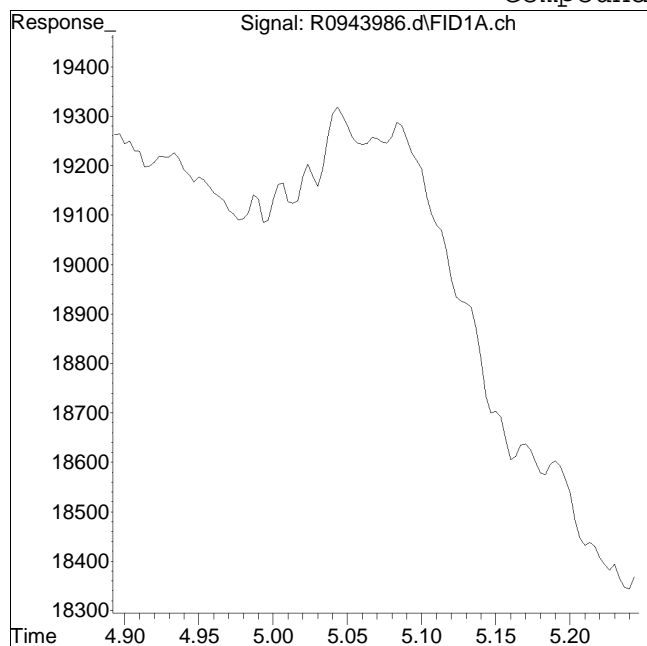
Manual Peak Response = 43217 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943986.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 6:41 pm Instrument : Airlab9
Sample : L2253502-02,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 27728 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943987.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 6:59 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-03,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:21:55 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|---------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.177 | 171323 | 1.224 ug/L M2 |
| 2) ethene | 4.127 | 27258 | 0.191 ug/L M2 |
| 4) ethane | 0.000 | 0 | N.D. ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

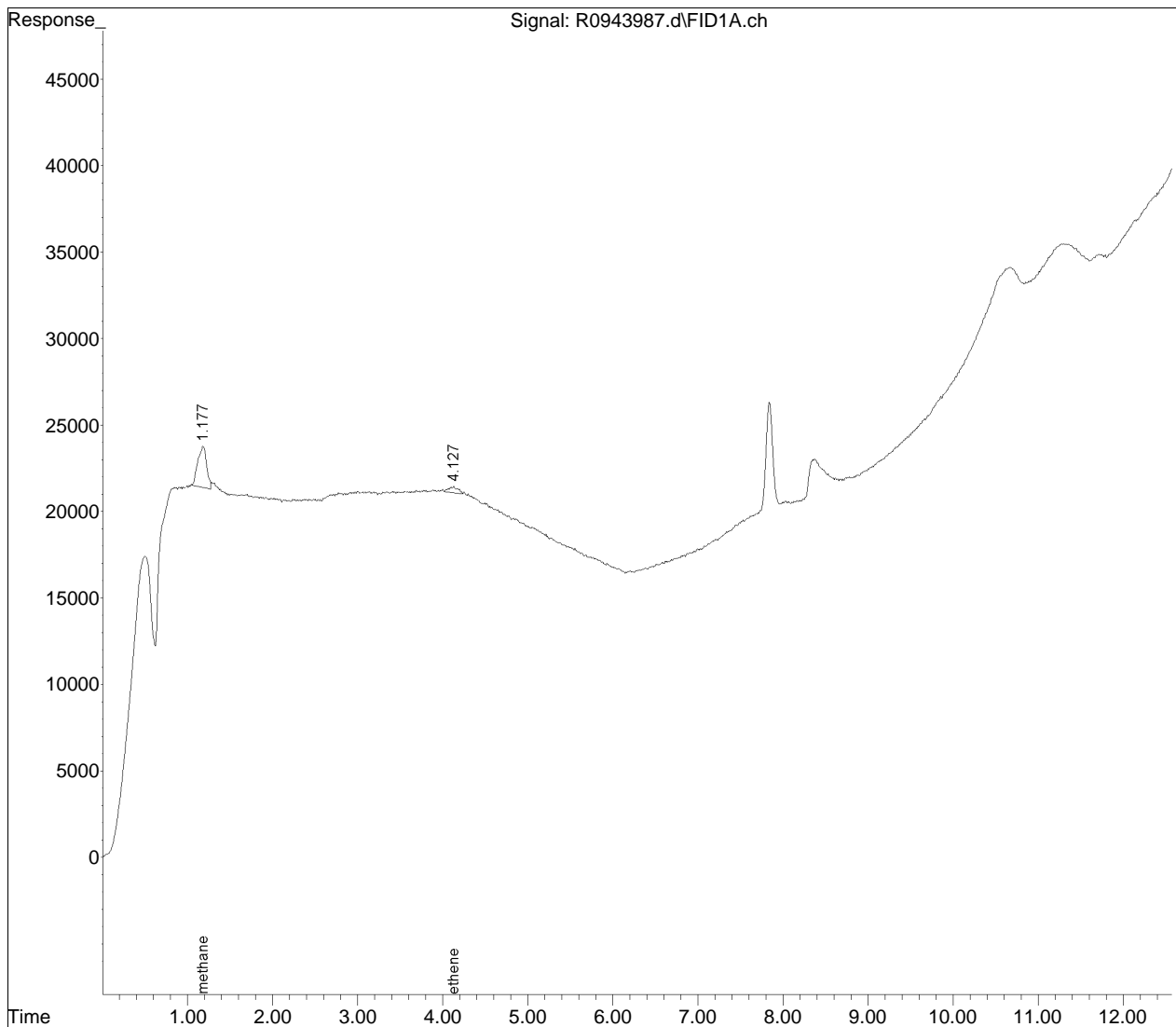
Quantitation Report (QT Reviewed)

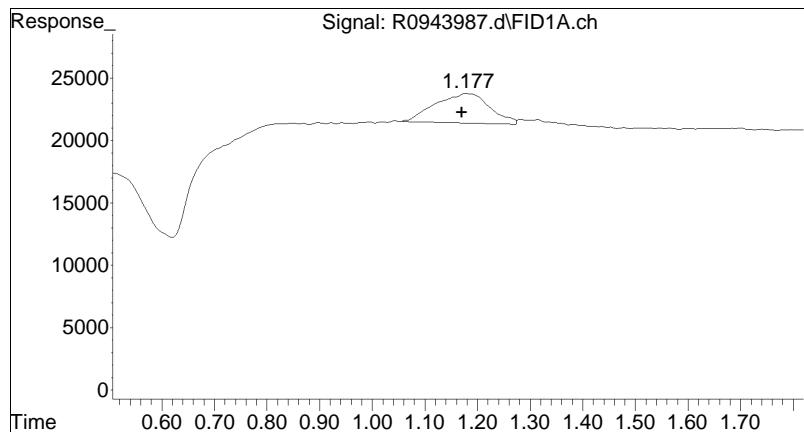
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943987.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 6:59 pm
Operator : AIRLAB9:BJB
Sample : L2253502-03,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:21:55 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

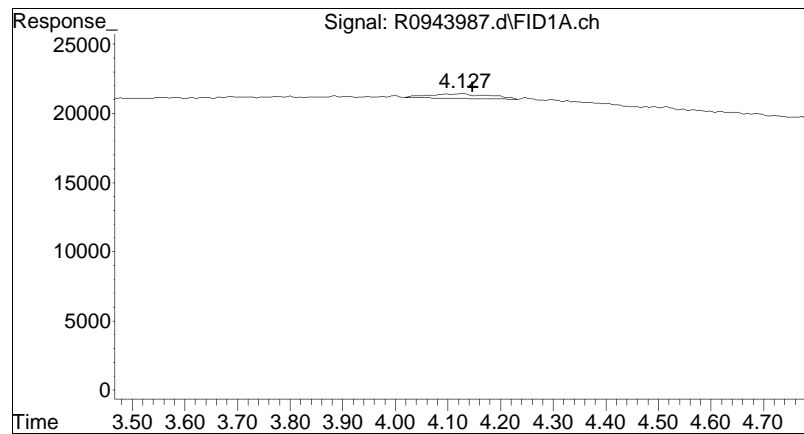
Sub List : MEE - All compounds listed





#1 methane

R.T.: 1.177 min
Delta R.T.: 0.007 min
Response: 171323
Conc: 1.22 ug/L M2

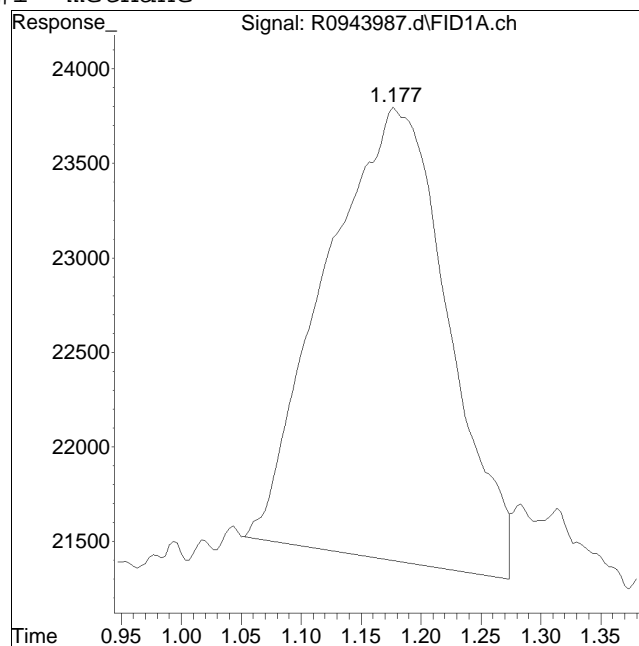
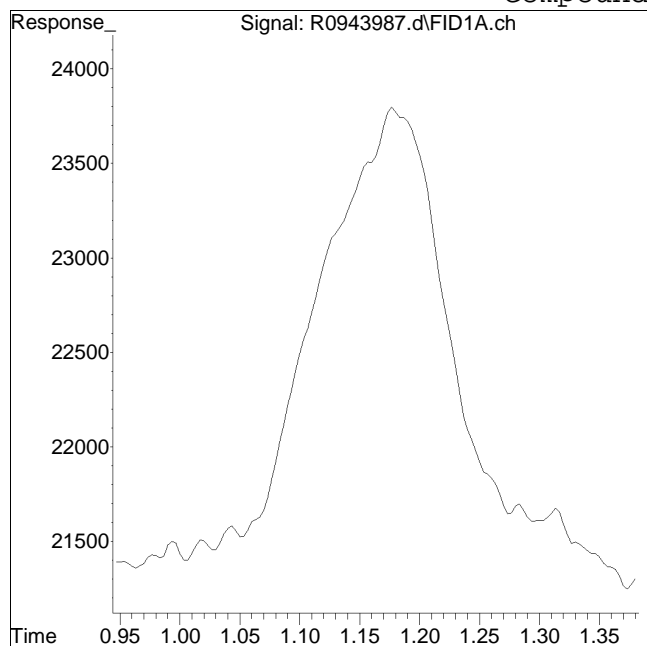


#2 ethene
R.T.: 4.127 min
Delta R.T.: -0.019 min
Response: 27258
Conc: 0.19 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943987.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 6:59 pm Instrument : Airlab9
Sample : L2253502-03,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 0

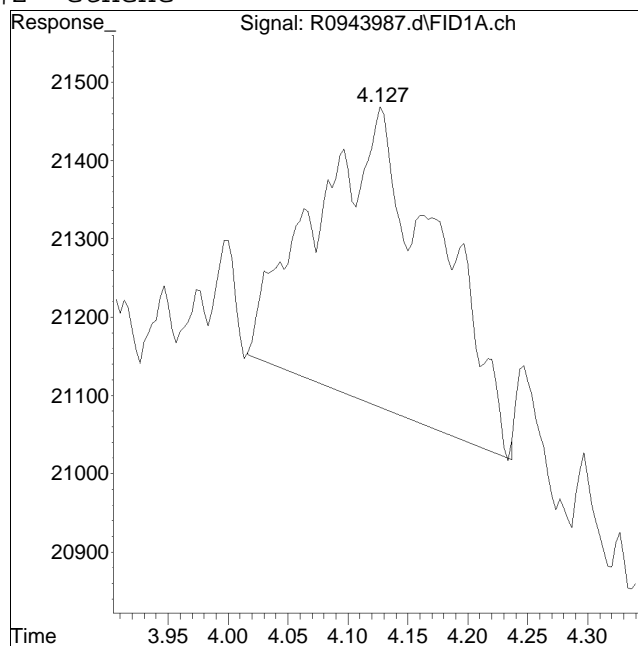
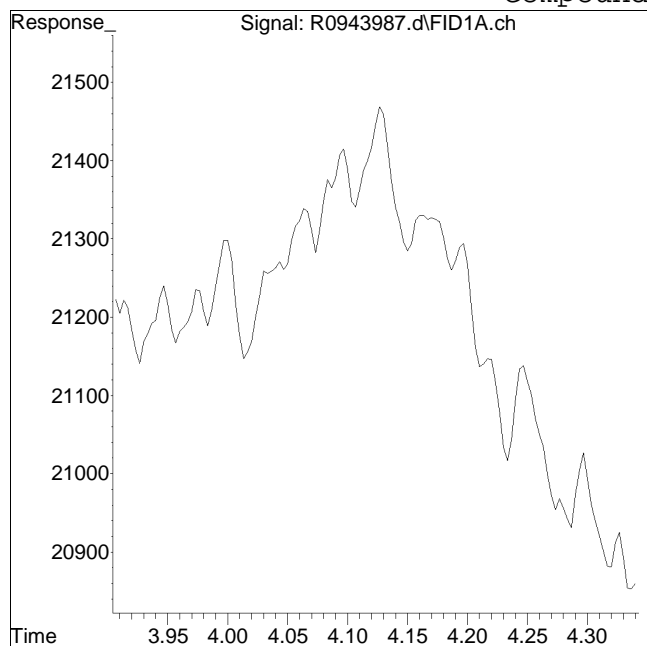
Manual Peak Response = 171323 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943987.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 6:59 pm Instrument : Airlab9
Sample : L2253502-03,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 0

Manual Peak Response = 27258 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943988.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 7:17 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-05,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:22:26 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.176 | 228589855 | 1633.509 | ug/L M2 |
| 2) ethene | 4.217 | 1642143 | 11.519 | ug/L M2 |
| 4) ethane | 5.089 | 4073379 | 25.877 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

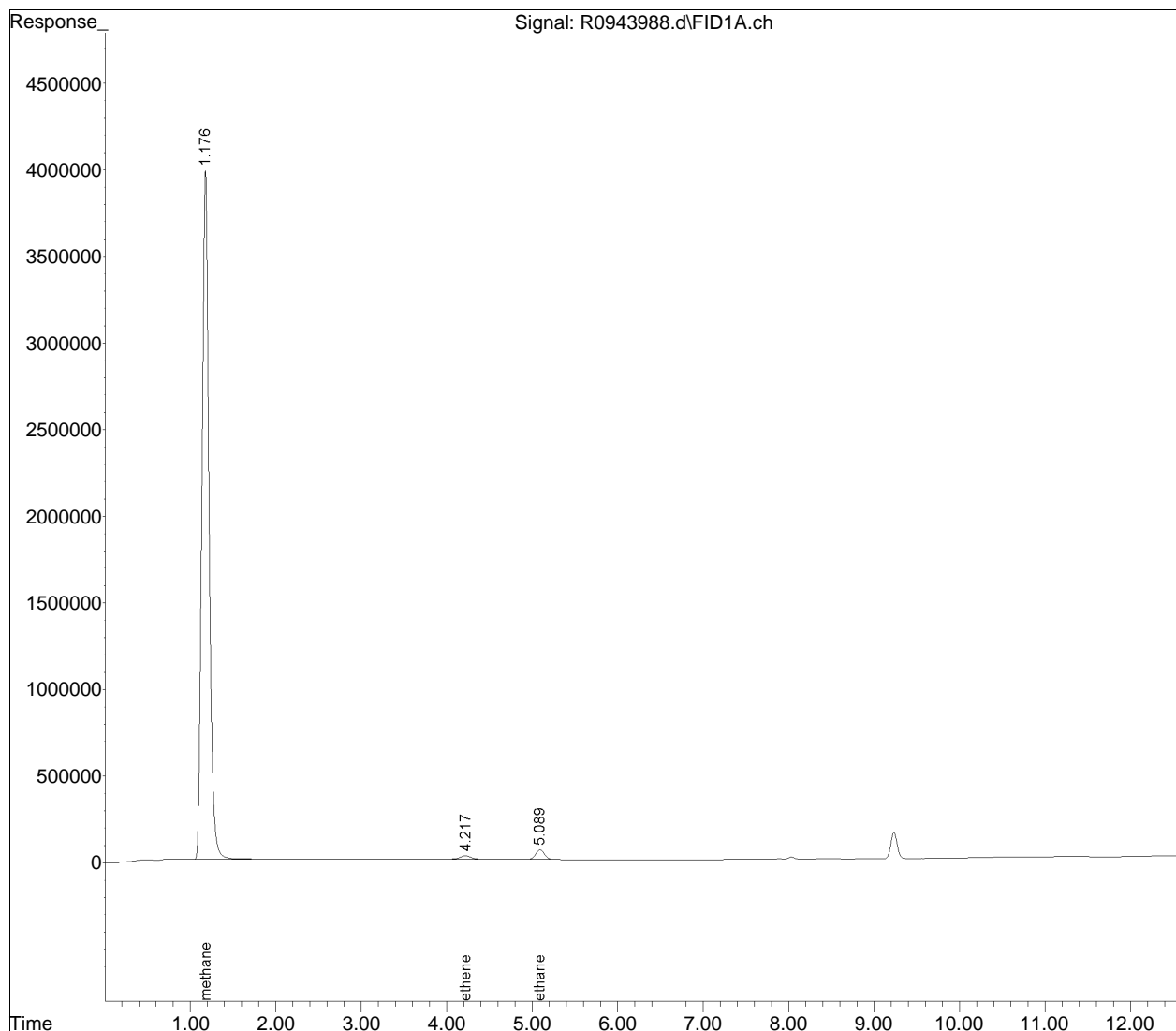
Quantitation Report (QT Reviewed)

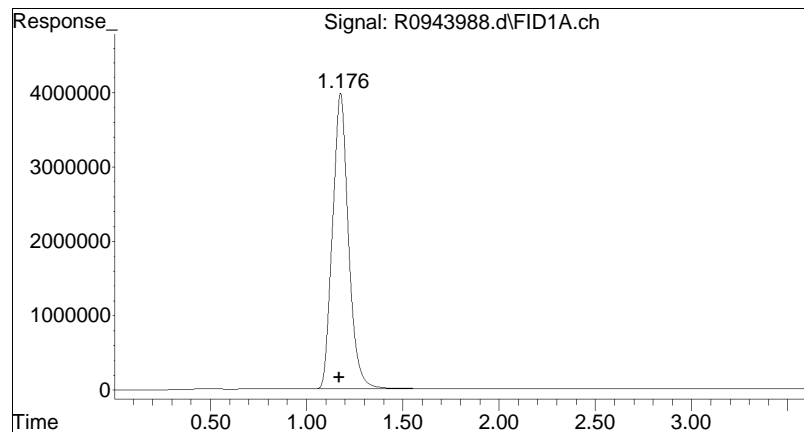
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943988.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 7:17 pm
Operator : AIRLAB9:BJB
Sample : L2253502-05,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:22:26 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

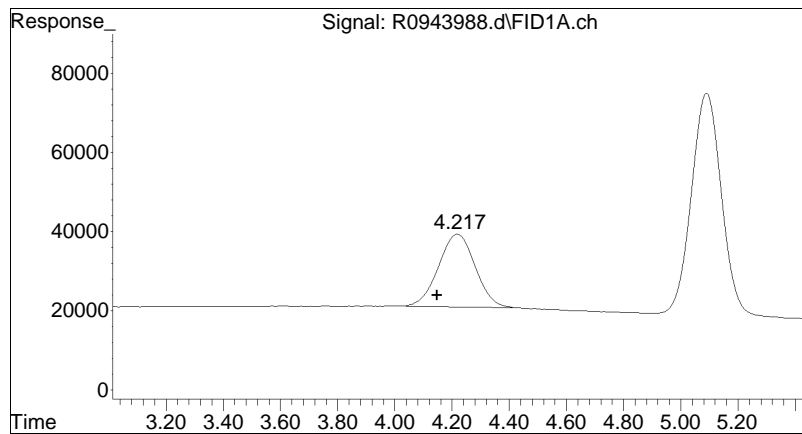
Sub List : MEE - All compounds listed





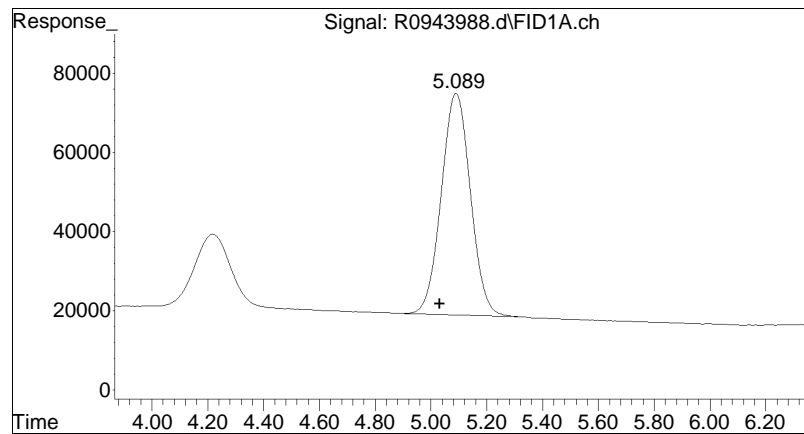
#1 methane

R.T.: 1.176 min
Delta R.T.: 0.006 min
Response: 228589855
Conc: 1633.51 ug/L M2



#2 ethene

R.T.: 4.217 min
Delta R.T.: 0.070 min
Response: 1642143
Conc: 11.52 ug/L M2



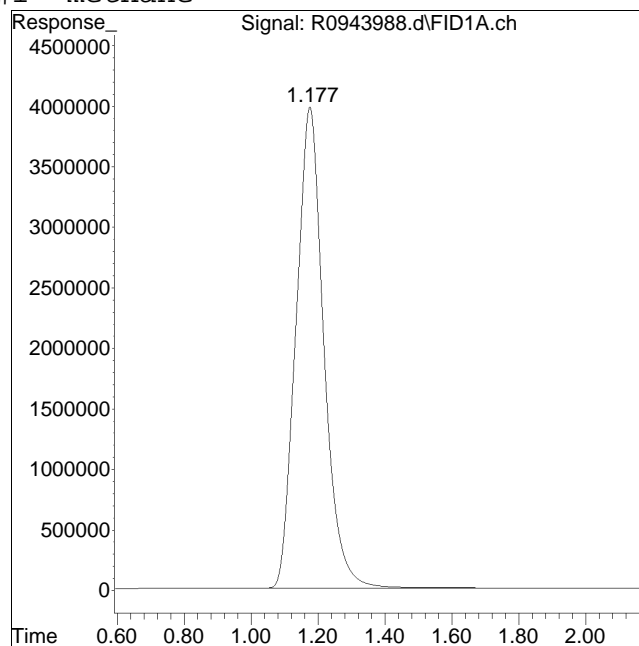
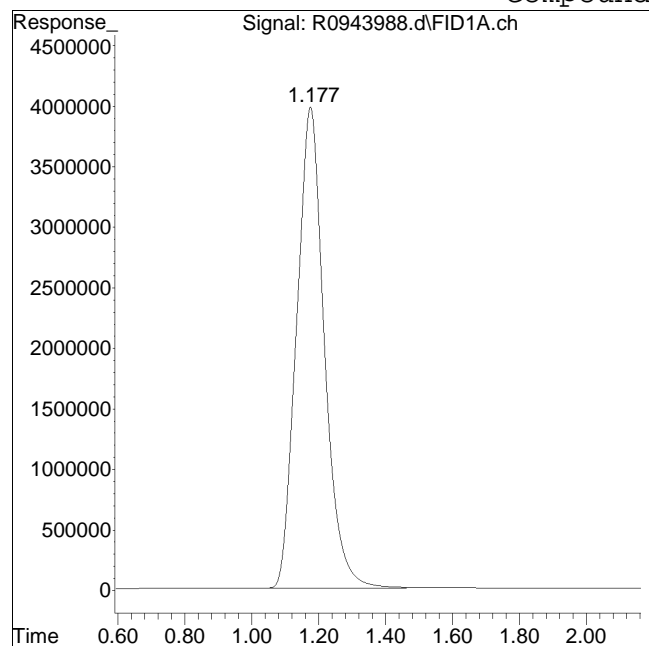
#4 ethane

R.T.: 5.089 min
Delta R.T.: 0.058 min
Response: 4073379
Conc: 25.88 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943988.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:17 pm Instrument : Airlab9
Sample : L2253502-05,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 228187367

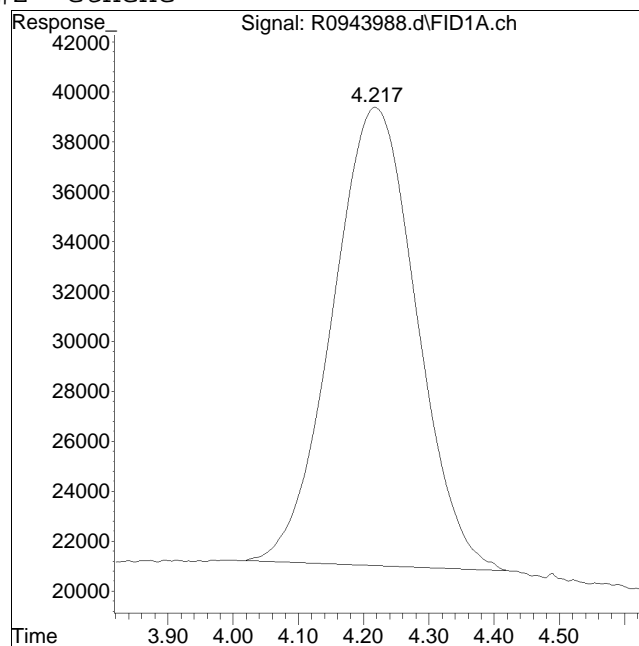
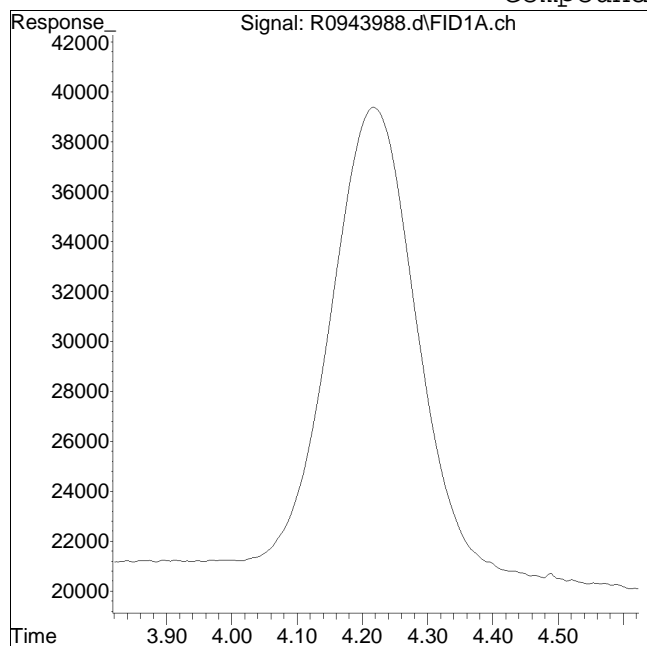
Manual Peak Response = 228589855 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943988.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:17 pm Instrument : Airlab9
Sample : L2253502-05,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 0

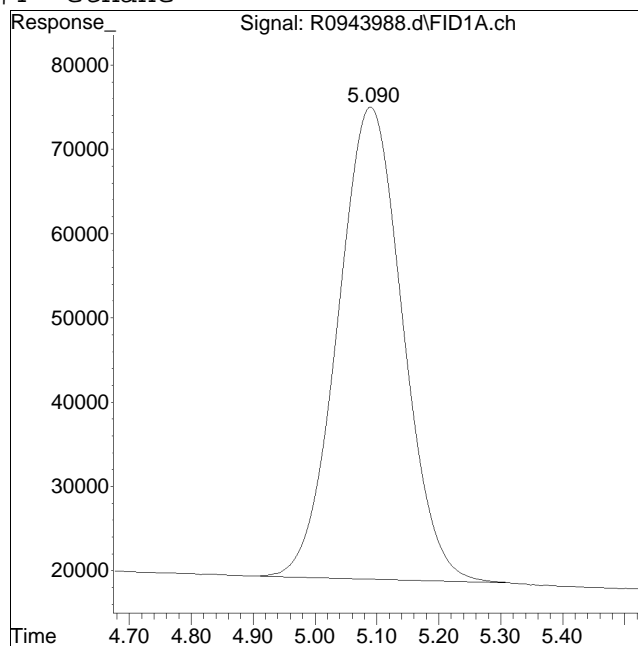
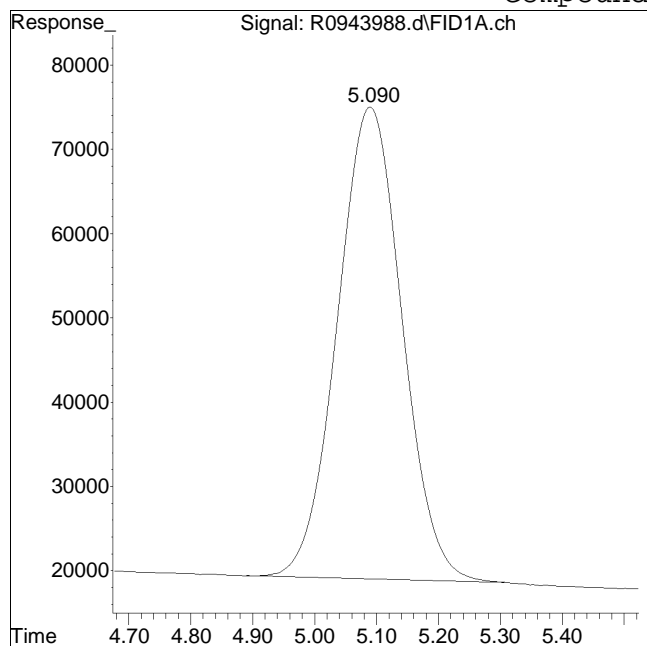
Manual Peak Response = 1642143 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943988.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:17 pm Instrument : Airlab9
Sample : L2253502-05,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 4064946

Manual Peak Response = 4073379 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943989.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 7:34 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-06,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:23:11 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|------------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.170 | 1084106594 | 7747.055 | ug/L M4 |
| 2) ethene | 4.227 | 411689 | 2.888 | ug/L M2 |
| 4) ethane | 5.089 | 1249819 | 7.940 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

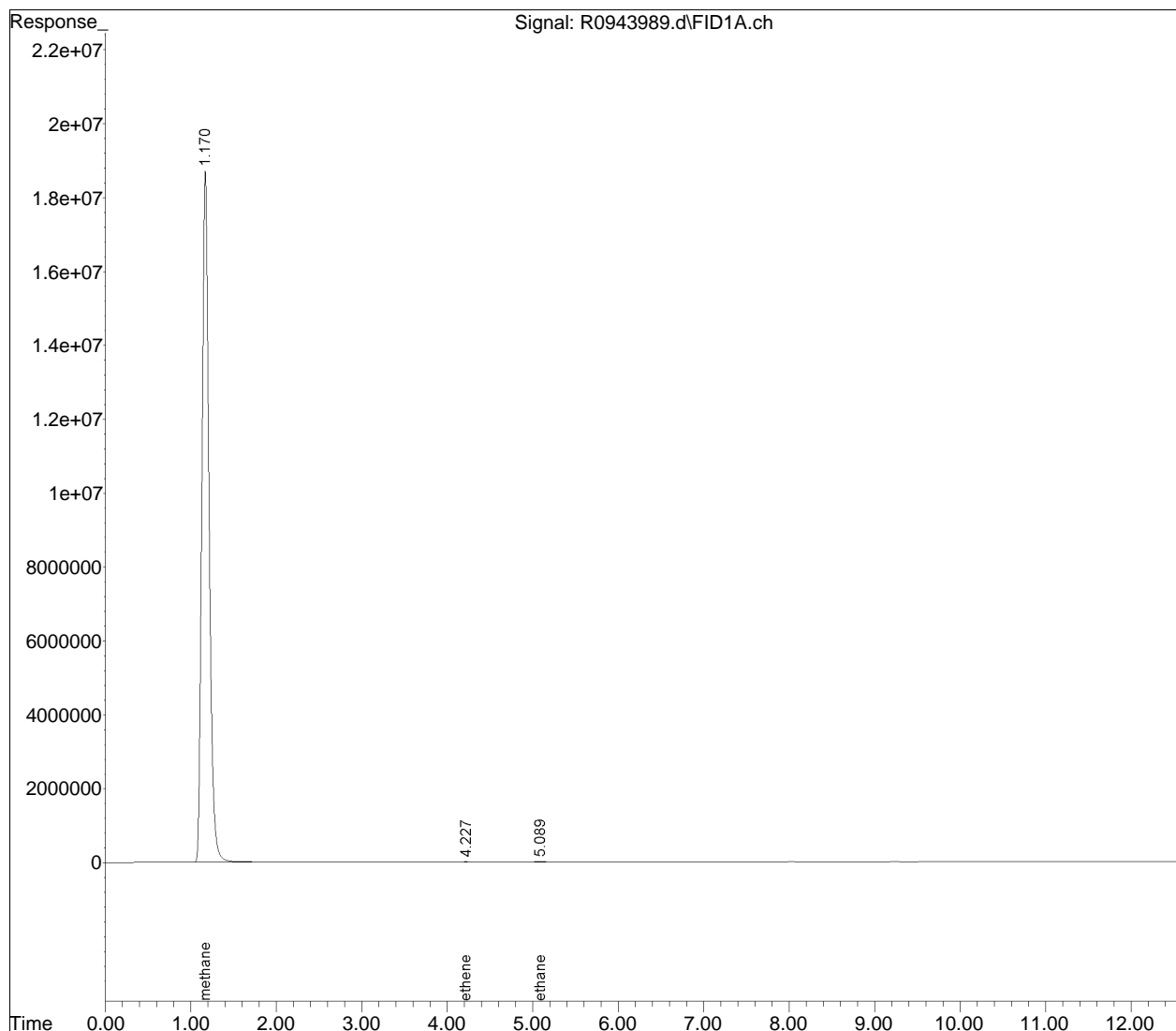
Quantitation Report (QT Reviewed)

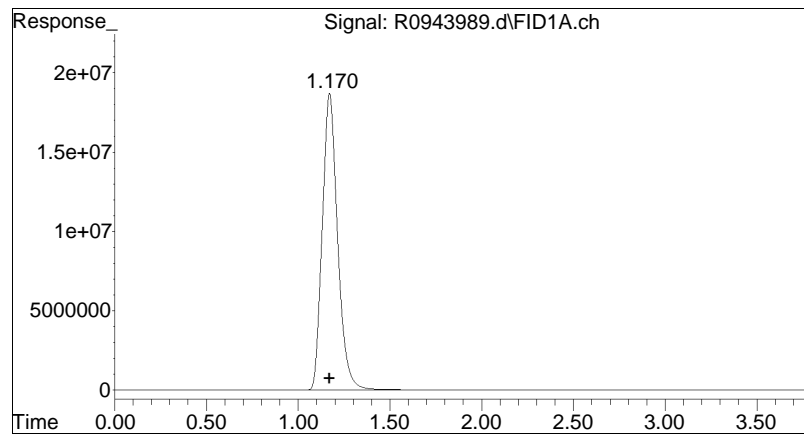
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943989.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 7:34 pm
Operator : AIRLAB9:BJB
Sample : L2253502-06,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:23:11 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

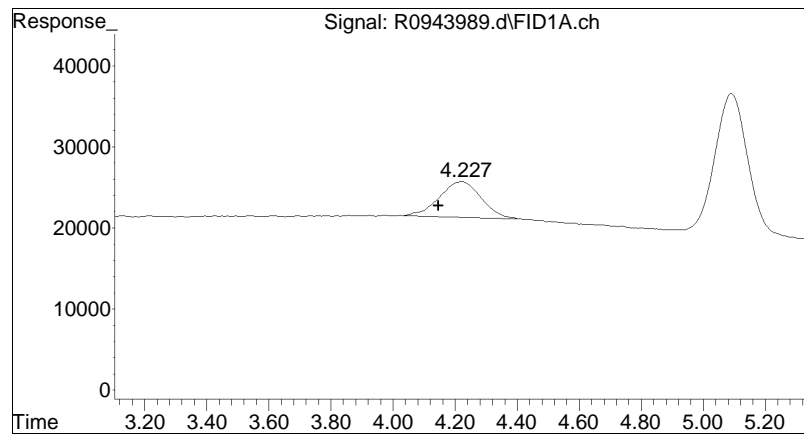
Sub List : MEE - All compounds listed





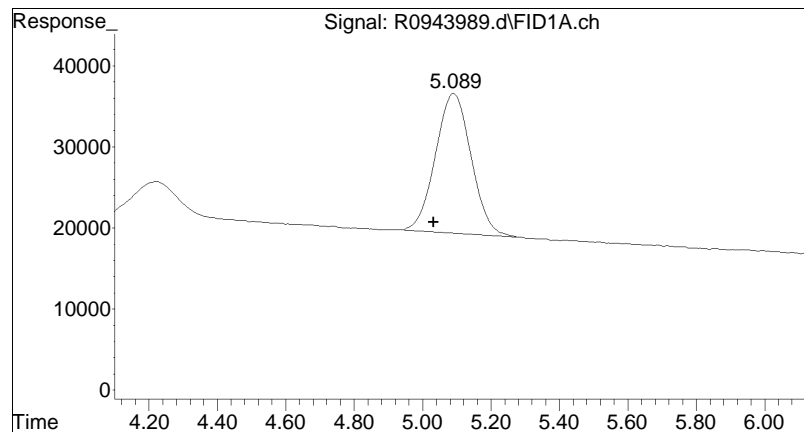
#1 methane

R.T.: 1.170 min
Delta R.T.: 0.000 min
Response: 1084106594
Conc: 7747.06 ug/L M4



#2 ethene

R.T.: 4.227 min
Delta R.T.: 0.080 min
Response: 411689
Conc: 2.89 ug/L M2



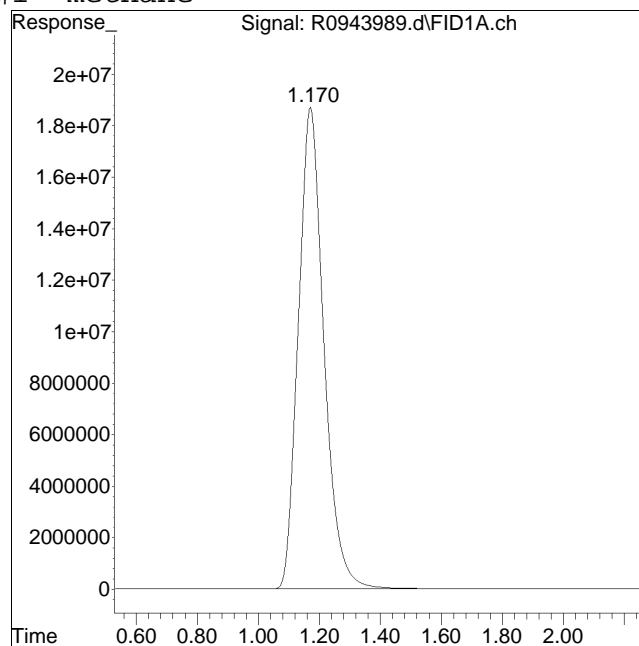
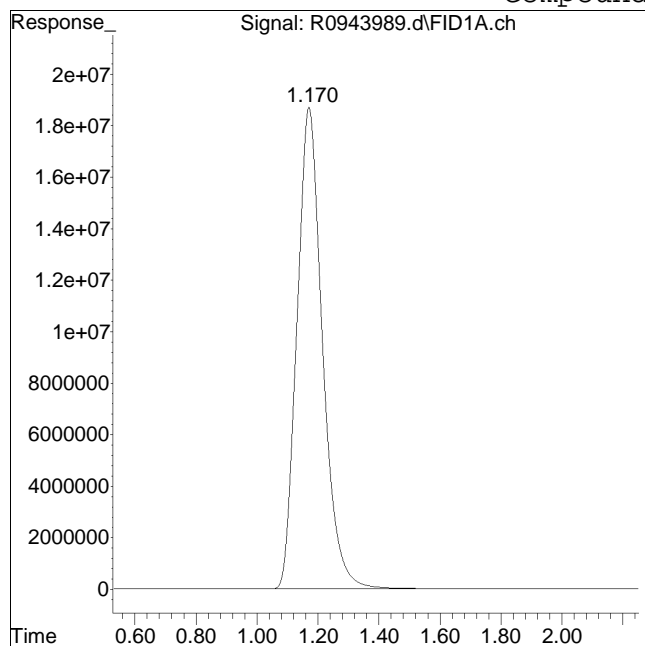
#4 ethane

R.T.: 5.089 min
Delta R.T.: 0.057 min
Response: 1249819
Conc: 7.94 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943989.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:34 pm Instrument : Airlab9
Sample : L2253502-06,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 1084130236

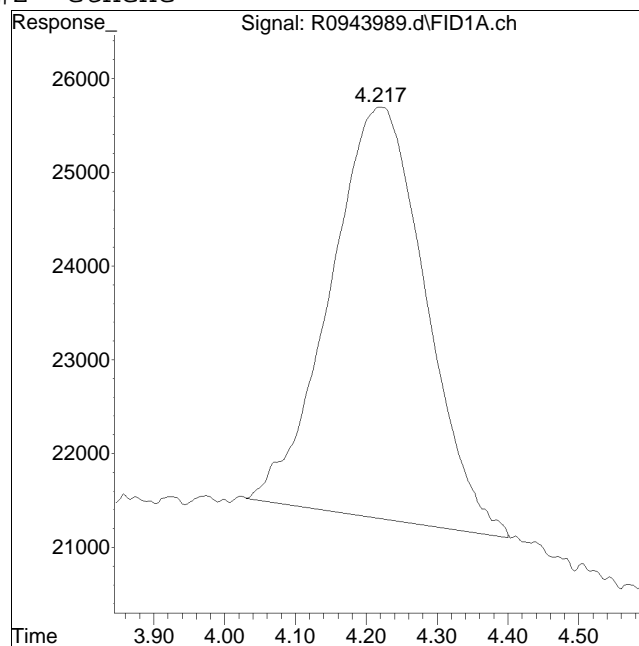
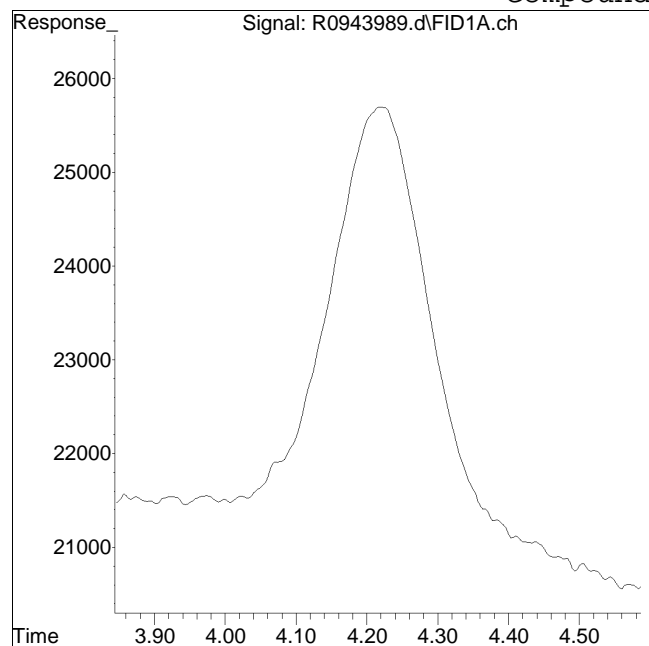
Manual Peak Response = 1084106594 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943989.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:34 pm Instrument : Airlab9
Sample : L2253502-06,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 0

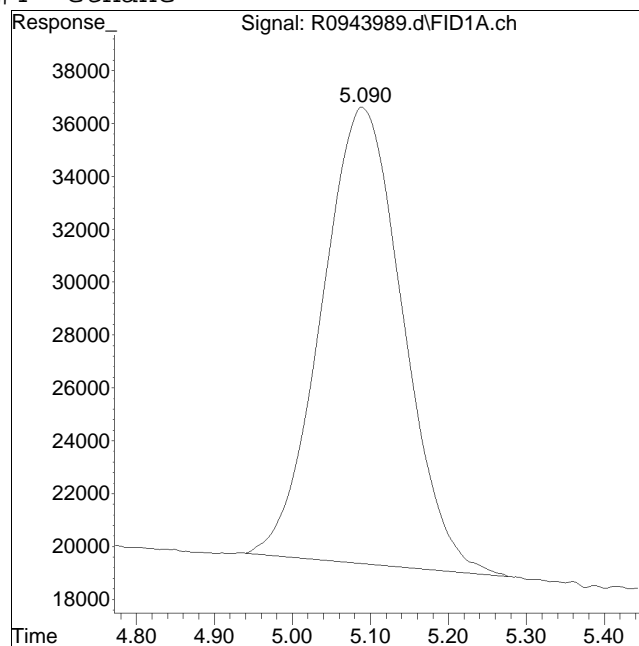
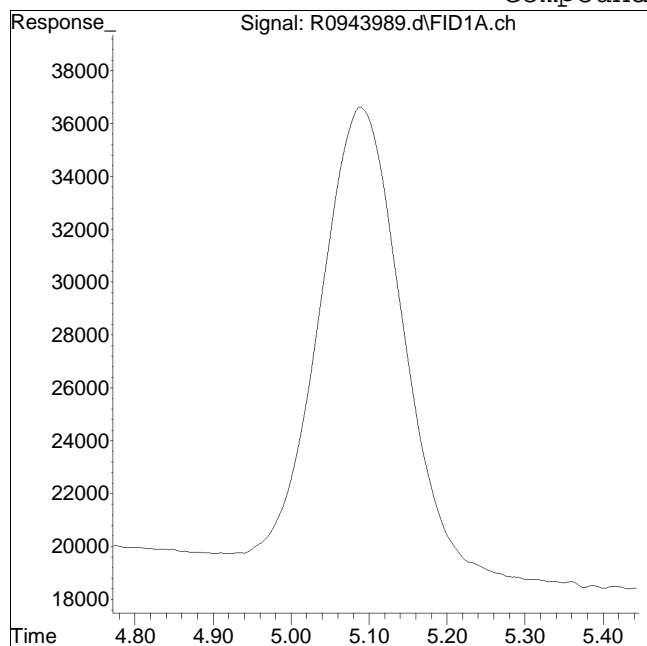
Manual Peak Response = 411689 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943989.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:34 pm Instrument : Airlab9
Sample : L2253502-06,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 1249819 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943990.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 7:52 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-07,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:24:13 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.174 | 423685600 | 3027.669 | ug/L M4 |
| 2) ethene | 4.217 | 28236023 | 198.069 | ug/L M4 |
| 4) ethane | 5.089 | 7345947 | 46.667 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

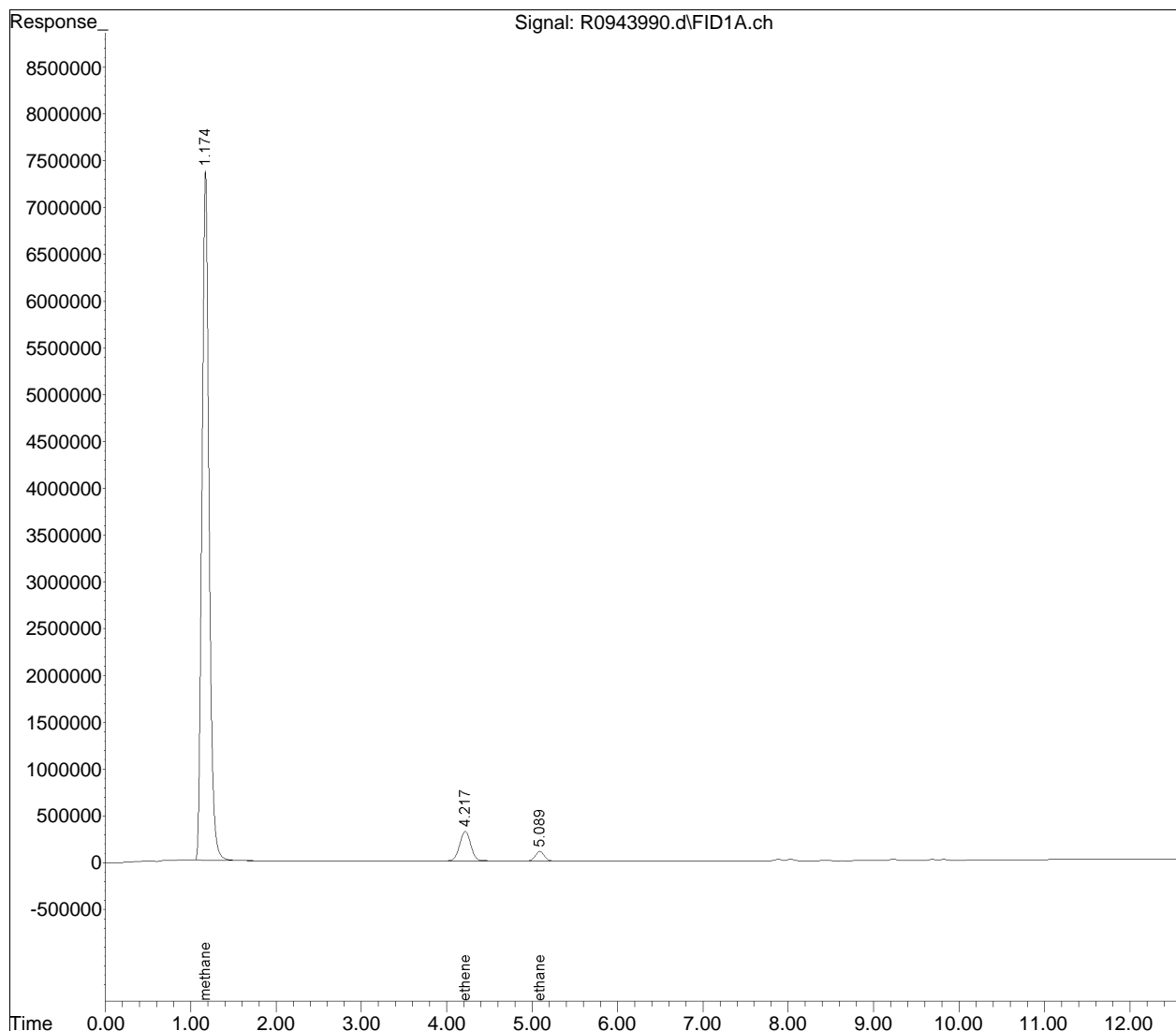
Quantitation Report (QT Reviewed)

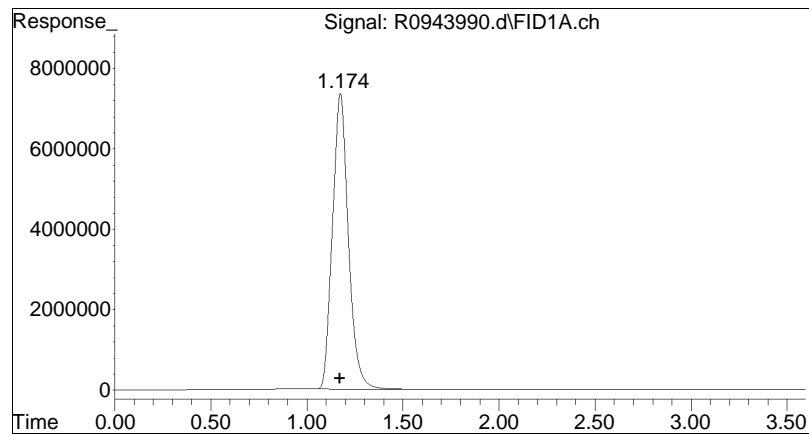
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943990.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 7:52 pm
Operator : AIRLAB9:BJB
Sample : L2253502-07,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:24:13 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

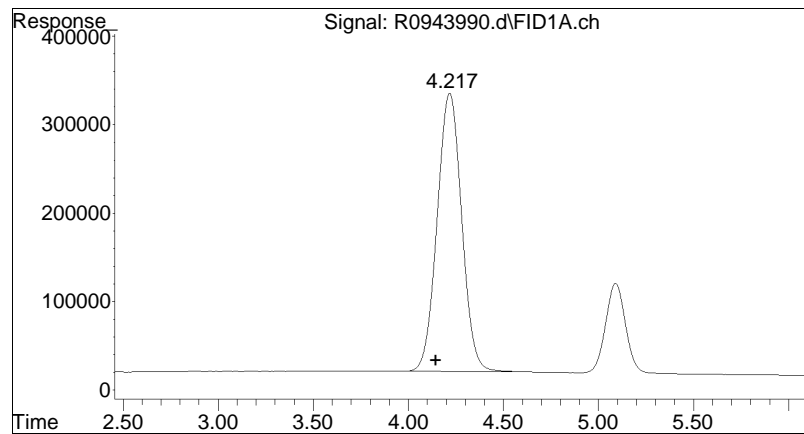
Sub List : MEE - All compounds listed





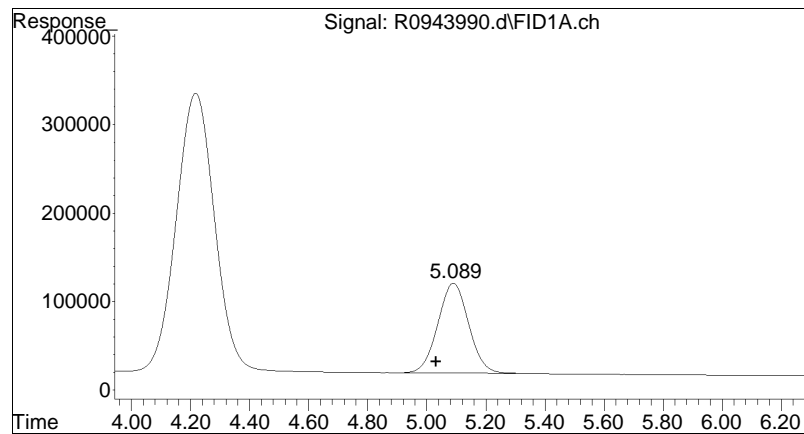
#1 methane

R.T.: 1.174 min
Delta R.T.: 0.004 min
Response: 423685600
Conc: 3027.67 ug/L M4



#2 ethene

R.T.: 4.217 min
Delta R.T.: 0.070 min
Response: 28236023
Conc: 198.07 ug/L M4



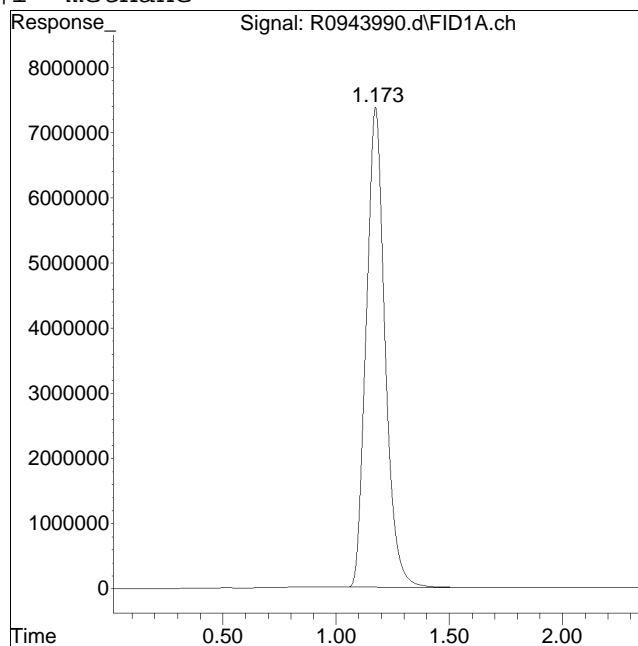
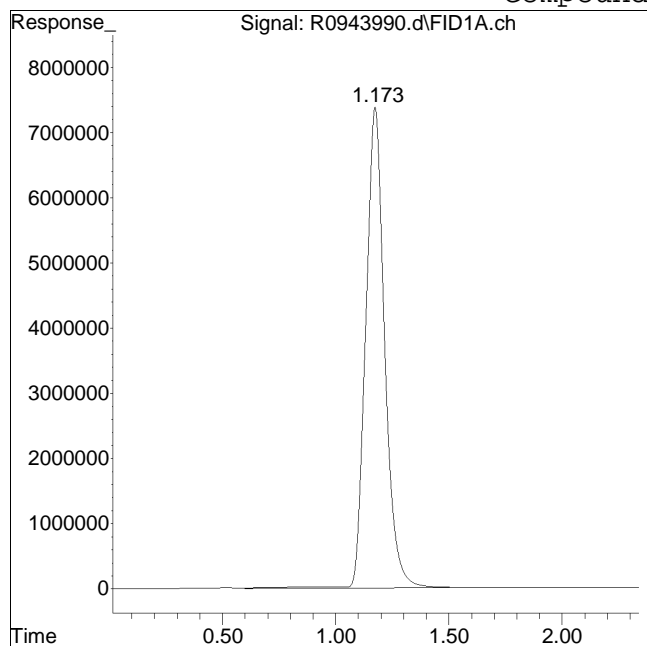
#4 ethane

R.T.: 5.089 min
Delta R.T.: 0.058 min
Response: 7345947
Conc: 46.67 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943990.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:52 pm Instrument : Airlab9
Sample : L2253502-07,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 430016756

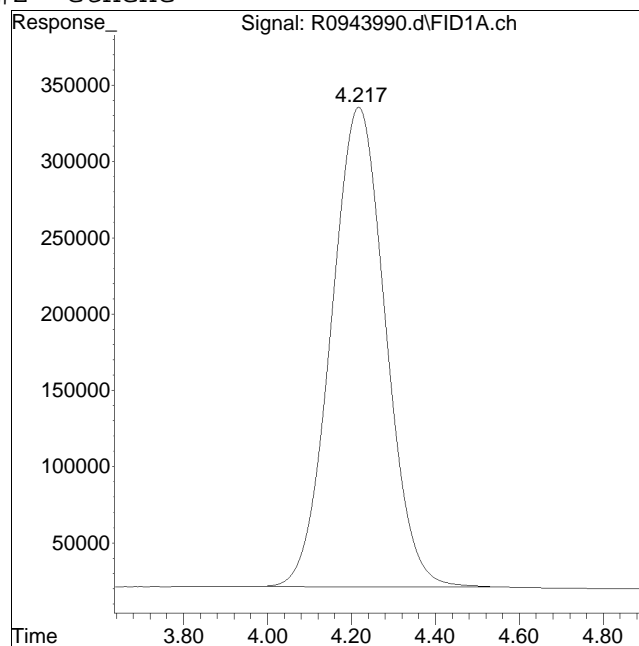
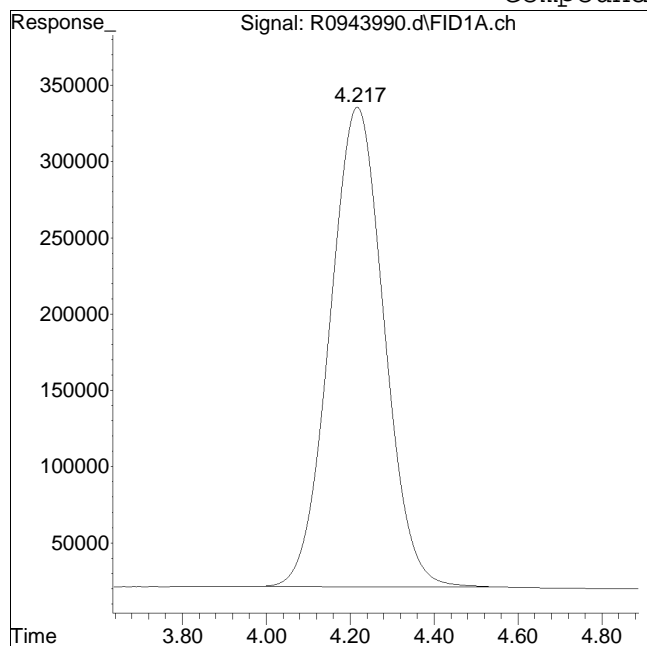
Manual Peak Response = 423685600 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943990.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:52 pm Instrument : Airlab9
Sample : L2253502-07,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 28203608

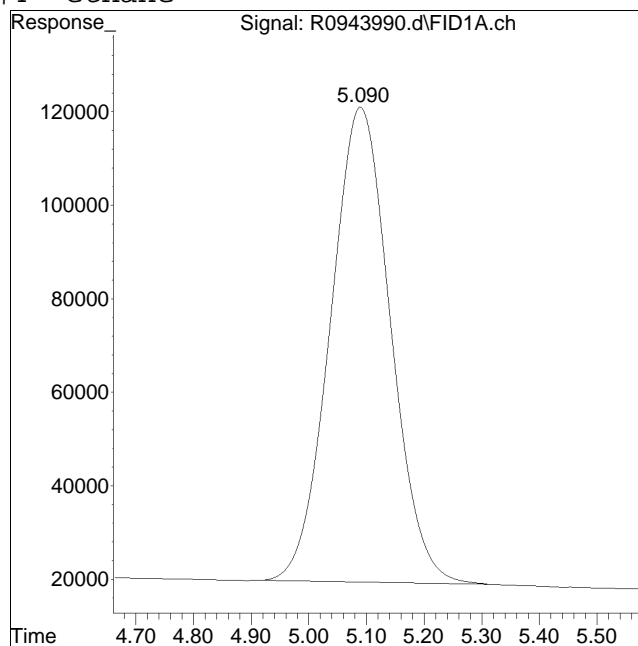
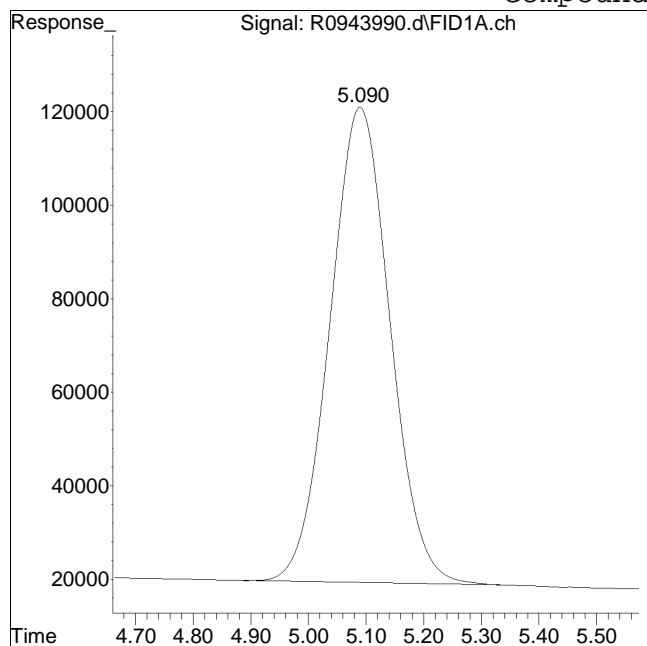
Manual Peak Response = 28236023 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943990.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 7:52 pm Instrument : Airlab9
Sample : L2253502-07,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 7364322

Manual Peak Response = 7345947 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943991.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 8:10 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-09,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:24:51 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|------------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.165 | 1360339281 | 9721.021 | ug/L M4 |
| 2) ethene | 4.224 | 5984081 | 41.977 | ug/L M4 |
| 4) ethane | 5.093 | 6716337 | 42.668 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

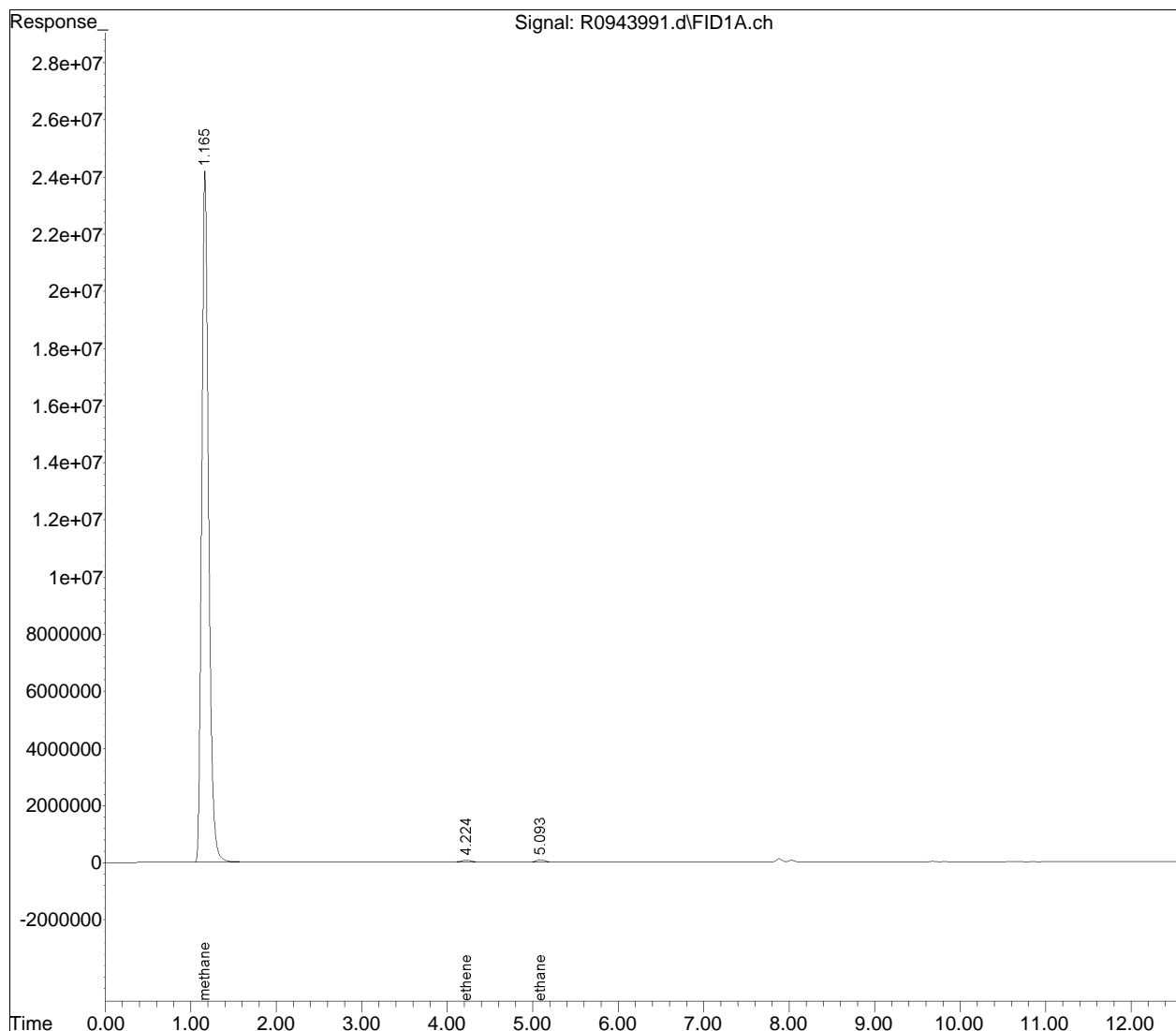
Quantitation Report (QT Reviewed)

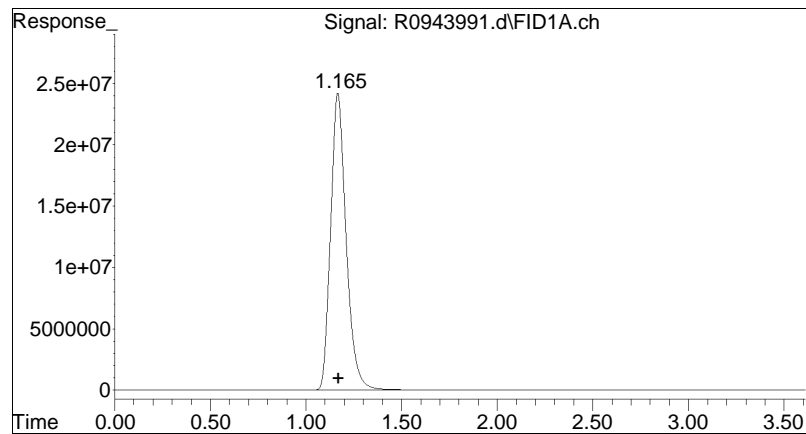
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943991.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 8:10 pm
Operator : AIRLAB9:BJB
Sample : L2253502-09,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:24:51 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

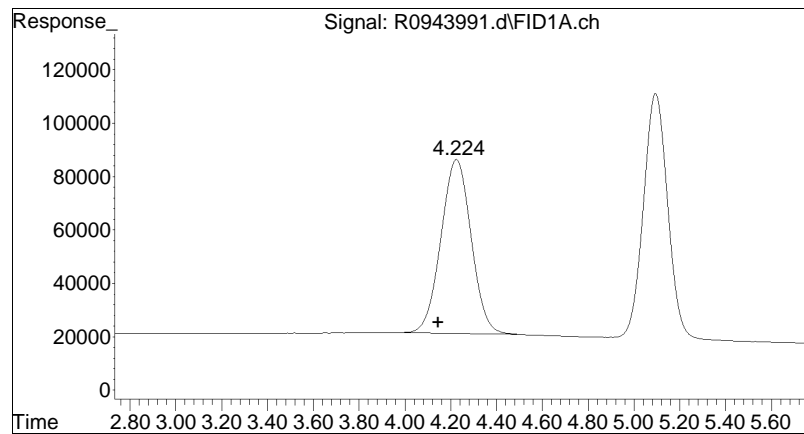
Sub List : MEE - All compounds listed





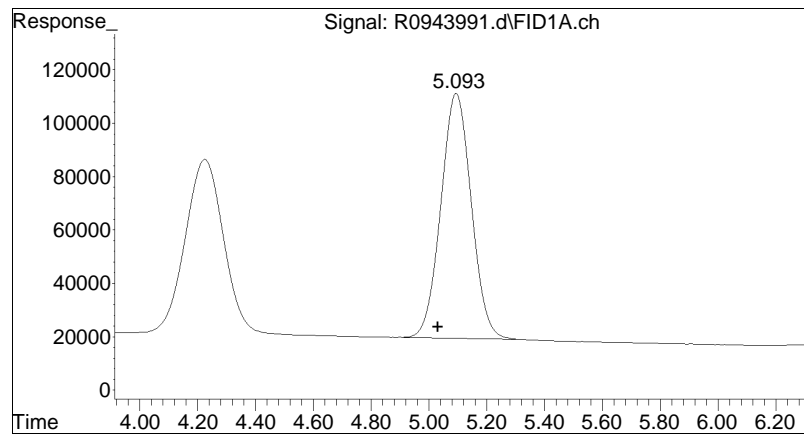
#1 methane

R.T.: 1.165 min
Delta R.T.: -0.005 min
Response: 1360339281
Conc: 9721.02 ug/L M4



#2 ethene

R.T.: 4.224 min
Delta R.T.: 0.077 min
Response: 5984081
Conc: 41.98 ug/L M4



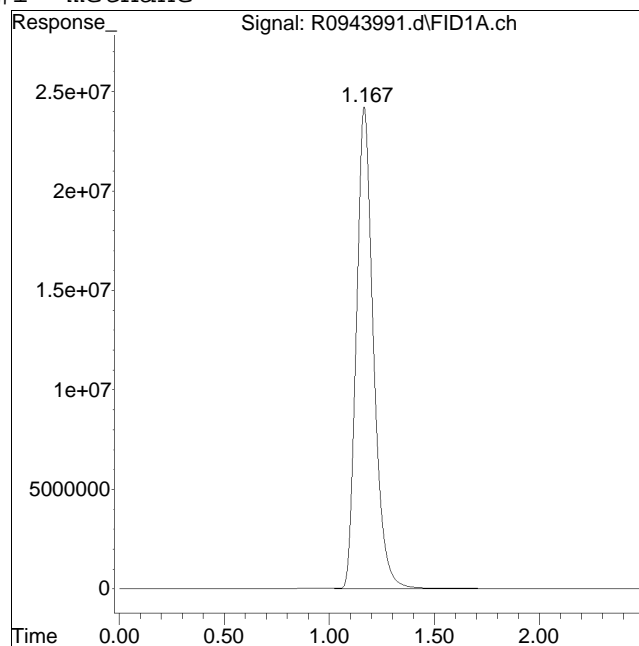
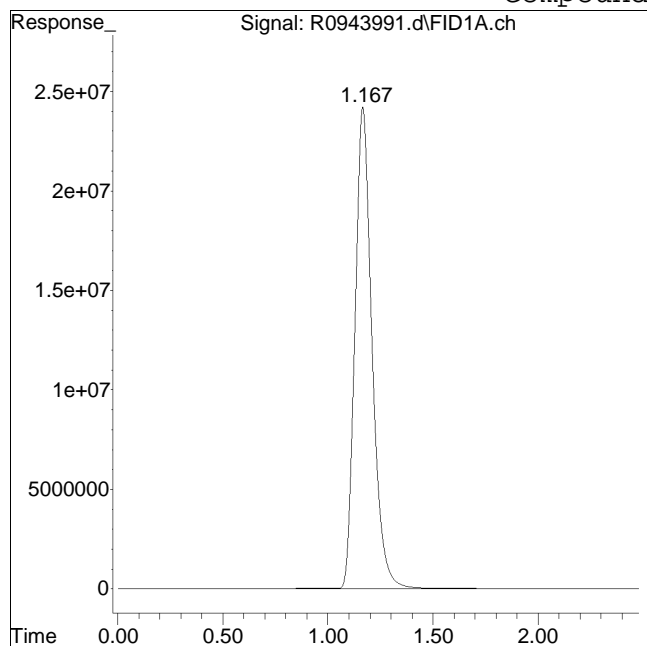
#4 ethane

R.T.: 5.093 min
Delta R.T.: 0.062 min
Response: 6716337
Conc: 42.67 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943991.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:10 pm Instrument : Airlab9
Sample : L2253502-09,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane

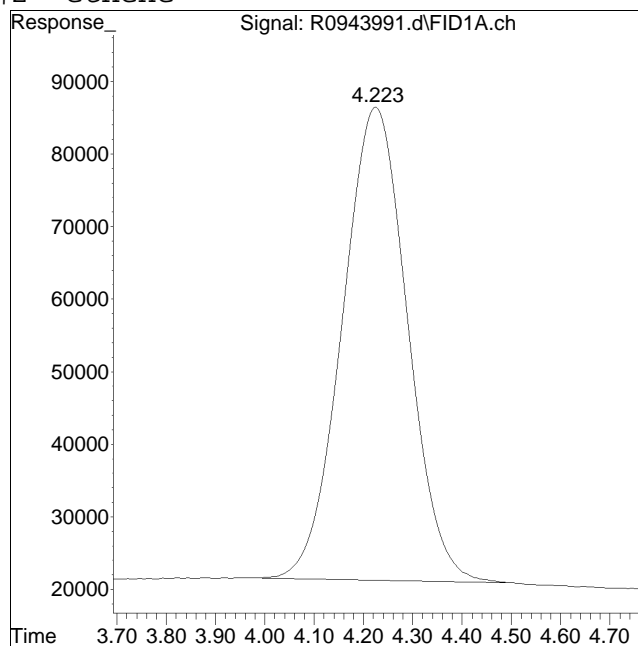
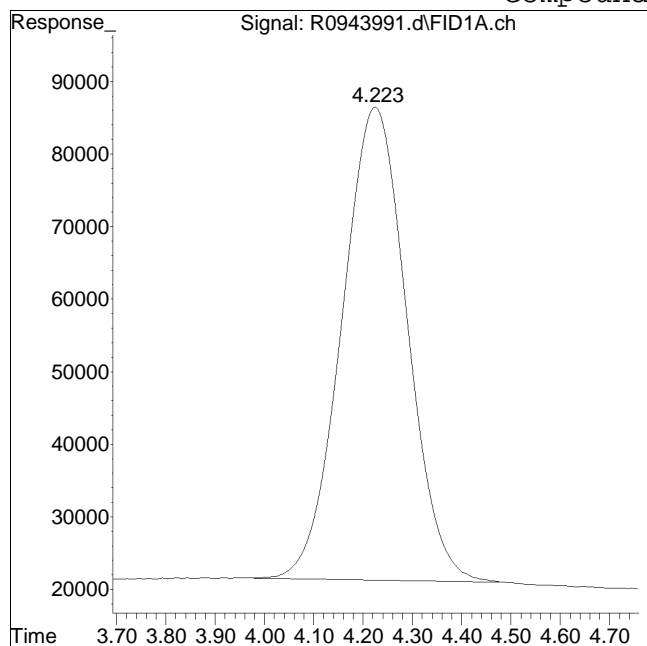


Original Peak Response = 1368486611 Manual Peak Response = 1360339281 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943991.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:10 pm Instrument : Airlab9
Sample : L2253502-09,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 5978498

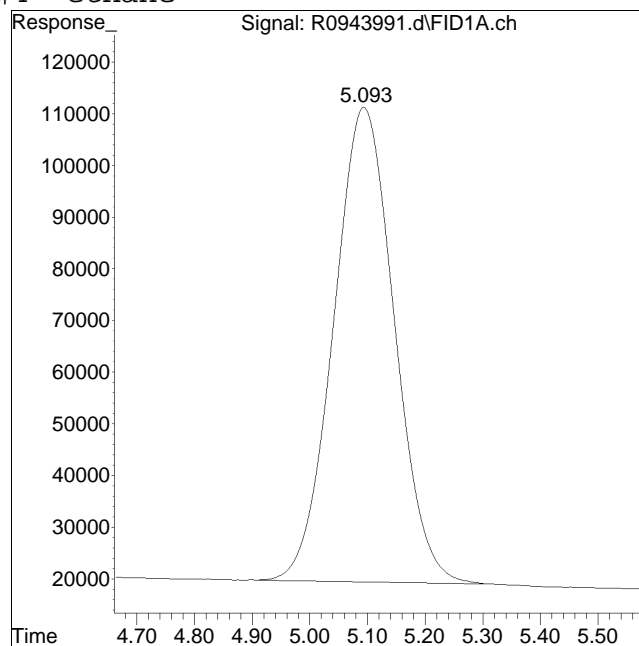
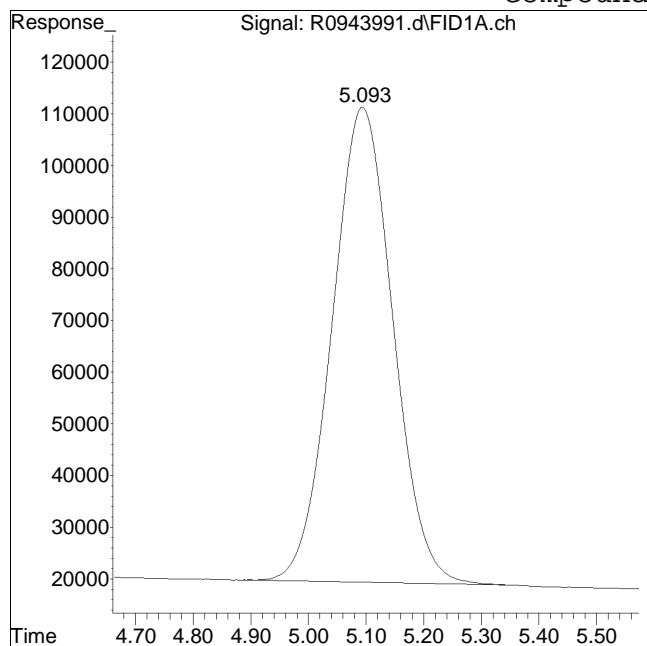
Manual Peak Response = 5984081 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943991.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:10 pm Instrument : Airlab9
Sample : L2253502-09,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 6730531

Manual Peak Response = 6716337 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943992.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 8:28 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-10,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:25:33 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.177 | 68426350 | 488.977 | ug/L M4 |
| 2) ethene | 4.207 | 48907 | 0.343 | ug/L M2 |
| 4) ethane | 5.090 | 1572226 | 9.988 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

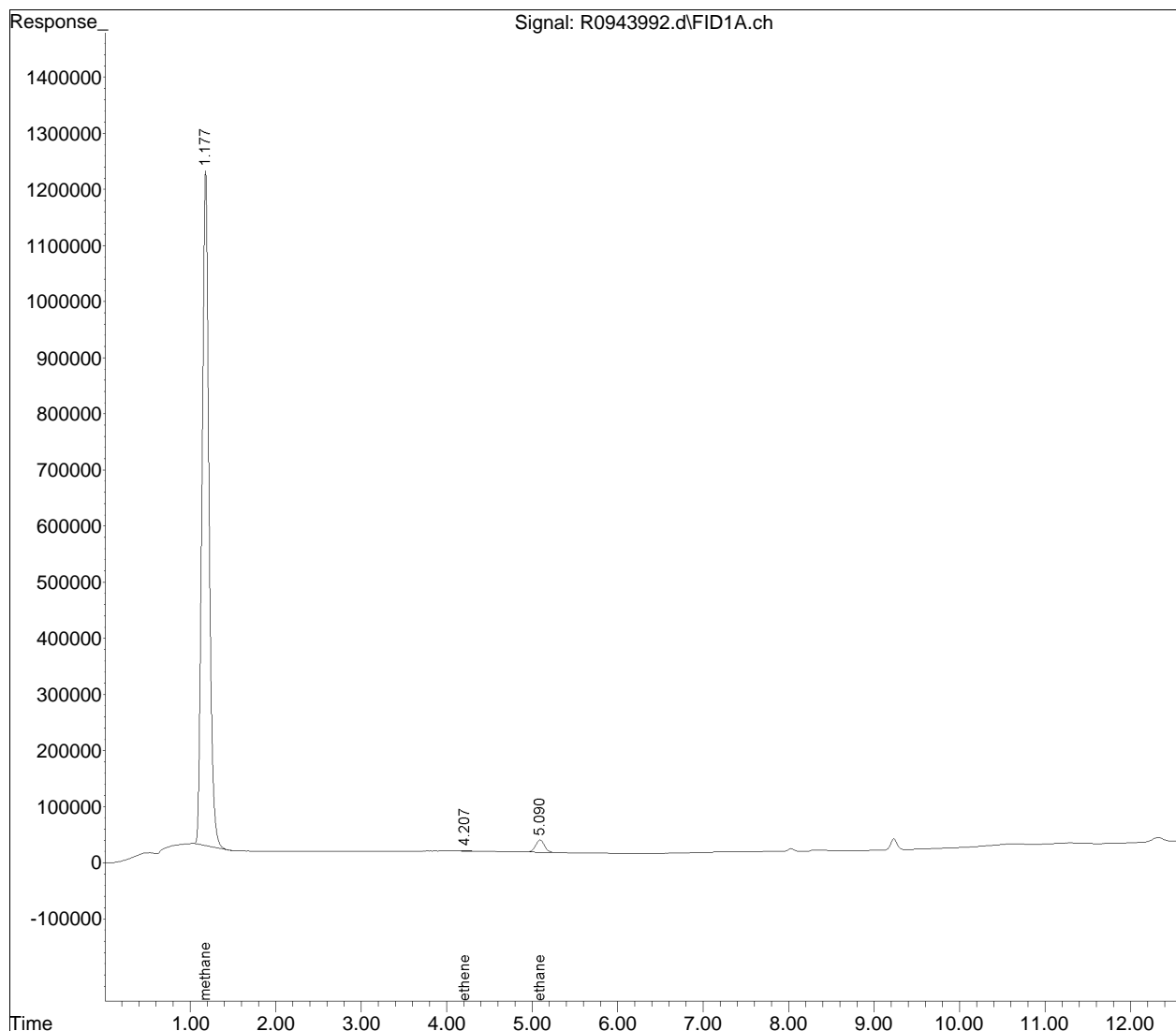
Quantitation Report (QT Reviewed)

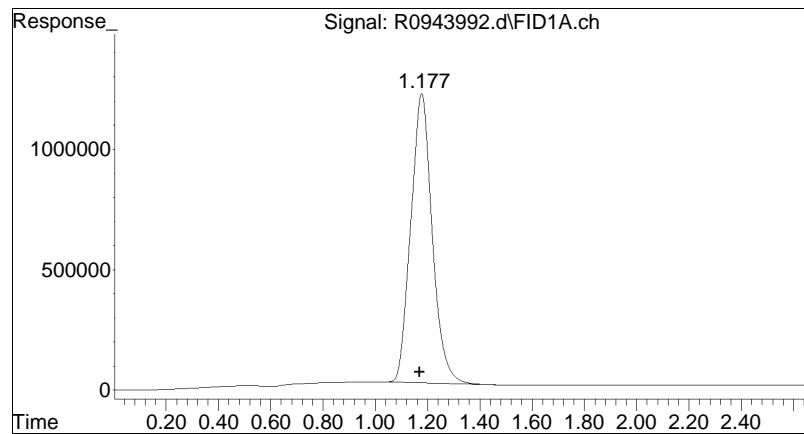
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943992.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 8:28 pm
Operator : AIRLAB9:BJB
Sample : L2253502-10,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:25:33 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

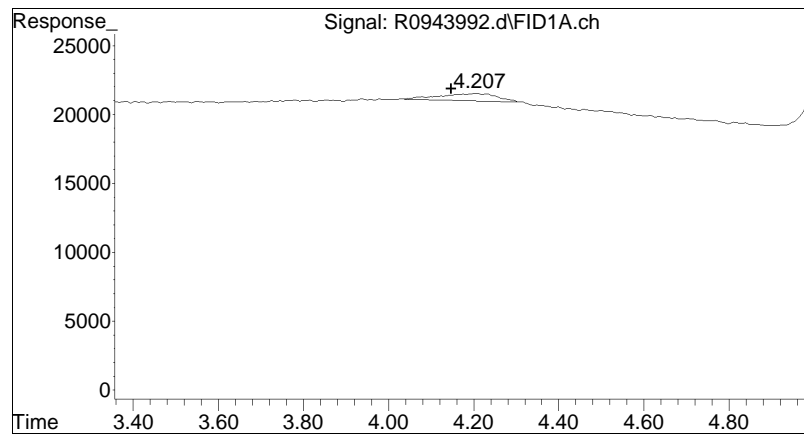
Sub List : MEE - All compounds listed





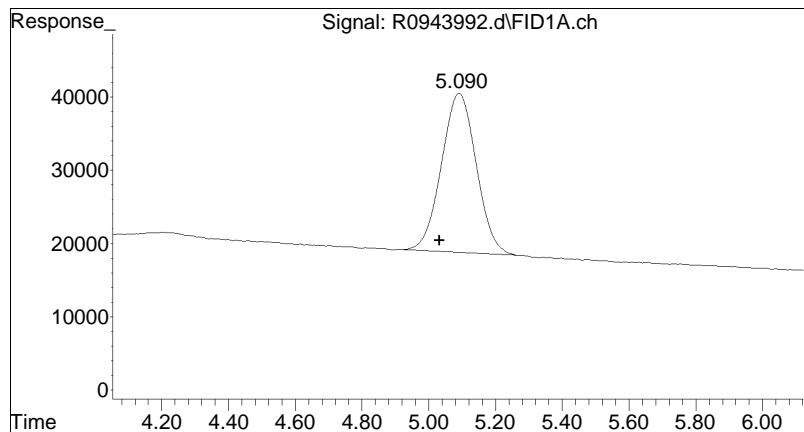
#1 methane

R.T.: 1.177 min
Delta R.T.: 0.007 min
Response: 68426350
Conc: 488.98 ug/L M4



#2 ethene

R.T.: 4.207 min
Delta R.T.: 0.060 min
Response: 48907
Conc: 0.34 ug/L M2



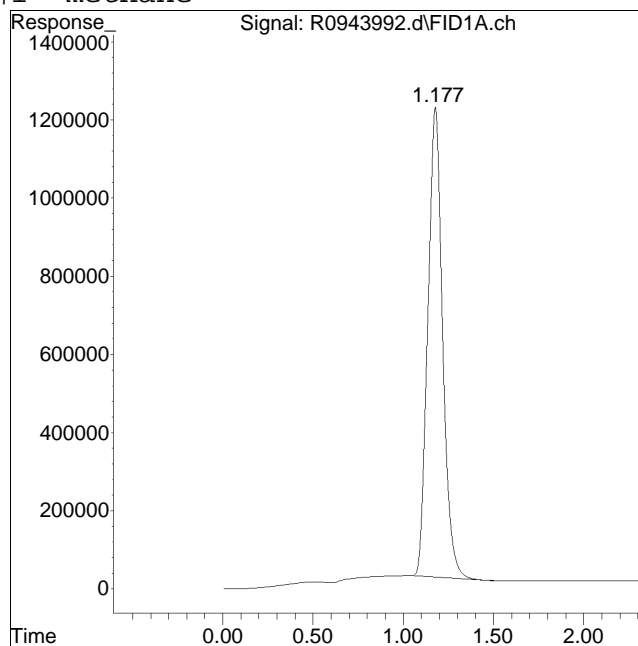
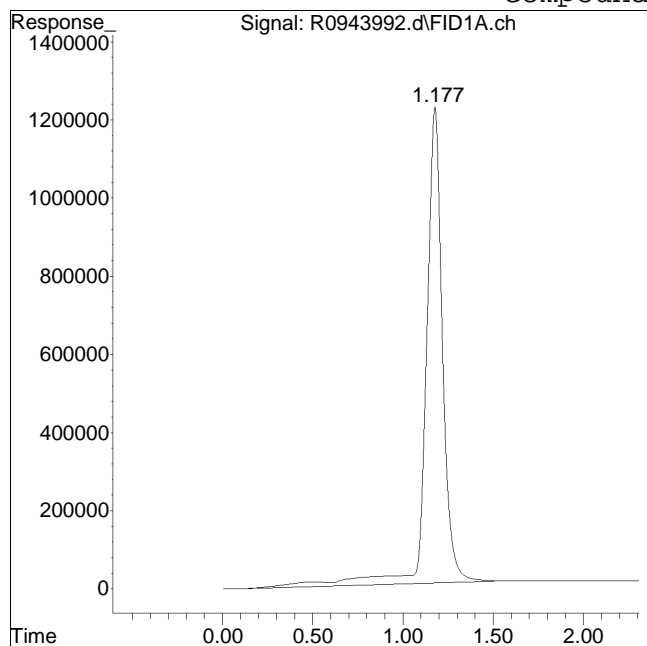
#4 ethane

R.T.: 5.090 min
Delta R.T.: 0.059 min
Response: 1572226
Conc: 9.99 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943992.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:28 pm Instrument : Airlab9
Sample : L2253502-10,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 78282231

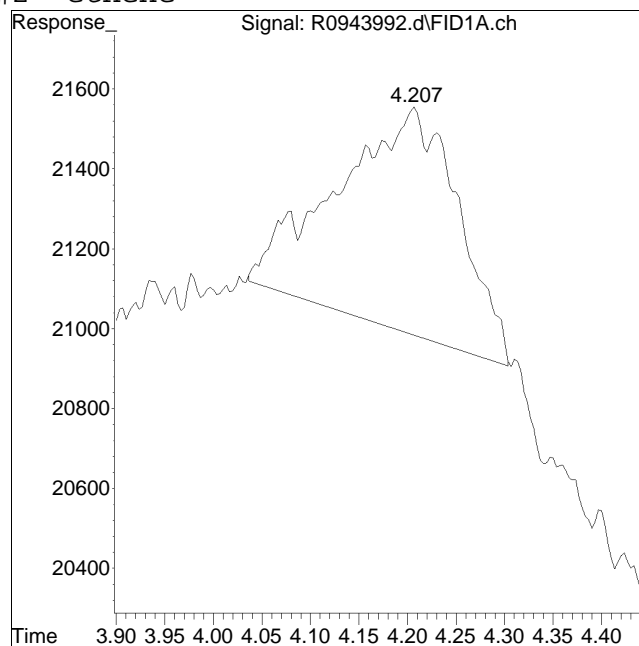
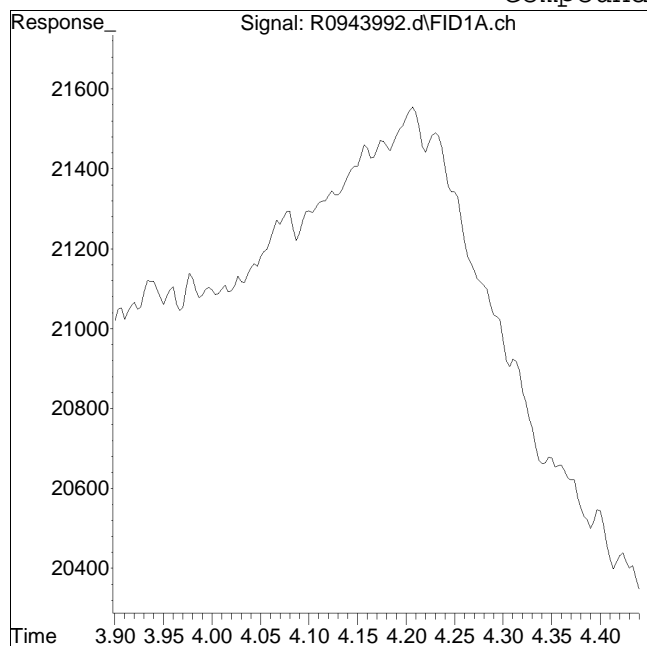
Manual Peak Response = 68426350 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943992.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:28 pm Instrument : Airlab9
Sample : L2253502-10,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 0

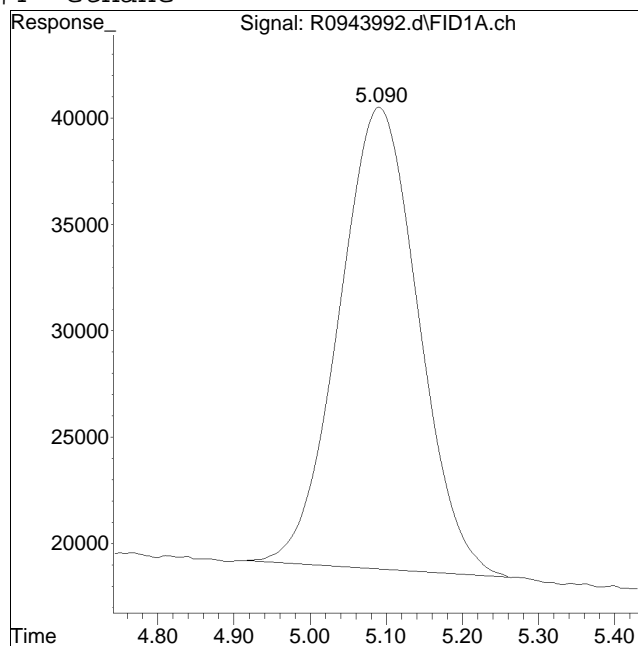
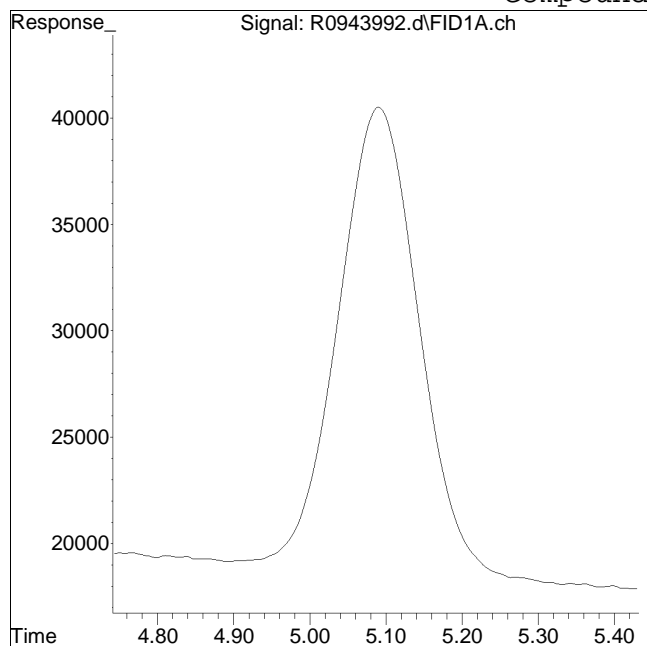
Manual Peak Response = 48907 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943992.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 8:28 pm Instrument : Airlab9
Sample : L2253502-10,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 1572226 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943996.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 9:48 pm
 Operator : AIRLAB9:BJB
 Sample : L2253502-12,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:27:15 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.177 | 70218200 | 501.781 | ug/L M4 |
| 2) ethene | 4.207 | 62275 | 0.437 | ug/L M2 |
| 3) acetylene | 0.000 | 0 | N.D. | ug/L |
| 4) ethane | 5.088 | 1601533 | 10.174 | ug/L M2 |
| 5) propene | 0.000 | 0 | N.D. | ug/L |
| 6) propane | 0.000 | 0 | N.D. | ug/L |
| 7) butane | 0.000 | 0 | N.D. | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

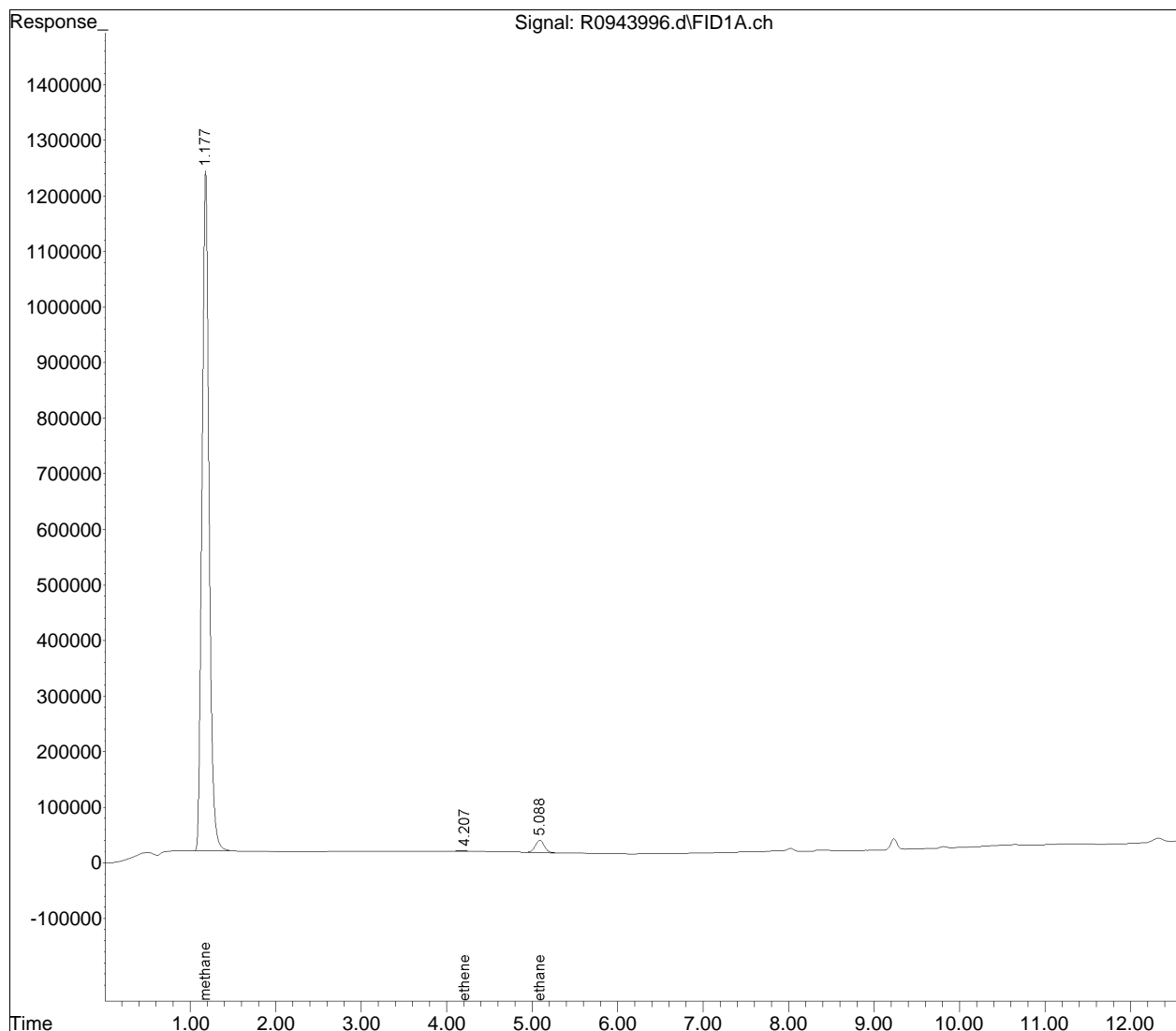
Quantitation Report (QT Reviewed)

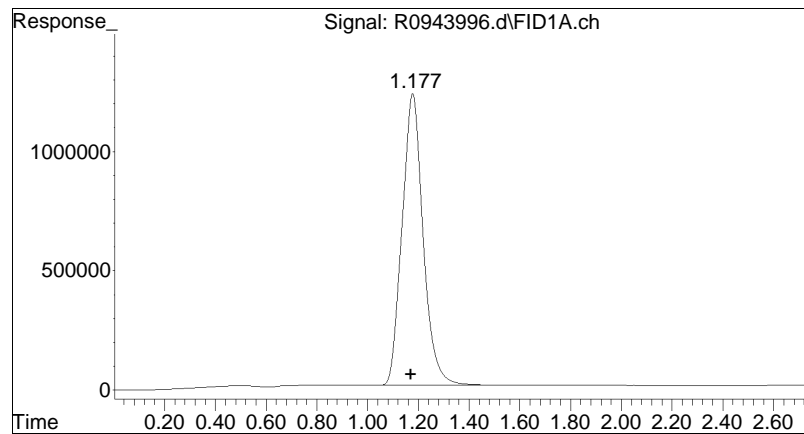
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943996.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 9:48 pm
Operator : AIRLAB9:BJB
Sample : L2253502-12,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:27:15 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

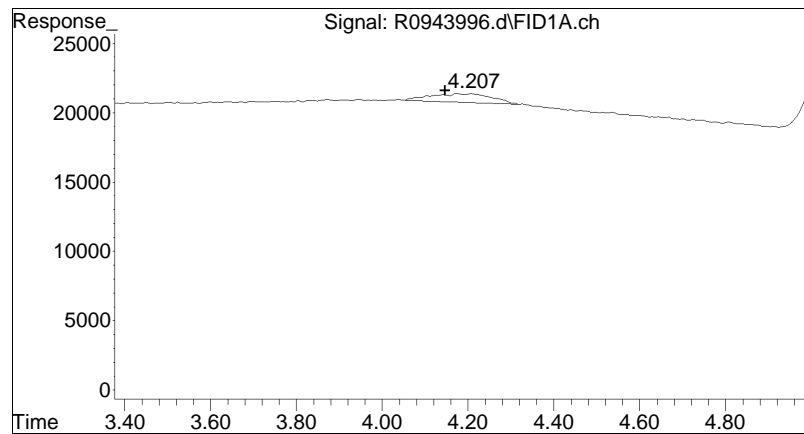
Sub List : Default - All compounds listed





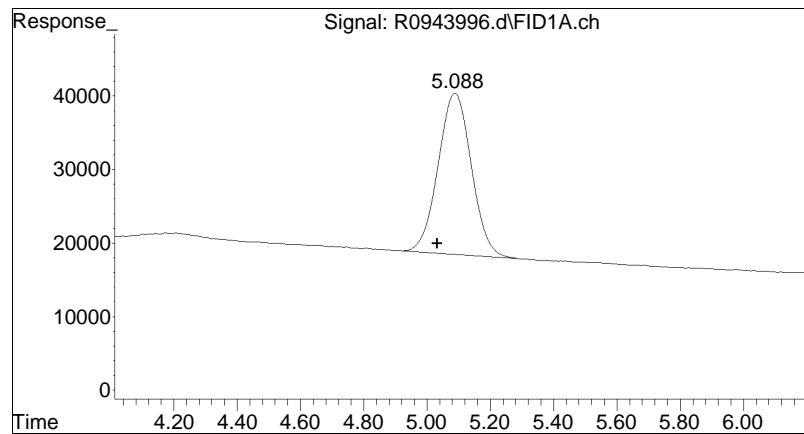
#1 methane

R.T.: 1.177 min
Delta R.T.: 0.007 min
Response: 70218200
Conc: 501.78 ug/L M4



#2 ethene

R.T.: 4.207 min
Delta R.T.: 0.060 min
Response: 62275
Conc: 0.44 ug/L M2



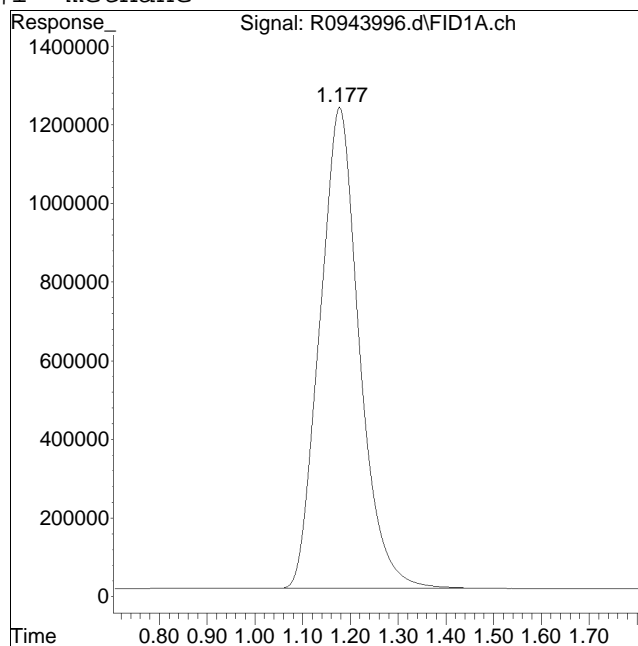
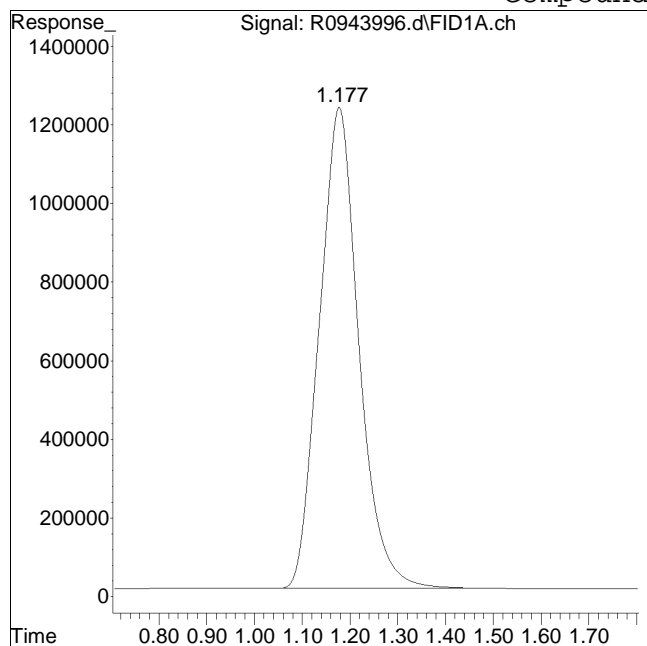
#4 ethane

R.T.: 5.088 min
Delta R.T.: 0.057 min
Response: 1601533
Conc: 10.17 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943996.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 9:48 pm Instrument : Airlab9
Sample : L2253502-12,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #1: methane



Original Peak Response = 70222651

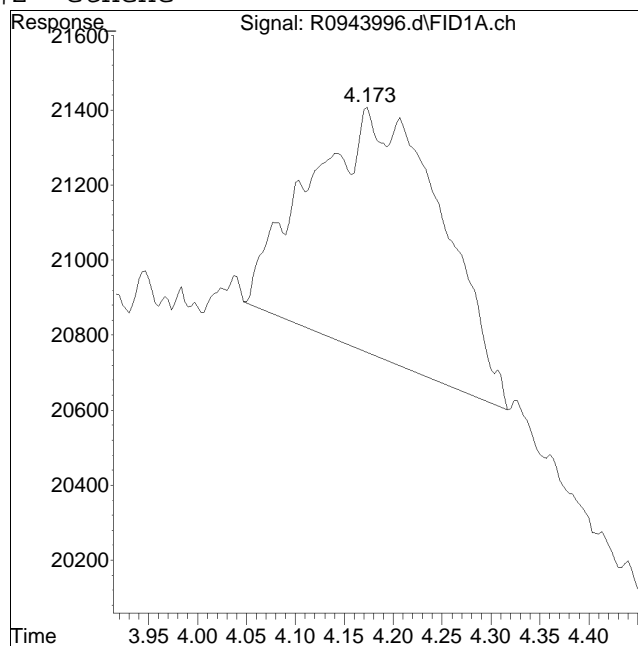
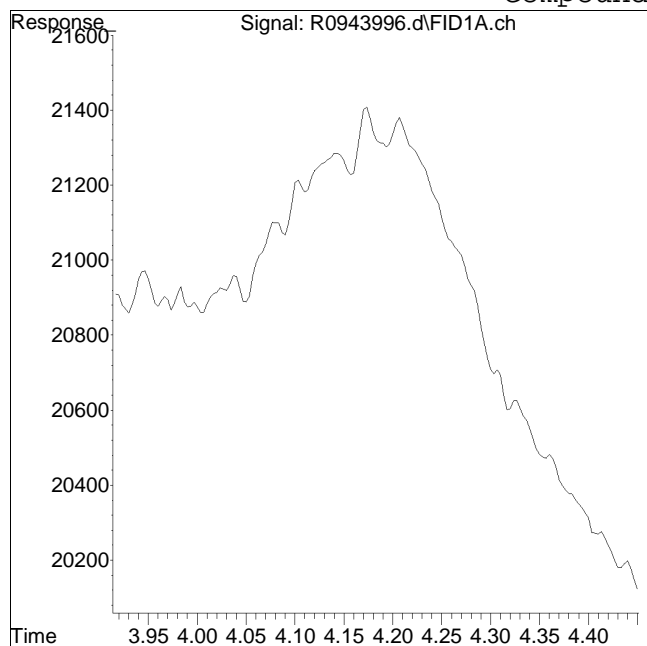
Manual Peak Response = 70218200 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943996.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 9:48 pm Instrument : Airlab9
Sample : L2253502-12,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #2: ethene



Original Peak Response = 0

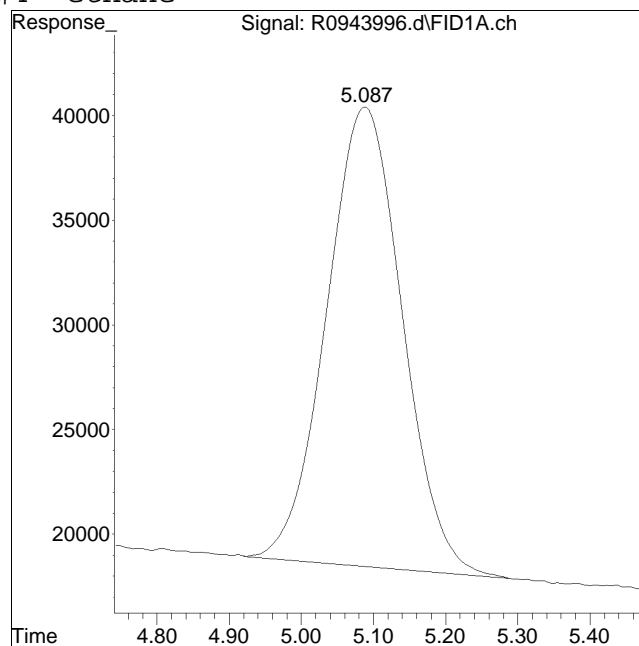
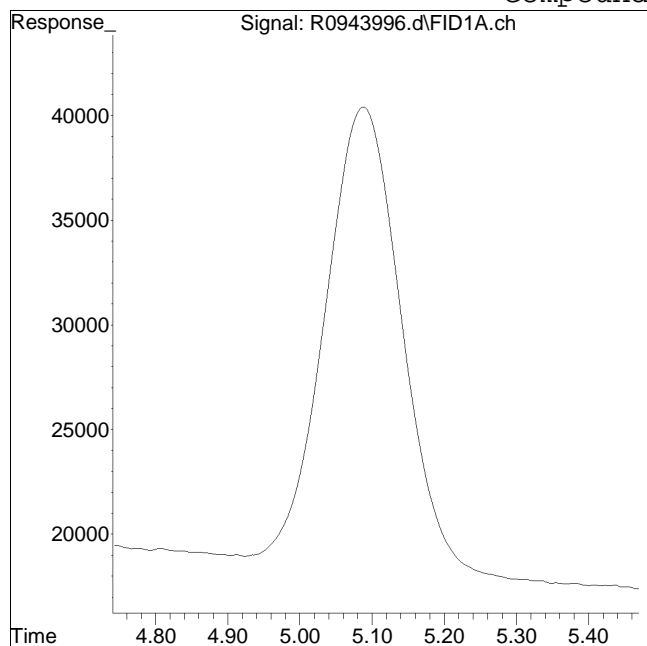
Manual Peak Response = 62275 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943996.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 9:48 pm Instrument : Airlab9
Sample : L2253502-12,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 1601533 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944035.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 10:15 am
 Operator : AIRLAB9:BJB
 Sample : L2253502-11,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 13:11:44 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|------------|-------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.215 | 189135 | 1.352 ug/L | M2 |
| 2) ethene | 4.129 | 31491 | 0.221 ug/L | M2 |
| 4) ethane | 0.000 | 0 | N.D. ug/L | |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

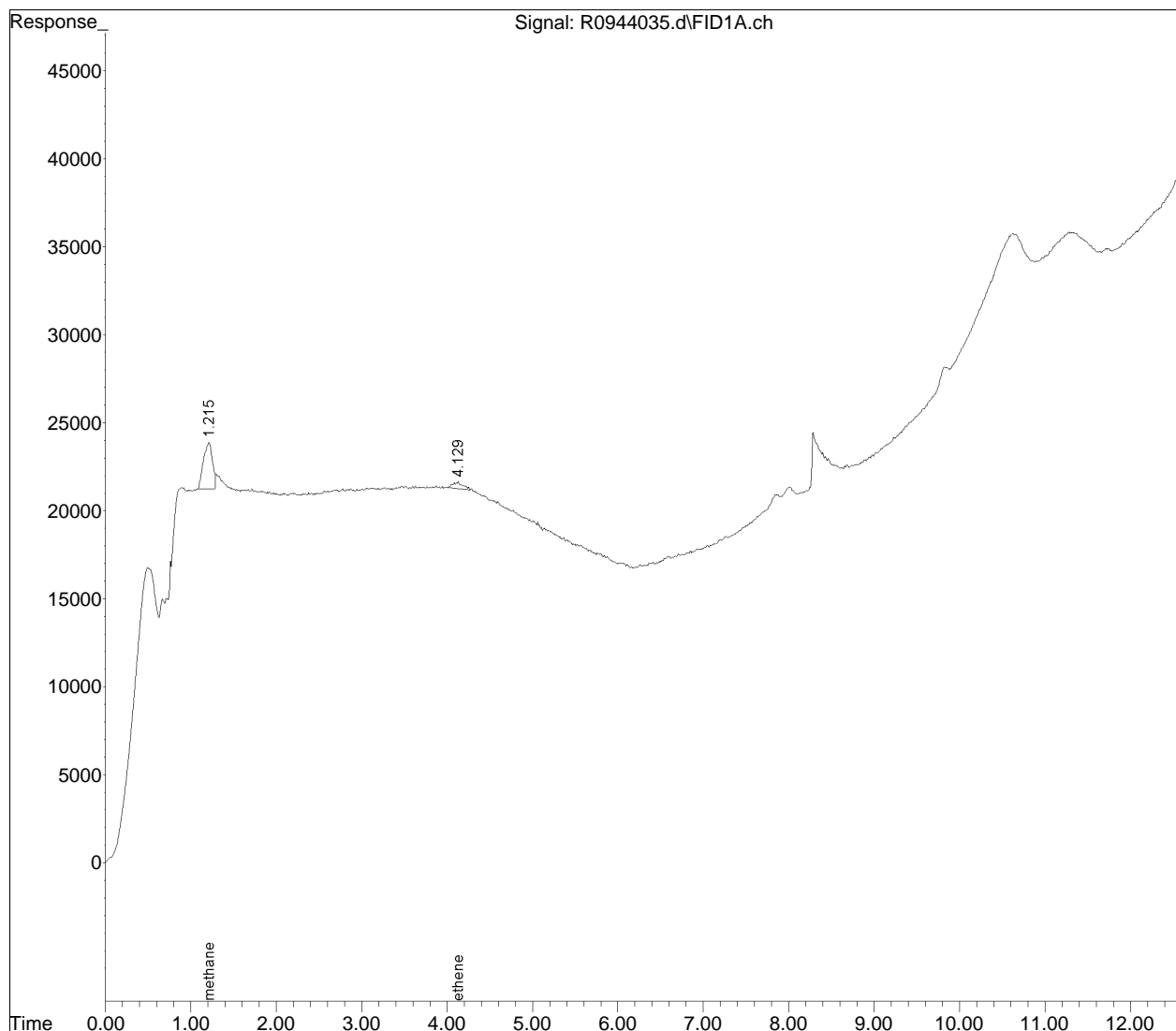
Quantitation Report (QT Reviewed)

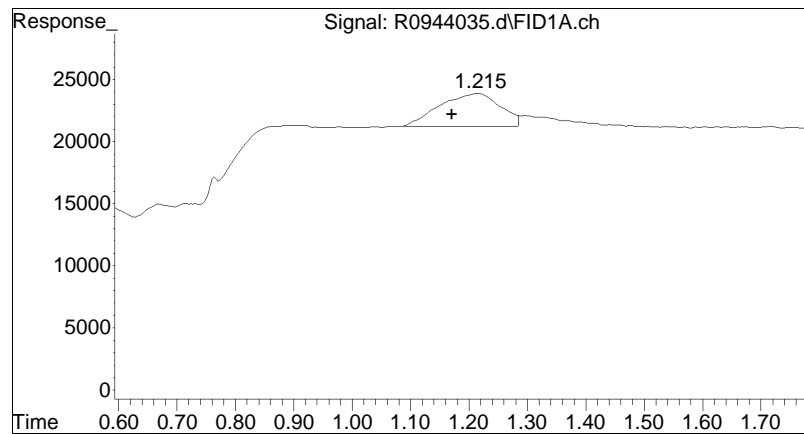
Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944035.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 10:15 am
Operator : AIRLAB9:BJB
Sample : L2253502-11,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 13:11:44 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

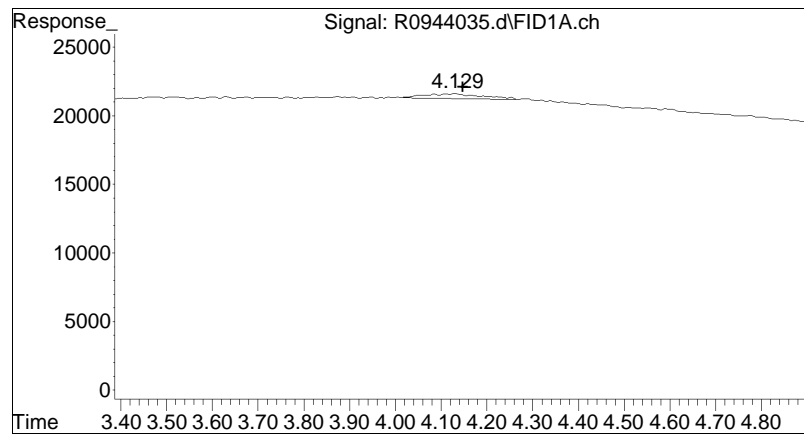
Sub List : MEE - All compounds listed





#1 methane

R.T.: 1.215 min
Delta R.T.: 0.045 min
Response: 189135
Conc: 1.35 ug/L M2

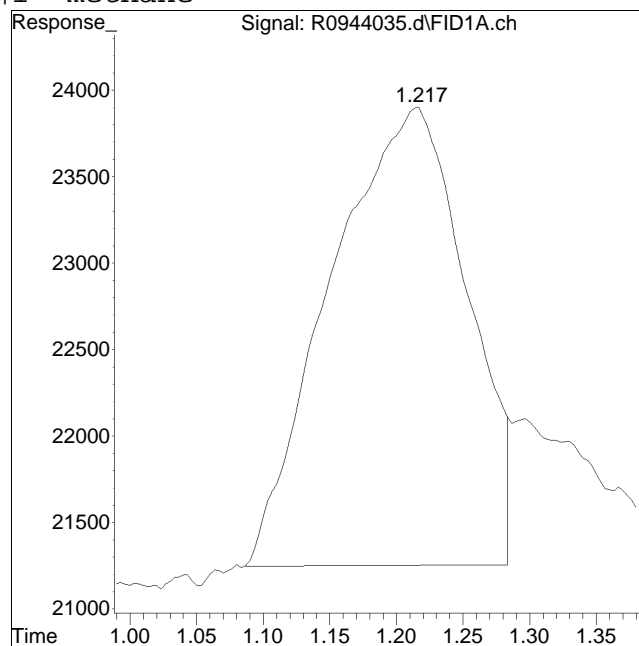
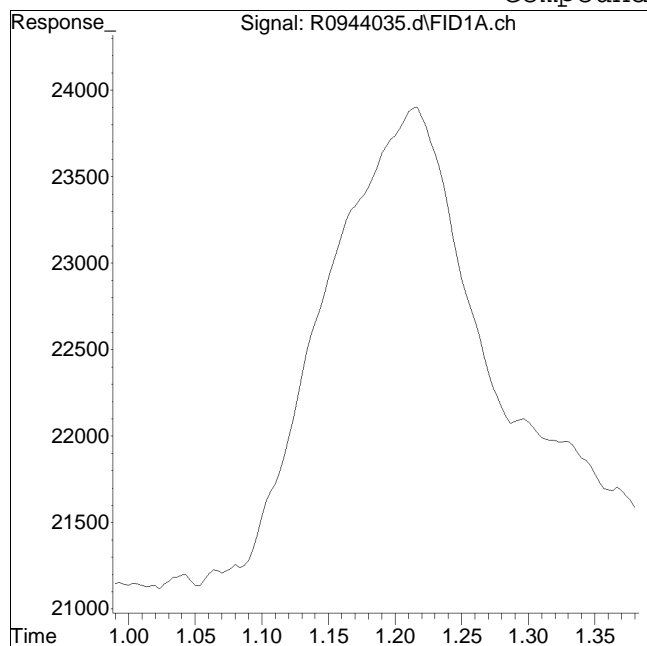


#2 ethene
R.T.: 4.129 min
Delta R.T.: -0.017 min
Response: 31491
Conc: 0.22 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944035.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 10:15 am Instrument : Airlab9
Sample : L2253502-11,4,0.5,0.5 Quant Date : 10/4/2022 11:57 am

Compound #1: methane



Original Peak Response = 0

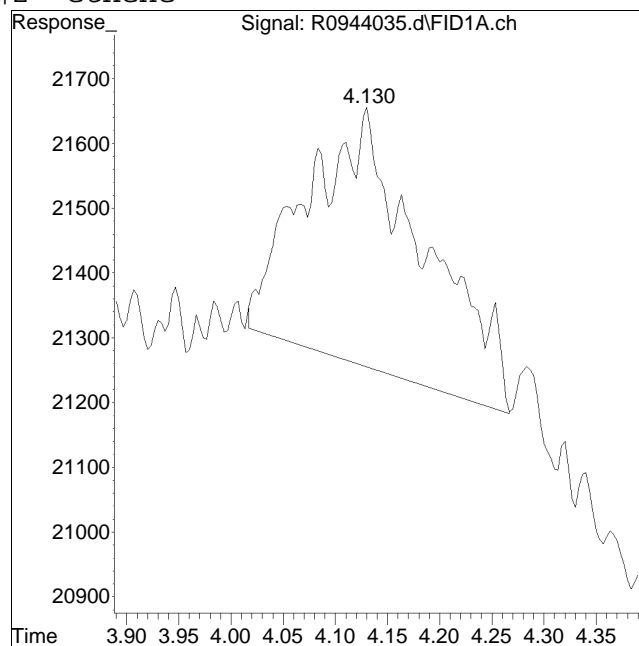
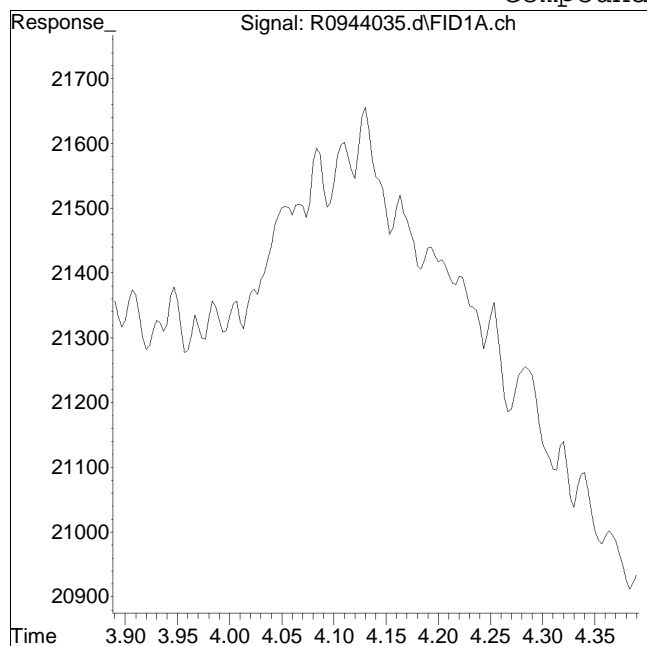
Manual Peak Response = 189135 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944035.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 10:15 am Instrument : Airlab9
Sample : L2253502-11,4,0.5,0.5 Quant Date : 10/4/2022 11:57 am

Compound #2: ethene



Original Peak Response = 0

Manual Peak Response = 31491 M2

M2 = Peak not found by automatic integration algorithm.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : AIRLAB9
Calibration dates : 05/11/20 15:46 05/11/20 18:04

Lab Number : L2253502
Project Number : 0047.0044Y047
Ical Ref : ICAL16772

Calibration Files

L1 =R0932150.d L2 =R0932151.d L3 =R0932152.d L4 =R0932153.d L5 =R0932154.d L6 =R0932155.d
 L7 =R0932156.d L8Me=R0932157.d

| Compound | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8Me | Avg | %RSD |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1) methane | 1.616 | 1.559 | 1.225 | 1.421 | 1.279 | 1.350 | 1.552 | 1.398 | *LFE5 | 0.9999 |
| 2) ethene | 1.044 | 1.285 | 1.157 | 1.313 | 1.232 | 1.278 | 1.470 | | *LFE5 | 0.9957 |
| 3) acetylene | | 2.377 | 2.256 | 2.872 | 2.677 | 3.021 | | | *LFE4 | 0.9979 |
| 4) ethane | 0.848 | 1.216 | 1.254 | 1.439 | 1.371 | 1.407 | 1.624 | | *LFE5 | 0.9956 |
| 5) propene | 0.892 | 0.949 | 0.992 | 1.099 | 1.121 | 1.156 | 1.303 | | *LFE5 | 0.9969 |
| 6) propane | 1.009 | 1.123 | 1.176 | 1.314 | 1.341 | 1.375 | 1.526 | | *LFE5 | 0.9976 |
| 7) butane | 1.248 | 1.052 | 1.133 | 1.230 | 1.349 | 1.370 | 1.479 | | *LFE5 | 0.9987 |



Response Factor Report Airlab9

Method Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Method File : DG9_200511.M
 Title : Dissolved Gases
 Last Update : Tue May 12 07:13:18 2020
 Response Via : Initial Calibration

Calibration Files

L1 =R0932150.d L2 =R0932151.d L3 =R0932152.d L4 =R0932153.d L5 =R0932154.d L6 =R0932155.d
 L7 =R0932156.d L8Me=R0932157.d

| Compound | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8Me | Avg | %RSD |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1) methane | 1.616 | 1.559 | 1.225 | 1.421 | 1.279 | 1.350 | 1.552 | 1.398 | *LFE5 | 0.9999 |
| 2) ethene | 1.044 | 1.285 | 1.157 | 1.313 | 1.232 | 1.278 | 1.470 | | *LFE5 | 0.9957 |
| 3) acetylene | | 2.377 | 2.256 | 2.872 | 2.677 | 3.021 | | | *LFE4 | 0.9979 |
| 4) ethane | 0.848 | 1.216 | 1.254 | 1.439 | 1.371 | 1.407 | 1.624 | | *LFE5 | 0.9956 |
| 5) propene | 0.892 | 0.949 | 0.992 | 1.099 | 1.121 | 1.156 | 1.303 | | *LFE5 | 0.9969 |
| 6) propane | 1.009 | 1.123 | 1.176 | 1.314 | 1.341 | 1.375 | 1.526 | | *LFE5 | 0.9976 |
| 7) butane | 1.248 | 1.052 | 1.133 | 1.230 | 1.349 | 1.370 | 1.479 | | *LFE5 | 0.9987 |

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932150.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 3:46 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD01
 Misc : WG1369720
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:04:31 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| Target Compounds | | | | |
| 1) methane | 1.150 | 50096 | 0.360 | ug/L M4 |
| 2) ethene | 4.130 | 55354 | 0.428 | ug/L M4 |
| 3) acetylene | 0.000 | 0 | N.D. | ug/L d |
| 4) ethane | 5.027 | 48353 | 0.339 | ug/L M4 |
| 5) propene | 7.865 | 69567 | 0.623 | ug/L m |
| 6) propane | 8.013 | 84771 | 0.645 | ug/L |
| 7) butane | 9.810 | 138481 | 1.126 | ug/L M4 |

(f)=RT Delta > 1/2 Window

(m)=manual int.

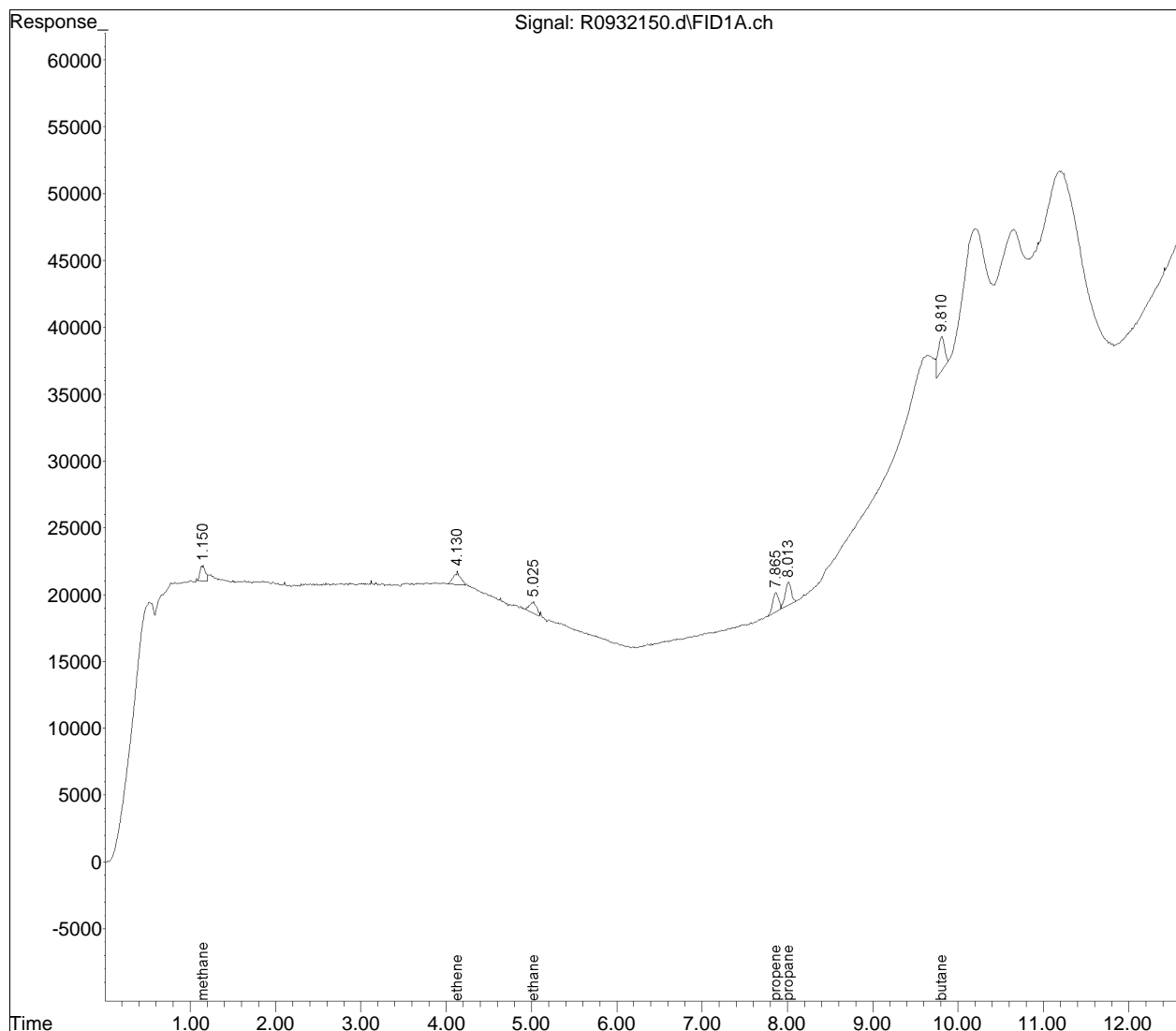
Quantitation Report (QT Reviewed)

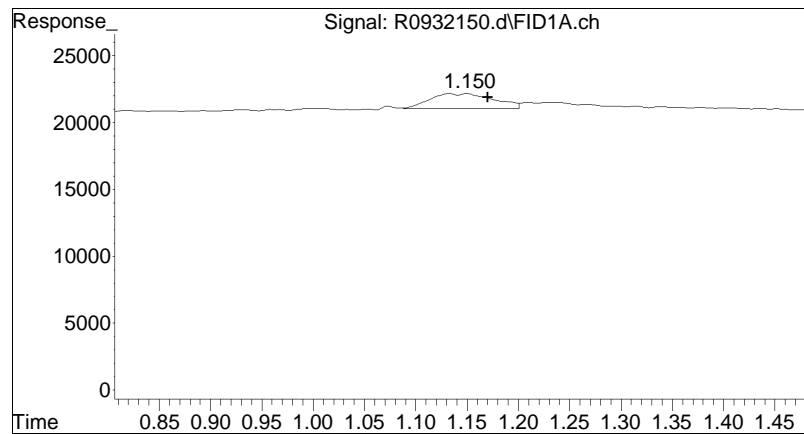
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932150.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 3:46 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD01
Misc : WG1369720
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:04:31 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

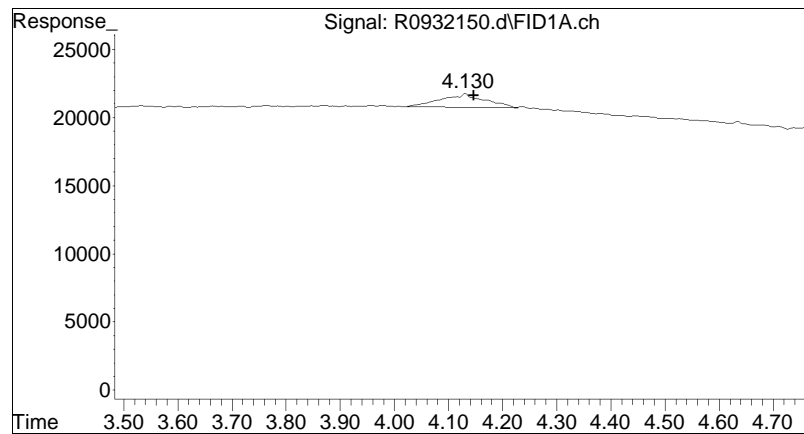
Sub List : Default - All compounds listed





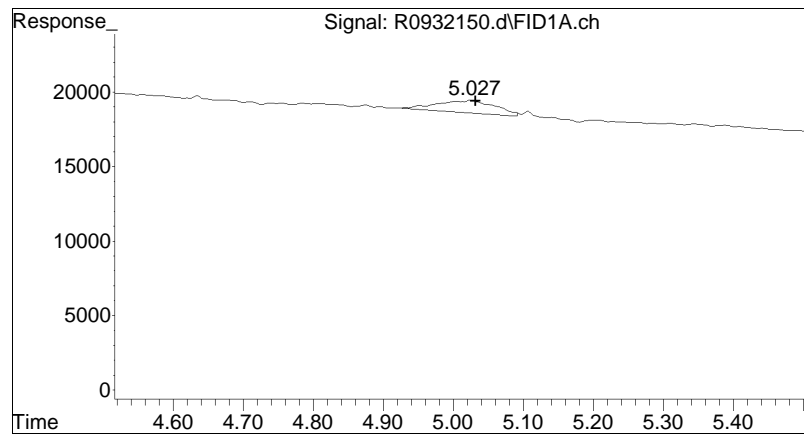
#1 methane

R.T.: 1.150 min
Delta R.T.: -0.020 min
Response: 50096
Conc: 0.36 ug/L M4



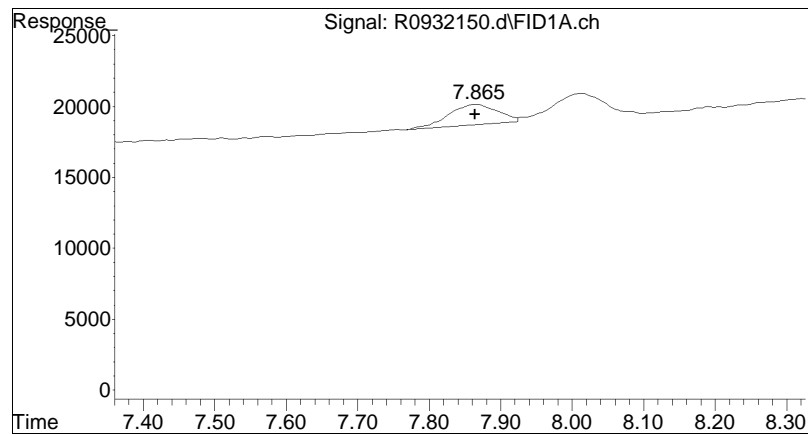
#2 ethene

R.T.: 4.130 min
Delta R.T.: -0.016 min
Response: 55354
Conc: 0.43 ug/L M4



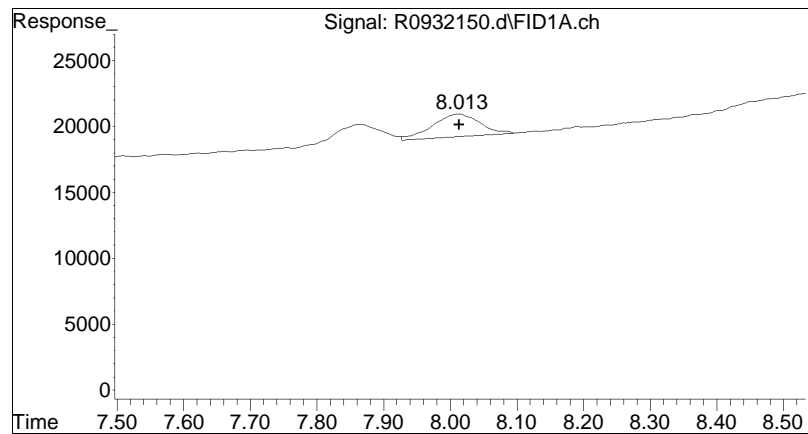
#4 ethane

R.T.: 5.027 min
Delta R.T.: -0.005 min
Response: 48353
Conc: 0.34 ug/L M4



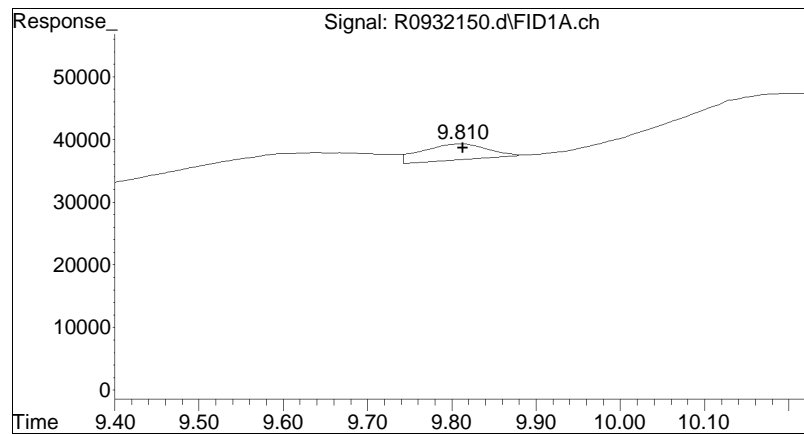
#5 propene

R.T.: 7.865 min
Delta R.T.: 0.001 min
Response: 69567
Conc: 0.62 ug/L m



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 84771
Conc: 0.64 ug/L



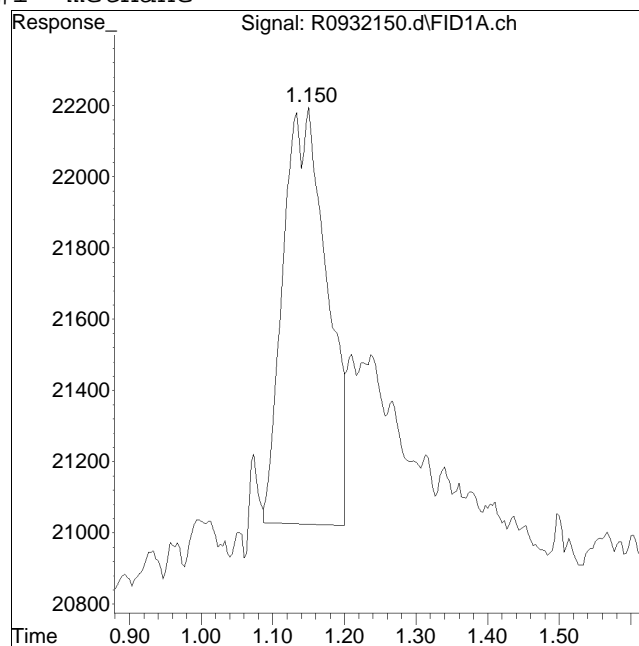
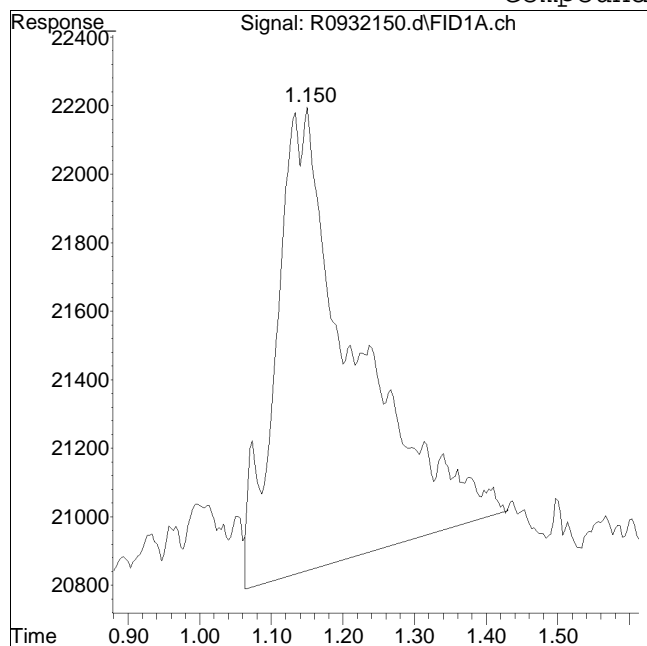
#7 butane

R.T.: 9.810 min
Delta R.T.: -0.003 min
Response: 138481
Conc: 1.13 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 105329

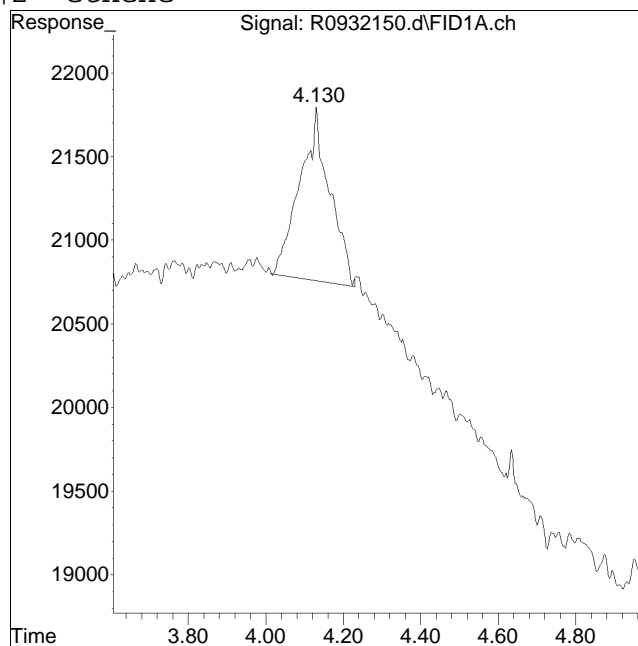
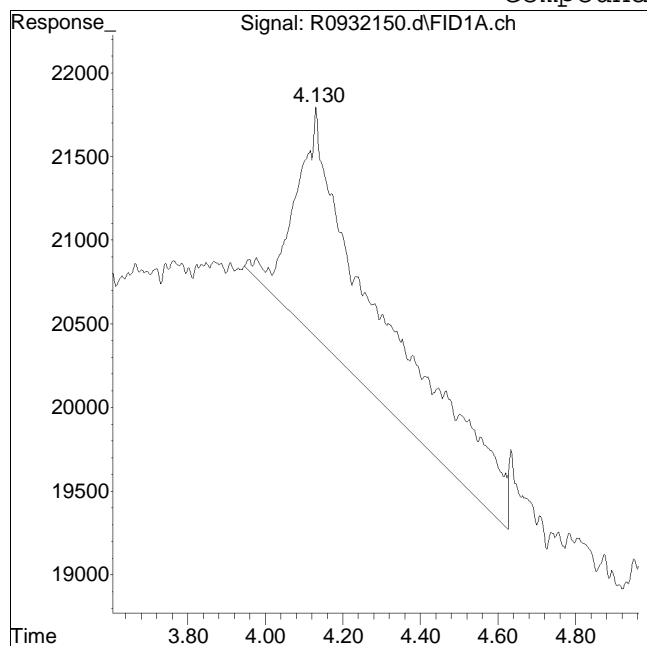
Manual Peak Response = 50096 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 205098

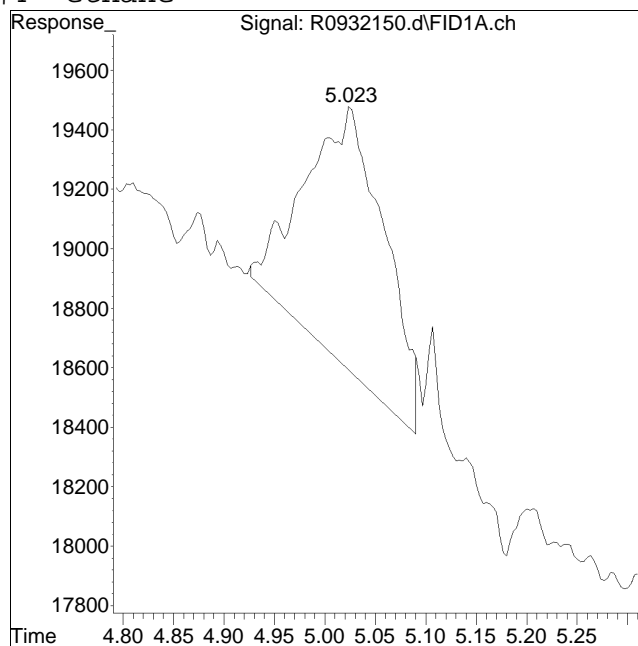
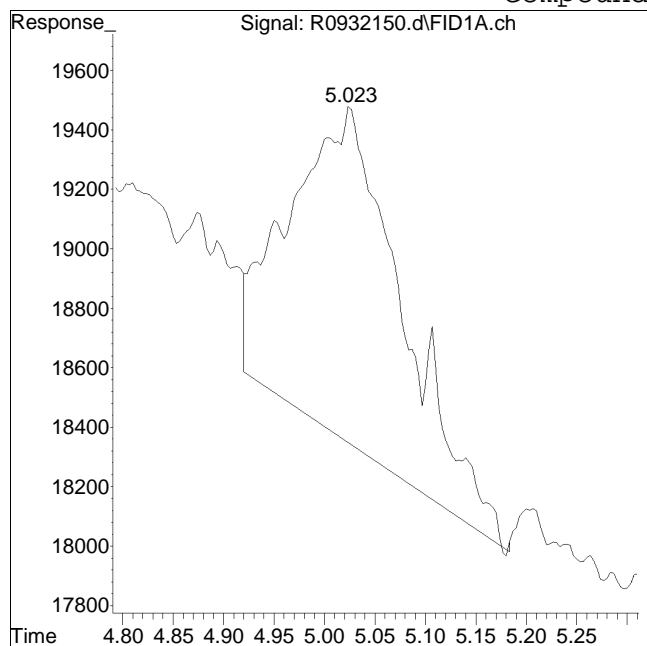
Manual Peak Response = 55354 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 87968

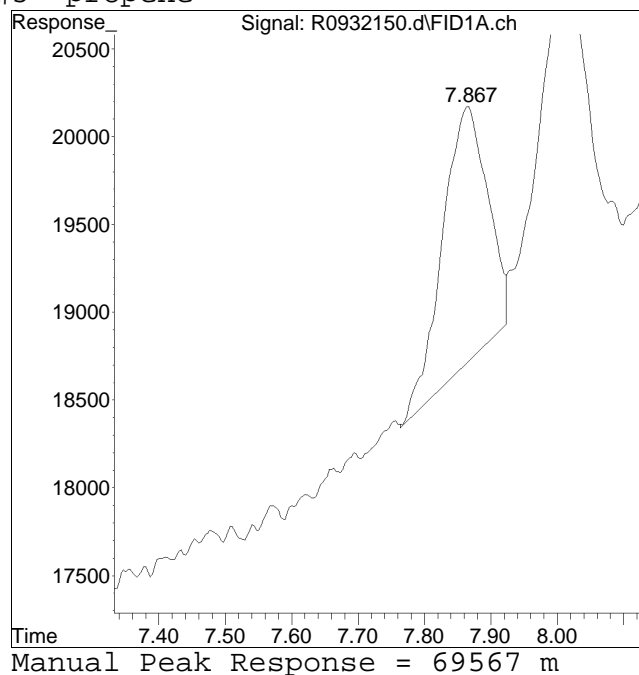
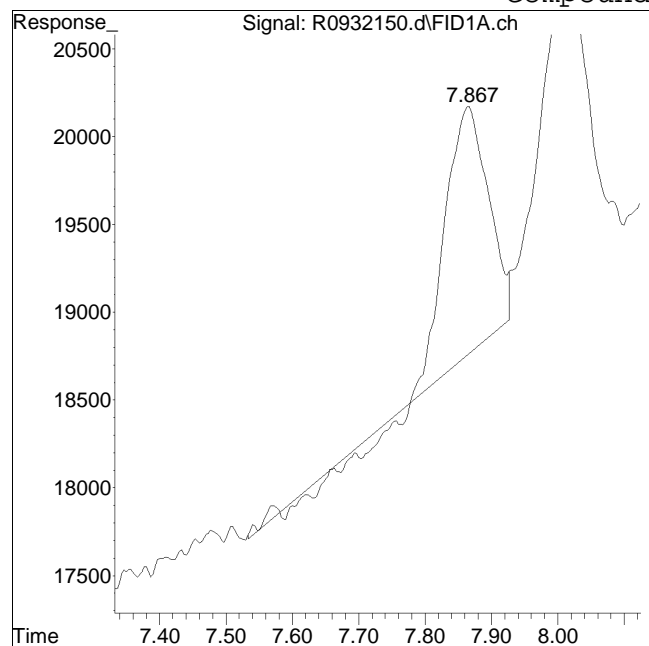
Manual Peak Response = 48353 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

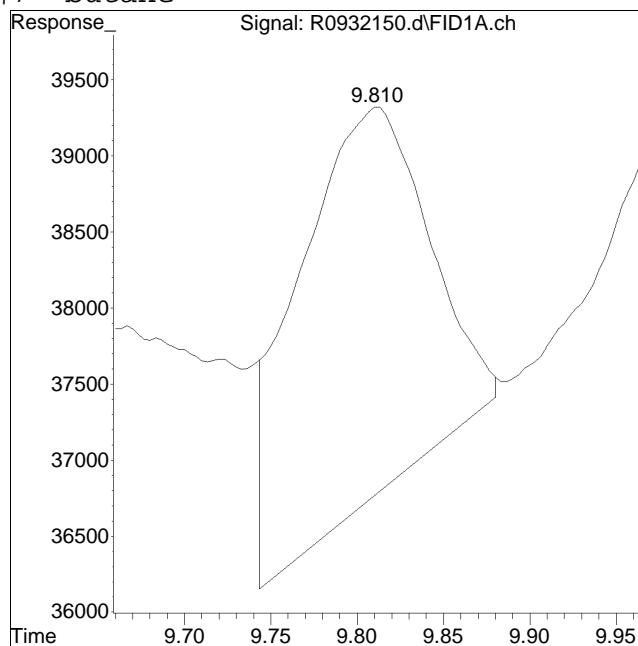
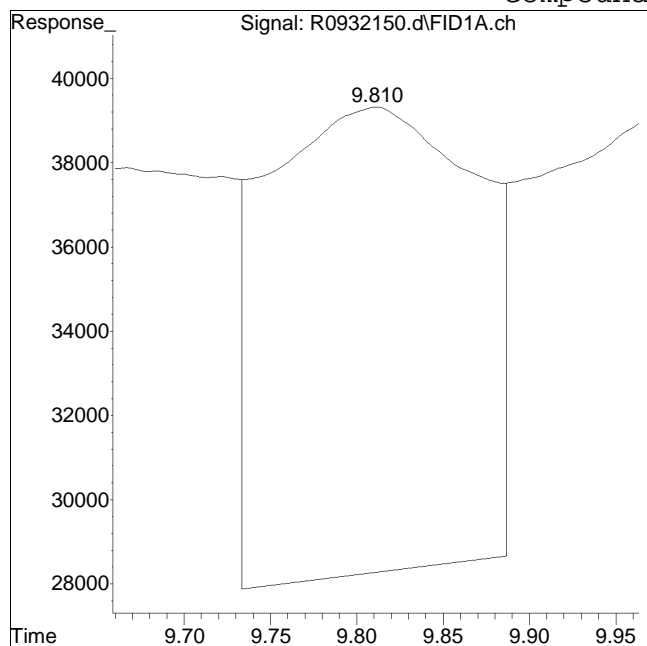
Compound #5: propene



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 924225

Manual Peak Response = 138481 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932151.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:06 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD02
 Misc : WG1369720
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:06:02 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.171 | 238574 | 1.715 | ug/L M4 |
| 2) ethene | 4.141 | 343031 | 2.652 | ug/L M4 |
| 3) acetylene | 4.875 | 58955 | 2.063 | ug/L M4 |
| 4) ethane | 5.057 | 348987 | 2.449 | ug/L M4 |
| 5) propene | 7.866 | 380697 | 3.408 | ug/L |
| 6) propane | 8.013 | 471549 | 3.588 | ug/L |
| 7) butane | 9.812 | 582655 | 4.738 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

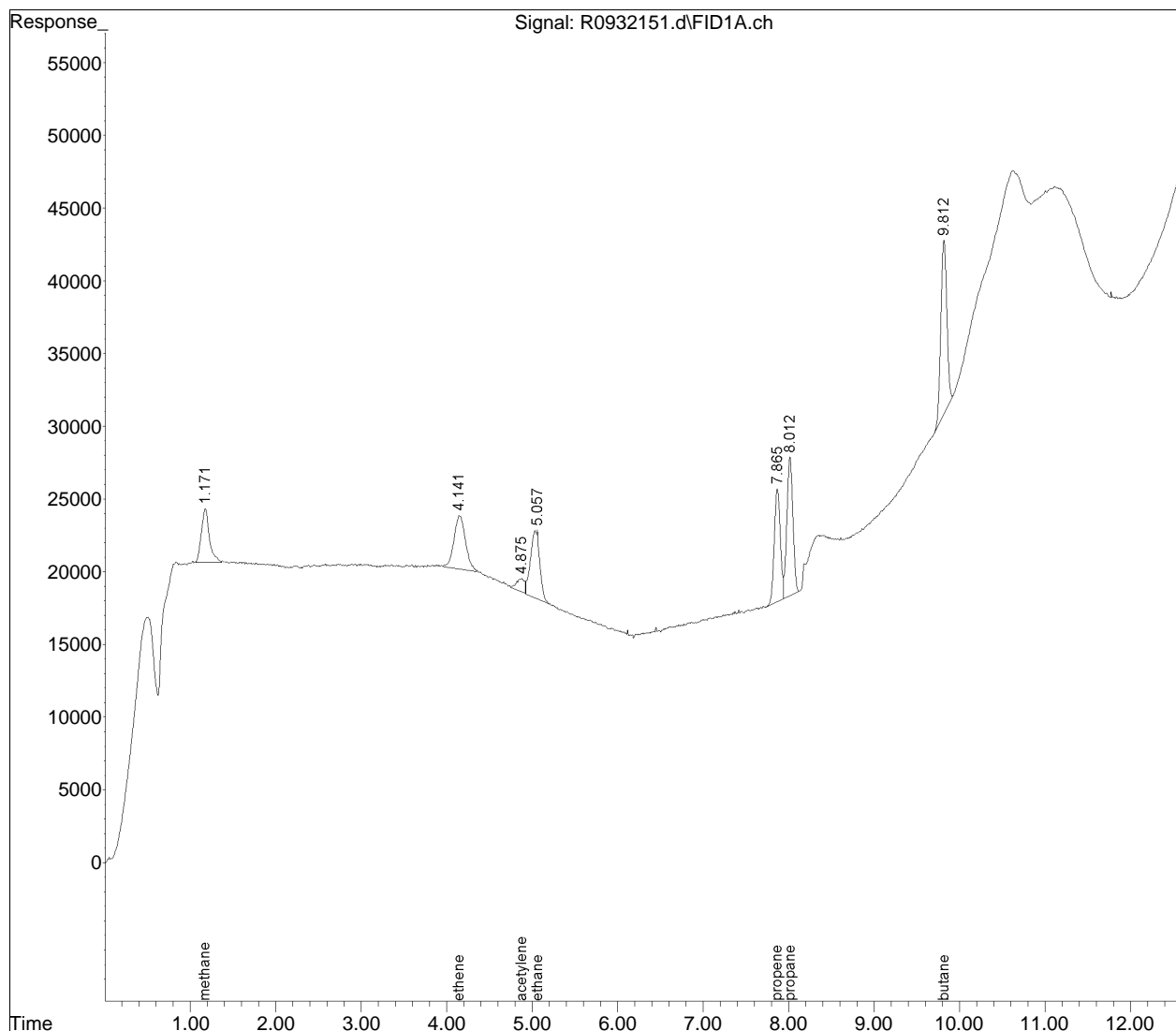
Quantitation Report (QT Reviewed)

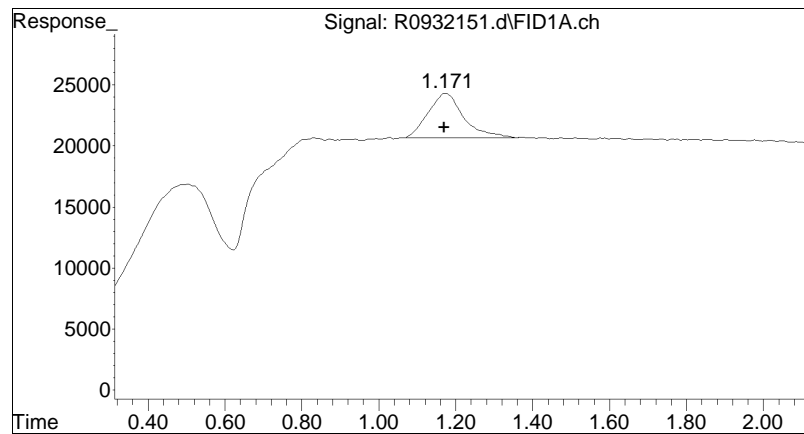
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932151.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:06 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD02
Misc : WG1369720
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:06:02 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

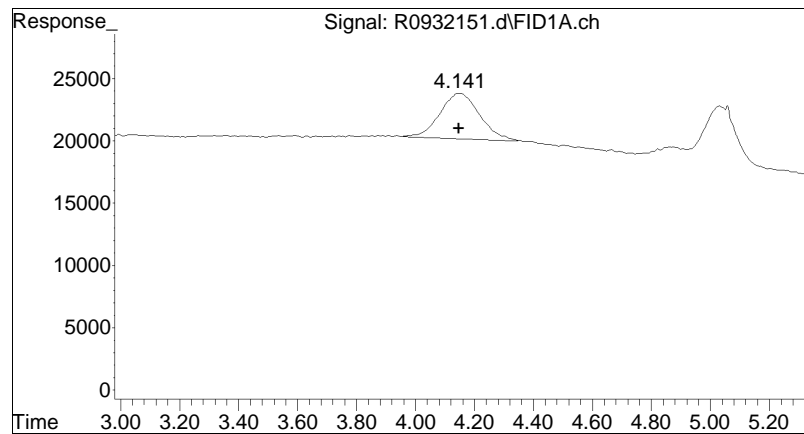
Sub List : Default - All compounds listed





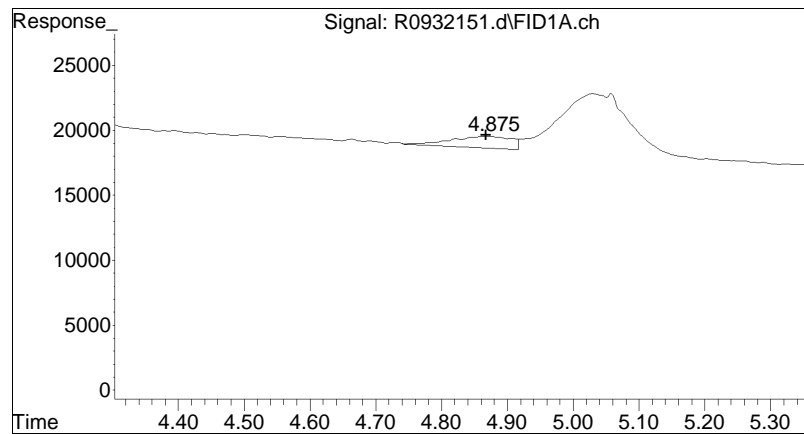
#1 methane

R.T.: 1.171 min
Delta R.T.: 0.001 min
Response: 238574
Conc: 1.72 ug/L M4



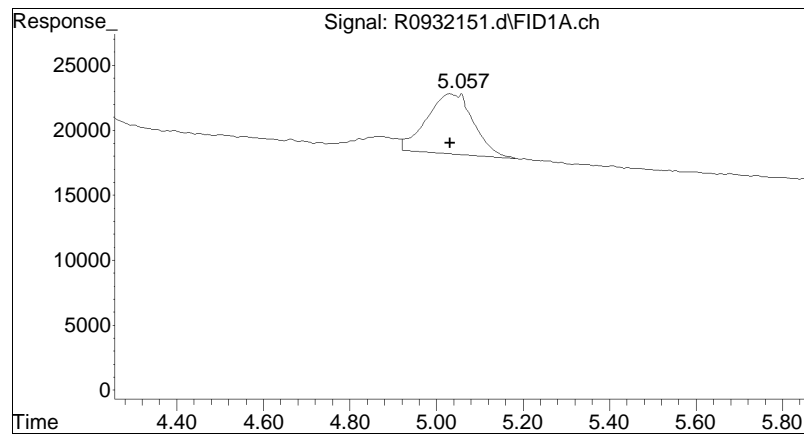
#2 ethene

R.T.: 4.141 min
Delta R.T.: -0.006 min
Response: 343031
Conc: 2.65 ug/L M4



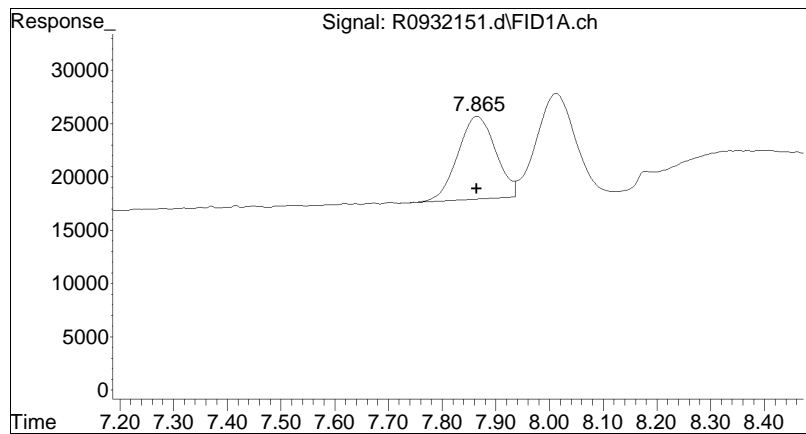
#3 acetylene

R.T.: 4.875 min
Delta R.T.: 0.008 min
Response: 58955
Conc: 2.06 ug/L M4



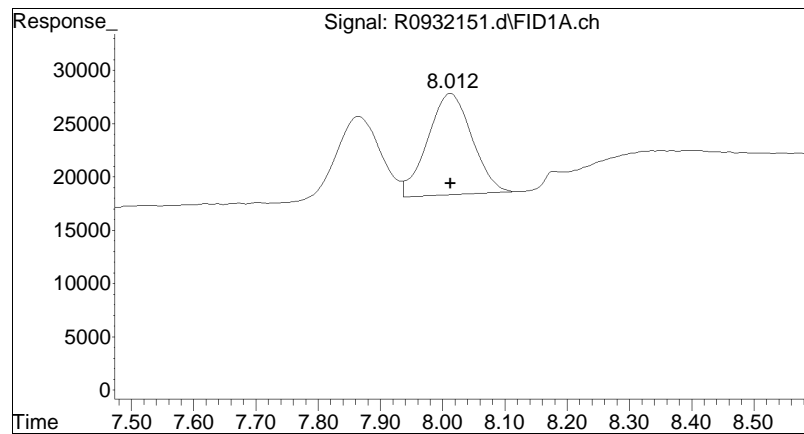
#4 ethane

R.T.: 5.057 min
Delta R.T.: 0.025 min
Response: 348987
Conc: 2.45 ug/L M4



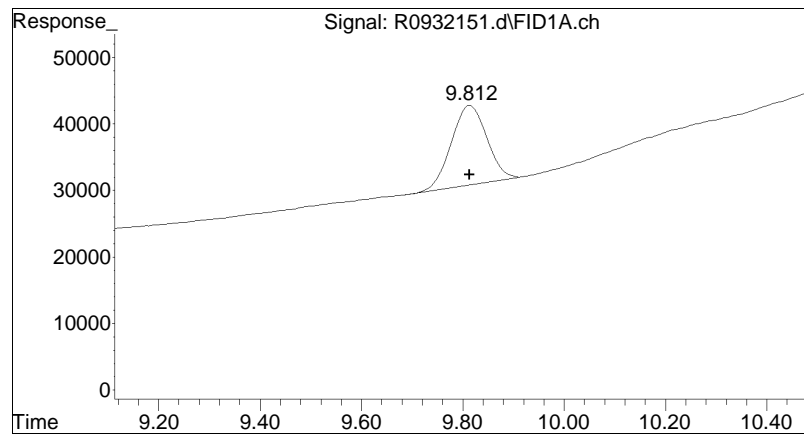
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 380697
Conc: 3.41 ug/L



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 471549
Conc: 3.59 ug/L



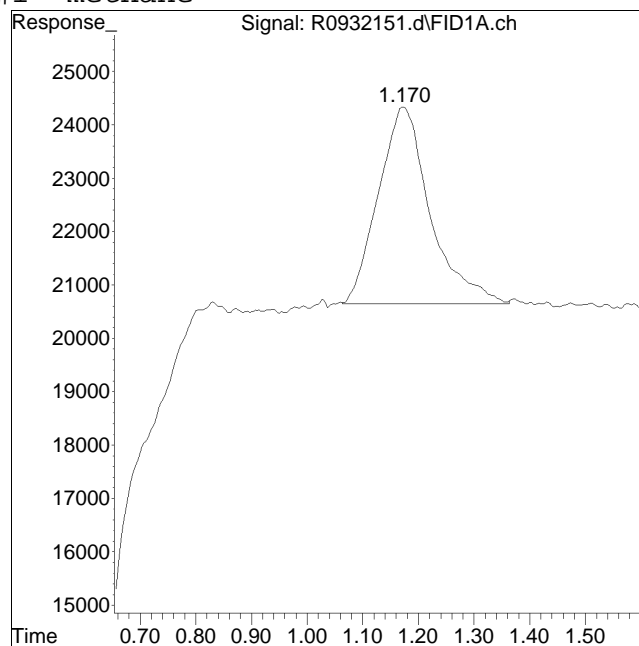
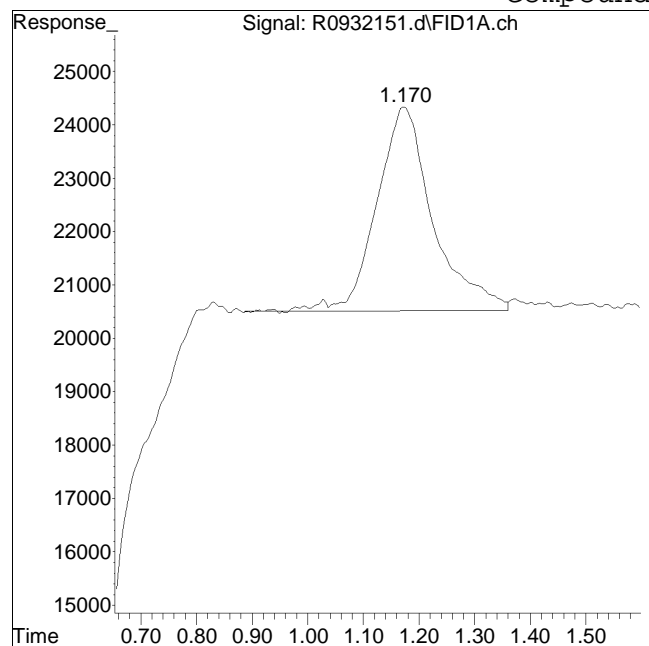
#7 butane

R.T.: 9.812 min
Delta R.T.: 0.000 min
Response: 582655
Conc: 4.74 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 266970

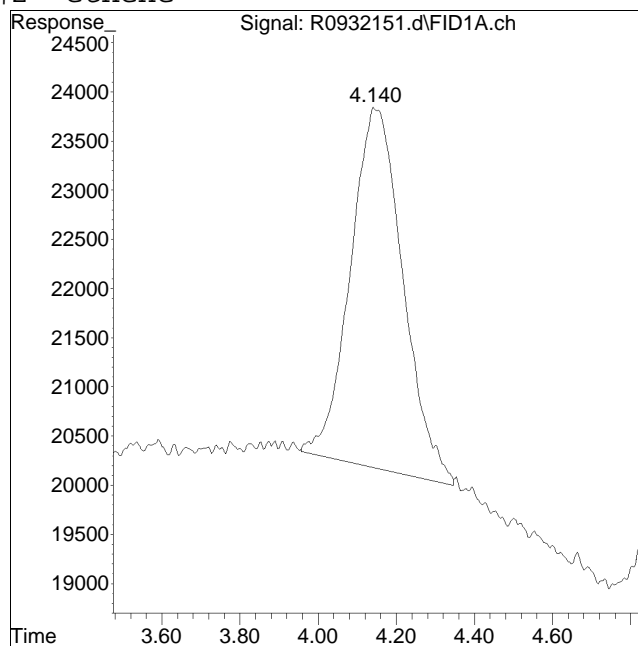
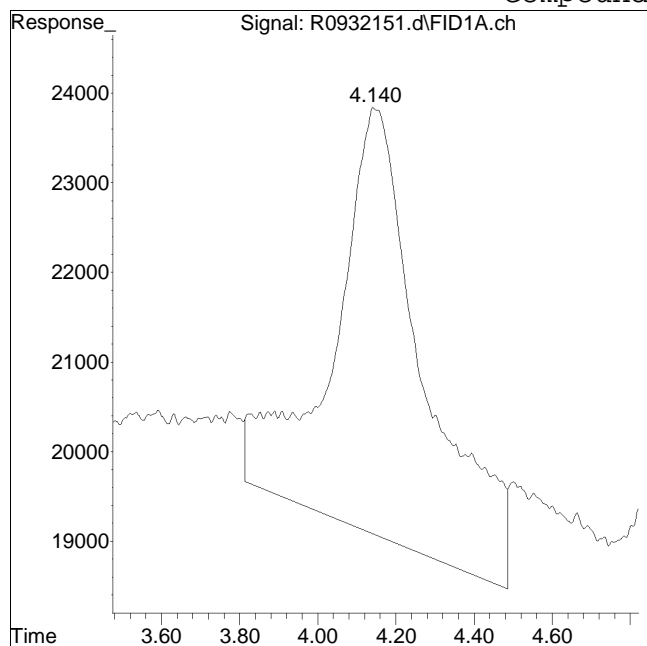
Manual Peak Response = 238574 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 782252

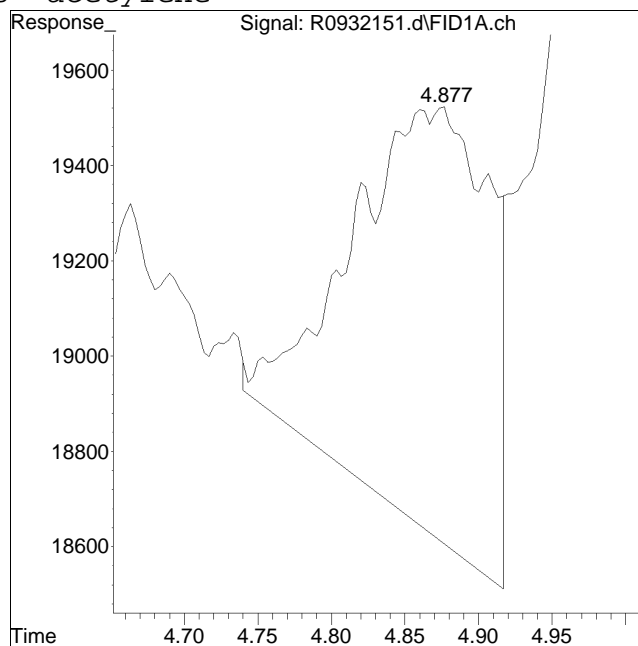
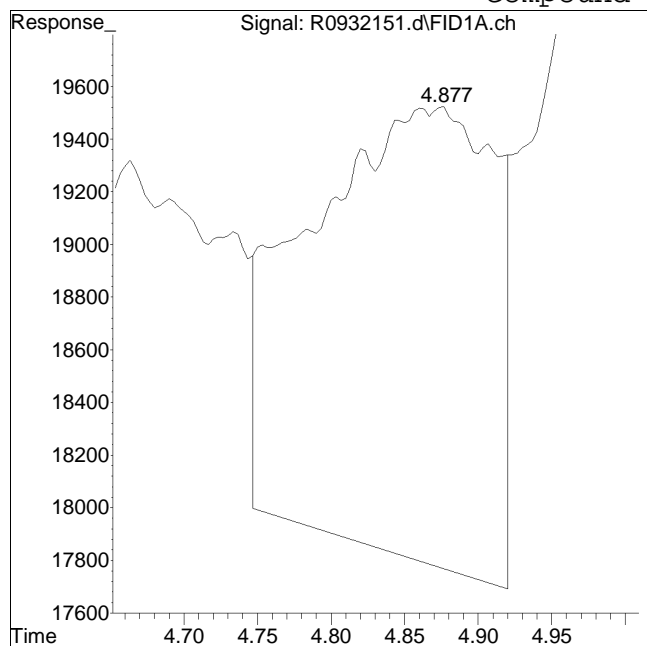
Manual Peak Response = 343031 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #3: acetylene



Original Peak Response = 147460

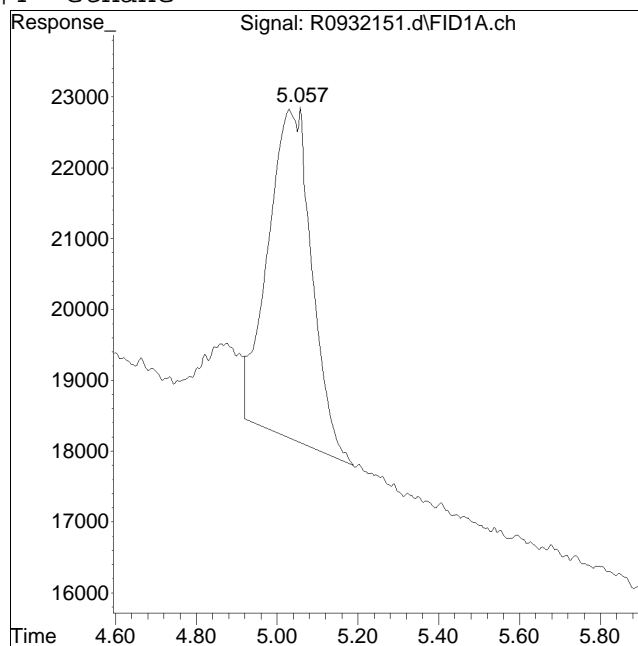
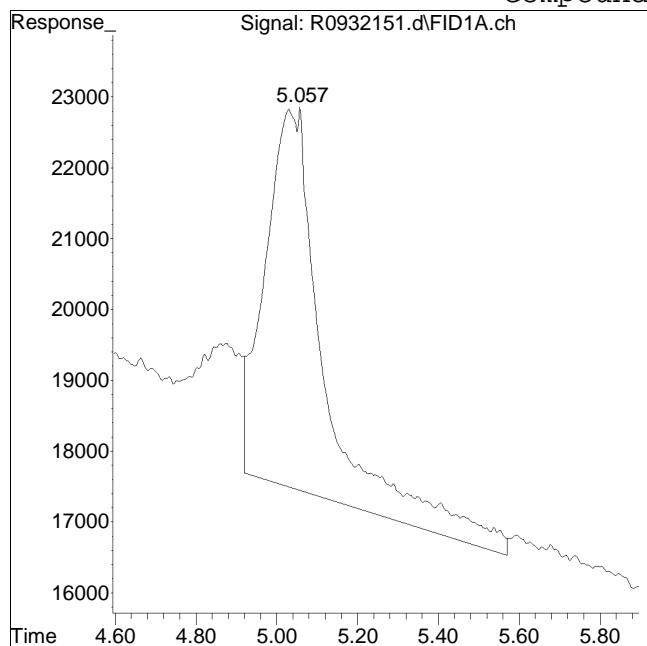
Manual Peak Response = 58955 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 553201

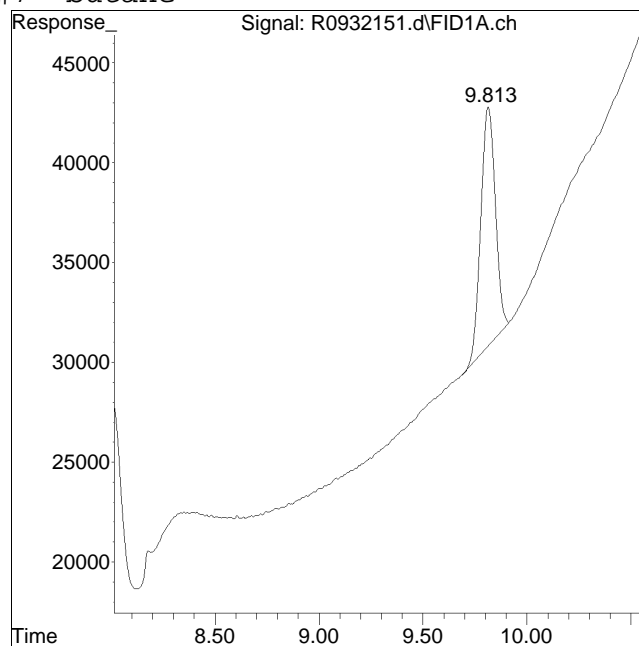
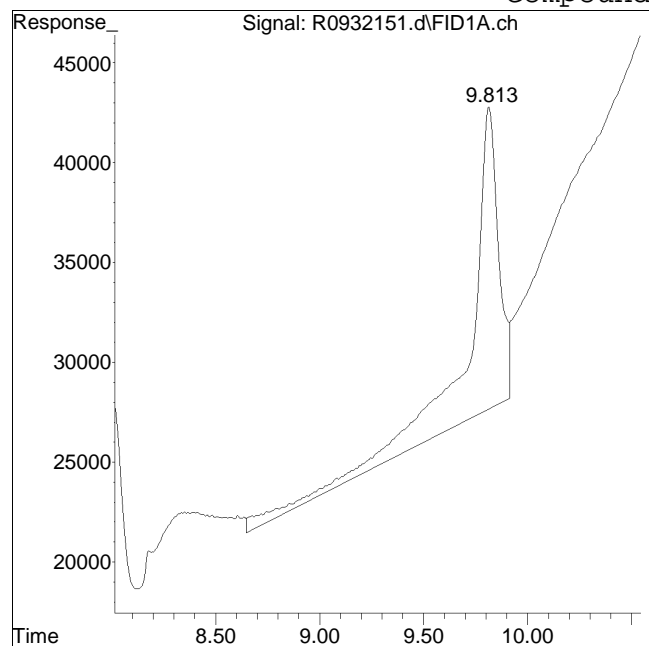
Manual Peak Response = 348987 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 1523431

Manual Peak Response = 582655 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932152.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:25 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD03
 Misc : WG1369720
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:07:27 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|--------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.152 | 3343625 | 24.039 | ug/L M4 |
| 2) ethene | 4.139 | 5529095 | 42.753 | ug/L M4 |
| 3) acetylene | 4.862 | 999328 | 34.966 | ug/L M4 |
| 4) ethane | 5.026 | 6418752 | 45.047 | ug/L M4 |
| 5) propene | 7.863 | 7113582 | 63.678 | ug/L M4 |
| 6) propane | 8.012 | 8828763 | 67.171 | ug/L |
| 7) butane | 9.811 | 11220258 | 91.247 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

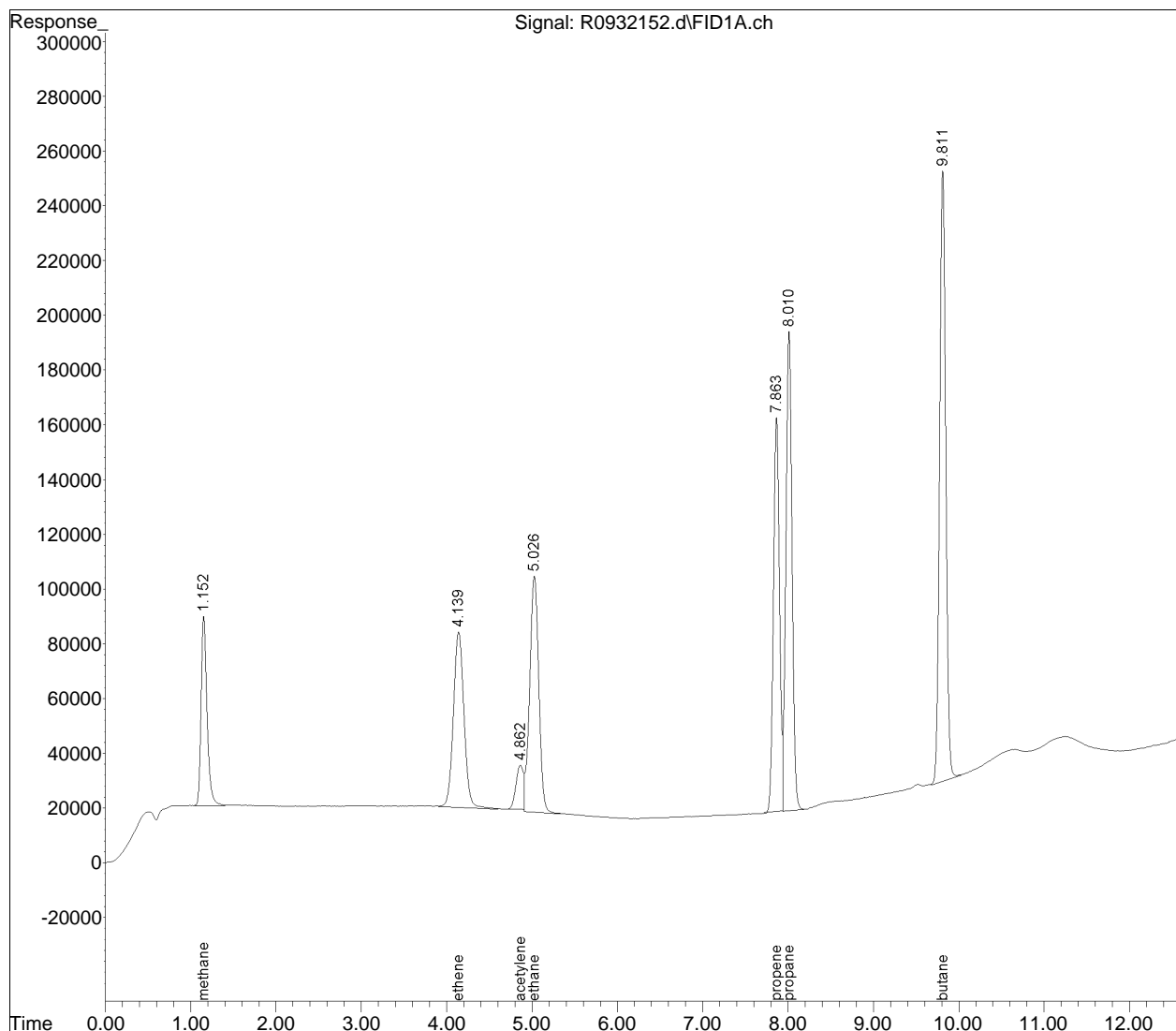
Quantitation Report (QT Reviewed)

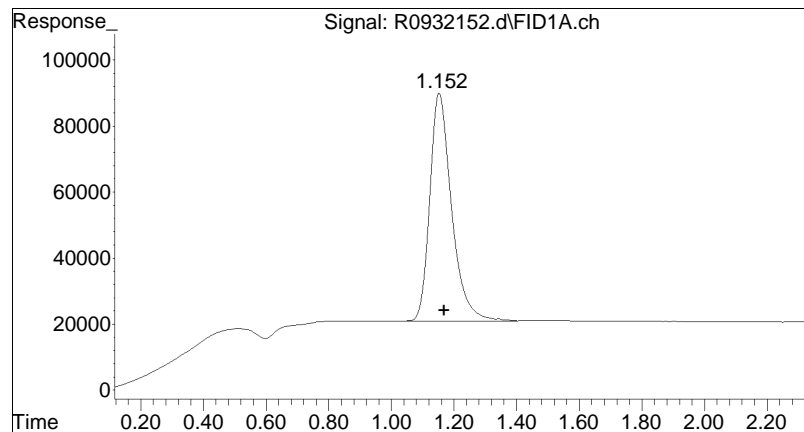
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932152.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:25 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD03
Misc : WG1369720
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:07:27 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

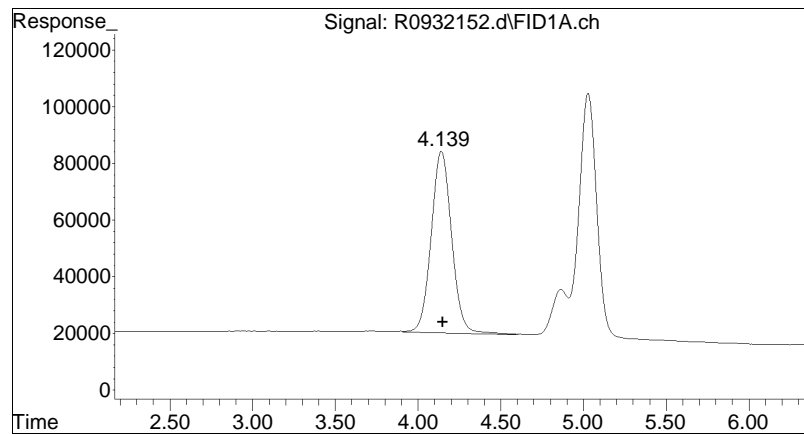
Sub List : Default - All compounds listed





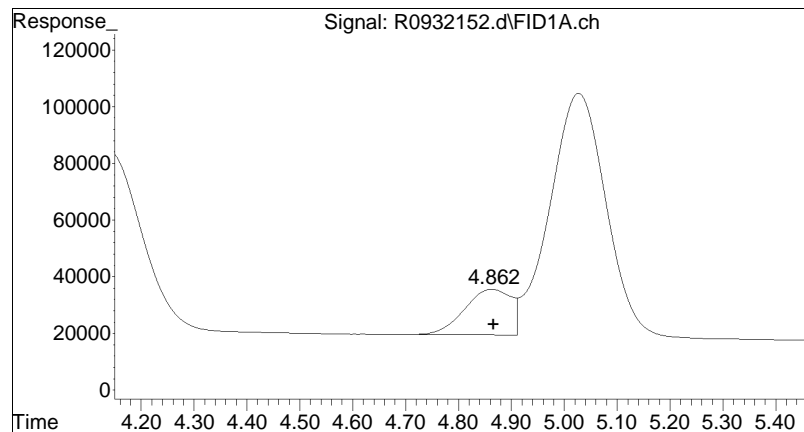
#1 methane

R.T.: 1.152 min
Delta R.T.: -0.018 min
Response: 3343625
Conc: 24.04 ug/L M4



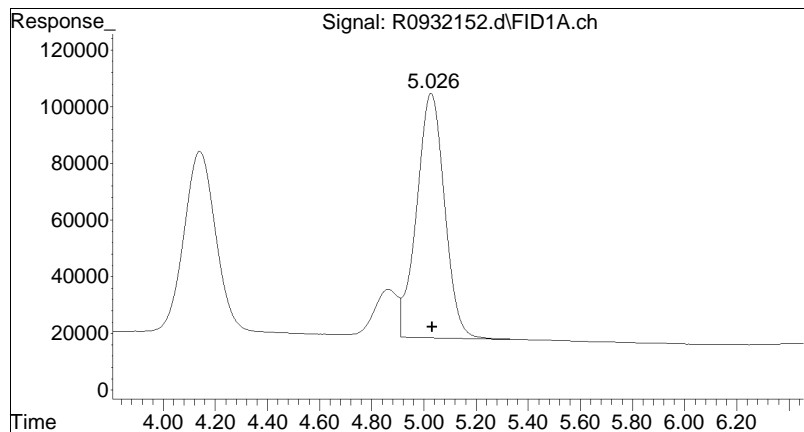
#2 ethene

R.T.: 4.139 min
Delta R.T.: -0.008 min
Response: 5529095
Conc: 42.75 ug/L M4



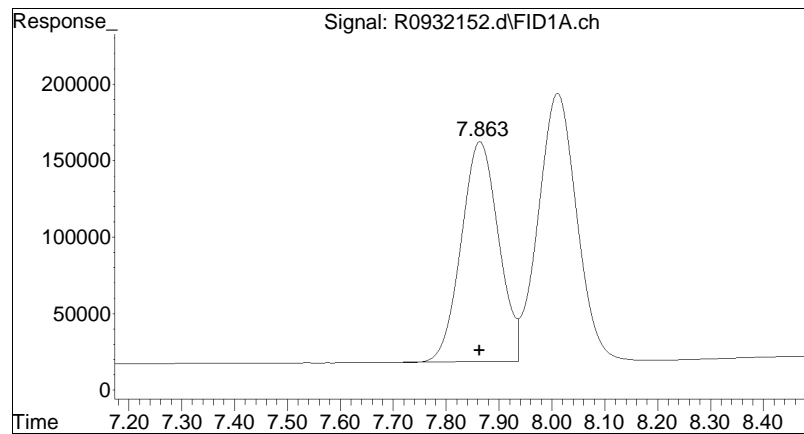
#3 acetylene

R.T.: 4.862 min
Delta R.T.: -0.005 min
Response: 999328
Conc: 34.97 ug/L M4



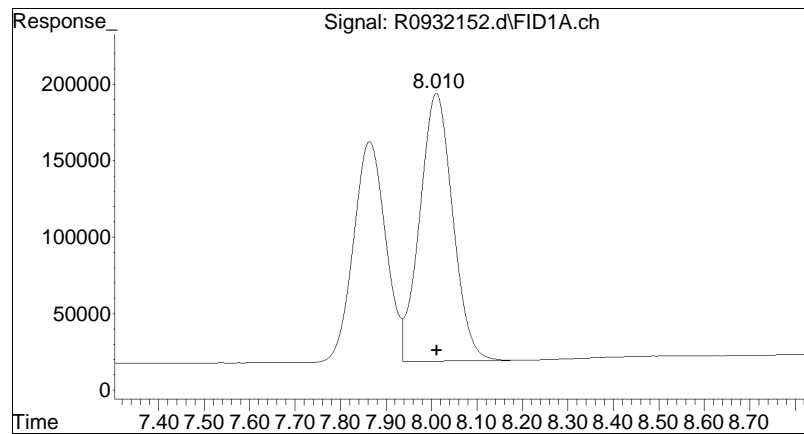
#4 ethane

R.T.: 5.026 min
Delta R.T.: -0.005 min
Response: 6418752
Conc: 45.05 ug/L M4



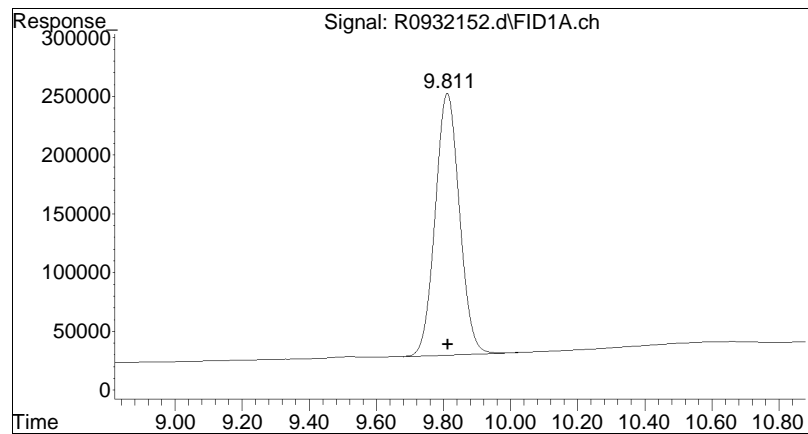
#5 propene

R.T.: 7.863 min
Delta R.T.: 0.000 min
Response: 7113582
Conc: 63.68 ug/L M4



#6 propane

R.T.: 8.012 min
Delta R.T.: -0.001 min
Response: 8828763
Conc: 67.17 ug/L



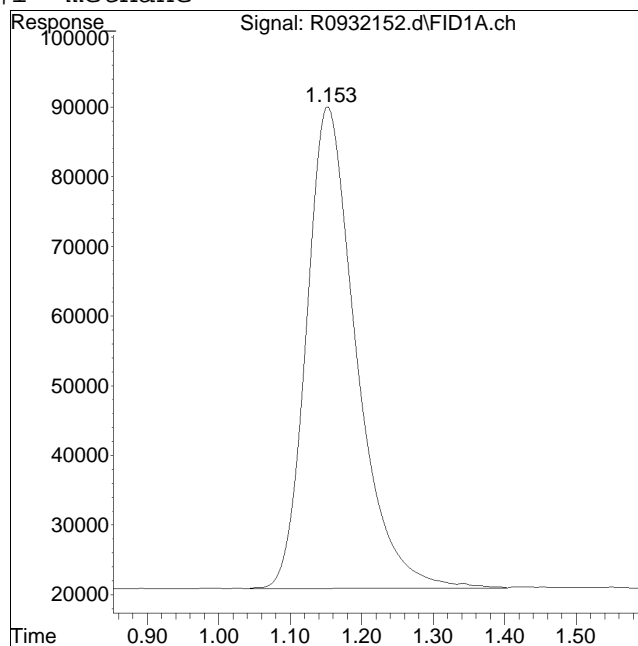
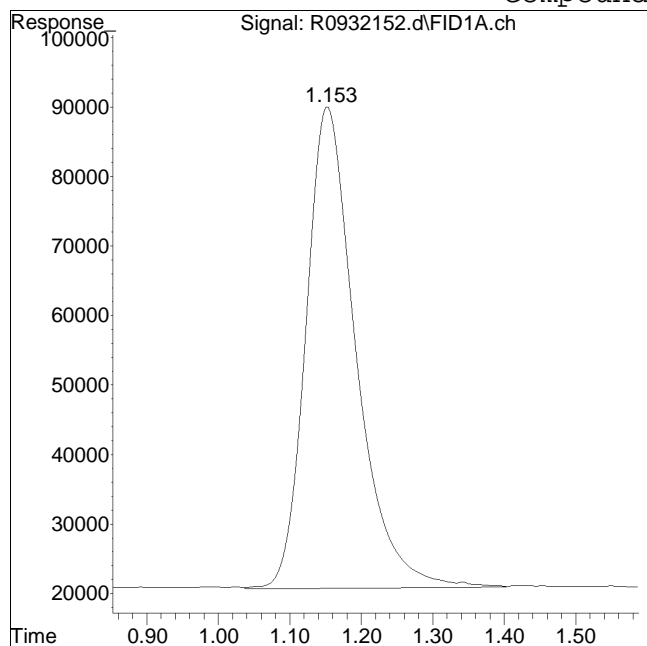
#7 butane

R.T.: 9.811 min
Delta R.T.: -0.002 min
Response: 11220258
Conc: 91.25 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 3370003

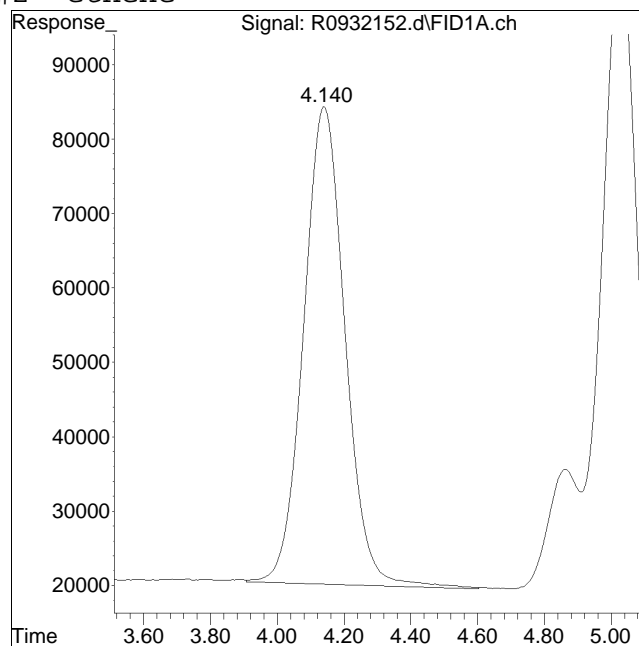
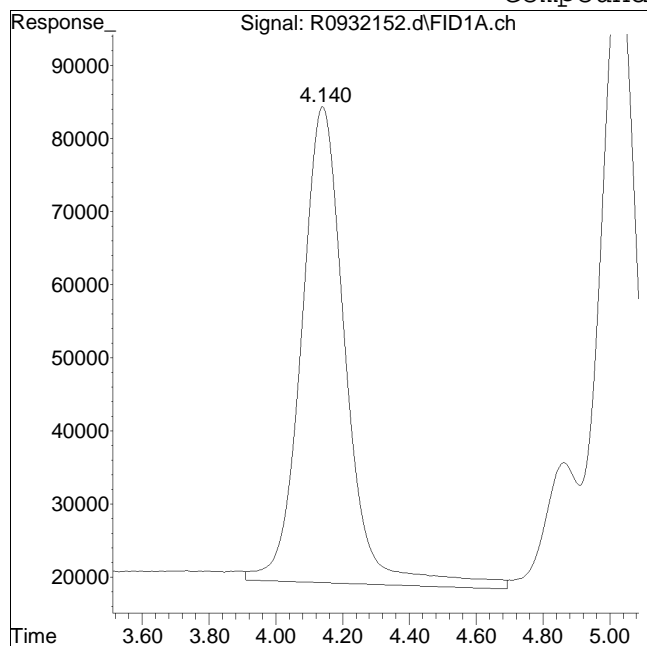
Manual Peak Response = 3343625 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 6005070

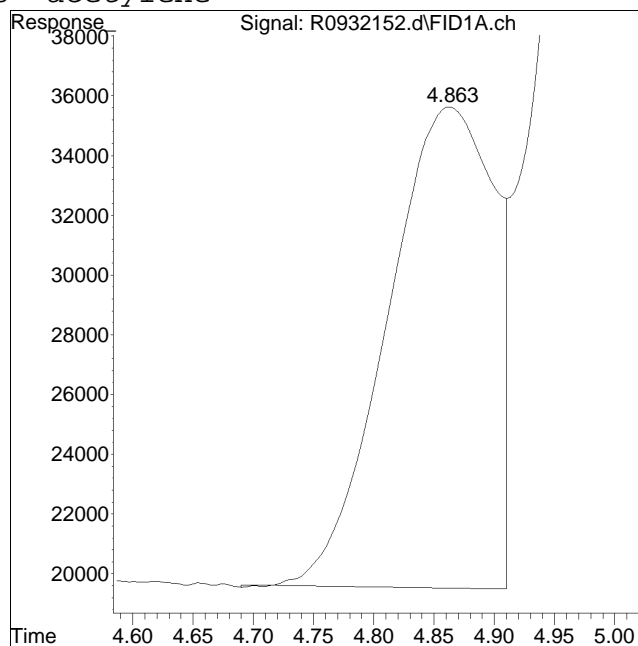
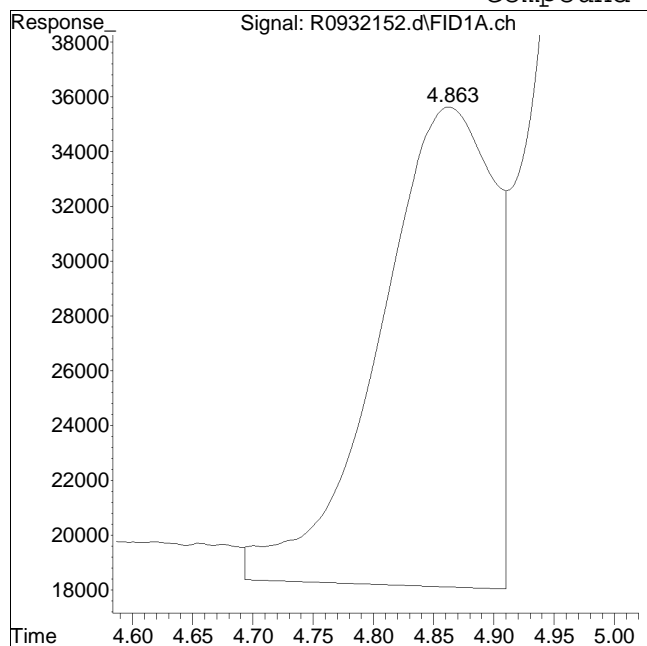
Manual Peak Response = 5529095 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #3: acetylene



Original Peak Response = 1154222

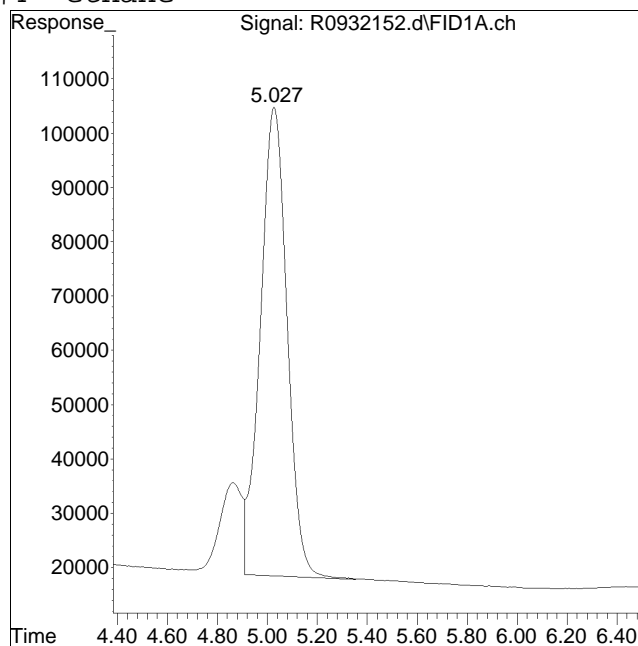
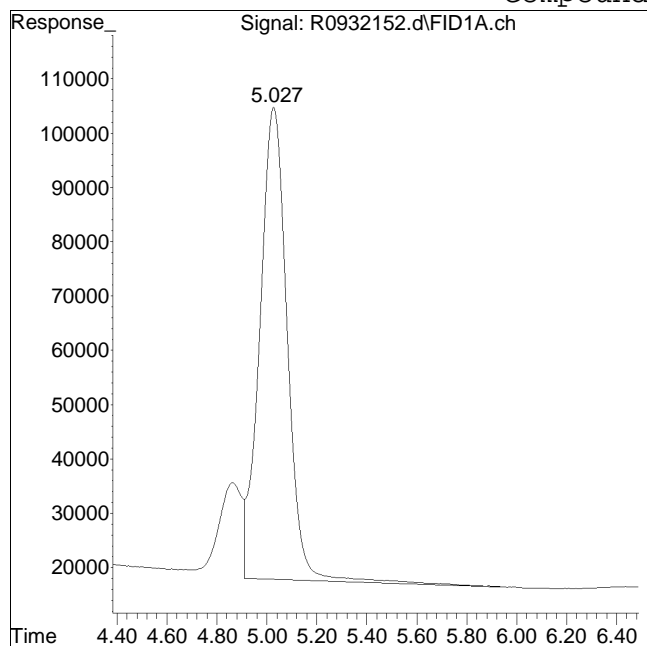
Manual Peak Response = 999328 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 6687836

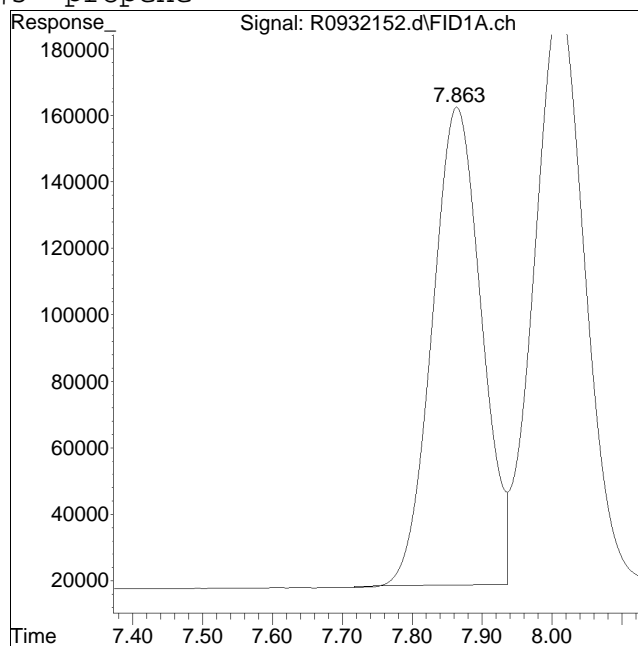
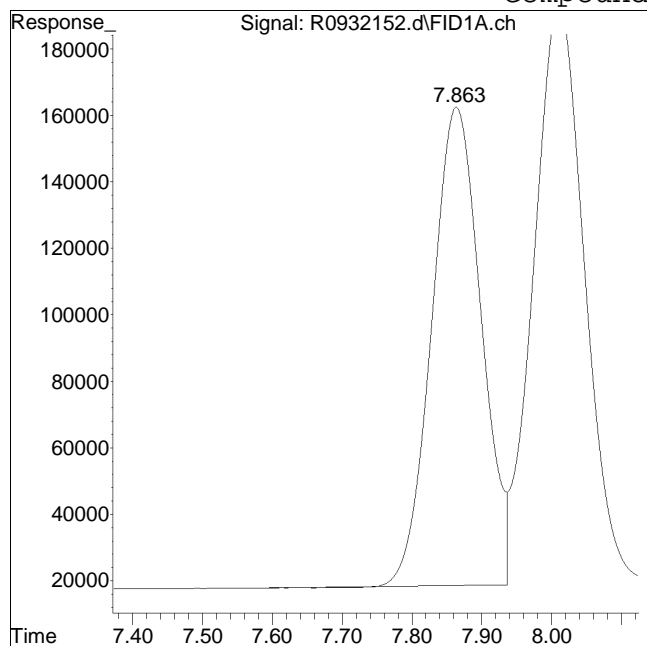
Manual Peak Response = 6418752 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #5: propene



Original Peak Response = 7047780

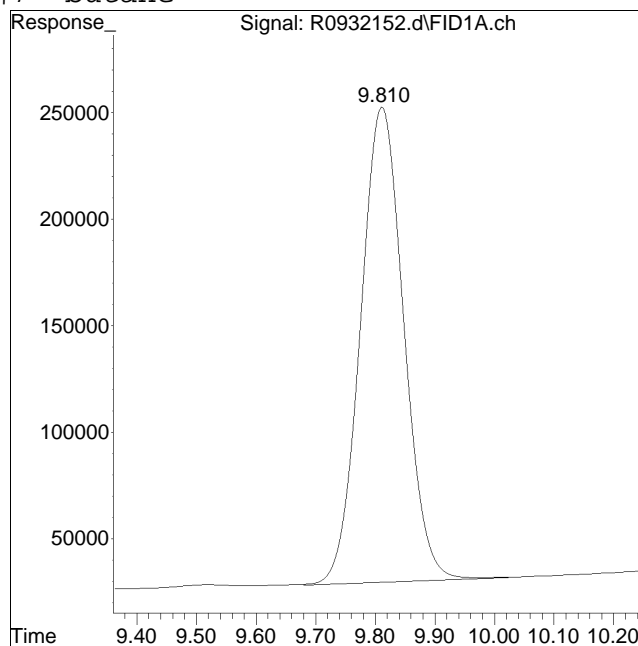
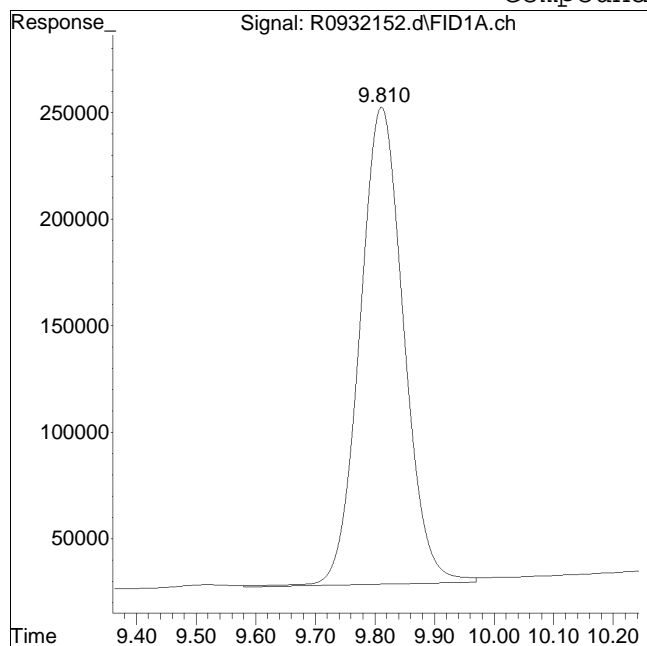
Manual Peak Response = 7113582 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 11414071

Manual Peak Response = 11220258 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932153.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:45 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD04
 Misc : WG1369720
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:02:10 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.172 | 7757599 | 55.774 ug/L |
| 2) ethene | 4.148 | 12540561 | 96.969 ug/L |
| 3) acetylene | 4.868 | 2547342 | 89.130 ug/L |
| 4) ethane | 5.033 | 14679106 | 103.018 ug/L |
| 5) propene | 7.866 | 15720300 | 140.723 ug/L |
| 6) propane | 8.013 | 19715625 | 150.000 ug/L |
| 7) butane | 9.813 | 24347224 | 198.000 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

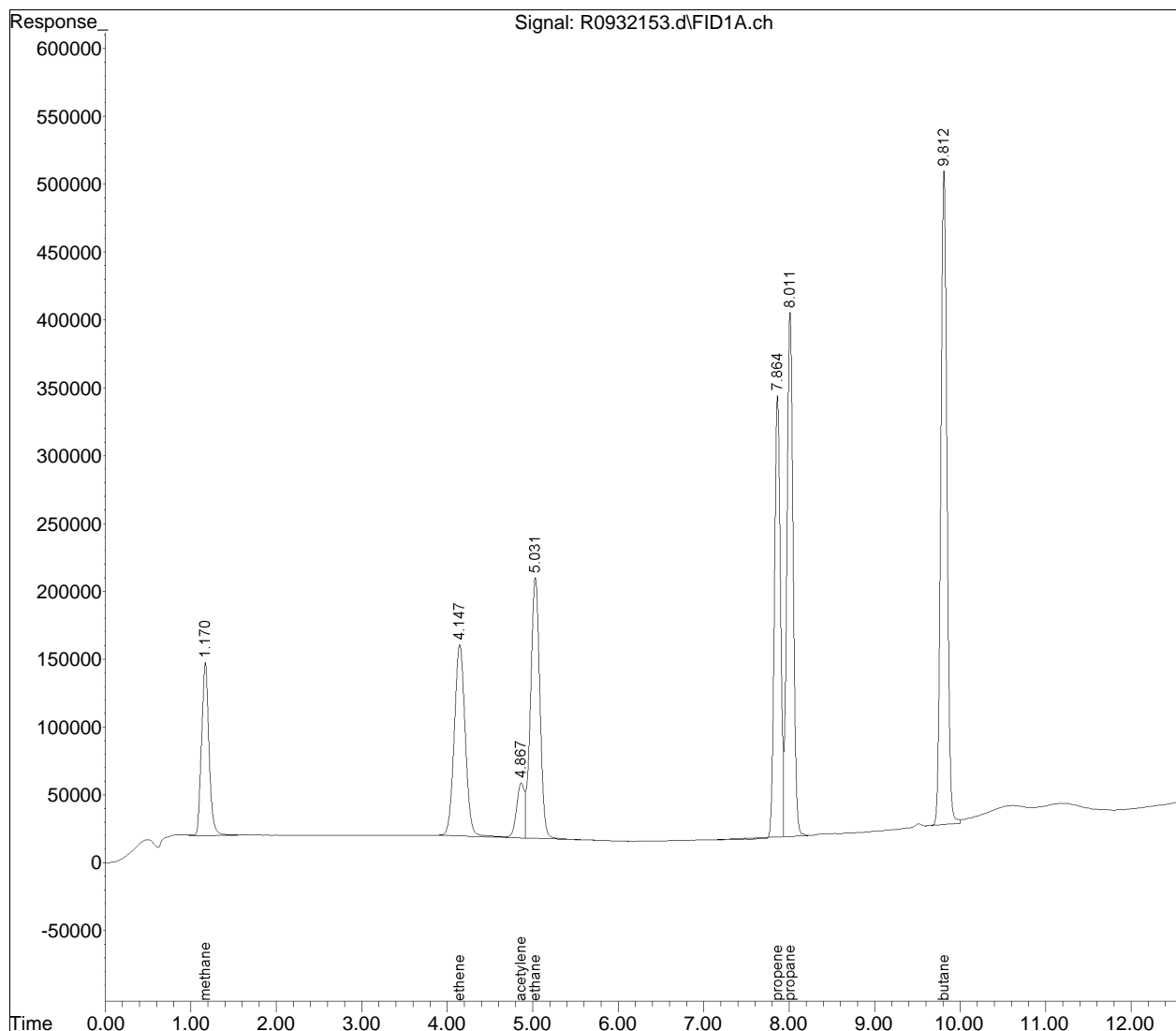
Quantitation Report (QT Reviewed)

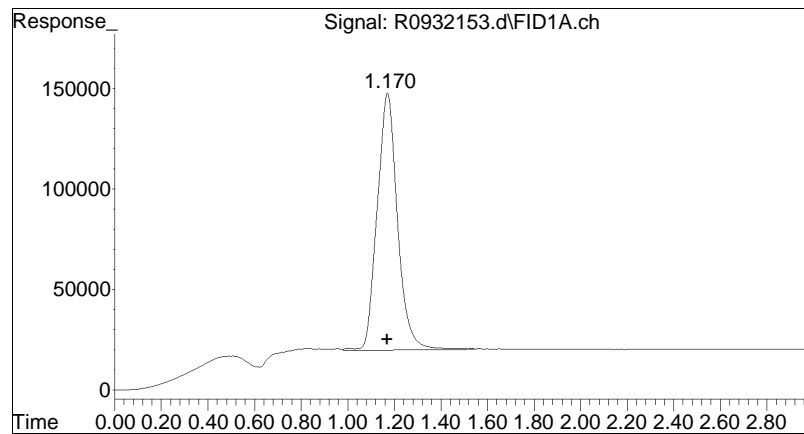
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932153.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:45 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD04
Misc : WG1369720
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:02:10 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

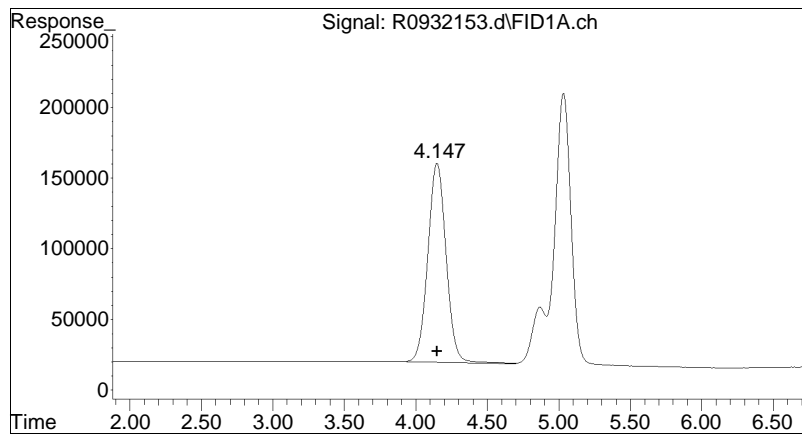
Sub List : Default - All compounds listed





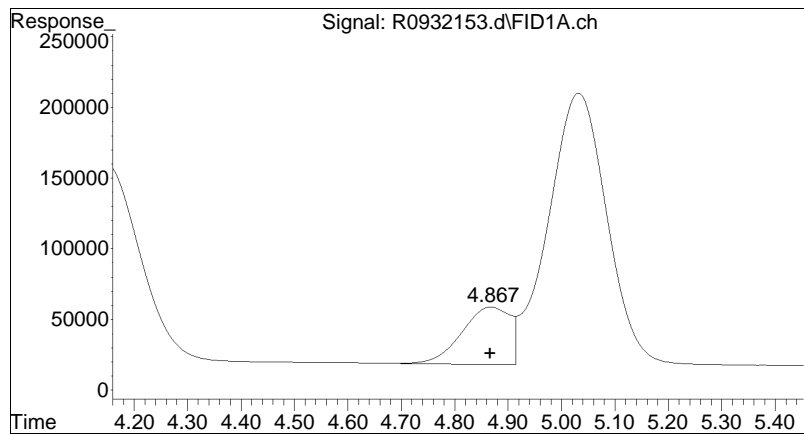
#1 methane

R.T.: 1.172 min
Delta R.T.: 0.002 min
Response: 7757599
Conc: 55.77 ug/L



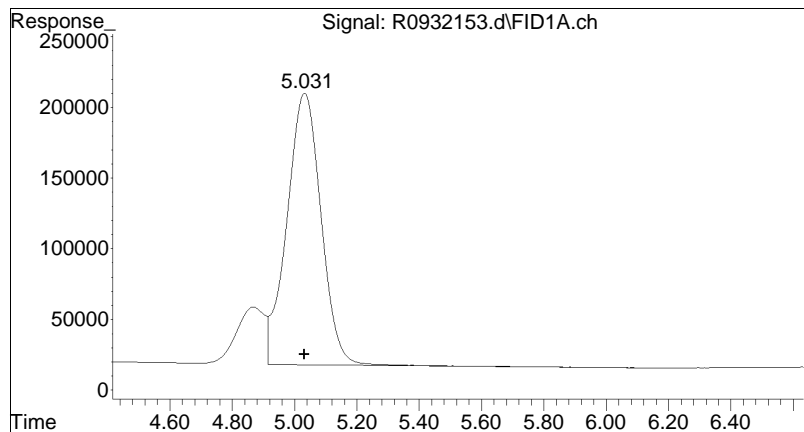
#2 ethene

R.T.: 4.148 min
Delta R.T.: 0.001 min
Response: 12540561
Conc: 96.97 ug/L



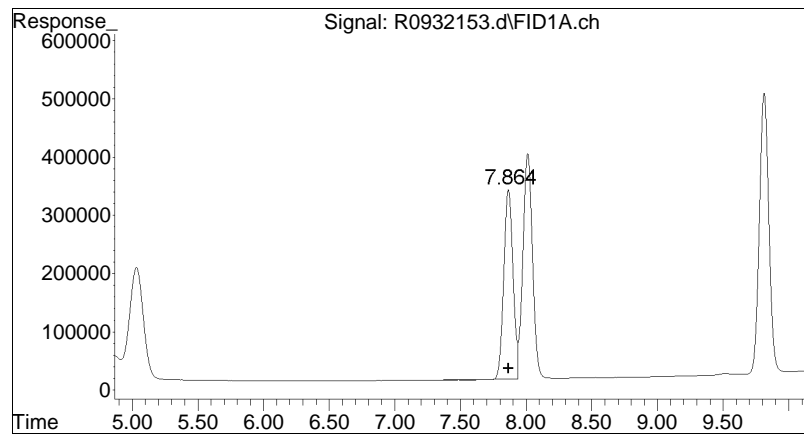
#3 acetylene

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 2547342
Conc: 89.13 ug/L



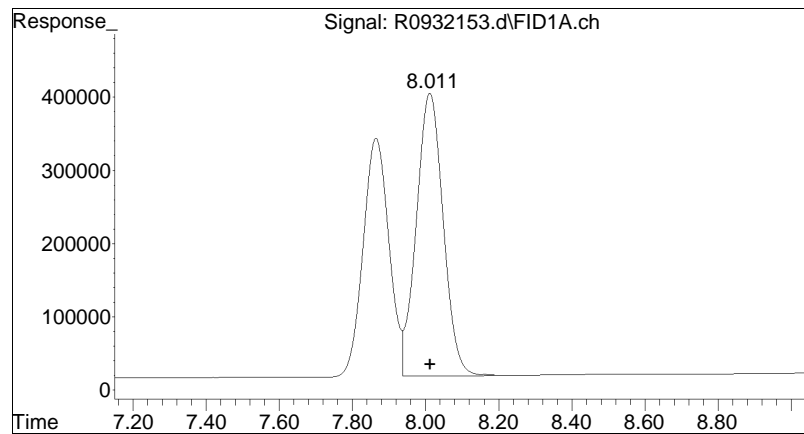
#4 ethane

R.T.: 5.033 min
Delta R.T.: 0.001 min
Response: 14679106
Conc: 103.02 ug/L



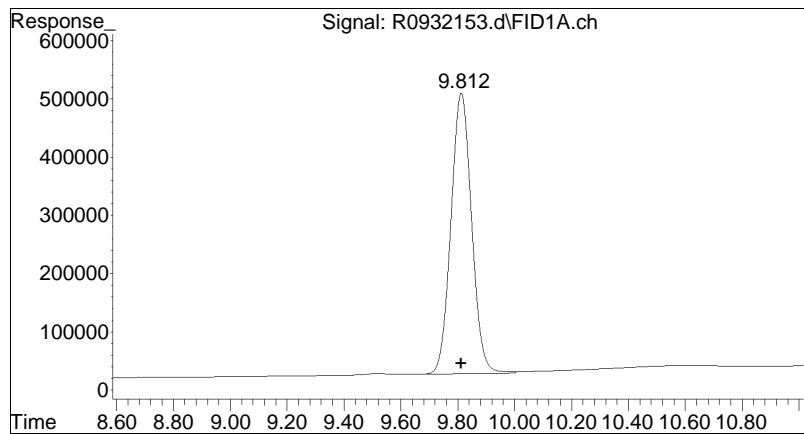
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 15720300
Conc: 140.72 ug/L



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 19715625
Conc: 150.00 ug/L



#7 butane

R.T.: 9.813 min
Delta R.T.: 0.000 min
Response: 24347224
Conc: 198.00 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932153.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD04 Quant Date : 5/12/2020 7:02 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932154.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:05 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD05
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:08:13 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.140 | 55902656 | 401.920 | ug/L |
| 2) ethene | 4.130 | 94118346 | 727.761 | ug/L |
| 3) acetylene | 4.856 | 18978388 | 664.044 | ug/L |
| 4) ethane | 5.018 | 112273154 | 787.935 | ug/L M4 |
| 5) propene | 7.860 | 128495538 | 1150.248 | ug/L |
| 6) propane | 8.006 | 161032025 | 1225.160 | ug/L |
| 7) butane | 9.809 | 213519381 | 1736.413 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

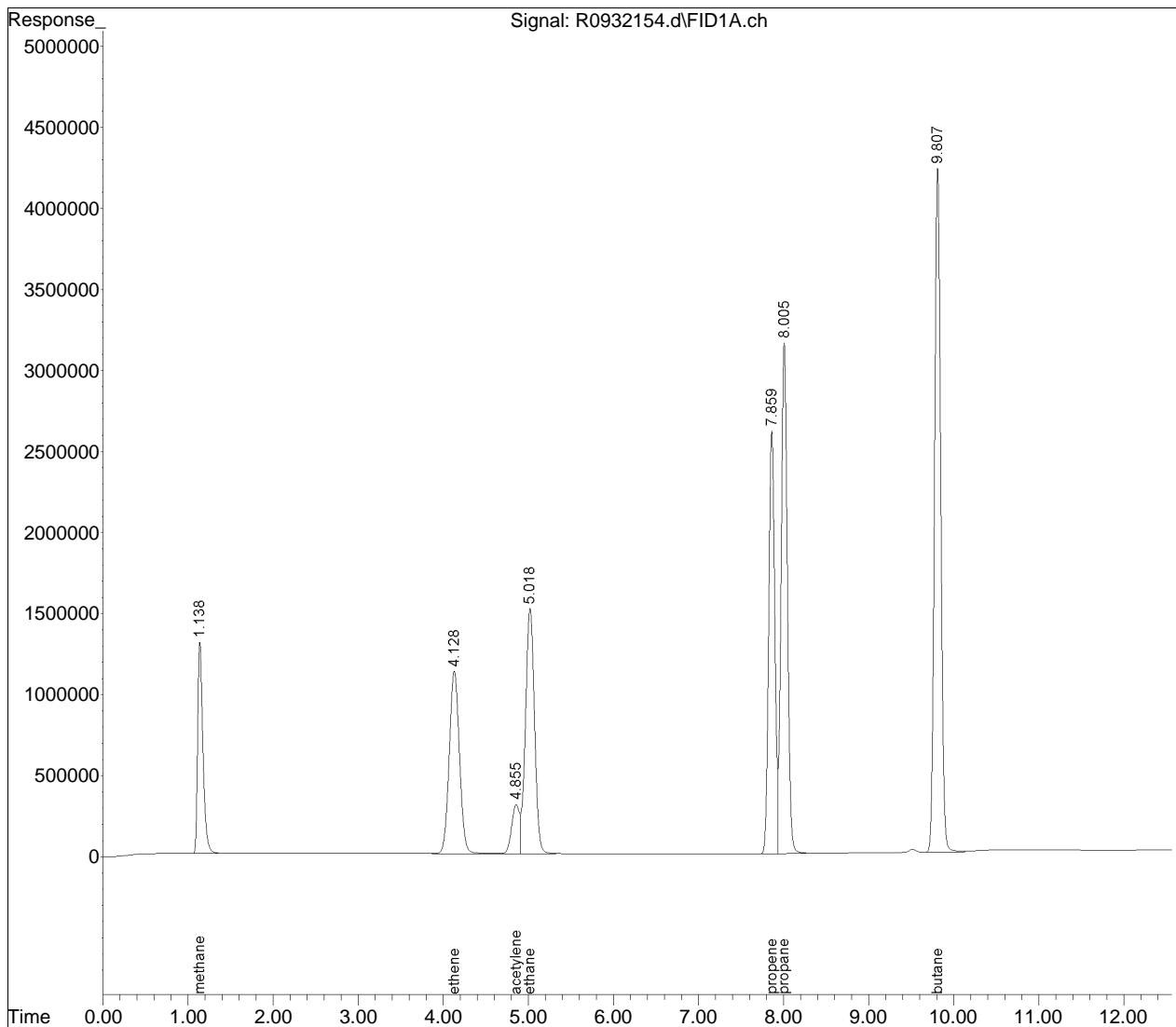
Quantitation Report (QT Reviewed)

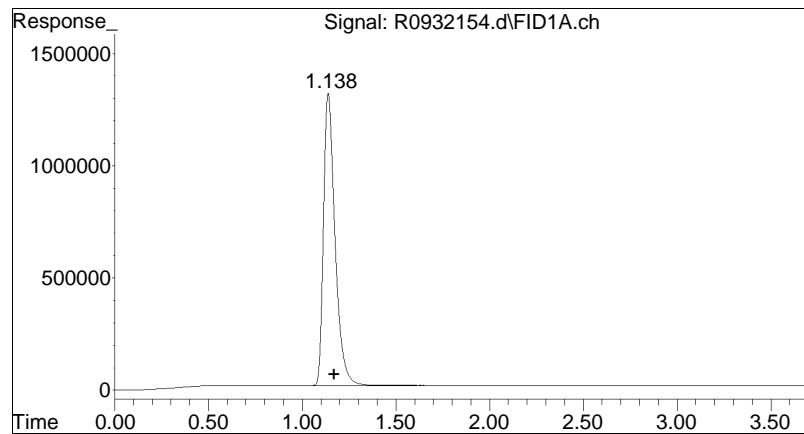
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932154.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:05 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD05
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:08:13 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

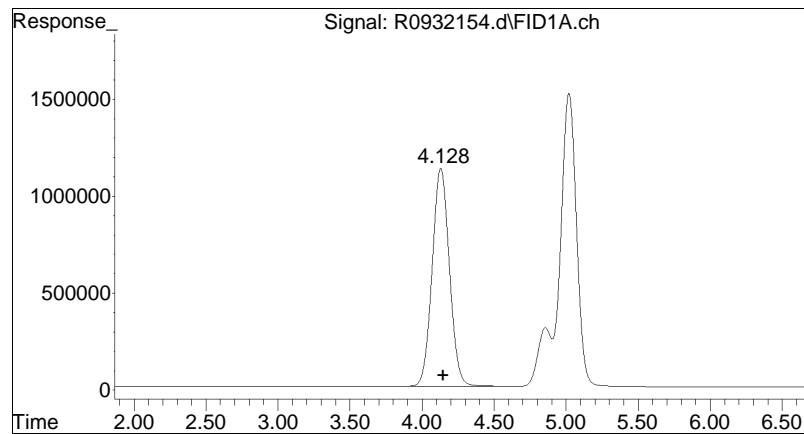
Sub List : Default - All compounds listed





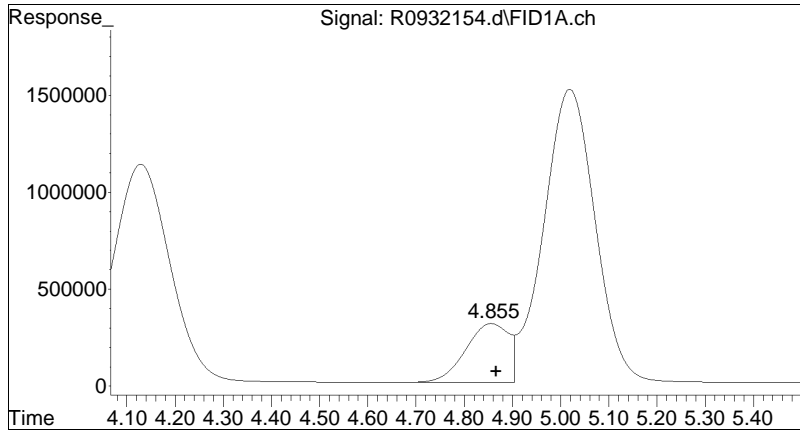
#1 methane

R.T.: 1.140 min
Delta R.T.: -0.030 min
Response: 55902656
Conc: 401.92 ug/L



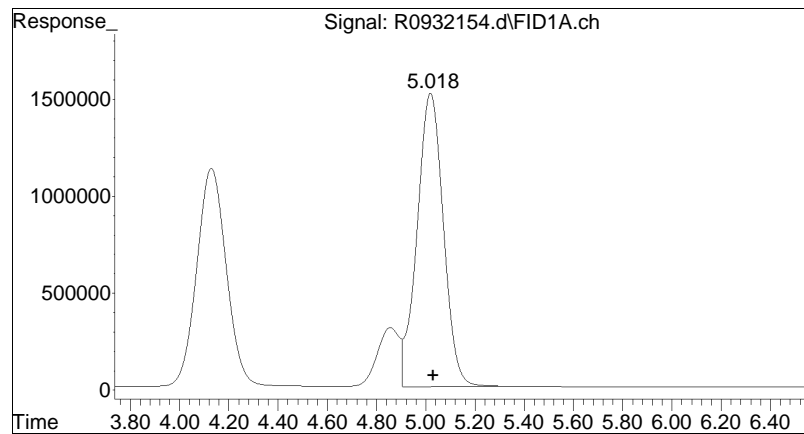
#2 ethene

R.T.: 4.130 min
Delta R.T.: -0.017 min
Response: 94118346
Conc: 727.76 ug/L



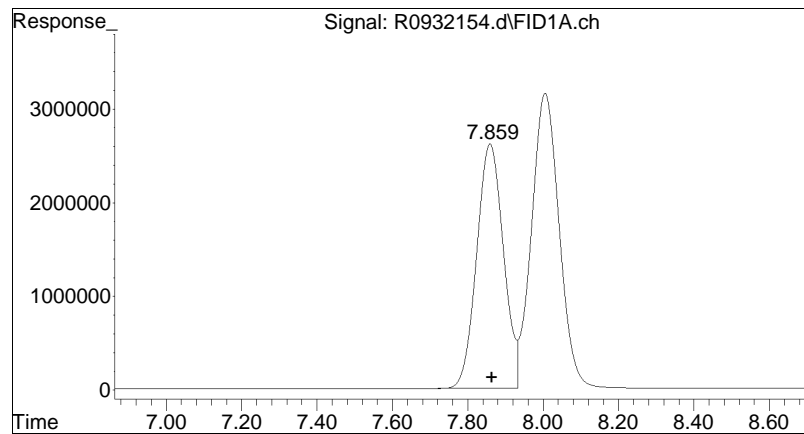
#3 acetylene

R.T.: 4.856 min
Delta R.T.: -0.011 min
Response: 18978388
Conc: 664.04 ug/L



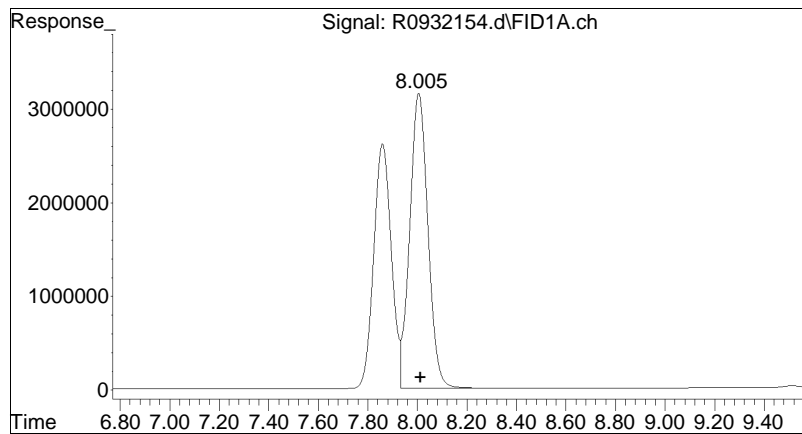
#4 ethane

R.T.: 5.018 min
Delta R.T.: -0.013 min
Response: 112273154
Conc: 787.94 ug/L M4



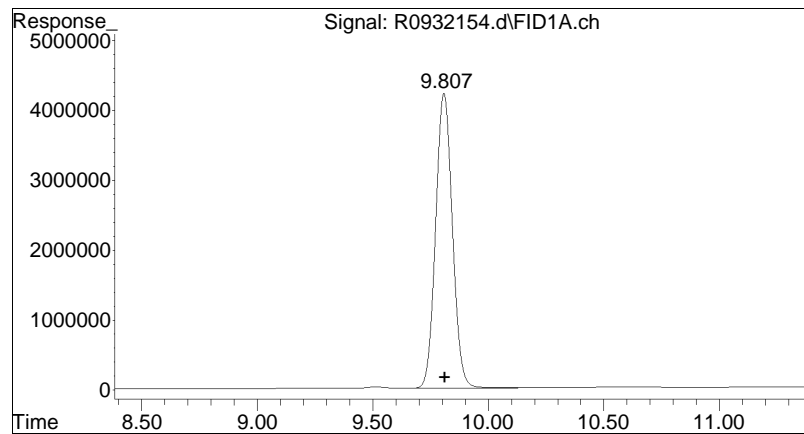
#5 propene

R.T.: 7.860 min
Delta R.T.: -0.004 min
Response: 128495538
Conc: 1150.25 ug/L



#6 propane

R.T.: 8.006 min
Delta R.T.: -0.006 min
Response: 161032025
Conc: 1225.16 ug/L



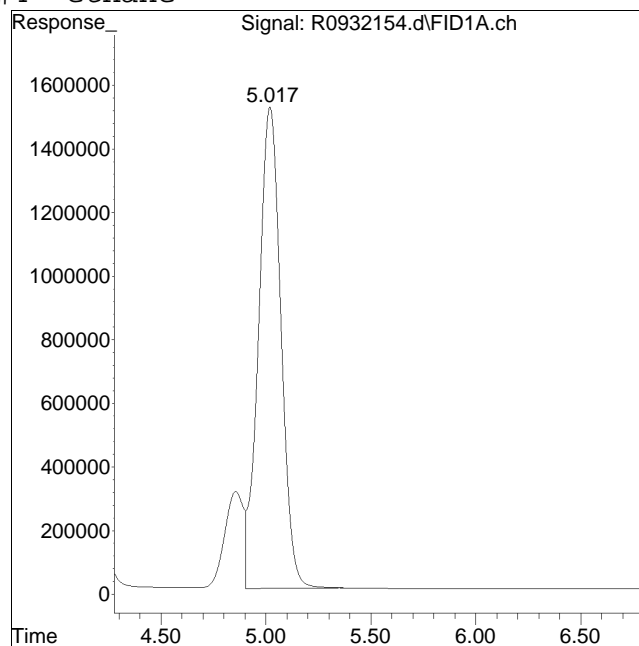
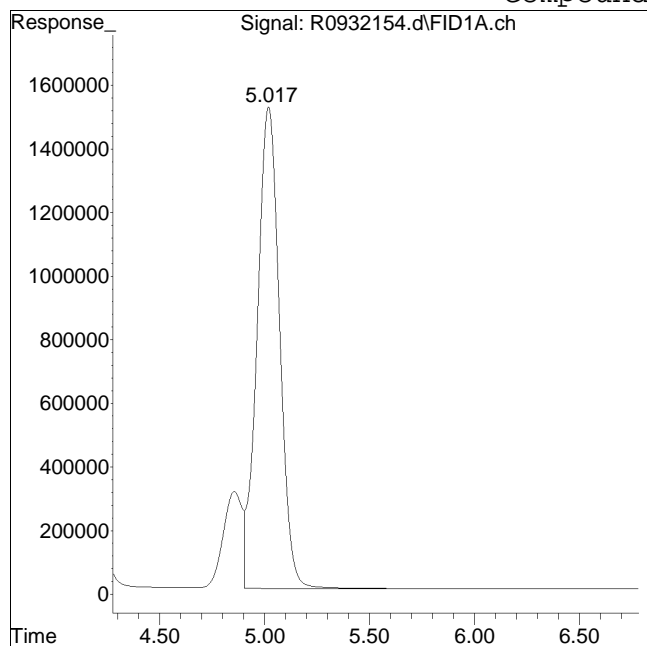
#7 butane

R.T.: 9.809 min
Delta R.T.: -0.005 min
Response: 213519381
Conc: 1736.41 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932154.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD05 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 113142995

Manual Peak Response = 112273154 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932155.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:25 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD06
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:09:02 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.152 | 147425175 | 1059.935 | ug/L |
| 2) ethene | 4.134 | 244234564 | 1888.521 | ug/L M4 |
| 3) acetylene | 4.858 | 53565952 | 1874.244 | ug/L |
| 4) ethane | 5.020 | 288247321 | 2022.925 | ug/L M4 |
| 5) propene | 7.857 | 331409617 | 2966.667 | ug/L |
| 6) propane | 8.003 | 413051233 | 3142.568 | ug/L |
| 7) butane | 9.802 | 542433567 | 4411.256 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

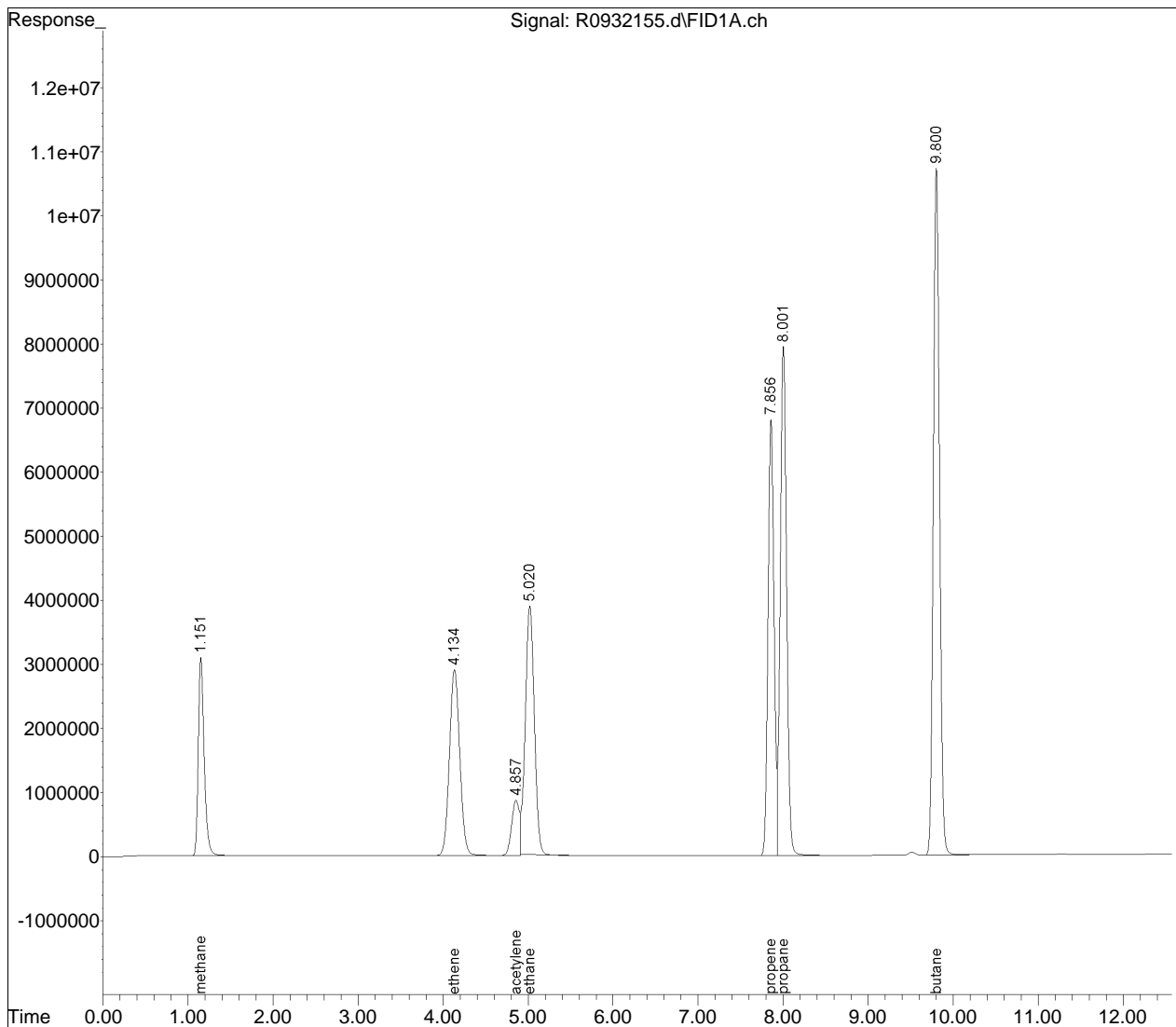
Quantitation Report (QT Reviewed)

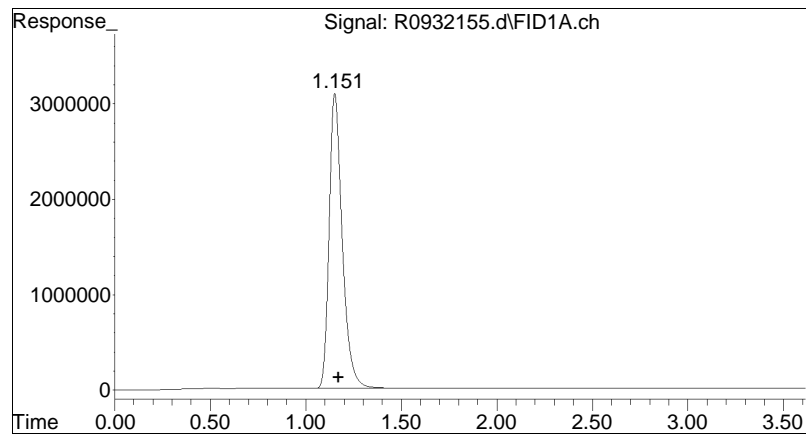
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932155.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:25 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD06
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:09:02 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

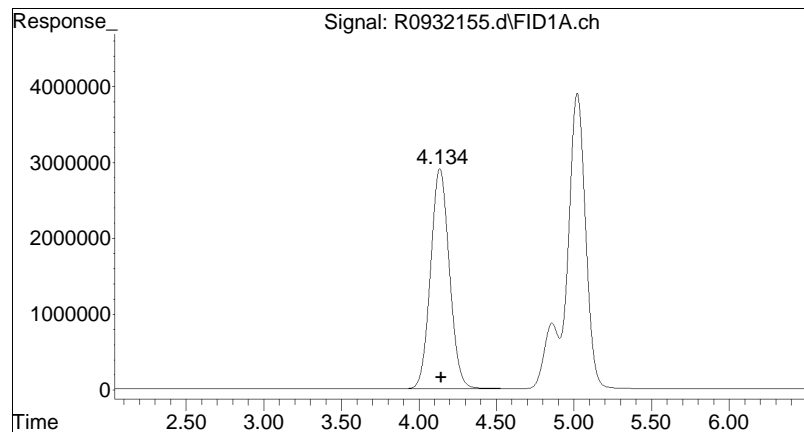
Sub List : Default - All compounds listed





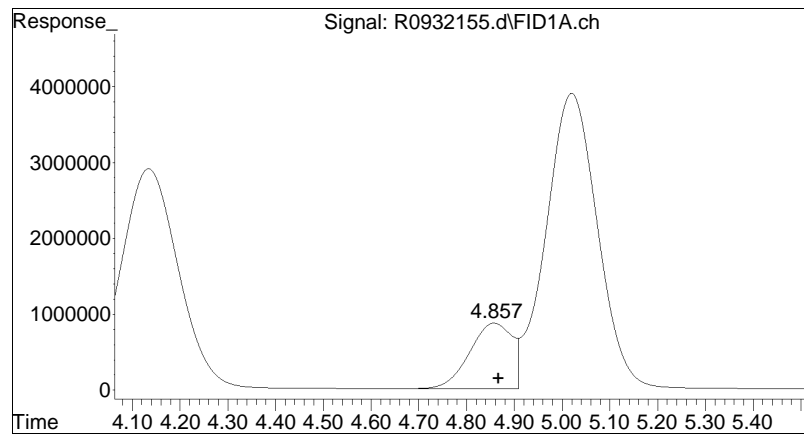
#1 methane

R.T.: 1.152 min
Delta R.T.: -0.018 min
Response: 147425175
Conc: 1059.93 ug/L



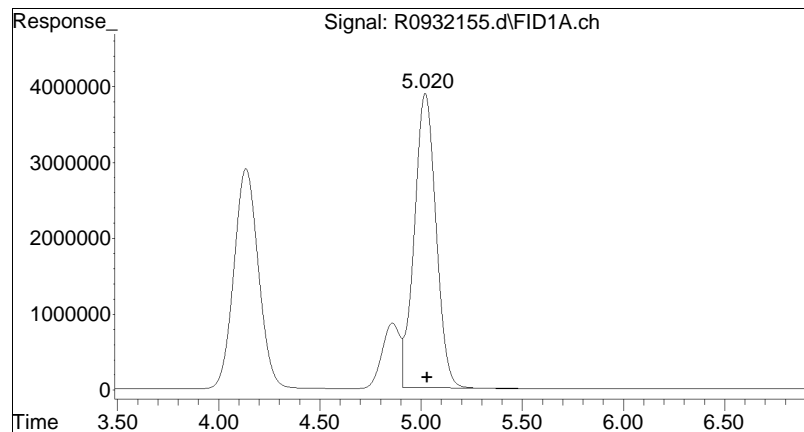
#2 ethene

R.T.: 4.134 min
Delta R.T.: -0.013 min
Response: 244234564
Conc: 1888.52 ug/L M4



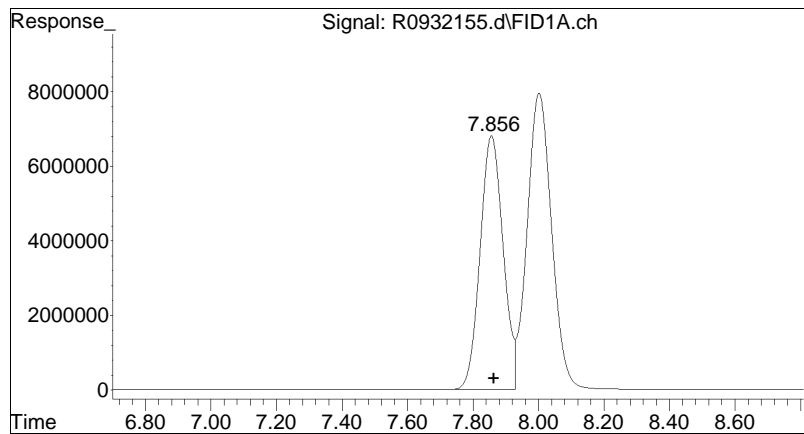
#3 acetylene

R.T.: 4.858 min
Delta R.T.: -0.009 min
Response: 53565952
Conc: 1874.24 ug/L



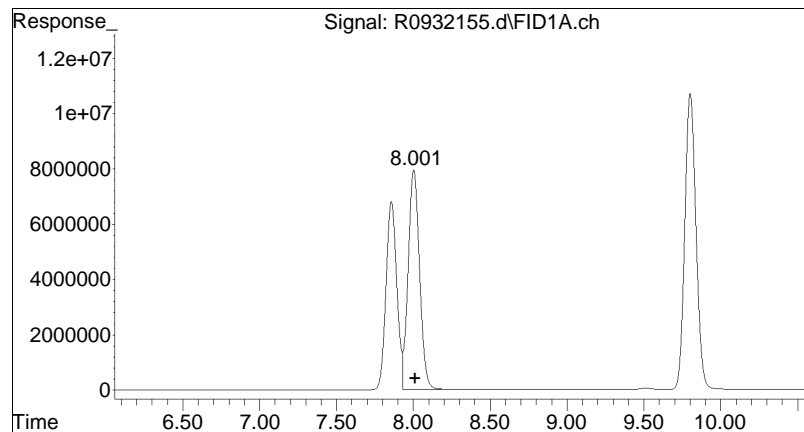
#4 ethane

R.T.: 5.020 min
Delta R.T.: -0.012 min
Response: 288247321
Conc: 2022.93 ug/L M4



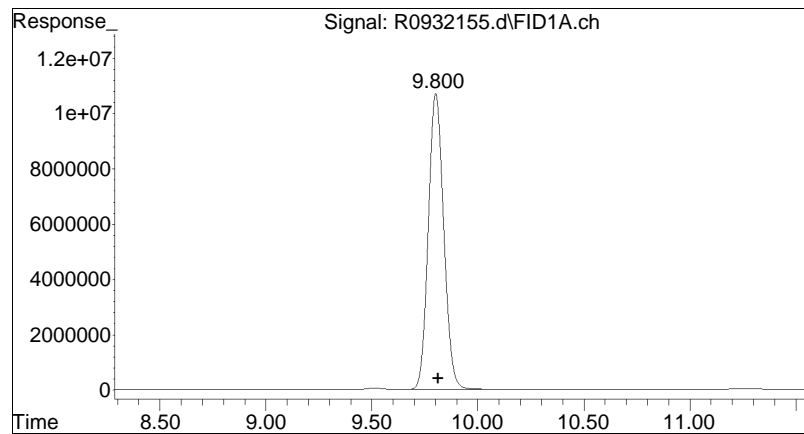
#5 propene

R.T.: 7.857 min
Delta R.T.: -0.007 min
Response: 331409617
Conc: 2966.67 ug/L



#6 propane

R.T.: 8.003 min
Delta R.T.: -0.010 min
Response: 413051233
Conc: 3142.57 ug/L



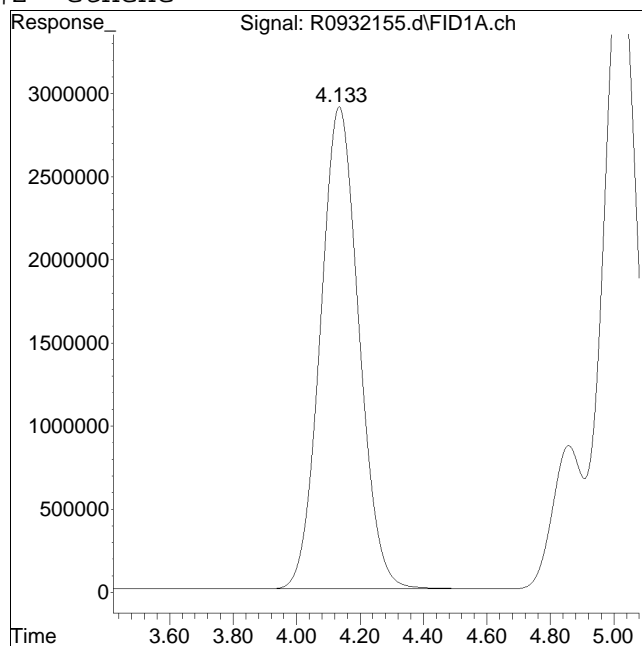
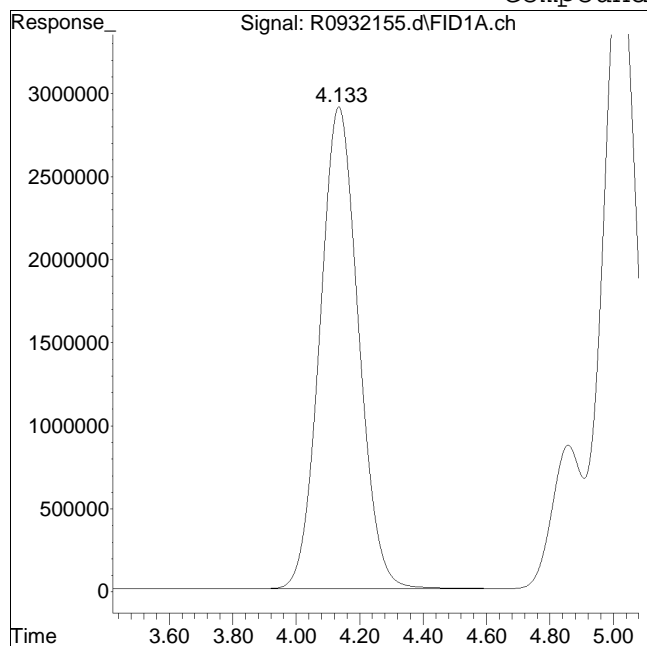
#7 butane

R.T.: 9.802 min
Delta R.T.: -0.011 min
Response: 542433567
Conc: 4411.26 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932155.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD06 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 245220350

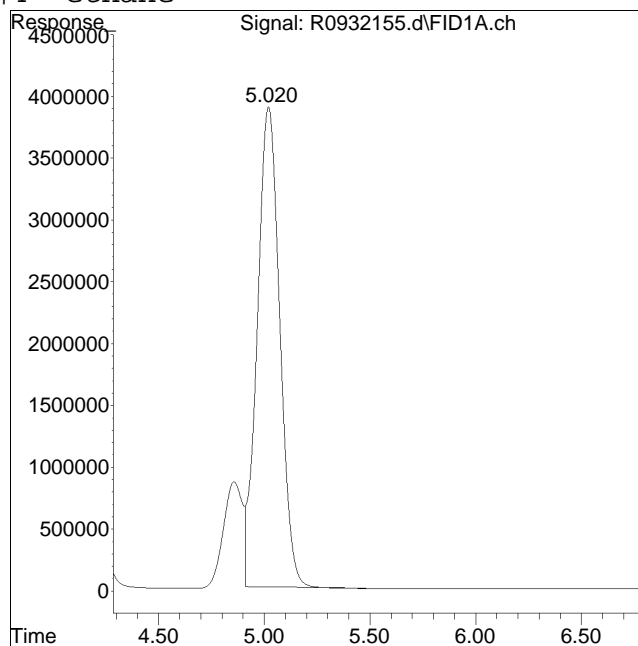
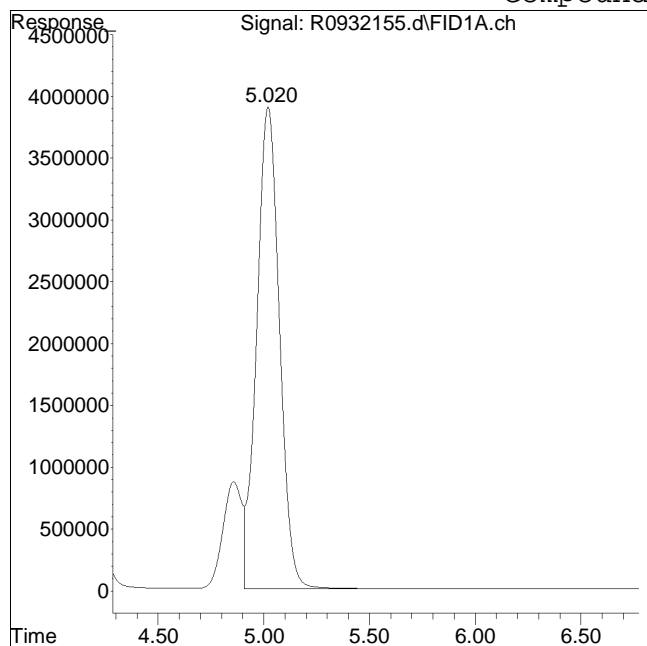
Manual Peak Response = 244234564 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932155.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD06 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 293182906

Manual Peak Response = 288247321 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932156.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:44 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD07
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:10:30 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|------------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.169 | 339117932 | 2438.138 | ug/L |
| 2) ethene | 4.132 | 561809865 | 4344.142 | ug/L M4 |
| 3) acetylene | 4.855 | 142335258 | 4980.234 | ug/L |
| 4) ethane | 5.014 | 665202592 | 4668.405 | ug/L M4 |
| 5) propene | 7.846 | 746622895 | 6683.515 | ug/L |
| 6) propane | 7.990 | 916853641 | 6975.587 | ug/L M4 |
| 7) butane | 9.790 | 1170617248 | 9519.862 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

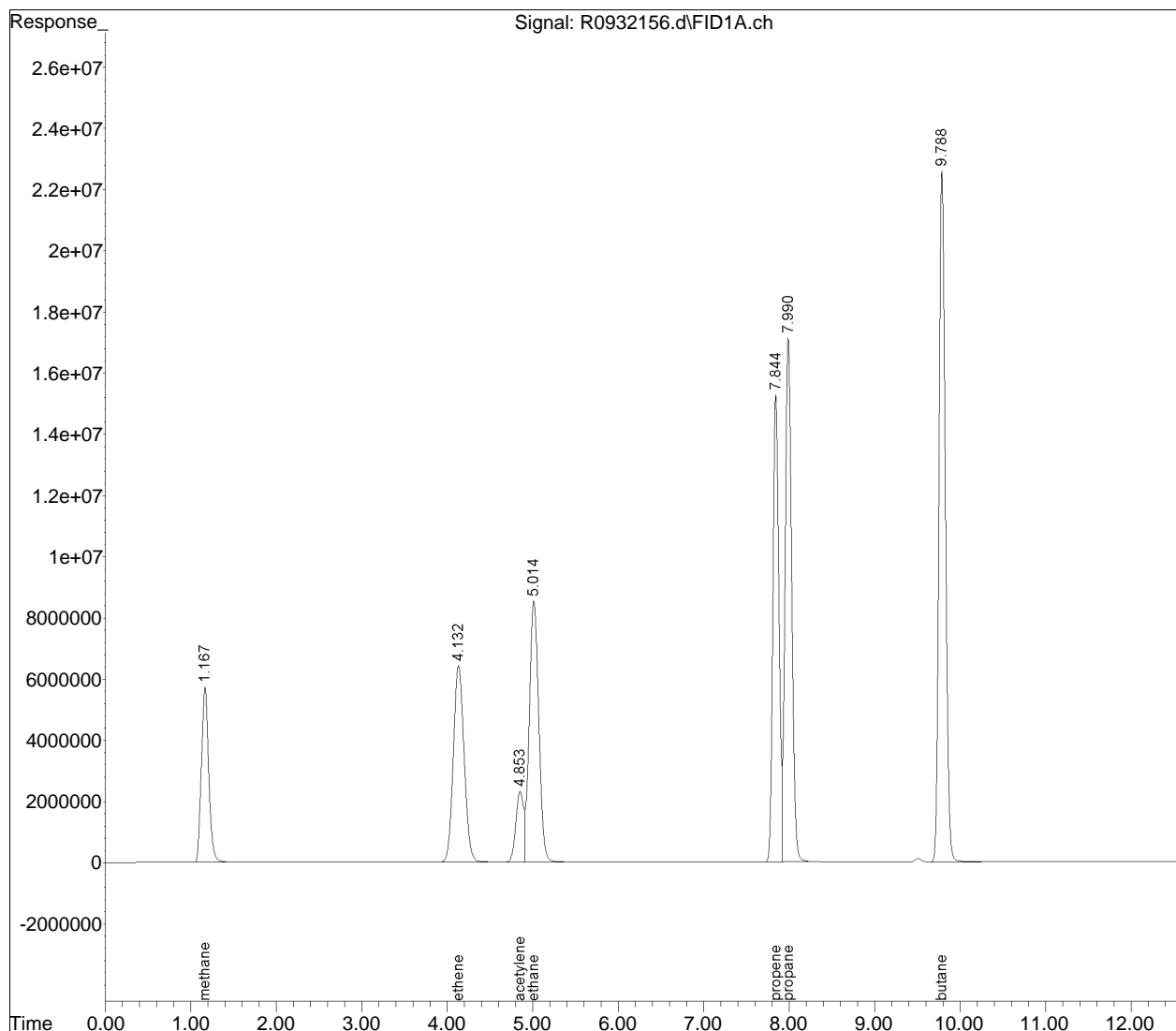
Quantitation Report (QT Reviewed)

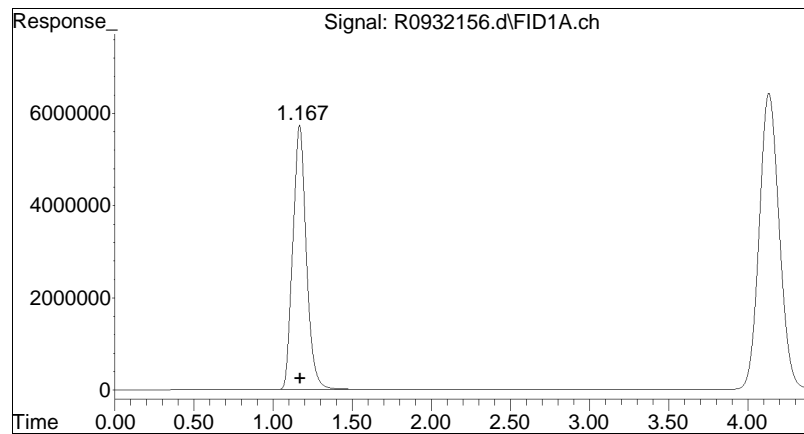
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932156.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:44 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD07
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:10:30 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

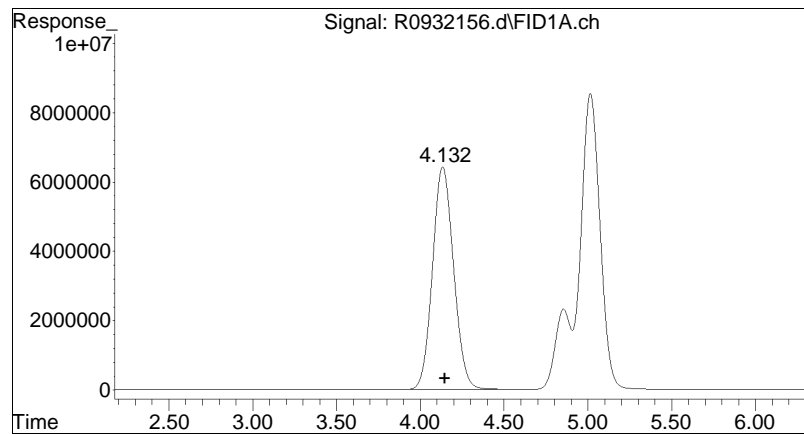
Sub List : Default - All compounds listed





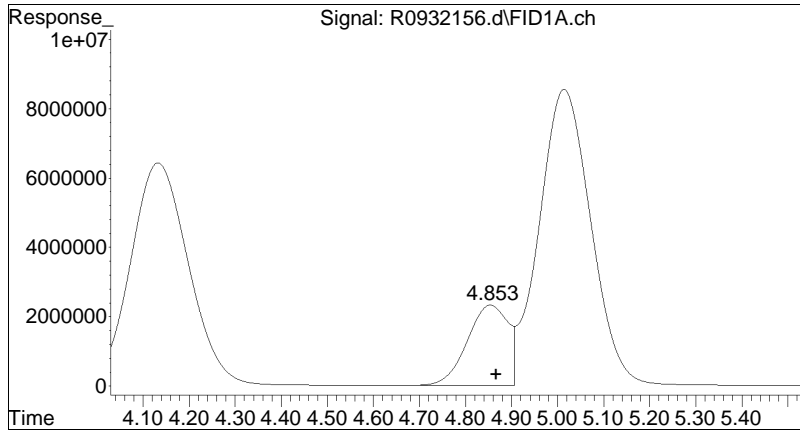
#1 methane

R.T.: 1.169 min
Delta R.T.: -0.001 min
Response: 339117932
Conc: 2438.14 ug/L



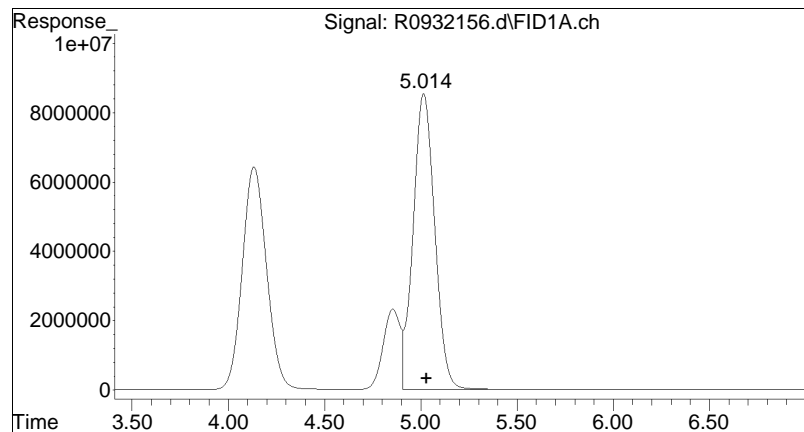
#2 ethene

R.T.: 4.132 min
Delta R.T.: -0.014 min
Response: 561809865
Conc: 4344.14 ug/L M4



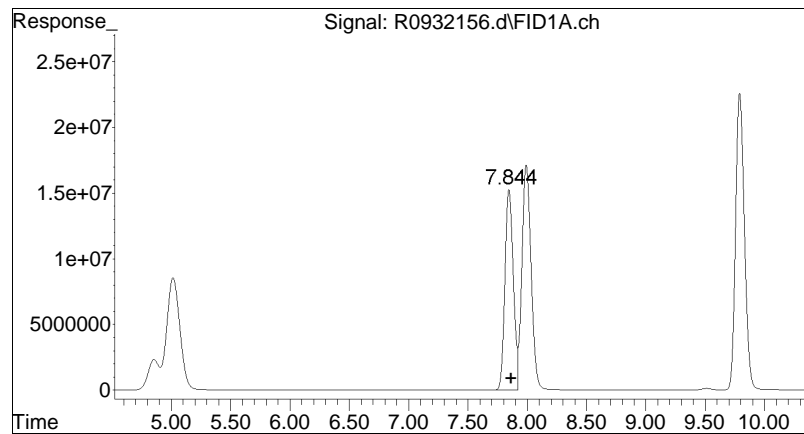
#3 acetylene

R.T.: 4.855 min
Delta R.T.: -0.012 min
Response: 142335258
Conc: 4980.23 ug/L



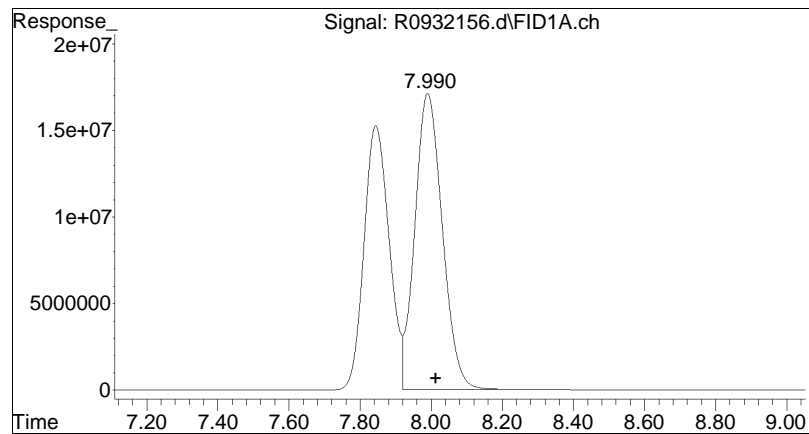
#4 ethane

R.T.: 5.014 min
Delta R.T.: -0.018 min
Response: 665202592
Conc: 4668.40 ug/L M4



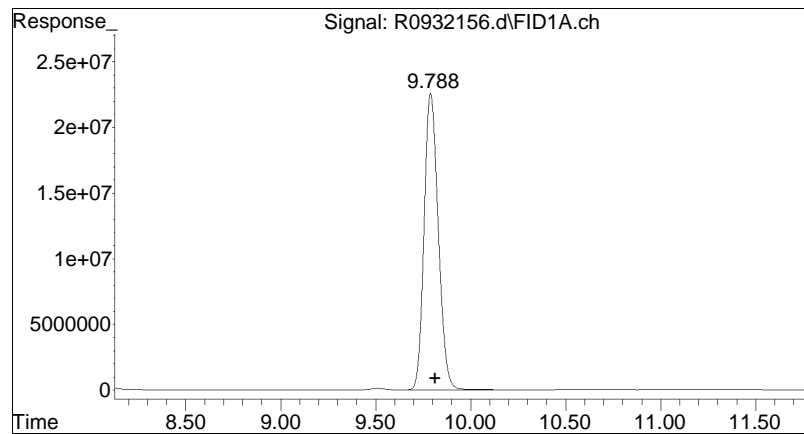
#5 propene

R.T.: 7.846 min
Delta R.T.: -0.018 min
Response: 746622895
Conc: 6683.52 ug/L



#6 propane

R.T.: 7.990 min
Delta R.T.: -0.023 min
Response: 916853641
Conc: 6975.59 ug/L M4



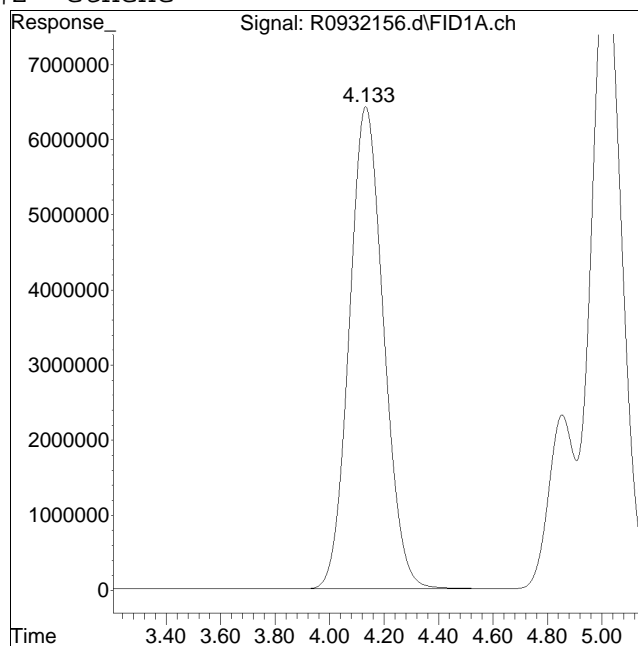
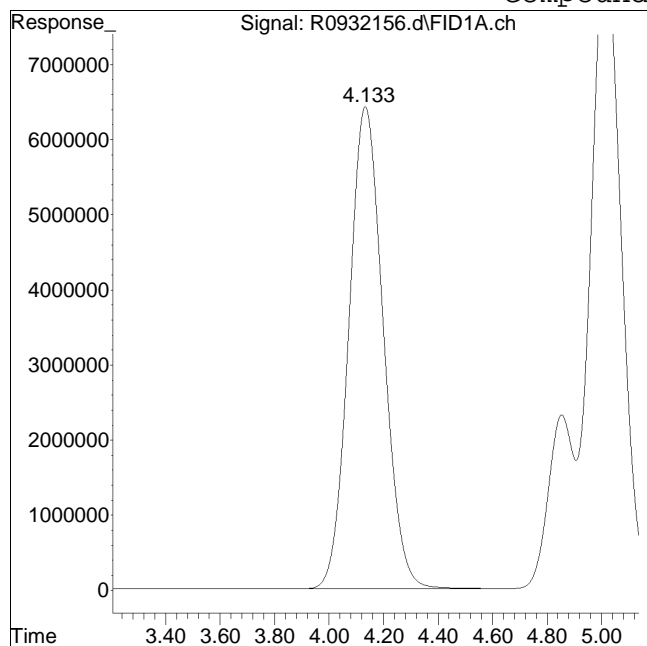
#7 butane

R.T.: 9.790 min
Delta R.T.: -0.023 min
Response: 1170617248
Conc: 9519.86 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 564039362

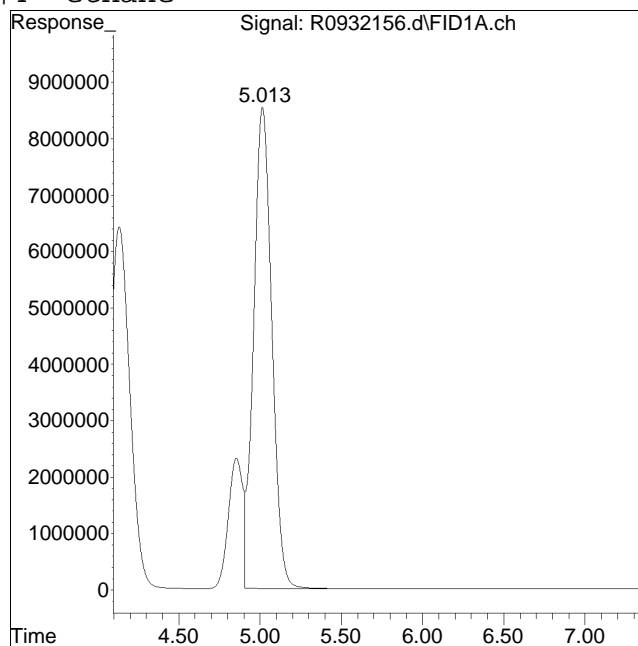
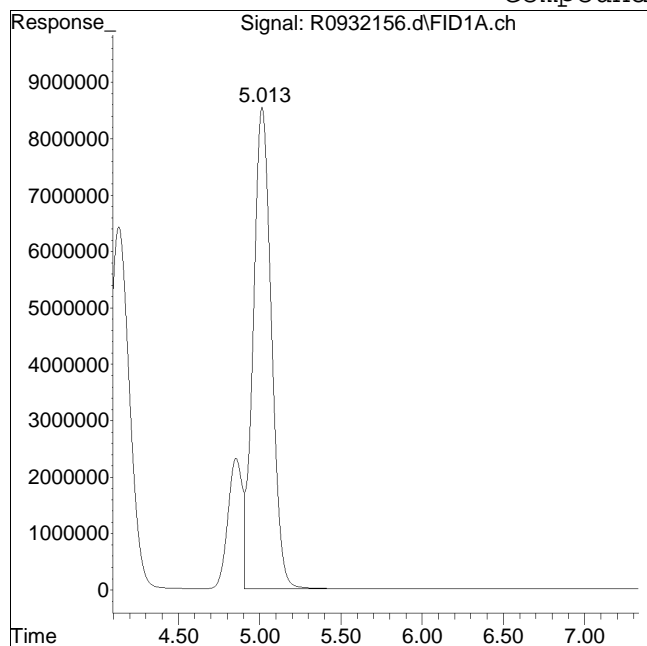
Manual Peak Response = 561809865 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 669657740

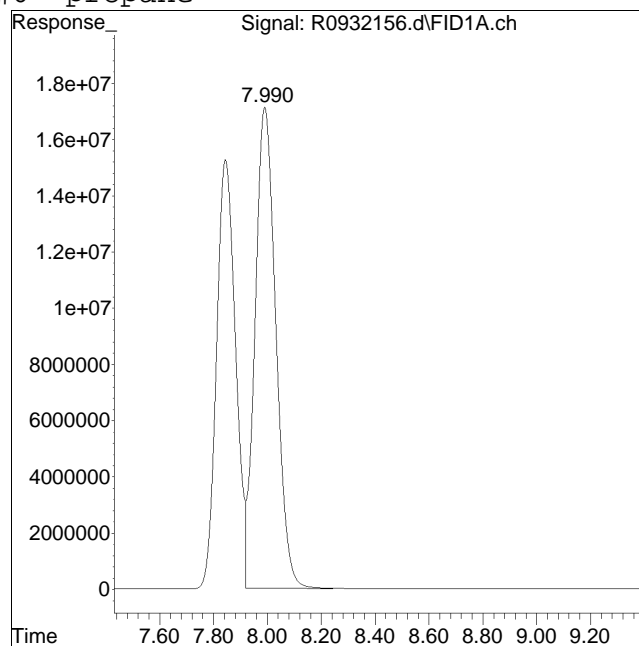
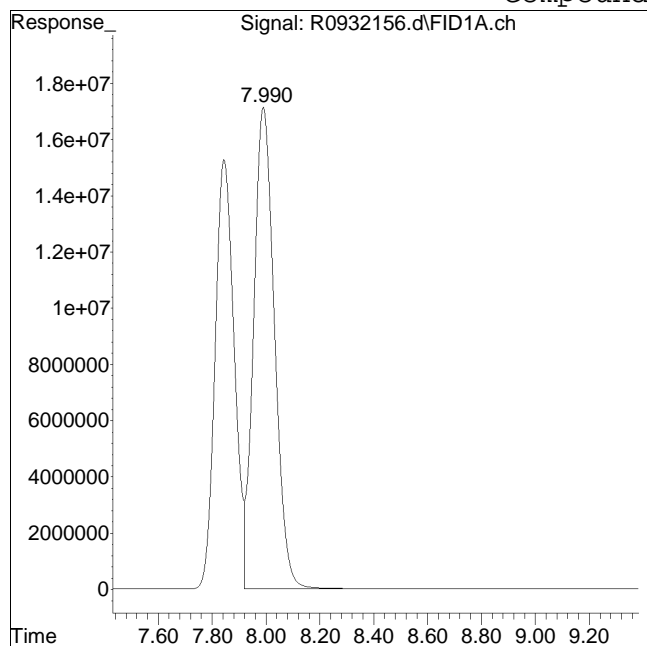
Manual Peak Response = 665202592 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #6: propane



Original Peak Response = 925080415

Manual Peak Response = 916853641 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932157.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 6:04 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD08
 Misc : WG1369720
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:11:41 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : methane_only - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|------------|----------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.155 | 3054682180 | 21962.081 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

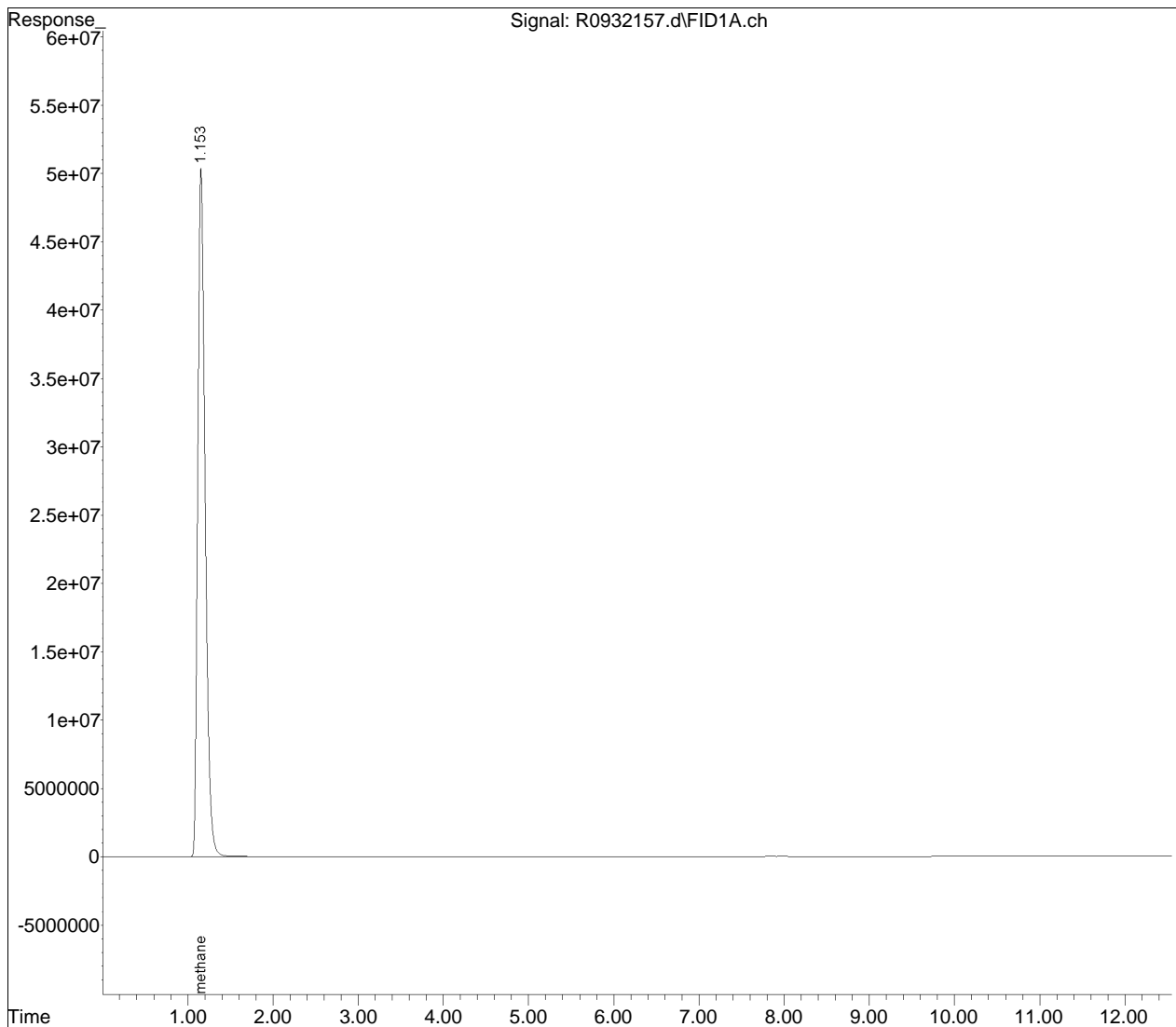
Quantitation Report (QT Reviewed)

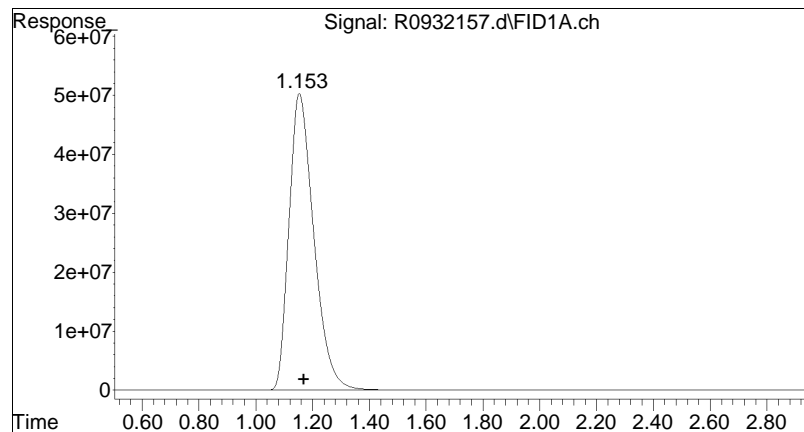
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932157.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 6:04 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD08
Misc : WG1369720
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:11:41 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : methane_only - All compounds listed





#1 methane

R.T.: 1.155 min
Delta R.T.: -0.015 min
Response: 3054682180
Conc: 21962.08 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932157.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 4 Instrument : Airlab9
Sample : IDISSGASSTD08 Quant Date : 5/12/2020 7:02 am

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932159.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 6:38 pm
 Operator : AIRLAB9:AR
 Sample : CDISSGASTD04
 Misc : WG1369720
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:15:18 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 56.625 | -3.7 | 102 | 0.00 |
| 2 | ethene | * 95.500 | 91.078 | 4.6 | 104 | 0.00 |
| 3 | acetylene | * 88.700 | 90.556 | -2.1 | 106 | 0.00 |
| 4 | ethane | *102.000 | 100.449 | 1.5 | 108 | 0.00 |
| 5 | propene | *143.000 | 141.616 | 1.0 | 114 | 0.00 |
| 6 | propane | *150.000 | 152.280 | -1.5 | 115 | 0.00 |
| 7 | butane | *198.000 | 192.957 | 2.5 | 115 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932159.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 6:38 pm
 Operator : AIRLAB9:AR
 Sample : CDISSGASTD04
 Misc : WG1369720
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:15:18 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.171 | 7923957 | 56.625 | ug/L M4 |
| 2) ethene | 4.148 | 12983783 | 91.078 | ug/L M4 |
| 3) acetylene | 4.868 | 2692330 | 90.556 | ug/L M4 |
| 4) ethane | 5.034 | 15811807 | 100.449 | ug/L |
| 5) propene | 7.866 | 17963803 | 141.616 | ug/L |
| 6) propane | 8.012 | 22708071 | 152.280 | ug/L |
| 7) butane | 9.811 | 28044598 | 192.957 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

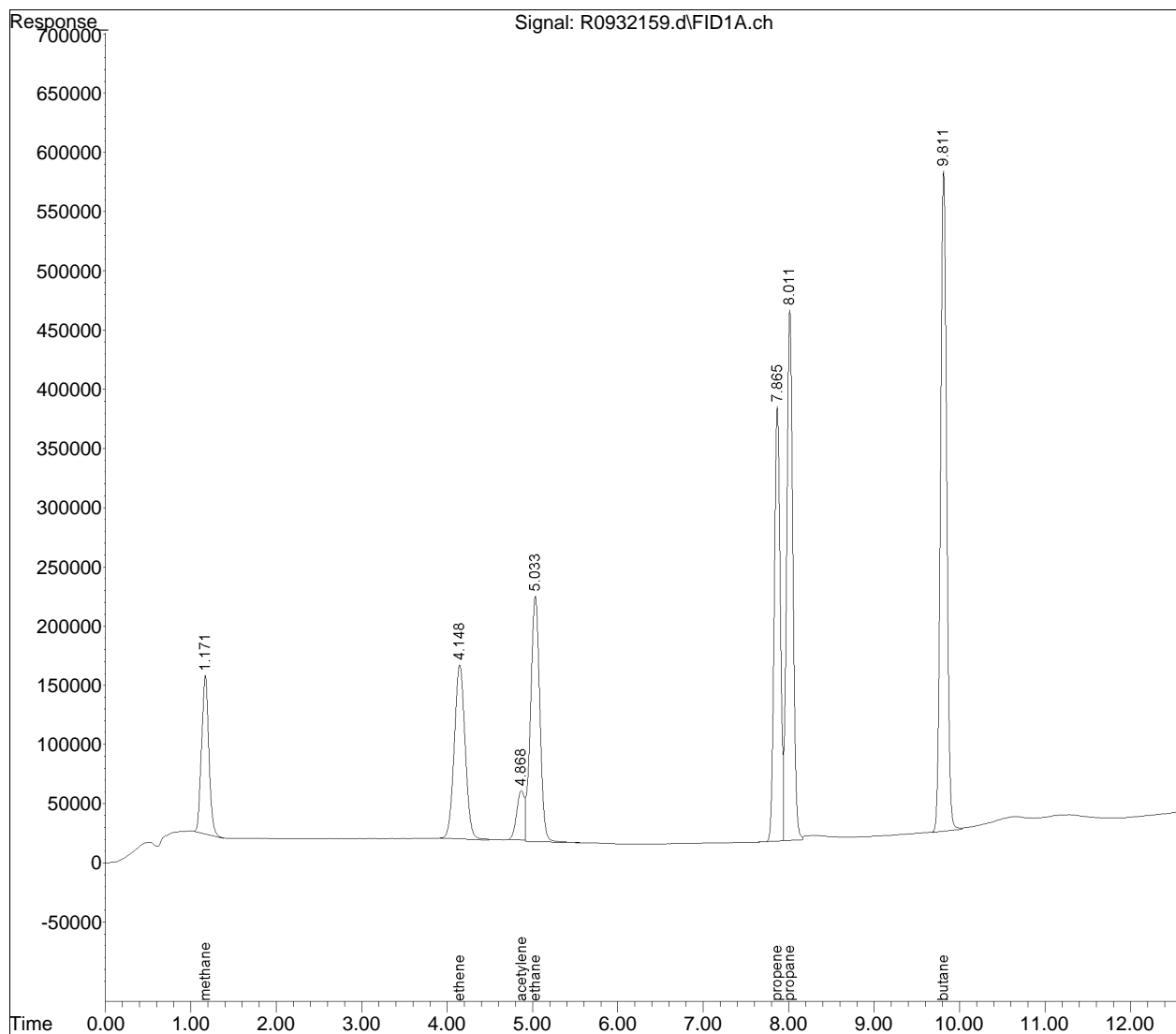
Quantitation Report (QT Reviewed)

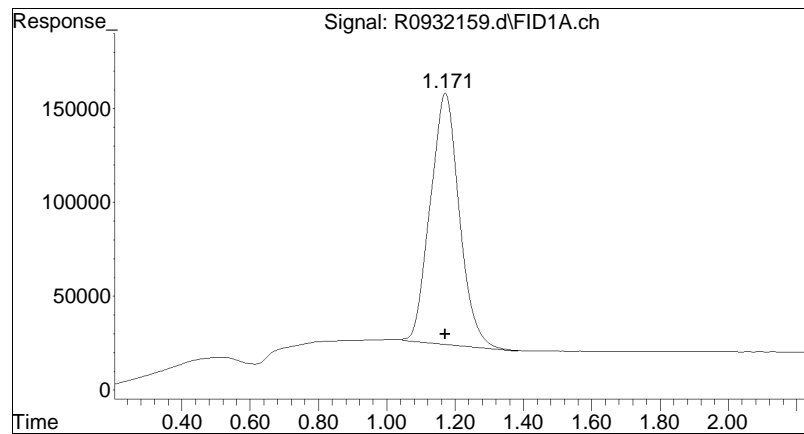
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932159.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 6:38 pm
Operator : AIRLAB9:AR
Sample : CDISSGASTD04
Misc : WG1369720
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:15:18 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

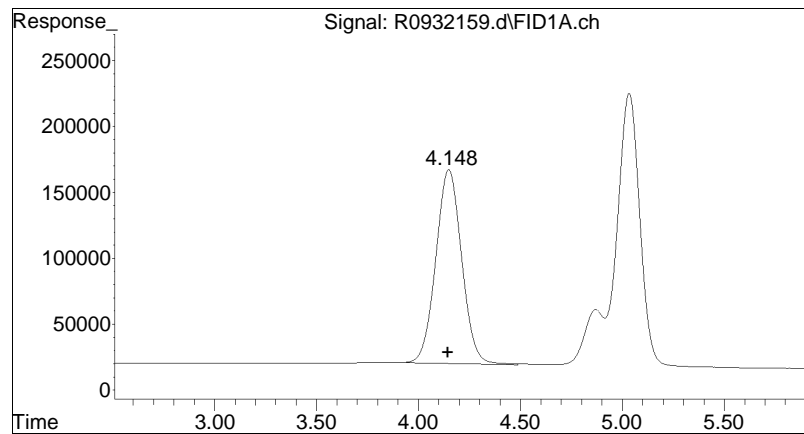
Sub List : Default - All compounds listed





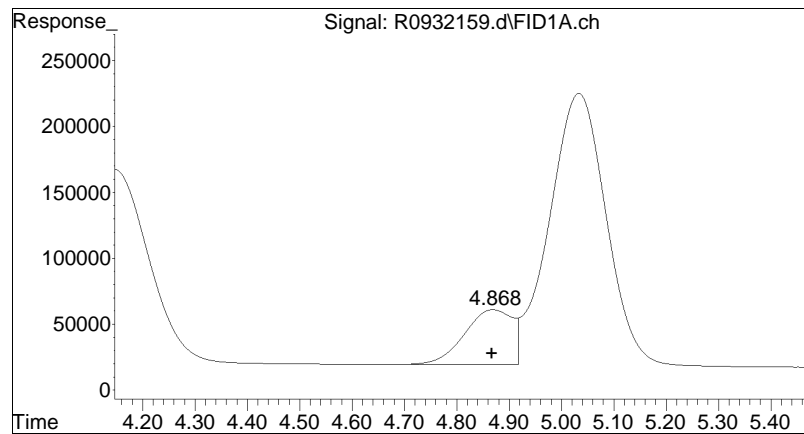
#1 methane

R.T.: 1.171 min
Delta R.T.: 0.000 min
Response: 7923957
Conc: 56.62 ug/L M4



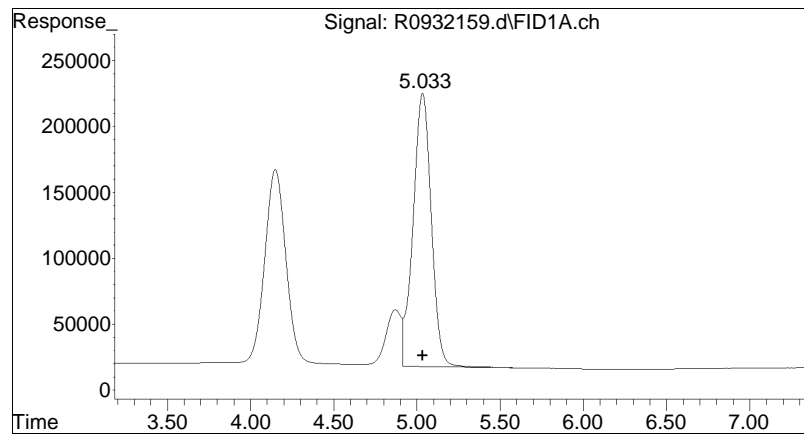
#2 ethene

R.T.: 4.148 min
Delta R.T.: 0.000 min
Response: 12983783
Conc: 91.08 ug/L M4



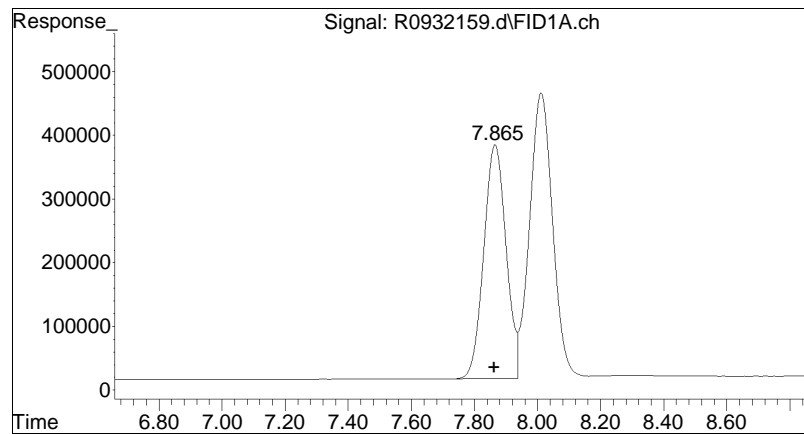
#3 acetylene

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 2692330
Conc: 90.56 ug/L M4



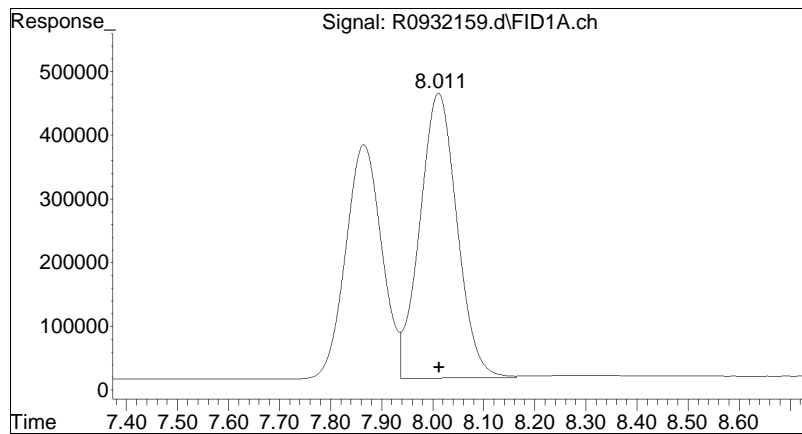
#4 ethane

R.T.: 5.034 min
Delta R.T.: 0.003 min
Response: 15811807
Conc: 100.45 ug/L



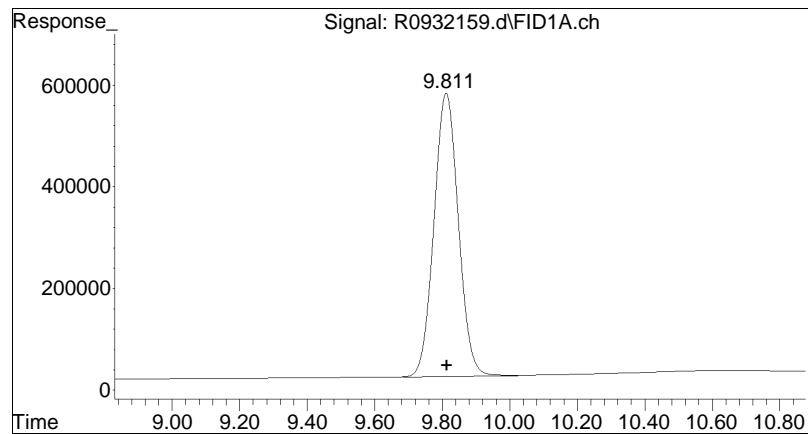
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 17963803
Conc: 141.62 ug/L



#6 propane

R.T.: 8.012 min
Delta R.T.: 0.000 min
Response: 22708071
Conc: 152.28 ug/L



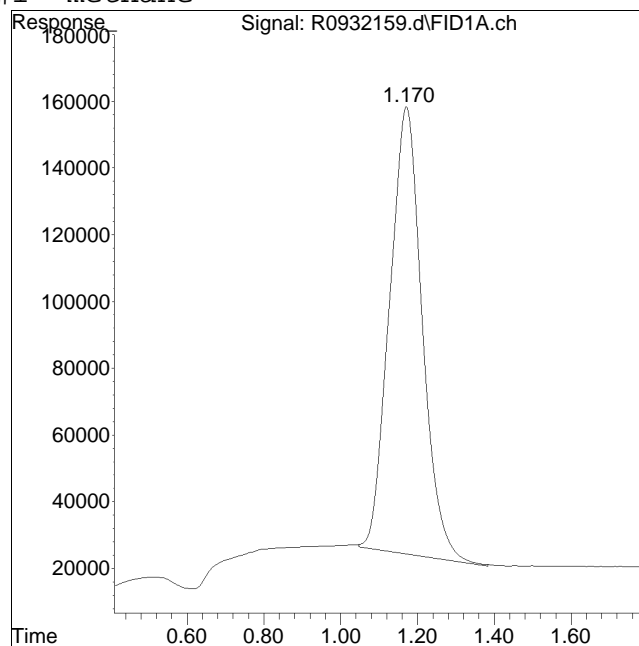
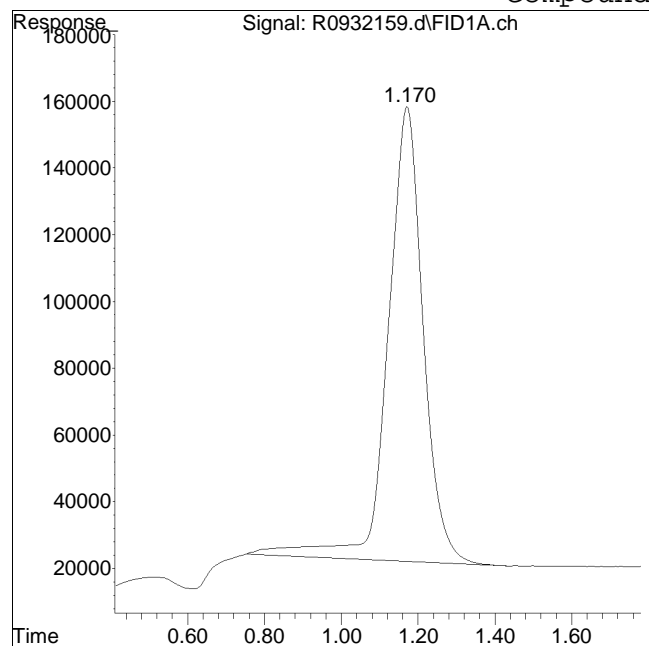
#7 butane

R.T.: 9.811 min
Delta R.T.: -0.002 min
Response: 28044598
Conc: 192.96 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #1: methane



Original Peak Response = 8755782

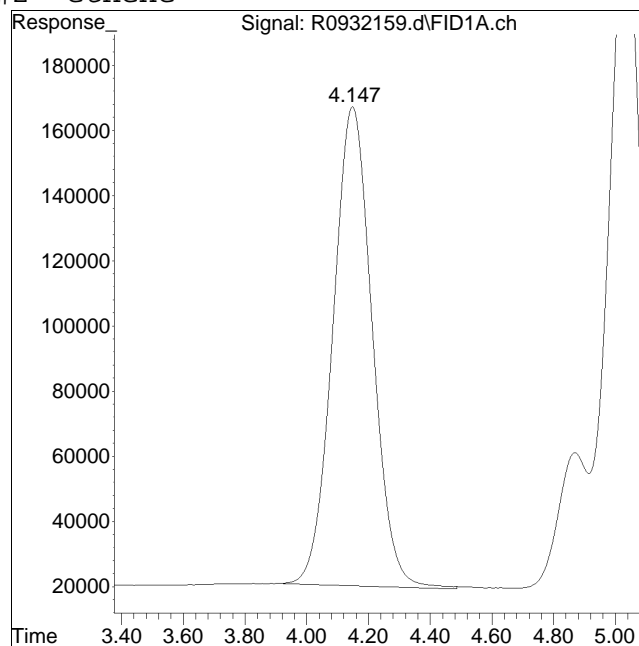
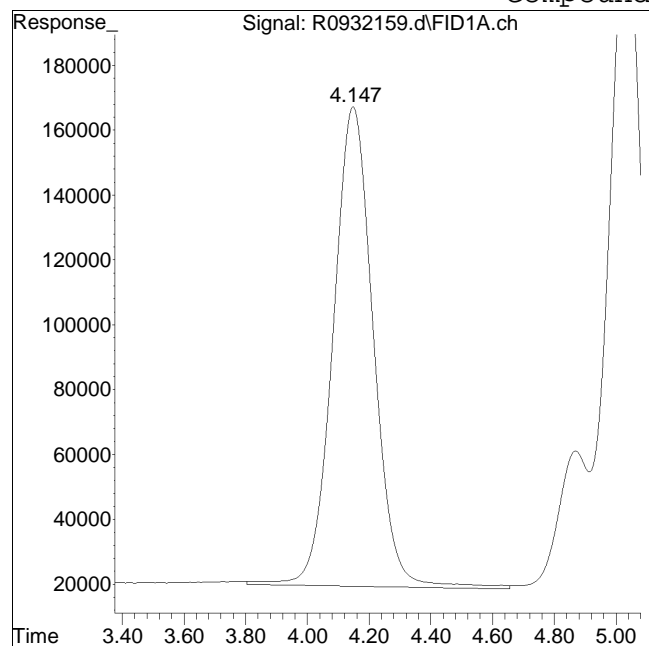
Manual Peak Response = 7923957 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #2: ethene



Original Peak Response = 13424246

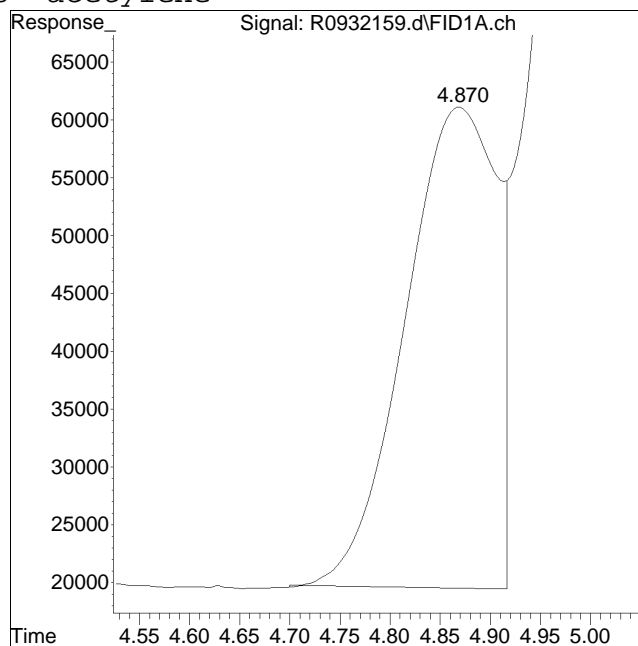
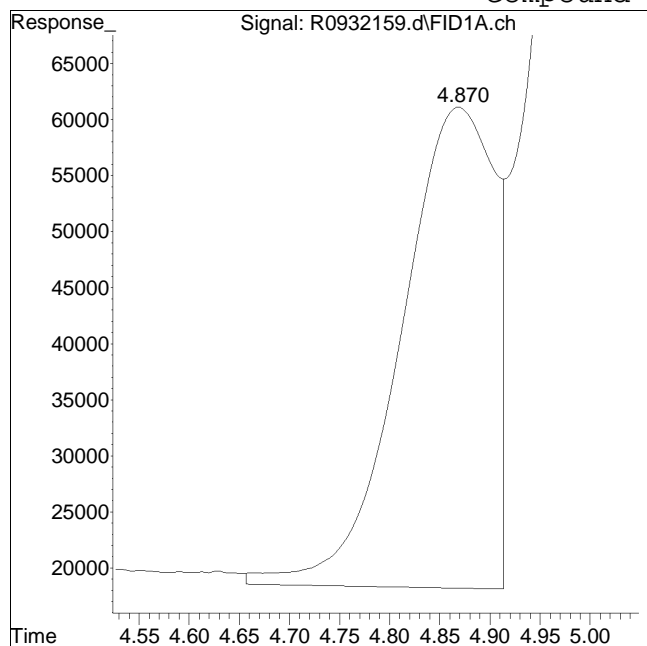
Manual Peak Response = 12983783 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #3: acetylene



Original Peak Response = 2762837

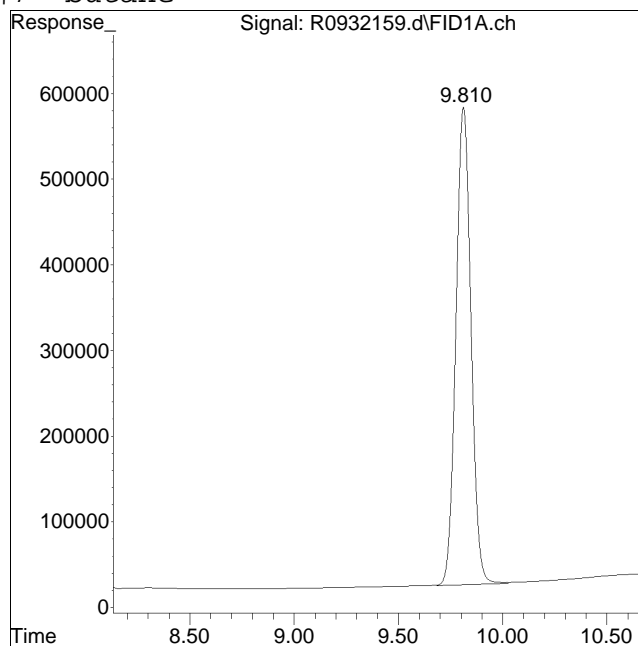
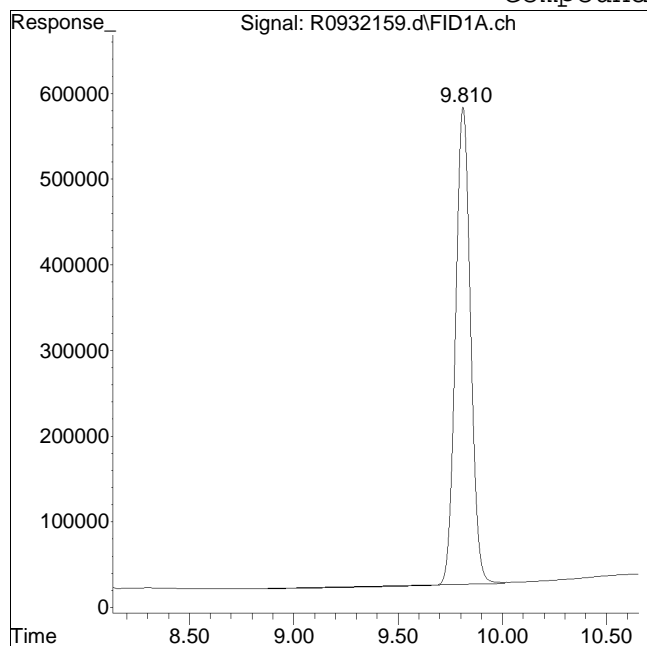
Manual Peak Response = 2692330 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #7: butane



Original Peak Response = 27640079

Manual Peak Response = 28044598 M4

M4 = Poor automated baseline construction.

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : AIRLAB9
Lab File ID : R0943980
Sample No : WG1694803-1
Channel :

Lab Number : L2253502
Project Number : 0047.0044Y047
Calibration Date : 09/30/22 13:50
Init. Calib. Date(s) : 05/11/20 05/11/20
Init. Calib. Times : 15:46 18:04

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|-----------|----------|---------|---------|------|--------|-------|----------|
| methane | 54.6 | 56.814 | - | -4.1 | 20 | 102 | .01 |
| ethene | 95.5 | 93.965 | - | 1.6 | 20 | 107 | .06 |
| acetylene | 88.7 | 88.129 | - | 0.6 | 20 | 103 | .06 |
| ethane | 102 | 98.539 | - | 3.4 | 20 | 106 | .05 |
| propene | 143 | 143.236 | - | -0.2 | 20 | 116 | .02 |
| propane | 150 | 151.807 | - | -1.2 | 20 | 115 | .01 |
| butane | 198 | 203.843 | - | -3 | 20 | 122 | 0 |

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943980.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 1:50 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-1,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:16:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 56.814 | -4.1 | 102 | 0.01 |
| 2 | ethene | * 95.500 | 93.965 | 1.6 | 107 | 0.06 |
| 3 | acetylene | * 88.700 | 88.129 | 0.6 | 103 | 0.06 |
| 4 | ethane | *102.000 | 98.539 | 3.4 | 106 | 0.05 |
| 5 | propene | *143.000 | 143.236 | -0.2 | 116 | 0.02 |
| 6 | propane | *150.000 | 151.807 | -1.2 | 115 | 0.01 |
| 7 | butane | *198.000 | 203.843 | -3.0 | 122 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943980.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 1:50 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-1,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:16:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7950406 | 56.814 ug/L |
| 2) ethene | 4.211 | 13395390 | 93.965 ug/L |
| 3) acetylene | 4.928 | 2620180 | 88.129 ug/L |
| 4) ethane | 5.086 | 15511119 | 98.539 ug/L |
| 5) propene | 7.884 | 18169224 | 143.236 ug/L |
| 6) propane | 8.028 | 22637656 | 151.807 ug/L |
| 7) butane | 9.816 | 29626760 | 203.843 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

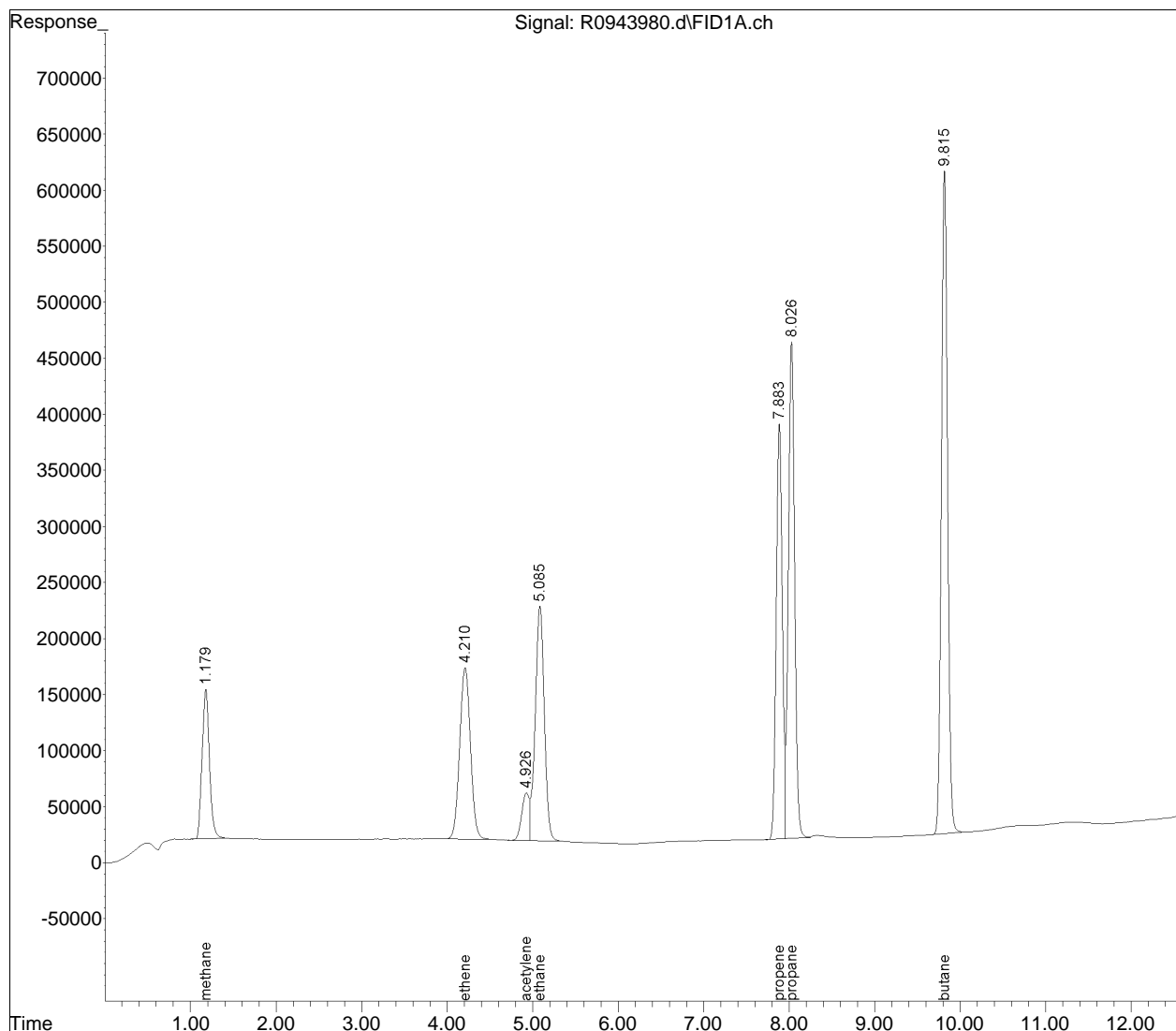
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943980.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 1:50 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-1,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:16:56 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943980.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 1:50 pm Instrument : Airlab9
Sample : WG1694803-1,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943995.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 9:25 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-6,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:26:42 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 59.346 | -8.7 | 107 | 0.01 |
| 2 | ethene | * 95.500 | 96.449 | -1.0 | 110 | 0.07 |
| 3 | acetylene | * 88.700 | 91.917 | -3.6 | 107 | 0.06 |
| 4 | ethane | *102.000 | 101.593 | 0.4 | 109 | 0.05 |
| 5 | propene | *143.000 | 142.791 | 0.1 | 115 | 0.02 |
| 6 | propane | *150.000 | 152.274 | -1.5 | 115 | 0.02 |
| 7 | butane | *198.000 | 195.570 | 1.2 | 117 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943995.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 9:25 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-6,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:26:42 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|-----------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.181 | 8304717 | 59.346 ug/L |
| 2) ethene | 4.213 | 13749466 | 96.449 ug/L |
| 3) acetylene | 4.930 | 2732802 | 91.917 ug/L |
| 4) ethane | 5.086 | 15991796 | 101.593 ug/L |
| 5) propene | 7.885 | 18112827 | 142.791 ug/L |
| 6) propane | 8.028 | 22707240 | 152.274 ug/L |
| 7) butane | 9.815 | 28424389 | 195.570 ug/L M2 |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

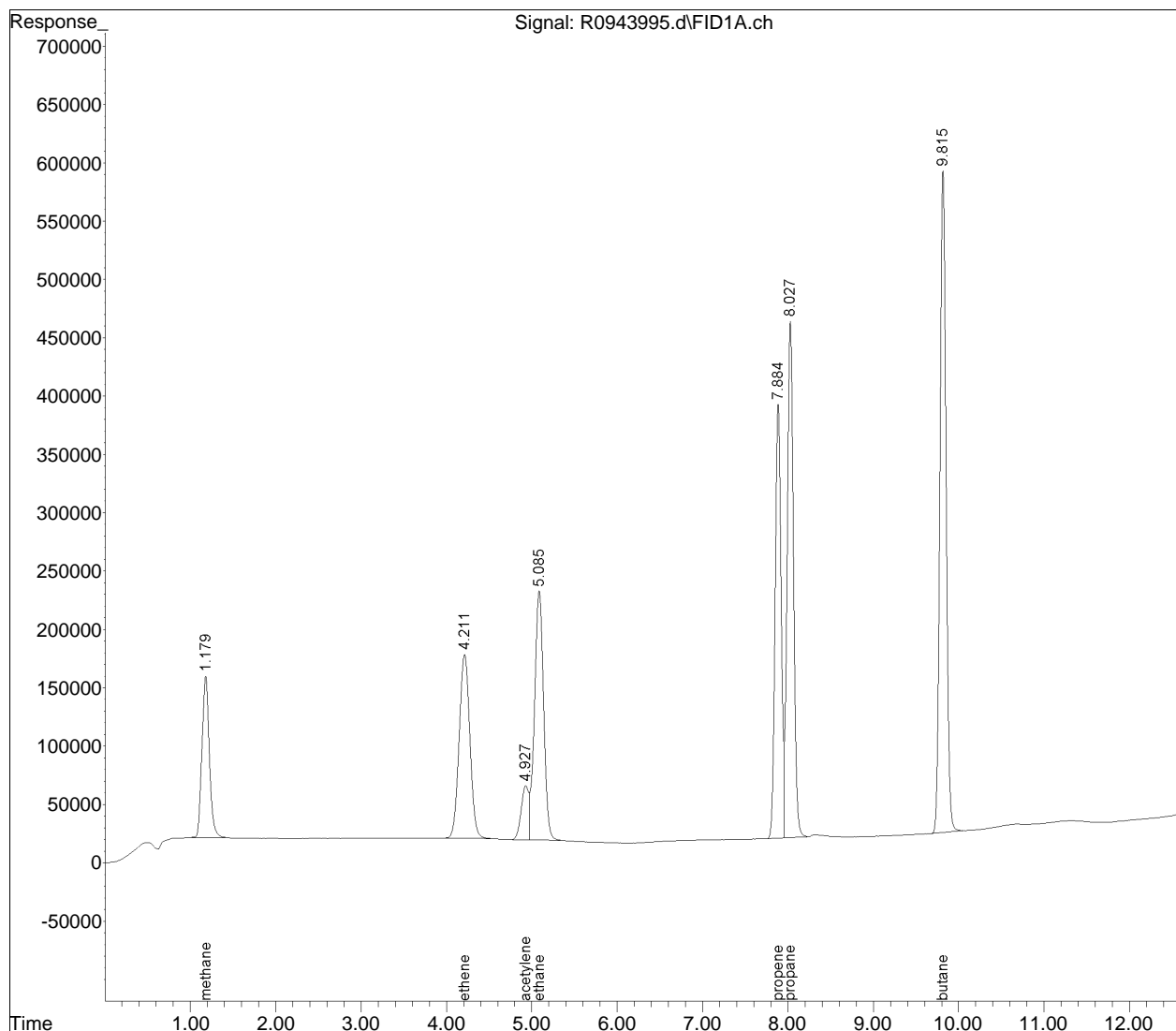
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943995.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 9:25 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-6,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:26:42 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

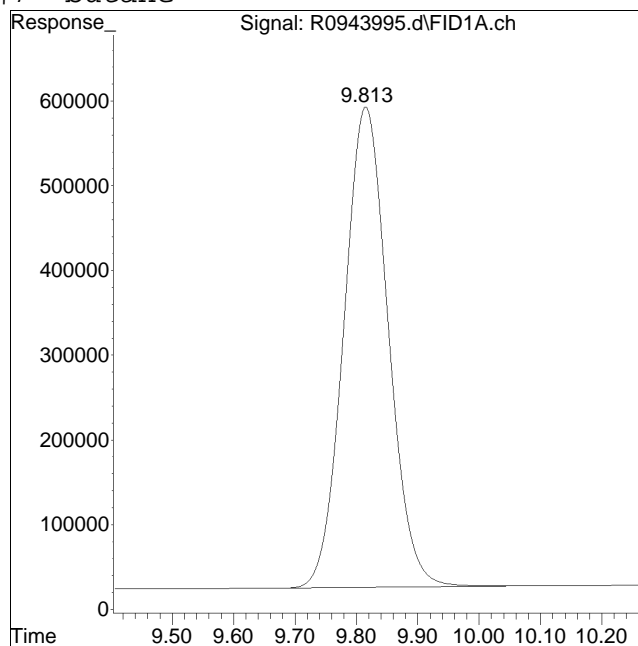
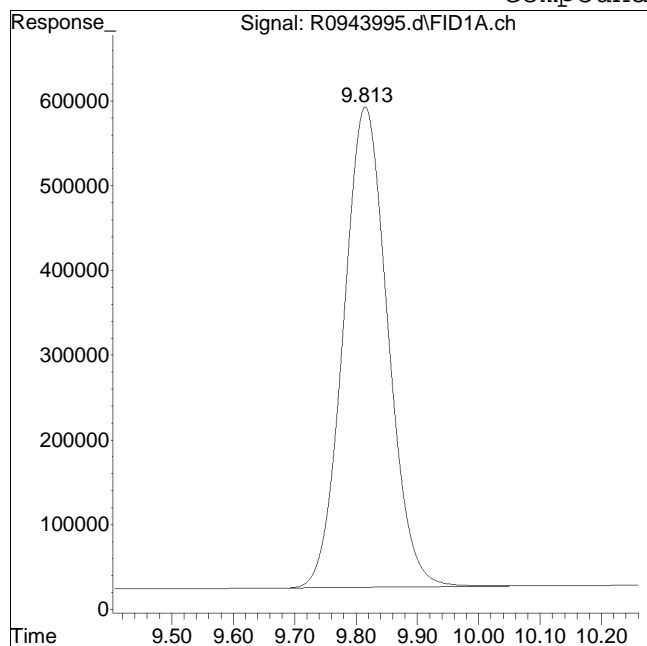
Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943995.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 9:25 pm Instrument : Airlab9
Sample : WG1694803-6,4,0.5,0.5 Quant Date : 10/3/2022 2:17 pm

Compound #7: butane



Original Peak Response = 28408144

Manual Peak Response = 28424389 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943998.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 10:35 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-7,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:28:57 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|-------|-------|----------|
| 1 | methane | * 54.600 | 58.165 | -6.5 | 105 | 0.01 |
| 2 | ethene | * 95.500 | 93.720 | 1.9 | 107 | 0.06 |
| 3 | acetylene | * 88.700 | 100.538 | -13.3 | 117 | 0.06 |
| 4 | ethane | *102.000 | 97.511 | 4.4 | 105 | 0.05 |
| 5 | propene | *143.000 | 132.404 | 7.4 | 107 | 0.02 |
| 6 | propane | *150.000 | 142.252 | 5.2 | 108 | 0.01 |
| 7 | butane | *198.000 | 167.054 | 15.6 | 100 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943998.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 10:35 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-7,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:28:57 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.181 | 8139495 | 58.165 ug/L |
| 2) ethene | 4.210 | 13360451 | 93.720 ug/L |
| 3) acetylene | 4.928 | 2989113 | 100.538 ug/L |
| 4) ethane | 5.085 | 15349344 | 97.511 ug/L |
| 5) propene | 7.884 | 16795273 | 132.404 ug/L |
| 6) propane | 8.028 | 21212766 | 142.252 ug/L |
| 7) butane | 9.817 | 24279890 | 167.054 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

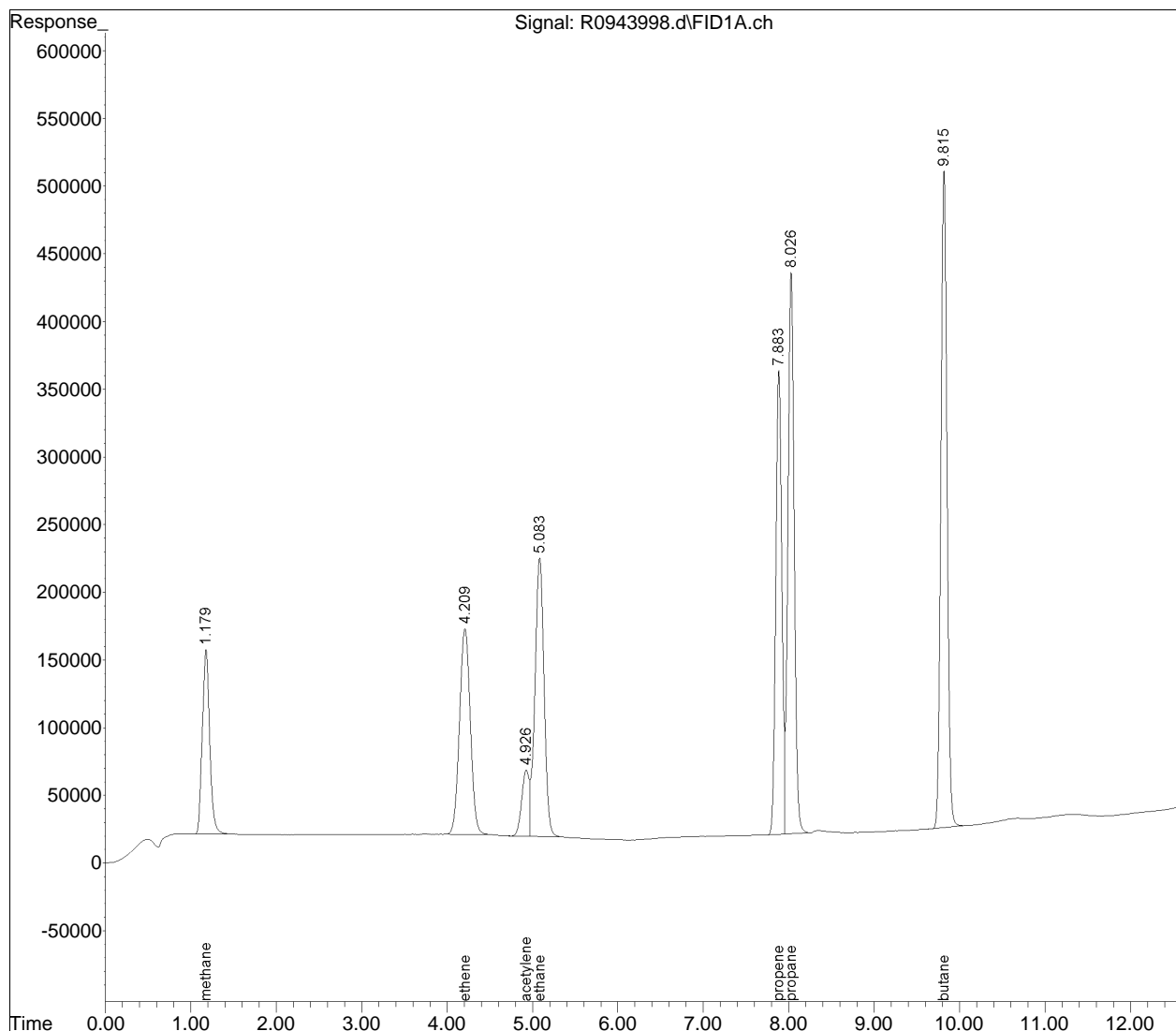
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943998.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 10:35 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-7,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:28:57 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943998.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 10:35 pm Instrument : Airlab9
Sample : WG1694803-7,4,0.5,0.5 Quant Date : 10/3/2022 2:28 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943980.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 1:50 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-1,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:16:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7950406 | 56.814 ug/L |
| 2) ethene | 4.211 | 13395390 | 93.965 ug/L |
| 3) acetylene | 4.928 | 2620180 | 88.129 ug/L |
| 4) ethane | 5.086 | 15511119 | 98.539 ug/L |
| 5) propene | 7.884 | 18169224 | 143.236 ug/L |
| 6) propane | 8.028 | 22637656 | 151.807 ug/L |
| 7) butane | 9.816 | 29626760 | 203.843 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

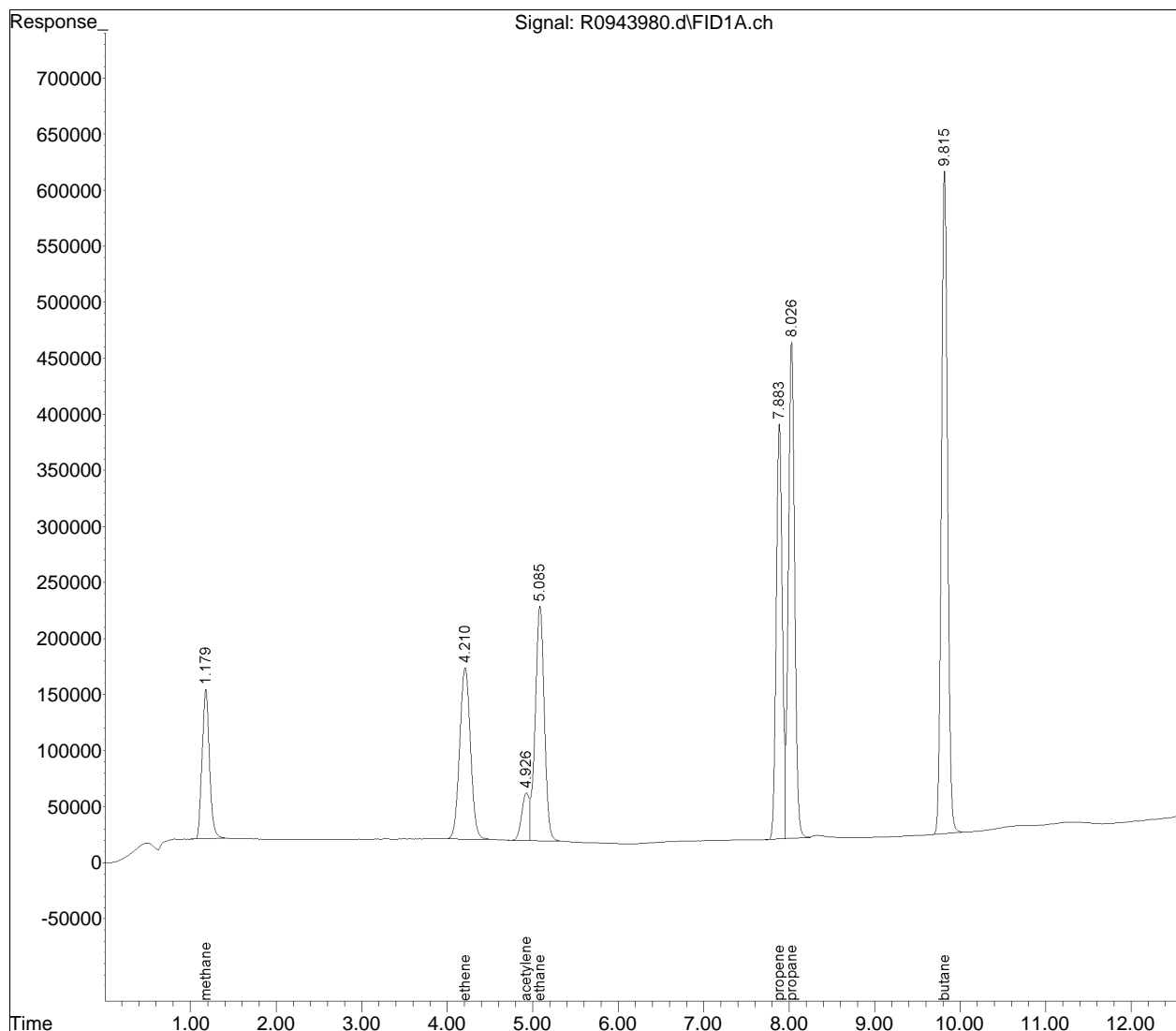
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943980.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 1:50 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-1,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:16:56 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943980.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 1:50 pm Instrument : Airlab9
Sample : WG1694803-1,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944033.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-1,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 09:45:04 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 57.154 | -4.7 | 103 | 0.00 |
| 2 | ethene | * 95.500 | 94.326 | 1.2 | 107 | 0.07 |
| 3 | acetylene | * 88.700 | 88.155 | 0.6 | 103 | 0.06 |
| 4 | ethane | *102.000 | 98.808 | 3.1 | 106 | 0.05 |
| 5 | propene | *143.000 | 143.341 | -0.2 | 116 | 0.02 |
| 6 | propane | *150.000 | 152.297 | -1.5 | 115 | 0.02 |
| 7 | butane | *198.000 | 204.124 | -3.1 | 122 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944033.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-1,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 09:45:04 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7997997 | 57.154 ug/L |
| 2) ethene | 4.212 | 13446815 | 94.326 ug/L |
| 3) acetylene | 4.927 | 2620954 | 88.155 ug/L |
| 4) ethane | 5.086 | 15553419 | 98.808 ug/L |
| 5) propene | 7.886 | 18182585 | 143.341 ug/L |
| 6) propane | 8.028 | 22710676 | 152.297 ug/L |
| 7) butane | 9.818 | 29667602 | 204.124 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

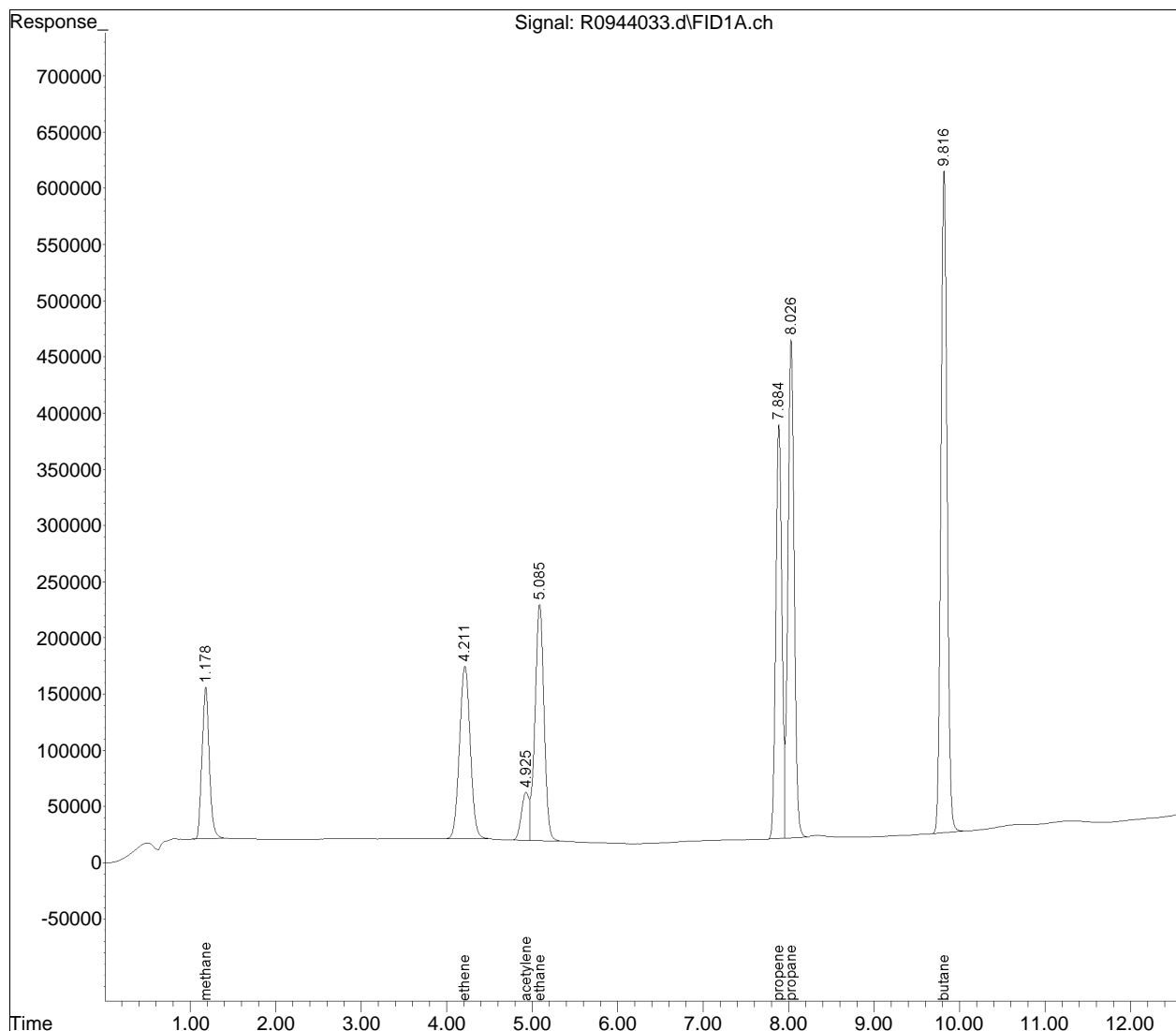
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944033.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 9:27 am
Operator : AIRLAB9:BJB
Sample : WG1695311-1,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 09:45:04 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944033.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:27 am Instrument : Airlab9
Sample : WG1695311-1,4,0.5,0.5 Quant Date : 10/4/2022 9:44 am

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944043.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 12:43 pm
 Operator : AIRLAB9:BJB
 Sample : WG1695311-6,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 13:02:43 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 58.133 | -6.5 | 105 | 0.00 |
| 2 | ethene | * 95.500 | 94.049 | 1.5 | 107 | 0.06 |
| 3 | acetylene | * 88.700 | 83.154 | 6.3 | 97 | 0.06 |
| 4 | ethane | *102.000 | 99.106 | 2.8 | 106 | 0.05 |
| 5 | propene | *143.000 | 137.580 | 3.8 | 111 | 0.02 |
| 6 | propane | *150.000 | 148.719 | 0.9 | 112 | 0.02 |
| 7 | butane | *198.000 | 190.740 | 3.7 | 114 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944043.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 12:43 pm
 Operator : AIRLAB9:BJB
 Sample : WG1695311-6,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 13:02:43 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 8134962 | 58.133 ug/L |
| 2) ethene | 4.210 | 13407308 | 94.049 ug/L |
| 3) acetylene | 4.926 | 2472265 | 83.154 ug/L |
| 4) ethane | 5.085 | 15600292 | 99.106 ug/L |
| 5) propene | 7.886 | 17451858 | 137.580 ug/L |
| 6) propane | 8.029 | 22177149 | 148.719 ug/L |
| 7) butane | 9.817 | 27722359 | 190.740 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

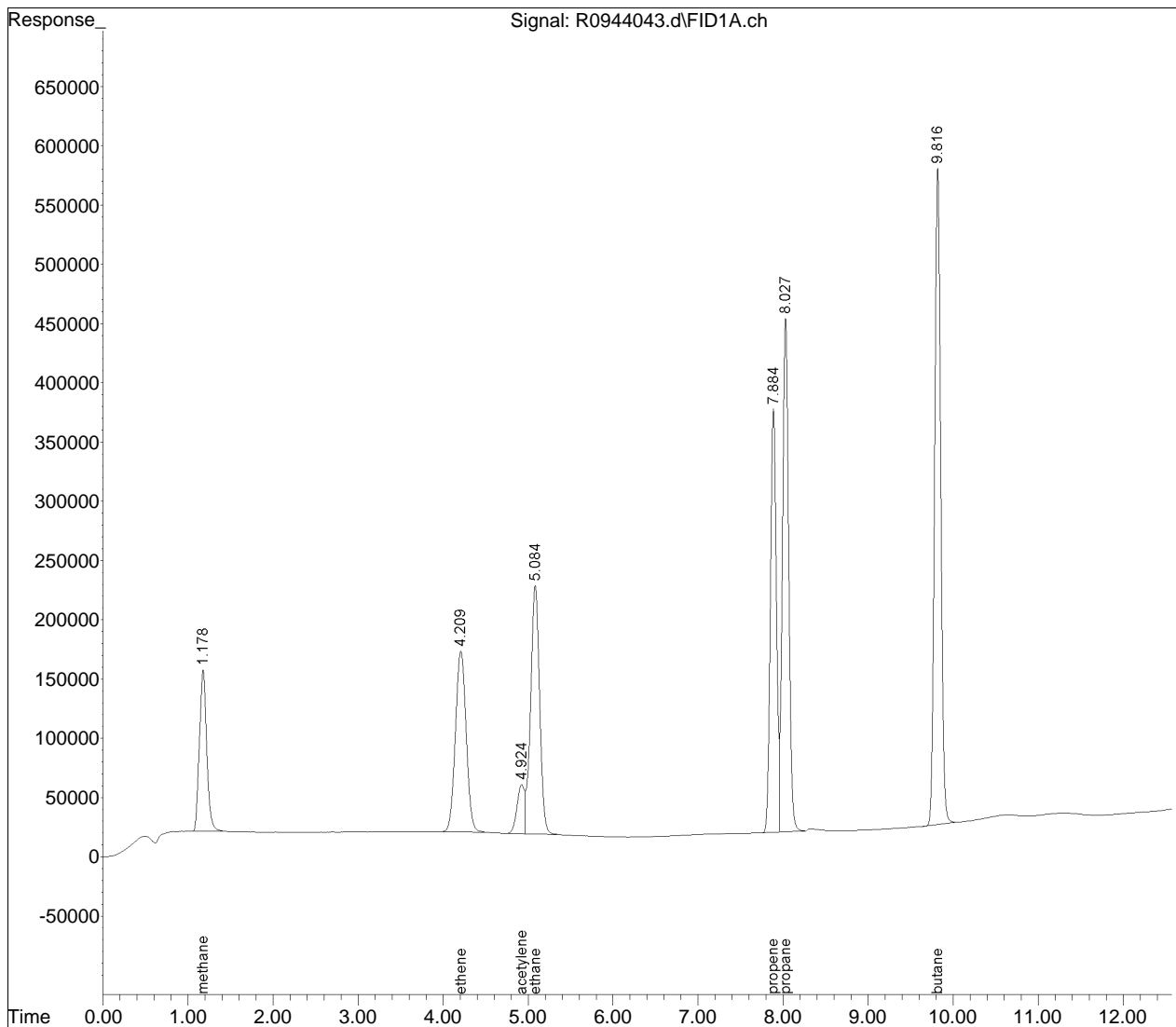
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944043.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 12:43 pm
Operator : AIRLAB9:BJB
Sample : WG1695311-6,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 13:02:43 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944043.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 12:43 pm Instrument : Airlab9
Sample : WG1695311-6,4,0.5,0.5 Quant Date : 10/4/2022 1:02 pm

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944033.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-1,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 09:45:04 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7997997 | 57.154 ug/L |
| 2) ethene | 4.212 | 13446815 | 94.326 ug/L |
| 3) acetylene | 4.927 | 2620954 | 88.155 ug/L |
| 4) ethane | 5.086 | 15553419 | 98.808 ug/L |
| 5) propene | 7.886 | 18182585 | 143.341 ug/L |
| 6) propane | 8.028 | 22710676 | 152.297 ug/L |
| 7) butane | 9.818 | 29667602 | 204.124 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

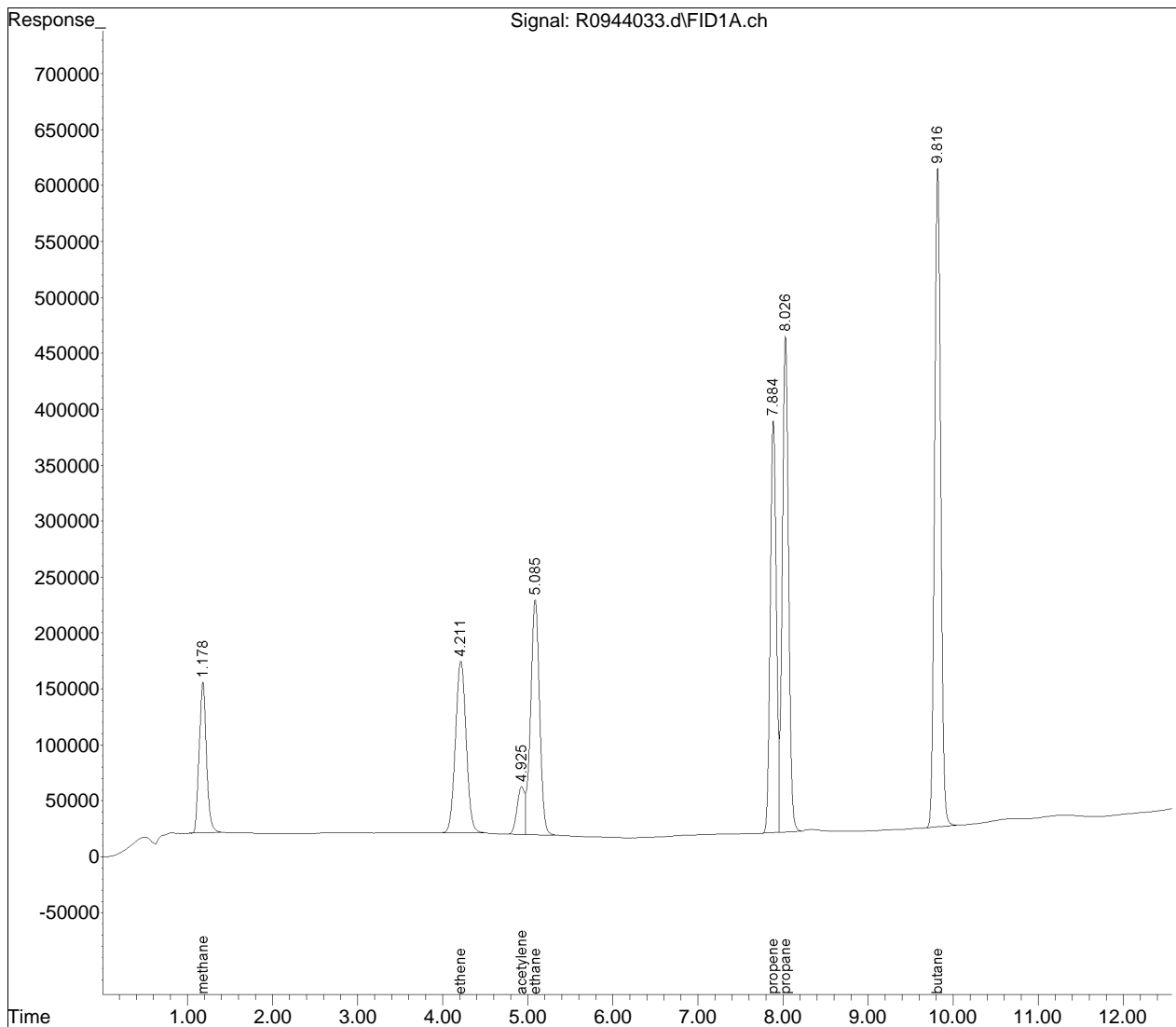
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944033.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 9:27 am
Operator : AIRLAB9:BJB
Sample : WG1695311-1,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 09:45:04 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944033.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:27 am Instrument : Airlab9
Sample : WG1695311-1,4,0.5,0.5 Quant Date : 10/4/2022 9:44 am

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

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943981.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 2:13 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-3,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:18:58 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|---------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.187 | 167391 | 1.196 ug/L M2 |
| 2) ethene | 4.111 | 17514 | 0.123 ug/L M2 |
| 3) acetylene | 0.000 | 0 | N.D. ug/L |
| 4) ethane | 0.000 | 0 | N.D. ug/L |
| 5) propene | 7.850 | 98465 | 0.776 ug/L M2 |
| 6) propane | 7.972 | 143623 | 0.963 ug/L M2 |
| 7) butane | 9.813 | 124961 | 0.860 ug/L M2 |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

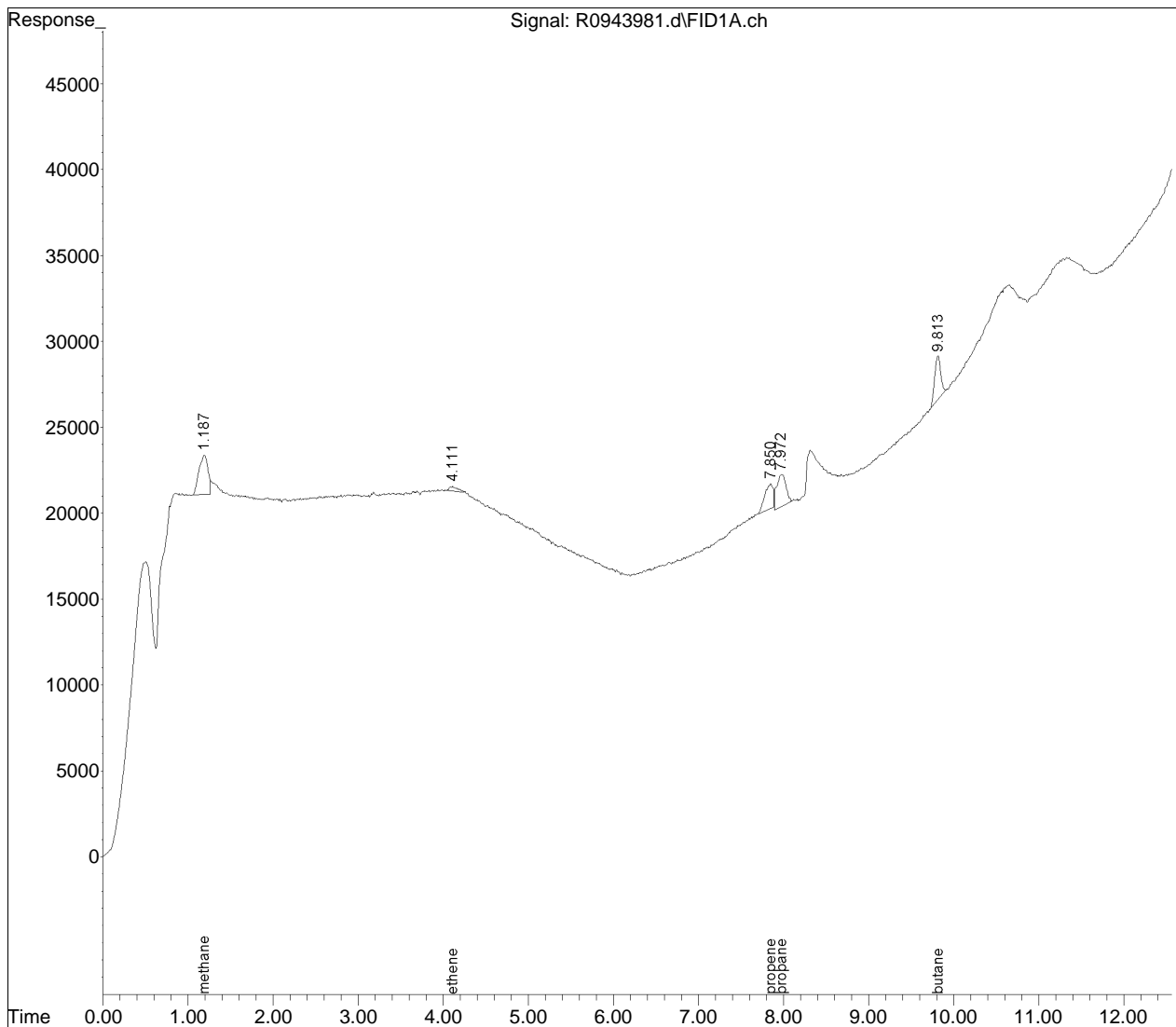
Quantitation Report (QT Reviewed)

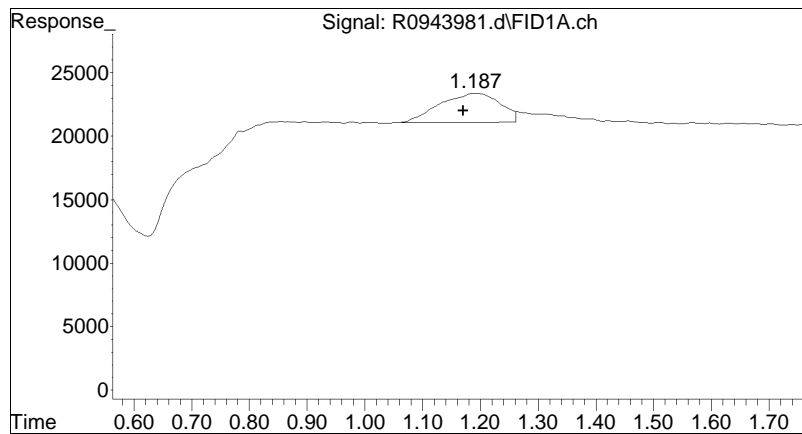
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943981.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 2:13 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-3,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:18:58 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

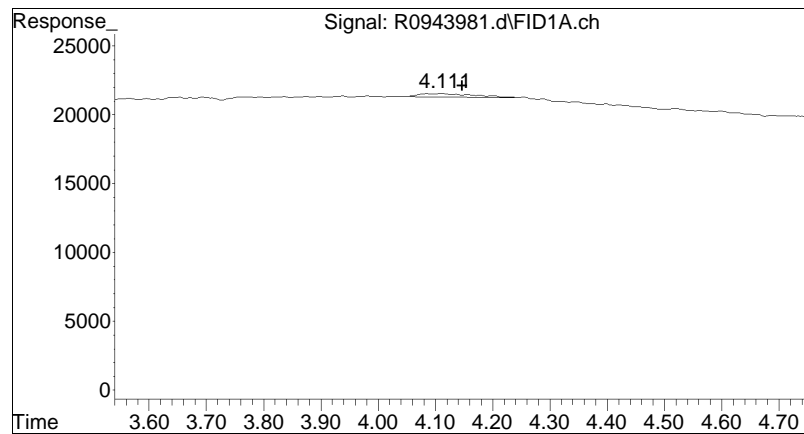
Sub List : Default - All compounds listed



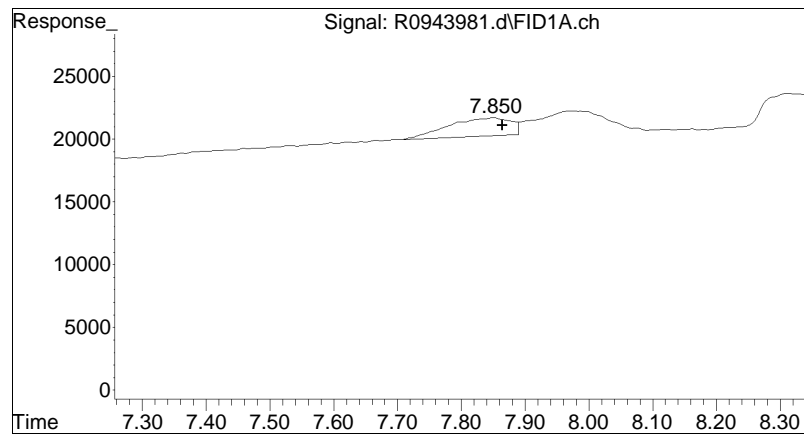


#1 methane

R.T.: 1.187 min
Delta R.T.: 0.017 min
Response: 167391
Conc: 1.20 ug/L M2

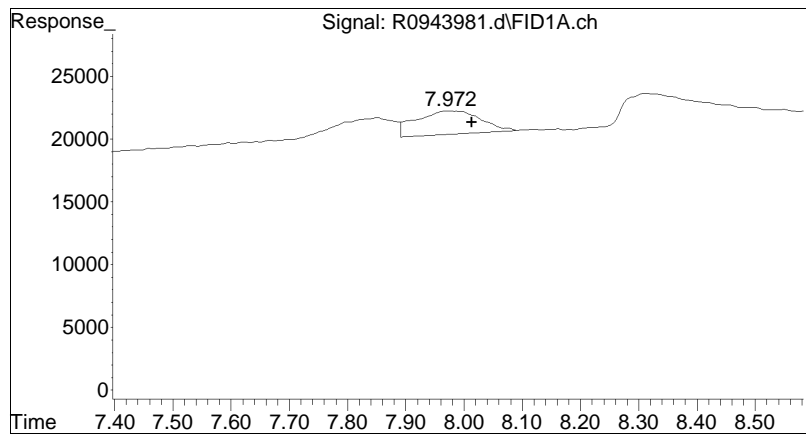


#2 ethene
R.T.: 4.111 min
Delta R.T.: -0.035 min
Response: 17514
Conc: 0.12 ug/L M2



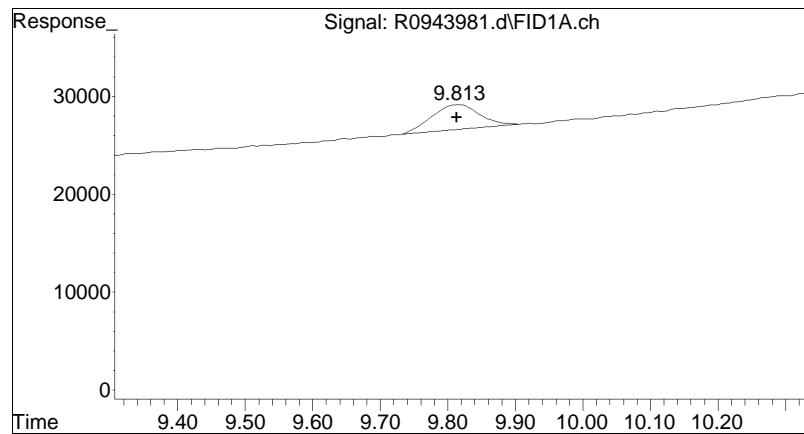
#5 propene

R.T.: 7.850 min
Delta R.T.: -0.014 min
Response: 98465
Conc: 0.78 ug/L M2



#6 propane

R.T.: 7.972 min
Delta R.T.: -0.040 min
Response: 143623
Conc: 0.96 ug/L M2



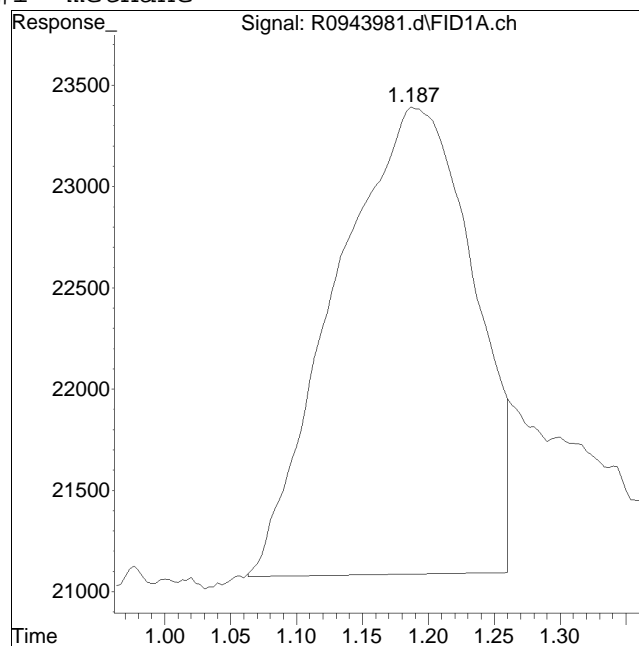
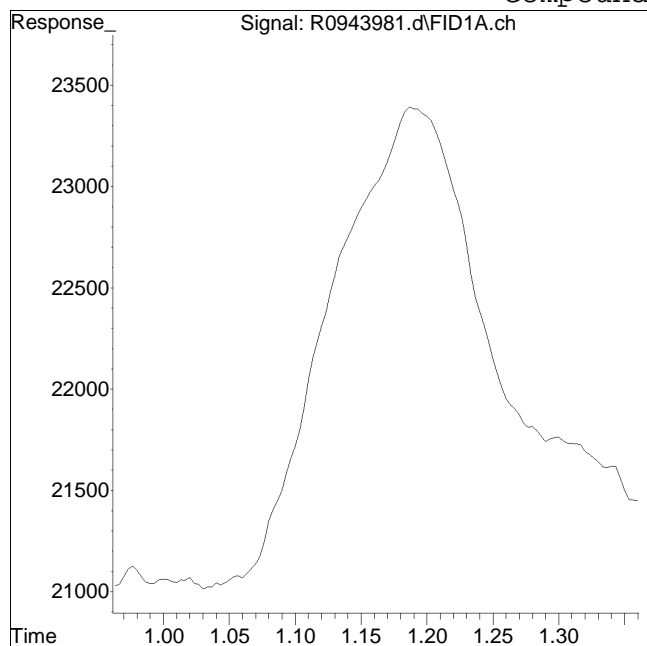
#7 butane

R.T.: 9.813 min
Delta R.T.: 0.000 min
Response: 124961
Conc: 0.86 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943981.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 2:13 pm Instrument : Airlab9
Sample : WG1694803-3,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #1: methane



Original Peak Response = 0

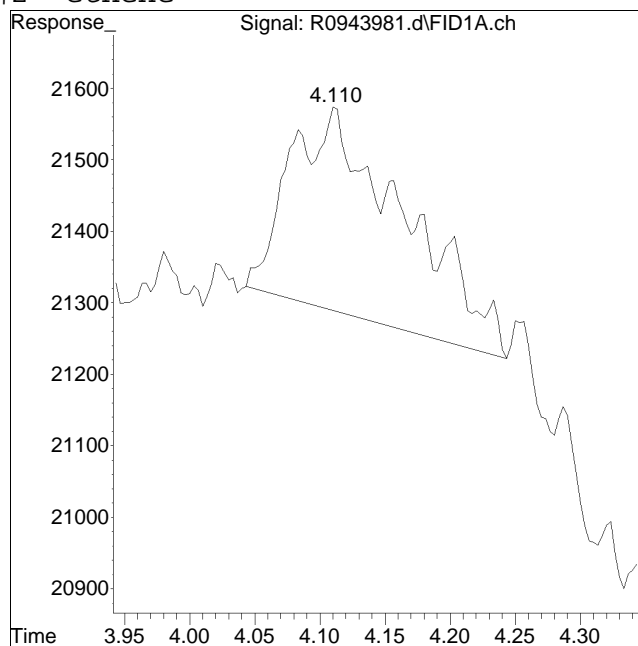
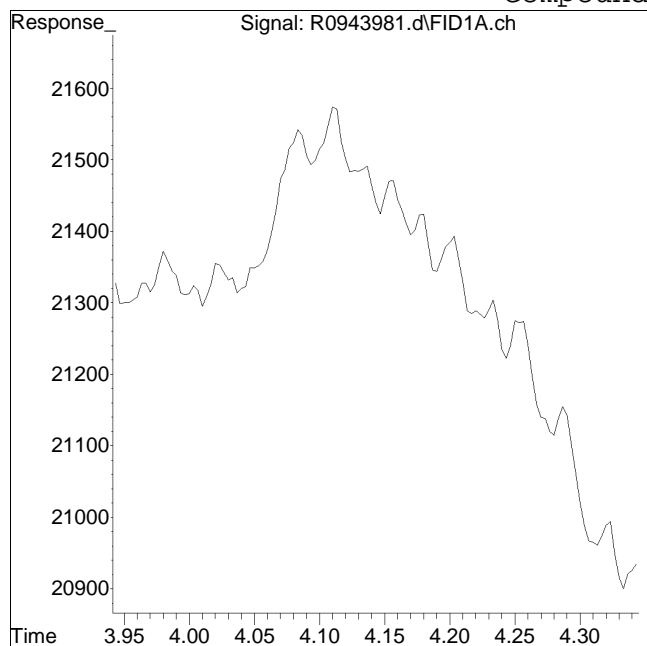
Manual Peak Response = 167391 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943981.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 2:13 pm Instrument : Airlab9
Sample : WG1694803-3,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #2: ethene



Original Peak Response = 0

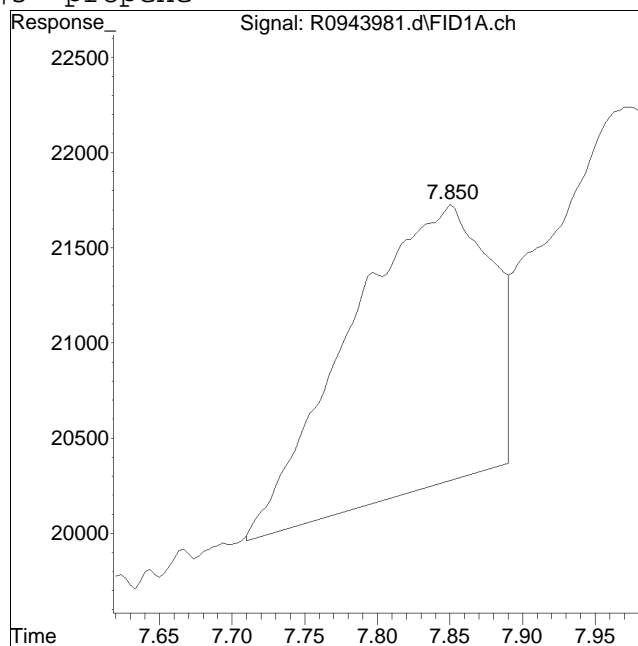
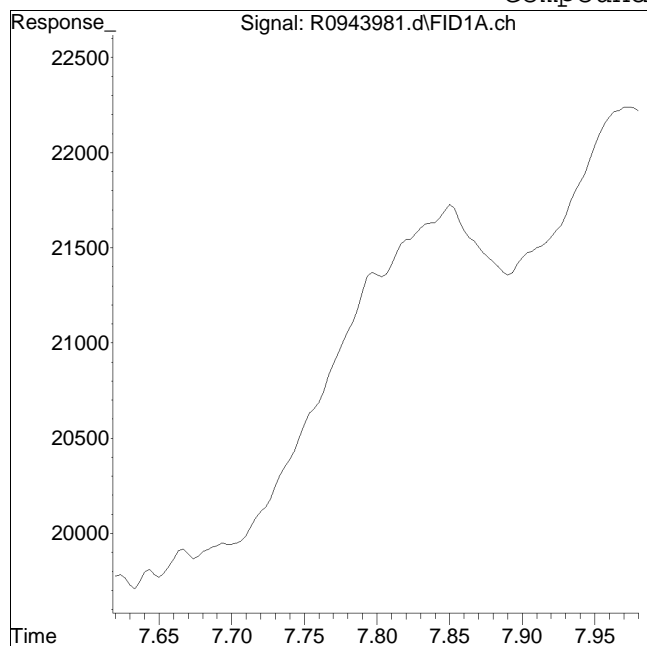
Manual Peak Response = 17514 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943981.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 2:13 pm Instrument : Airlab9
Sample : WG1694803-3,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #5: propene



Original Peak Response = 0

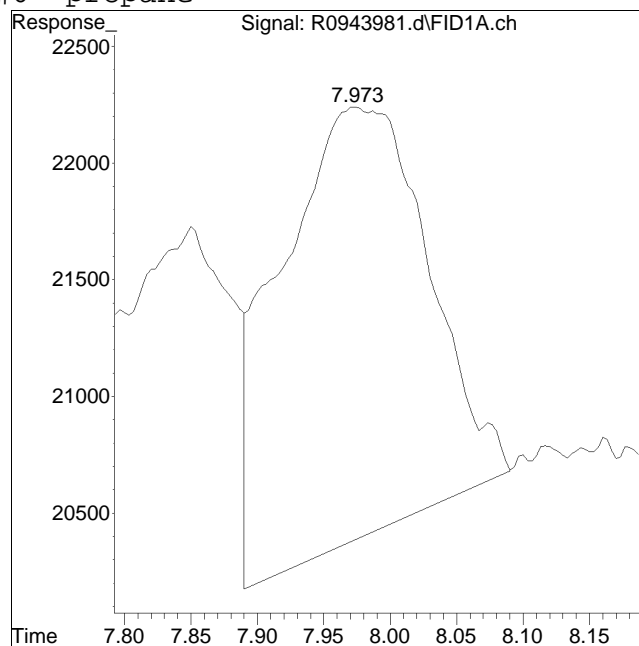
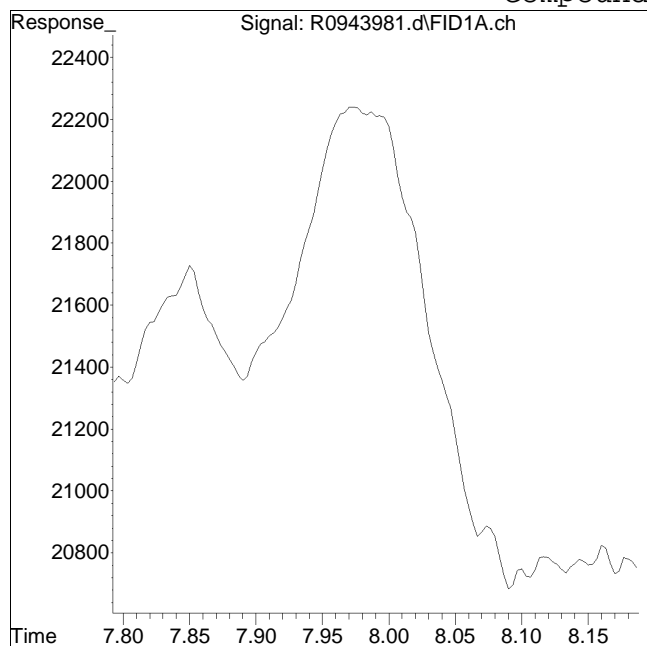
Manual Peak Response = 98465 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943981.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 2:13 pm Instrument : Airlab9
Sample : WG1694803-3,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #6: propane



Original Peak Response = 0

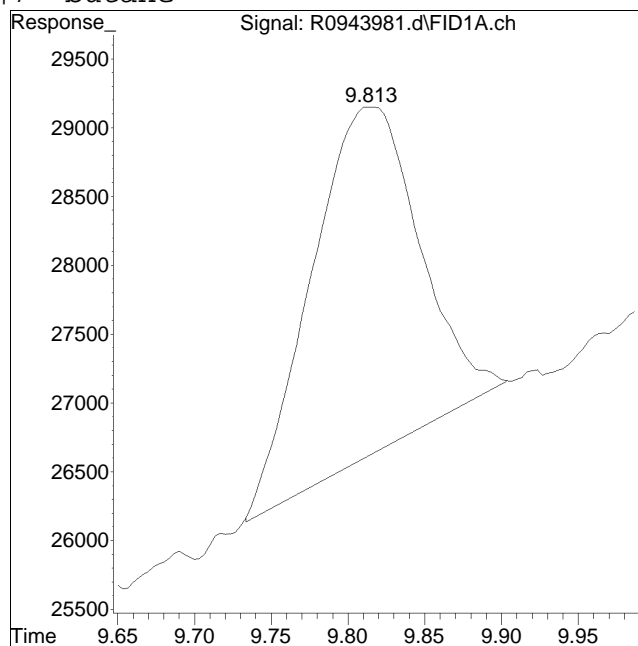
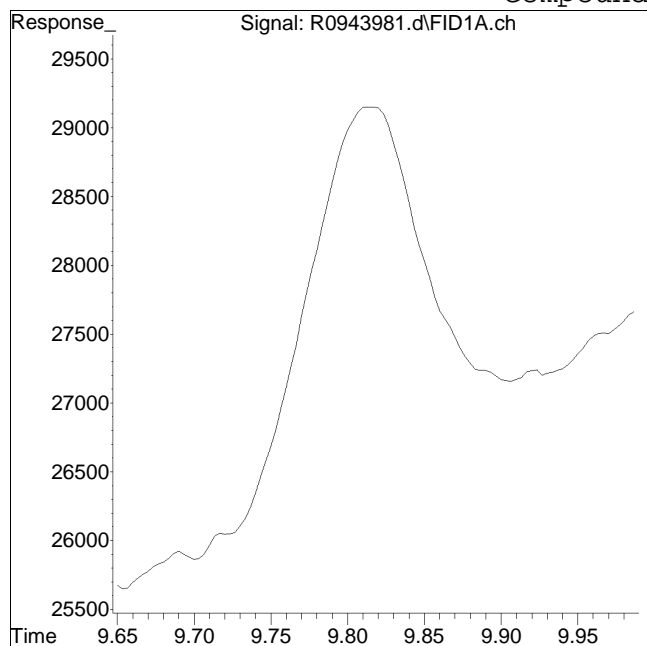
Manual Peak Response = 143623 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943981.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 2:13 pm Instrument : Airlab9
Sample : WG1694803-3,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #7: butane



Original Peak Response = 0

Manual Peak Response = 124961 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944034.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:50 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-3,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 10:08:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|---------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.196 | 127024 | 0.908 ug/L M2 |
| 2) ethene | 4.131 | 29716 | 0.208 ug/L M2 |
| 3) acetylene | 0.000 | 0 | N.D. ug/L |
| 4) ethane | 0.000 | 0 | N.D. ug/L |
| 5) propene | 7.840 | 105656 | 0.833 ug/L M2 |
| 6) propane | 7.978 | 135185 | 0.907 ug/L M2 |
| 7) butane | 9.813 | 113054 | 0.778 ug/L M2 |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

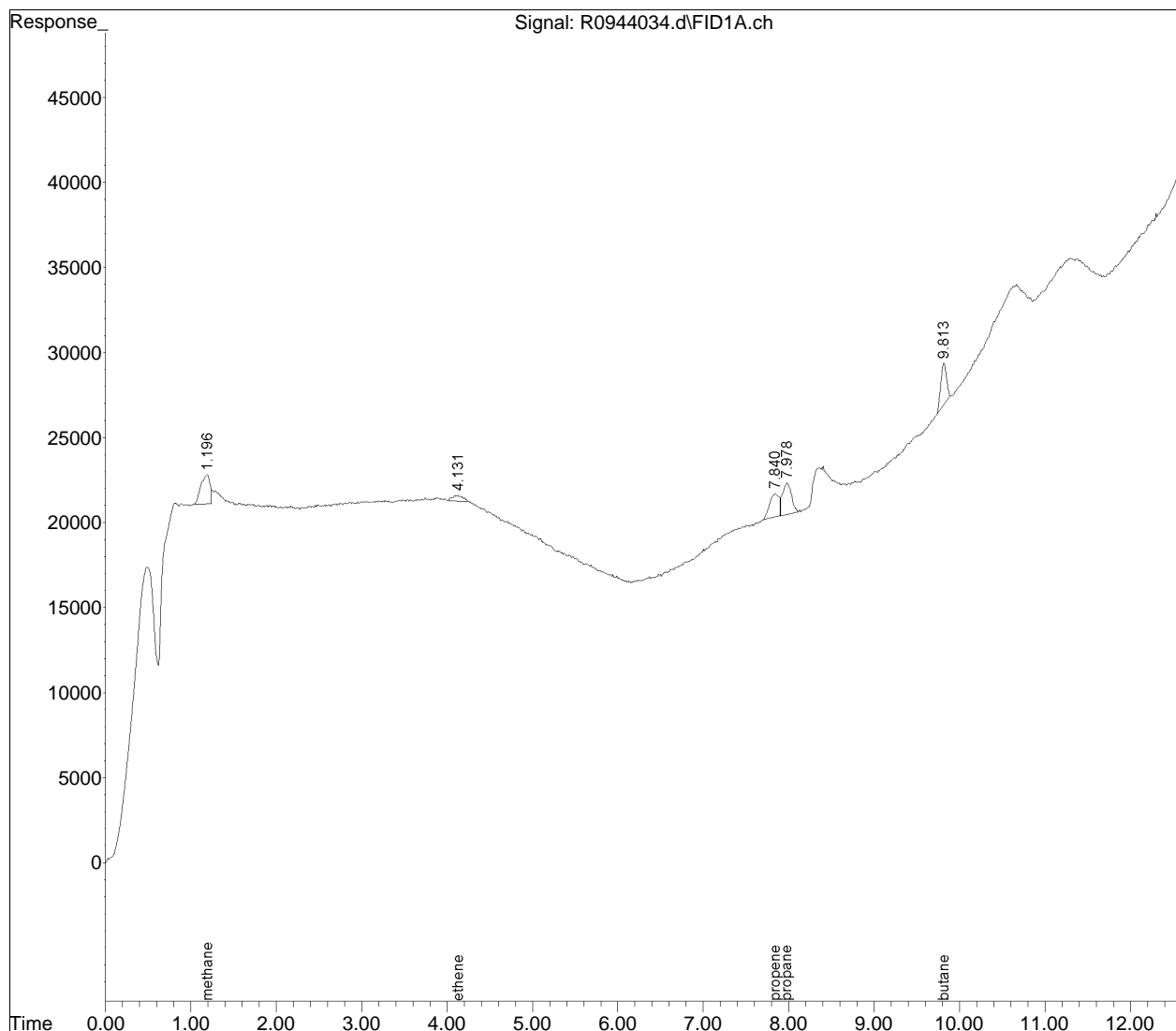
Quantitation Report (QT Reviewed)

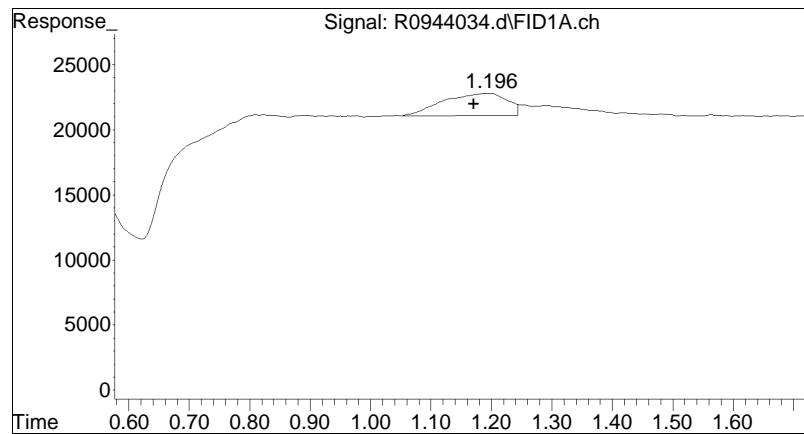
Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944034.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 9:50 am
Operator : AIRLAB9:BJB
Sample : WG1695311-3,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 10:08:56 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

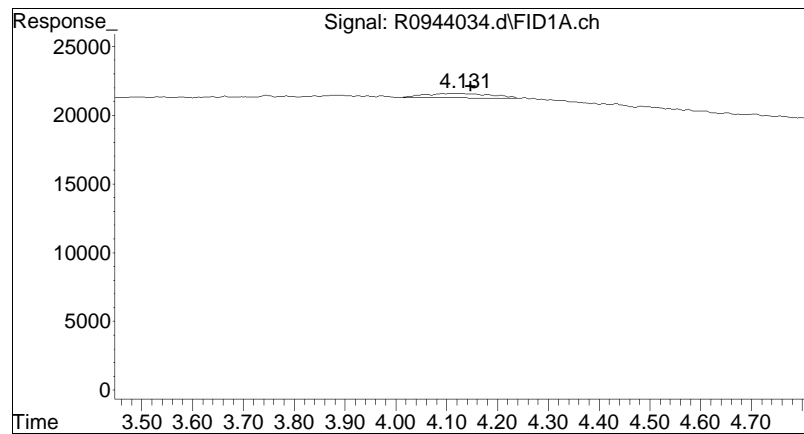
Sub List : Default - All compounds listed



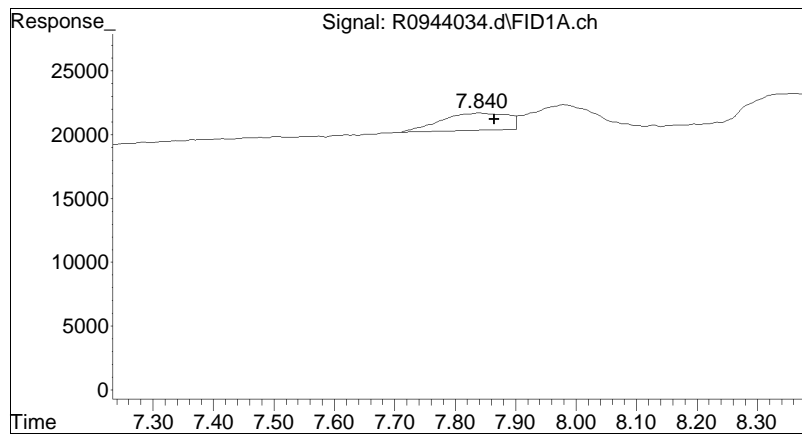


#1 methane

R.T.: 1.196 min
Delta R.T.: 0.026 min
Response: 127024
Conc: 0.91 ug/L M2

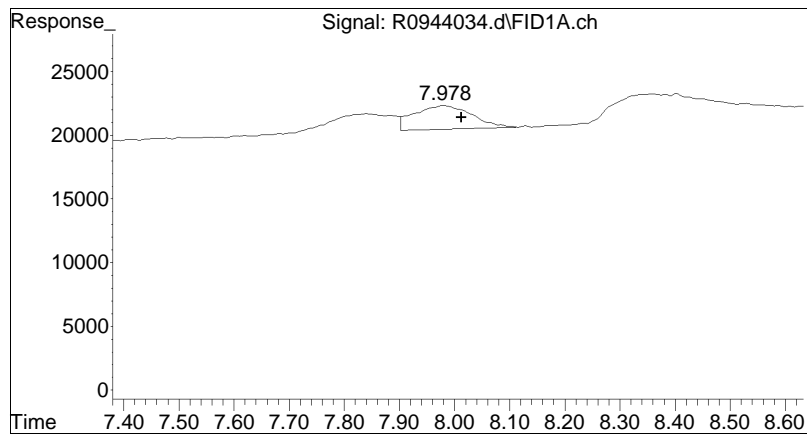


#2 ethene
R.T.: 4.131 min
Delta R.T.: -0.016 min
Response: 29716
Conc: 0.21 ug/L M2



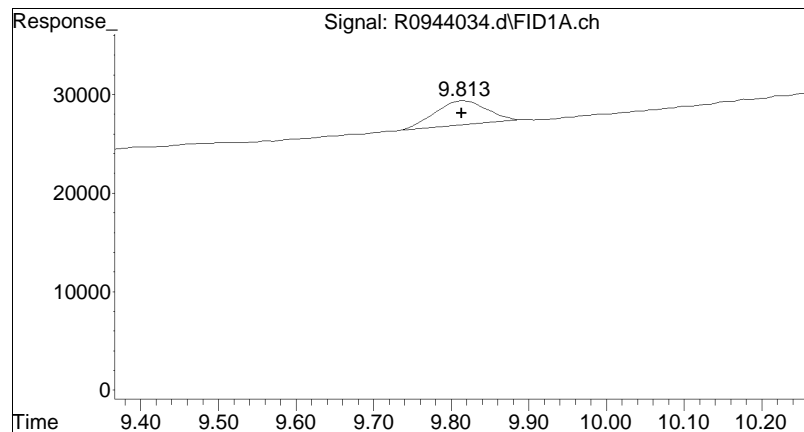
#5 propene

R.T.: 7.840 min
Delta R.T.: -0.024 min
Response: 105656
Conc: 0.83 ug/L M2



#6 propane

R.T.: 7.978 min
Delta R.T.: -0.034 min
Response: 135185
Conc: 0.91 ug/L M2



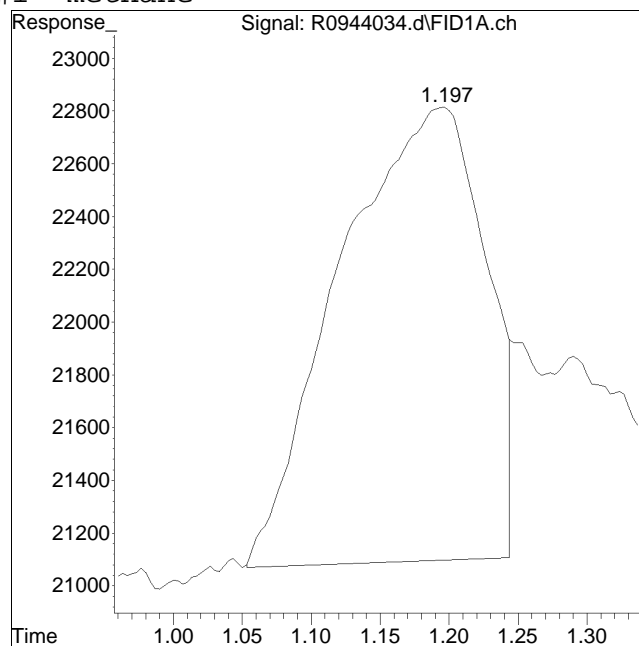
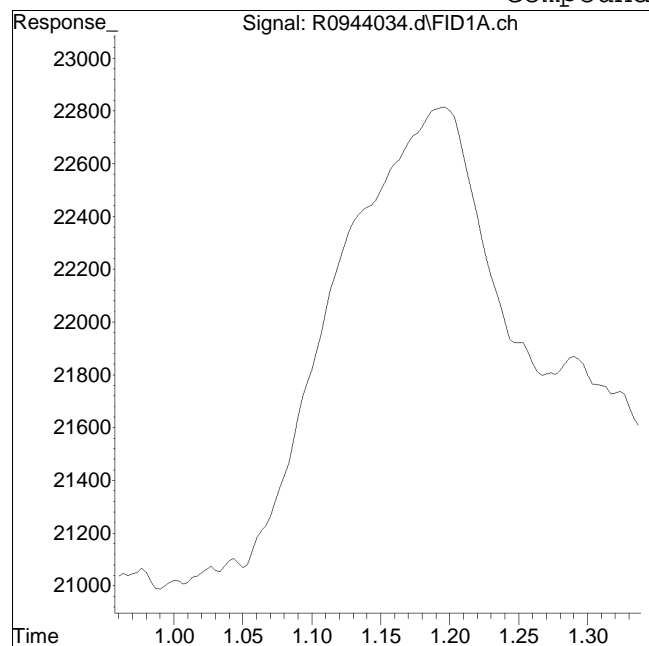
#7 butane

R.T.: 9.813 min
Delta R.T.: 0.000 min
Response: 113054
Conc: 0.78 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944034.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:50 am Instrument : Airlab9
Sample : WG1695311-3,4,0.5,0.5 Quant Date : 10/4/2022 10:07 am

Compound #1: methane



Original Peak Response = 0

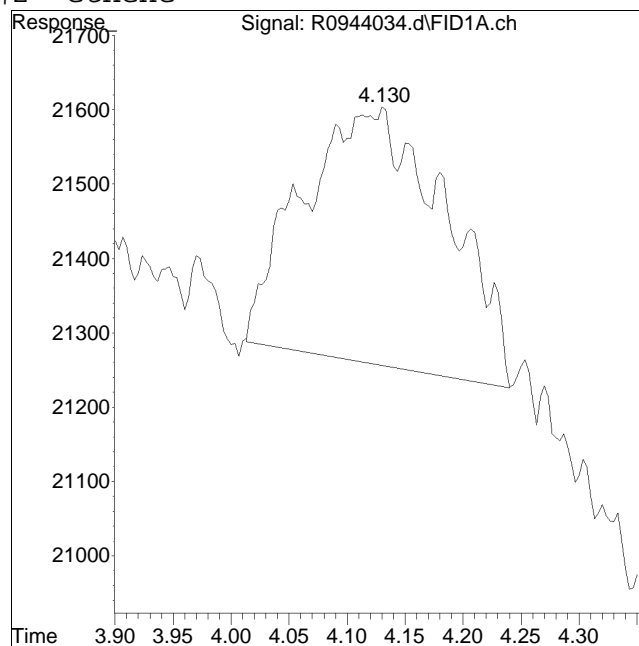
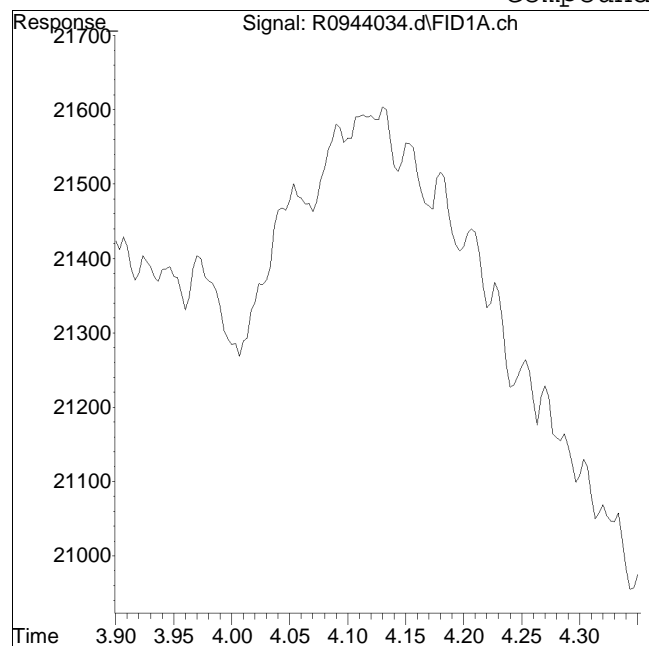
Manual Peak Response = 127024 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944034.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:50 am Instrument : Airlab9
Sample : WG1695311-3,4,0.5,0.5 Quant Date : 10/4/2022 10:07 am

Compound #2: ethene



Original Peak Response = 0

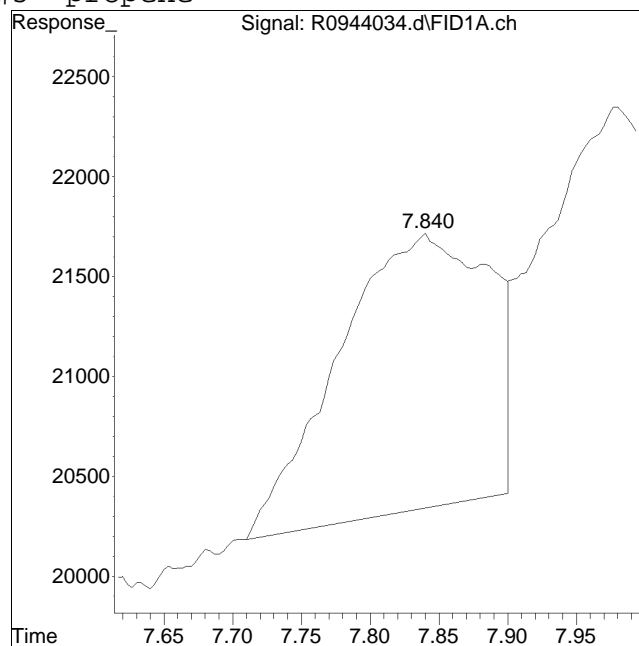
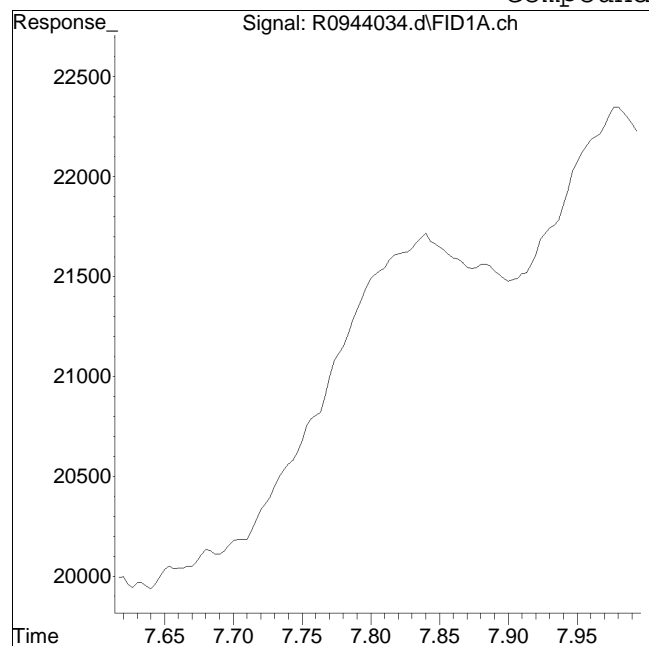
Manual Peak Response = 29716 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944034.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:50 am Instrument : Airlab9
Sample : WG1695311-3,4,0.5,0.5 Quant Date : 10/4/2022 10:07 am

Compound #5: propene



Original Peak Response = 0

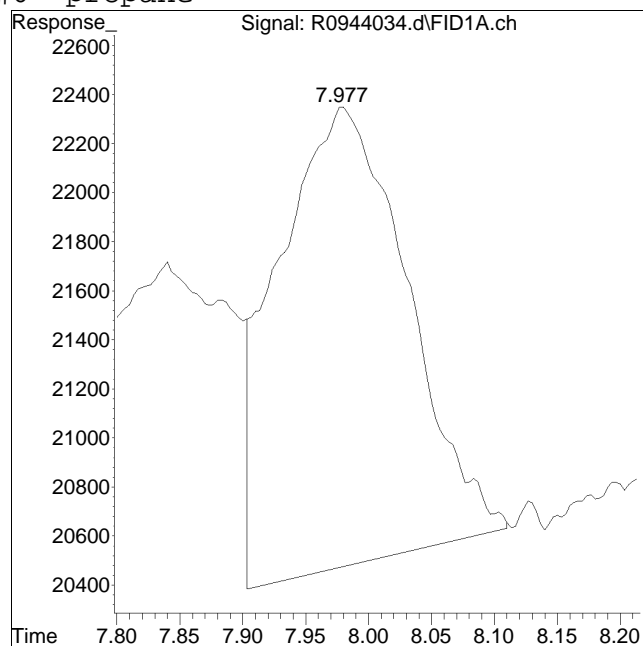
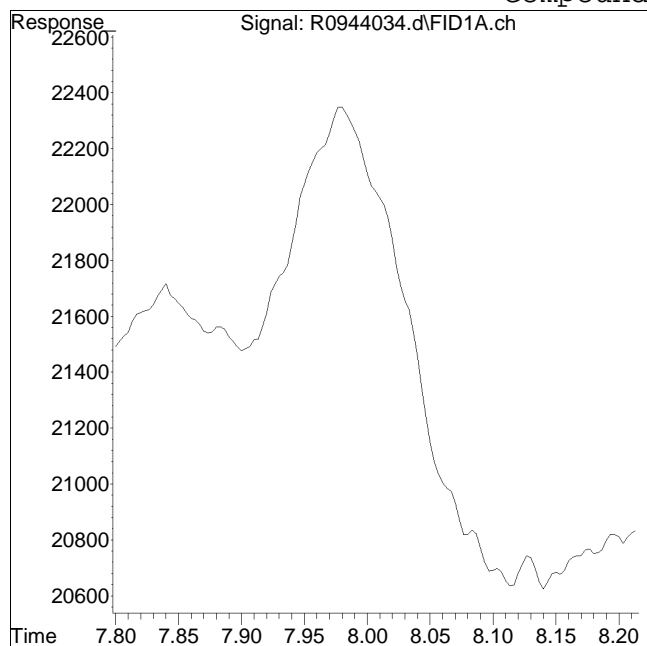
Manual Peak Response = 105656 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944034.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:50 am Instrument : Airlab9
Sample : WG1695311-3,4,0.5,0.5 Quant Date : 10/4/2022 10:07 am

Compound #6: propane



Original Peak Response = 0

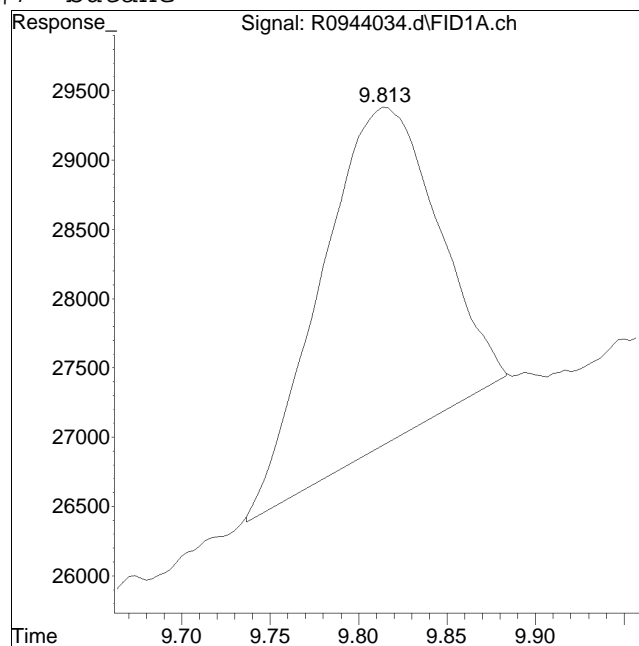
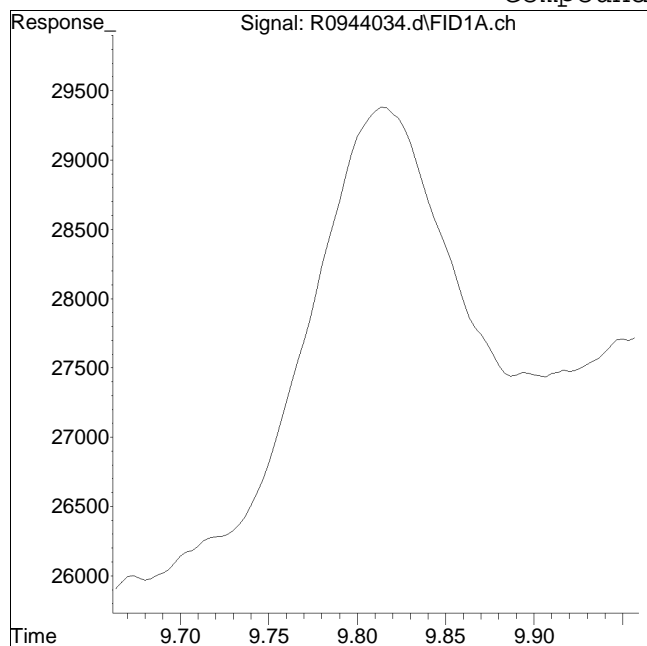
Manual Peak Response = 135185 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944034.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:50 am Instrument : Airlab9
Sample : WG1695311-3,4,0.5,0.5 Quant Date : 10/4/2022 10:07 am

Compound #7: butane



Original Peak Response = 0

Manual Peak Response = 113054 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943980.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 1:50 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-2,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:16:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(Min) |
|---|-----------|---------|---------|------|-------|----------|
| 1 | methane | 54.600 | 56.814 | -4.1 | 102 | 0.01 |
| 2 | ethene | 95.500 | 93.965 | 1.6 | 107 | 0.06 |
| 3 | acetylene | 88.700 | 88.129 | 0.6 | 103 | 0.06 |
| 4 | ethane | 102.000 | 98.539 | 3.4 | 106 | 0.05 |
| 5 | propene | 143.000 | 143.236 | -0.2 | 116 | 0.02 |
| 6 | propane | 150.000 | 151.807 | -1.2 | 115 | 0.01 |
| 7 | butane | 198.000 | 203.843 | -3.0 | 122 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943980.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 1:50 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-2,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:16:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7950406 | 56.814 ug/L |
| 2) ethene | 4.211 | 13395390 | 93.965 ug/L |
| 3) acetylene | 4.928 | 2620180 | 88.129 ug/L |
| 4) ethane | 5.086 | 15511119 | 98.539 ug/L |
| 5) propene | 7.884 | 18169224 | 143.236 ug/L |
| 6) propane | 8.028 | 22637656 | 151.807 ug/L |
| 7) butane | 9.816 | 29626760 | 203.843 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

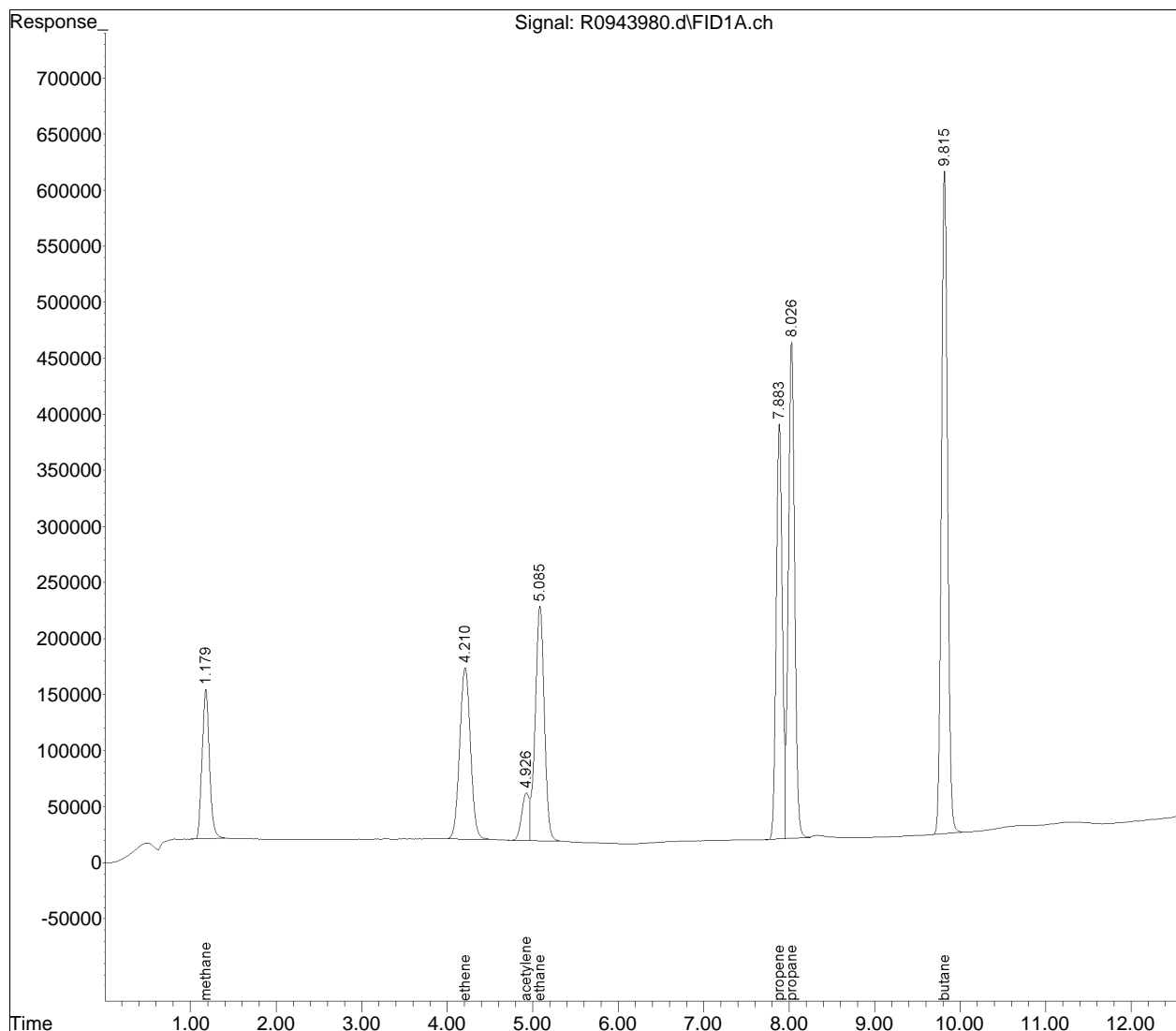
Quantitation Report (QT Reviewed)

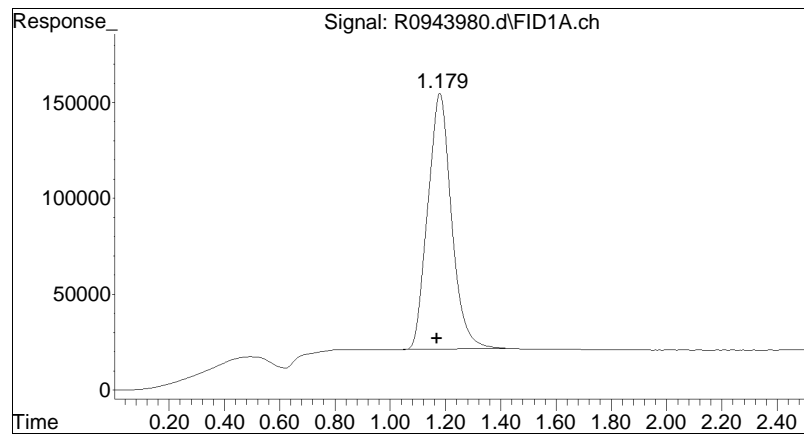
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943980.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 1:50 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-2,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:16:56 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

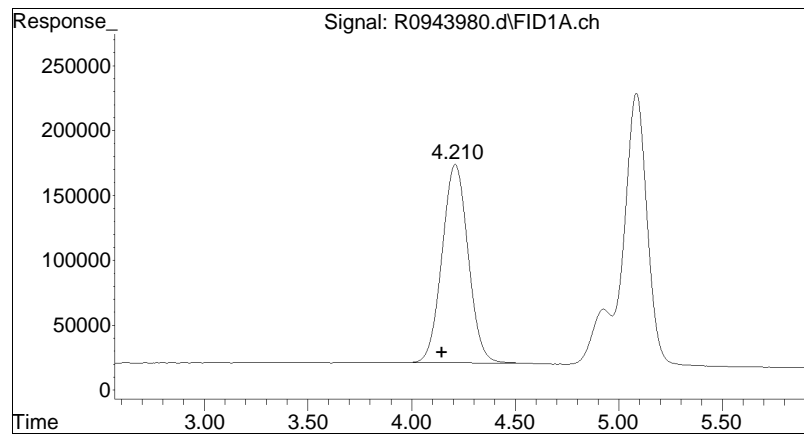
Sub List : Default - All compounds listed





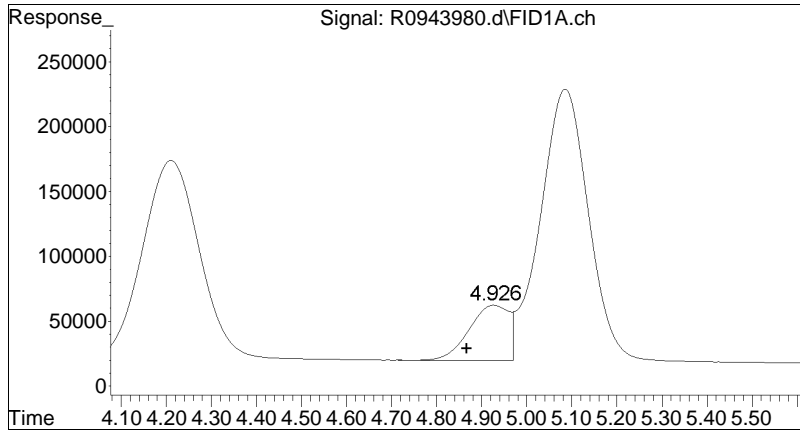
#1 methane

R.T.: 1.180 min
Delta R.T.: 0.010 min
Response: 7950406
Conc: 56.81 ug/L



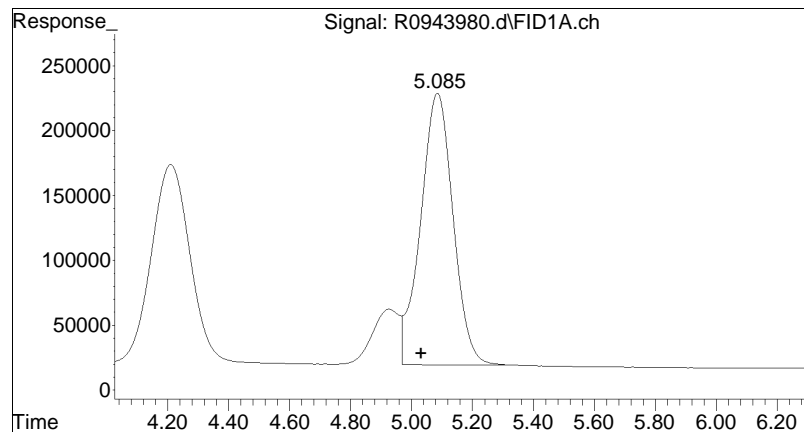
#2 ethene

R.T.: 4.211 min
Delta R.T.: 0.065 min
Response: 13395390
Conc: 93.97 ug/L



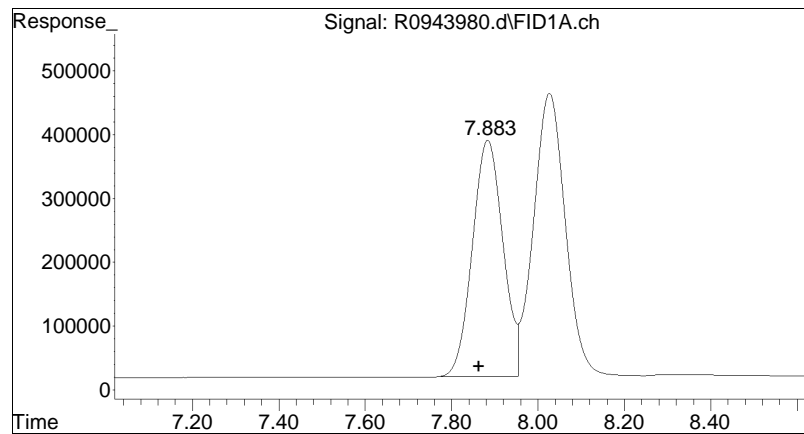
#3 acetylene

R.T.: 4.928 min
Delta R.T.: 0.061 min
Response: 2620180
Conc: 88.13 ug/L



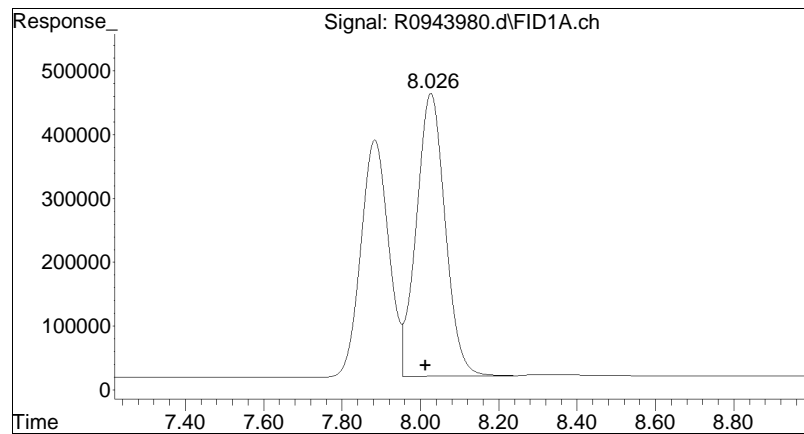
#4 ethane

R.T.: 5.086 min
Delta R.T.: 0.054 min
Response: 1551119
Conc: 98.54 ug/L



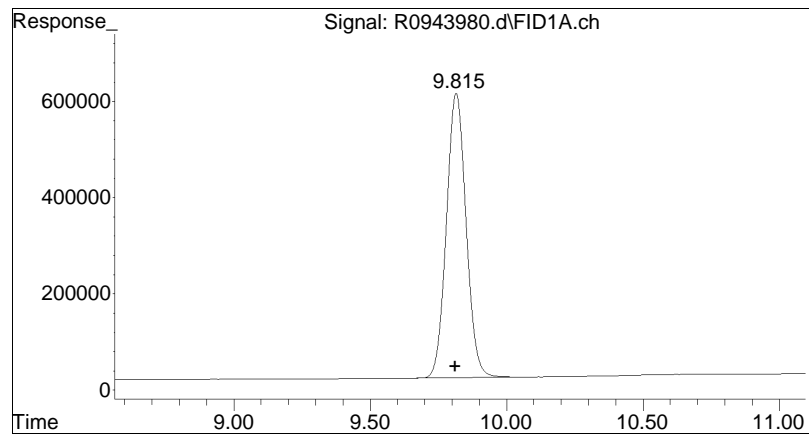
#5 propene

R.T.: 7.884 min
Delta R.T.: 0.020 min
Response: 18169224
Conc: 143.24 ug/L



#6 propane

R.T.: 8.028 min
Delta R.T.: 0.015 min
Response: 22637656
Conc: 151.81 ug/L



#7 butane

R.T.: 9.816 min
Delta R.T.: 0.003 min
Response: 29626760
Conc: 203.84 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943980.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 1:50 pm Instrument : Airlab9
Sample : WG1694803-2,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944033.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-2,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 09:45:04 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(Min) |
|---|-----------|---------|---------|------|-------|----------|
| 1 | methane | 54.600 | 57.154 | -4.7 | 103 | 0.00 |
| 2 | ethene | 95.500 | 94.326 | 1.2 | 107 | 0.07 |
| 3 | acetylene | 88.700 | 88.155 | 0.6 | 103 | 0.06 |
| 4 | ethane | 102.000 | 98.808 | 3.1 | 106 | 0.05 |
| 5 | propene | 143.000 | 143.341 | -0.2 | 116 | 0.02 |
| 6 | propane | 150.000 | 152.297 | -1.5 | 115 | 0.02 |
| 7 | butane | 198.000 | 204.124 | -3.1 | 122 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944033.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 9:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1695311-2,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 09:45:04 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7997997 | 57.154 ug/L |
| 2) ethene | 4.212 | 13446815 | 94.326 ug/L |
| 3) acetylene | 4.927 | 2620954 | 88.155 ug/L |
| 4) ethane | 5.086 | 15553419 | 98.808 ug/L |
| 5) propene | 7.886 | 18182585 | 143.341 ug/L |
| 6) propane | 8.028 | 22710676 | 152.297 ug/L |
| 7) butane | 9.818 | 29667602 | 204.124 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

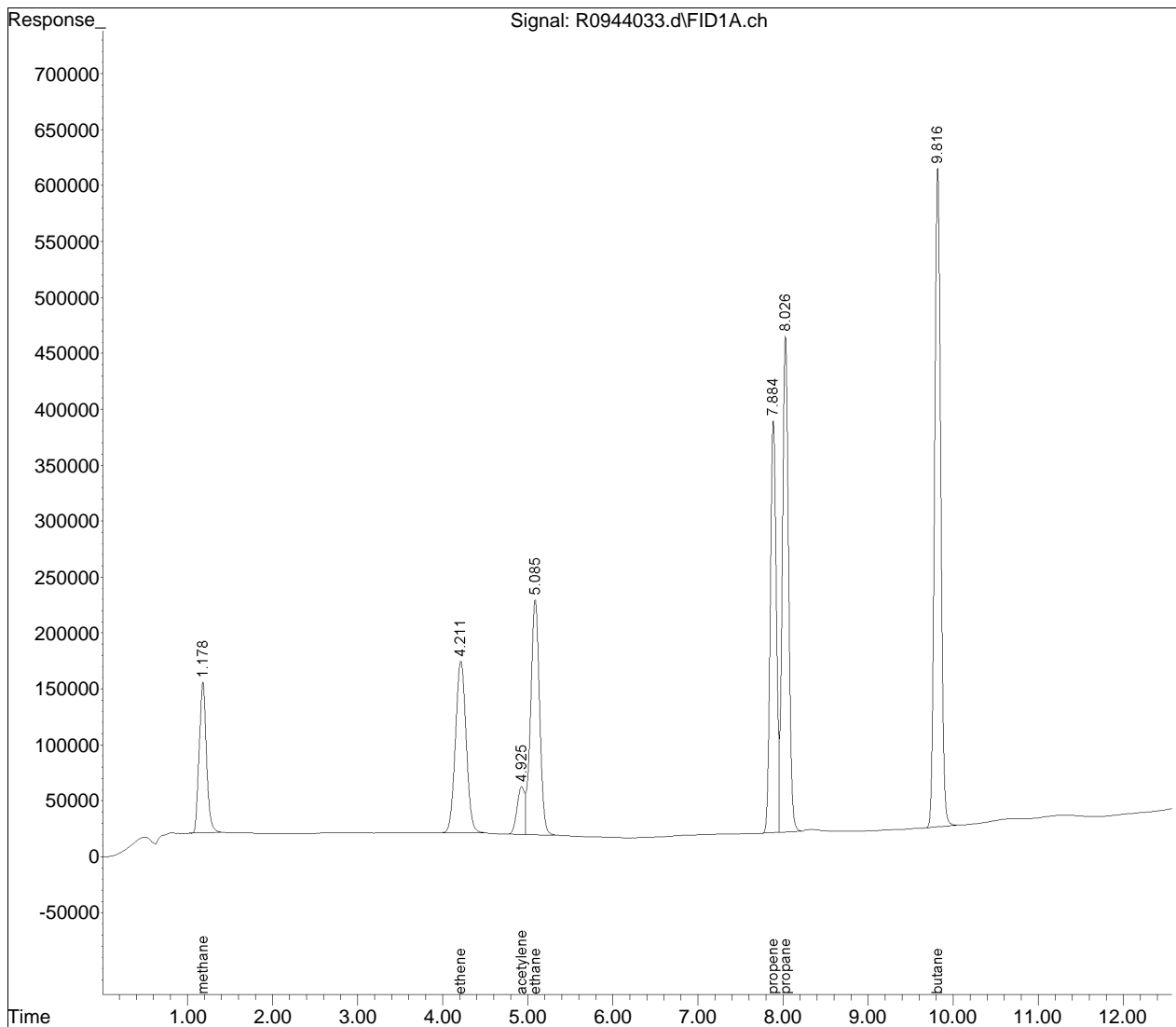
Quantitation Report (QT Reviewed)

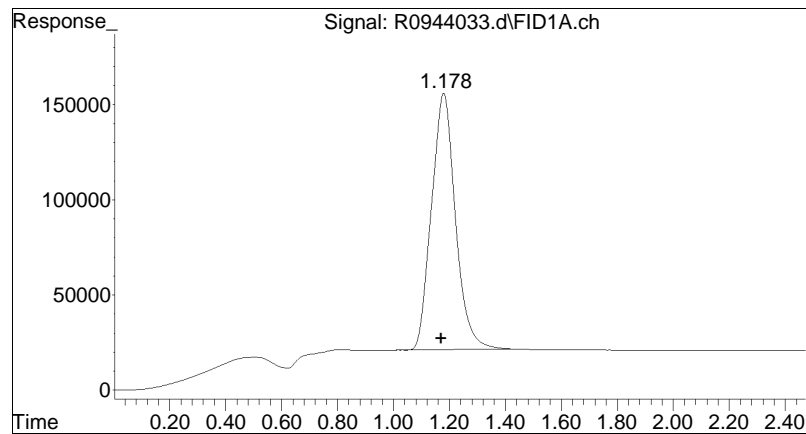
Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944033.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 9:27 am
Operator : AIRLAB9:BJB
Sample : WG1695311-2,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 09:45:04 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

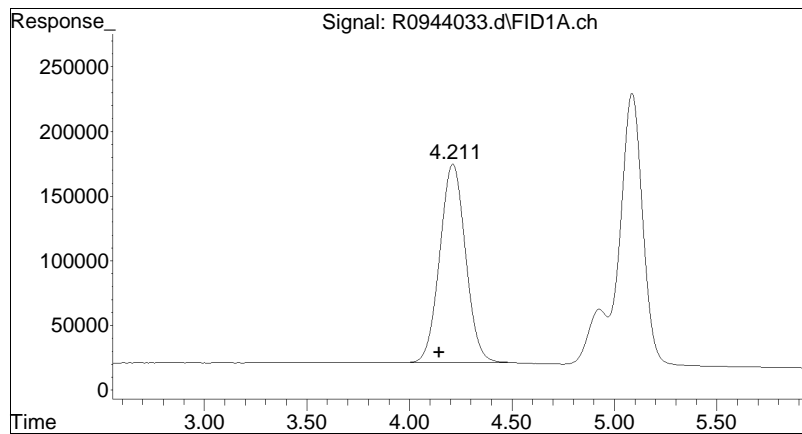
Sub List : Default - All compounds listed





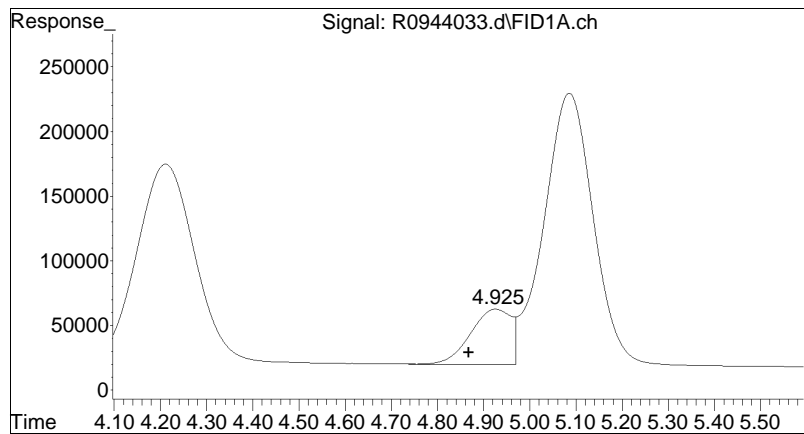
#1 methane

R.T.: 1.180 min
Delta R.T.: 0.010 min
Response: 7997997
Conc: 57.15 ug/L



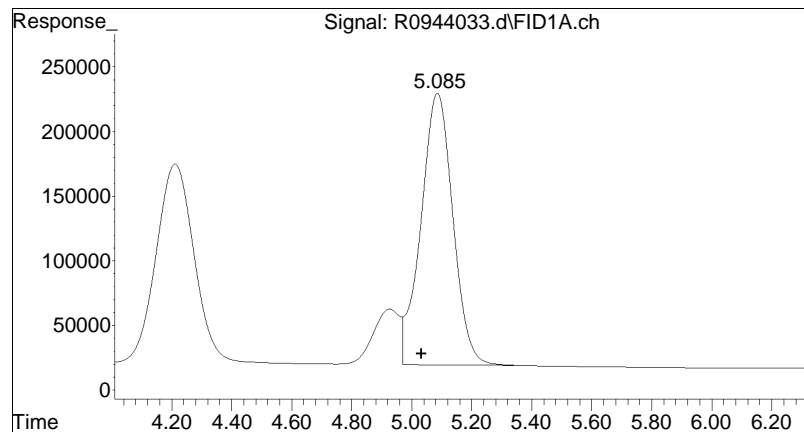
#2 ethene

R.T.: 4.212 min
Delta R.T.: 0.065 min
Response: 13446815
Conc: 94.33 ug/L



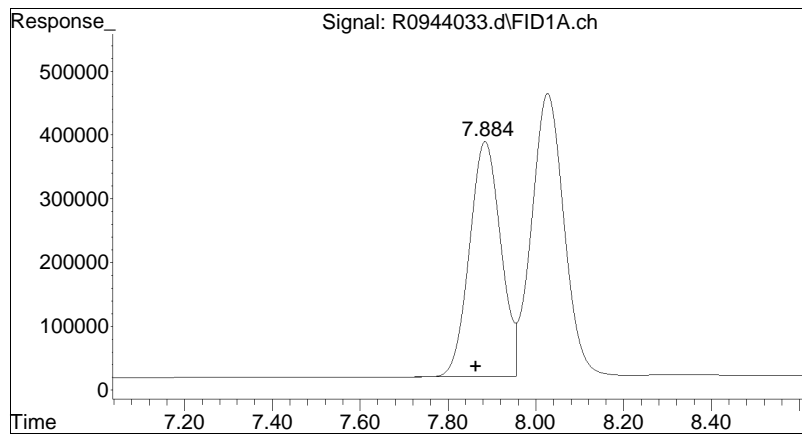
#3 acetylene

R.T.: 4.927 min
Delta R.T.: 0.060 min
Response: 2620954
Conc: 88.16 ug/L



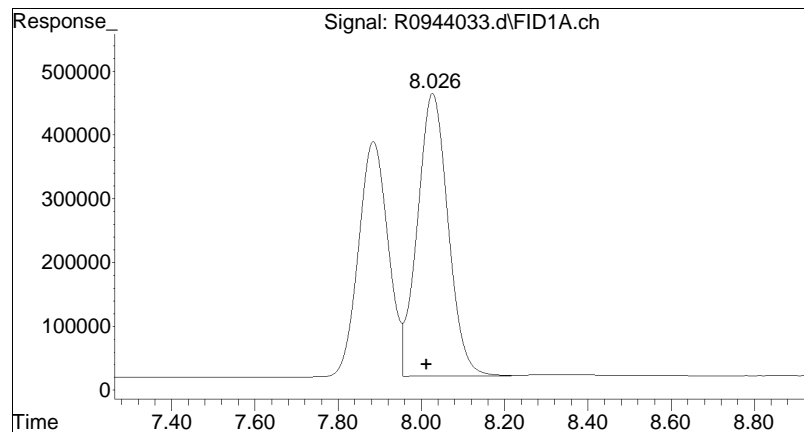
#4 ethane

R.T.: 5.086 min
Delta R.T.: 0.055 min
Response: 15553419
Conc: 98.81 ug/L



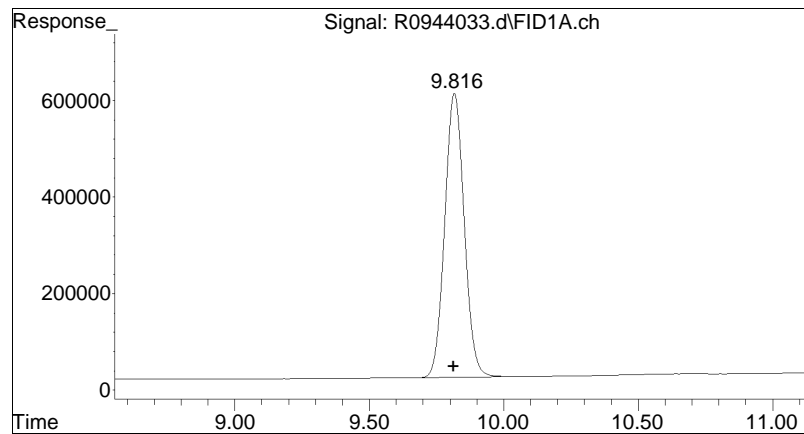
#5 propene

R.T.: 7.886 min
Delta R.T.: 0.022 min
Response: 18182585
Conc: 143.34 ug/L



#6 propane

R.T.: 8.028 min
Delta R.T.: 0.015 min
Response: 22710676
Conc: 152.30 ug/L



#7 butane

R.T.: 9.818 min
Delta R.T.: 0.004 min
Response: 29667602
Conc: 204.12 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944033.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 9:27 am Instrument : Airlab9
Sample : WG1695311-2,4,0.5,0.5 Quant Date : 10/4/2022 9:44 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944041.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 12:08 pm
 Operator : AIRLAB9:BJB
 Sample : WG1695311-4,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 13:03:16 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.177 | 50769462 | 362.800 | ug/L M4 |
| 2) ethene | 4.156 | 15332 | 0.108 | ug/L M2 |
| 4) ethane | 5.083 | 42304 | 0.269 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

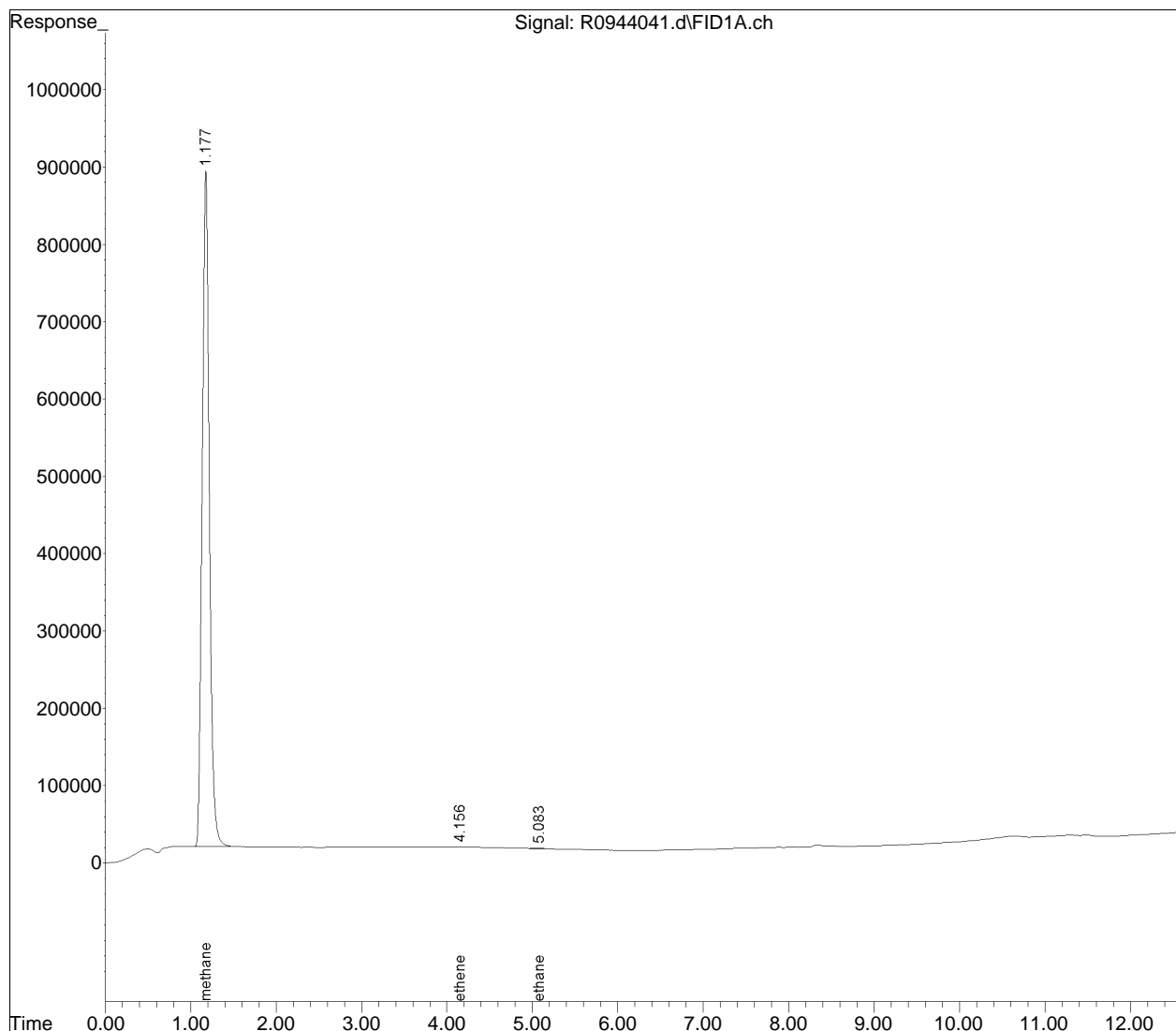
Quantitation Report (QT Reviewed)

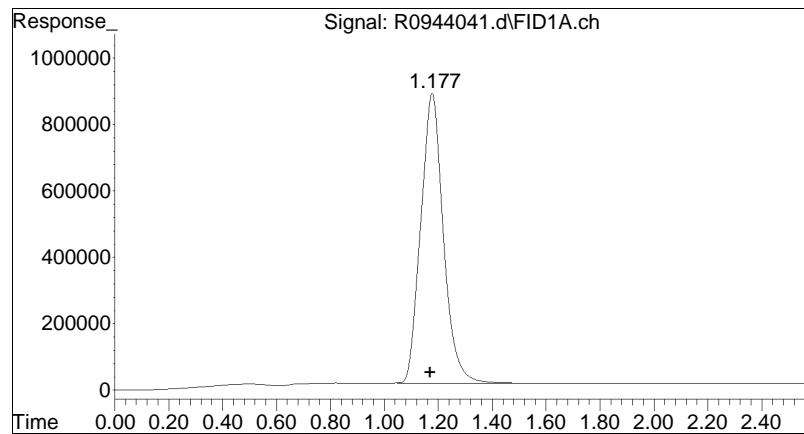
Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944041.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 12:08 pm
Operator : AIRLAB9:BJB
Sample : WG1695311-4,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 13:03:16 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

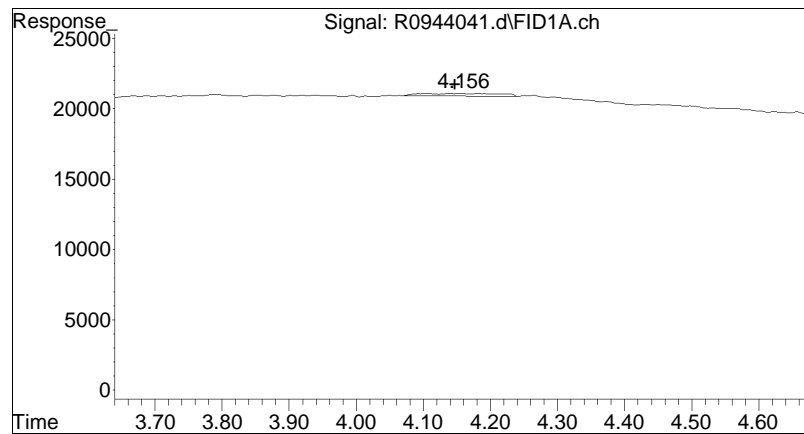
Sub List : MEE - All compounds listed



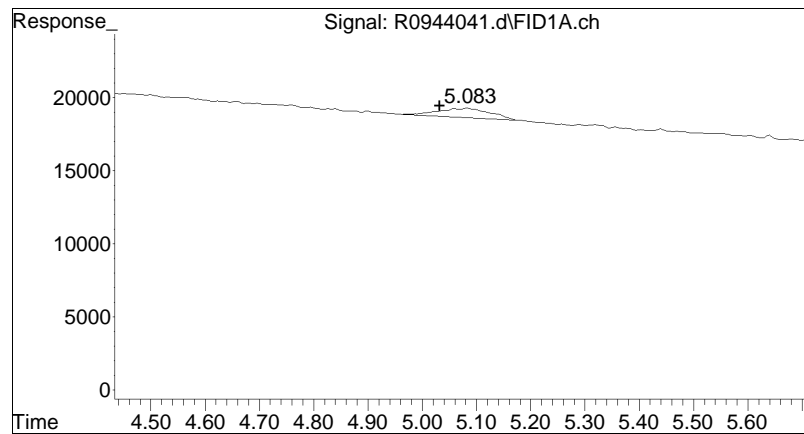


#1 methane

R.T.: 1.177 min
Delta R.T.: 0.007 min
Response: 50769462
Conc: 362.80 ug/L M4



#2 ethene
R.T.: 4.156 min
Delta R.T.: 0.009 min
Response: 15332
Conc: 0.11 ug/L M2



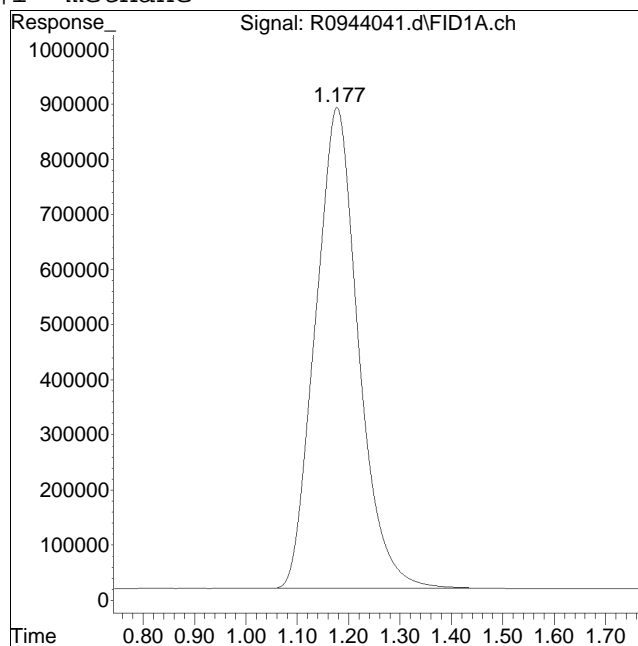
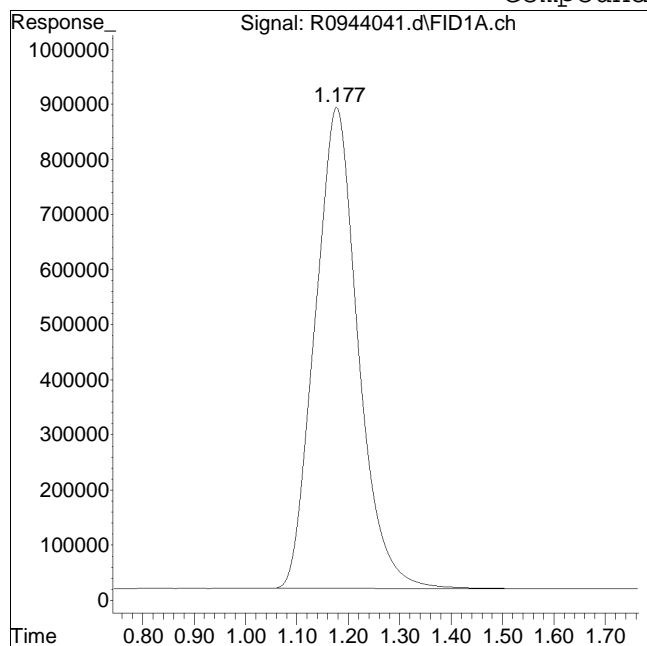
#4 ethane

R.T.: 5.083 min
Delta R.T.: 0.052 min
Response: 42304
Conc: 0.27 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944041.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 12:08 pm Instrument : Airlab9
Sample : WG1695311-4,4,0.5,0.5 Quant Date : 10/4/2022 1:02 pm

Compound #1: methane



Original Peak Response = 50801092

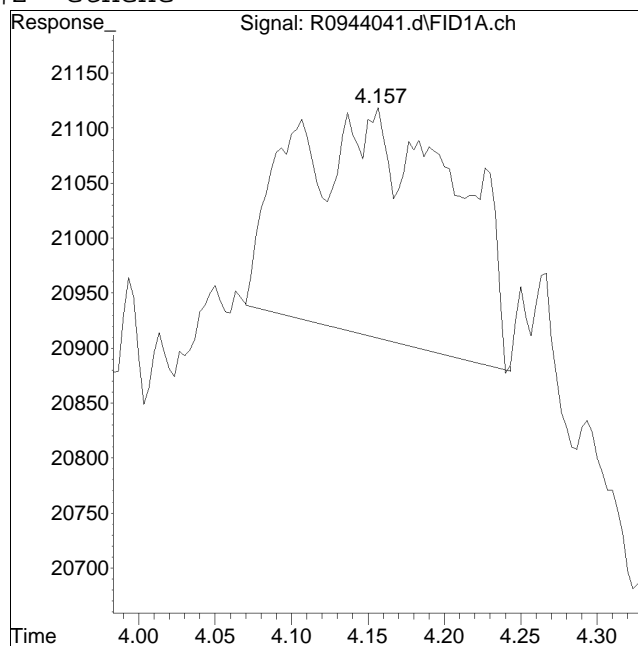
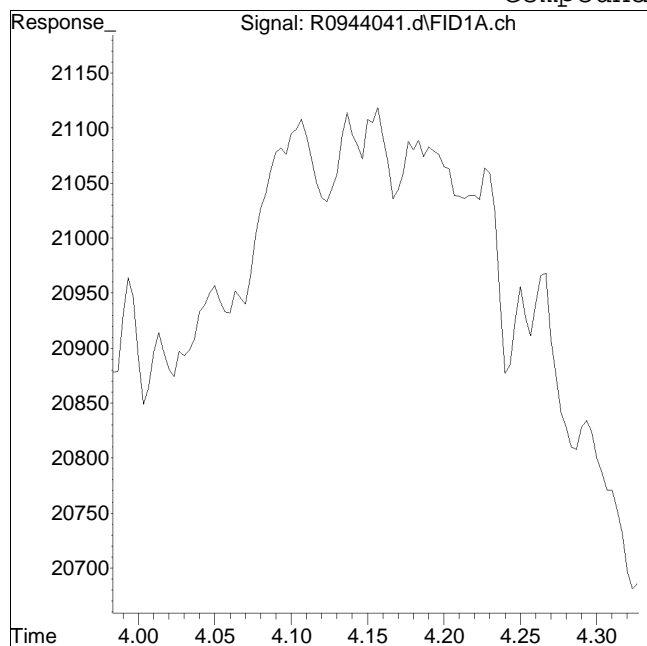
Manual Peak Response = 50769462 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944041.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 12:08 pm Instrument : Airlab9
Sample : WG1695311-4,4,0.5,0.5 Quant Date : 10/4/2022 1:02 pm

Compound #2: ethene



Original Peak Response = 0

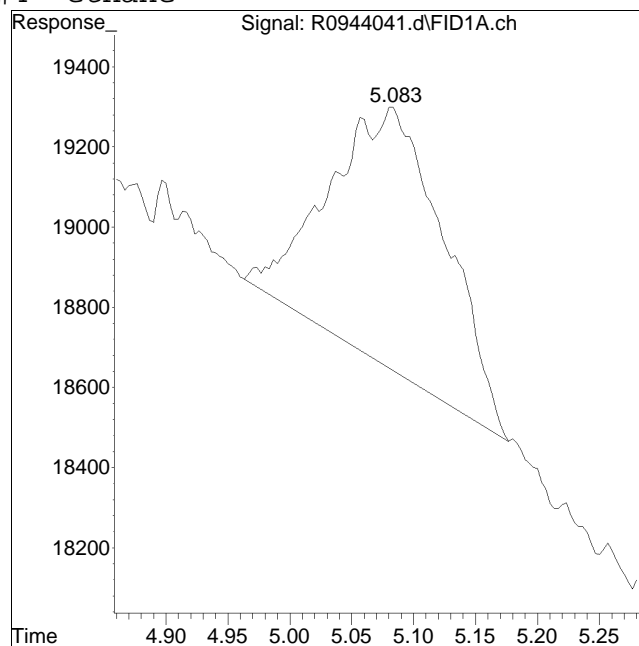
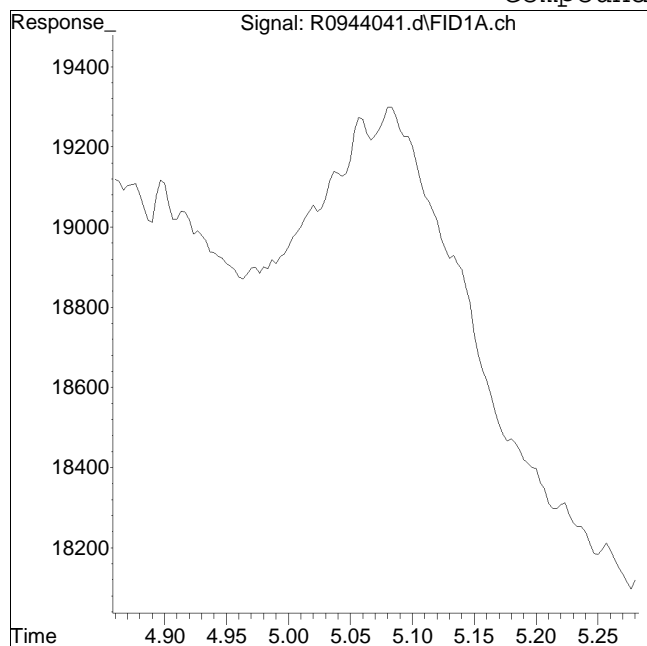
Manual Peak Response = 15332 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944041.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 12:08 pm Instrument : Airlab9
Sample : WG1695311-4,4,0.5,0.5 Quant Date : 10/4/2022 1:02 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 42304 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
 Data File : R0943983.d
 Signal(s) : FID1A.ch
 Acq On : 30 Sep 2022 4:55 pm
 Operator : AIRLAB9:BJB
 Sample : WG1694803-4,4,0.5,0.5
 Misc : WG1694803,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 03 14:19:55 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.172 | 152635189 | 1090.735 | ug/L M2 |
| 2) ethene | 4.205 | 13468256 | 94.476 | ug/L |
| 4) ethane | 5.080 | 15022894 | 95.438 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

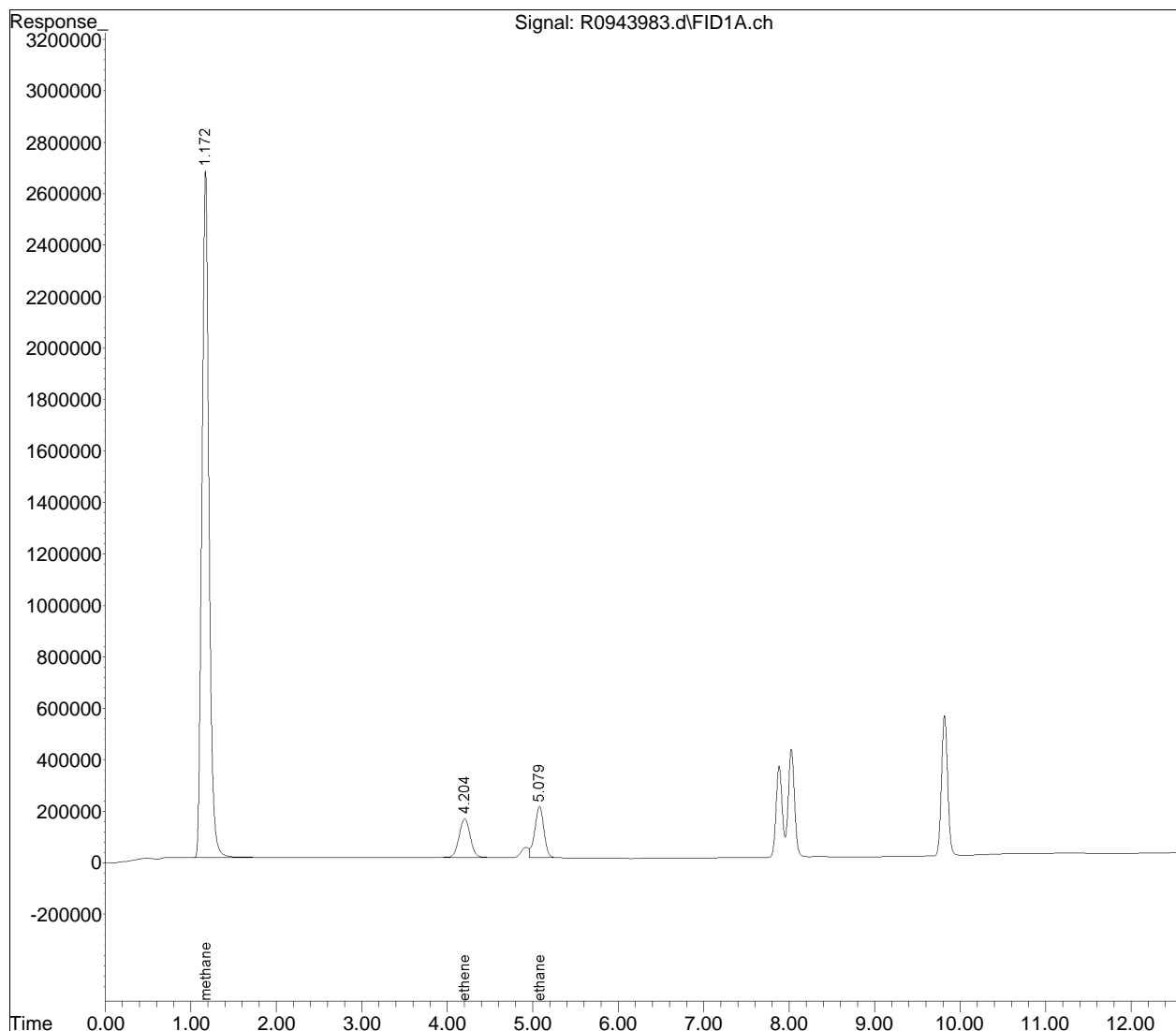
Quantitation Report (QT Reviewed)

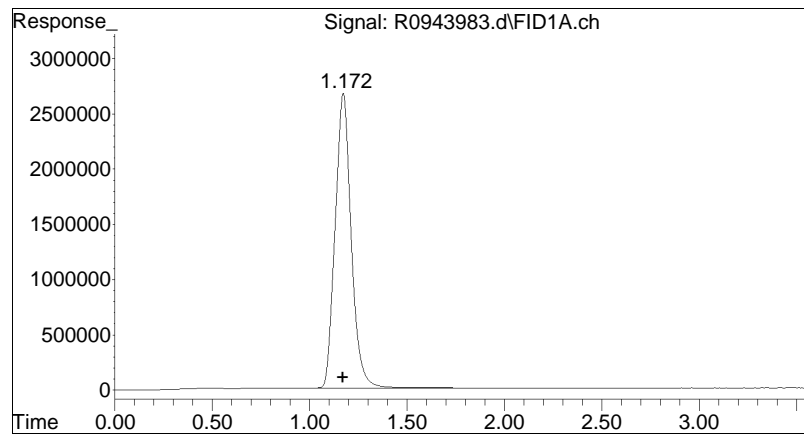
Data Path : O:\Forensics\Data\airlab9\2022\09\0930DG\
Data File : R0943983.d
Signal(s) : FID1A.ch
Acq On : 30 Sep 2022 4:55 pm
Operator : AIRLAB9:BJB
Sample : WG1694803-4,4,0.5,0.5
Misc : WG1694803,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 03 14:19:55 2022
Quant Method : O:\Forensics\Data\airlab9\2022\09\0930DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

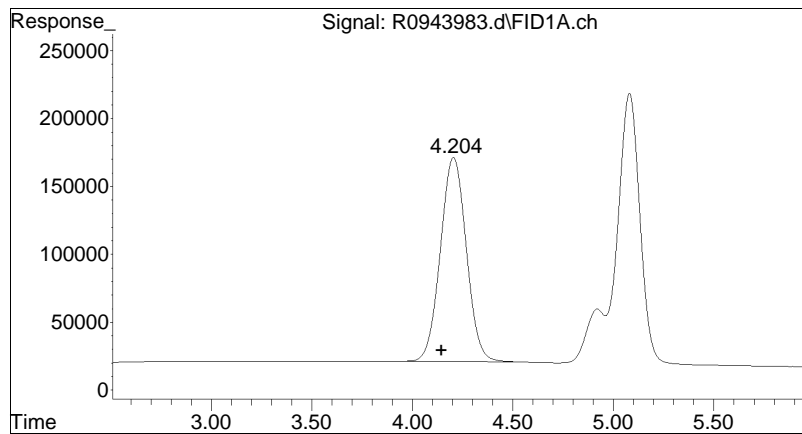
Sub List : MEE - All compounds listed





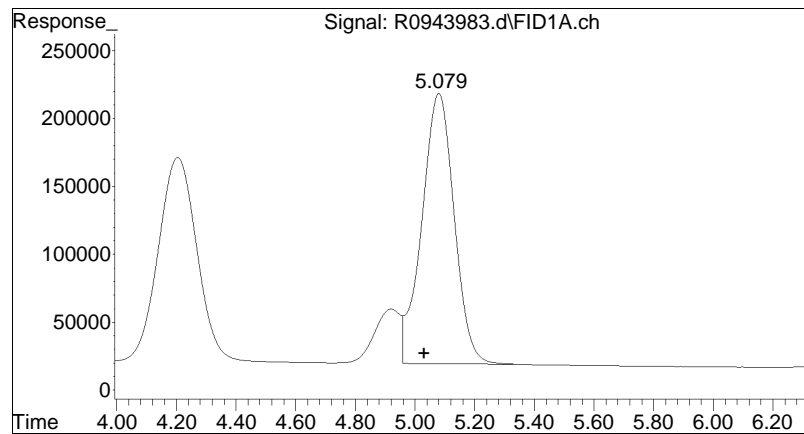
#1 methane

R.T.: 1.172 min
Delta R.T.: 0.002 min
Response: 152635189
Conc: 1090.74 ug/L M2



#2 ethene

R.T.: 4.205 min
Delta R.T.: 0.058 min
Response: 13468256
Conc: 94.48 ug/L



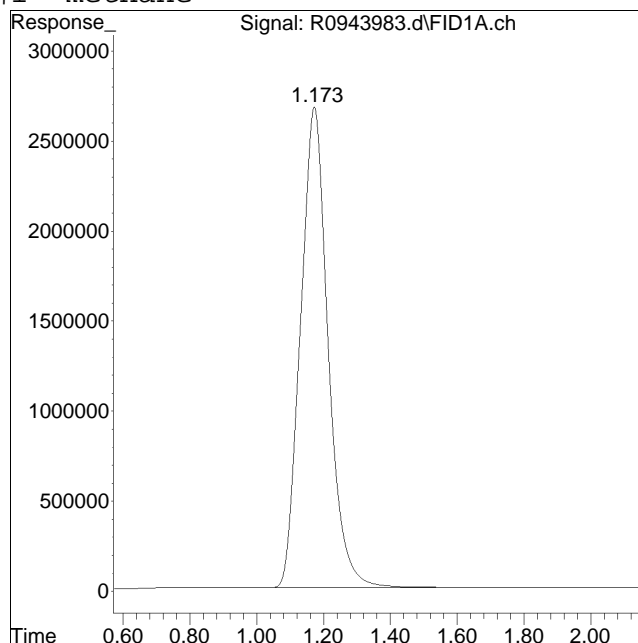
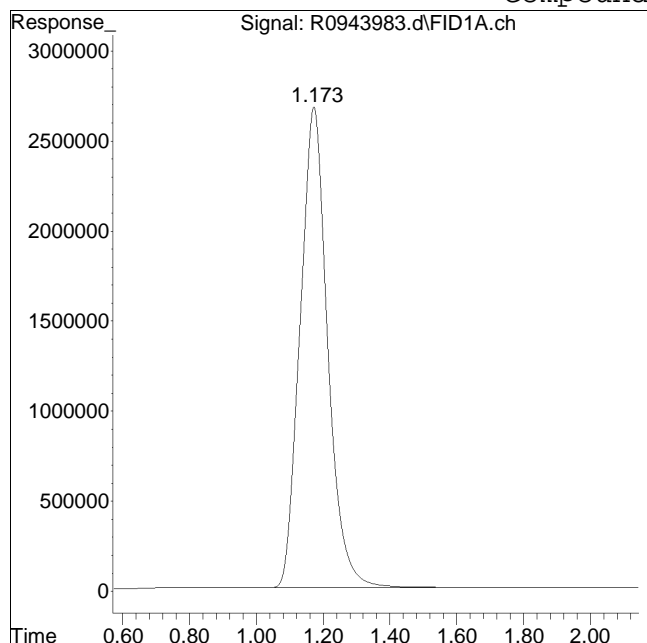
#4 ethane

R.T.: 5.080 min
Delta R.T.: 0.049 min
Response: 15022894
Conc: 95.44 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0943983.d Operator : AIRLAB9:BJB
Date Inj'd : 9/30/2022 4:55 pm Instrument : Airlab9
Sample : WG1694803-4,4,0.5,0.5 Quant Date : 10/3/2022 2:16 pm

Compound #1: methane



Original Peak Response = 152340551

Manual Peak Response = 152635189 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
 Data File : R0944042.d
 Signal(s) : FID1A.ch
 Acq On : 4 Oct 2022 12:25 pm
 Operator : AIRLAB9:BJB
 Sample : WG1695311-5,4,0.5,0.5
 Misc : WG1695311,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Oct 04 13:13:42 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|----------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.206 | 9461252 | 67.610 ug/L M2 |
| 2) ethene | 4.229 | 15244642 | 106.937 ug/L |
| 4) ethane | 5.097 | 17542397 | 111.443 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

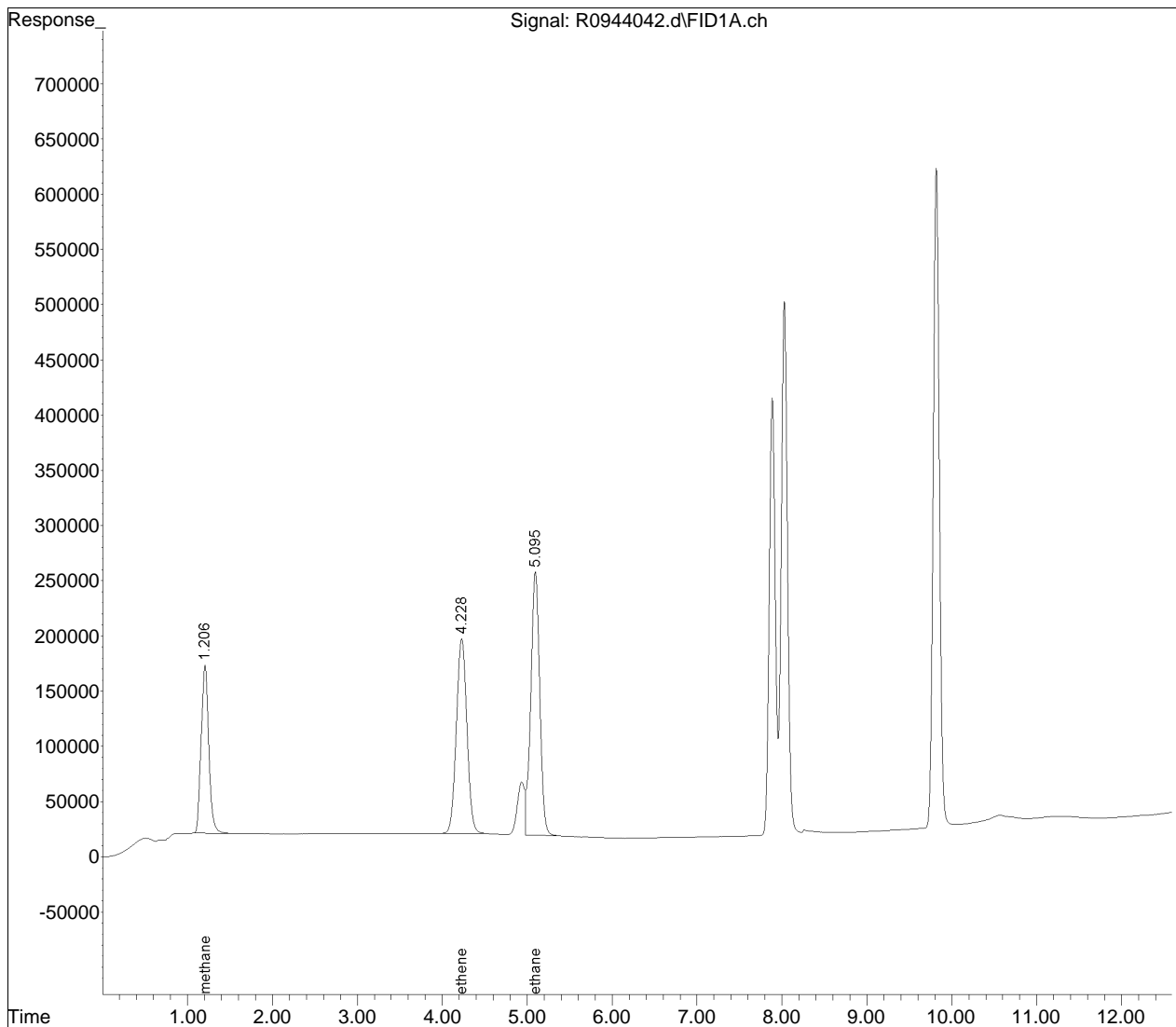
Quantitation Report (QT Reviewed)

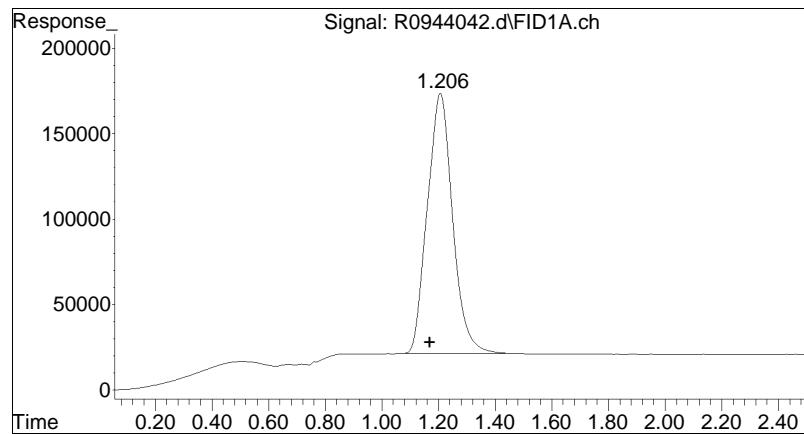
Data Path : O:\Forensics\Data\airlab9\2022\10\1004DG\
Data File : R0944042.d
Signal(s) : FID1A.ch
Acq On : 4 Oct 2022 12:25 pm
Operator : AIRLAB9:BJB
Sample : WG1695311-5,4,0.5,0.5
Misc : WG1695311,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 04 13:13:42 2022
Quant Method : O:\Forensics\Data\airlab9\2022\10\1004DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

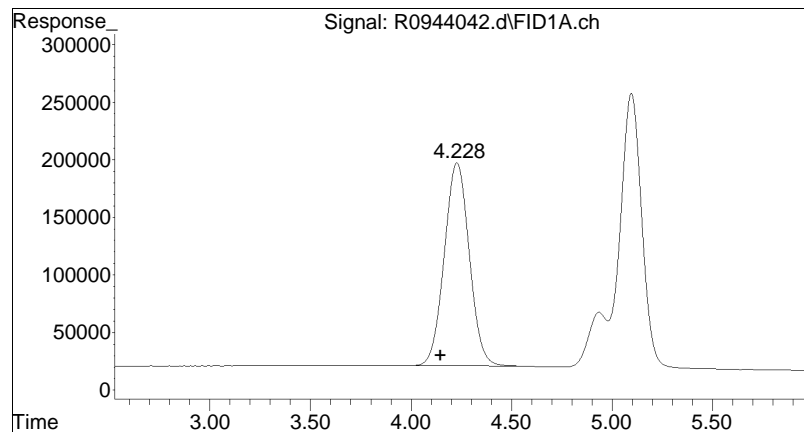
Sub List : MEE - All compounds listed





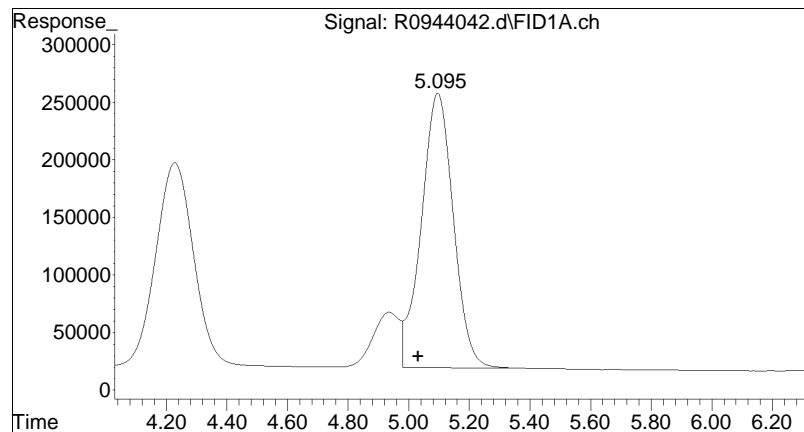
#1 methane

R.T.: 1.206 min
Delta R.T.: 0.036 min
Response: 9461252
Conc: 67.61 ug/L M2



#2 ethene

R.T.: 4.229 min
Delta R.T.: 0.082 min
Response: 15244642
Conc: 106.94 ug/L



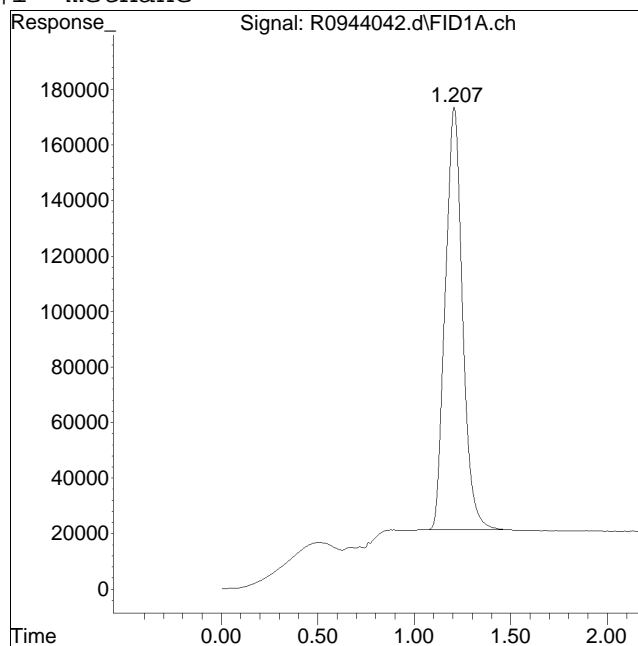
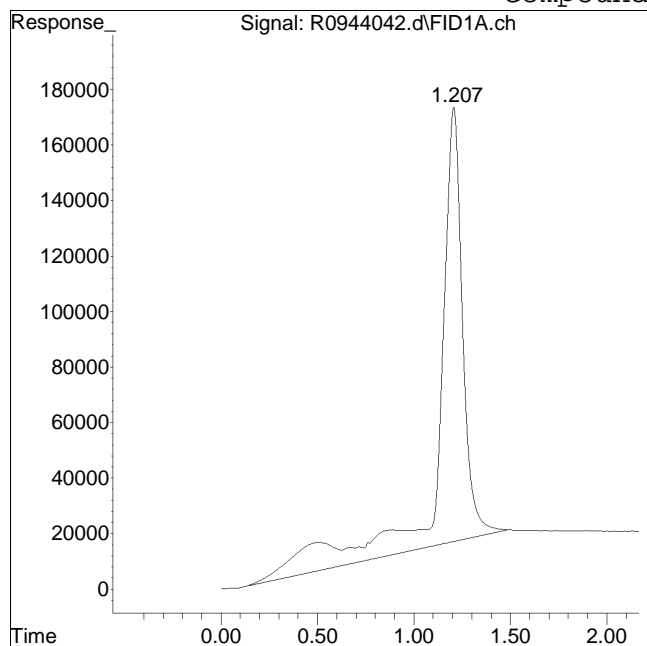
#4 ethane

R.T.: 5.097 min
Delta R.T.: 0.065 min
Response: 17542397
Conc: 111.44 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0944042.d Operator : AIRLAB9:BJB
Date Inj'd : 10/4/2022 12:25 pm Instrument : Airlab9
Sample : WG1695311-5,4,0.5,0.5 Quant Date : 10/4/2022 1:02 pm

Compound #1: methane



Original Peak Response = 13804082

Manual Peak Response = 9461252 M2

M2 = Peak not found by automatic integration algorithm.

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, ppbv} = C_s \times \text{DF}$$

Where:

C_s = Concentration of sample (ppbv)

DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor

$$\text{DF} = V_{cf} / V_{ci}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

P =

Conversion of ppbv to $\mu\text{g}/\text{m}^3$

$$\mu\text{g}/\text{m}^3 = (\text{ppbv}) * \text{MW} / 24.47$$

Where:

24.47 = molar gas constant (g/g-mole)

MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$$V_{ci} = 2.7 * PI/14.696$$

Step 2: Calculate the volume in the canister after pressurization.

$$V_{cf} = 2.7 * PF/14.696$$

Step 3: Calculate the dilution factor.

$$DF = V_{cf} / V_{ci}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

PI = pressure reading of canister prior to pressurization (psia)

V_{cf} = volume of air in canister after pressurization, L

PF = pressure reading of canister after pressurization (psia)

DF = dilution factor

14.696 = atmospheric pressure (psia)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 04 2022, 03:07 pm

Work Group: WG1694803 for Department: 4 Gas Chromatography

Created: 03-OCT-22 Due: Operator: BJB

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|-----------|--------|------|----|------|------|----|-----------|
| L2253502-01 | MW-21 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-02 | MW-23 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-03 | MW-19 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-04 | MW-25I | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-05 | MW-20 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-06 | MW-24I | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-07 | MW-D2 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-09 | MW-D2I | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-10 | MW-10 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| L2253502-12 | DUP_09282022 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| WG1694803-1 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-2 | Laboratory Control S | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-3 | Laboratory Method Bl | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-4 | Matrix Spike | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-5 | Matrix Spike Duplica | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-6 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| WG1694803-7 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| Comments: | | | | | | | | | |
| WG1694803-4 | L2253502-04 | | | | | | | | |
| WG1694803-5 | L2253502-04 | | | | | | | | |

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 04 2022, 03:07 pm

Work Group: WG1695311 for Department: 4 Gas Chromatography

Created: 04-OCT-22 Due: Operator: BJB

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|-----------|--------|------|----|------|------|----|-----------|
| L2253170-03 | PZ-32BR | S DISSGAS | WATER | DONE | U | 1011 | 1018 | S0 | Vial-B-20 |
| L2253170-04 | PZ-43B | S DISSGAS | WATER | DONE | U | 1011 | 1018 | S0 | Vial-B-20 |
| L2253170-05 | PZ-26BR | S DISSGAS | WATER | DONE | U | 1011 | 1018 | S0 | Vial-B-20 |
| L2253170-06 | PZ-5BR | S DISSGAS | WATER | DONE | U | 1011 | 1018 | S0 | Vial-B-20 |
| L2253170-07 | PZ-5AR | S DISSGAS | WATER | DONE | U | 1011 | 1018 | S0 | Vial-B-20 |
| L2253502-11 | FB_09282022 | S DISSGAS | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B-20 |
| WG1695311-1 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| WG1695311-2 | Laboratory Control S | S DISSGAS | WATER | DONE | U | | | | |
| WG1695311-3 | Laboratory Method Bl | S DISSGAS | WATER | DONE | U | | | | |
| WG1695311-4 | Duplicate Sample | S DISSGAS | WATER | DONE | U | | | | |
| WG1695311-5 | Matrix Spike | S DISSGAS | WATER | DONE | U | | | | |
| WG1695311-6 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |

Comments:

WG1695311-4 L2253170-04
 WG1695311-5 L2253502-11

Alpha Analytical Air Lab Instrument Run Log

Instrument ID: Airlab9
 Date: 05/11/2020_I
 Analyst Initials: AW/AR

ICAL LOT #: CSS20-001
 LCS LOT #: CSS19-009
 EM Voltage: NA
 pH LOT#: 10BDH5291

DISSGAS ICAL#: 16682

DISSGAS-CO2 ICAL#: 14290

| Position # | Sample ID | Acquisition Method | Data File ID | Misc Info | Comment |
|------------|---------------|--------------------|--------------|----------------------|---------|
| 1 | BLANK | DISSGAS | R0932149 | BLANK | |
| 2 | IDISSGASSTD01 | DISSGAS | R0932150 | 5X OF STD02 | |
| 2 | IDISSGASSTD02 | DISSGAS | R0932151 | 350 uL of SS20-016B | |
| 3 | IDISSGASSTD03 | DISSGAS | R0932152 | 2X OF STD04 | |
| 3 | IDISSGASSTD04 | DISSGAS | R0932153 | 125 uL of SS20-016A | |
| 4 | IDISSGASSTD05 | DISSGAS | R0932154 | 5X OF STD07 | |
| 4 | IDISSGASSTD06 | DISSGAS | R0932155 | 2X OF STD07 | |
| 4 | IDISSGASSTD07 | DISSGAS | R0932156 | 5000 uL of SS20-016A | |
| 5 | IDISSGASSTD08 | DISSGAS | R0932157 | 500 uL of CSS18-008 | |
| 6 | BLANK | DISSGAS | R0932158 | BLANK | |
| 7 | CDISSGASTD04 | DISSGAS | R0932159 | 125 uL of CSS19-019 | |
| | | | | | |
| | | | | | |
| | | | | | |
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Alpha Analytical Air Lab Instrument Run Log

| | | | | | |
|--|--|--|--|--|--|
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| | | | | | |

Alpha Analytical Air Lab Instrument Run Log

Instrument ID: Airlab9
 Date: 09/30/22
 Analyst Initials: BB

ICAL LOT #: SS21-026A
 LCS LOT #: CSS21-013
 EM Voltage: NA
 pH LOT#: 10BDH3101

DISSGAS ICAL#: 16772

DISSGAS-CO2 ICAL#: 16789

| Position # | Sample ID | Acquisition Method | Data File ID | Misc Info | Comment |
|------------|---------------------------|--------------------|--------------|---------------------|-----------------------|
| 1 | BLANK | DISSGAS-E | R0943979 | WG1694803,ICAL16772 | BLANK |
| 2 | CCAL | DISSGAS | R0943980 | WG1694803,ICAL16772 | CCAL |
| 3 | BLANK | DISSGAS | R0943981 | WG1694803,ICAL16772 | BLANK |
| 4 | L22535020-04,4,0.5,0.5 | DISSGAS | R0943982 | WG1694803,ICAL16772 | pH Greater than 2 |
| 5 | L22535020-04MS,4,0.5,0.5 | DISSGAS | R0943983 | WG1694803,ICAL16772 | MS |
| 6 | L22636020-04MSD,4,0.5,0.5 | DISSGAS | R0943984 | WG1694803,ICAL16772 | MSD |
| 7 | L2253502-01,4,0.5,0.5 | DISSGAS | R0943985 | WG1694803,ICAL16772 | pH<2 |
| 8 | L2253502-02,4,0.5,0.5 | DISSGAS | R0943986 | WG1694803,ICAL16772 | pH<2 |
| 9 | L2253502-03,4,0.5,0.5 | DISSGAS | R0943987 | WG1694803,ICAL16772 | pH<2 |
| 10 | L2253502-05,4,0.5,0.5 | DISSGAS | R0943988 | WG1694803,ICAL16772 | pH<2 |
| 11 | L2253502-06,4,0.5,0.5 | DISSGAS | R0943989 | WG1694803,ICAL16772 | pH<2 |
| 12 | L2253502-07,4,0.5,0.5 | DISSGAS | R0943990 | WG1694803,ICAL16772 | pH<2 |
| 13 | L2253502-09,4,0.5,0.5 | DISSGAS | R0943991 | WG1694803,ICAL16772 | pH Greater than 2 |
| 7 | L2253502-10,4,0.5,0.5 | DISSGAS | R0943992 | WG1694803,ICAL16772 | pH<2 |
| 7 | L2253502-11,4,0.5,0.5 | DISSGAS | R0943993 | WG1694803,ICAL16772 | RERUN (BAD INJECTION) |
| 2 | BLANK | DISSGAS-E | R0943994 | WG1694803,ICAL16772 | BLANK |
| 3 | CCAL | DISSGAS | R0943995 | WG1694803,ICAL16772 | CCAL |
| 14 | L2253502-12,4,0.5,0.5 | DISSGAS | R0943996 | WG1694803,ICAL16772 | pH<2 |
| 15 | BLANK | DISSGAS-E | R0943997 | WG1694803,ICAL16772 | BLANK |
| 16 | CCAL | DISSGAS | R0943998 | WG1694803,ICAL16772 | CCAL |
| 17 | CCAL | DISSGAS | R0943999 | WG1694803,ICAL16772 | CCAL |
| 18 | | | | | |

**Alpha Analytical Air Lab
Instrument Run Log**

| | | | | | |
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| 19 | | | | | |
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Alpha Analytical Air Lab Instrument Run Log

L Instrument ID: Airlab9
 Date: 10/03/22
 Analyst Initials: BB

ICAL LOT #: SS21-026A
 LCS LOT #: CSS21-013
 EM Voltage: NA
 pH LOT#: 10BDH3101

DISSGAS ICAL#: 16772

DISSGAS-CO2 ICAL#: 16789

| AS Position # | Sample ID | Acquisition Method | Data File ID | Misc Info | Comment |
|---------------------|--------------------------|-----------------------|-----------------|---------------------|--|
| 1 | BLANK | DISSGAS-E | R0944032 | WG1695311,ICAL16772 | BLANK |
| 2 | CCAL | DISSGAS | R0944033 | WG1695311,ICAL16772 | CCAL |
| 3 | BLANK | DISSGAS | R0944034 | WG1695311,ICAL16772 | BLANK |
| 4 | L2253502-11,4,0.5,0.5 | DISSGAS | R0944035 | WG1695311,ICAL16772 | pH<2 |
| 5 | L2253170-03,4,0.5,0.5 | DISSGAS | R0944036 | WG1695311,ICAL16772 | pH<2 |
| 6 | L2253170-04,4,0.5,0.5 | DISSGAS | R0944037 | WG1695311,ICAL16772 | pH<2 |
| 7 | L2253170-05,4,0.5,0.5 | DISSGAS | R0944038 | WG1695311,ICAL16772 | pH<2 |
| 8 | L2253170-06,4,0.5,0.5 | DISSGAS | R0944039 | WG1695311,ICAL16772 | pH<2 |
| 9 | L2253170-07,4,0.5,0.5 | DISSGAS | R0944040 | WG1695311,ICAL16772 | pH<2 |
| 6 | L2253170-04DUP,4,0.5,0.5 | DISSGAS | R0944041 | WG1695311,ICAL16772 | DUP |
| 4 | L2253502-11MS,4,0.5,0.5 | DISSGAS | R0944042 | WG1695311,ICAL16772 | MS |
| 2 | CCAL | DISSGAS | R0944043 | WG1695311,ICAL16772 | CCAL (USED AS OPENING FOR 10/4_N SEQ) |
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GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
 Project Name: FORMER PFIZER INC SITE B&D

Lab Number: L2253502
 Project Number: 0047.0044Y047
 Matrix: Water

| CLIENT ID (LAB SAMPLE NO.) | SMC1 DCA | SMC2 TOL | SMC3 BFB | SMC4 DBFM | TOT OUT |
|-------------------------------|-------------|-------------|-------------|--------------|------------|
| MW-21 (L2253502-01) | 77 | 97 | 98 | 106 | 0 |
| MW-23 (L2253502-02) | 78 | 97 | 95 | 103 | 0 |
| MW-19 (L2253502-03) | 77 | 96 | 93 | 102 | 0 |
| MW-25I (L2253502-04) | 82 | 97 | 95 | 106 | 0 |
| MW-20 (L2253502-05D) | 99 | 100 | 95 | 101 | 0 |
| MW-20 (L2253502-05) | 87 | 99 | 94 | 110 | 0 |
| MW-24I (L2253502-06) | 81 | 96 | 95 | 109 | 0 |
| MW-D2 (L2253502-07) | 81 | 96 | 94 | 107 | 0 |
| MW-D2I (L2253502-09) | 84 | 95 | 92 | 106 | 0 |
| MW-10 (L2253502-10D) | 88 | 96 | 99 | 111 | 0 |
| FB_09282022 (L2253502-11) | 82 | 95 | 96 | 110 | 0 |
| DUP_09282022 (L2253502-12D) | 88 | 97 | 95 | 110 | 0 |
| TB_09282022 (L2253502-13) | 84 | 94 | 96 | 110 | 0 |
| WG1694829-3LCS | 83 | 99 | 99 | 102 | 0 |
| WG1694829-4LCSD | 81 | 100 | 99 | 102 | 0 |
| WG1694829-5BLANK | 78 | 95 | 97 | 104 | 0 |
| MW-25IMS | 86 | 99 | 95 | 103 | 0 |
| MW-25IMSD | 87 | 98 | 98 | 103 | 0 |
| WG1694869-3LCS | 103 | 100 | 89 | 99 | 0 |
| WG1694869-4LCSD | 101 | 100 | 89 | 100 | 0 |
| WG1694869-5BLANK | 98 | 100 | 92 | 101 | 0 |

QC LIMITS

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

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2253502
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Matrix : WATER
LCS Sample ID : WG1694829-3 **Analysis Date** : 10/01/22 09:34 **File ID** : V30221001A02
LCSD Sample ID : WG1694829-4 **Analysis Date** : 10/01/22 09:53 **File ID** : V30221001A03

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methylene chloride | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| 1,1-Dichloroethane | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Chloroform | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Carbon tetrachloride | 10 | 9.7 | 97 | 10 | 9.9 | 99 | 2 | 63-132 | 20 |
| Tetrachloroethene | 10 | 9.4 | 94 | 10 | 9.9 | 99 | 5 | 70-130 | 20 |
| Chlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 75-130 | 20 |
| 1,2-Dichloroethane | 10 | 8.0 | 80 | 10 | 8.2 | 82 | 2 | 70-130 | 20 |
| 1,1,1-Trichloroethane | 10 | 9.2 | 92 | 10 | 9.2 | 92 | 0 | 67-130 | 20 |
| Benzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Toluene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Ethylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Vinyl chloride | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 55-140 | 20 |
| 1,1-Dichloroethene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 61-145 | 20 |
| trans-1,2-Dichloroethene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Trichloroethene | 10 | 9.8 | 98 | 10 | 10 | 100 | 2 | 70-130 | 20 |
| 1,2-Dichlorobenzene | 10 | 9.8 | 98 | 10 | 10 | 100 | 2 | 70-130 | 20 |
| 1,3-Dichlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,4-Dichlorobenzene | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| Methyl tert butyl ether | 10 | 6.7 | 67 | 10 | 6.8 | 68 | 1 | 63-130 | 20 |
| p/m-Xylene | 20 | 21 | 105 | 20 | 22 | 110 | 5 | 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 |
| Acetone | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 58-148 | 20 |
| 2-Butanone | 10 | 8.1 | 81 | 10 | 9.4 | 94 | 15 | 63-138 | 20 |
| n-Butylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 53-136 | 20 |
| sec-Butylbenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2253502
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Matrix : WATER
LCS Sample ID : WG1694829-3 **Analysis Date** : 10/01/22 09:34 **File ID** : V30221001A02
LCSD Sample ID : WG1694829-4 **Analysis Date** : 10/01/22 09:53 **File ID** : V30221001A03

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| tert-Butylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| n-Propylbenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 69-130 | 20 |
| 1,3,5-Trimethylbenzene | 10 | 9.4 | 94 | 10 | 9.8 | 98 | 4 | 64-130 | 20 |
| 1,2,4-Trimethylbenzene | 10 | 9.2 | 92 | 10 | 9.4 | 94 | 2 | 70-130 | 20 |
| 1,4-Dioxane | 500 | 520 | 104 | 500 | 550 | 110 | 6 | 56-162 | 20 |



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2253502
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Matrix : WATER
LCS Sample ID : WG1694869-3 **Analysis Date** : 10/03/22 09:51 **File ID** : VG221003A02
LCSD Sample ID : WG1694869-4 **Analysis Date** : 10/03/22 10:17 **File ID** : VG221003A03

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methylene chloride | 10 | 8.7 | 87 | 10 | 9.4 | 94 | 8 | 70-130 | 20 |
| 1,1-Dichloroethane | 10 | 9.8 | 98 | 10 | 10 | 100 | 2 | 70-130 | 20 |
| Chloroform | 10 | 9.2 | 92 | 10 | 9.7 | 97 | 5 | 70-130 | 20 |
| Carbon tetrachloride | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 63-132 | 20 |
| Tetrachloroethene | 10 | 10 | 100 | 10 | 9.9 | 99 | 1 | 70-130 | 20 |
| Chlorobenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 75-130 | 20 |
| 1,2-Dichloroethane | 10 | 9.3 | 93 | 10 | 9.1 | 91 | 2 | 70-130 | 20 |
| 1,1,1-Trichloroethane | 10 | 9.9 | 99 | 10 | 9.6 | 96 | 3 | 67-130 | 20 |
| Benzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Toluene | 10 | 9.9 | 99 | 10 | 9.7 | 97 | 2 | 70-130 | 20 |
| Ethylbenzene | 10 | 9.9 | 99 | 10 | 9.7 | 97 | 2 | 70-130 | 20 |
| Vinyl chloride | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 55-140 | 20 |
| 1,1-Dichloroethene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 61-145 | 20 |
| trans-1,2-Dichloroethene | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| Trichloroethene | 10 | 9.8 | 98 | 10 | 9.5 | 95 | 3 | 70-130 | 20 |
| 1,2-Dichlorobenzene | 10 | 10 | 100 | 10 | 9.7 | 97 | 3 | 70-130 | 20 |
| 1,3-Dichlorobenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| 1,4-Dichlorobenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Methyl tert butyl ether | 10 | 7.3 | 73 | 10 | 8.0 | 80 | 9 | 63-130 | 20 |
| p/m-Xylene | 20 | 21 | 105 | 20 | 20 | 100 | 5 | 70-130 | 20 |
| o-Xylene | 20 | 20 | 100 | 20 | 20 | 100 | 0 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 10 | 9.6 | 96 | 10 | 10 | 100 | 4 | 70-130 | 20 |
| Acetone | 10 | 8.0 | 80 | 10 | 8.6 | 86 | 7 | 58-148 | 20 |
| 2-Butanone | 10 | 7.6 | 76 | 10 | 7.6 | 76 | 0 | 63-138 | 20 |
| n-Butylbenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 53-136 | 20 |
| sec-Butylbenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |



**Laboratory Control Sample Summary
Form 3
Volatiles**

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2253502
 Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
 Matrix : WATER
 LCS Sample ID : WG1694869-3 Analysis Date : 10/03/22 09:51 File ID : VG221003A02
 LCSD Sample ID : WG1694869-4 Analysis Date : 10/03/22 10:17 File ID : VG221003A03

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| tert-Butylbenzene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| n-Propylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 69-130 | 20 |
| 1,3,5-Trimethylbenzene | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 64-130 | 20 |
| 1,2,4-Trimethylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| 1,4-Dioxane | 500 | 380 | 76 | 500 | 390 | 78 | 3 | 56-162 | 20 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-25I | Matrix : WATER |
| Lab Sample ID : L2253502-04 | Analysis Date : 10/01/22 12:45 |
| Matrix Spike : WG1694829-6 | MS Analysis Date : 10/01/22 17:39 |
| Matrix Spike Dup : WG1694829-7 | MSD Analysis Date : 10/01/22 17:58 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--------------------------|---------------------|---------------------|--------------------|-----|------------------------|--------------------|-----|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Methylene chloride | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 70-130 | 20 |
| 1,1-Dichloroethane | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 70-130 | 20 |
| Chloroform | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Carbon tetrachloride | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 63-132 | 20 |
| Tetrachloroethene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Chlorobenzene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 75-130 | 20 |
| 1,2-Dichloroethane | ND | 10 | 9.3 | 93 | 10 | 9.3 | 93 | 0 | 70-130 | 20 |
| 1,1,1-Trichloroethane | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 67-130 | 20 |
| Benzene | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 70-130 | 20 |
| Toluene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Ethylbenzene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Vinyl chloride | 9.4 | 10 | 20 | 106 | 10 | 20 | 106 | 0 | 55-140 | 20 |
| 1,1-Dichloroethene | ND | 10 | 13 | 130 | 10 | 13 | 130 | 0 | 61-145 | 20 |
| trans-1,2-Dichloroethene | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 70-130 | 20 |
| Trichloroethene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| 1,2-Dichlorobenzene | ND | 10 | 9.9 | 99 | 10 | 9.9 | 99 | 0 | 70-130 | 20 |
| 1,3-Dichlorobenzene | ND | 10 | 10 | 100 | 10 | 9.9 | 99 | 1 | 70-130 | 20 |
| 1,4-Dichlorobenzene | ND | 10 | 9.7 | 97 | 10 | 9.5 | 95 | 2 | 70-130 | 20 |
| Methyl tert butyl ether | 0.98J | 10 | 8.6 | 86 | 10 | 8.6 | 86 | 0 | 63-130 | 20 |
| p/m-Xylene | ND | 20 | 24 | 120 | 20 | 23 | 115 | 4 | 70-130 | 20 |
| o-Xylene | ND | 20 | 23 | 115 | 20 | 22 | 110 | 4 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 19 | 10 | 30 | 110 | 10 | 31 | 120 | 3 | 70-130 | 20 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-25I | Matrix : WATER |
| Lab Sample ID : L2253502-04 | Analysis Date : 10/01/22 12:45 |
| Matrix Spike : WG1694829-6 | MS Analysis Date : 10/01/22 17:39 |
| Matrix Spike Dup : WG1694829-7 | MSD Analysis Date : 10/01/22 17:58 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|------------------------|---------------------|---------------------|--------------------|-----|------------------------|--------------------|-----|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Acetone | ND | 10 | 9.1 | 91 | 10 | 9.6 | 96 | 5 | 58-148 | 20 |
| 2-Butanone | ND | 10 | 7.7 | 77 | 10 | 8.6 | 86 | 11 | 63-138 | 20 |
| n-Butylbenzene | ND | 10 | 10 | 100 | 10 | 9.4 | 94 | 6 | 53-136 | 20 |
| sec-Butylbenzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| tert-Butylbenzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| n-Propylbenzene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 69-130 | 20 |
| 1,3,5-Trimethylbenzene | ND | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 64-130 | 20 |
| 1,2,4-Trimethylbenzene | ND | 10 | 9.5 | 95 | 10 | 9.4 | 94 | 1 | 70-130 | 20 |
| 1,4-Dioxane | ND | 500 | 660 | 132 | 500 | 640 | 128 | 3 | 56-162 | 20 |



Method Blank Summary

Form 4

Volatiles

| | | | |
|---------------|---------------------------------|----------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1694829-5 | Lab File ID | : V30221001A05 |
| Instrument ID | : VOA130 | | |
| Matrix | : WATER | Analysis Date | : 10/01/22 10:32 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|-------------------|---------------|----------------|
| WG1694829-3LCS | WG1694829-3 | 10/01/22 09:34 |
| WG1694829-4LCSD | WG1694829-4 | 10/01/22 09:53 |
| MW-21 | L2253502-01 | 10/01/22 11:46 |
| MW-23 | L2253502-02 | 10/01/22 12:06 |
| MW-19 | L2253502-03 | 10/01/22 12:25 |
| MW-25I | L2253502-04 | 10/01/22 12:45 |
| MW-20 | L2253502-05 | 10/01/22 13:04 |
| MW-24I | L2253502-06 | 10/01/22 13:24 |
| MW-D2 | L2253502-07 | 10/01/22 13:44 |
| MW-D2I | L2253502-09 | 10/01/22 14:03 |
| MW-10 | L2253502-10D | 10/01/22 14:23 |
| DUP_09282022 | L2253502-12D | 10/01/22 14:42 |
| FB_09282022 | L2253502-11 | 10/01/22 15:02 |
| TB_09282022 | L2253502-13 | 10/01/22 15:22 |
| MW-25IMS | WG1694829-6 | 10/01/22 17:39 |
| MW-25IMSD | WG1694829-7 | 10/01/22 17:58 |



**Method Blank Summary
Form 4
Volatiles**

| | | | |
|----------------------|--|-----------------------|-------------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1694869-5 | Lab File ID | : VG221003A05 |
| Instrument ID | : GONZO | | |
| Matrix | : WATER | Analysis Date | : 10/03/22 11:09 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|--------------------------|----------------------|----------------------|
| WG1694869-3LCS | WG1694869-3 | 10/03/22 09:51 |
| WG1694869-4LCSD | WG1694869-4 | 10/03/22 10:17 |
| MW-20 | L2253502-05D | 10/03/22 12:53 |



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

| | | | |
|---------------|---------------------------------|----------------|---------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : GONZO | Analysis Date | : 07/27/22 13:46 |
| Tune Standard | : WG1668541-1 | Tune File ID | : VG220727NBF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 20.6 |
| 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 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.8 (.9)1 |
| 174 | Greater than 50.0% of mass 95 | 80.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.9 (7.3)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 79.1 (98)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.4 (6.8)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 | R1591985-1 | VG220727N04 | 07/27/22 15:30 |
| STD0.5PPB | R1591985-3 | VG220727N06 | 07/27/22 16:21 |
| STD2PPB | R1591985-2 | VG220727N08 | 07/27/22 17:14 |
| STD10PPB | R1591985-4 | VG220727N09 | 07/27/22 17:40 |
| STD30PPB | R1591985-5 | VG220727N10 | 07/27/22 18:06 |
| STD80PPB | R1591985-6 | VG220727N11 | 07/27/22 18:32 |
| STD120PPB | R1591985-7 | VG220727N12 | 07/27/22 18:58 |
| STD200PPB | R1591985-8 | VG220727N13 | 07/27/22 19:24 |



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

| | | | |
|---------------|---------------------------------|----------------|---------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : GONZO | Analysis Date | : 07/28/22 06:00 |
| Tune Standard | : WG1668541-2 | Tune File ID | : VG220728ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 20.3 |
| 75 | 30.0 - 80.0% of mass 95 | 48.4 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.8 (.9)1 |
| 174 | Greater than 50.0% of mass 95 | 82.6 |
| 175 | 5.0 - 9.0% of mass 174 | 6.1 (7.4)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 79.4 (96.1)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.3 (6.7)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 |
|--------------------------|---------------|-------------|--------------------|
| Correlation Data Summary | R1591985-9 | VG220728A03 | 07/28/22 07:03 |
| ICV Quant Report | R1591985-9 | VG220728A03 | 07/28/22 07:03 |



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

| | | | |
|---------------|---------------------------------|----------------|---------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : GONZO | Analysis Date | : 10/03/22 09:11 |
| Tune Standard | : WG1694869-1 | Tune File ID | : VG221003ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 22.3 |
| 75 | 30.0 - 80.0% of mass 95 | 49.3 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7 |
| 173 | Less than 2.0% of mass 174 | 0.7 (.8)1 |
| 174 | Greater than 50.0% of mass 95 | 82.6 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 (7.1)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 79.8 (96.5)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.2 (6.6)2 |

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

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|------------------|---------------|-------------|--------------------|
| WG1694869-2CCAL | WG1694869-2 | VG221003A02 | 10/03/22 09:51 |
| WG1694869-3LCS | WG1694869-3 | VG221003A02 | 10/03/22 09:51 |
| WG1694869-4LCSD | WG1694869-4 | VG221003A03 | 10/03/22 10:17 |
| WG1694869-5BLANK | WG1694869-5 | VG221003A05 | 10/03/22 11:09 |
| MW-20 | L2253502-05D | VG221003A09 | 10/03/22 12:53 |



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

| | | | |
|---------------|---------------------------------|----------------|----------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA130 | Analysis Date | : 08/19/22 13:23 |
| Tune Standard | : WG1678209-1 | Tune File ID | : V30220819ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 23.2 |
| 75 | 30.0 - 80.0% of mass 95 | 53.1 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.7 (.9)1 |
| 174 | Greater than 50.0% of mass 95 | 79.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 (7.3)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 77.2 (96.7)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.1 (6.6)2 |

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

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|------------------|---------------|--------------|--------------------|
| STD0.19PPB | R1601033-1 | V30220819A03 | 08/19/22 14:16 |
| STD0.5PPB | R1601033-2 | V30220819A04 | 08/19/22 14:35 |
| STD2PPB | R1601033-3 | V30220819A06 | 08/19/22 15:15 |
| STD10PPB | R1601033-4 | V30220819A08 | 08/19/22 15:54 |
| STD30PPB | R1601033-5 | V30220819A09 | 08/19/22 16:14 |
| STD80PPB | R1601033-6 | V30220819A10 | 08/19/22 16:33 |
| STD120PPB | R1601033-7 | V30220819A11 | 08/19/22 16:53 |
| STD200PPB | R1601033-8 | V30220819A12 | 08/19/22 17:12 |
| ICV Quant Report | R1601033-9 | V30220819A17 | 08/19/22 18:51 |



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

| | | | |
|---------------|---------------------------------|----------------|----------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA130 | Analysis Date | : 10/01/22 08:56 |
| Tune Standard | : WG1694829-1 | Tune File ID | : V30221001ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 80.0% of mass 95 | 51.4 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.8 (1)1 |
| 174 | Greater than 50.0% of mass 95 | 75.9 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 (7.4)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 73.1 (96.4)1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 (6.7)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 |
|------------------|---------------|--------------|--------------------|
| WG1694829-2CCAL | WG1694829-2 | V30221001A02 | 10/01/22 09:34 |
| WG1694829-3LCS | WG1694829-3 | V30221001A02 | 10/01/22 09:34 |
| WG1694829-4LCSD | WG1694829-4 | V30221001A03 | 10/01/22 09:53 |
| WG1694829-5BLANK | WG1694829-5 | V30221001A05 | 10/01/22 10:32 |
| MW-21 | L2253502-01 | V30221001A08 | 10/01/22 11:46 |
| MW-23 | L2253502-02 | V30221001A09 | 10/01/22 12:06 |
| MW-19 | L2253502-03 | V30221001A10 | 10/01/22 12:25 |
| MW-25I | L2253502-04 | V30221001A11 | 10/01/22 12:45 |
| MW-20 | L2253502-05 | V30221001A12 | 10/01/22 13:04 |
| MW-24I | L2253502-06 | V30221001A13 | 10/01/22 13:24 |
| MW-D2 | L2253502-07 | V30221001A14 | 10/01/22 13:44 |
| MW-D2I | L2253502-09 | V30221001A15 | 10/01/22 14:03 |
| MW-10 | L2253502-10D | V30221001A16 | 10/01/22 14:23 |
| DUP_09282022 | L2253502-12D | V30221001A17 | 10/01/22 14:42 |
| FB_09282022 | L2253502-11 | V30221001A18 | 10/01/22 15:02 |
| TB_09282022 | L2253502-13 | V30221001A19 | 10/01/22 15:22 |
| WG1694829-6MS | WG1694829-6 | V30221001A26 | 10/01/22 17:39 |
| WG1694829-7MSD | WG1694829-7 | V30221001A27 | 10/01/22 17:58 |



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA130
 Sample No : WG1694829-2

Lab Number : L2253502
 Project Number : 0047.0044Y047
 Analysis Date : 10/01/22 09:34:00
 Lab File ID : V30221001A02

| | Fluorobenzene (IS) | | Chlorobenzene-d5 | | 1,4-Dichlorobenzene-D4 | |
|-------------------|--------------------|------|------------------|------|------------------------|-------|
| | Area | RT | Area | RT | Area | RT |
| WG1694829-2 | 288309 | 5.48 | 231257 | 8.49 | 116817 | 9.98 |
| Upper Limit | 576618 | 5.98 | 462514 | 8.99 | 233634 | 10.48 |
| Lower Limit | 144155 | 4.98 | 115629 | 7.99 | 58409 | 9.48 |
| Sample ID | | | | | | |
| WG1694829-3 LCS | 288309 | 5.48 | 231257 | 8.49 | 116817 | 9.98 |
| WG1694829-4 LCSD | 280284 | 5.48 | 219361 | 8.49 | 113933 | 9.98 |
| WG1694829-5 BLANK | 231751 | 5.48 | 200394 | 8.49 | 104532 | 9.98 |
| MW-21 | 240988 | 5.48 | 202461 | 8.49 | 101426 | 9.98 |
| MW-23 | 233450 | 5.48 | 197748 | 8.49 | 102215 | 9.98 |
| MW-19 | 235185 | 5.48 | 195992 | 8.49 | 100801 | 9.98 |
| MW-25I | 236234 | 5.48 | 198076 | 8.49 | 99768 | 9.98 |
| MW-20 | 228997 | 5.48 | 188859 | 8.49 | 98523 | 9.98 |
| MW-24I | 229871 | 5.48 | 194881 | 8.49 | 99594 | 9.98 |
| MW-D2 | 223027 | 5.48 | 187659 | 8.49 | 94865 | 9.98 |
| MW-D2I | 238132 | 5.48 | 200501 | 8.49 | 105013 | 9.98 |
| MW-10 | 232687 | 5.48 | 191863 | 8.49 | 94635 | 9.98 |
| DUP_09282022 | 232103 | 5.48 | 191390 | 8.49 | 98087 | 9.98 |
| FB_09282022 | 223063 | 5.48 | 191478 | 8.49 | 97300 | 9.98 |
| TB_09282022 | 220200 | 5.48 | 190408 | 8.49 | 94708 | 9.98 |
| MW-25I MS | 268369 | 5.48 | 208169 | 8.49 | 108985 | 9.98 |
| MW-25I MSD | 263514 | 5.48 | 206159 | 8.49 | 105322 | 9.98 |

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

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : GONZO
Sample No : WG1694869-2

Lab Number : L2253502
Project Number : 0047.0044Y047
Analysis Date : 10/03/22 09:51:00
Lab File ID : VG221003A02

| | Fluorobenzene (IS) | | Chlorobenzene-d5 | | 1,4-Dichlorobenzene-D4 | |
|-------------------|--------------------|------|------------------|-------|------------------------|-------|
| | Area | RT | Area | RT | Area | RT |
| WG1694869-2 | 435298 | 6.22 | 345913 | 9.77 | 201700 | 12.43 |
| Upper Limit | 870596 | 6.72 | 691826 | 10.27 | 403400 | 12.93 |
| Lower Limit | 217649 | 5.72 | 172957 | 9.27 | 100850 | 11.93 |
| Sample ID | | | | | | |
| WG1694869-3 LCS | 435298 | 6.22 | 345913 | 9.77 | 201700 | 12.43 |
| WG1694869-4 LCSD | 442739 | 6.22 | 348585 | 9.77 | 202945 | 12.43 |
| WG1694869-5 BLANK | 427657 | 6.22 | 329678 | 9.77 | 180616 | 12.43 |
| MW-20 | 425663 | 6.22 | 329680 | 9.77 | 178791 | 12.43 |

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: 06/19/18
 Created By: Jason Hebert
 File: PM5049-1
 Page: 1

Volatile Organics - EPA 8260C (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 | 0.210 | 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 | | | |
| 1,3-Dichloropropene, Total | 542-75-6 | 0.5 | 0.144 | ug/l | | | | 20 | 20 | | | |
| 1,1-Dichloropropene | 563-58-6 | 2.5 | 0.240 | 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 | 0.200 | 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 | | | |
| 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 | 0.330 | ug/l | | | | 20 | 20 | | | |
| Xylene (Total) | 1330-20-7 | 1 | 0.330 | 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 | | | |

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.



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Date Created: 06/19/18
 Created By: Jason Hebert
 File: PM5049-1
 Page: 2

Volatile Organics - EPA 8260C (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 | | |
|-----------------------------|----------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| 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 | | | |
| 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 | 0.430 | 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 | 0.220 | 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 | | | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 2 | 0.141 | ug/l | 70-130 | 20 | 70-130 | 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 | | | |
| Methyl Acetate | 79-20-9 | 10 | 0.234 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Ethyl Acetate | 141-78-6 | 10 | 0.716 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Isopropyl Ether | 108-20-3 | 2 | 0.425 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Cyclohexane | 110-82-7 | 10 | 0.271 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Ethyl-Tert-Butyl-Ether | 637-92-3 | 2 | 0.179 | 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.



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Volatile Organics - EPA 8260C (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 | | |
|---------------------------------------|-------------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|---------------|
| Tertiary-Amyl Methyl Ether | 994-05-8 | 2 | 0.278 | ug/l | 66-130 | 20 | 66-130 | 20 | 20 | | | |
| 1,4-Dioxane | 123-91-1 | 250 | 60.8 | ug/l | 56-162 | 20 | 56-162 | 20 | 20 | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 10 | 0.148 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Methyl cyclohexane | 108-87-2 | 10 | 0.396 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 1,4-Diethylbenzene | 105-05-5 | 2 | 0.392 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 4-Ethyltoluene | 622-96-8 | 2 | 0.340 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 1,2,4,5-Tetramethylbenzene | 95-93-2 | 2 | 0.542 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| <i>1,2-Dichloroethane-d4</i> | <i>17060-07-0</i> | | | | | | | | | | | <i>70-130</i> |
| <i>Toluene-d8</i> | <i>2037-26-5</i> | | | | | | | | | | | <i>70-130</i> |
| <i>4-Bromofluorobenzene</i> | <i>460-00-4</i> | | | | | | | | | | | <i>70-130</i> |
| <i>Dibromofluoromethane</i> | <i>1868-53-7</i> | | | | | | | | | | | <i>70-130</i> |
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Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/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: 06/19/18
 Created By: Jason Hebert
 File: PM5047-1
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| 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 | 0.140 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Carbon tetrachloride | 56-23-5 | 1 | 0.230 | 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 | 0.140 | 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 | |
| 1,3-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 | 0.560 | 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 | |
| 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 | |
| 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 | |

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 File: PM5047-1
 Page: 2

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|-----------------------------|----------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| 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 | |
| Dichlorodifluoromethane | 75-71-8 | 10 | 0.915 | ug/kg | 30-146 | 30 | 30-146 | 30 | 30 | |
| Acetone | 67-64-1 | 10 | 4.81 | 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 | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 2 | 0.173 | ug/kg | 70-139 | 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 | 0.650 | 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 | |
| iso-Propyl Alcohol | 67-63-0 | 100 | 100 | ug/kg | 70-130 | 20 | 70-130 | 20 | 20 | |
| Ethyl ether | 60-29-7 | 2 | 0.341 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Methyl Acetate | 79-20-9 | 4 | 0.950 | ug/kg | 65-130 | 30 | 65-130 | 30 | 30 | |
| Ethyl Acetate | 141-78-6 | 10 | 1.21 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Isopropyl Ether | 108-20-3 | 2 | 0.213 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| Cyclohexane | 110-82-7 | 10 | 0.544 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |

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 Created By: Jason Hebert
 File: PM5047-1
 Page: 3

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|---------------------------------------|------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| Ethyl-Tert-Butyl-Ether | 637-92-3 | 2 | 0.128 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Tertiary-Amyl Methyl Ether | 994-05-8 | 2 | 0.176 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,4-Dioxane | 123-91-1 | 100 | 35.1 | ug/kg | 65-136 | 30 | 65-136 | 30 | 30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 4 | 0.693 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dichloroethane-d4 | 17060-07-0 | | | | | | | | | 70-130 |
| Toluene-d8 | 2037-26-5 | | | | | | | | | 70-130 |
| 4-Bromofluorobenzene | 460-00-4 | | | | | | | | | 70-130 |
| Dibromofluoromethane | 1868-53-7 | | | | | | | | | 70-130 |
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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|----------------------------|-------------|-----|------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| Methylene chloride | 75-09-2 | 250 | 115 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,1-Dichloroethane | 75-34-3 | 50 | 7.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Chloroform | 67-66-3 | 75 | 7.00 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Carbon tetrachloride | 56-23-5 | 50 | 11.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dichloropropane | 78-87-5 | 50 | 6.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Dibromochloromethane | 124-48-1 | 50 | 7.00 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,1,2-Trichloroethane | 79-00-5 | 50 | 13.4 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Tetrachloroethene | 127-18-4 | 25 | 9.80 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Chlorobenzene | 108-90-7 | 25 | 6.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Trichlorofluoromethane | 75-69-4 | 200 | 34.8 | ug/kg | 70-139 | 30 | 70-139 | 30 | 30 | |
| 1,2-Dichloroethane | 107-06-2 | 50 | 12.9 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,1,1-Trichloroethane | 71-55-6 | 25 | 8.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromodichloromethane | 75-27-4 | 25 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| trans-1,3-Dichloropropene | 10061-02-6 | 50 | 13.7 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| cis-1,3-Dichloropropene | 10061-01-5 | 25 | 7.90 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3-Dichloropropene, Total | 542-75-6 | 25 | 7.90 | ug/kg | | | | 30 | 30 | |
| 1,3-Dichloropropene, Total | 542-75-6 | 25 | 7.90 | ug/kg | | | | 30 | 30 | |
| 1,1-Dichloropropene | 563-58-6 | 25 | 7.95 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromoform | 75-25-2 | 200 | 12.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 25 | 8.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Benzene | 71-43-2 | 25 | 8.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Toluene | 108-88-3 | 50 | 27.2 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Ethylbenzene | 100-41-4 | 50 | 7.05 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Chloromethane | 74-87-3 | 200 | 46.6 | ug/kg | 52-130 | 30 | 52-130 | 30 | 30 | |
| Bromomethane | 74-83-9 | 100 | 29.1 | ug/kg | 57-147 | 30 | 57-147 | 30 | 30 | |
| Vinyl chloride | 75-01-4 | 50 | 16.8 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Chloroethane | 75-00-3 | 100 | 22.6 | ug/kg | 50-151 | 30 | 50-151 | 30 | 30 | |
| 1,1-Dichloroethene | 75-35-4 | 50 | 11.9 | ug/kg | 65-135 | 30 | 65-135 | 30 | 30 | |
| trans-1,2-Dichloroethene | 156-60-5 | 75 | 6.85 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Trichloroethene | 79-01-6 | 25 | 6.85 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dichlorobenzene | 95-50-1 | 100 | 7.20 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3-Dichlorobenzene | 541-73-1 | 100 | 7.40 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,4-Dichlorobenzene | 106-46-7 | 100 | 8.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Methyl tert butyl ether | 1634-04-4 | 100 | 10.1 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| p/m-Xylene | 179601-23-1 | 100 | 28.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| o-Xylene | 95-47-6 | 50 | 14.6 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Xylene (Total) | 1330-20-7 | 50 | 14.6 | ug/kg | | | | 30 | 30 | |
| Xylene (Total) | 1330-20-7 | 50 | 14.6 | ug/kg | | | | 30 | 30 | |
| cis-1,2-Dichloroethene | 156-59-2 | 50 | 8.75 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dichloroethene (total) | 540-59-0 | 50 | 6.85 | ug/kg | | | | 30 | 30 | |
| 1,2-Dichloroethene (total) | 540-59-0 | 50 | 6.85 | ug/kg | | | | 30 | 30 | |
| Dibromomethane | 74-95-3 | 100 | 11.9 | 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.



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Date Created: 06/19/18
 Created By: Jason Hebert
 File: PM5048-1
 Page: 2

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|-----------------------------|----------|------|------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| 1,4-Dichlorobutane | 110-56-5 | 500 | 11.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,3-Trichloropropane | 96-18-4 | 100 | 6.35 | ug/kg | 68-130 | 30 | 68-130 | 30 | 30 | |
| Styrene | 100-42-5 | 50 | 9.80 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Dichlorodifluoromethane | 75-71-8 | 500 | 45.8 | ug/kg | 30-146 | 30 | 30-146 | 30 | 30 | |
| Acetone | 67-64-1 | 500 | 241 | ug/kg | 54-140 | 30 | 54-140 | 30 | 30 | |
| Carbon disulfide | 75-15-0 | 500 | 228 | ug/kg | 59-130 | 30 | 59-130 | 30 | 30 | |
| 2-Butanone | 78-93-3 | 500 | 111 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Vinyl acetate | 108-05-4 | 500 | 108 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 4-Methyl-2-pentanone | 108-10-1 | 500 | 64.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 2-Hexanone | 591-78-6 | 500 | 59.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Ethyl methacrylate | 97-63-2 | 500 | 79.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Acrylonitrile | 107-13-1 | 200 | 57.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromochloromethane | 74-97-5 | 100 | 10.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Tetrahydrofuran | 109-99-9 | 200 | 79.5 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| 2,2-Dichloropropane | 594-20-7 | 100 | 10.1 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dibromoethane | 106-93-4 | 50 | 14.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3-Dichloropropane | 142-28-9 | 100 | 8.35 | ug/kg | 69-130 | 30 | 69-130 | 30 | 30 | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 25 | 6.60 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromobenzene | 108-86-1 | 100 | 7.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| n-Butylbenzene | 104-51-8 | 50 | 8.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| sec-Butylbenzene | 135-98-8 | 50 | 7.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| tert-Butylbenzene | 98-06-6 | 100 | 5.90 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 100 | 8.65 | ug/kg | 70-139 | 30 | 70-130 | 30 | 30 | |
| o-Chlorotoluene | 95-49-8 | 100 | 9.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| p-Chlorotoluene | 106-43-4 | 100 | 5.40 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 150 | 49.9 | ug/kg | 68-130 | 30 | 68-130 | 30 | 30 | |
| Hexachlorobutadiene | 87-68-3 | 200 | 8.45 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Isopropylbenzene | 98-82-8 | 50 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| p-Isopropyltoluene | 99-87-6 | 50 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Naphthalene | 91-20-3 | 200 | 32.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| n-Propylbenzene | 103-65-1 | 50 | 8.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,3-Trichlorobenzene | 87-61-6 | 100 | 16.1 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 100 | 13.6 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 100 | 9.65 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 100 | 16.7 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 250 | 71.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| iso-Propyl Alcohol | 67-63-0 | 5000 | 5000 | ug/kg | 70-130 | 20 | 70-130 | 20 | 20 | |
| Ethyl ether | 60-29-7 | 100 | 17.1 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Methyl Acetate | 79-20-9 | 200 | 47.5 | ug/kg | 65-130 | 30 | 65-130 | 30 | 30 | |
| Ethyl Acetate | 141-78-6 | 500 | 60.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Isopropyl Ether | 108-20-3 | 100 | 10.7 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| Cyclohexane | 110-82-7 | 500 | 27.2 | 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.



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Date Created: 06/19/18
 Created By: Jason Hebert
 File: PM5048-1
 Page: 3

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|---------------------------------------|------------|------|------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| Ethyl-Tert-Butyl-Ether | 637-92-3 | 100 | 6.40 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Tertiary-Amyl Methyl Ether | 994-05-8 | 100 | 8.80 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,4-Dioxane | 123-91-1 | 5000 | 1755 | ug/kg | 65-136 | 30 | 65-136 | 30 | 30 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 200 | 34.7 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dichloroethane-d4 | 17060-07-0 | | | | | | | | | 70-130 |
| Toluene-d8 | 2037-26-5 | | | | | | | | | 70-130 |
| 4-Bromofluorobenzene | 460-00-4 | | | | | | | | | 70-130 |
| Dibromofluoromethane | 1868-53-7 | | | | | | | | | 70-130 |
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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.



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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-01 | Date Collected | : 09/28/22 12:30 |
| Client ID | : MW-21 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 11:46 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A08 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 0.35 | 0.50 | 0.18 | J |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 10 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | 0.22 | 0.50 | 0.17 | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.30 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 31 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 31 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-01 | Date Collected : 09/28/22 12:30 |
| Client ID : MW-21 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 11:46 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A08 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-02 | Date Collected : 09/28/22 11:37 |
| Client ID : MW-23 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 12:06 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A09 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 0.26 | 0.50 | 0.18 | J |
| 108-90-7 | Chlorobenzene | 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 |
| 71-43-2 | Benzene | 0.17 | 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 |
| 75-01-4 | Vinyl chloride | 0.11 | 1.0 | 0.07 | J |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.35 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 2.9 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 2.9 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-02 | Date Collected | : 09/28/22 11:37 |
| Client ID | : MW-23 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 12:06 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A09 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-03 | Date Collected : 09/28/22 12:20 |
| Client ID : MW-19 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 12:25 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A10 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.5 | 0.70 | U |
| 67-66-3 | Chloroform | 1.0 | 2.5 | 0.70 | J |
| 56-23-5 | Carbon tetrachloride | ND | 0.50 | 0.13 | U |
| 127-18-4 | Tetrachloroethene | 4.6 | 0.50 | 0.18 | |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.95 | 0.50 | 0.18 | |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.9 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 5.9 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-03 | Date Collected | : 09/28/22 12:20 |
| Client ID | : MW-19 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 12:25 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A10 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-04 | Date Collected : 09/28/22 10:45 |
| Client ID : MW-25I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 12:45 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A11 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 9.4 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 | 0.98 | 2.5 | 0.70 | J |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 19 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 19 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-04 | Date Collected | : 09/28/22 10:45 |
| Client ID | : MW-25I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 12:45 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A11 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-05 | Date Collected : 09/28/22 10:00 |
| Client ID : MW-20 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 13:04 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A12 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 100 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 100 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-05 | Date Collected | : 09/28/22 10:00 |
| Client ID | : MW-20 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 13:04 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A12 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-05D | Date Collected | : 09/28/22 10:00 |
| Client ID | : MW-20 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/03/22 12:53 |
| Sample Matrix | : WATER | Dilution Factor | : 10 |
| Analytical Method | : 1,8260C | Analyst | : PD |
| Lab File ID | : VG221003A09 | Instrument ID | : GONZO |
| Sample Amount | : 1 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|----------------|---------|----|------|-----------|
| | | Results | RL | MDL | |
| 75-01-4 | Vinyl chloride | 560 | 10 | 0.71 | |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-06 | Date Collected : 09/28/22 08:55 |
| Client ID : MW-24I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 13:24 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A13 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 35 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6.8 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 6.8 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-06 | Date Collected : 09/28/22 08:55 |
| Client ID : MW-24I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 13:24 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A13 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-07 | Date Collected | : 09/28/22 10:05 |
| Client ID | : MW-D2 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 13:44 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A14 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 0.19 | 0.50 | 0.18 | J |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 110 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.31 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6.2 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 6.2 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | 2.0 | 5.0 | 1.5 | J |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-07 | Date Collected | : 09/28/22 10:05 |
| Client ID | : MW-D2 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 13:44 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A14 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-09 | Date Collected | : 09/28/22 09:10 |
| Client ID | : MW-D2I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 14:03 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A15 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 10 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 7.7 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 7.7 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | 39 | 5.0 | 1.5 | |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-09 | Date Collected | : 09/28/22 09:10 |
| Client ID | : MW-D2I | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 14:03 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A15 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | 53 | 5.0 | 1.9 | |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-10D | Date Collected : 09/28/22 11:05 |
| Client ID : MW-10 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 14:23 |
| Sample Matrix : WATER | Dilution Factor : 2 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A16 | Instrument ID : VOA130 |
| Sample Amount : 5 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 5.0 | 1.4 | U |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | 1.4 | U |
| 67-66-3 | Chloroform | ND | 5.0 | 1.4 | U |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.27 | U |
| 127-18-4 | Tetrachloroethene | 9.7 | 1.0 | 0.36 | |
| 108-90-7 | Chlorobenzene | ND | 5.0 | 1.4 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.26 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | 1.4 | U |
| 71-43-2 | Benzene | ND | 1.0 | 0.32 | U |
| 108-88-3 | Toluene | ND | 5.0 | 1.4 | U |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 1.4 | U |
| 75-01-4 | Vinyl chloride | 89 | 2.0 | 0.14 | |
| 75-35-4 | 1,1-Dichloroethene | 0.42 | 1.0 | 0.34 | J |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | 1.4 | U |
| 79-01-6 | Trichloroethene | 4.4 | 1.0 | 0.35 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 5.0 | 1.4 | U |
| 179601-23-1 | p/m-Xylene | ND | 5.0 | 1.4 | U |
| 95-47-6 | o-Xylene | ND | 5.0 | 1.4 | U |
| 1330-20-7 | Xylenes, Total | ND | 5.0 | 1.4 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 290 | 5.0 | 1.4 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 290 | 5.0 | 1.4 | |
| 67-64-1 | Acetone | ND | 10 | 2.9 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-10D | Date Collected | : 09/28/22 11:05 |
| Client ID | : MW-10 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 14:23 |
| Sample Matrix | : WATER | Dilution Factor | : 2 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A16 | Instrument ID | : VOA130 |
| Sample Amount | : 5 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 10 | 3.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 1.4 | U |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 1.4 | U |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 1.4 | U |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 1.4 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 1.4 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 1.4 | U |
| 123-91-1 | 1,4-Dioxane | ND | 500 | 120 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-11 | Date Collected : 09/28/22 11:01 |
| Client ID : FB_09282022 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 15:02 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A18 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-11 | Date Collected | : 09/28/22 11:01 |
| Client ID | : FB_09282022 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 15:02 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A18 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-12D | Date Collected : 09/28/22 12:00 |
| Client ID : DUP_09282022 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 14:42 |
| Sample Matrix : WATER | Dilution Factor : 2 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A17 | Instrument ID : VOA130 |
| Sample Amount : 5 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 5.0 | 1.4 | U |
| 75-34-3 | 1,1-Dichloroethane | ND | 5.0 | 1.4 | U |
| 67-66-3 | Chloroform | ND | 5.0 | 1.4 | U |
| 56-23-5 | Carbon tetrachloride | ND | 1.0 | 0.27 | U |
| 127-18-4 | Tetrachloroethene | 9.8 | 1.0 | 0.36 | |
| 108-90-7 | Chlorobenzene | ND | 5.0 | 1.4 | U |
| 107-06-2 | 1,2-Dichloroethane | ND | 1.0 | 0.26 | U |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 5.0 | 1.4 | U |
| 71-43-2 | Benzene | ND | 1.0 | 0.32 | U |
| 108-88-3 | Toluene | ND | 5.0 | 1.4 | U |
| 100-41-4 | Ethylbenzene | ND | 5.0 | 1.4 | U |
| 75-01-4 | Vinyl chloride | 86 | 2.0 | 0.14 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 1.0 | 0.34 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 5.0 | 1.4 | U |
| 79-01-6 | Trichloroethene | 4.3 | 1.0 | 0.35 | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 541-73-1 | 1,3-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 106-46-7 | 1,4-Dichlorobenzene | ND | 5.0 | 1.4 | U |
| 1634-04-4 | Methyl tert butyl ether | ND | 5.0 | 1.4 | U |
| 179601-23-1 | p/m-Xylene | ND | 5.0 | 1.4 | U |
| 95-47-6 | o-Xylene | ND | 5.0 | 1.4 | U |
| 1330-20-7 | Xylenes, Total | ND | 5.0 | 1.4 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 280 | 5.0 | 1.4 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 280 | 5.0 | 1.4 | |
| 67-64-1 | Acetone | ND | 10 | 2.9 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-12D | Date Collected | : 09/28/22 12:00 |
| Client ID | : DUP_09282022 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 14:42 |
| Sample Matrix | : WATER | Dilution Factor | : 2 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A17 | Instrument ID | : VOA130 |
| Sample Amount | : 5 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 10 | 3.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 5.0 | 1.4 | U |
| 135-98-8 | sec-Butylbenzene | ND | 5.0 | 1.4 | U |
| 98-06-6 | tert-Butylbenzene | ND | 5.0 | 1.4 | U |
| 103-65-1 | n-Propylbenzene | ND | 5.0 | 1.4 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 5.0 | 1.4 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 5.0 | 1.4 | U |
| 123-91-1 | 1,4-Dioxane | ND | 500 | 120 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-13 | Date Collected : 09/26/22 00:00 |
| Client ID : TB_09282022 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/01/22 15:22 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : MKS |
| Lab File ID : V30221001A19 | Instrument ID : VOA130 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2253502-13 | Date Collected | : 09/26/22 00:00 |
| Client ID | : TB_09282022 | Date Received | : 09/28/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 10/01/22 15:22 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : MKS |
| Lab File ID | : V30221001A19 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1694829-5 | Date Collected | : NA |
| Client ID | : WG1694829-5BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 10/01/22 10:32 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : TMS |
| Lab File ID | : V30221001A05 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1694829-5 | Date Collected | : NA |
| Client ID | : WG1694829-5BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 10/01/22 10:32 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : TMS |
| Lab File ID | : V30221001A05 | Instrument ID | : VOA130 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1694869-5 | Date Collected | : NA |
| Client ID | : WG1694869-5BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 10/03/22 11:09 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260C | Analyst | : PD |
| Lab File ID | : VG221003A05 | Instrument ID | : GONZO |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|--------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1694869-5 | Date Collected : NA |
| Client ID : WG1694869-5BLANK | Date Received : NA |
| Sample Location : | Date Analyzed : 10/03/22 11:09 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260C | Analyst : PD |
| Lab File ID : VG221003A05 | Instrument ID : GONZO |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A08.D
 Acq On : 01 Oct 2022 11:46 am
 Operator : VOA130:MKS
 Sample : 12253502-01,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 03 08:59:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.484 | 96 | 240988 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 83.59% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 202461 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 87.55% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 101426 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 86.82% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.483 | 113 | 67549 | 10.614 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 106.14% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 53719 | 7.688 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 76.88% | | | |
| 60) Toluene-d8 | 7.194 | 98 | 254013 | 9.659 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.59% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 94146 | 9.790 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.90% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.109 | 62 | 57607 | 10.259 | ug/L | | 94 |
| 10) 1,1-Dichloroethene | 1.848 | 96 | 989M1 | 0.216 | ug/L | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 2.481 | 96 | 789 | 0.159 | ug/L # | | 48 |
| 20) Methyl tert-butyl ether | 2.628 | 73 | 97 | N.D. | | | |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 3370 | 0.340 | ug/L # | | 52 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 178624 | 31.327 | ug/L # | | 74 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 4.951 | 78 | 556 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.225 | 62 | 27 | N.D. | | | |
| 48) Trichloroethene | 5.682 | 95 | 1608M1 | 0.302 | ug/L | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.235 | 92 | 110 | N.D. | | | |
| 63) Tetrachloroethene | 7.592 | 166 | 2187 | 0.351 | ug/L | | 91 |
| 73) Chlorobenzene | 8.504 | 112 | 74 | N.D. | | | |
| 74) Ethylbenzene | 8.496 | 91 | 474 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A08.D
 Acq On : 01 Oct 2022 11:46 am
 Operator : VOA130:MKS
 Sample : 12253502-01,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 03 08:59:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 8.658 | 106 | 34 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.316 | 91 | 424 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 9.932 | 146 | 35 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 9.985 | 146 | 570 | | | N.D. |
| 103) n-Butylbenzene | 9.977 | 91 | 263 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 10.233 | 146 | 197 | | | N.D. |

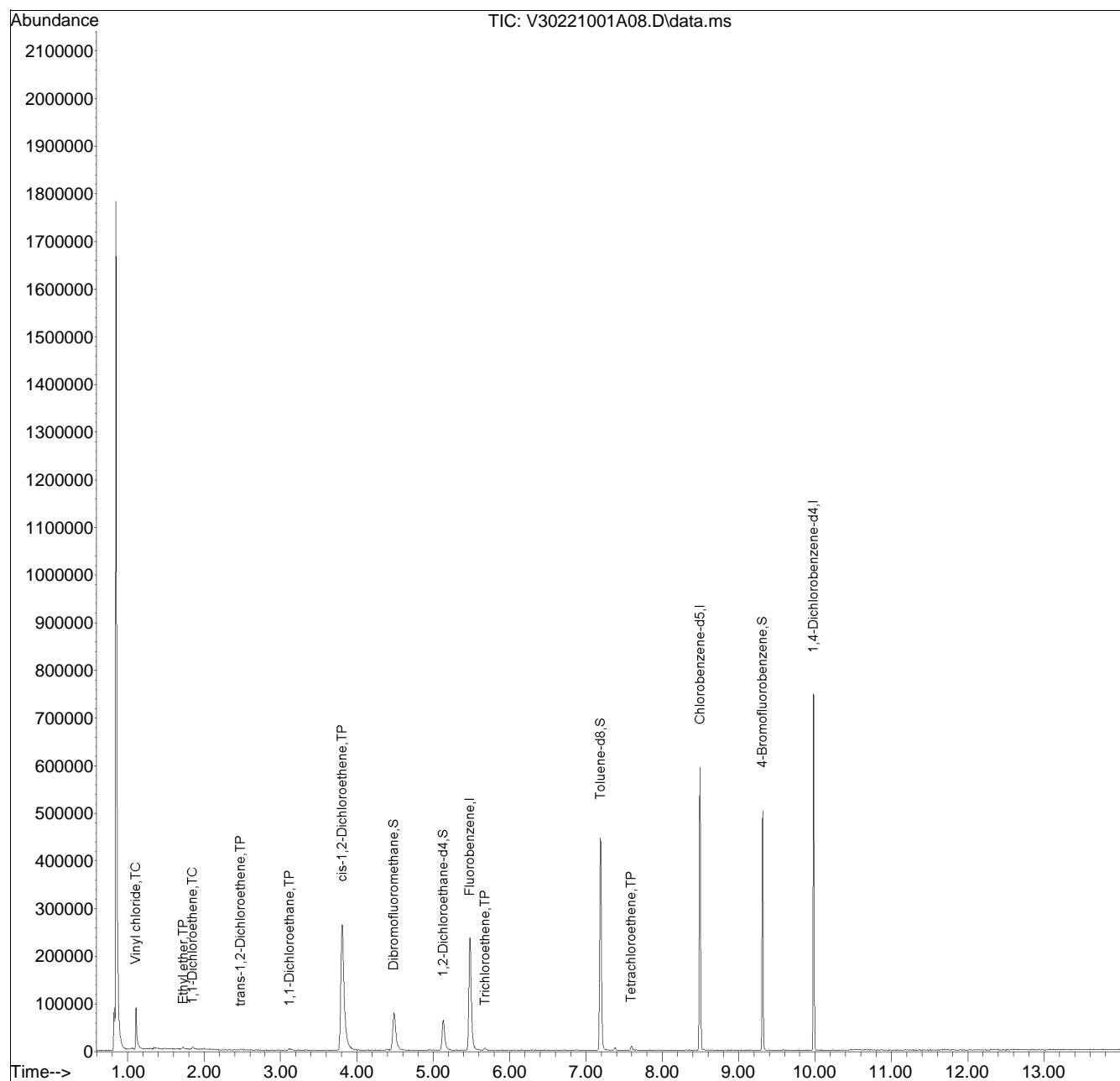
(#) = qualifier out of range (m) = manual integration (+) = signals summed

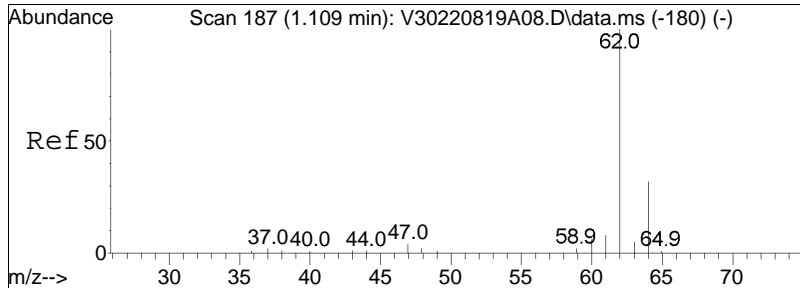
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A08.D
 Acq On : 01 Oct 2022 11:46 am
 Operator : VOA130:MKS
 Sample : 12253502-01,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 03 08:59:33 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

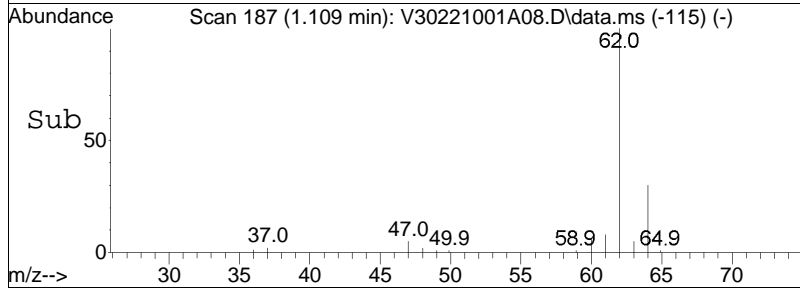
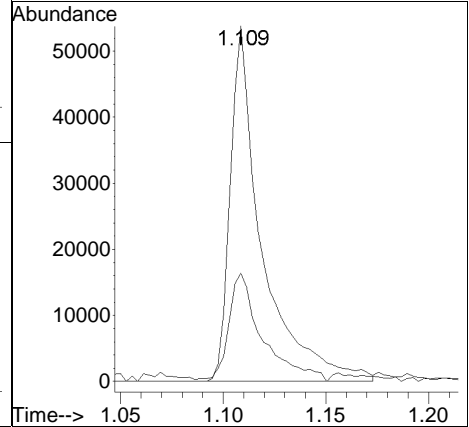
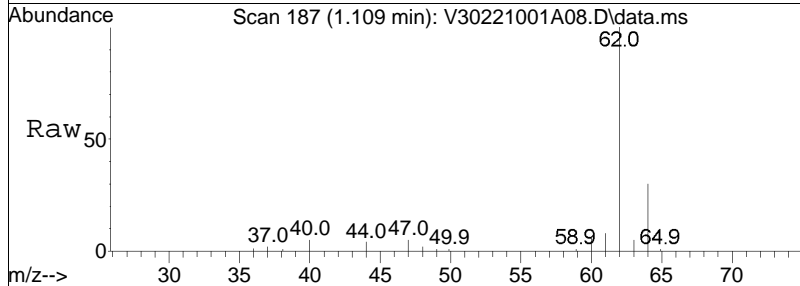
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

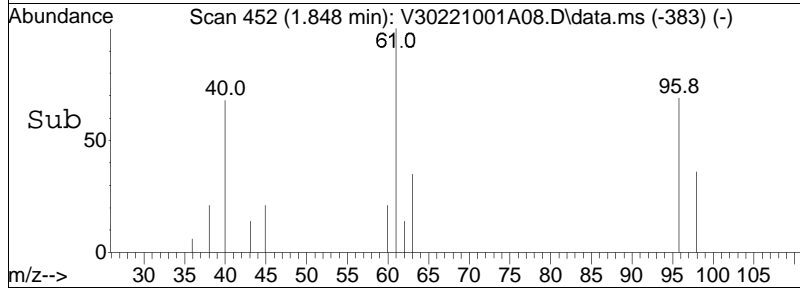
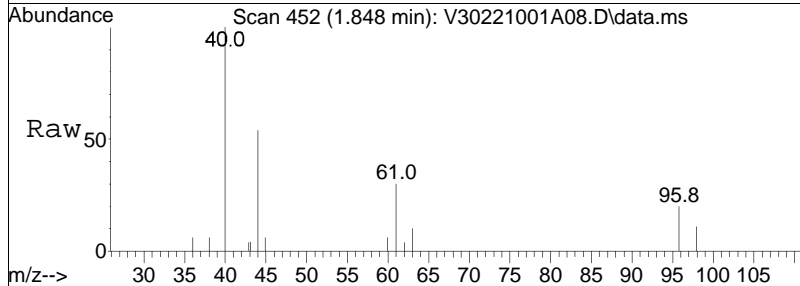
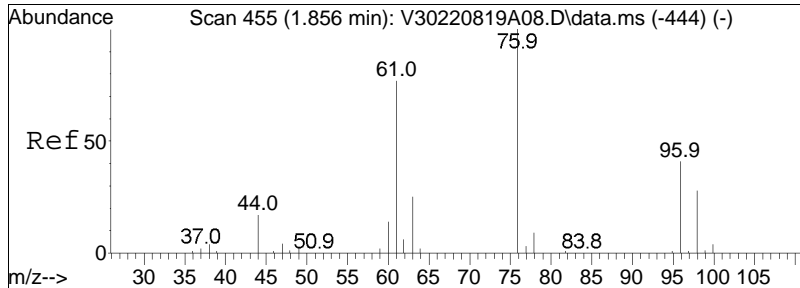




#4
 Vinyl chloride
 Concen: 10.26 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

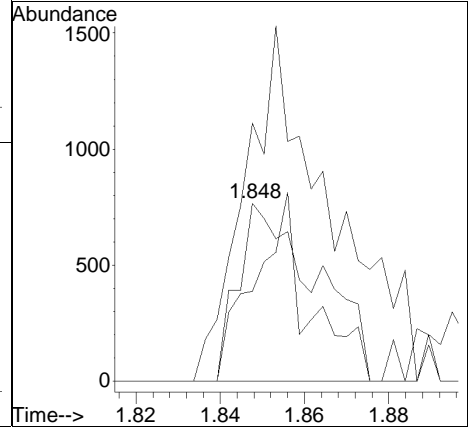
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.2 | 9.1 | 49.1 |

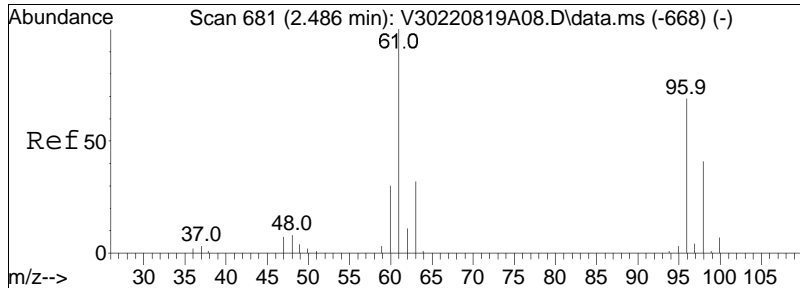




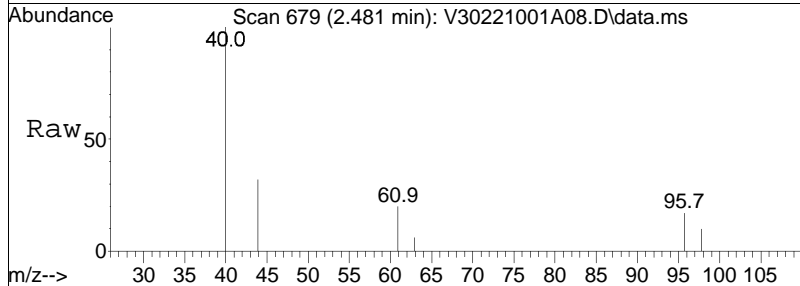
#10
 1,1-Dichloroethene
 Concen: 0.22 ug/L M1
 RT: 1.848 min Scan# 452
 Delta R.T. -0.008 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 216.7 | 186.1 | 279.1 |
| 63 | 57.8 | 57.6 | 86.4 |

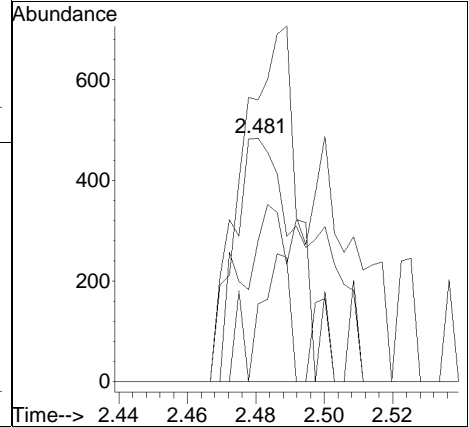
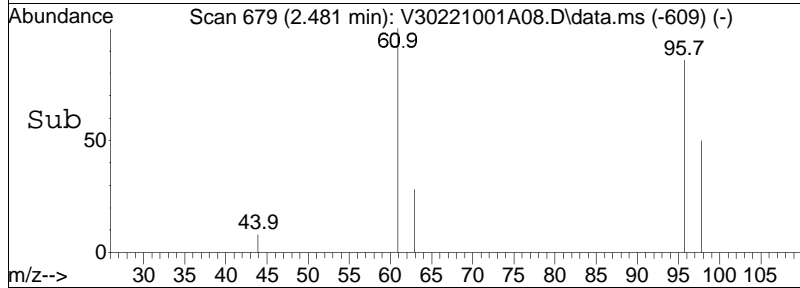


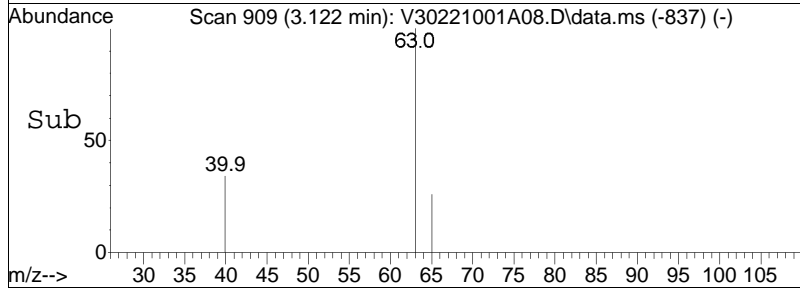
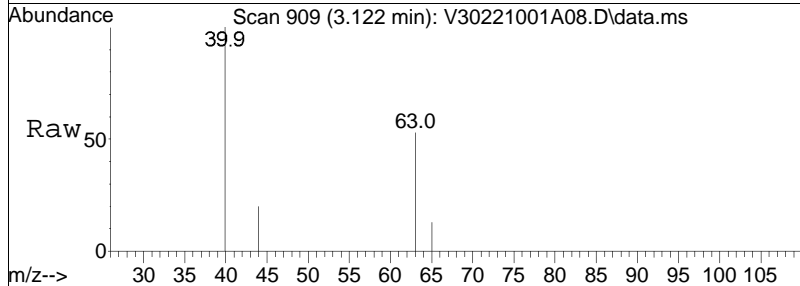
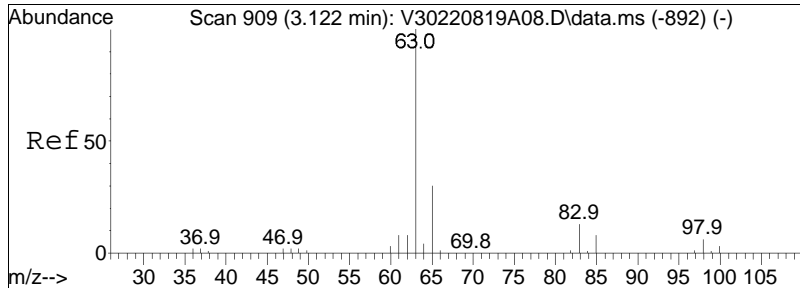


#18
 trans-1,2-Dichloroethene
 Concen: 0.16 ug/L
 RT: 2.481 min Scan# 679
 Delta R.T. -0.005 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am



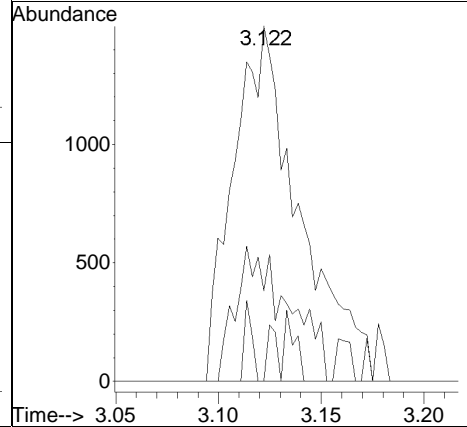
| Tgt Ion: | Resp: | | |
|----------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 96 | 100 | | |
| 61 | 95.9 | 124.0 | 257.6# |
| 98 | 56.4 | 41.2 | 85.6 |
| 63 | 17.4 | 38.4 | 79.7# |

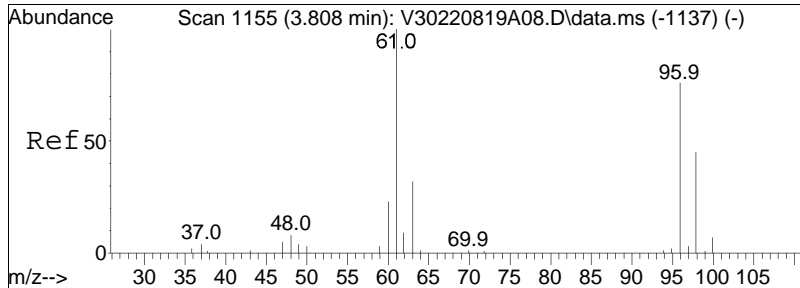




#23
 1,1-Dichloroethane
 Concen: 0.34 ug/L
 RT: 3.122 min Scan# 909
 Delta R.T. 0.000 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

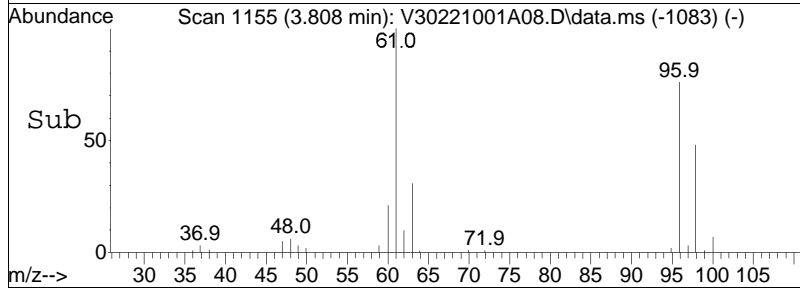
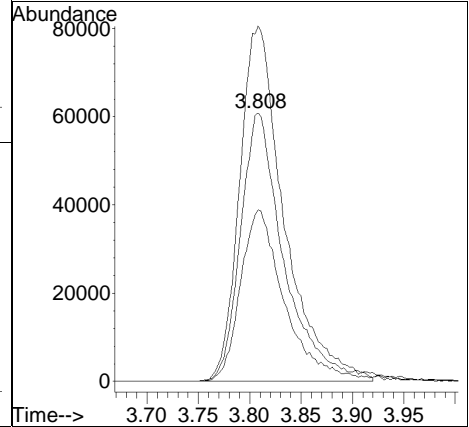
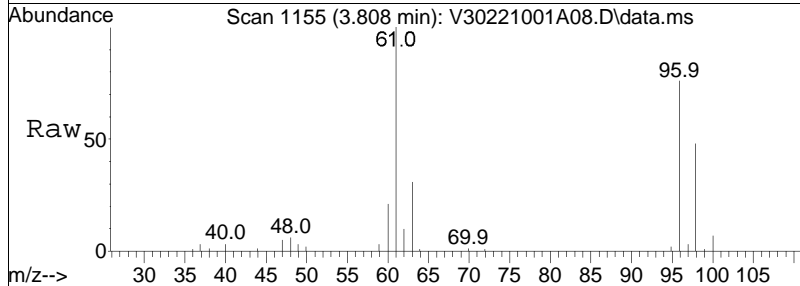
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 63 | 100 | | |
| 65 | 0.0 | 11.0 | 51.0# |
| 83 | 2.2 | 0.0 | 31.8 |

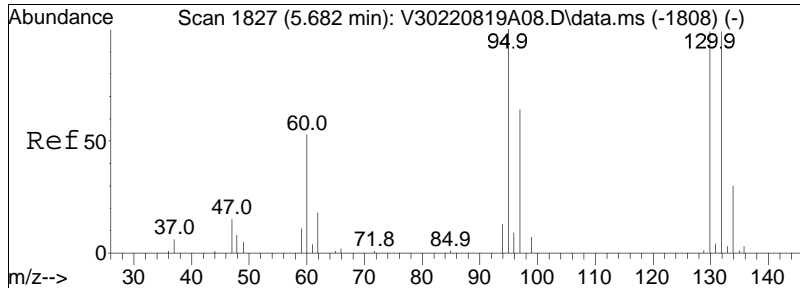




#28
 cis-1,2-Dichloroethene
 Concen: 31.33 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

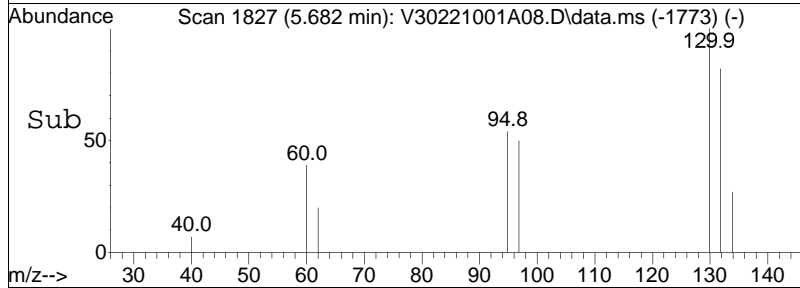
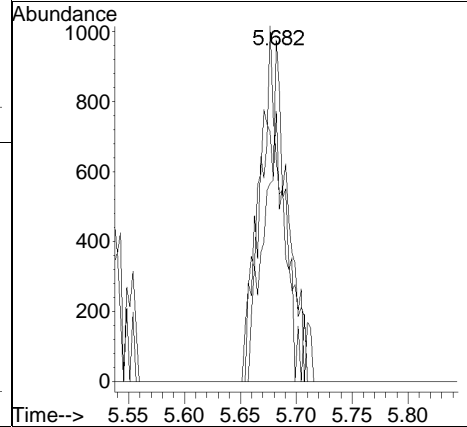
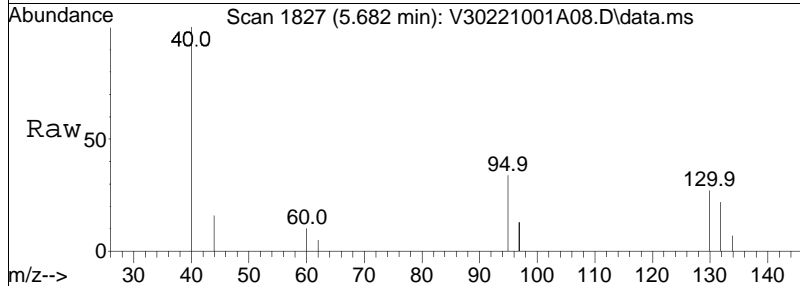
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.7 | 149.4 | 224.2# |
| 98 | 64.6 | 53.4 | 80.2 |

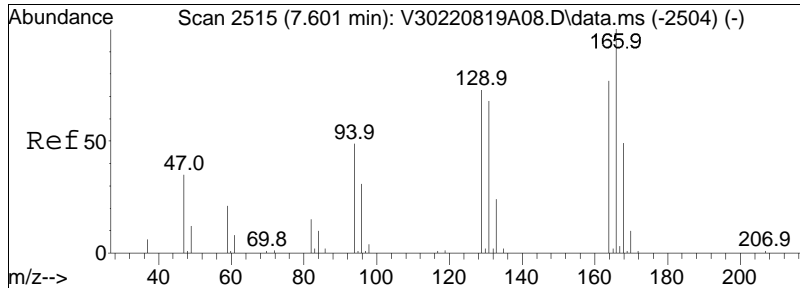




#48
 Trichloroethene
 Concen: 0.30 ug/L M1
 RT: 5.682 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

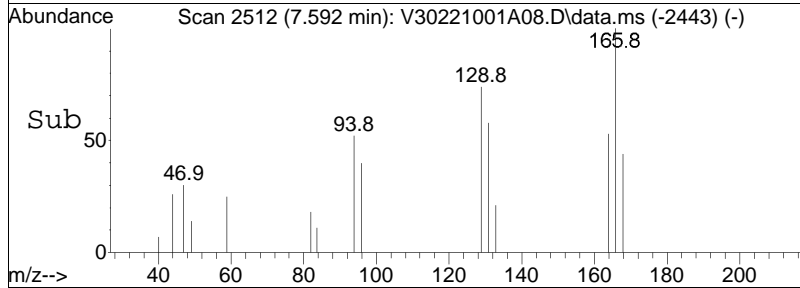
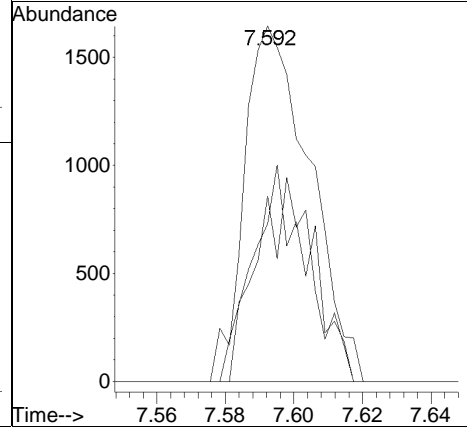
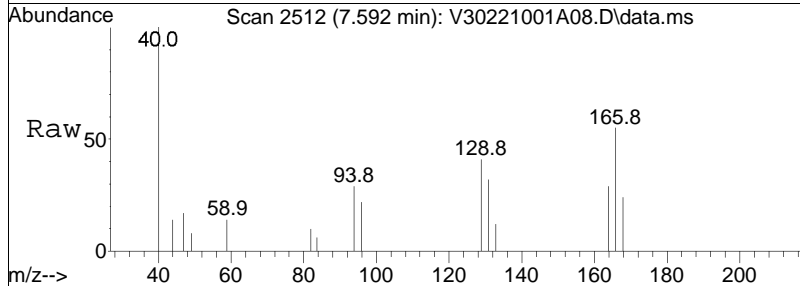
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 1608 | | |
| 95 | 100 | | |
| 97 | 64.9 | 55.5 | 83.3 |
| 132 | 95.0 | 76.6 | 115.0 |





#63
 Tetrachloroethene
 Concen: 0.35 ug/L
 RT: 7.592 min Scan# 2512
 Delta R.T. -0.009 min
 Lab File: V30221001A08.D
 Acq: 01 Oct 2022 11:46 am

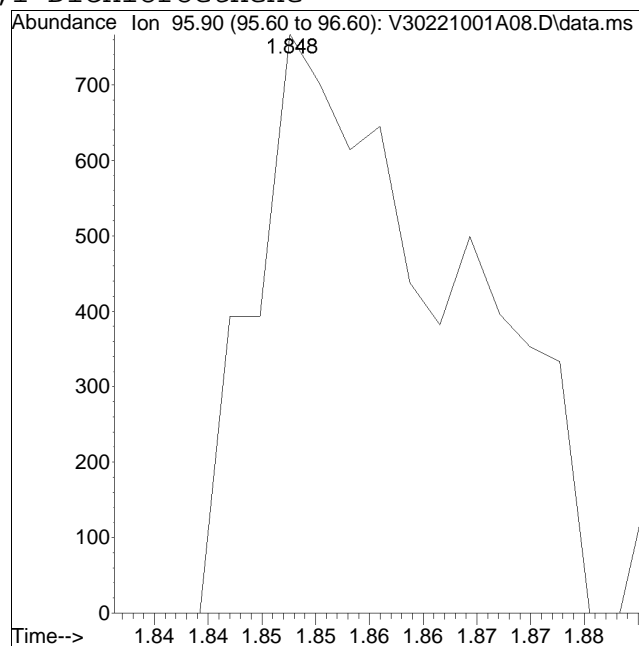
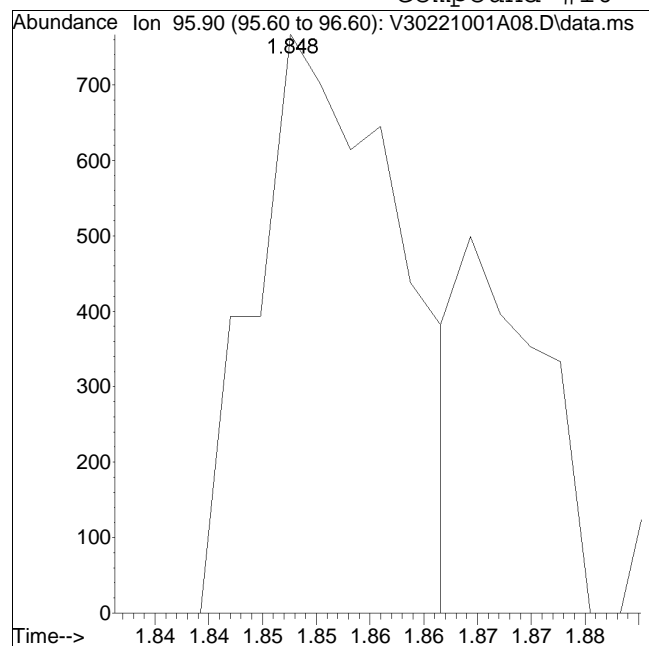
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 51.3 | 28.2 | 68.2 |
| 94 | 48.6 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A08.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 11:46 am Instrument : VOA130
Sample : 12253502-01,31,10,10,,a,prQuant Date : 10/3/2022 8:51 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 725

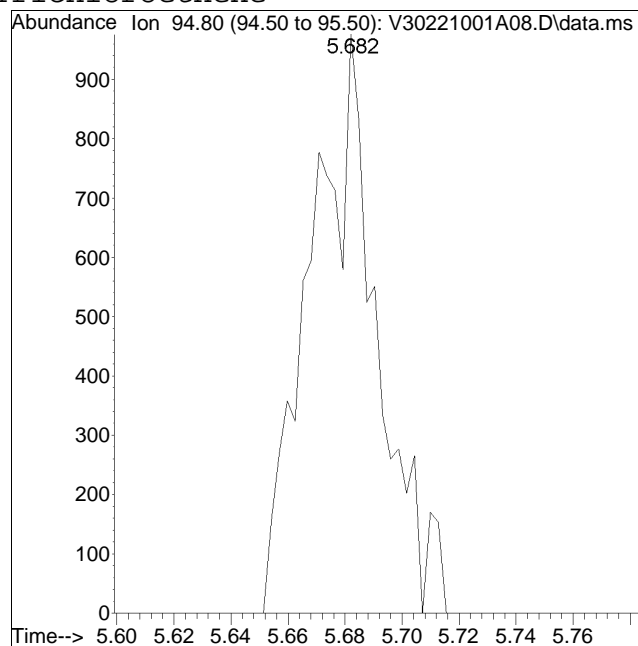
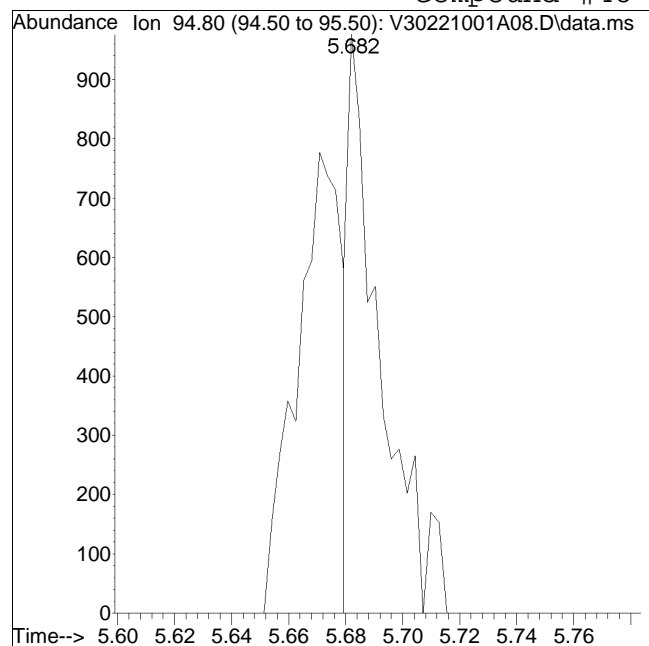
Manual Peak Response = 989 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A08.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 11:46 am Instrument : VOA130
Sample : 12253502-01,31,10,10,,a,prQuant Date : 10/3/2022 8:51 am

Compound #48: Trichloroethene



Original Peak Response = 706

Manual Peak Response = 1608 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A09.D
 Acq On : 01 Oct 2022 12:06 pm
 Operator : VOA130:MKS
 Sample : 12253502-02,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 03 08:59:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 233450 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 80.97% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 197748 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 85.51% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 102215 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 87.50% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 63515 | 10.302 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.02% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 52558 | 7.765 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 77.65% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 248979 | 9.693 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.93% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 92143 | 9.508 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.08% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.111 | 62 | 612 | 0.113 | ug/L # | | 1 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 28 | 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. | | | |
| 20) Methyl tert-butyl ether | 2.626 | 73 | 287 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.811 | 96 | 16079 | 2.911 | ug/L # | | 32 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 4.954 | 78 | 3370 | 0.170 | ug/L # | | 60 |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 48) Trichloroethene | 5.671 | 95 | 1822M1 | 0.354 | ug/L | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 7.598 | 166 | 1557 | 0.256 | ug/L | | 88 |
| 73) Chlorobenzene | 8.499 | 112 | 33 | N.D. | | | |
| 74) Ethylbenzene | 8.554 | 91 | 36 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A09.D
 Acq On : 01 Oct 2022 12:06 pm
 Operator : VOA130:MKS
 Sample : 12253502-02,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 03 08:59:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 8.934 | 106 | 41 | | | N.D. |
| 85) n-Propylbenzene | 9.408 | 91 | 29 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 9.530 | 119 | 26 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 9.820 | 105 | 79 | | | N.D. |
| 98) sec-Butylbenzene | 9.820 | 105 | 79 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 10.144 | 91 | 37 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

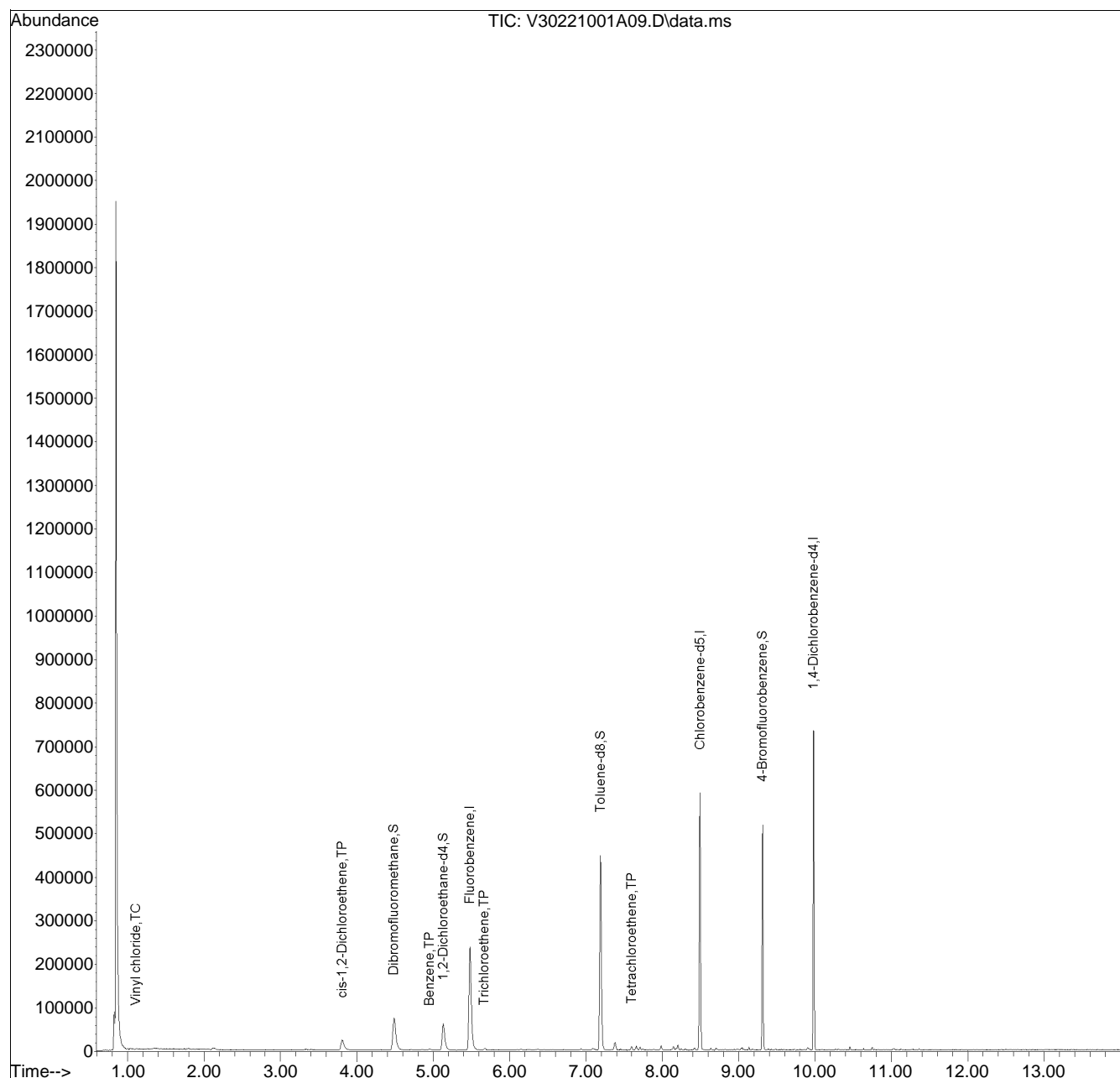
(#) = qualifier out of range (m) = manual integration (+) = signals summed

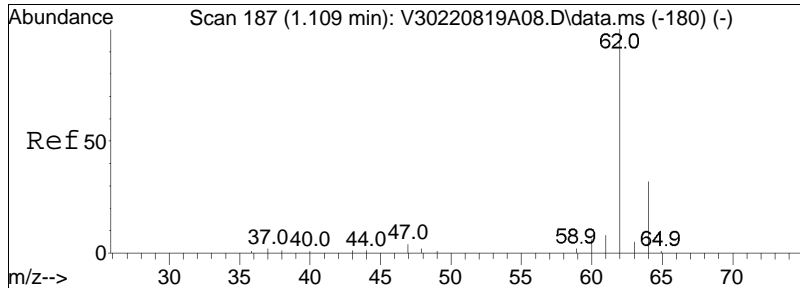
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A09.D
 Acq On : 01 Oct 2022 12:06 pm
 Operator : VOA130:MKS
 Sample : 12253502-02,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 03 08:59:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

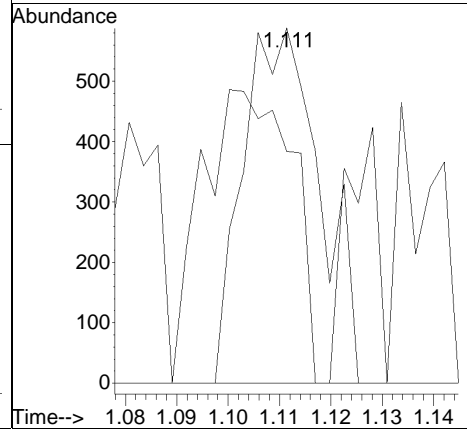
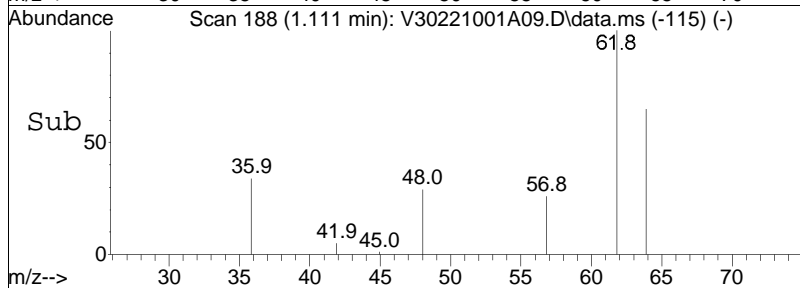
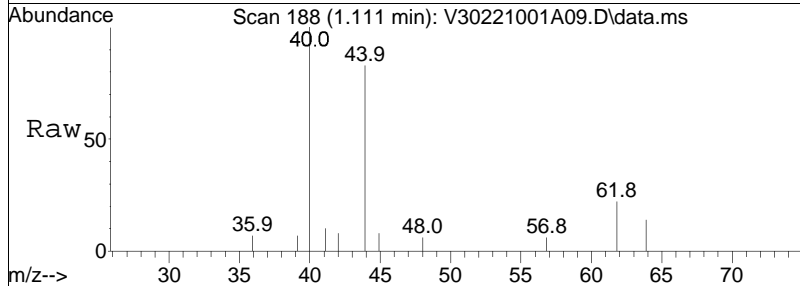
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

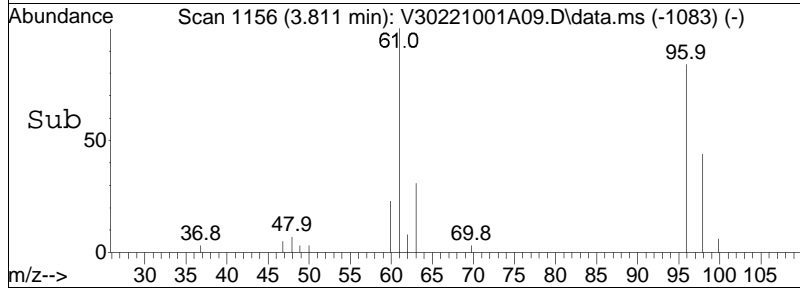
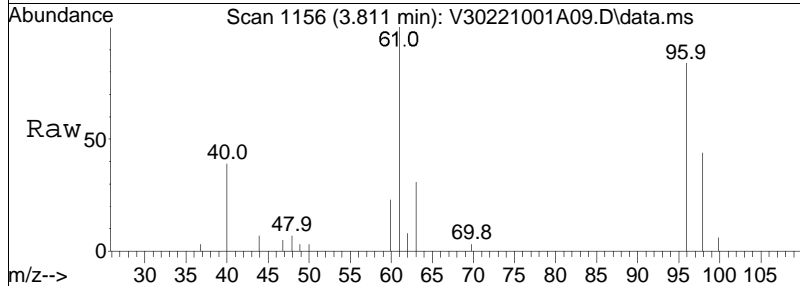
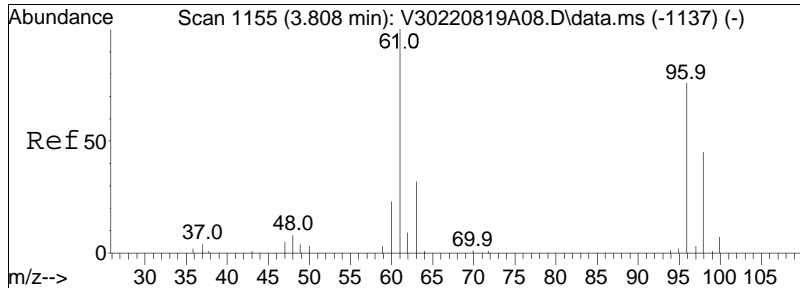




#4
 Vinyl chloride
 Concen: 0.11 ug/L
 RT: 1.111 min Scan# 188
 Delta R.T. 0.002 min
 Lab File: V30221001A09.D
 Acq: 01 Oct 2022 12:06 pm

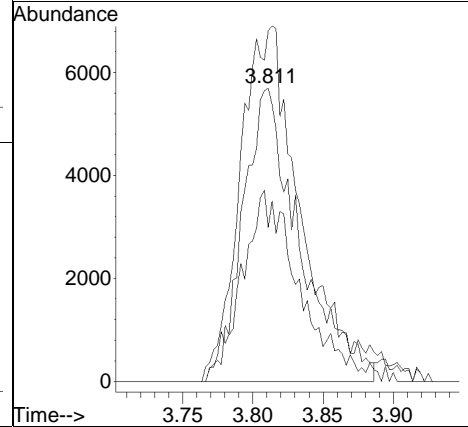
| Tgt Ion: | Resp: | | |
|----------|-------|-----|-------|
| 62 | 100 | | |
| 64 | 96.9 | 9.1 | 49.1# |

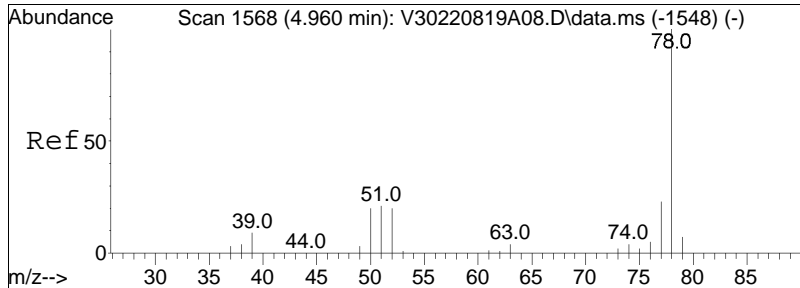




#28
 cis-1,2-Dichloroethene
 Concen: 2.91 ug/L
 RT: 3.811 min Scan# 1156
 Delta R.T. 0.003 min
 Lab File: V30221001A09.D
 Acq: 01 Oct 2022 12:06 pm

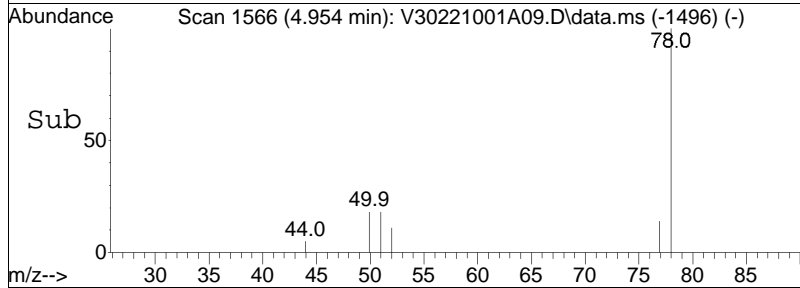
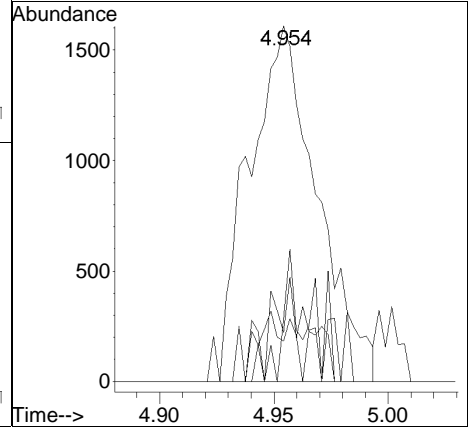
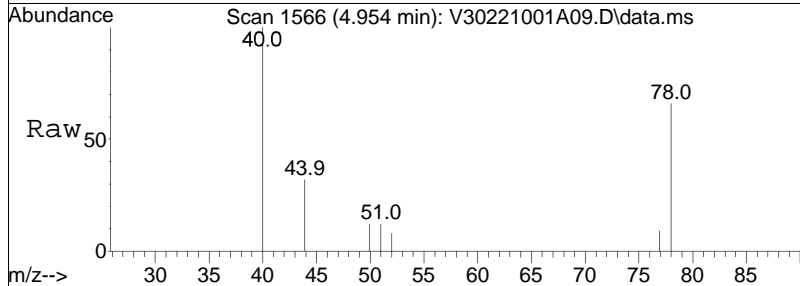
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|--------|
| 96 | 16079 | | |
| 96 | 100 | | |
| 61 | 54.5 | 149.4 | 224.2# |
| 98 | 65.0 | 53.4 | 80.2 |

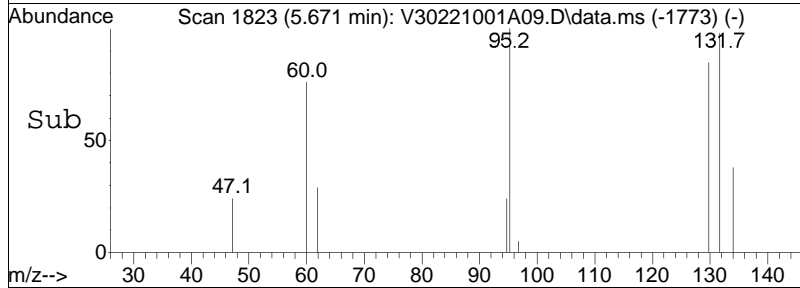
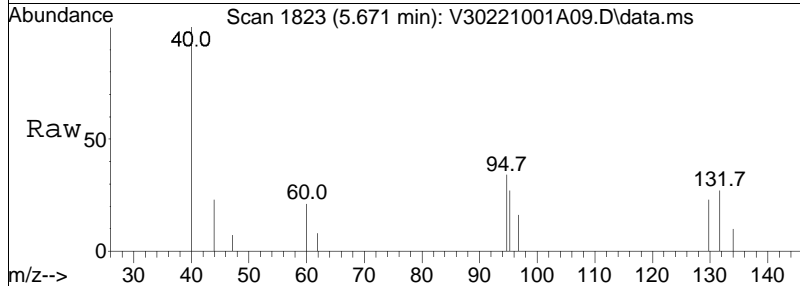
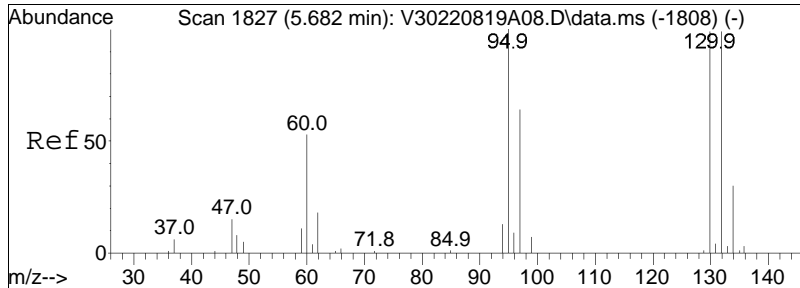




#41
Benzene
Concen: 0.17 ug/L
RT: 4.954 min Scan# 1566
Delta R.T. -0.006 min
Lab File: V30221001A09.D
Acq: 01 Oct 2022 12:06 pm

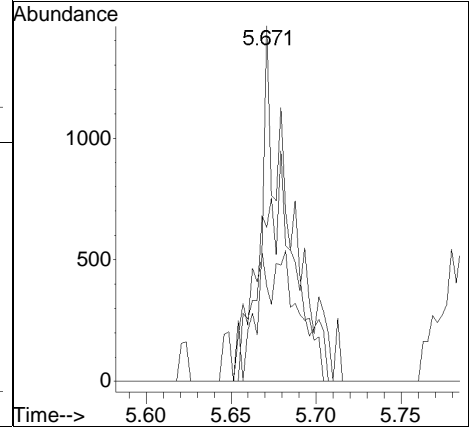
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 4.7 | 15.7 | 32.7# |
| 51 | 0.0 | 16.0 | 33.2# |
| 52 | 8.0 | 15.3 | 31.9# |

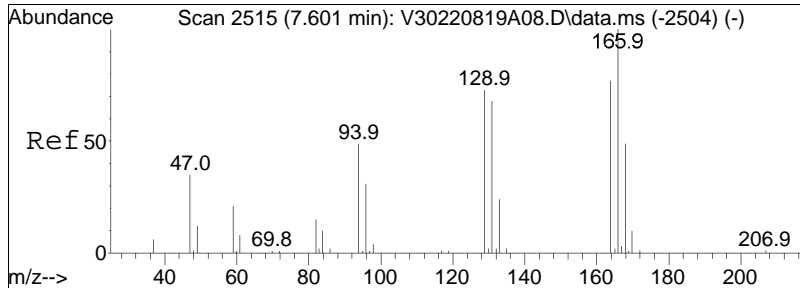




#48
 Trichloroethene
 Concen: 0.35 ug/L M1
 RT: 5.671 min Scan# 1823
 Delta R.T. -0.011 min
 Lab File: V30221001A09.D
 Acq: 01 Oct 2022 12:06 pm

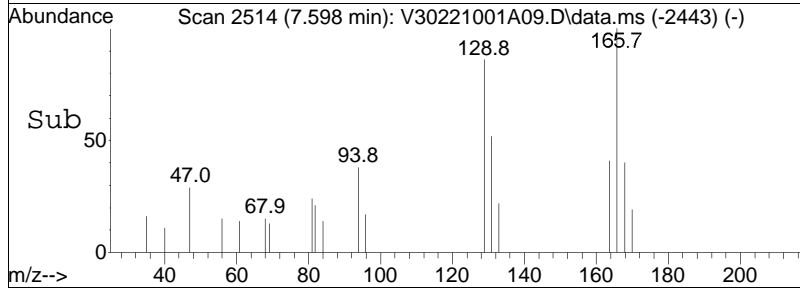
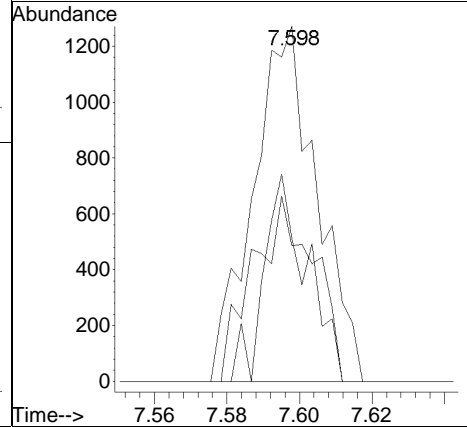
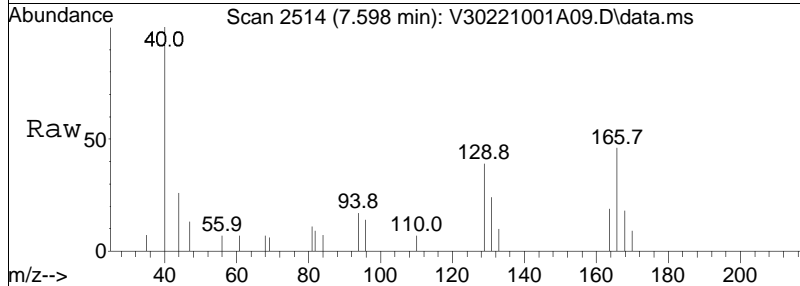
| Tgt Ion: | 95 | Resp: | 1822 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 19.9 | 55.5 | 83.3# |
| 132 | 34.9 | 76.6 | 115.0# |





#63
 Tetrachloroethene
 Concen: 0.26 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30221001A09.D
 Acq: 01 Oct 2022 12:06 pm

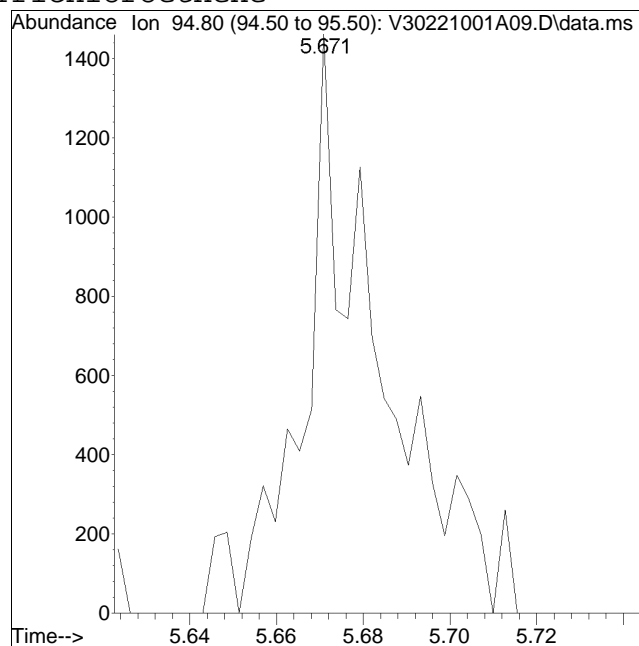
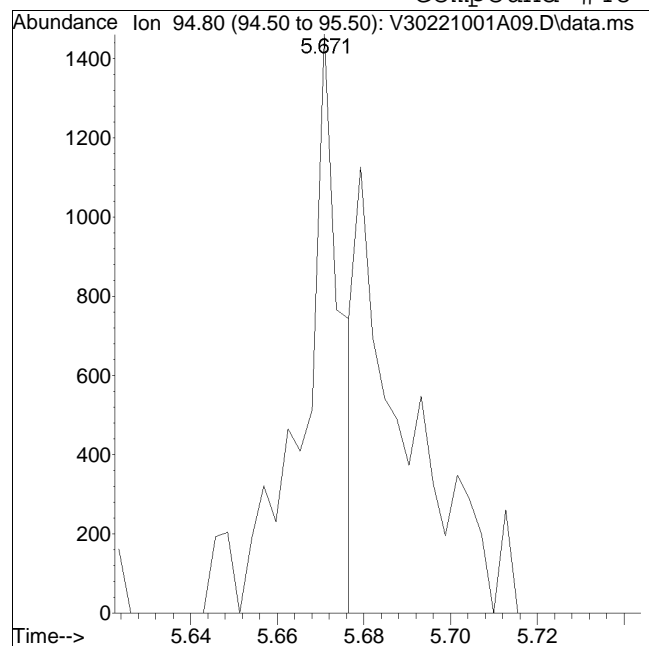
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 39.3 | 28.2 | 68.2 |
| 94 | 49.6 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A09.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 12:06 pm Instrument : VOA130
Sample : 12253502-02,31,10,10,,a,prQuant Date : 10/3/2022 8:51 am

Compound #48: Trichloroethene



Original Peak Response = 853

Manual Peak Response = 1822 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A10.D
 Acq On : 01 Oct 2022 12:25 pm
 Operator : VOA130:MKS
 Sample : 12253502-03,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 03 08:51:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 235185 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 81.57% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 195992 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 84.75% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 100801 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 116817 | | | Recovery = | 86.29% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 63280 | 10.189 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.89% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 52530 | 7.703 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 77.03% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 245407 | 9.640 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.40% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 88790 | 9.290 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 92.90% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.103 | 62 | 30 | | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | | |
| 17) Acetone | 2.397 | 43 | 405 | 0.522 | ug/L # | 57 | |
| 18) trans-1,2-Dichloroethene | 2.489 | 96 | 30 | | 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 | 3.808 | 96 | 33016 | 5.933 | ug/L # | 74 | |
| 32) Chloroform | 4.246 | 83 | 9569 | 1.008 | ug/L # | 86 | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | | |
| 39) 2-Butanone | 4.522 | 43 | 25 | | N.D. | | |
| 41) Benzene | 0.000 | | 0 | | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | | |
| 48) Trichloroethene | 5.676 | 95 | 4947 | 0.954 | ug/L | 98 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 0.000 | | 0 | | N.D. | | |
| 63) Tetrachloroethene | 7.598 | 166 | 27436 | 4.551 | ug/L | 94 | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | | |
| 74) Ethylbenzene | 8.490 | 91 | 391 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A10.D
 Acq On : 01 Oct 2022 12:25 pm
 Operator : VOA130:MKS
 Sample : 12253502-03,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 03 08:51:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.316 | 91 | 343 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 9.993 | 146 | 35 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 9.993 | 146 | 35 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 324 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

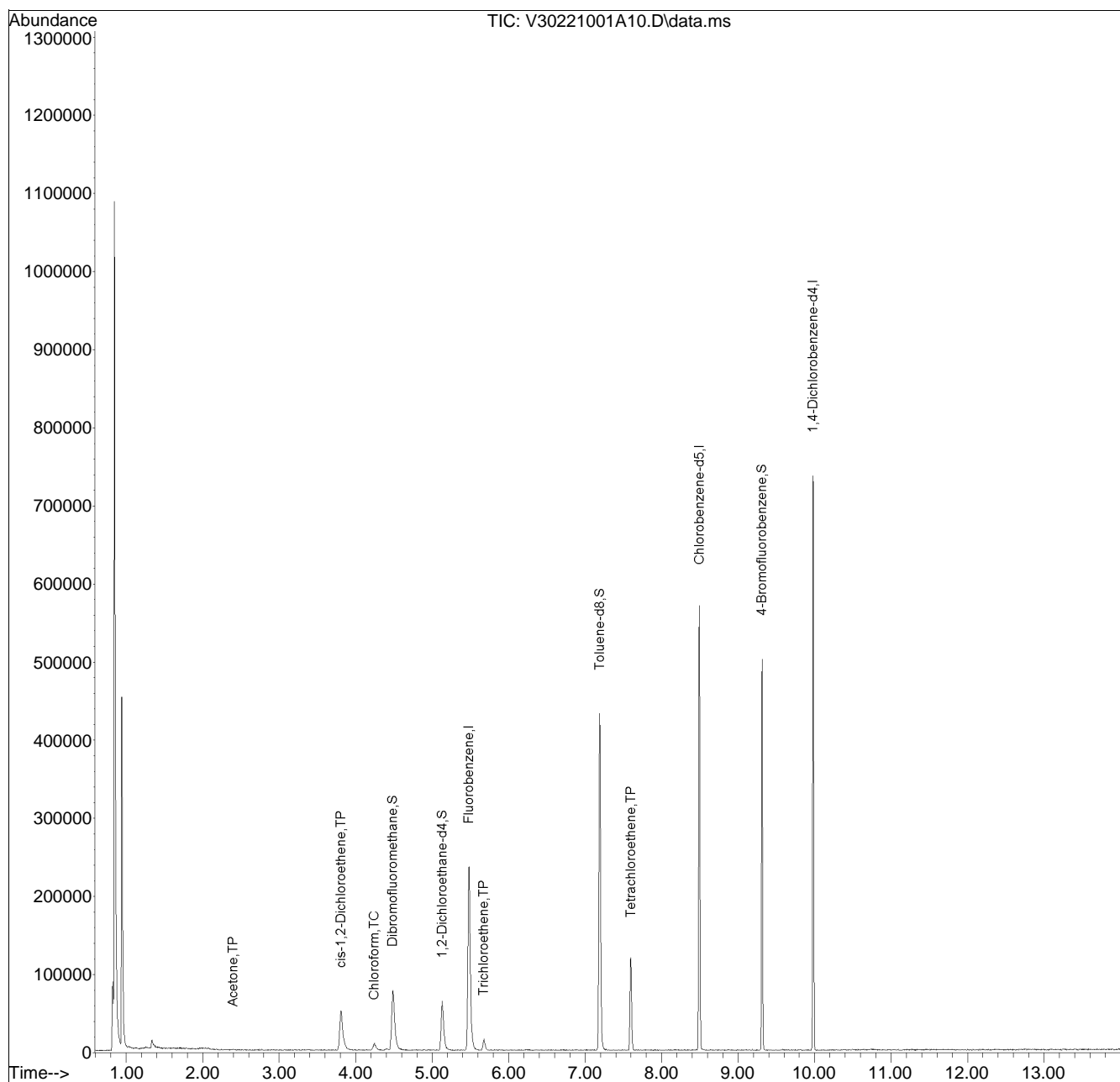
(#) = qualifier out of range (m) = manual integration (+) = signals summed

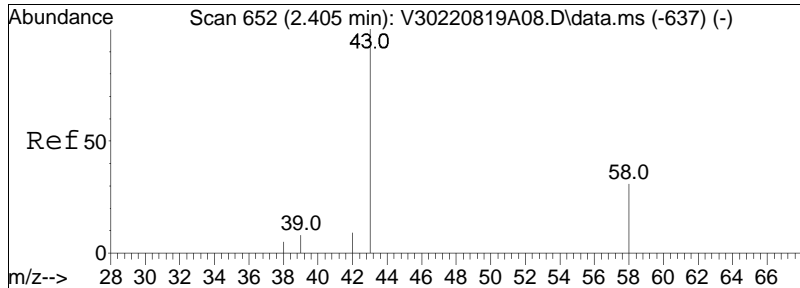
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A10.D
Acq On : 01 Oct 2022 12:25 pm
Operator : VOA130:MKS
Sample : 12253502-03,31,10,10,,a,pri
Misc : WG1694829,ICAL19274
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 03 08:51:59 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

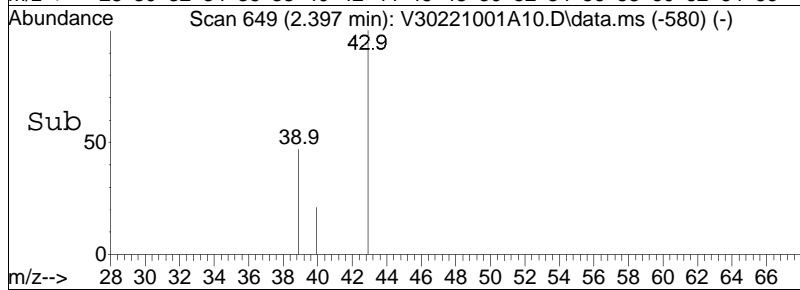
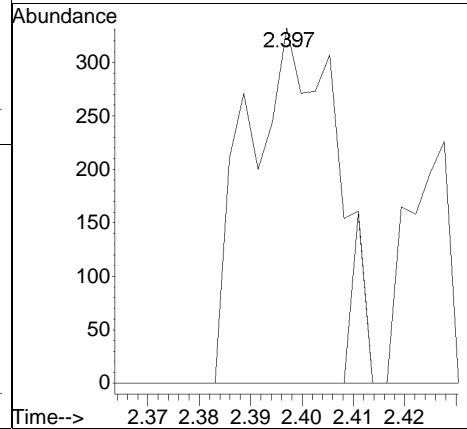
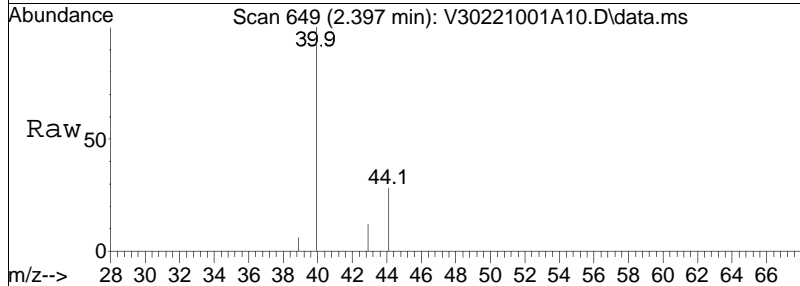
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

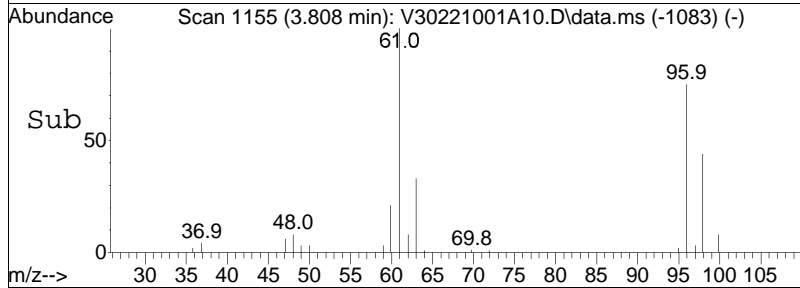
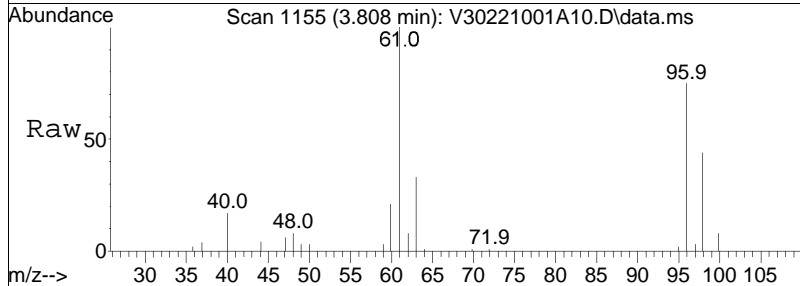
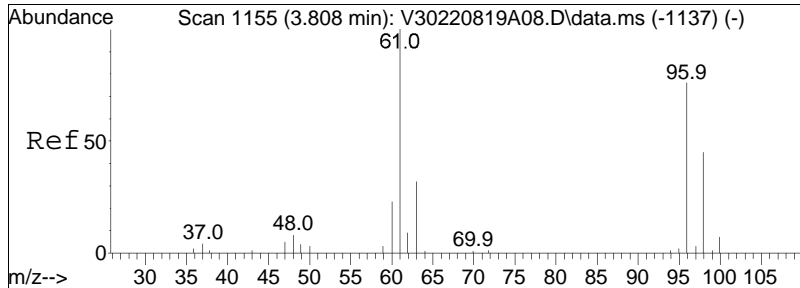




#17
 Acetone
 Concen: 0.52 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30221001A10.D
 Acq: 01 Oct 2022 12:25 pm

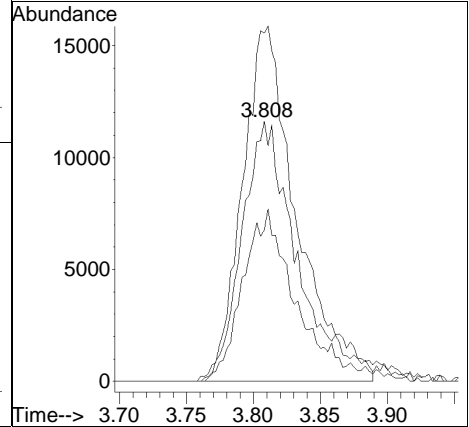
| Tgt Ion: | 43 | Resp: | 405 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 58 | 6.7 | 24.2 | 36.4# |

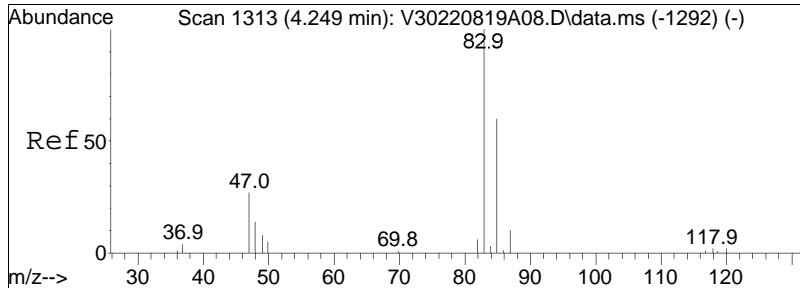




#28
 cis-1,2-Dichloroethene
 Concen: 5.93 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A10.D
 Acq: 01 Oct 2022 12:25 pm

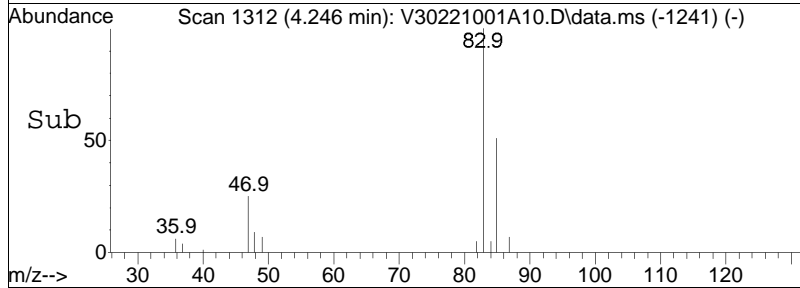
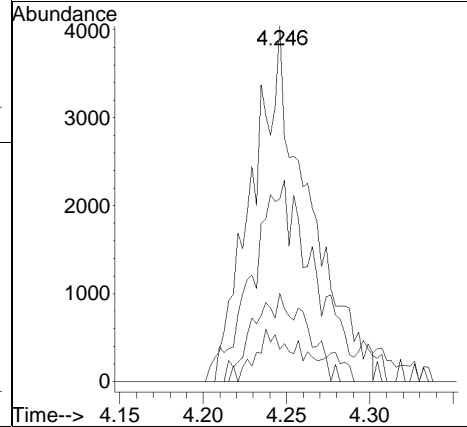
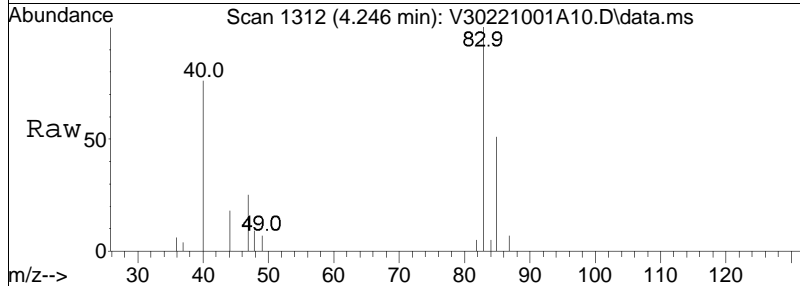
| Tgt Ion: | 96 | Resp: | 33016 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.7 | 149.4 | 224.2# |
| 98 | 62.5 | 53.4 | 80.2 |

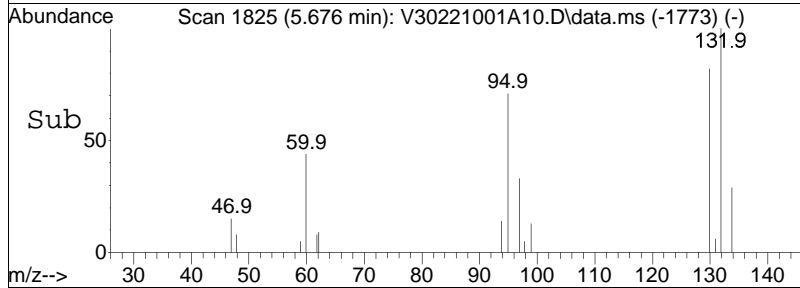
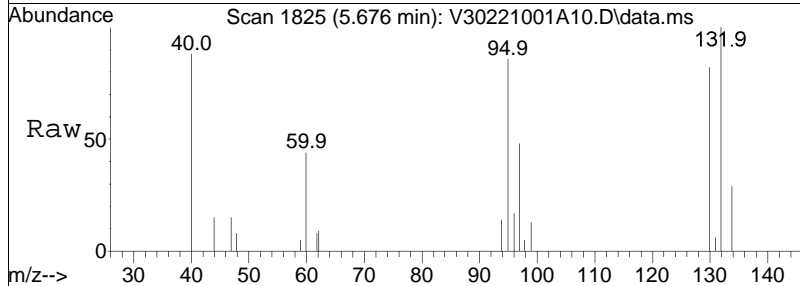
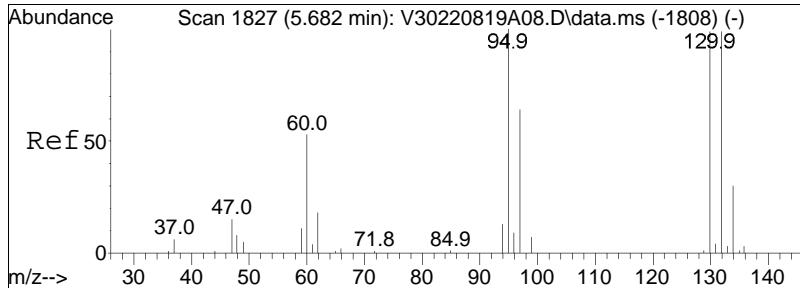




#32
 Chloroform
 Concen: 1.01 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30221001A10.D
 Acq: 01 Oct 2022 12:25 pm

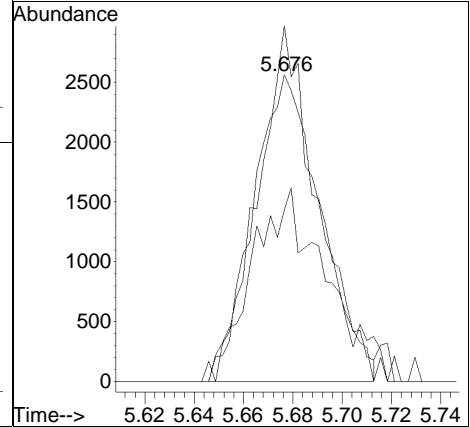
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 9569 | | |
| 83 | 100 | | |
| 85 | 61.2 | 41.5 | 86.1 |
| 47 | 10.5 | 19.0 | 39.4# |
| 48 | 7.8 | 9.9 | 20.5# |

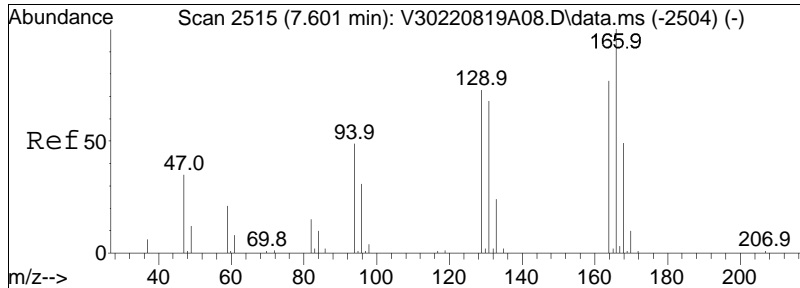




#48
 Trichloroethene
 Concen: 0.95 ug/L
 RT: 5.676 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: V30221001A10.D
 Acq: 01 Oct 2022 12:25 pm

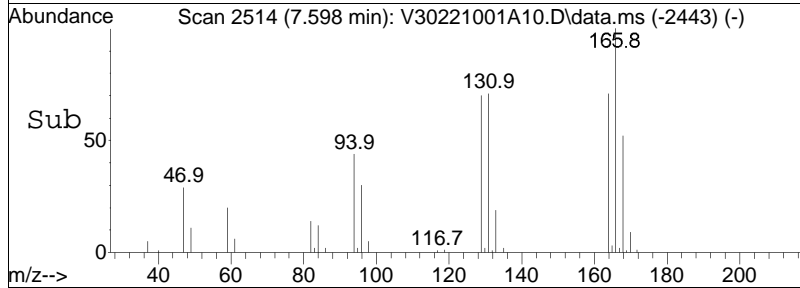
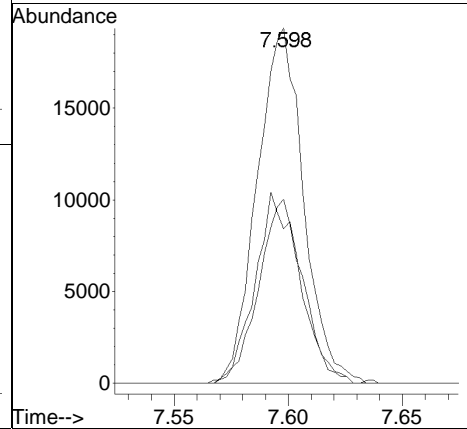
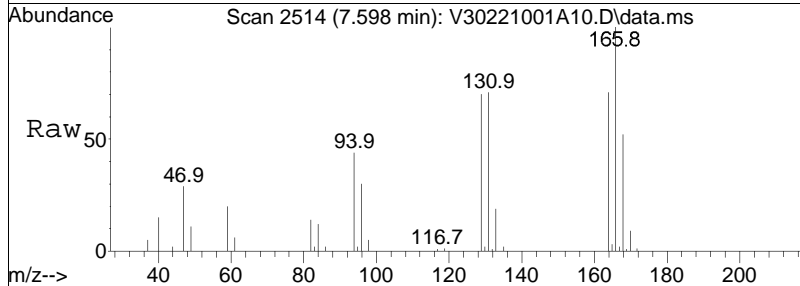
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 95 | 4947 | | |
| 95 | 100 | | |
| 97 | 66.9 | 55.5 | 83.3 |
| 132 | 97.6 | 76.6 | 115.0 |





#63
 Tetrachloroethene
 Concen: 4.55 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30221001A10.D
 Acq: 01 Oct 2022 12:25 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 49.7 | 28.2 | 68.2 |
| 94 | 51.5 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A10.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 12:25 pm Instrument : VOA130
Sample : 12253502-03,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A11.D
 Acq On : 01 Oct 2022 12:45 pm
 Operator : VOA130:MKS
 Sample : 12253502-04,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 03 09:00:45 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|-----------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.484 | 96 | 236234 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 81.94% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 198076 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 85.65% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 99768 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 85.41% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 66268 | 10.622 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 106.22% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.136 | 65 | 56233 | 8.210 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 82.10% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 250816 | 9.748 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.48% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 89910 | 9.505 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.05% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.109 | 62 | 51820 | 9.414 | ug/L | | Qvalue 88 |
| 10) 1,1-Dichloroethene | 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. | | | |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 9311M1 | 0.983 | ug/L | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 106218 | 19.003 | ug/L # | | 76 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 4.940 | 78 | 27 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.214 | 62 | 33 | N.D. | | | |
| 48) Trichloroethene | 5.571 | 95 | 32 | N.D. | | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | | |
| 73) Chlorobenzene | 8.493 | 112 | 26 | N.D. | | | |
| 74) Ethylbenzene | 8.496 | 91 | 439 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A11.D
 Acq On : 01 Oct 2022 12:45 pm
 Operator : VOA130:MKS
 Sample : 12253502-04,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 03 09:00:45 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.319 | 91 | 337 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 9.982 | 105 | 32 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 9.985 | 91 | 308 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

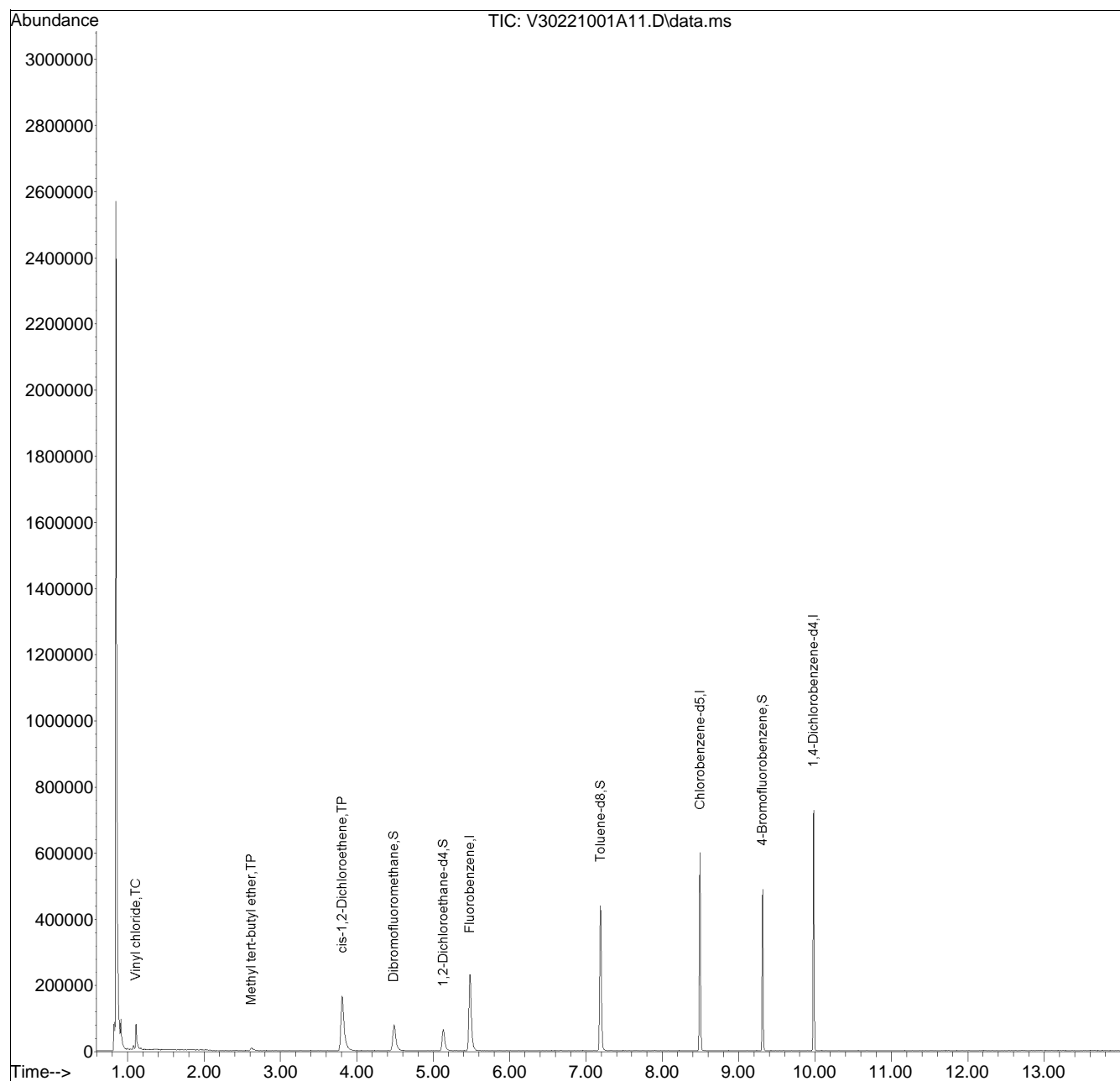
(#) = qualifier out of range (m) = manual integration (+) = signals summed

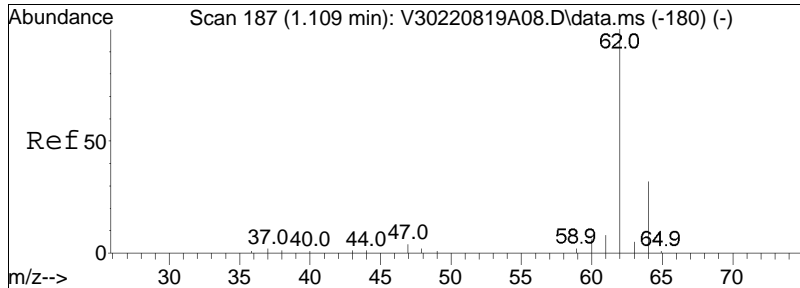
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A11.D
Acq On : 01 Oct 2022 12:45 pm
Operator : VOA130:MKS
Sample : 12253502-04,31,10,10,,a,pri
Misc : WG1694829,ICAL19274
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 03 09:00:45 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

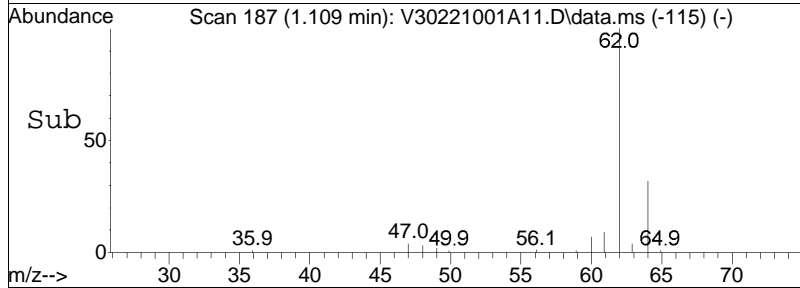
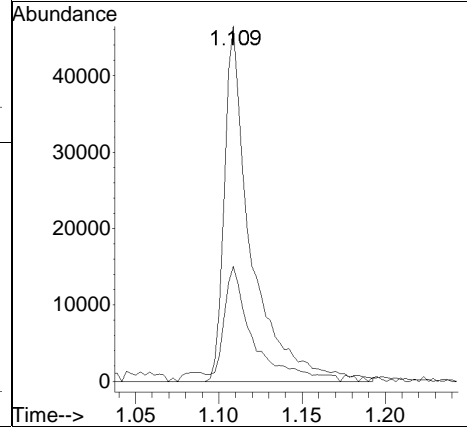
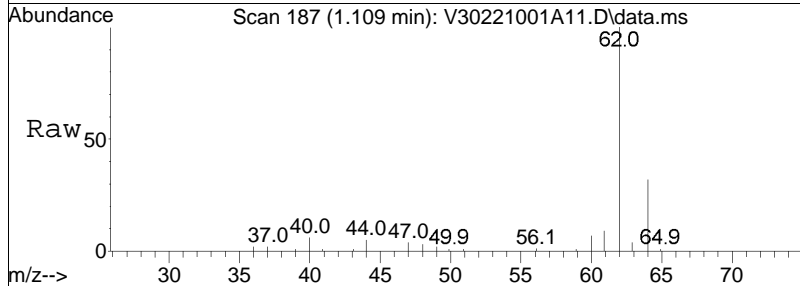
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

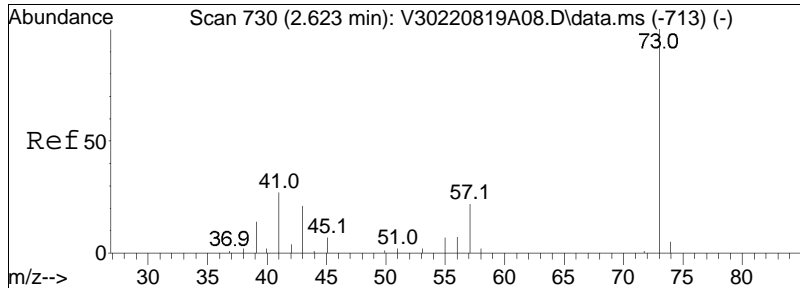




#4
 Vinyl chloride
 Concen: 9.41 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A11.D
 Acq: 01 Oct 2022 12:45 pm

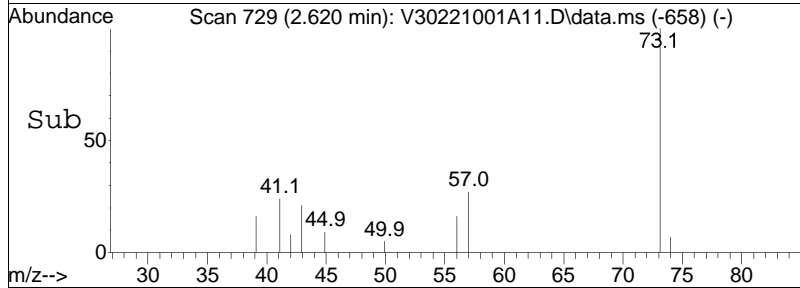
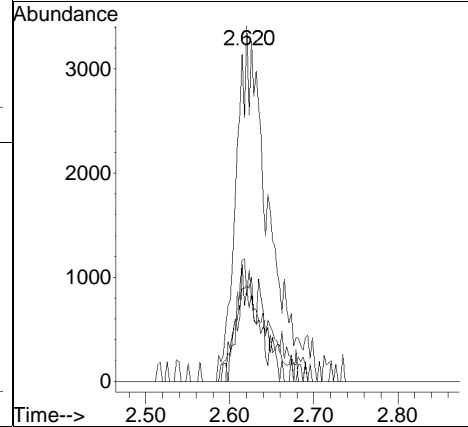
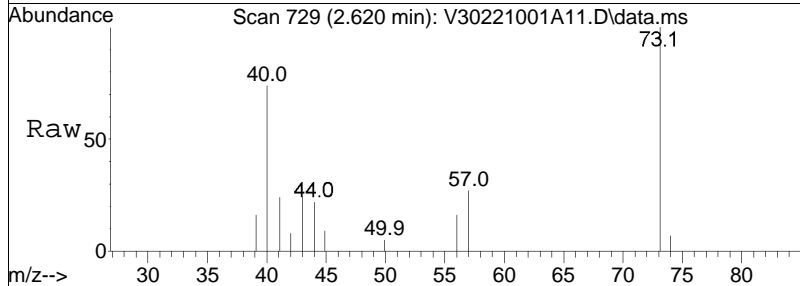
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 35.3 | 9.1 | 49.1 |

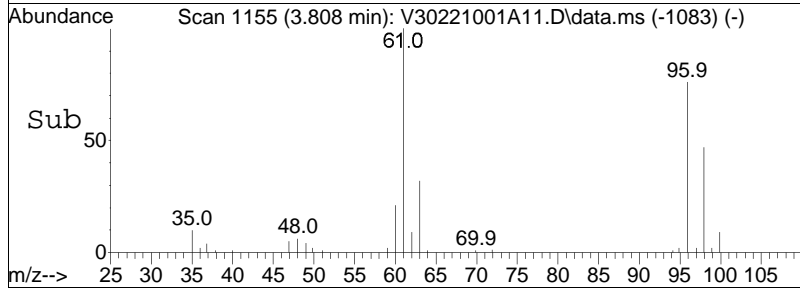
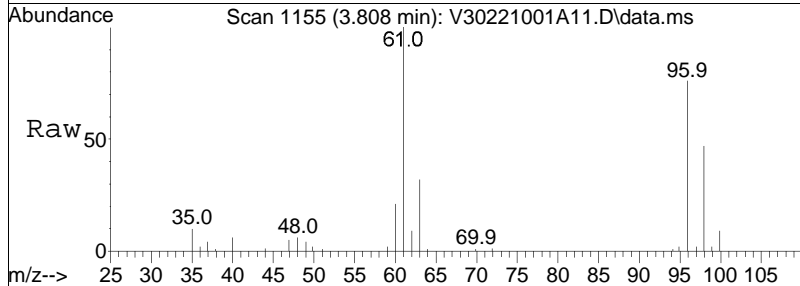
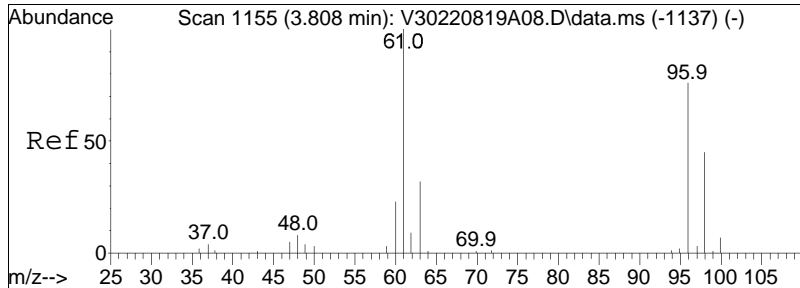




#20
 Methyl tert-butyl ether
 Concen: 0.98 ug/L M1
 RT: 2.620 min Scan# 729
 Delta R.T. -0.003 min
 Lab File: V30221001A11.D
 Acq: 01 Oct 2022 12:45 pm

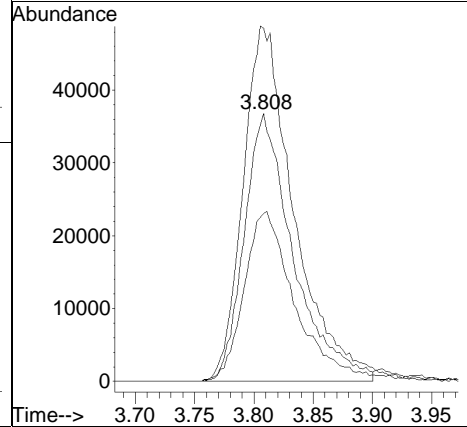
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 0.0 | 17.5 | 36.3# |
| 43 | 24.6 | 15.3 | 31.9 |
| 41 | 16.3 | 15.3 | 31.7 |





#28
 cis-1,2-Dichloroethene
 Concen: 19.00 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A11.D
 Acq: 01 Oct 2022 12:45 pm

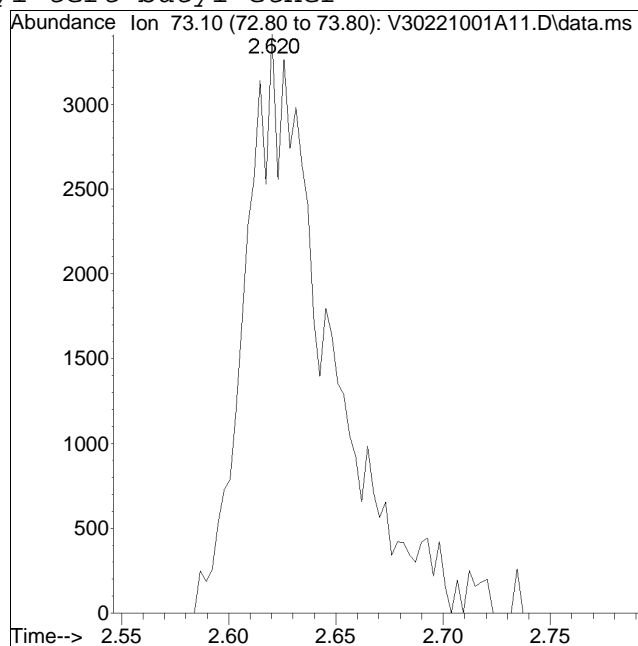
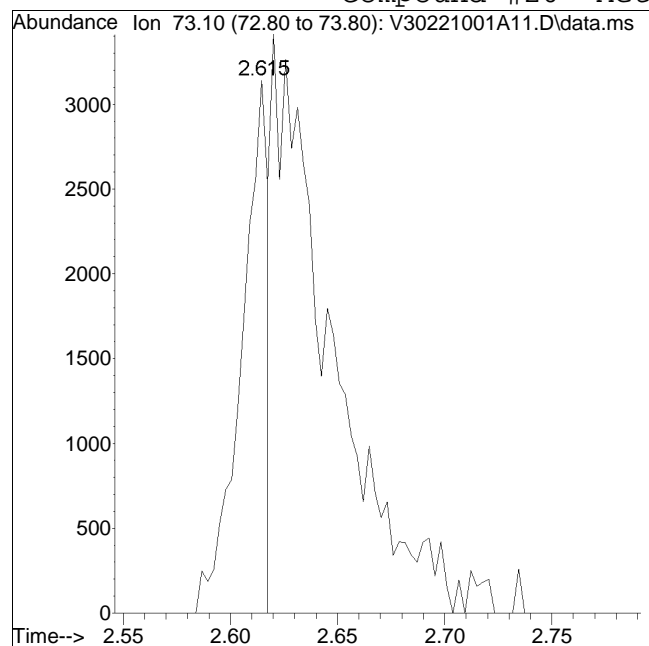
| Tgt Ion: | 96 | Resp: | 106218 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 139.3 | 149.4 | 224.2# |
| 98 | 66.0 | 53.4 | 80.2 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A11.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 12:45 pm Instrument : VOA130
Sample : 12253502-04,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 2709

Manual Peak Response = 9311 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A12.D
 Acq On : 01 Oct 2022 01:04 pm
 Operator : VOA130:MKS
 Sample : 12253502-05,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 03 09:01:16 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 228997 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 79.43% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 188859 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 81.67% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 98523 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 84.34% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 66634 | 11.019 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 110.19% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 57642 | 8.682 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 86.82% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 244052 | 9.949 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.49% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 87973 | 9.418 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.18% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.109 | 62 | 3865600 | 724.477 | ug/L | | 95 |
| 10) 1,1-Dichloroethene | 1.853 | 96 | 97 | N.D. | | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 0.000 | | 0 | N.D. d | | | |
| 18) trans-1,2-Dichloroethene | 2.481 | 96 | 418 | 0.089 | ug/L # | | 59 |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 550500 | 101.601 | ug/L # | | 75 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 4.957 | 78 | 63 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.200 | 62 | 53 | N.D. | | | |
| 48) Trichloroethene | 5.682 | 95 | 252 | N.D. | | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.244 | 92 | 128 | N.D. | | | |
| 63) Tetrachloroethene | 7.598 | 166 | 457 | 0.079 | ug/L | | 79 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 8.485 | 91 | 343 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A12.D
 Acq On : 01 Oct 2022 01:04 pm
 Operator : VOA130:MKS
 Sample : 12253502-05,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 03 09:01:16 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 8.652 | 106 | 28 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.313 | 91 | 410 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 40 | | | N.D. |
| 98) sec-Butylbenzene | 9.759 | 105 | 40 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 9.979 | 91 | 240 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

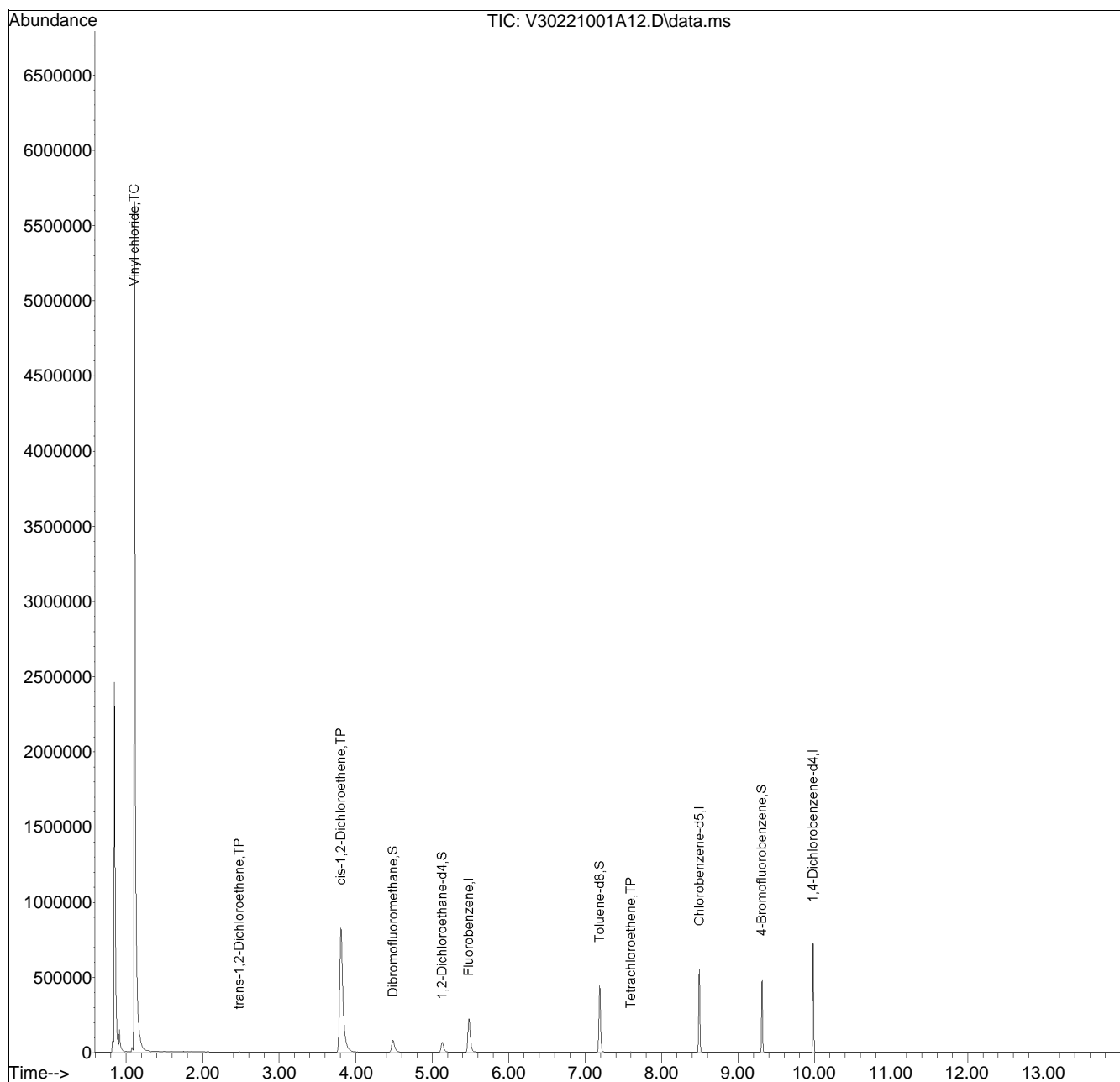
(#) = qualifier out of range (m) = manual integration (+) = signals summed

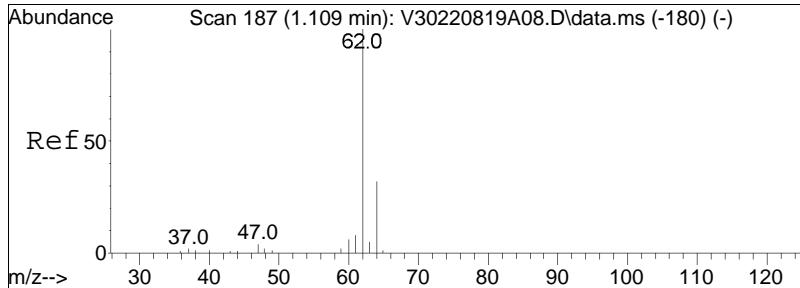
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A12.D
Acq On : 01 Oct 2022 01:04 pm
Operator : VOA130:MKS
Sample : 12253502-05,31,10,10,,a,pri
Misc : WG1694829,ICAL19274
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 03 09:01:16 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

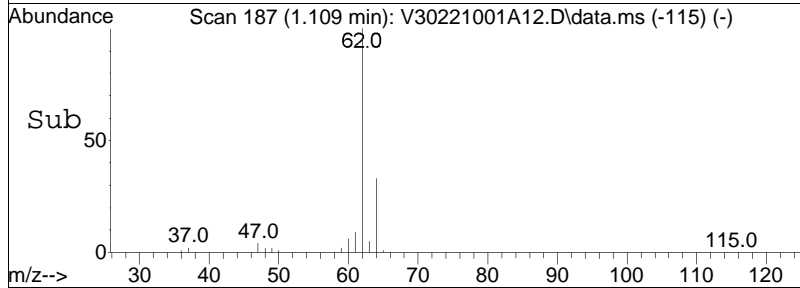
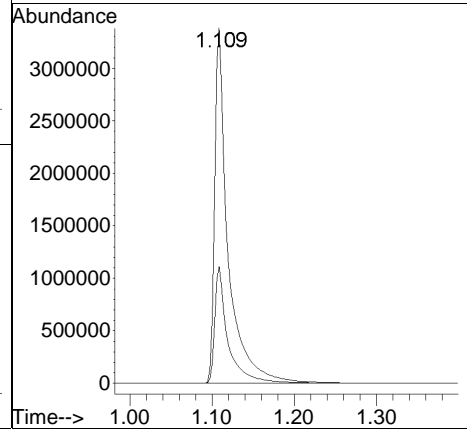
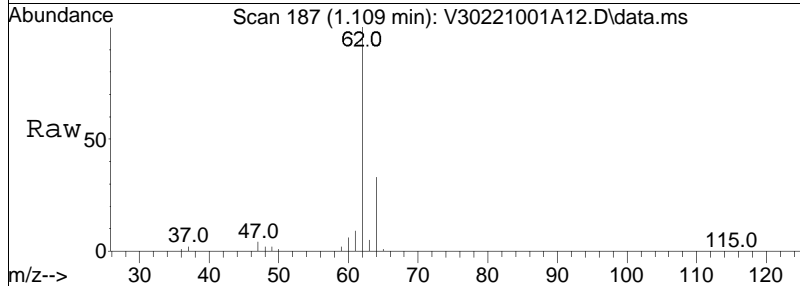
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

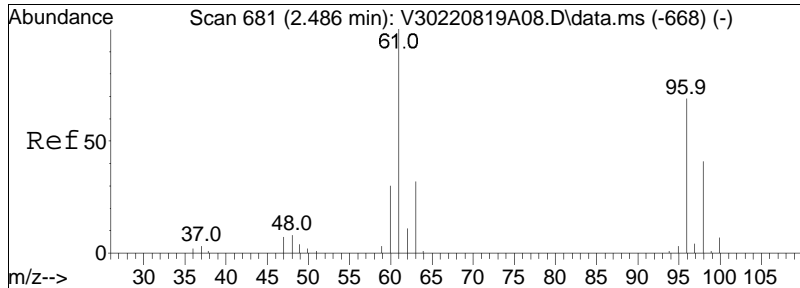




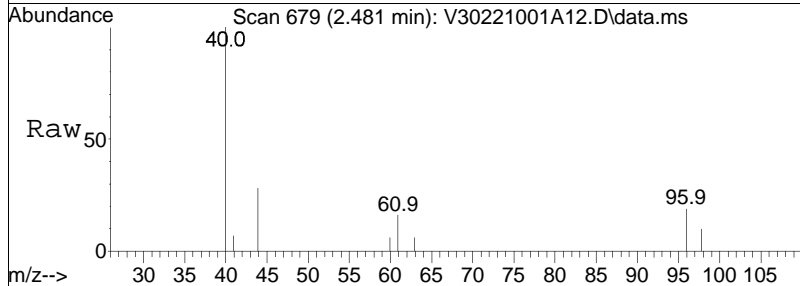
#4
 Vinyl chloride
 Concen: 724.48 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A12.D
 Acq: 01 Oct 2022 01:04 pm

Tgt Ion: 62 Resp: 3865600
 Ion Ratio Lower Upper
 62 100
 64 31.9 9.1 49.1

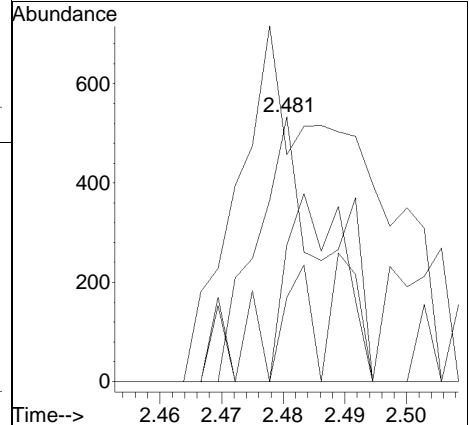
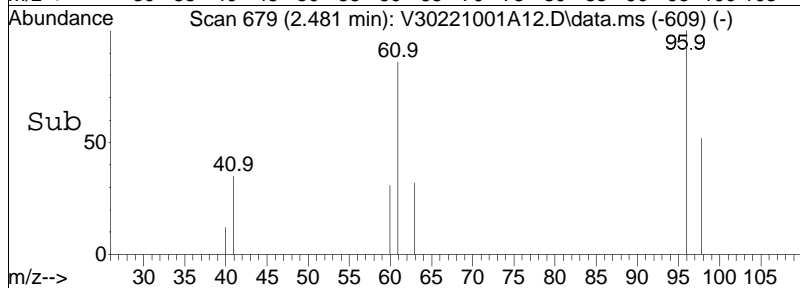


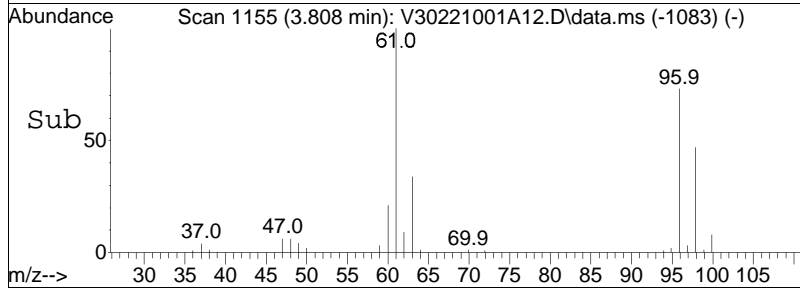
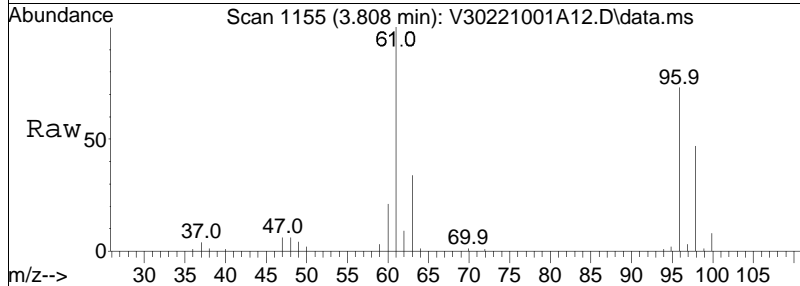
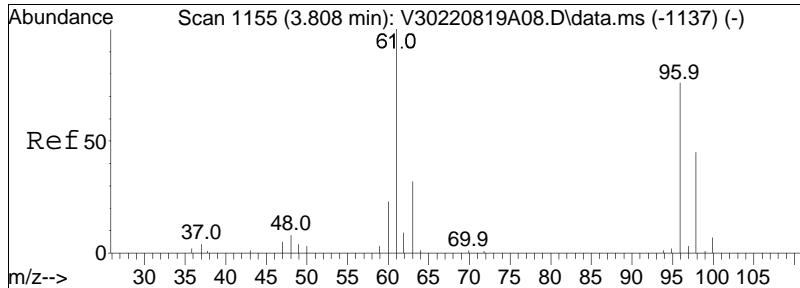


#18
 trans-1,2-Dichloroethene
 Concen: 0.09 ug/L
 RT: 2.481 min Scan# 679
 Delta R.T. -0.005 min
 Lab File: V30221001A12.D
 Acq: 01 Oct 2022 01:04 pm



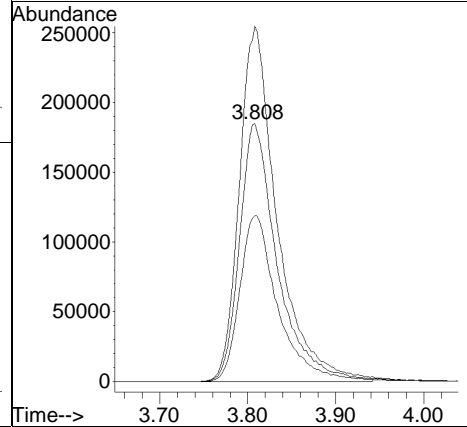
| Tgt Ion: | 96 | Resp: | 418 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 118.7 | 124.0 | 257.6# |
| 98 | 64.6 | 41.2 | 85.6 |
| 63 | 16.3 | 38.4 | 79.7# |

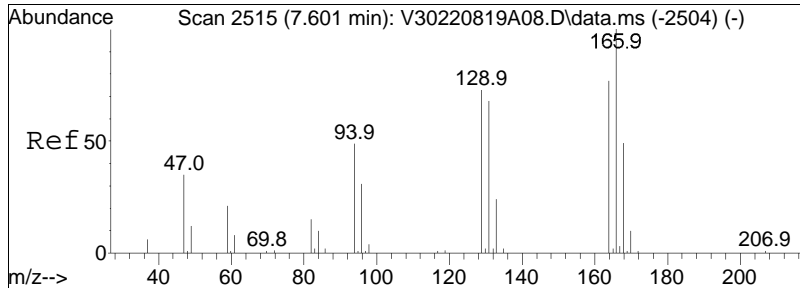




#28
 cis-1,2-Dichloroethene
 Concen: 101.60 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30221001A12.D
 Acq: 01 Oct 2022 01:04 pm

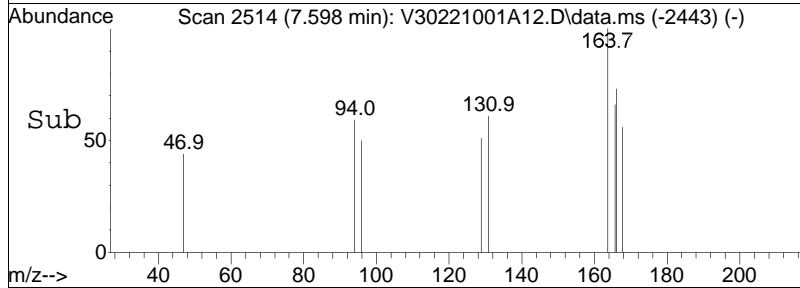
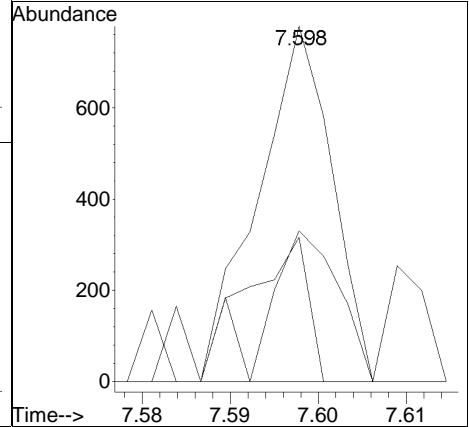
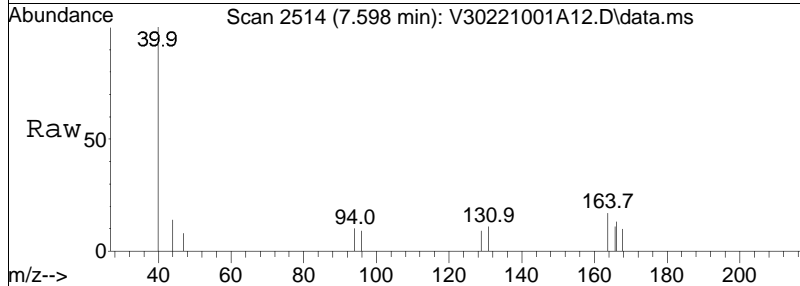
| Tgt Ion: | 96 | Resp: | 550500 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 138.5 | 149.4 | 224.2# |
| 98 | 64.7 | 53.4 | 80.2 |





#63
 Tetrachloroethene
 Concen: 0.08 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30221001A12.D
 Acq: 01 Oct 2022 01:04 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 34.1 | 28.2 | 68.2 |
| 94 | 42.5 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A12.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:04 pm Instrument : VOA130
Sample : 12253502-05,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A13.D
 Acq On : 01 Oct 2022 01:24 pm
 Operator : VOA130:MKS
 Sample : 12253502-06,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 03 09:02:25 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------------|----------------|------|------------|---------|--------|----------|-----------|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.484 | 96 | 229871 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 79.73% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 194881 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 84.27% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 99594 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 116817 | | | Recovery = | 85.26% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.494 | 113 | 65882 | 10.853 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 108.53% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.127 | 65 | 54217 | 8.135 | ug/L | -0.01 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 81.35% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 242230 | 9.569 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.69% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 90005 | 9.532 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.32% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.109 | 62 | 188623 | 35.217 | ug/L | | Qvalue 95 |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 2.403 | 43 | 482 | 0.635 | ug/L # | | 58 |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | N.D. | | | |
| 20) Methyl tert-butyl ether | 2.617 | 73 | 77 | N.D. | | | |
| 23) 1,1-Dichloroethane | 3.116 | 63 | 65 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.811 | 96 | 36744 | 6.756 | ug/L # | | 75 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 0.000 | | 0 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.205 | 62 | 29 | N.D. | | | |
| 48) Trichloroethene | 5.543 | 95 | 271 | N.D. | | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 8.490 | 91 | 488 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A13.D
 Acq On : 01 Oct 2022 01:24 pm
 Operator : VOA130:MKS
 Sample : 12253502-06,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 03 09:02:25 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.313 | 91 | 285 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 9.985 | 146 | 31 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 9.985 | 146 | 31 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 218 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

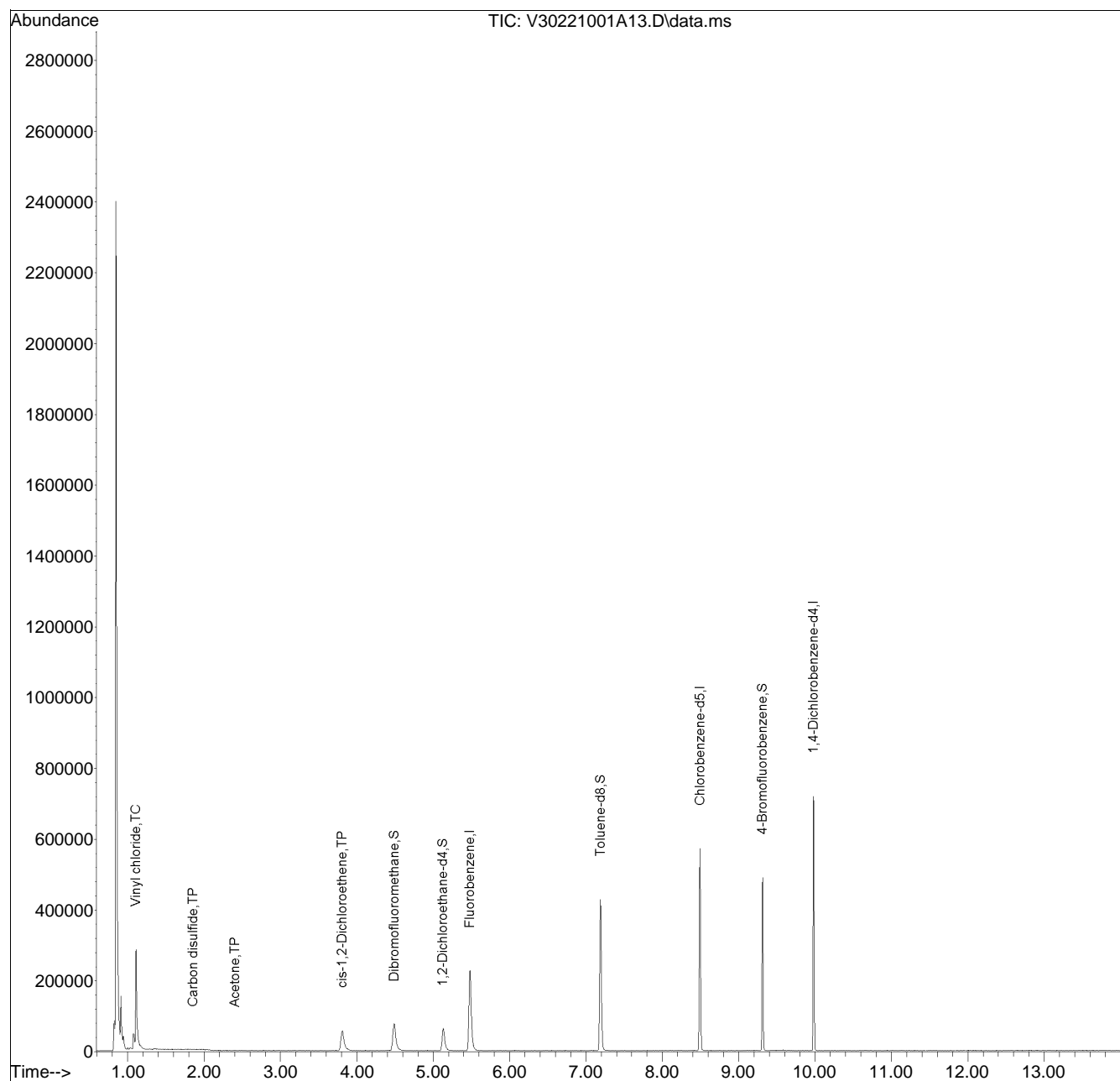
(#) = qualifier out of range (m) = manual integration (+) = signals summed

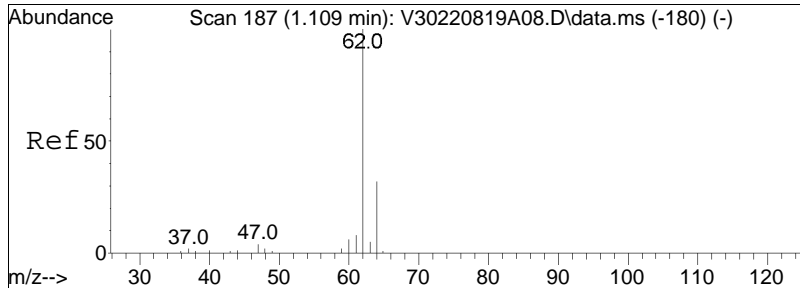
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A13.D
Acq On : 01 Oct 2022 01:24 pm
Operator : VOA130:MKS
Sample : 12253502-06,31,10,10,,a,pri
Misc : WG1694829,ICAL19274
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 03 09:02:25 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

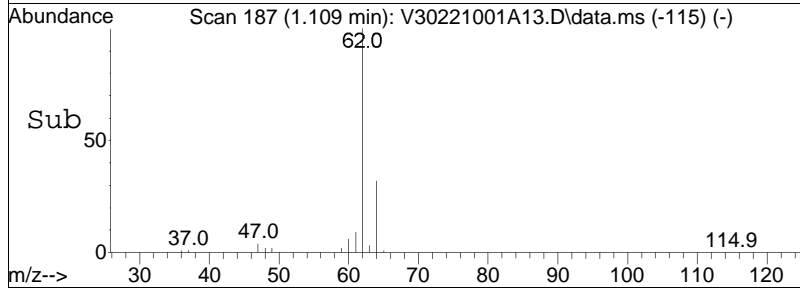
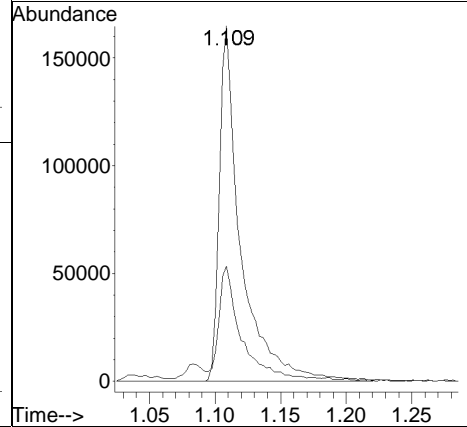
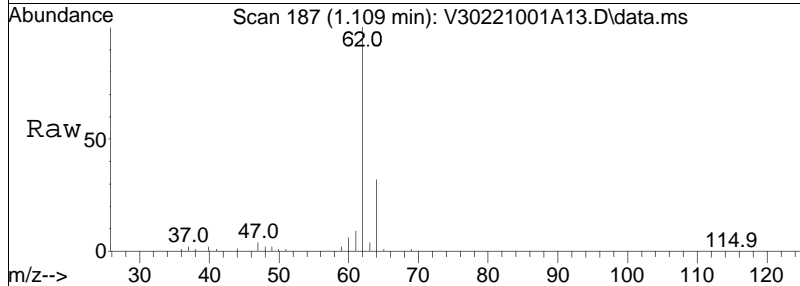
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

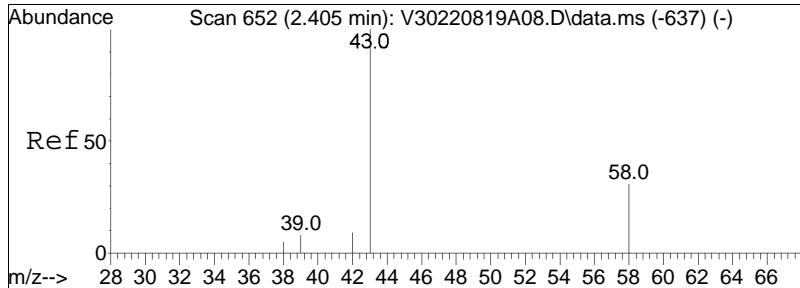




#4
 Vinyl chloride
 Concen: 35.22 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A13.D
 Acq: 01 Oct 2022 01:24 pm

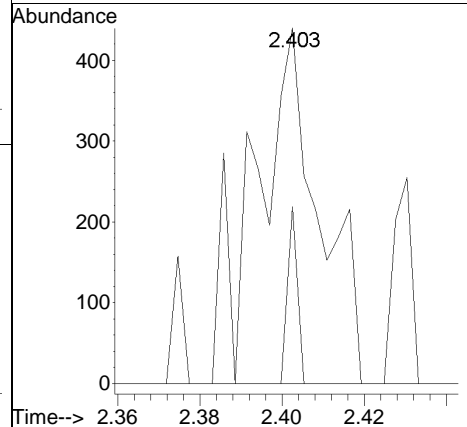
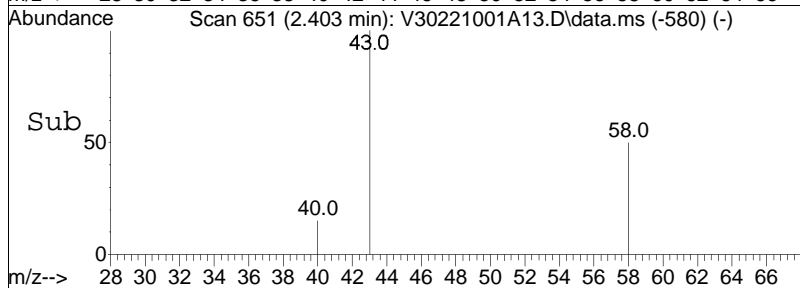
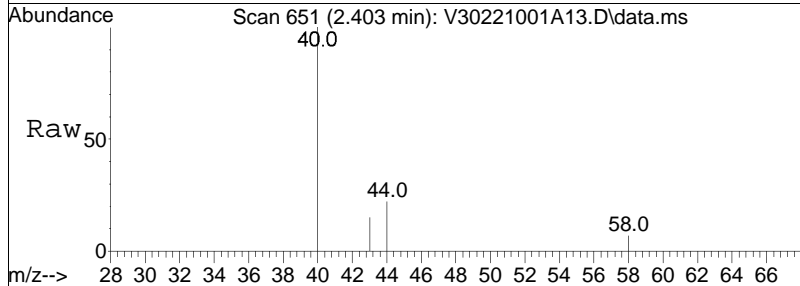
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 62 | 188623 | | |
| 64 | 31.8 | 9.1 | 49.1 |

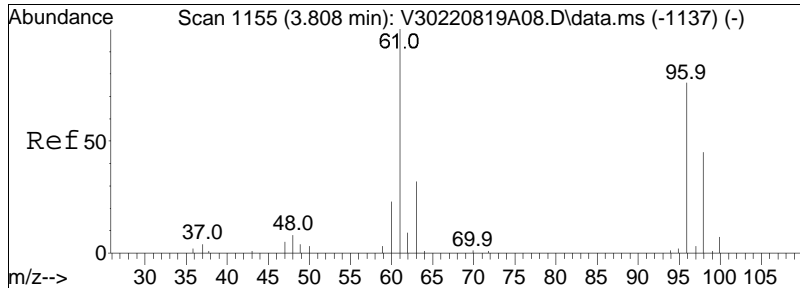




#17
 Acetone
 Concen: 0.64 ug/L
 RT: 2.403 min Scan# 651
 Delta R.T. -0.002 min
 Lab File: V30221001A13.D
 Acq: 01 Oct 2022 01:24 pm

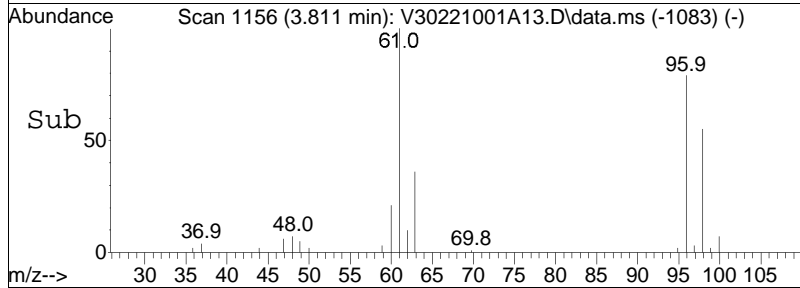
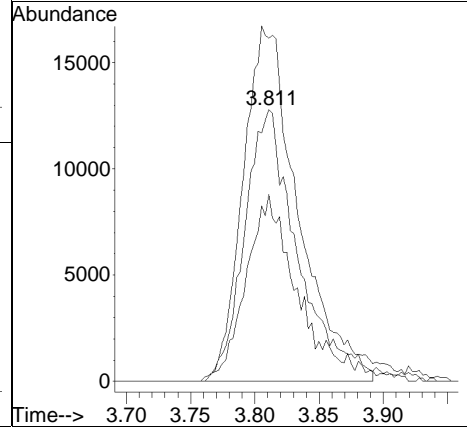
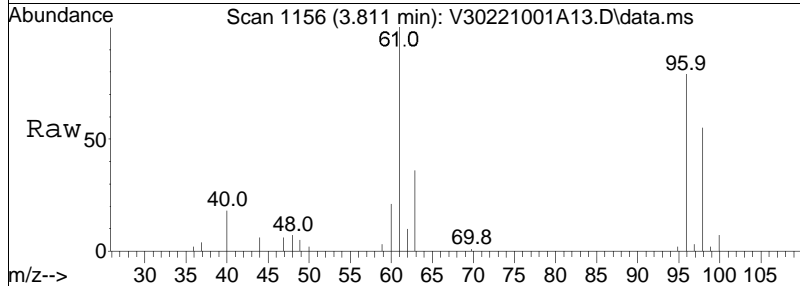
Tgt Ion: 43 Resp: 482
 Ion Ratio Lower Upper
 43 100
 58 7.7 24.2 36.4#





#28
 cis-1,2-Dichloroethene
 Concen: 6.76 ug/L
 RT: 3.811 min Scan# 1156
 Delta R.T. 0.003 min
 Lab File: V30221001A13.D
 Acq: 01 Oct 2022 01:24 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 96 | 36744 | | |
| 96 | 100 | | |
| 61 | 139.3 | 149.4 | 224.2# |
| 98 | 64.5 | 53.4 | 80.2 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A13.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:24 pm Instrument : VOA130
Sample : 12253502-06,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A14.D
 Acq On : 01 Oct 2022 01:44 pm
 Operator : VOA130:MKS
 Sample : 12253502-07,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 03 09:03:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 223027 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 77.36% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 187659 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 81.15% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 94865 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 116817 | | | Recovery = | 81.21% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.489 | 113 | 62998 | 10.696 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 106.96% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 52145 | 8.064 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 80.64% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 234452 | 9.618 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.18% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 84861 | 9.435 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.35% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 576536 | 110.945 | ug/L | | 100 |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 2.400 | 43 | 1435M1 | 1.950 | ug/L | | |
| 18) trans-1,2-Dichloroethene | 2.489 | 96 | 623M1 | 0.136 | ug/L | | |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 2501M1 | 0.280 | ug/L | | |
| 23) 1,1-Dichloroethane | 3.125 | 63 | 136 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.805 | 96 | 33010M1 | 6.255 | ug/L | | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 4.692 | 43 | 31 | N.D. | | | |
| 41) Benzene | 4.954 | 78 | 169 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.216 | 62 | 44 | N.D. | | | |
| 48) Trichloroethene | 5.671 | 95 | 1541M1 | 0.313 | ug/L | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.241 | 92 | 1173 | 0.086 | ug/L | | 97 |
| 63) Tetrachloroethene | 7.598 | 166 | 1121 | 0.194 | ug/L | | 75 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 8.549 | 91 | 237 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A14.D
 Acq On : 01 Oct 2022 01:44 pm
 Operator : VOA130:MKS
 Sample : 12253502-07,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 03 09:03:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 8.652 | 106 | 268 | | | N.D. |
| 77) o Xylene | 8.934 | 106 | 133 | | | N.D. |
| 85) n-Propylbenzene | 9.402 | 91 | 171 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 9.530 | 105 | 125 | | | N.D. |
| 94) tert-Butylbenzene | 9.715 | 119 | 221 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 659 | | | N.D. |
| 98) sec-Butylbenzene | 9.818 | 105 | 426 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 10.155 | 91 | 104 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

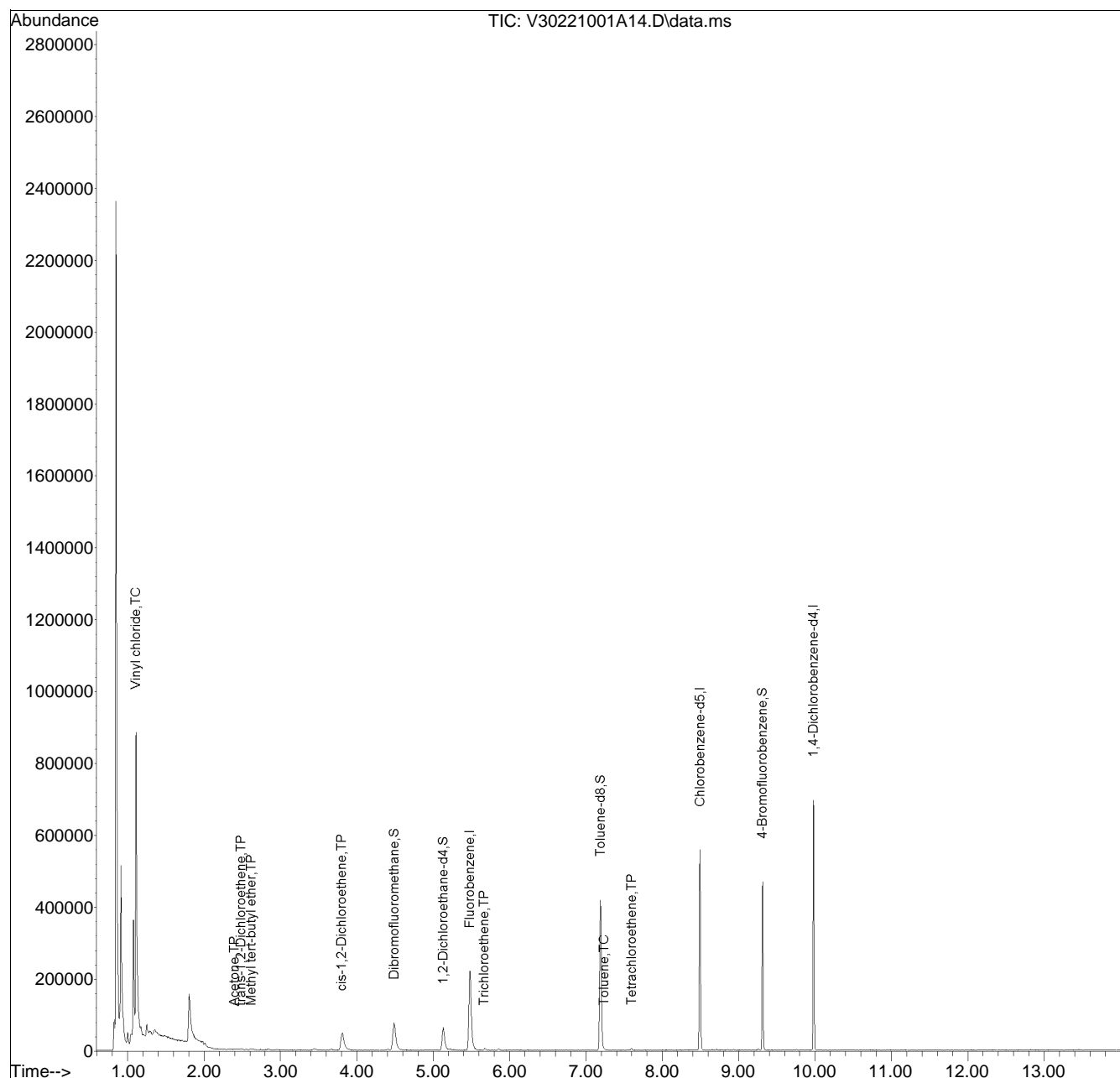
(#) = qualifier out of range (m) = manual integration (+) = signals summed

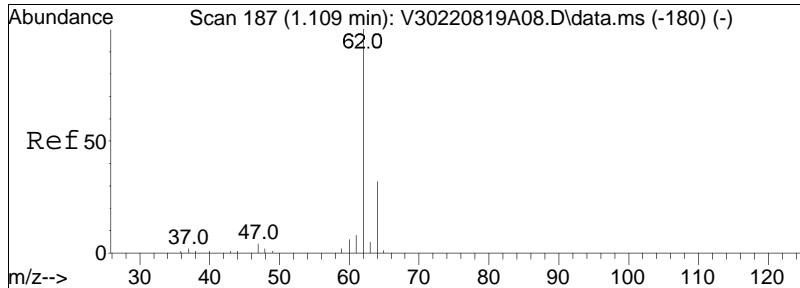
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A14.D
 Acq On : 01 Oct 2022 01:44 pm
 Operator : VOA130:MKS
 Sample : 12253502-07,31,10,10,,a,pri
 Misc : WG1694829,ICAL19274
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 03 09:03:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

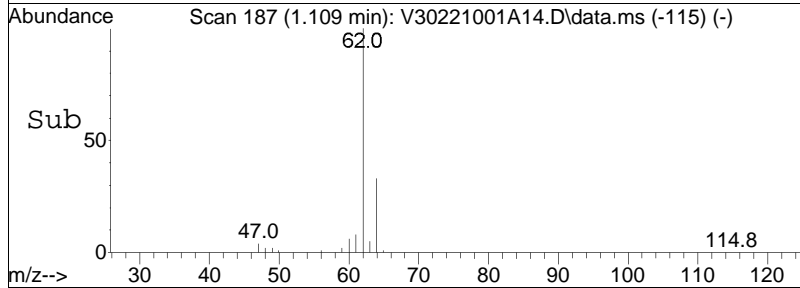
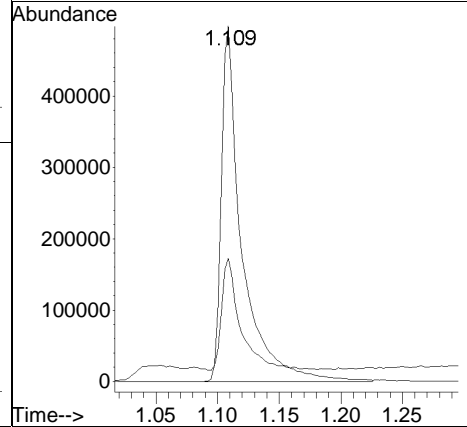
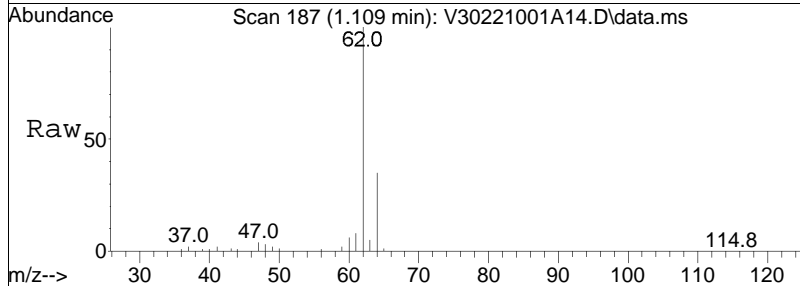
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

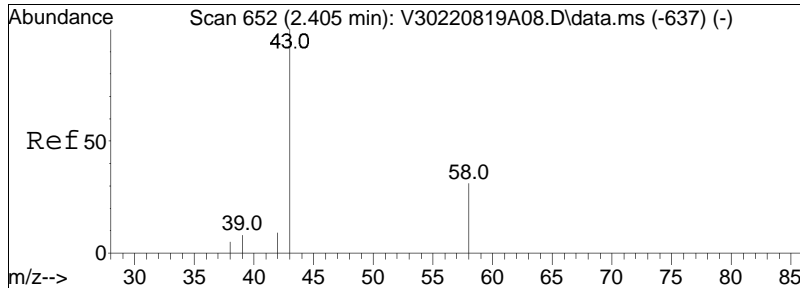




#4
 Vinyl chloride
 Concen: 110.94 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

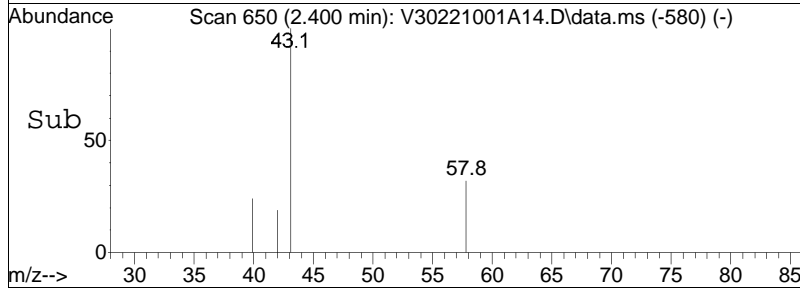
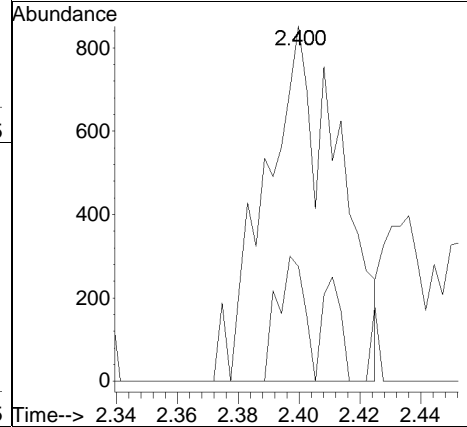
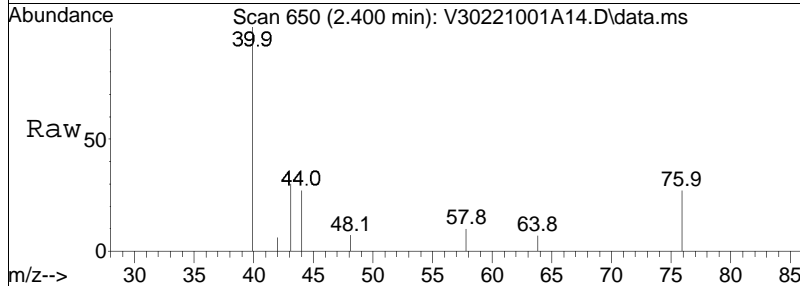
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 28.9 | 9.1 | 49.1 |

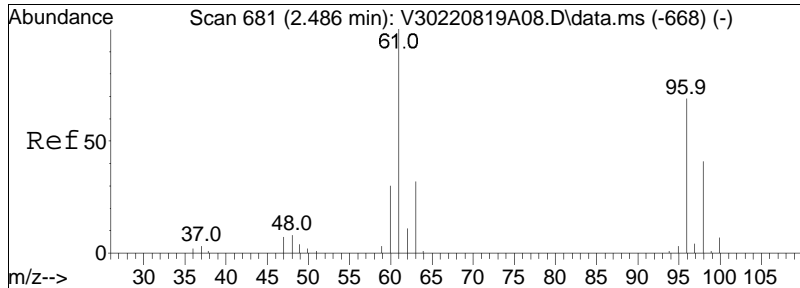




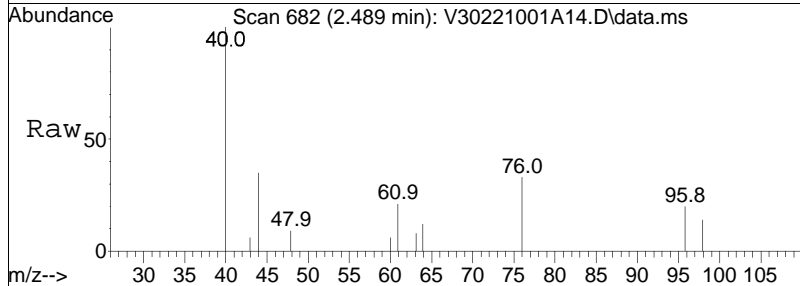
#17
 Acetone
 Concen: 1.95 ug/L M1
 RT: 2.400 min Scan# 650
 Delta R.T. -0.005 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 1435 | | |
| 58 | 12.9 | 24.2 | 36.4# |

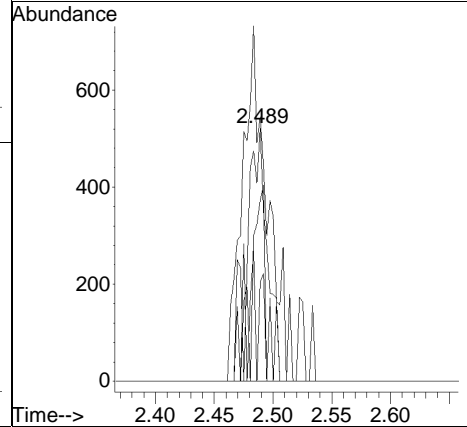
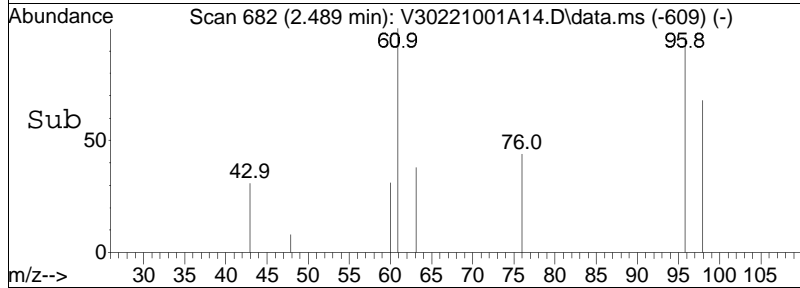


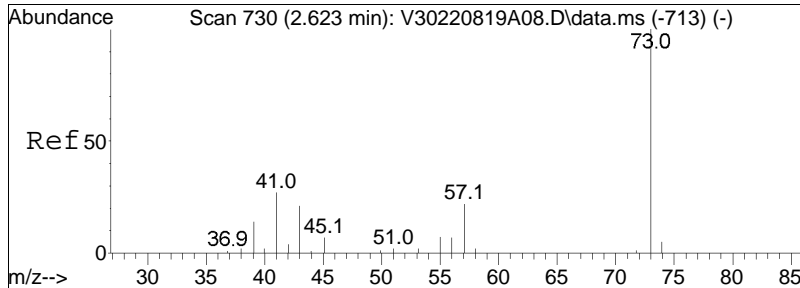


#18
 trans-1,2-Dichloroethene
 Concen: 0.14 ug/L M1
 RT: 2.489 min Scan# 682
 Delta R.T. 0.003 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm



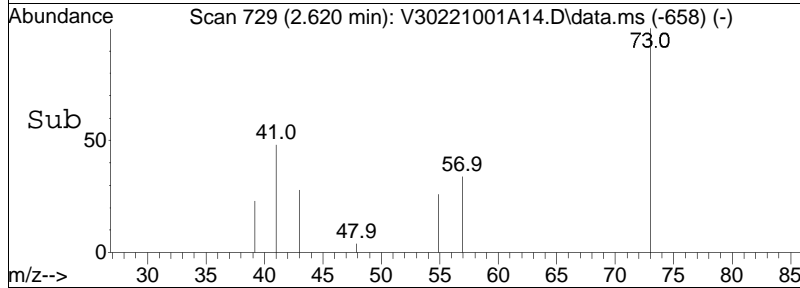
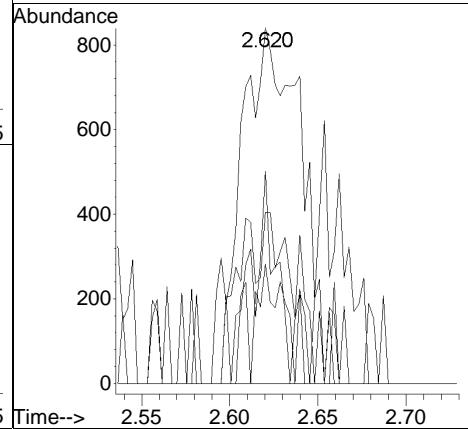
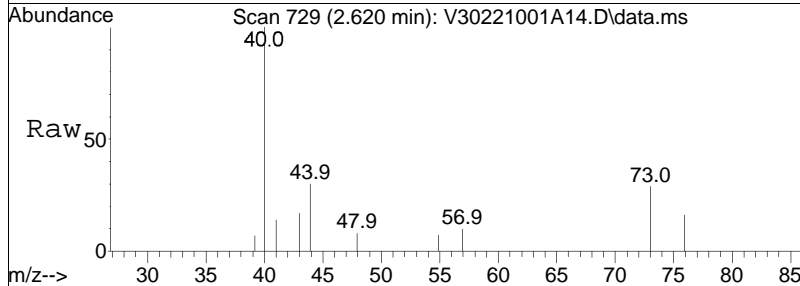
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 96 | 100 | | |
| 61 | 0.0 | 124.0 | 257.6# |
| 98 | 0.0 | 41.2 | 85.6# |
| 63 | 11.7 | 38.4 | 79.7# |

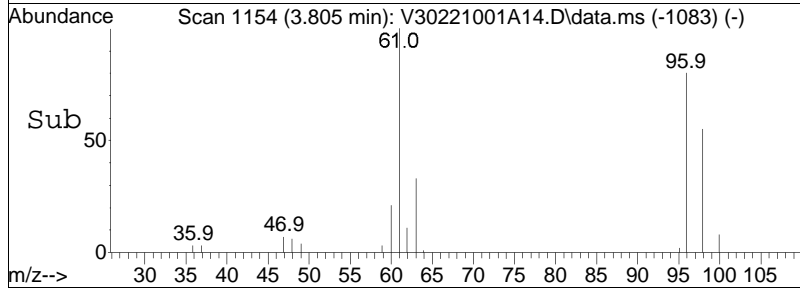
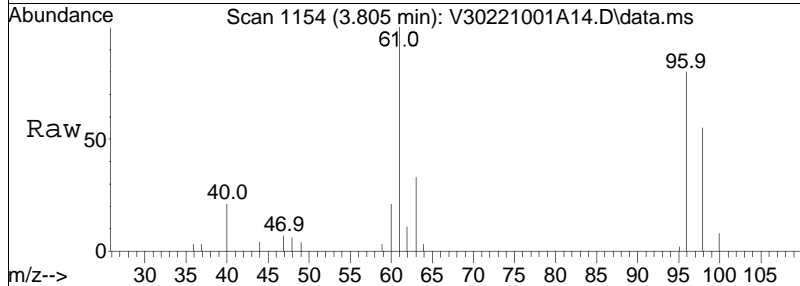
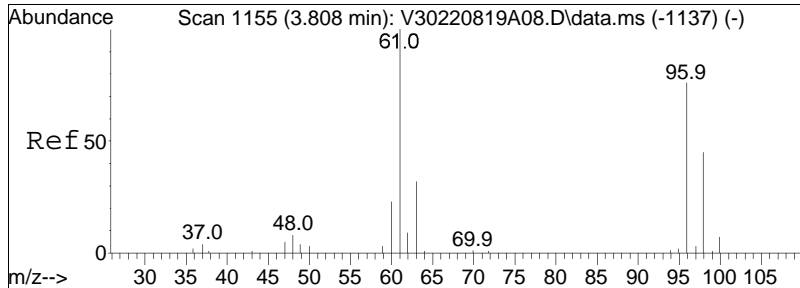




#20
 Methyl tert-butyl ether
 Concen: 0.28 ug/L M1
 RT: 2.620 min Scan# 729
 Delta R.T. -0.003 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

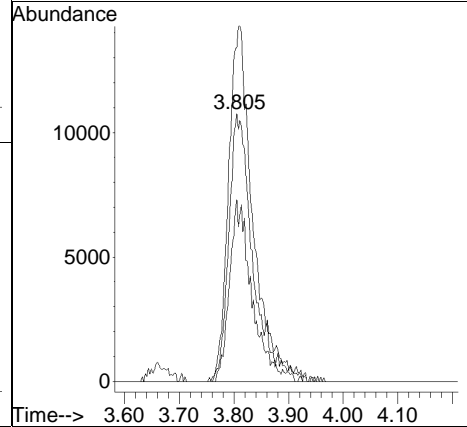
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 3.0 | 17.5 | 36.3# |
| 43 | 7.3 | 15.3 | 31.9# |
| 41 | 13.0 | 15.3 | 31.7# |

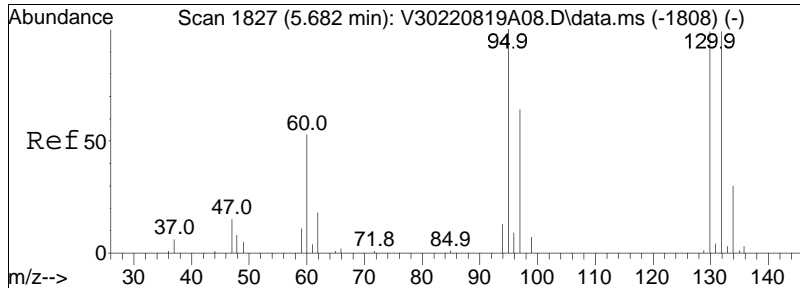




#28
 cis-1,2-Dichloroethene
 Concen: 6.26 ug/L M1
 RT: 3.805 min Scan# 1154
 Delta R.T. -0.003 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

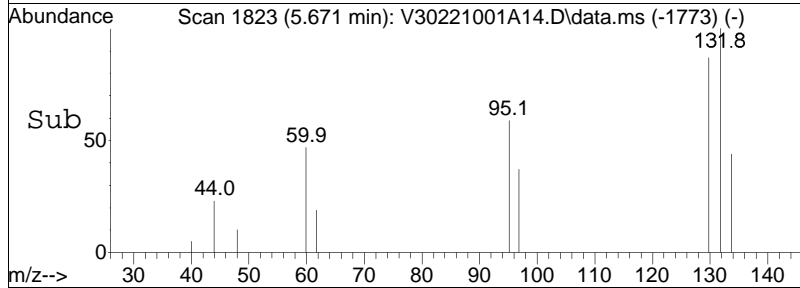
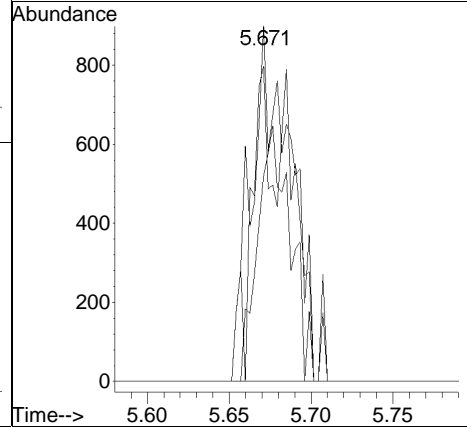
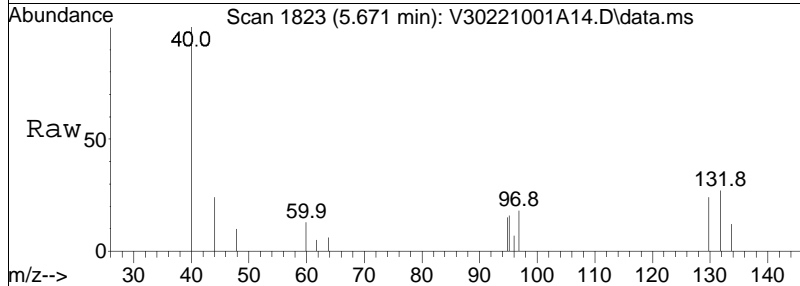
| Tgt Ion: | 96 | Resp: | 33010 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 128.2 | 149.4 | 224.2# |
| 98 | 25.8 | 53.4 | 80.2# |

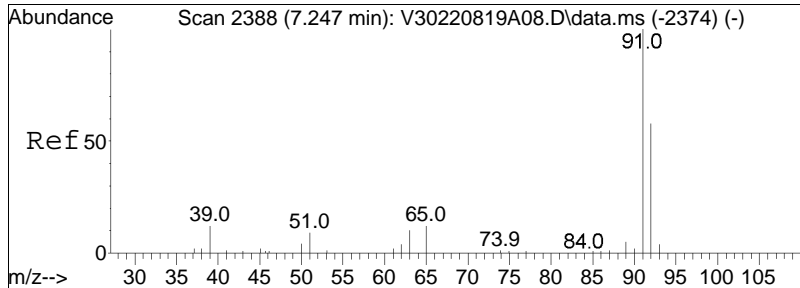




#48
 Trichloroethene
 Concen: 0.31 ug/L M1
 RT: 5.671 min Scan# 1823
 Delta R.T. -0.011 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

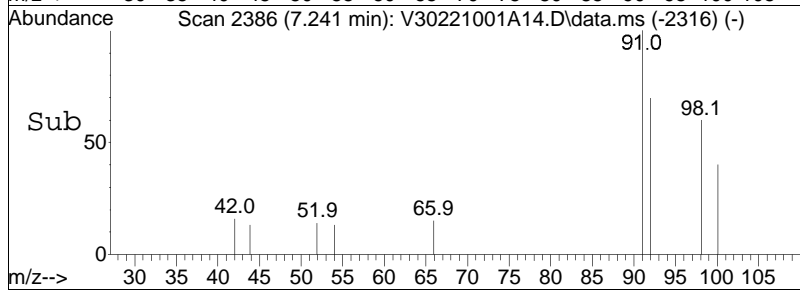
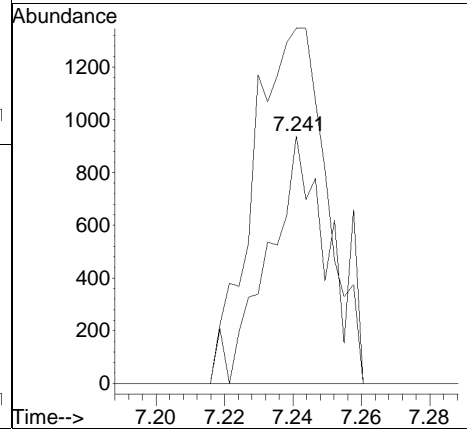
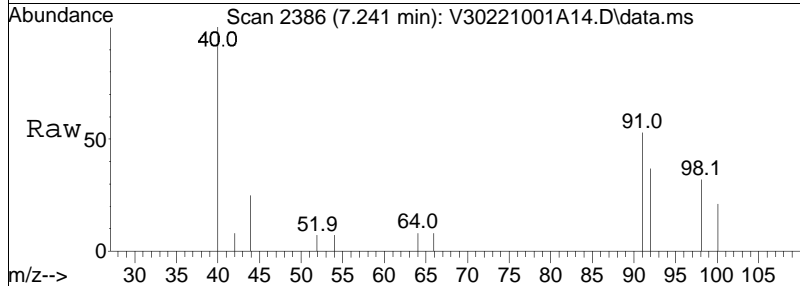
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 95 | 1541 | | |
| 95 | 100 | | |
| 97 | 58.8 | 55.5 | 83.3 |
| 132 | 47.7 | 76.6 | 115.0# |

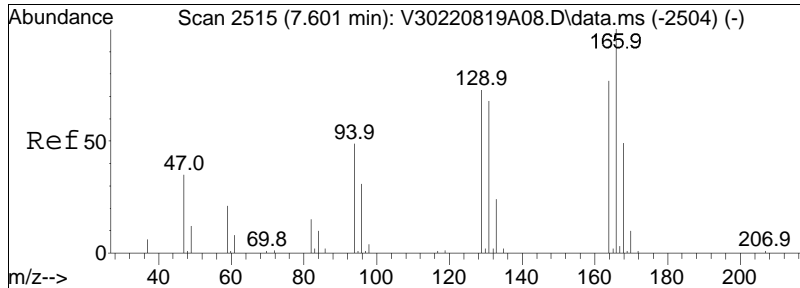




#61
 Toluene
 Concen: 0.09 ug/L
 RT: 7.241 min Scan# 2386
 Delta R.T. -0.006 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

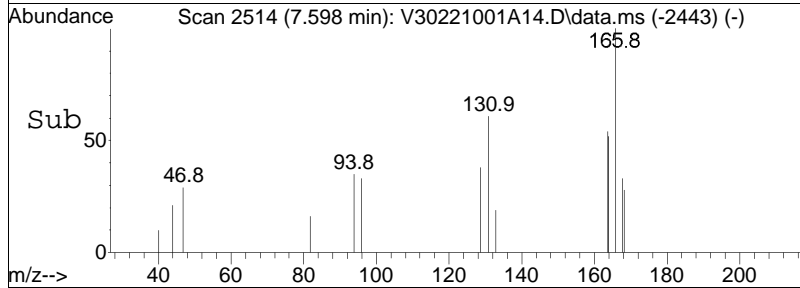
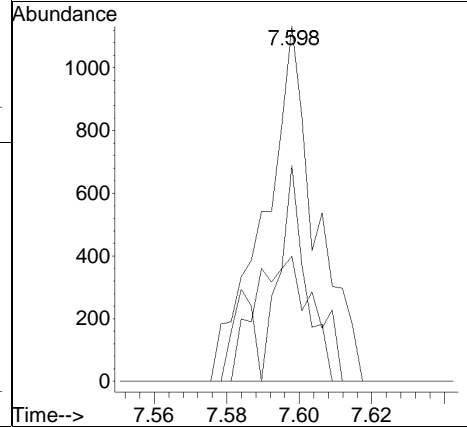
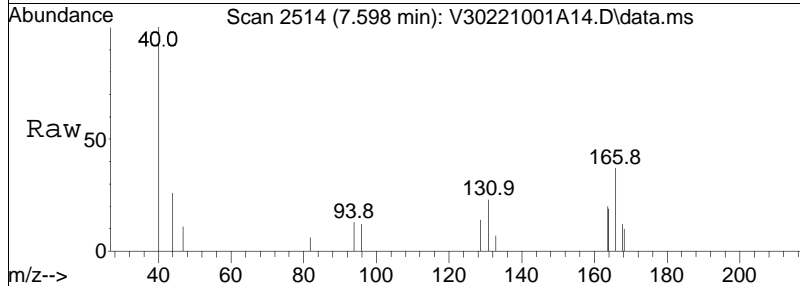
Tgt Ion: 92 Resp: 1173
 Ion Ratio Lower Upper
 92 100
 91 170.6 139.8 209.6





#63
 Tetrachloroethene
 Concen: 0.19 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30221001A14.D
 Acq: 01 Oct 2022 01:44 pm

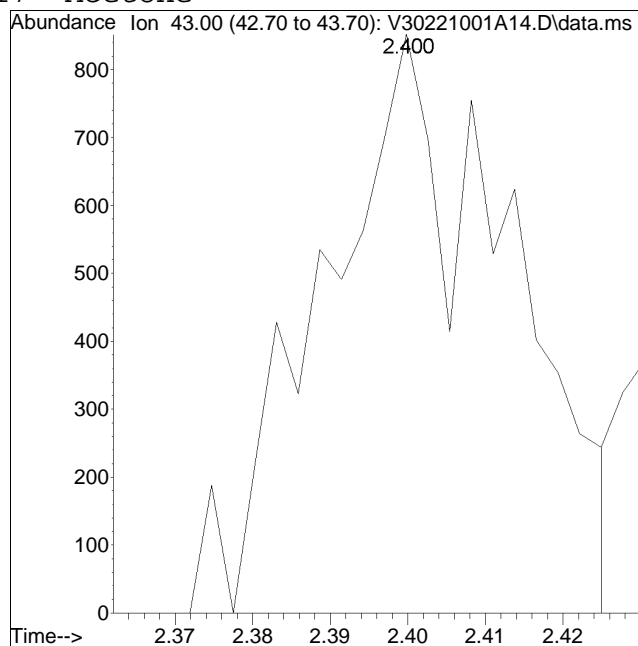
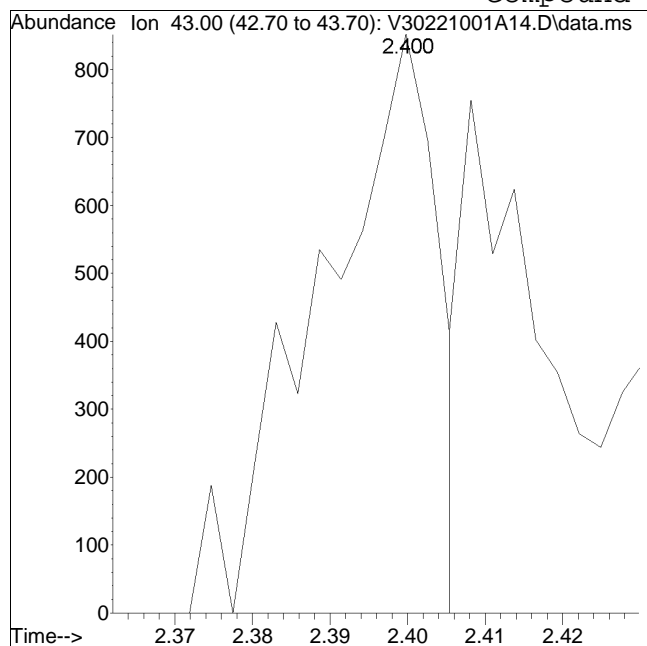
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 30.4 | 28.2 | 68.2 |
| 94 | 40.8 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A14.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:44 pm Instrument : VOA130
Sample : 12253502-07,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #17: Acetone



Original Peak Response = 905

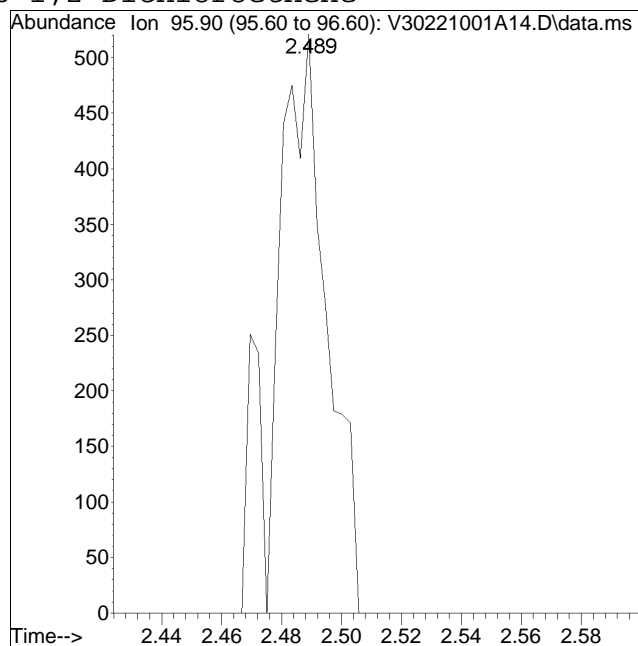
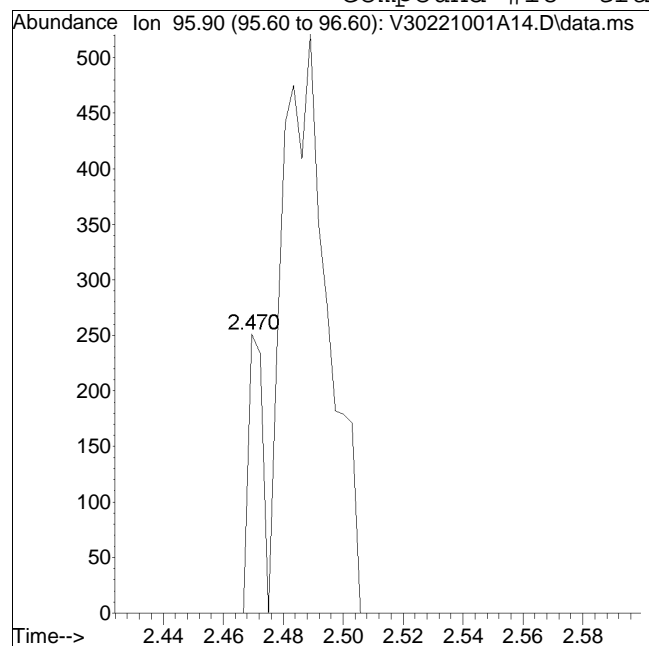
Manual Peak Response = 1435 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A14.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:44 pm Instrument : VOA130
Sample : 12253502-07,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 81

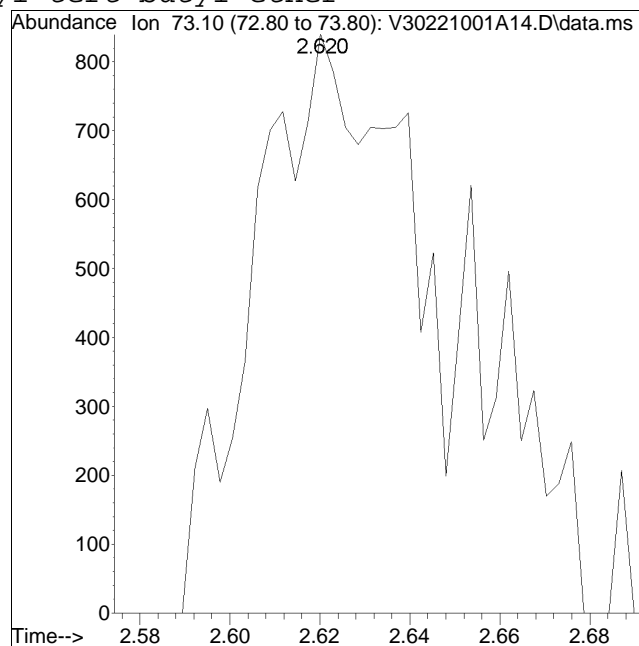
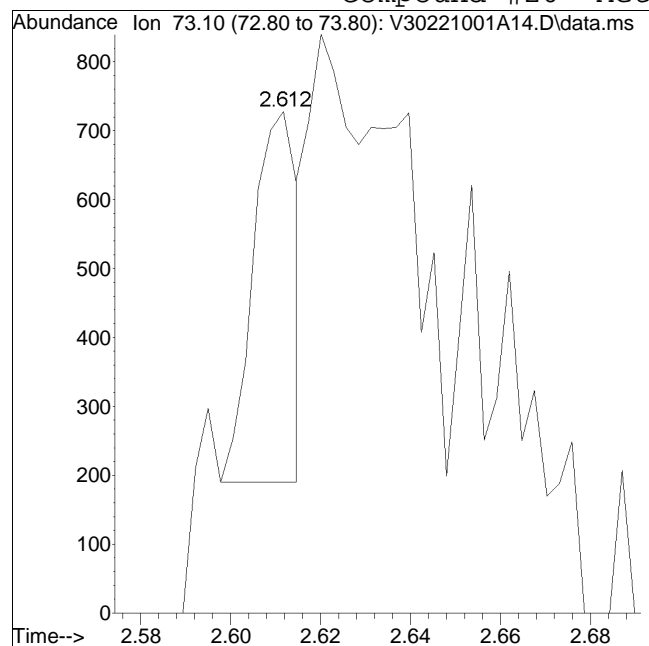
Manual Peak Response = 623 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A14.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:44 pm Instrument : VOA130
Sample : 12253502-07,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #20: Methyl tert-butyl ether



Original Peak Response = 360

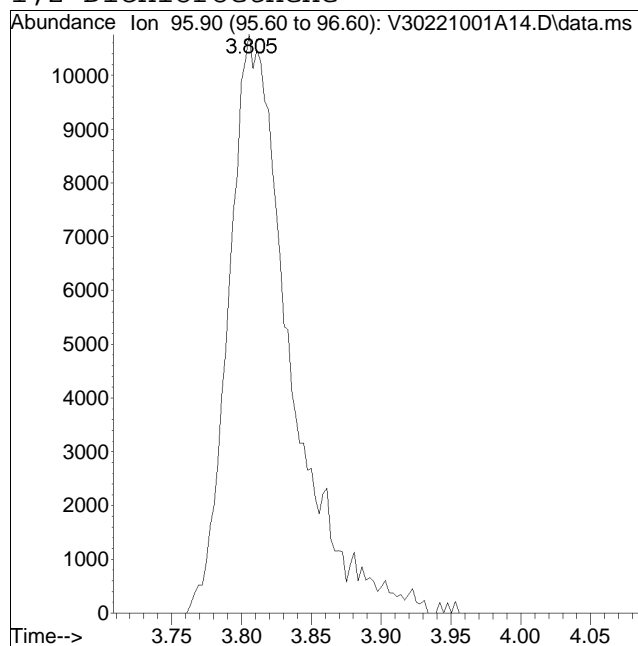
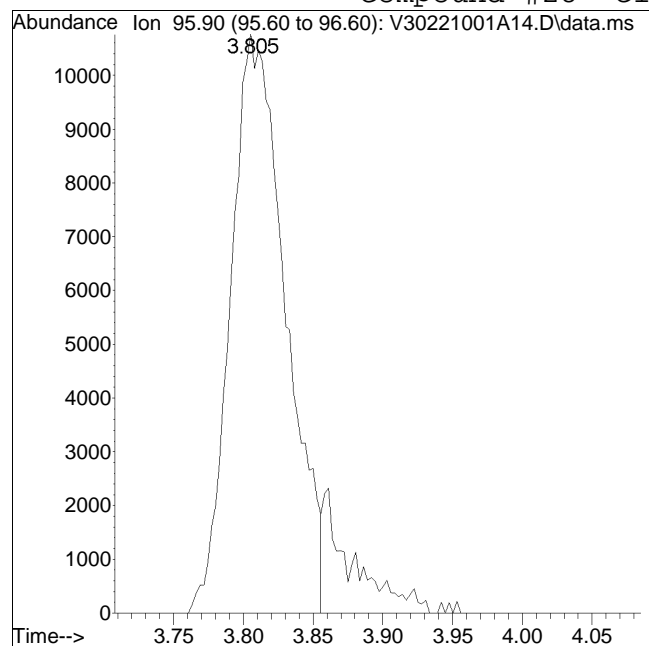
Manual Peak Response = 2501 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A14.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:44 pm Instrument : VOA130
Sample : 12253502-07,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 29578

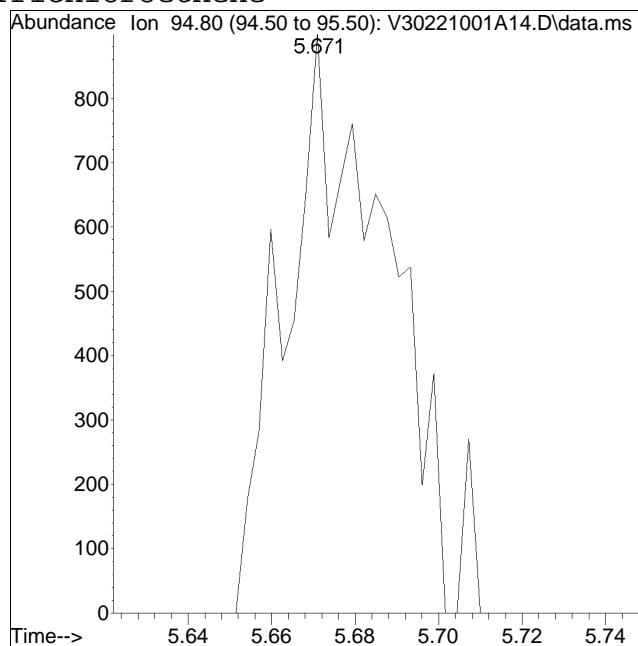
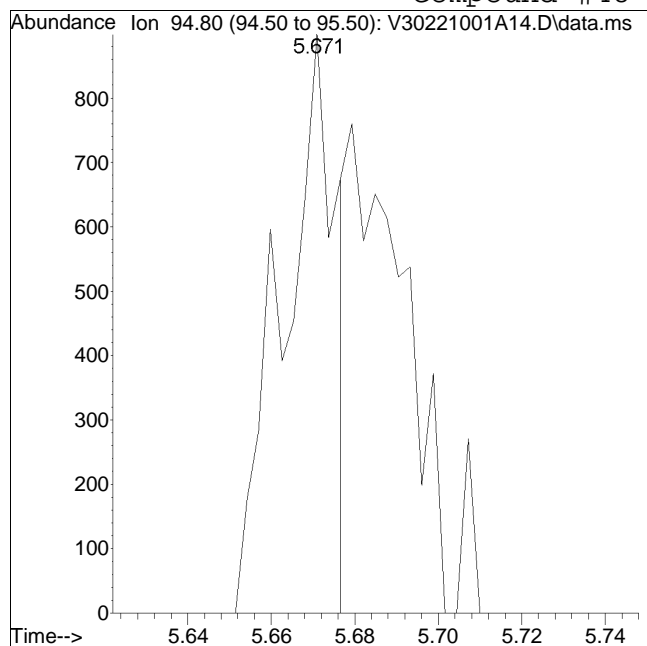
Manual Peak Response = 33010 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A14.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 1:44 pm Instrument : VOA130
Sample : 12253502-07,31,10,10,,a,prQuant Date : 10/3/2022 8:52 am

Compound #48: Trichloroethene



Original Peak Response = 787

Manual Peak Response = 1541 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A15.D
 Acq On : 01 Oct 2022 02:03 pm
 Operator : VOA130:MKS
 Sample : 12253502-09,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 09:03:38 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 238132 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 82.60% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 200501 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 86.70% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 105013 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 89.90% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 66932 | 10.643 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 106.43% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 57779 | 8.368 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 83.68% | | | |
| 60) Toluene-d8 | 7.188 | 98 | 247193 | 9.491 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.91% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 91210 | 9.161 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 91.61% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 55442 | 9.992 | ug/L | | 74 |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | | |
| 15) Methylene chloride | 2.338 | 84 | 694 | 0.137 | ug/L # | | 40 |
| 17) Acetone | 2.394 | 43 | 30836 | 39.235 | ug/L | | 99 |
| 18) trans-1,2-Dichloroethene | 2.492 | 96 | 107 | N.D. | | | |
| 20) Methyl tert-butyl ether | 2.628 | 73 | 478 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.805 | 96 | 43258 | 7.678 | ug/L # | | 74 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 4.681 | 43 | 63243 | 52.622 | ug/L # | | 76 |
| 41) Benzene | 4.949 | 78 | 456 | N.D. | | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | d | | |
| 48) Trichloroethene | 5.674 | 95 | 92 | N.D. | | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.238 | 92 | 437 | N.D. | | | |
| 63) Tetrachloroethene | 7.590 | 166 | 127 | N.D. | | | |
| 73) Chlorobenzene | 8.607 | 112 | 231 | N.D. | | | |
| 74) Ethylbenzene | 8.546 | 91 | 112 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A15.D
 Acq On : 01 Oct 2022 02:03 pm
 Operator : VOA130:MKS
 Sample : 12253502-09,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 09:03:38 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.310 | 91 | 328 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 152 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

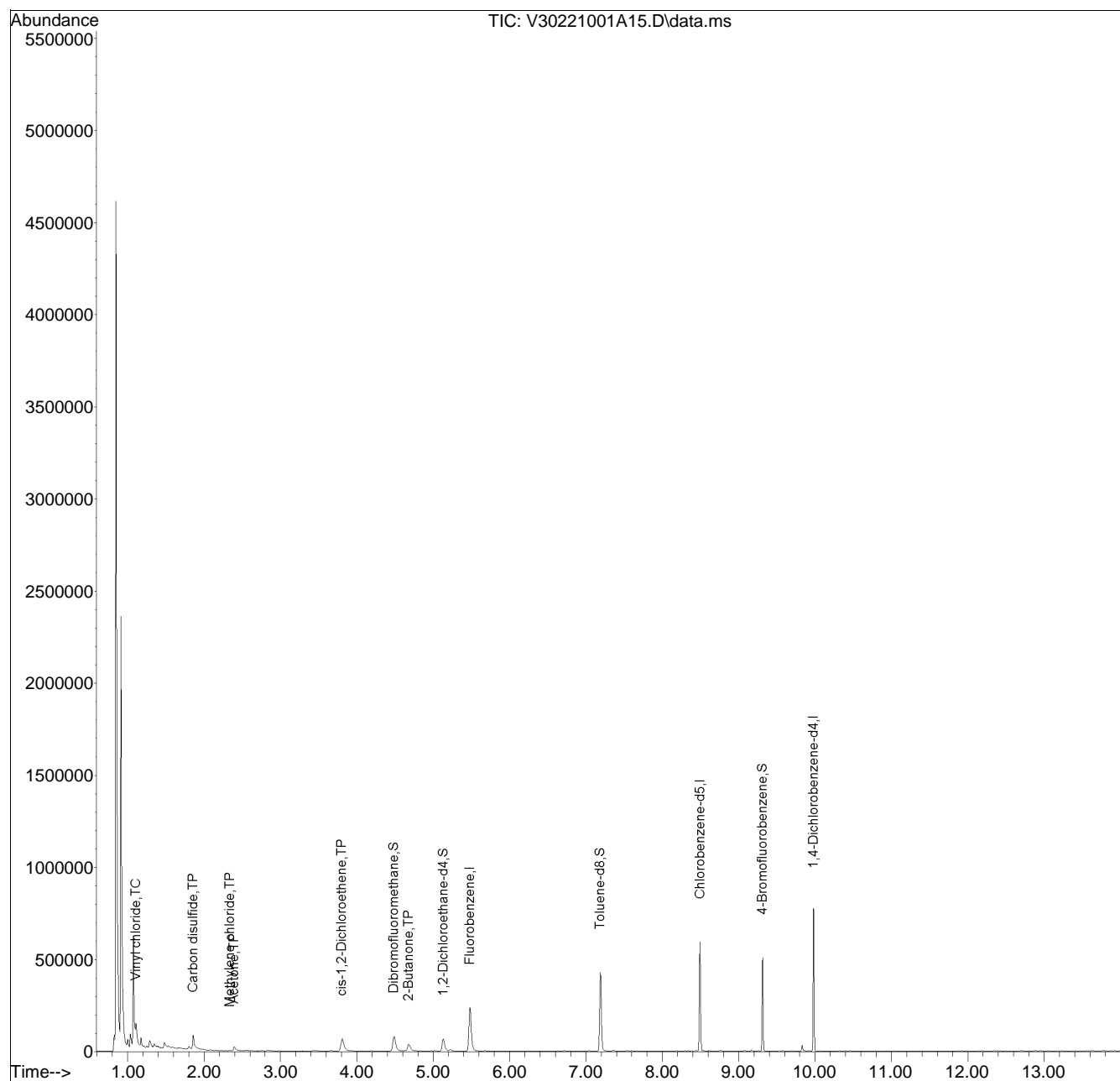
(#) = qualifier out of range (m) = manual integration (+) = signals summed

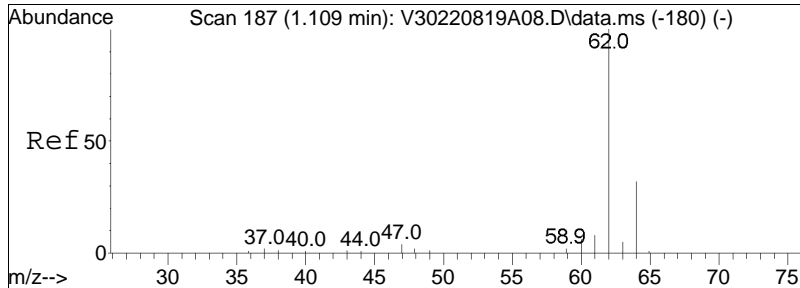
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A15.D
Acq On : 01 Oct 2022 02:03 pm
Operator : VOA130:MKS
Sample : 12253502-09,31,10,10,,a
Misc : WG1694829,ICAL19274
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 09:03:38 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

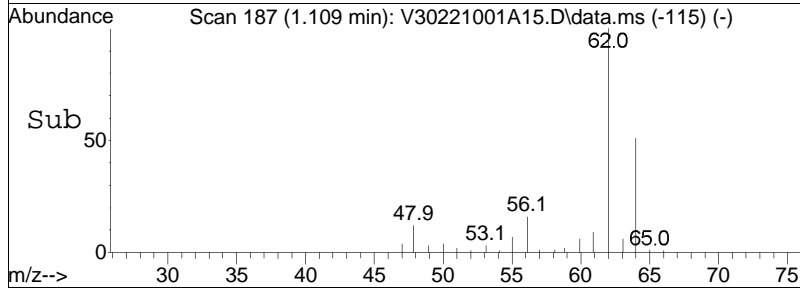
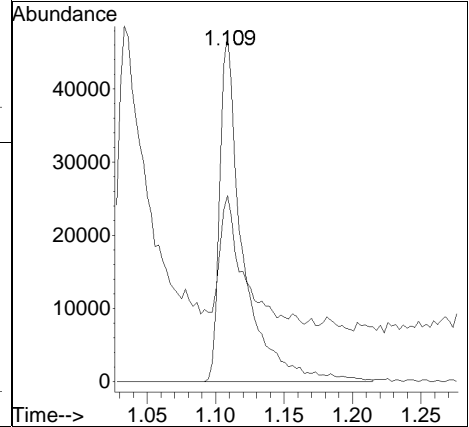
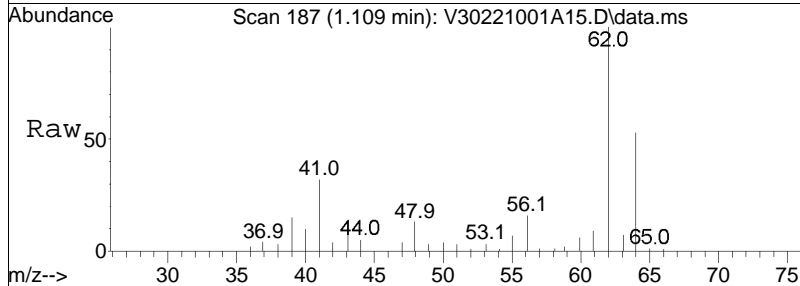
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

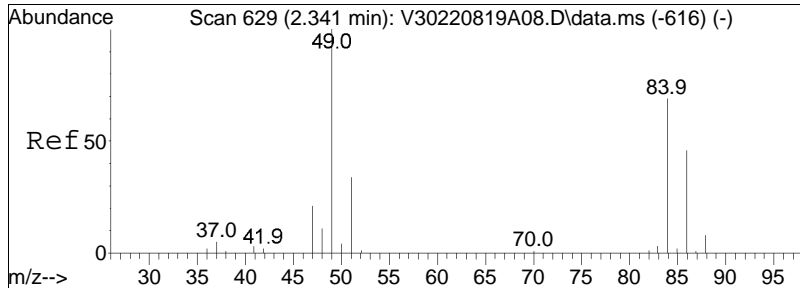




#4
 Vinyl chloride
 Concen: 9.99 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A15.D
 Acq: 01 Oct 2022 02:03 pm

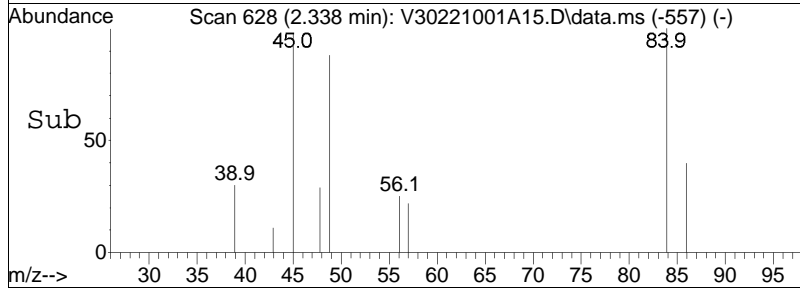
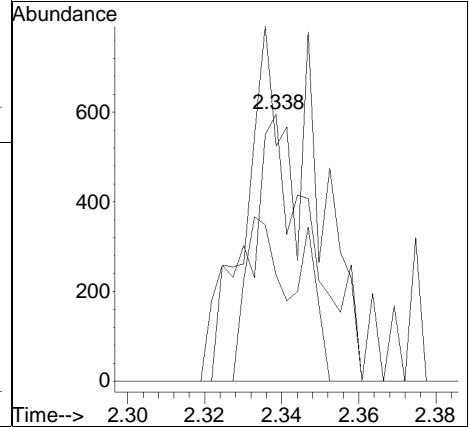
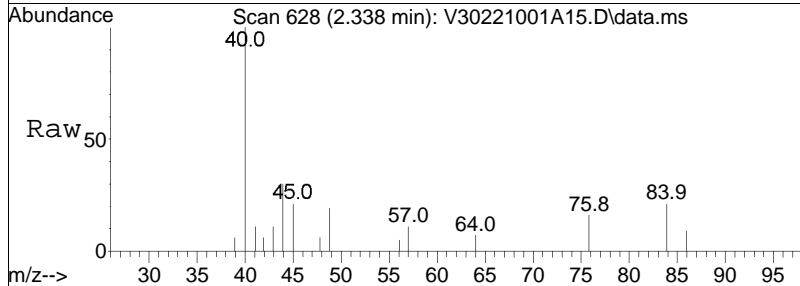
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 62 | 100 | | |
| 64 | 43.0 | 9.1 | 49.1 |

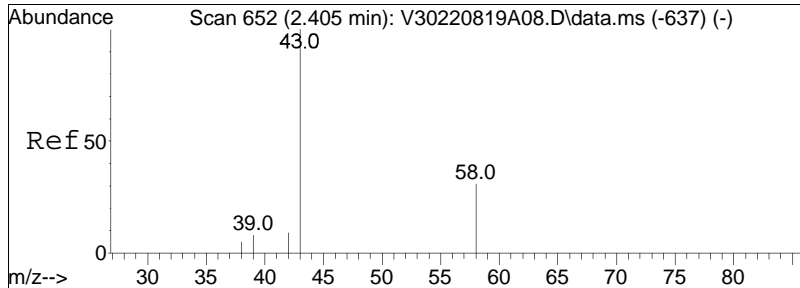




#15
 Methylene chloride
 Concen: 0.14 ug/L
 RT: 2.338 min Scan# 628
 Delta R.T. -0.003 min
 Lab File: V30221001A15.D
 Acq: 01 Oct 2022 02:03 pm

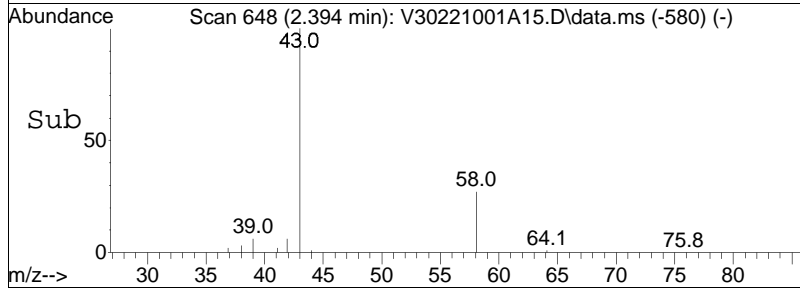
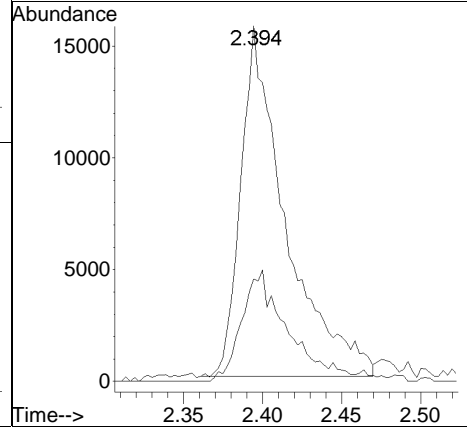
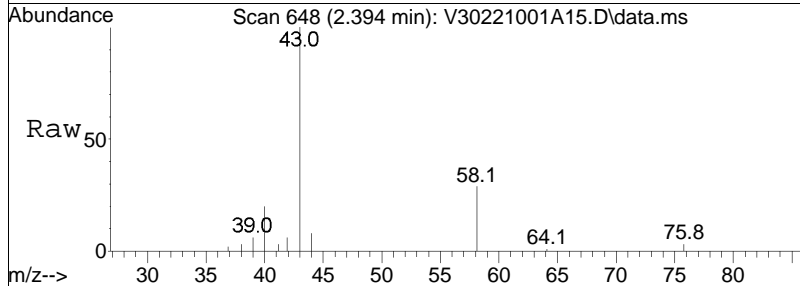
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 84 | 100 | | |
| 86 | 32.9 | 40.4 | 83.8# |
| 49 | 88.0 | 120.0 | 249.2# |

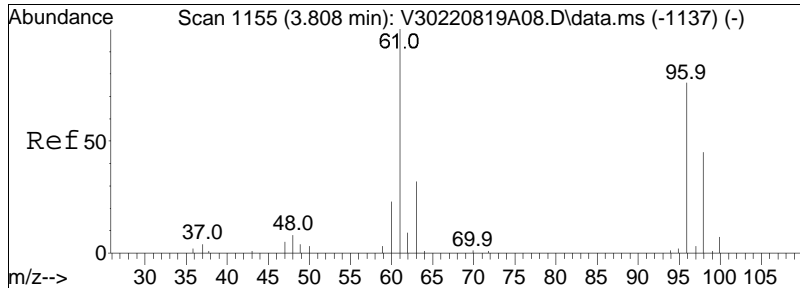




#17
 Acetone
 Concen: 39.24 ug/L
 RT: 2.394 min Scan# 648
 Delta R.T. -0.011 min
 Lab File: V30221001A15.D
 Acq: 01 Oct 2022 02:03 pm

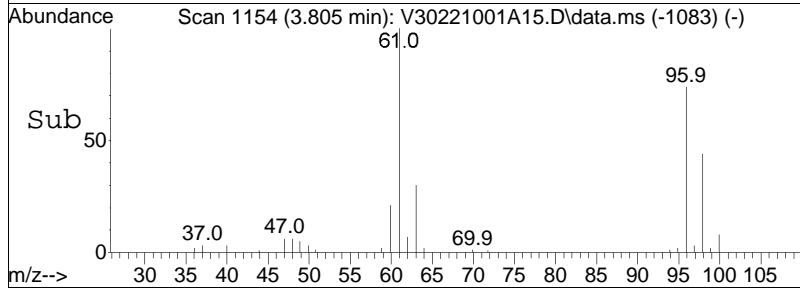
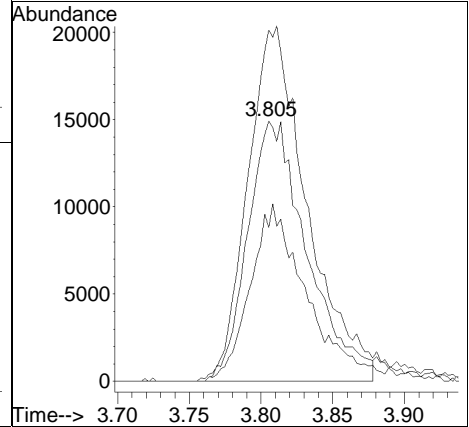
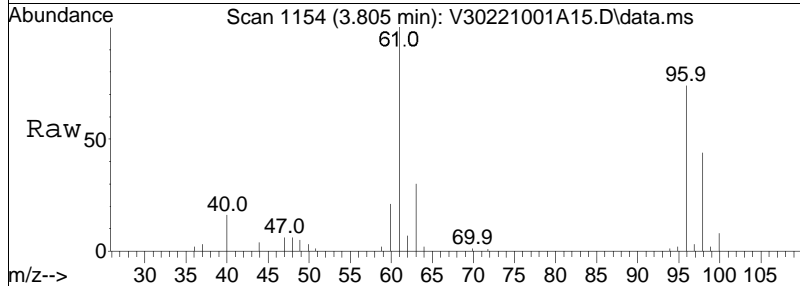
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 30.9 | 24.2 | 36.4 |

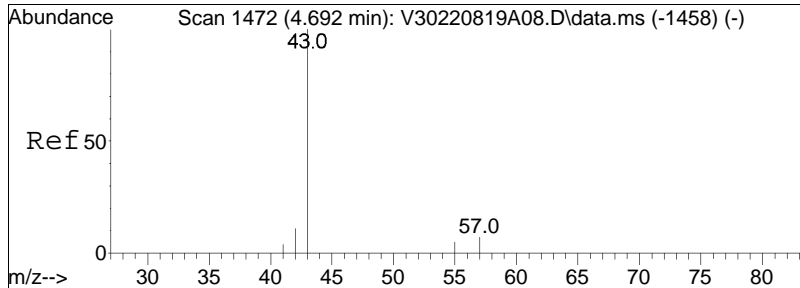




#28
 cis-1,2-Dichloroethene
 Concen: 7.68 ug/L
 RT: 3.805 min Scan# 1154
 Delta R.T. -0.003 min
 Lab File: V30221001A15.D
 Acq: 01 Oct 2022 02:03 pm

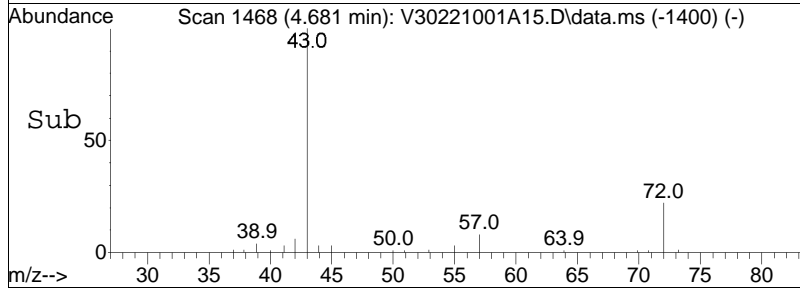
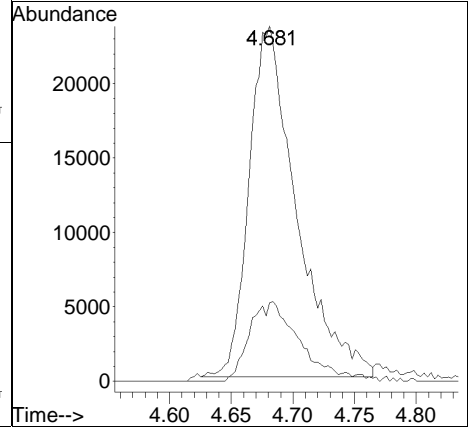
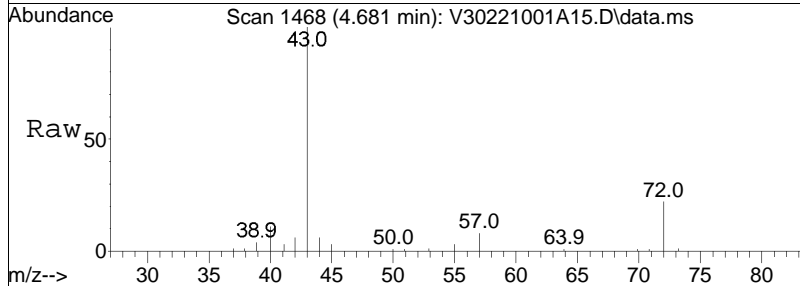
| Tgt Ion: | 96 | Resp: | 43258 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.6 | 149.4 | 224.2# |
| 98 | 64.2 | 53.4 | 80.2 |





#39
 2-Butanone
 Concen: 52.62 ug/L
 RT: 4.681 min Scan# 1468
 Delta R.T. -0.011 min
 Lab File: V30221001A15.D
 Acq: 01 Oct 2022 02:03 pm

Tgt Ion: 43 Resp: 63243
 Ion Ratio Lower Upper
 43 100
 72 23.1 10.9 16.3#



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A15.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 2:03 pm Instrument : VOA130
Sample : 12253502-09,31,10,10,,a Quant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A16.D
 Acq On : 01 Oct 2022 02:23 pm
 Operator : VOA130:MKS
 Sample : 12253502-10d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 09:03:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.479 | 96 | 232687 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 80.71% | | | |
| 59) Chlorobenzene-d5 | 8.490 | 117 | 191863 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 231257 | | | Recovery = | 82.97% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 94635 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 81.01% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.489 | 113 | 68355 | 11.124 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 111.24% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 59522 | 8.822 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 88.22% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 240386 | 9.646 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.46% | | | |
| 83) 4-Bromofluorobenzene | 9.310 | 95 | 88799 | 9.897 | ug/L | -0.01 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.97% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.109 | 62 | 241879 | 44.613 | ug/L | | 94 |
| 10) 1,1-Dichloroethene | 1.859 | 96 | 921M1 | 0.208 | ug/L | | |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | d | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 2.484 | 96 | 975 | 0.203 | ug/L # | | 87 |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 795305 | 144.456 | ug/L # | | 74 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 4.692 | 43 | 32 | N.D. | | | |
| 41) Benzene | 4.954 | 78 | 59 | N.D. | | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 48) Trichloroethene | 5.674 | 95 | 11432 | 2.227 | ug/L | | 96 |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 7.598 | 166 | 28668 | 4.858 | ug/L | | 94 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 8.493 | 91 | 333 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A16.D
 Acq On : 01 Oct 2022 02:23 pm
 Operator : VOA130:MKS
 Sample : 12253502-10d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 09:03:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.405 | 91 | 33 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 9.985 | 146 | 172 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 9.985 | 146 | 172 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 243 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 10.228 | 146 | 155 | | | N.D. |

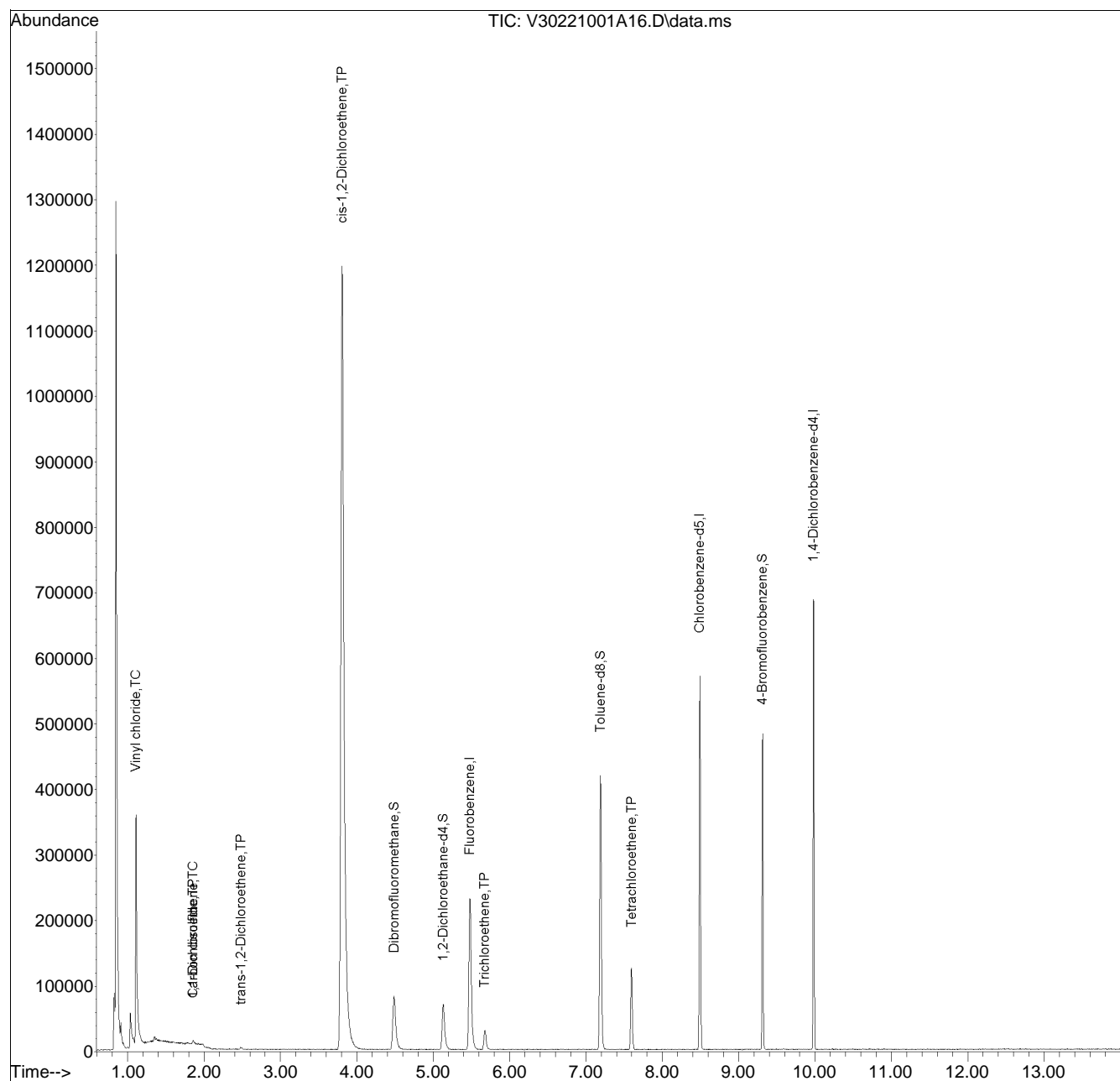
(#) = qualifier out of range (m) = manual integration (+) = signals summed

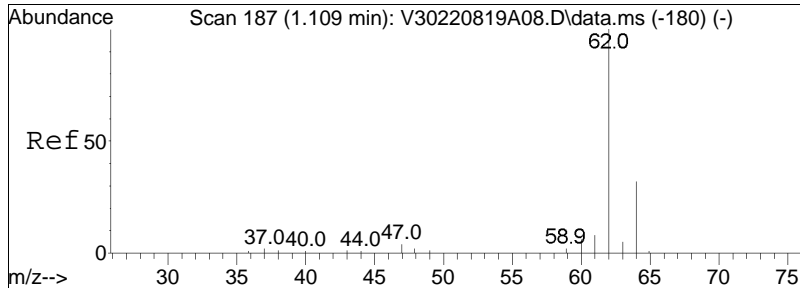
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A16.D
 Acq On : 01 Oct 2022 02:23 pm
 Operator : VOA130:MKS
 Sample : 12253502-10d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 09:03:56 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

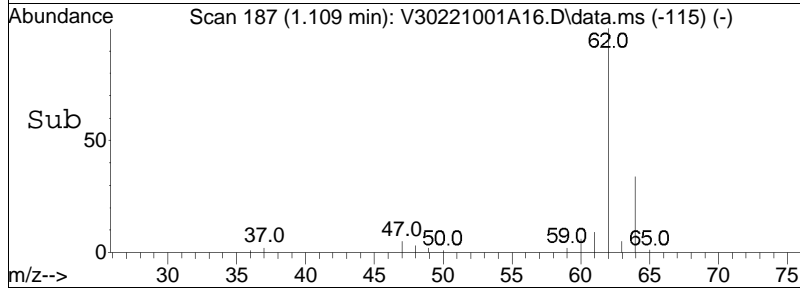
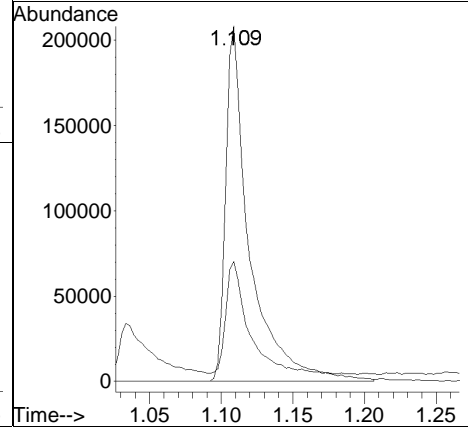
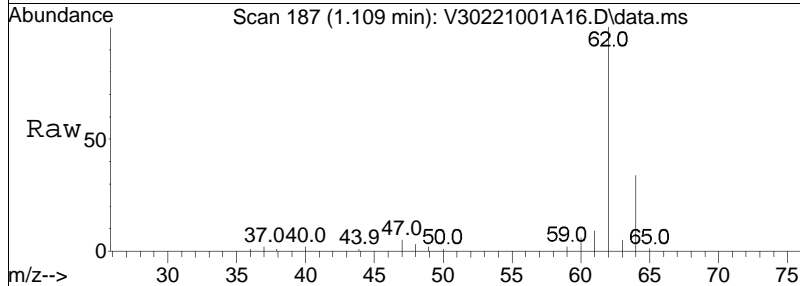
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

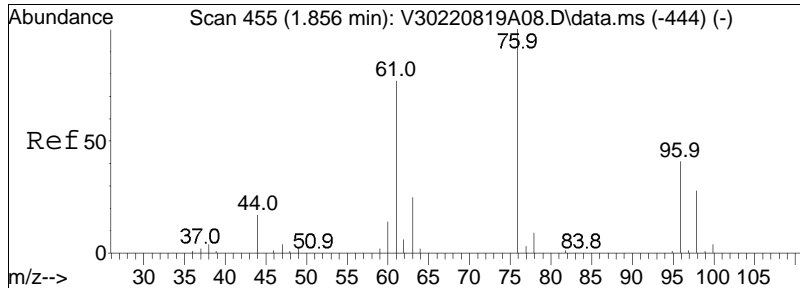




#4
 Vinyl chloride
 Concen: 44.61 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

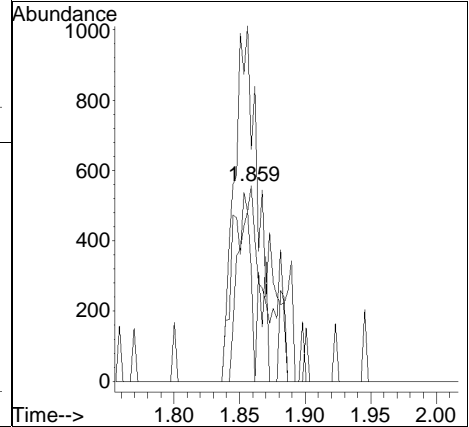
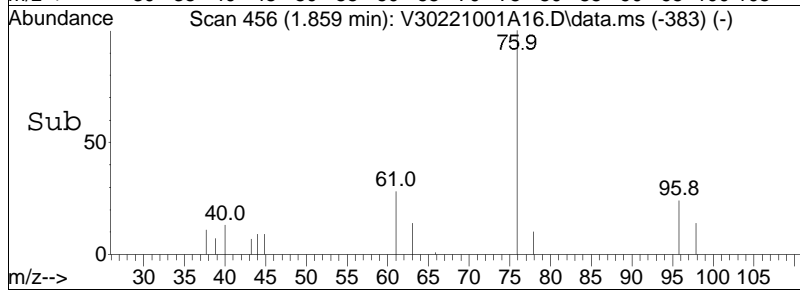
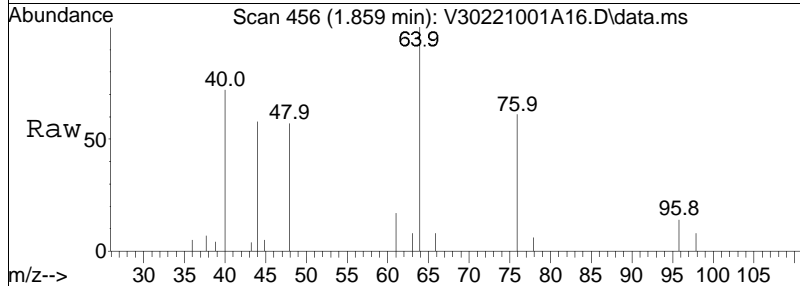
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 32.5 | 9.1 | 49.1 |

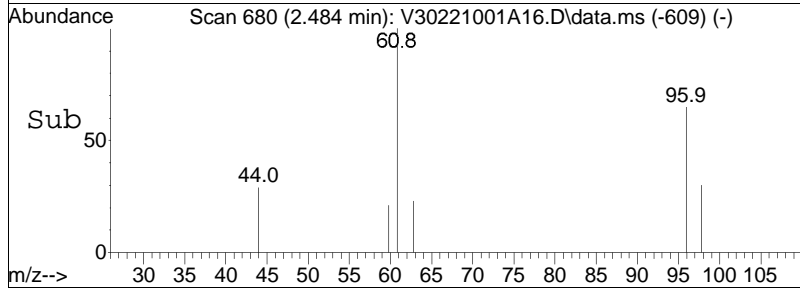
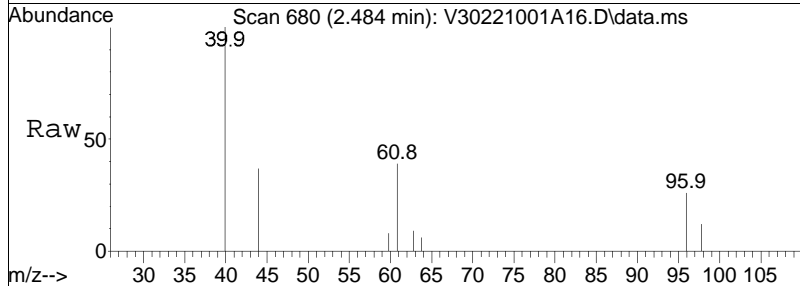
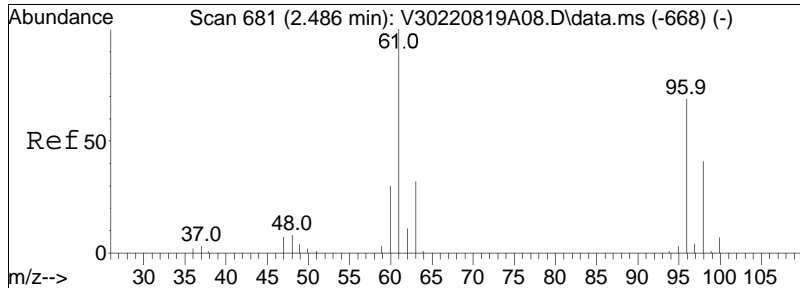




#10
 1,1-Dichloroethene
 Concen: 0.21 ug/L M1
 RT: 1.859 min Scan# 456
 Delta R.T. 0.003 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

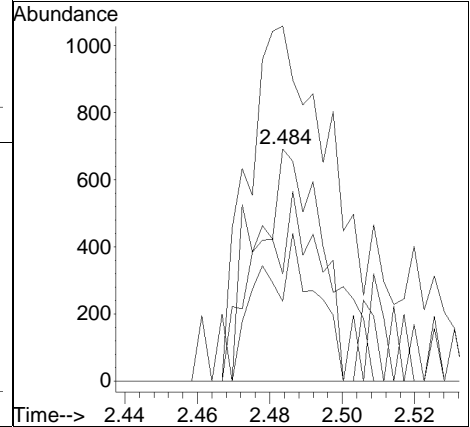
| Tgt Ion: | Resp: | | |
|----------|-------|-------|--------|
| Ion | Ratio | Lower | Upper |
| 96 | 100 | | |
| 61 | 152.9 | 186.1 | 279.1# |
| 63 | 38.8 | 57.6 | 86.4# |

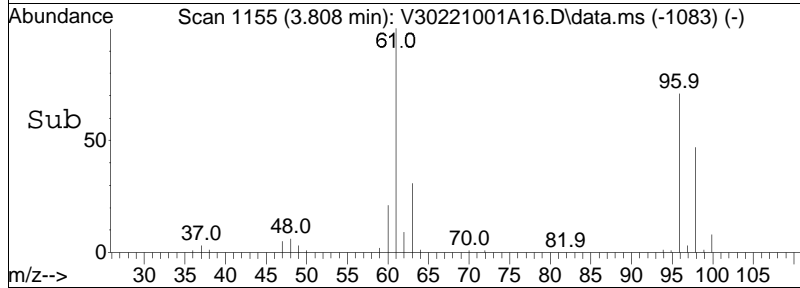
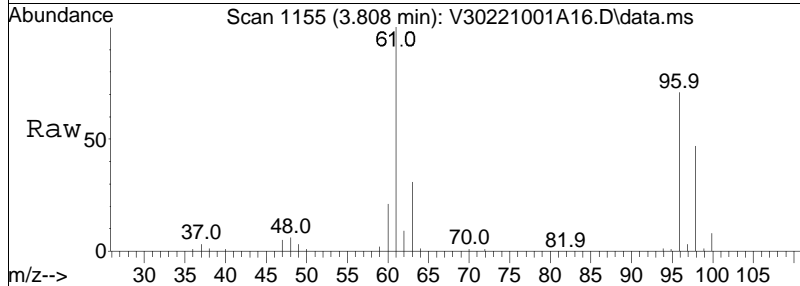
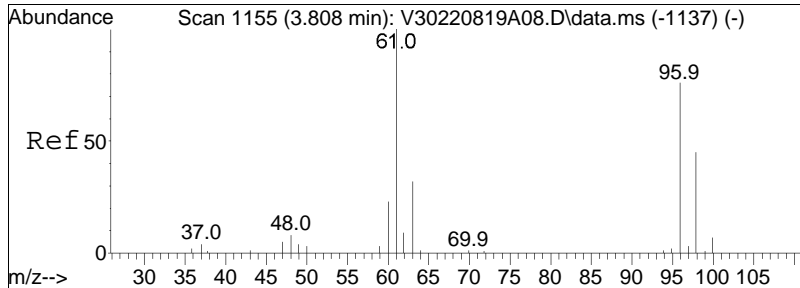




#18
 trans-1,2-Dichloroethene
 Concen: 0.20 ug/L
 RT: 2.484 min Scan# 680
 Delta R.T. -0.002 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

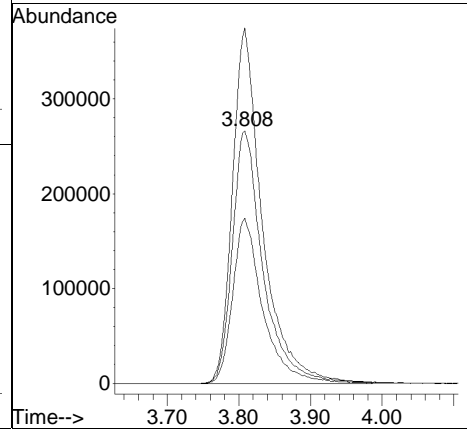
| Tgt Ion: | 96 | Resp: | 975 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 187.7 | 124.0 | 257.6 |
| 98 | 73.0 | 41.2 | 85.6 |
| 63 | 22.9 | 38.4 | 79.7# |

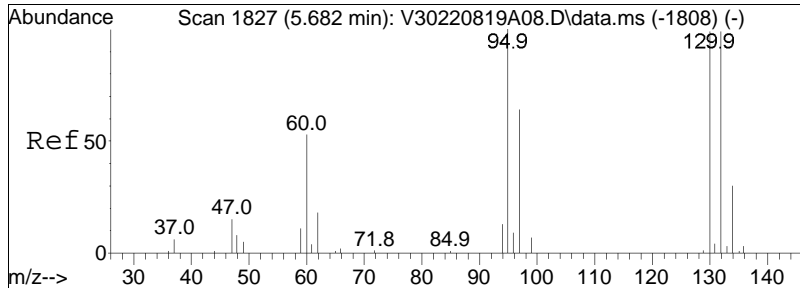




#28
 cis-1,2-Dichloroethene
 Concen: 144.46 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

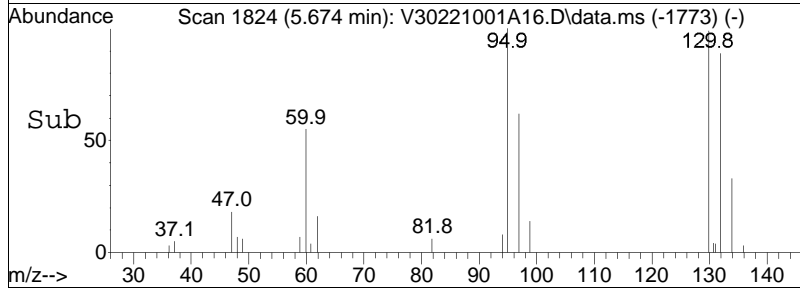
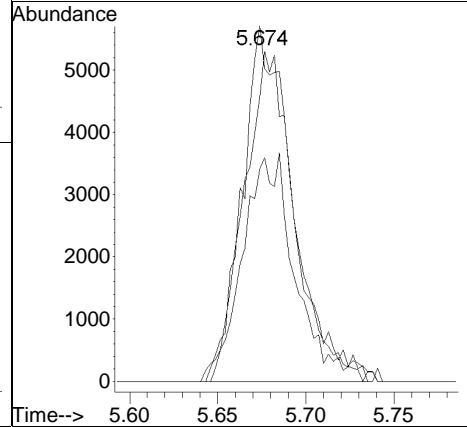
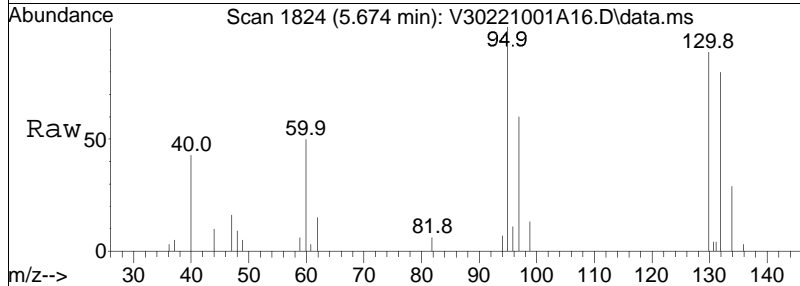
| Tgt Ion: | 96 | Resp: | 795305 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.2 | 149.4 | 224.2# |
| 98 | 64.3 | 53.4 | 80.2 |

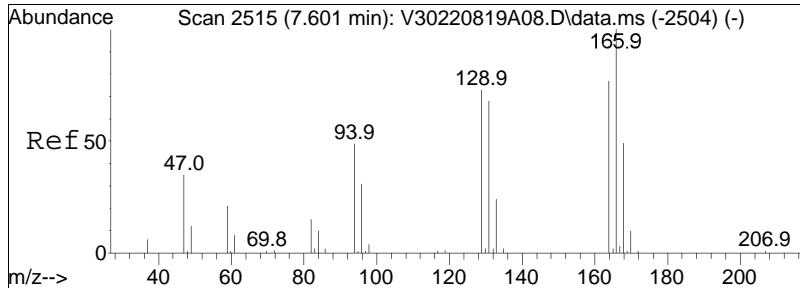




#48
 Trichloroethene
 Concen: 2.23 ug/L
 RT: 5.674 min Scan# 1824
 Delta R.T. -0.008 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

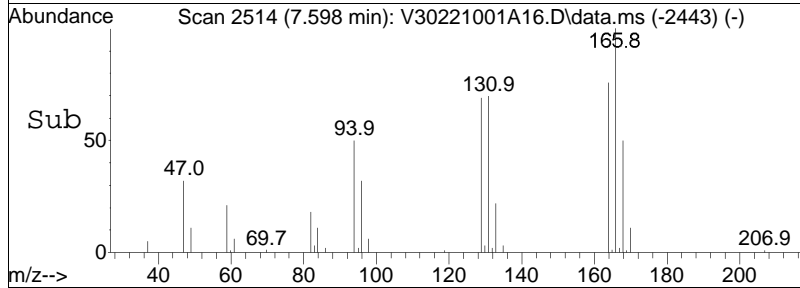
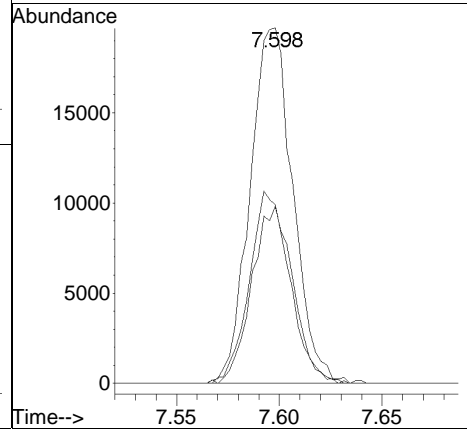
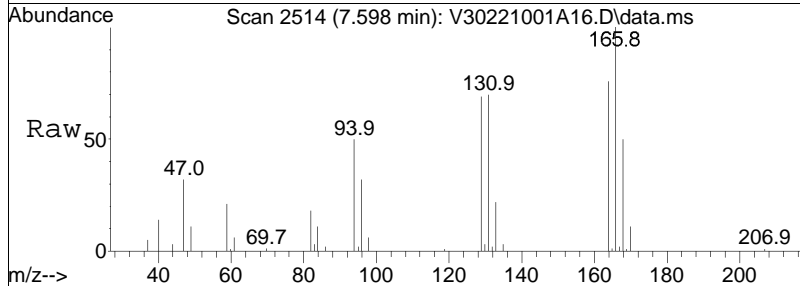
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 11432 | | |
| 95 | 100 | | |
| 97 | 65.1 | 55.5 | 83.3 |
| 132 | 93.2 | 76.6 | 115.0 |





#63
 Tetrachloroethene
 Concen: 4.86 ug/L
 RT: 7.598 min Scan# 2514
 Delta R.T. -0.003 min
 Lab File: V30221001A16.D
 Acq: 01 Oct 2022 02:23 pm

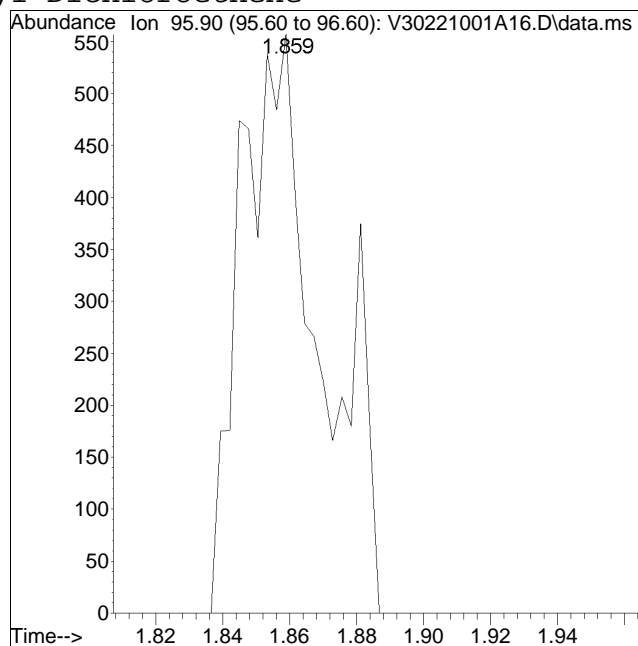
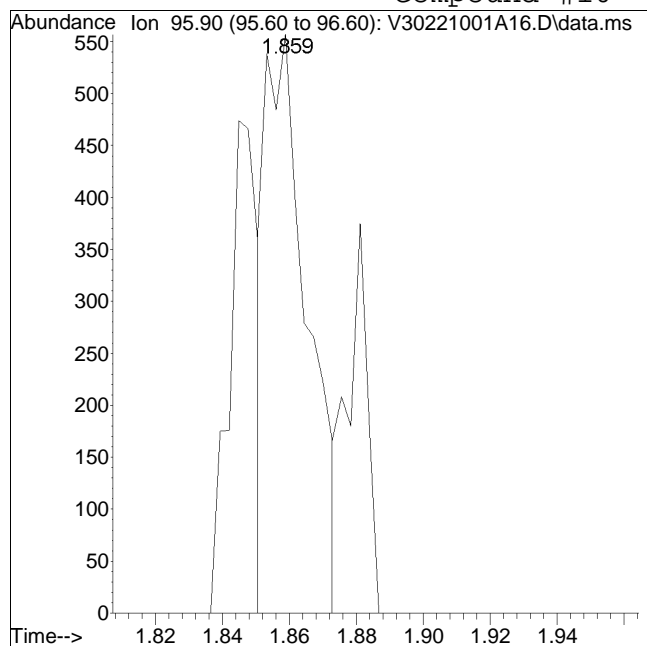
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 48.2 | 28.2 | 68.2 |
| 94 | 50.6 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A16.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 2:23 pm Instrument : VOA130
Sample : 12253502-10d,31,5.0,10,,a Quant Date : 10/3/2022 8:52 am

Compound #10: 1,1-Dichloroethene



Original Peak Response = 488

Manual Peak Response = 921 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A17.D
 Acq On : 01 Oct 2022 02:42 pm
 Operator : VOA130:MKS
 Sample : 12253502-12d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 03 09:04:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 232103 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 80.50% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 191390 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 82.76% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 98087 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 116817 | | | Recovery = | 83.97% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 67627 | 11.033 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 110.33% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 59491 | 8.840 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 88.40% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 240690 | 9.682 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.82% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 88480 | 9.514 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.14% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 233998 | 43.268 | ug/L | | 100 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 638 | 0.144 | ug/L | | 87 |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 2.481 | 96 | 1191M1 | 0.249 | ug/L | | |
| 20) Methyl tert-butyl ether | 0.000 | | 0 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 782155 | 142.424 | ug/L # | | 74 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 4.951 | 78 | 41 | N.D. | | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 48) Trichloroethene | 5.674 | 95 | 11043 | 2.157 | ug/L | | 97 |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.238 | 92 | 29 | N.D. | | | |
| 63) Tetrachloroethene | 7.595 | 166 | 28719 | 4.879 | ug/L | | 93 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 8.543 | 91 | 36 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A17.D
 Acq On : 01 Oct 2022 02:42 pm
 Operator : VOA130:MKS
 Sample : 12253502-12d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 03 09:04:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.405 | 91 | 29 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 9.717 | 119 | 34 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 9.762 | 105 | 63 | | | N.D. |
| 98) sec-Butylbenzene | 9.762 | 105 | 63 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 9.982 | 146 | 44 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 9.990 | 146 | 39 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 306 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 10.228 | 146 | 188 | | | N.D. |

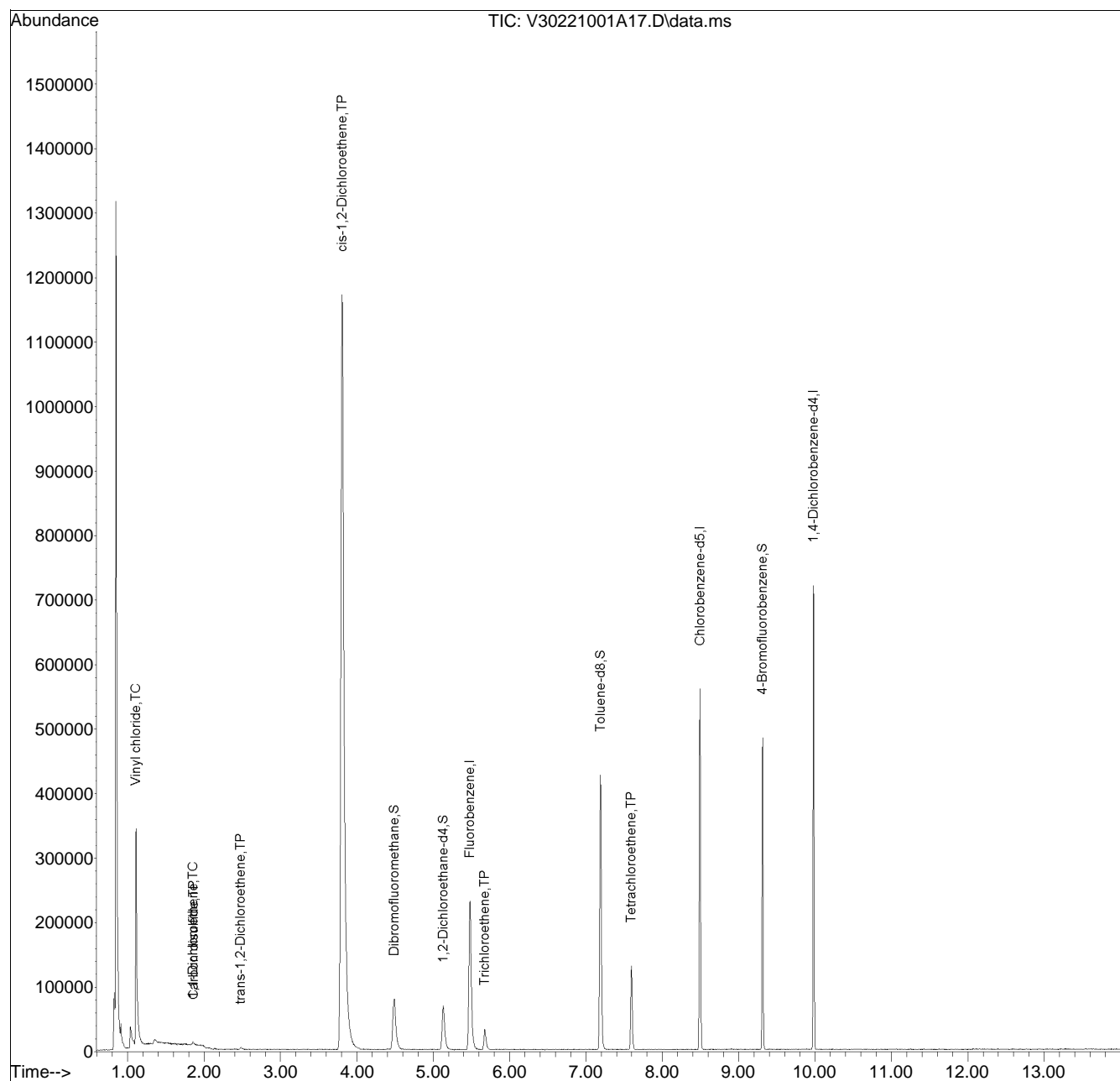
(#) = qualifier out of range (m) = manual integration (+) = signals summed

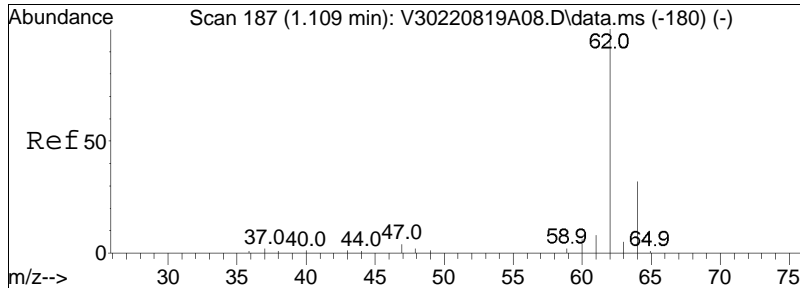
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A17.D
 Acq On : 01 Oct 2022 02:42 pm
 Operator : VOA130:MKS
 Sample : 12253502-12d,31,5.0,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 03 09:04:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

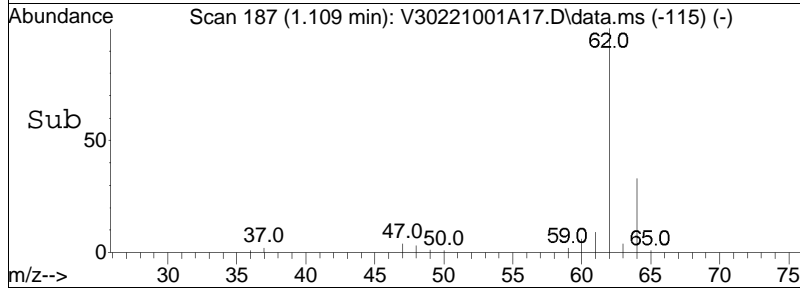
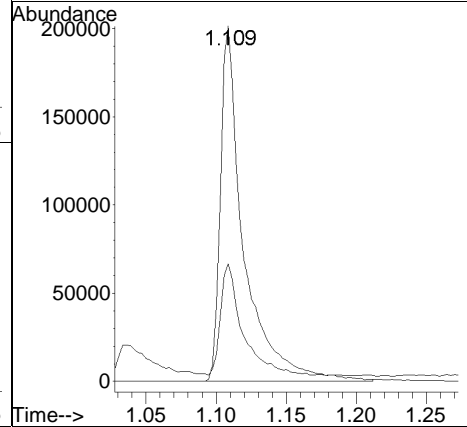
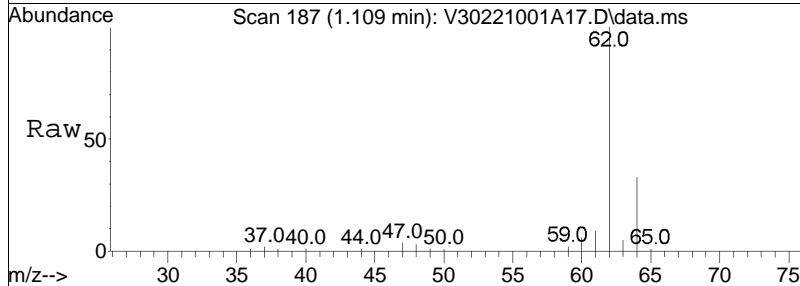
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

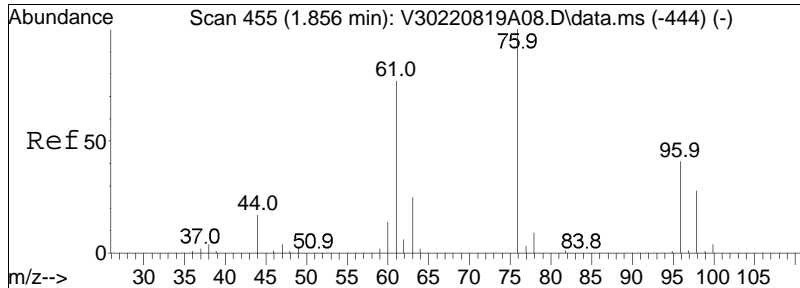




#4
 Vinyl chloride
 Concen: 43.27 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

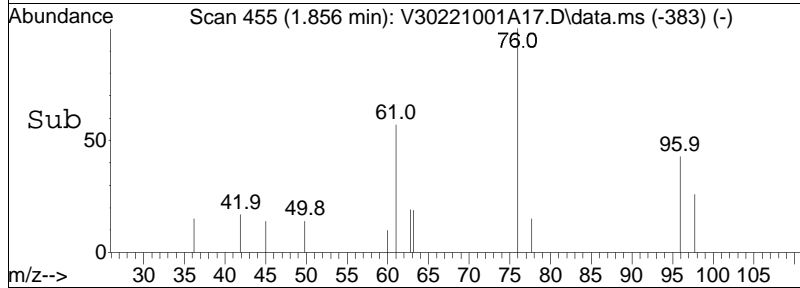
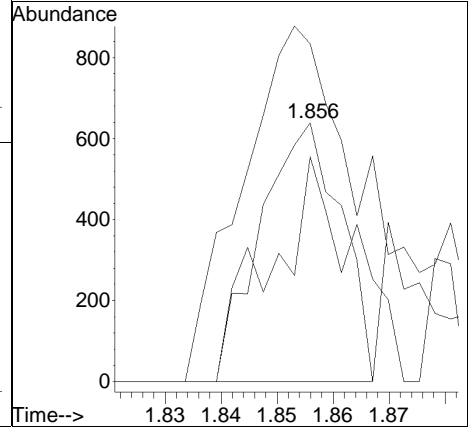
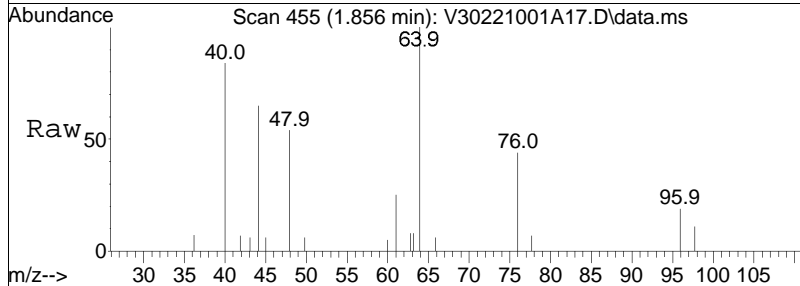
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 62 | 100 | | |
| 64 | 29.1 | 9.1 | 49.1 |

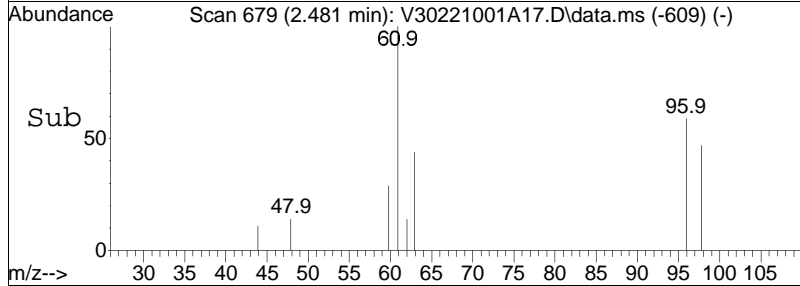
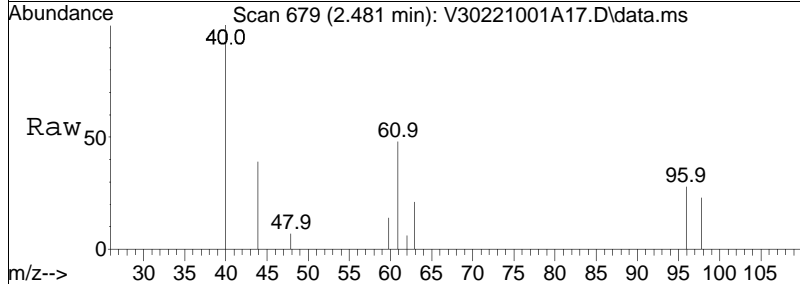
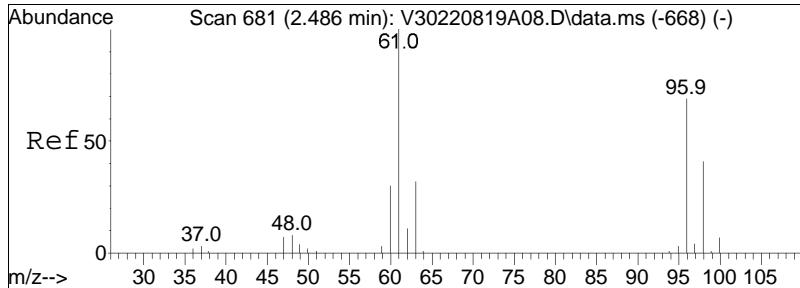




#10
 1,1-Dichloroethene
 Concen: 0.14 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. -0.000 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

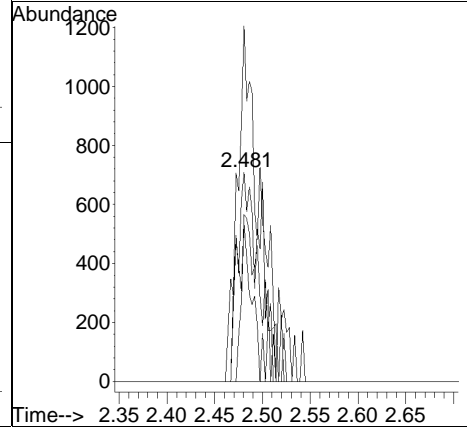
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 204.9 | 186.1 | 279.1 |
| 63 | 69.9 | 57.6 | 86.4 |

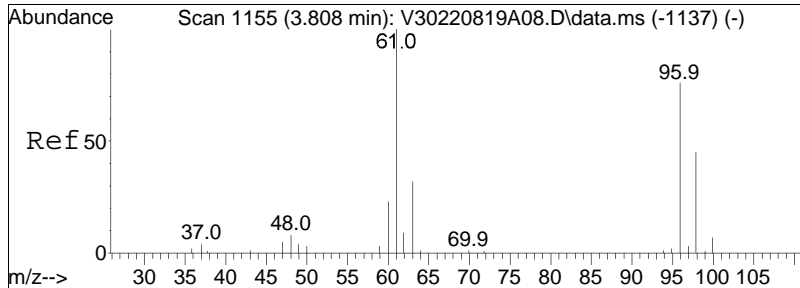




#18
 trans-1,2-Dichloroethene
 Concen: 0.25 ug/L M1
 RT: 2.481 min Scan# 679
 Delta R.T. -0.005 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

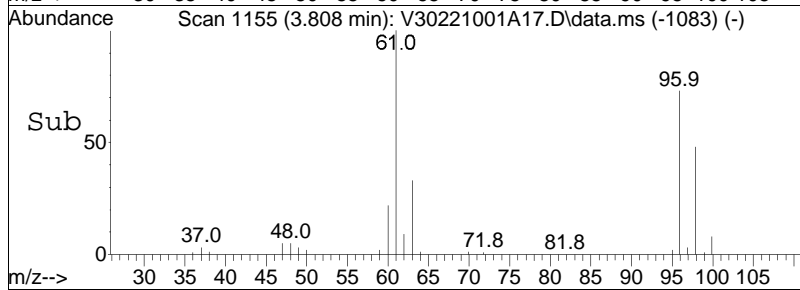
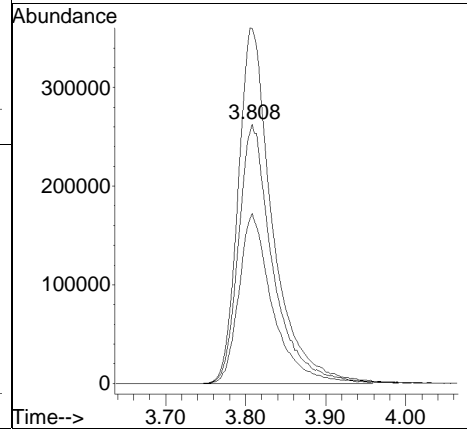
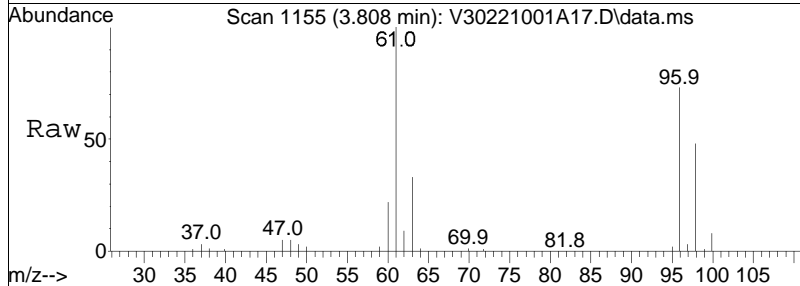
| Tgt Ion: | 96 | Resp: | 1191 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 116.0 | 124.0 | 257.6# |
| 98 | 66.7 | 41.2 | 85.6 |
| 63 | 34.0 | 38.4 | 79.7# |

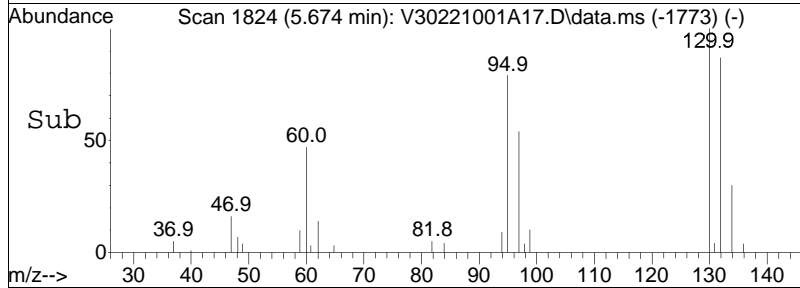
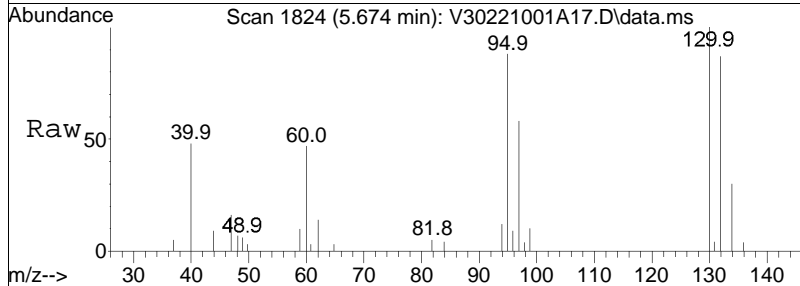
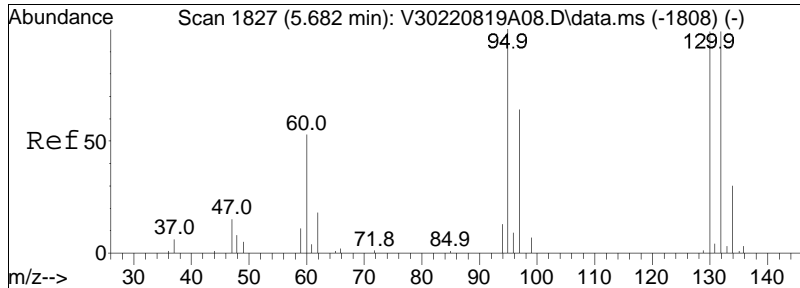




#28
 cis-1,2-Dichloroethene
 Concen: 142.42 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

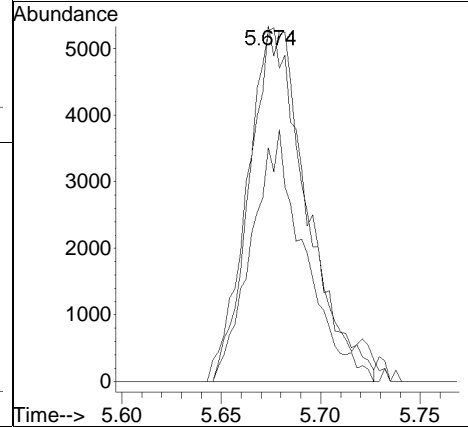
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 96 | 100 | | |
| 61 | 137.6 | 149.4 | 224.2# |
| 98 | 64.4 | 53.4 | 80.2 |

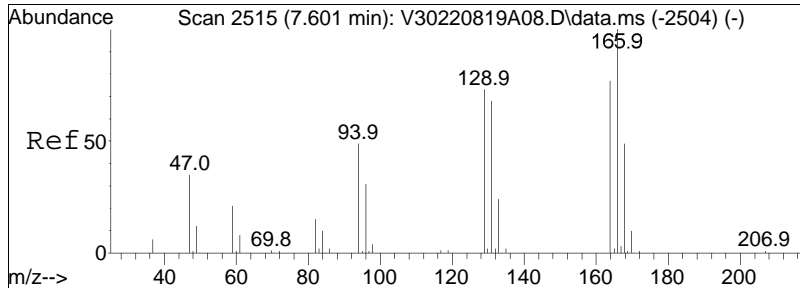




#48
 Trichloroethene
 Concen: 2.16 ug/L
 RT: 5.674 min Scan# 1824
 Delta R.T. -0.008 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

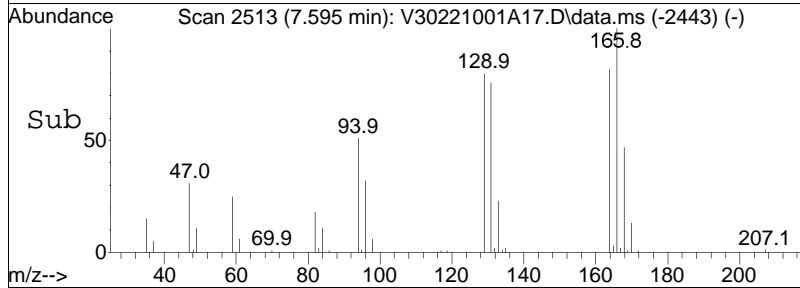
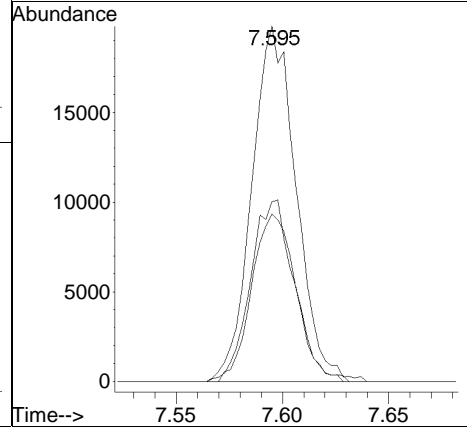
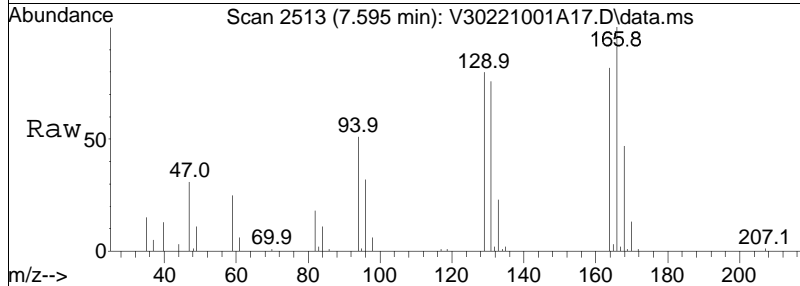
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 11043 | | |
| 95 | 100 | | |
| 97 | 63.5 | 55.5 | 83.3 |
| 132 | 95.3 | 76.6 | 115.0 |





#63
 Tetrachloroethene
 Concen: 4.88 ug/L
 RT: 7.595 min Scan# 2513
 Delta R.T. -0.006 min
 Lab File: V30221001A17.D
 Acq: 01 Oct 2022 02:42 pm

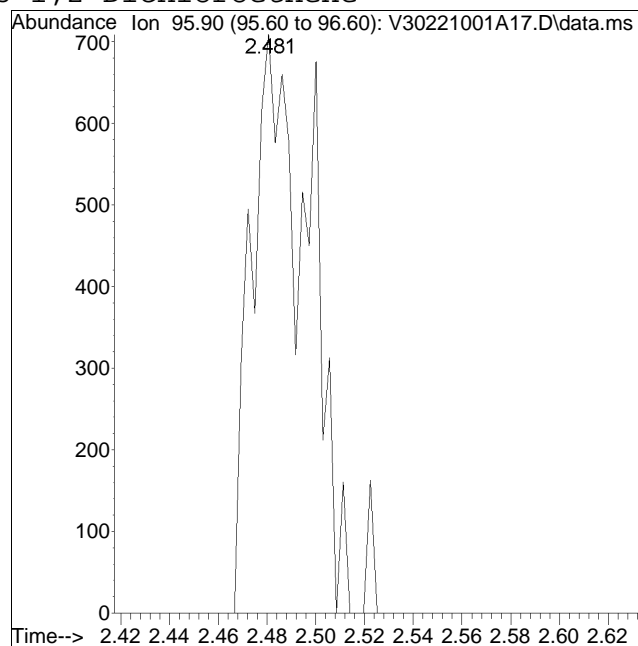
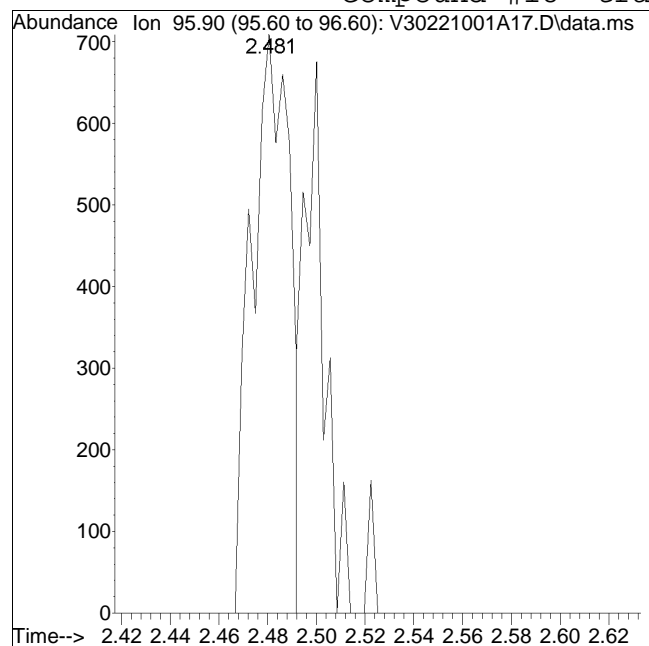
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 46.8 | 28.2 | 68.2 |
| 94 | 50.7 | 38.4 | 78.4 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A17.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 2:42 pm Instrument : VOA130
Sample : 12253502-12d,31,5.0,10,,a Quant Date : 10/3/2022 8:52 am

Compound #18: trans-1,2-Dichloroethene



Original Peak Response = 775

Manual Peak Response = 1191 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A18.D
 Acq On : 01 Oct 2022 03:02 pm
 Operator : VOA130:MKS
 Sample : 12253502-11,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 03 09:05:09 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 223063 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 77.37% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 191478 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 82.80% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 97300 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 83.29% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 64522 | 10.953 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 109.53% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 52858 | 8.173 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 81.73% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 235714 | 9.477 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.77% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 88501 | 9.593 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.93% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | | Qvalue |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | | |
| 17) Acetone | 2.402 | 43 | 954 | 1.296 | ug/L # | 55 | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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 | 3.800 | 96 | 242 | | N.D. | | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | | |
| 39) 2-Butanone | 4.695 | 43 | 34 | | N.D. | | |
| 41) Benzene | 4.960 | 78 | 32 | | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | | |
| 48) Trichloroethene | 5.565 | 95 | 30 | | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 7.235 | 92 | 385 | | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | | |
| 73) Chlorobenzene | 8.496 | 112 | 34 | | N.D. | | |
| 74) Ethylbenzene | 8.549 | 91 | 211 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A18.D
 Acq On : 01 Oct 2022 03:02 pm
 Operator : VOA130:MKS
 Sample : 12253502-11,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 03 09:05:09 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 8.655 | 106 | 377 | | | N.D. |
| 77) o Xylene | 8.936 | 106 | 55 | | | N.D. |
| 85) n-Propylbenzene | 9.313 | 91 | 374 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 9.536 | 105 | 31 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 9.756 | 105 | 72 | | | N.D. |
| 98) sec-Butylbenzene | 9.756 | 105 | 72 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 9.982 | 91 | 326 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

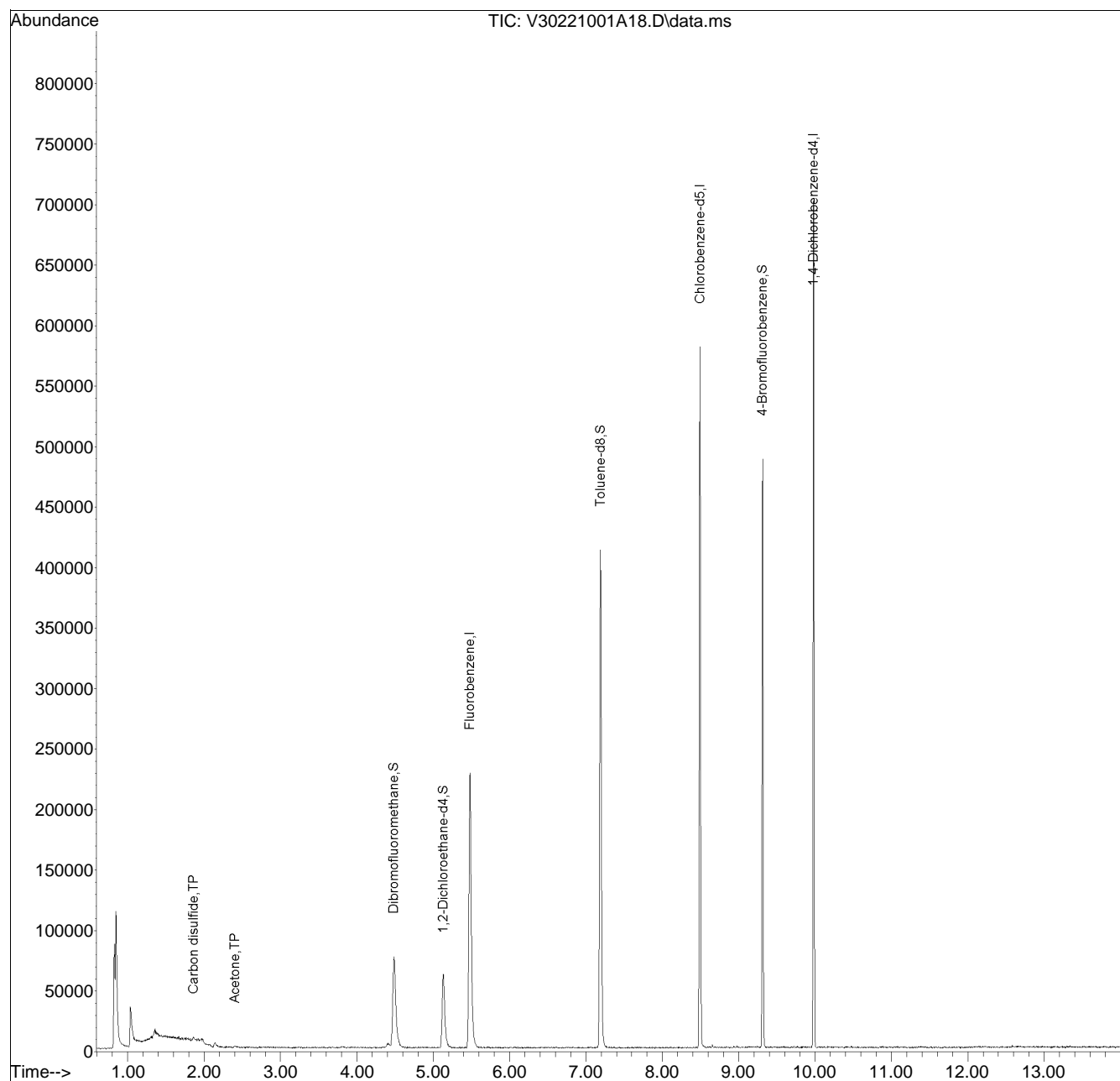
(#) = qualifier out of range (m) = manual integration (+) = signals summed

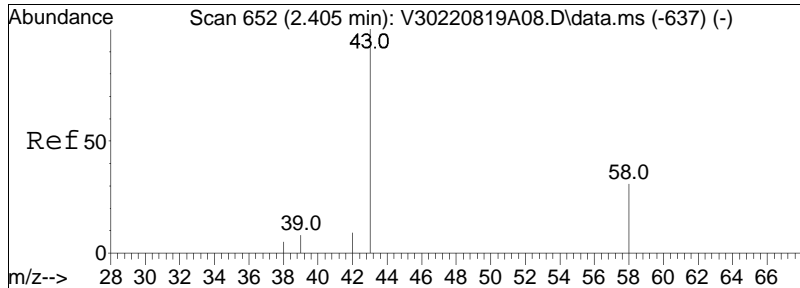
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A18.D
Acq On : 01 Oct 2022 03:02 pm
Operator : VOA130:MKS
Sample : 12253502-11,31,10,10,,a
Misc : WG1694829,ICAL19274
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 03 09:05:09 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

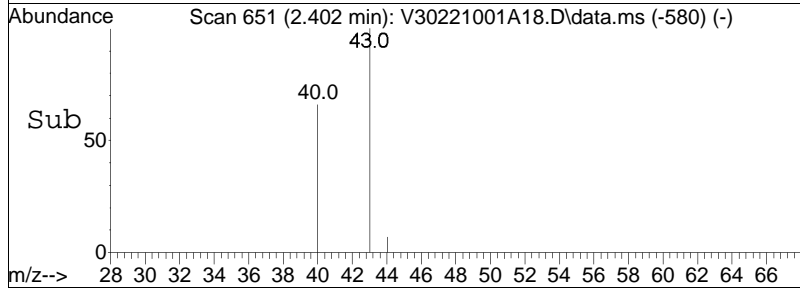
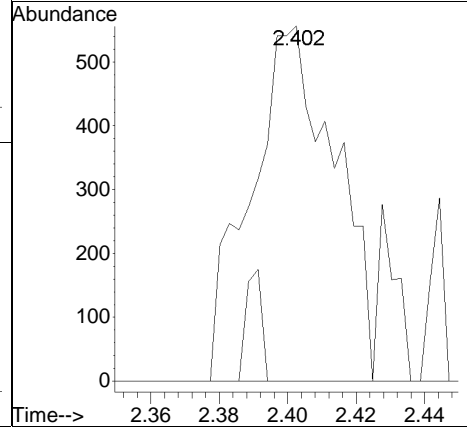
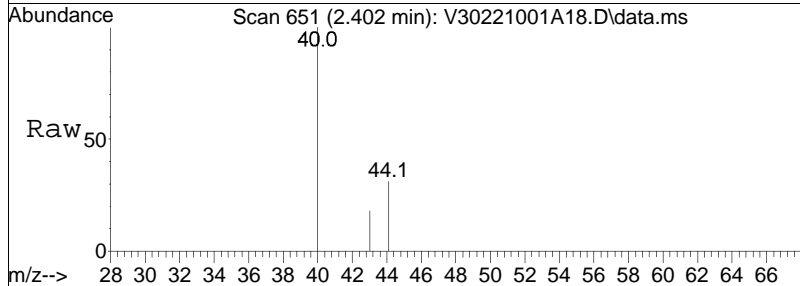
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•





#17
 Acetone
 Concen: 1.30 ug/L
 RT: 2.402 min Scan# 651
 Delta R.T. -0.003 min
 Lab File: V30221001A18.D
 Acq: 01 Oct 2022 03:02 pm

| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 43 | 100 | | |
| 58 | 5.8 | 24.2 | 36.4# |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A18.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 3:02 pm Instrument : VOA130
Sample : 12253502-11,31,10,10,,a Quant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A19.D
 Acq On : 01 Oct 2022 03:22 pm
 Operator : VOA130:MKS
 Sample : 12253502-13,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 03 09:05:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 220200 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 76.38% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 190408 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 82.34% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 94708 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 81.07% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 64093 | 11.022 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 110.22% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 53474 | 8.376 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 83.76% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 233071 | 9.424 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.24% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 86181 | 9.598 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.98% | | | |
| Target Compounds | | | | | | | Qvalue |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | | |
| 17) Acetone | 0.000 | | 0 | | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | | |
| 41) Benzene | 4.965 | 78 | 26 | | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | | |
| 48) Trichloroethene | 5.565 | 95 | 28 | | N.D. | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 7.238 | 92 | 39 | | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | | |
| 74) Ethylbenzene | 8.549 | 91 | 35 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A19.D
 Acq On : 01 Oct 2022 03:22 pm
 Operator : VOA130:MKS
 Sample : 12253502-13,31,10,10,,a
 Misc : WG1694829,ICAL19274
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 03 09:05:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 8.658 | 106 | 30 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 9.313 | 91 | 382 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 9.985 | 91 | 157 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

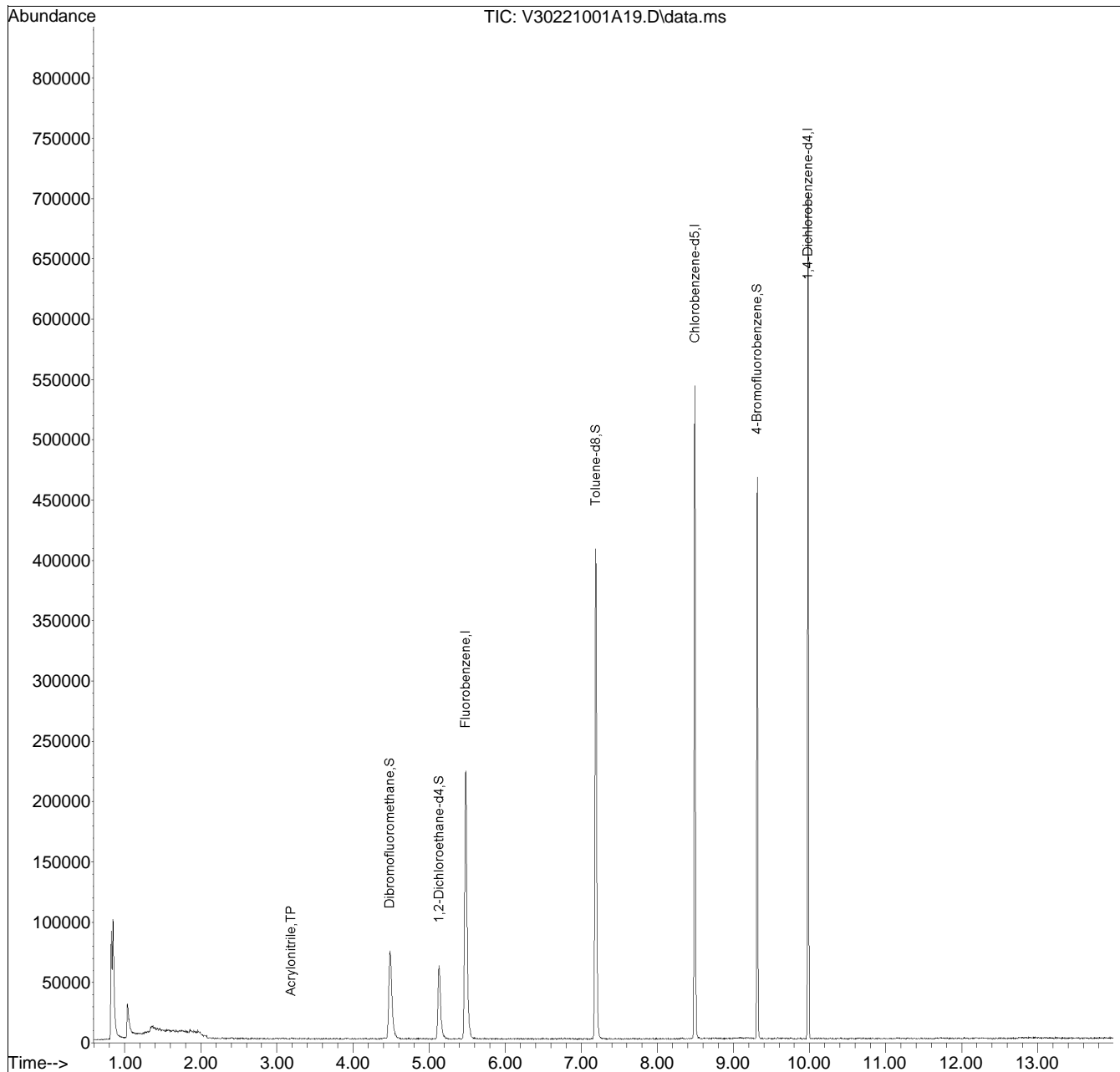
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A19.D
Acq On : 01 Oct 2022 03:22 pm
Operator : VOA130:MKS
Sample : 12253502-13,31,10,10,,a
Misc : WG1694829,ICAL19274
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 03 09:05:23 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A19.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 3:22 pm Instrument : VOA130
Sample : 12253502-13,31,10,10,,a Quant Date : 10/3/2022 8:52 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A09.D
 Acq On : 3 Oct 2022 12:53 pm
 Operator : GONZO:PD
 Sample : 12253502-05D,31,1.0,10,,c,pri
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 06:35:14 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221003A\VG221003A02.D
 Sub List : 8260-VC - All compounds listed

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 425663 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 435298 | | | Recovery = | 97.79% | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 329680 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 345913 | | | Recovery = | 95.31% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.426 | 152 | 178791 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 201700 | | | Recovery = | 88.64% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 111646 | 10.137 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.37% | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 136142 | 9.916 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.16% | | |
| 60) Toluene-d8 | 7.915 | 98 | 423029 | 10.036 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.36% | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 155293 | 9.458 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.58% | | |
| Target Compounds | | | | | | |
| 4) Vinyl chloride | 2.006 | 62 | 310979 | 56.307 | ug/L | 99 |
| ----- | | | | | | |

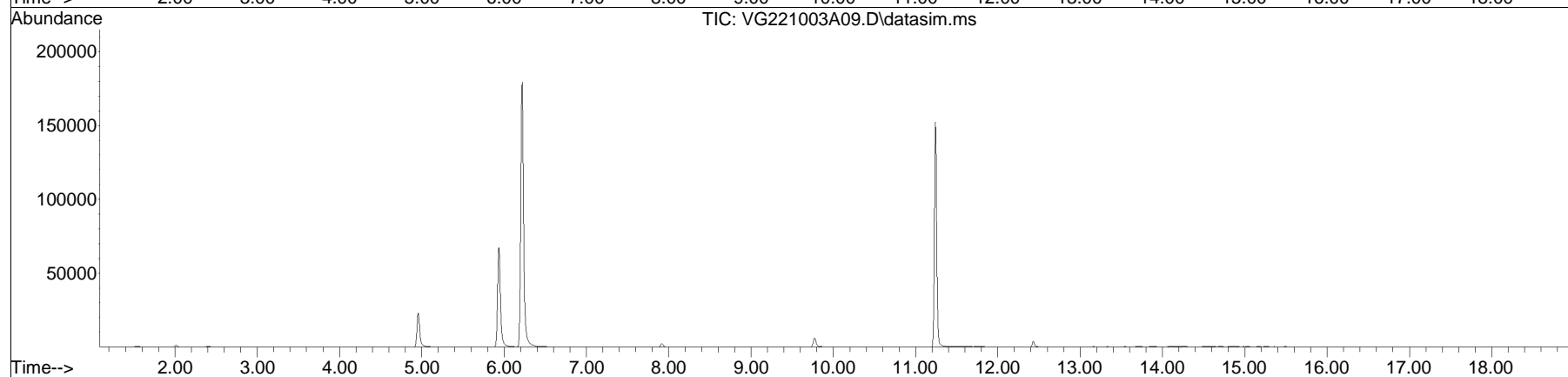
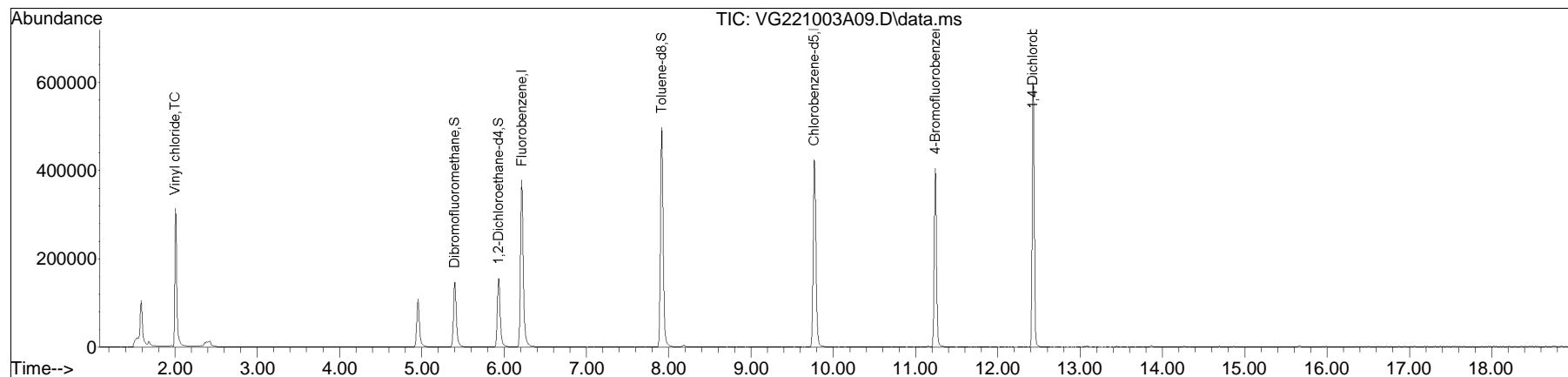
(#) = qualifier out of range (m) = manual integration (+) = signals summed

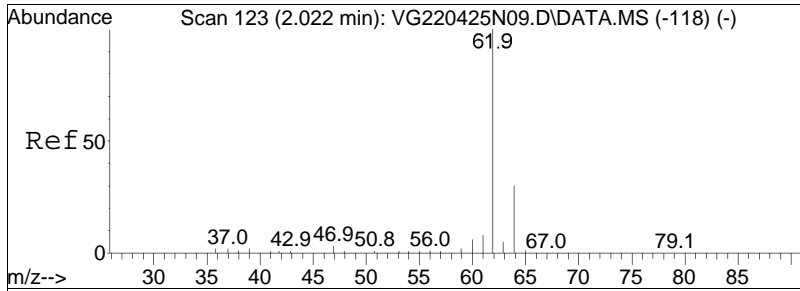
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
Data File : VG221003A09.D
Acq On : 3 Oct 2022 12:53 pm
Operator : GONZO:PD
Sample : 12253502-05D,31,1.0,10,,c,pri
Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 04 06:35:14 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

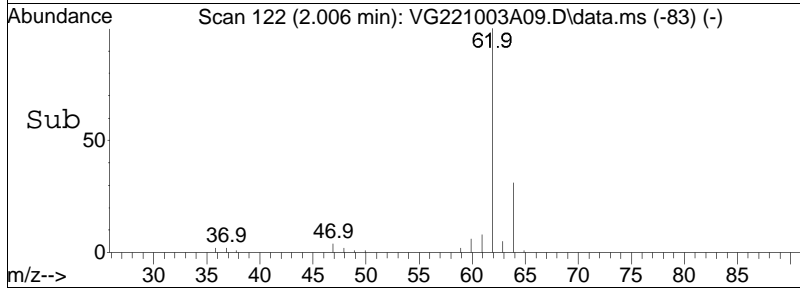
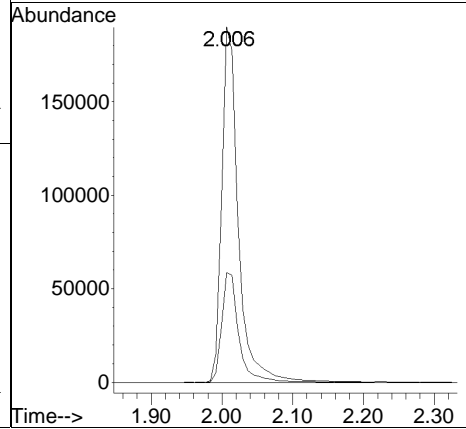
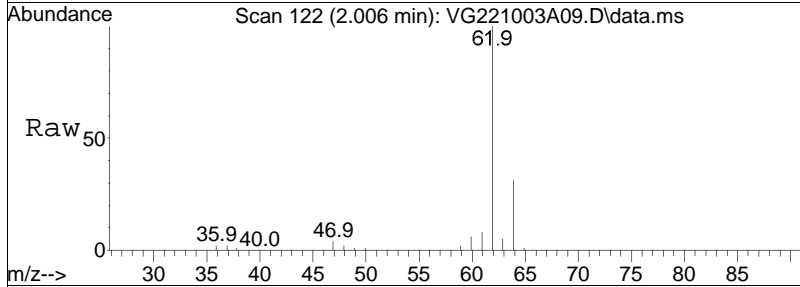
Sub List : 8260-VC - All compounds listed1003A\VG221003A02.D•





#4
 Vinyl chloride
 Concen: 56.31 ug/L
 RT: 2.006 min Scan# 122
 Delta R.T. -0.001 min
 Lab File: VG221003A09.D
 Acq: 3 Oct 2022 12:53 pm

Tgt Ion: 62 Resp: 310979
 Ion Ratio Lower Upper
 62 100
 64 31.7 11.3 51.3



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG221003A09.D Operator : GONZO:PD
Date Inj'd : 10/3/2022 12:53 pm Instrument : Gonzo
Sample : 12253502-05D,31,1.0,10,,c,Quant Date : 10/4/2022 6:35 am

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

| | |
|--|---------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Instrument ID : GONZO | Ical Ref : ICAL19212 |
| Calibration dates : 07/27/22 15:30 07/27/22 19:24 | |

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 1) I Fluorobenzene | -----ISTD----- | | | | | | | | | |
| 2) TP Dichlorodifluo | | 0.074 | 0.082 | 0.107 | 0.108 | 0.111 | 0.109 | 0.110 | 0.100 | 15.22 |
| 3) TP Chloromethane | | 0.160 | 0.146 | 0.151 | 0.146 | 0.143 | 0.144 | 0.143 | 0.148 | 4.23 |
| 4) TC Vinyl chloride | 0.108 | 0.107 | 0.121 | 0.139 | 0.139 | 0.143 | 0.140 | 0.142 | 0.130 | 12.02 |
| 5) TP Bromomethane | | 0.070 | 0.070 | 0.063 | 0.067 | 0.071 | 0.077 | 0.081 | 0.071 | 8.47 |
| 6) TP Chloroethane | | 0.068 | 0.058 | 0.053 | 0.045 | 0.036 | 0.033 | | *Q | 0.9978 |
| 7) TP Trichlorofluor | | 0.136 | 0.158 | 0.199 | 0.200 | 0.230 | 0.229 | 0.234 | 0.198 | 19.29 |
| 8) TP Ethyl ether | | 0.065 | 0.074 | 0.074 | 0.075 | 0.077 | 0.075 | 0.078 | 0.074 | 5.51 |
| 10) TC 1,1-Dichloroet | | 0.093 | 0.117 | 0.132 | 0.131 | 0.133 | 0.133 | 0.137 | 0.125 | 12.35 |
| 11) TP Carbon disulfide | | 0.251 | 0.293 | 0.326 | 0.323 | 0.333 | 0.334 | 0.338 | 0.314 | 10.02 |
| 12) TP Freon-113 | | 0.091 | 0.092 | 0.134 | 0.139 | 0.142 | 0.141 | 0.143 | 0.126 | 18.84 |
| 13) TP Iodomethane | | | 0.158 | 0.192 | 0.208 | 0.210 | 0.210 | 0.206 | 0.197 | 10.43 |
| 14) TP Acrolein | | | 0.026 | 0.023 | 0.021 | 0.023 | 0.022 | 0.023 | 0.023 | 8.27 |
| 15) TP Methylene chlo | | 0.198 | 0.158 | 0.148 | 0.149 | 0.150 | 0.149 | 0.150 | 0.157 | 11.49 |
| 17) TP Acetone | | | 0.065 | 0.045 | 0.043 | 0.047 | 0.047 | 0.051 | 0.050 | 15.66 |
| 18) TP trans-1,2-Dich | | 0.111 | 0.139 | 0.146 | 0.145 | 0.146 | 0.146 | 0.148 | 0.140 | 9.50 |
| 19) TP Methyl acetate | | 0.139 | 0.121 | 0.111 | 0.109 | 0.118 | 0.112 | 0.117 | 0.118 | 8.53 |
| 20) TP Methyl tert butyl ether | | 0.374 | 0.412 | 0.424 | 0.433 | 0.452 | 0.442 | 0.458 | 0.428 | 6.70 |
| 21) TP tert-Butyl alc | | 0.017 | 0.019 | 0.018 | 0.018 | 0.020 | 0.019 | 0.020 | 0.019 | 6.38 |
| 22) TP Diisopropyl ether | | 0.453 | 0.523 | 0.545 | 0.545 | 0.559 | 0.549 | 0.555 | 0.533 | 6.90 |
| 23) TP 1,1-Dichloroet | | 0.227 | 0.285 | 0.295 | 0.293 | 0.291 | 0.290 | 0.290 | 0.282# | 8.57 |
| 24) TP Halothane | | 0.090 | 0.110 | 0.121 | 0.126 | 0.128 | 0.127 | 0.128 | 0.119 | 12.03 |
| 25) TP Acrylonitrile | | 0.057 | 0.065 | 0.059 | 0.059 | 0.064 | 0.061 | 0.064 | 0.061 | 4.85 |
| 26) TP Ethyl tert-but | | 0.437 | 0.483 | 0.517 | 0.531 | 0.548 | 0.541 | 0.554 | 0.516 | 8.14 |
| 27) TP Vinyl acetate | | 0.350 | 0.316 | 0.318 | 0.319 | 0.389 | 0.355 | 0.369 | 0.345 | 8.31 |
| 28) TP cis-1,2-Dichlo | | 0.136 | 0.171 | 0.168 | 0.167 | 0.168 | 0.167 | 0.169 | 0.164# | 7.39 |
| 29) TP 2,2-Dichloropr | | 0.198 | 0.220 | 0.252 | 0.248 | 0.247 | 0.244 | 0.243 | 0.236 | 8.40 |
| 30) TP Bromochloromet | | 0.066 | 0.081 | 0.079 | 0.078 | 0.079 | 0.077 | 0.077 | 0.077# | 6.60 |
| 31) TP Cyclohexane | | 0.251 | 0.221 | 0.298 | 0.300 | 0.308 | 0.304 | 0.303 | 0.284 | 11.89 |
| 32) TC Chloroform | | 0.243 | 0.269 | 0.285 | 0.287 | 0.285 | 0.282 | 0.287 | 0.277 | 5.77 |
| 33) TP Ethyl acetate | | 0.190 | 0.163 | 0.162 | 0.165 | 0.179 | 0.170 | 0.180 | 0.173 | 6.04 |
| 34) TP Carbon tetrachloride | 0.164 | 0.165 | 0.189 | 0.226 | 0.238 | 0.239 | 0.246 | 0.244 | 0.214 | 16.58 |
| 35) TP Tetrahydrofuran | | 0.050 | 0.063 | 0.055 | 0.053 | 0.057 | 0.053 | 0.056 | 0.055 | 7.19 |
| 36) S Dibromofluoromethane | 0.262 | 0.263 | 0.259 | 0.258 | 0.259 | 0.255 | 0.254 | 0.261 | 0.259 | 1.25 |
| 37) TP 1,1,1-Trichlor | | 0.194 | 0.219 | 0.256 | 0.260 | 0.263 | 0.261 | 0.264 | 0.245 | 11.22 |
| 39) TP 2-Butanone | | 0.054 | 0.092 | 0.095 | 0.097 | 0.104 | 0.101 | 0.103 | 0.092 | 18.70 |



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2253502
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Instrument ID : GONZO **Ical Ref** : ICAL19212
Calibration dates : 07/27/22 15:30 07/27/22 19:24

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|-----------------------------------|-------|----------------|-------|-------|-------|-------|-------|-------|--------|-------|
| 40) TP 1,1-Dichloropr | | 0.156 | 0.188 | 0.220 | 0.219 | 0.224 | 0.223 | 0.225 | 0.208 | 12.65 |
| 41) TP Benzene | 0.496 | 0.496 | 0.583 | 0.642 | 0.643 | 0.645 | 0.644 | 0.653 | 0.600 | 11.33 |
| 42) TP Tertiary-Amyl Methyl Ether | | 0.391 | 0.438 | 0.452 | 0.457 | 0.481 | 0.474 | 0.491 | 0.455 | 7.39 |
| 43) S 1,2-Dichloroethane-d4 | 0.331 | 0.325 | 0.328 | 0.333 | 0.319 | 0.315 | 0.311 | 0.319 | 0.323 | 2.45 |
| 44) TP 1,2-Dichloroet | | 0.204 | 0.224 | 0.225 | 0.224 | 0.228 | 0.224 | 0.230 | 0.223 | 3.81 |
| 47) TP Methyl cyclohe | | 0.200 | 0.204 | 0.291 | 0.297 | 0.300 | 0.302 | 0.300 | 0.271 | 17.44 |
| 48) TP Trichloroethene | 0.159 | 0.139 | 0.154 | 0.175 | 0.175 | 0.171 | 0.173 | 0.173 | 0.165# | 8.01 |
| 50) TP Dibromomethane | | 0.079 | 0.096 | 0.095 | 0.095 | 0.100 | 0.097 | 0.101 | 0.095 | 7.75 |
| 51) TC 1,2-Dichloropr | | 0.166 | 0.181 | 0.175 | 0.176 | 0.171 | 0.173 | 0.173 | 0.174 | 2.77 |
| 53) TP 2-Chloroethyl | | 0.087 | 0.103 | 0.111 | 0.113 | 0.119 | 0.117 | 0.122 | 0.110 | 10.88 |
| 54) TP Bromodichlorom | | 0.183 | 0.195 | 0.193 | 0.190 | 0.191 | 0.189 | 0.192 | 0.190# | 1.94 |
| 57) TP 1,4-Dioxane | | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002# | 4.26 |
| 58) TP cis-1,3-Dichlo | | 0.213 | 0.257 | 0.265 | 0.265 | 0.274 | 0.269 | 0.278 | 0.260# | 8.41 |
| 59) I Chlorobenzene-d5 | | -----ISTD----- | | | | | | | | |
| 60) S Toluene-d8 | 1.286 | 1.296 | 1.289 | 1.277 | 1.279 | 1.270 | 1.265 | 1.268 | 1.279 | 0.85 |
| 61) TC Toluene | | 0.419 | 0.497 | 0.517 | 0.523 | 0.518 | 0.518 | 0.519 | 0.501 | 7.41 |
| 62) TP 4-Methyl-2-pen | | 0.077 | 0.077 | 0.079 | 0.081 | 0.087 | 0.083 | 0.086 | 0.081 | 5.02 |
| 63) TP Tetrachloroethene | | 0.168 | 0.199 | 0.229 | 0.235 | 0.234 | 0.237 | 0.235 | 0.220 | 12.02 |
| 65) TP trans-1,3-Dich | | 0.258 | 0.292 | 0.301 | 0.313 | 0.327 | 0.321 | 0.328 | 0.306 | 8.16 |
| 67) TP Ethyl methacry | | 0.262 | 0.271 | 0.275 | 0.279 | 0.294 | 0.283 | 0.294 | 0.279 | 4.26 |
| 68) TP 1,1,2-Trichlor | | 0.133 | 0.139 | 0.143 | 0.146 | 0.153 | 0.149 | 0.153 | 0.145# | 5.08 |
| 69) TP Chlorodibromom | | 0.166 | 0.194 | 0.199 | 0.210 | 0.225 | 0.222 | 0.230 | 0.207 | 10.78 |
| 70) TP 1,3-Dichloropr | | 0.267 | 0.287 | 0.301 | 0.309 | 0.319 | 0.311 | 0.321 | 0.302 | 6.40 |
| 71) TP 1,2-Dibromoethane | | 0.146 | 0.176 | 0.176 | 0.182 | 0.192 | 0.187 | 0.194 | 0.179# | 9.08 |
| 72) TP 2-Hexanone | | 0.160 | 0.184 | 0.174 | 0.176 | 0.186 | 0.178 | 0.188 | 0.178 | 5.28 |
| 73) TP Chlorobenzene | | 0.455 | 0.533 | 0.558 | 0.562 | 0.562 | 0.561 | 0.566 | 0.542 | 7.40 |
| 74) TC Ethylbenzene | | 0.849 | 0.932 | 1.022 | 1.032 | 1.019 | 1.029 | 1.025 | 0.987 | 7.11 |
| 75) TP 1,1,1,2-Tetrac | | 0.173 | 0.191 | 0.200 | 0.208 | 0.213 | 0.213 | 0.217 | 0.202 | 7.80 |
| 76) TP p/m Xylene | | 0.309 | 0.357 | 0.395 | 0.402 | 0.395 | 0.399 | 0.393 | 0.379 | 9.01 |
| 77) TP o Xylene | | 0.294 | 0.349 | 0.385 | 0.387 | 0.382 | 0.384 | 0.379 | 0.366 | 9.32 |
| 78) TP Styrene | | 0.475 | 0.585 | 0.623 | 0.637 | 0.646 | 0.646 | 0.640 | 0.607 | 10.26 |
| 79) I 1,4-Dichlorobenzene-d4 | | -----ISTD----- | | | | | | | | |
| 80) TP Bromoform | | 0.155 | 0.227 | 0.241 | 0.251 | 0.276 | 0.277 | 0.291 | 0.246 | 18.64 |
| 82) TP Isopropylbenzene | | 1.260 | 1.527 | 1.834 | 1.818 | 1.796 | 1.835 | 1.838 | 1.701 | 13.19 |
| 83) S 4-Bromofluorobenzene | 0.933 | 0.928 | 0.943 | 0.929 | 0.911 | 0.895 | 0.900 | 0.908 | 0.918 | 1.87 |
| 84) TP Bromobenzene | | 0.353 | 0.433 | 0.437 | 0.432 | 0.444 | 0.439 | 0.447 | 0.427 | 7.71 |



Initial Calibration Summary

Form 6

Volatiles

| | |
|--|---------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Instrument ID : GONZO | Ical Ref : ICAL19212 |
| Calibration dates : 07/27/22 15:30 07/27/22 19:24 | |

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|
| 85) TP n-Propylbenzene | 1.594 | 1.818 | 2.165 | 2.138 | 2.114 | 2.158 | 2.145 | 2.019 | 11.08 | |
| 86) TP 1,4-Dichlorobu | 0.699 | 0.658 | 0.635 | 0.621 | 0.647 | 0.634 | 0.658 | 0.650 | 3.89 | |
| 87) TP 1,1,2,2-Tetrac | 0.387 | 0.386 | 0.388 | 0.382 | 0.420 | 0.403 | 0.421 | 0.398 | 4.20 | |
| 88) TP 4-Ethyltoluene | 1.265 | 1.534 | 1.793 | 1.782 | 1.759 | 1.786 | 1.787 | 1.672 | 12.10 | |
| 89) TP 2-Chlorotoluene | 0.931 | 1.188 | 1.262 | 1.268 | 1.261 | 1.269 | 1.250 | 1.204 | 10.28 | |
| 90) TP 1,3,5-Trimethy | 1.150 | 1.299 | 1.518 | 1.521 | 1.498 | 1.533 | 1.533 | 1.436 | 10.51 | |
| 91) TP 1,2,3-Trichlor | 0.338 | 0.347 | 0.341 | 0.346 | 0.367 | 0.356 | 0.369 | 0.352 | 3.56 | |
| 92) TP trans-1,4-Dich | 0.150 | 0.148 | 0.147 | 0.149 | 0.157 | 0.153 | 0.162 | 0.152 | 3.67 | |
| 93) TP 4-Chlorotoluene | 1.009 | 1.170 | 1.293 | 1.286 | 1.283 | 1.304 | 1.324 | 1.238 | 9.09 | |
| 94) TP tert-Butylbenzene | 0.932 | 1.062 | 1.309 | 1.310 | 1.283 | 1.324 | 1.303 | 1.218 | 12.78 | |
| 97) TP 1,2,4-Trimethy | 1.083 | 1.298 | 1.470 | 1.461 | 1.465 | 1.480 | 1.508 | 1.395 | 11.02 | |
| 98) TP sec-Butylbenzene | 1.307 | 1.530 | 1.967 | 1.979 | 1.916 | 1.980 | 1.928 | 1.801 | 15.00 | |
| 99) TP p-Isopropyltol | 1.164 | 1.304 | 1.650 | 1.665 | 1.617 | 1.658 | 1.636 | 1.528 | 13.44 | |
| 100) TP 1,3-Dichlorobe | 0.640 | 0.765 | 0.826 | 0.813 | 0.832 | 0.837 | 0.852 | 0.795 | 9.26 | |
| 101) TP 1,4-Dichlorobe | 0.686 | 0.774 | 0.817 | 0.825 | 0.843 | 0.844 | 0.856 | 0.806 | 7.39 | |
| 102) TP p-Diethylbenzene | 0.616 | 0.749 | 0.947 | 0.941 | 0.925 | 0.953 | 0.954 | 0.869 | 15.37 | |
| 103) TP n-Butylbenzene | 0.885 | 1.086 | 1.370 | 1.385 | 1.337 | 1.386 | 1.373 | 1.260 | 15.66 | |
| 104) TP 1,2-Dichlorobe | 0.635 | 0.737 | 0.788 | 0.777 | 0.794 | 0.795 | 0.821 | 0.764 | 8.18 | |
| 105) TP 1,2,4,5-Tetram | 0.924 | 1.067 | 1.251 | 1.247 | 1.288 | 1.300 | 1.363 | 1.206 | 12.81 | |
| 106) TP 1,2-Dibromo-3- | 0.066 | 0.076 | 0.076 | 0.075 | 0.083 | 0.079 | 0.086 | 0.077 | 8.47 | |
| 107) TP 1,3,5-Trichlor | 0.391 | 0.462 | 0.549 | 0.556 | 0.562 | 0.569 | 0.585 | 0.525 | 13.54 | |
| 108) TP Hexachlorobuta | 0.160 | 0.176 | 0.225 | 0.236 | 0.221 | 0.227 | 0.223 | 0.210 | 13.93 | |
| 109) TP 1,2,4-Trichlor | 0.347 | 0.412 | 0.469 | 0.477 | 0.499 | 0.501 | 0.515 | 0.460 | 13.02 | |
| 110) TP Naphthalene | 0.976 | 0.996 | 1.041 | 1.041 | 1.148 | 1.107 | 1.184 | 1.070 | 7.29 | |
| 111) TP 1,2,3-Trichlor | 0.321 | 0.348 | 0.402 | 0.402 | 0.430 | 0.420 | 0.427 | 0.393# | 10.69 | |



Initial Calibration Summary

Form 6

Volatiles

| | |
|---|---------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Instrument ID : VOA130 | Ical Ref : ICAL19274 |
| Calibration dates : 08/19/22 14:16 08/19/22 17:12 | |

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 1) I Fluorobenzene | -----ISTD----- | | | | | | | | | |
| 2) TP Dichlorodifluo | | 0.157 | 0.227 | 0.227 | 0.187 | 0.212 | 0.205 | 0.210 | 0.204 | 12.20 |
| 3) TP Chloromethane | | 0.209 | 0.248 | 0.252 | 0.224 | 0.237 | 0.235 | 0.238 | 0.235 | 6.12 |
| 4) TC Vinyl chloride | 0.217 | 0.210 | 0.258 | 0.255 | 0.218 | 0.238 | 0.231 | 0.236 | 0.233 | 7.45 |
| 5) TP Bromomethane | | 0.177 | 0.183 | 0.167 | 0.143 | 0.148 | 0.149 | 0.155 | 0.160 | 9.61 |
| 6) TP Chloroethane | | 0.135 | 0.147 | 0.155 | 0.140 | 0.149 | 0.148 | 0.150 | 0.146 | 4.50 |
| 7) TP Trichlorofluor | | 0.345 | 0.369 | 0.390 | 0.328 | 0.365 | 0.353 | 0.358 | 0.358 | 5.47 |
| 8) TP Ethyl ether | | 0.068 | 0.082 | 0.088 | 0.086 | 0.090 | 0.089 | 0.089 | 0.084 | 9.28 |
| 10) TC 1,1-Dichloroet | | 0.171 | 0.204 | 0.207 | 0.176 | 0.192 | 0.190 | 0.192 | 0.190 | 6.89 |
| 11) TP Carbon disulfide | | 0.434 | 0.505 | 0.503 | 0.447 | 0.476 | 0.468 | 0.474 | 0.472 | 5.57 |
| 12) TP Freon-113 | | 0.177 | 0.220 | 0.237 | 0.195 | 0.221 | 0.212 | 0.218 | 0.211 | 9.22 |
| 13) TP Iodomethane | | 0.162 | 0.185 | 0.212 | 0.220 | 0.238 | 0.235 | 0.235 | 0.212 | 13.64 |
| 14) TP Acrolein | | | 0.019 | 0.021 | 0.020 | 0.021 | 0.022 | 0.022 | 0.021 | 5.72 |
| 15) TP Methylene chlo | | 0.218 | 0.237 | 0.217 | 0.203 | 0.207 | 0.205 | 0.208 | 0.213 | 5.63 |
| 17) TP Acetone | | | 0.045 | 0.032 | 0.030 | 0.031 | 0.030 | 0.030 | 0.033 | 17.88 |
| 18) TP trans-1,2-Dich | | 0.183 | 0.224 | 0.222 | 0.196 | 0.205 | 0.203 | 0.208 | 0.206 | 6.99 |
| 19) TP Methyl acetate | | | 0.083 | 0.086 | 0.081 | 0.088 | 0.086 | 0.089 | 0.086 | 3.42 |
| 20) TP Methyl tert butyl ether | | 0.322 | 0.372 | 0.395 | 0.404 | 0.436 | 0.433 | 0.446 | 0.401 | 10.89 |
| 21) TP tert-Butyl alc | | | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.006# | 17.17 |
| 22) TP Diisopropyl ether | | 0.620 | 0.656 | 0.686 | 0.693 | 0.743 | 0.740 | 0.750 | 0.698 | 7.05 |
| 23) TP 1,1-Dichloroet | | 0.392 | 0.439 | 0.436 | 0.395 | 0.406 | 0.403 | 0.409 | 0.412 | 4.51 |
| 24) TP Halothane | | 0.133 | 0.160 | 0.170 | 0.154 | 0.166 | 0.162 | 0.166 | 0.159 | 7.79 |
| 25) TP Acrylonitrile | | | 0.042 | 0.043 | 0.043 | 0.045 | 0.043 | 0.045 | 0.043 | 2.38 |
| 26) TP Ethyl tert-but | | 0.426 | 0.486 | 0.524 | 0.552 | 0.614 | 0.627 | 0.649 | 0.554 | 14.72 |
| 27) TP Vinyl acetate | | | 0.285 | 0.324 | 0.351 | 0.404 | 0.413 | 0.430 | 0.368 | 15.53 |
| 28) TP cis-1,2-Dichlo | | 0.243 | 0.252 | 0.243 | 0.223 | 0.232 | 0.230 | 0.234 | 0.237 | 4.22 |
| 29) TP 2,2-Dichloropr | | 0.199 | 0.246 | 0.263 | 0.258 | 0.303 | 0.307 | 0.323 | 0.271 | 15.79 |
| 30) TP Bromochloromet | | 0.102 | 0.110 | 0.105 | 0.100 | 0.103 | 0.101 | 0.100 | 0.103 | 3.25 |
| 31) TP Cyclohexane | | 0.339 | 0.409 | 0.444 | 0.383 | 0.428 | 0.419 | 0.435 | 0.408 | 8.89 |
| 32) TC Chloroform | | 0.386 | 0.423 | 0.425 | 0.390 | 0.399 | 0.398 | 0.403 | 0.404 | 3.77 |
| 33) TP Ethyl acetate | | | 0.105 | 0.109 | 0.116 | 0.126 | 0.124 | 0.127 | 0.118 | 7.92 |
| 34) TP Carbon tetrachloride | 0.227 | 0.216 | 0.281 | 0.313 | 0.284 | 0.324 | 0.318 | 0.330 | 0.287 | 15.28 |
| 35) TP Tetrahydrofuran | | | 0.034 | 0.033 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 | 4.49 |
| 36) S Dibromofluoromethane | 0.277 | 0.278 | 0.271 | 0.262 | 0.256 | 0.256 | 0.257 | 0.256 | 0.264 | 3.68 |
| 37) TP 1,1,1-Trichlor | | 0.280 | 0.310 | 0.367 | 0.326 | 0.355 | 0.350 | 0.359 | 0.335 | 9.45 |
| 39) TP 2-Butanone | | | 0.051 | 0.047 | 0.048 | 0.052 | 0.051 | 0.053 | 0.050 | 5.08 |



Initial Calibration Summary

Form 6

Volatiles

| | | | |
|--------------------------|------------------------------------|-----------------------|-----------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA130 | Ical Ref | : ICAL19274 |
| Calibration dates | : 08/19/22 14:16 08/19/22 17:12 | | |

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|-----------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 40) TP 1,1-Dichloropr | | 0.229 | 0.276 | 0.311 | 0.277 | 0.302 | 0.297 | 0.304 | 0.285 | 9.95 |
| 41) TP Benzene | 0.880 | 0.749 | 0.859 | 0.896 | 0.823 | 0.863 | 0.853 | 0.859 | 0.848 | 5.32 |
| 42) TP Tertiary-Amyl Methyl Ether | | 0.350 | 0.376 | 0.415 | 0.443 | 0.500 | 0.505 | 0.524 | 0.445 | 15.23 |
| 43) S 1,2-Dichloroethane-d4 | 0.290 | 0.290 | 0.287 | 0.289 | 0.289 | 0.293 | 0.292 | 0.290 | 0.290 | 0.68 |
| 44) TP 1,2-Dichloroet | | 0.290 | 0.302 | 0.298 | 0.290 | 0.300 | 0.298 | 0.300 | 0.297 | 1.66 |
| 47) TP Methyl cyclohe | | 0.301 | 0.372 | 0.409 | 0.363 | 0.416 | 0.405 | 0.415 | 0.383 | 10.89 |
| 48) TP Trichloroethene | 0.206 | 0.178 | 0.222 | 0.243 | 0.219 | 0.232 | 0.230 | 0.235 | 0.221 | 9.27 |
| 50) TP Dibromomethane | | 0.111 | 0.120 | 0.118 | 0.114 | 0.121 | 0.118 | 0.121 | 0.118 | 3.38 |
| 51) TC 1,2-Dichloropr | | 0.191 | 0.221 | 0.230 | 0.223 | 0.233 | 0.232 | 0.236 | 0.224 | 6.98 |
| 53) TP 2-Chloroethyl | | 0.087 | 0.095 | 0.106 | 0.108 | 0.118 | 0.118 | 0.120 | 0.108 | 11.83 |
| 54) TP Bromodichlorom | | 0.281 | 0.299 | 0.303 | 0.297 | 0.312 | 0.310 | 0.315 | 0.303 | 3.91 |
| 57) TP 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 7.21 |
| 58) TP cis-1,3-Dichloropropene | 0.206 | 0.240 | 0.263 | 0.306 | 0.320 | 0.352 | 0.356 | 0.364 | 0.301 | 19.55 |
| 59) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 60) S Toluene-d8 | 1.290 | 1.293 | 1.286 | 1.312 | 1.299 | 1.312 | 1.302 | 1.297 | 1.299 | 0.73 |
| 61) TC Toluene | | 0.657 | 0.735 | 0.768 | 0.708 | 0.745 | 0.729 | 0.741 | 0.726 | 4.89 |
| 62) TP 4-Methyl-2-pen | | 0.058 | 0.056 | 0.062 | 0.063 | 0.071 | 0.069 | 0.071 | 0.064 | 9.34 |
| 63) TP Tetrachloroethene | | 0.262 | 0.309 | 0.333 | 0.294 | 0.322 | 0.314 | 0.320 | 0.308 | 7.63 |
| 65) TP trans-1,3-Dichloropropene | 0.193 | 0.217 | 0.238 | 0.311 | 0.347 | 0.399 | | | *Q | 0.9995 |
| 67) TP Ethyl methacry | | 0.197 | 0.198 | 0.224 | 0.244 | 0.276 | 0.270 | 0.280 | 0.241 | 14.85 |
| 68) TP 1,1,2-Trichlor | | 0.160 | 0.165 | 0.178 | 0.179 | 0.187 | 0.182 | 0.185 | 0.177# | 5.81 |
| 69) TP Chlorodibromom | | 0.219 | 0.228 | 0.255 | 0.265 | 0.286 | 0.280 | 0.290 | 0.261 | 10.77 |
| 70) TP 1,3-Dichloropr | | 0.330 | 0.349 | 0.379 | 0.377 | 0.395 | 0.385 | 0.393 | 0.373 | 6.52 |
| 71) TP 1,2-Dibromoethane | | 0.166 | 0.178 | 0.202 | 0.205 | 0.217 | 0.212 | 0.216 | 0.199# | 9.91 |
| 72) TP 2-Hexanone | | 0.130 | 0.103 | 0.103 | 0.105 | 0.117 | 0.113 | 0.116 | 0.112 | 8.65 |
| 73) TP Chlorobenzene | | 0.781 | 0.827 | 0.832 | 0.778 | 0.808 | 0.790 | 0.795 | 0.802 | 2.70 |
| 74) TC Ethylbenzene | 1.496 | 1.312 | 1.431 | 1.518 | 1.376 | 1.439 | 1.382 | 1.357 | 1.414 | 4.96 |
| 75) TP 1,1,1,2-Tetrac | | 0.218 | 0.223 | 0.265 | 0.274 | 0.303 | 0.296 | 0.297 | 0.268 | 13.08 |
| 76) TP p/m Xylene | 0.527 | 0.458 | 0.538 | 0.573 | 0.525 | 0.544 | 0.522 | 0.520 | 0.526 | 6.17 |
| 77) TP o Xylene | | 0.484 | 0.516 | 0.551 | 0.509 | 0.527 | 0.506 | 0.500 | 0.513 | 4.14 |
| 78) TP Styrene | 0.762 | 0.773 | 0.866 | 0.903 | 0.859 | 0.865 | 0.822 | 0.780 | 0.829 | 6.29 |
| 79) I 1,4-Dichlorobenzene-d4 | -----ISTD----- | | | | | | | | | |
| 80) TP Bromoform | | 0.258 | 0.244 | 0.273 | 0.298 | 0.323 | 0.323 | 0.329 | 0.293 | 11.78 |
| 82) TP Isopropylbenzene | | 2.393 | 2.765 | 2.911 | 2.657 | 2.730 | 2.649 | 2.625 | 2.676 | 5.90 |
| 83) S 4-Bromofluorobenzene | 0.953 | 0.951 | 0.959 | 0.952 | 0.946 | 0.936 | 0.937 | 0.951 | 0.948 | 0.84 |
| 84) TP Bromobenzene | | 0.719 | 0.687 | 0.662 | 0.645 | 0.645 | 0.638 | 0.654 | 0.664 | 4.35 |



Initial Calibration Summary

Form 6

Volatiles

| | | | |
|--------------------------|------------------------------------|-----------------------|-----------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2253502 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA130 | Ical Ref | : ICAL19274 |
| Calibration dates | : 08/19/22 14:16 08/19/22 17:12 | | |

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
| 85) TP n-Propylbenzene | 2.898 | 3.338 | 3.546 | 3.258 | 3.314 | 3.177 | 3.063 | 3.228 | | 6.45 |
| 86) TP 1,4-Dichlorobu | 0.753 | 0.692 | 0.721 | 0.747 | 0.772 | 0.757 | 0.775 | 0.745 | | 3.98 |
| 87) TP 1,1,2,2-Tetrac | 0.561 | 0.450 | 0.465 | 0.469 | 0.483 | 0.477 | 0.488 | 0.485 | | 7.41 |
| 88) TP 4-Ethyltoluene | 2.381 | 2.667 | 2.814 | 2.668 | 2.713 | 2.637 | 2.599 | 2.640 | | 5.04 |
| 89) TP 2-Chlorotoluene | 2.158 | 2.304 | 2.399 | 2.250 | 2.259 | 2.209 | 2.210 | 2.256 | | 3.47 |
| 90) TP 1,3,5-Trimethy | 2.087 | 2.296 | 2.424 | 2.306 | 2.322 | 2.277 | 2.267 | 2.283 | | 4.42 |
| 91) TP 1,2,3-Trichlor | 0.441 | 0.361 | 0.372 | 0.380 | 0.392 | 0.385 | 0.395 | 0.390 | | 6.59 |
| 92) TP trans-1,4-Dich | 0.109 | 0.124 | 0.125 | 0.137 | 0.149 | 0.150 | 0.157 | 0.136 | | 12.90 |
| 93) TP 4-Chlorotoluene | 2.004 | 2.063 | 2.097 | 2.011 | 2.018 | 1.982 | 1.991 | 2.024 | | 2.05 |
| 94) TP tert-Butylbenzene | 1.786 | 2.033 | 2.120 | 1.955 | 1.987 | 1.950 | 1.957 | 1.970 | | 5.14 |
| 97) TP 1,2,4-Trimethy | 2.071 | 2.224 | 2.361 | 2.266 | 2.301 | 2.249 | 2.242 | 2.245 | | 3.97 |
| 98) TP sec-Butylbenzene | 2.598 | 3.064 | 3.252 | 2.959 | 3.023 | 2.919 | 2.840 | 2.951 | | 6.87 |
| 99) TP p-Isopropyltol | 2.268 | 2.508 | 2.745 | 2.526 | 2.608 | 2.536 | 2.487 | 2.525 | | 5.68 |
| 100) TP 1,3-Dichlorobe | 1.310 | 1.282 | 1.326 | 1.249 | 1.265 | 1.234 | 1.252 | 1.274 | | 2.67 |
| 101) TP 1,4-Dichlorobe | 1.337 | 1.314 | 1.306 | 1.257 | 1.253 | 1.244 | 1.257 | 1.281 | | 2.87 |
| 102) TP p-Diethylbenzene | 1.339 | 1.535 | 1.600 | 1.511 | 1.581 | 1.554 | 1.587 | 1.530 | | 5.86 |
| 103) TP n-Butylbenzene | 2.011 | 2.353 | 2.558 | 2.359 | 2.435 | 2.364 | 2.339 | 2.345 | | 7.09 |
| 104) TP 1,2-Dichlorobe | 1.349 | 1.196 | 1.199 | 1.154 | 1.165 | 1.135 | 1.162 | 1.194 | | 6.03 |
| 105) TP 1,2,4,5-Tetram | 2.173 | 2.250 | 2.380 | 2.339 | 2.429 | 2.402 | 2.390 | 2.338 | | 3.98 |
| 106) TP 1,2-Dibromo-3- | 0.045 | 0.049 | 0.060 | 0.065 | 0.071 | 0.070 | 0.075 | 0.062 | | 18.50 |
| 107) TP 1,3,5-Trichlor | 1.015 | 1.036 | 1.046 | 0.995 | 1.007 | 0.995 | 1.025 | 1.017 | | 1.95 |
| 108) TP Hexachlorobuta | 0.442 | 0.456 | 0.472 | 0.436 | 0.467 | 0.473 | 0.480 | 0.461 | | 3.60 |
| 109) TP 1,2,4-Trichlor | 0.964 | 0.855 | 0.881 | 0.862 | 0.875 | 0.860 | 0.891 | 0.884 | | 4.22 |
| 110) TP Naphthalene | 1.779 | 1.512 | 1.564 | 1.573 | 1.568 | 1.552 | 1.578 | 1.590 | | 5.44 |
| 111) TP 1,2,3-Trichlor | 0.837 | 0.753 | 0.789 | 0.766 | 0.775 | 0.773 | 0.795 | 0.784 | | 3.48 |



Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Method File : G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022
 Response Via : Initial Calibration

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| -----ISTD----- | | | | | | | | | | |
| 1) I Fluorobenzene | | | | | | | | | | |
| 2) TP Dichlorodifluo... | 0.074 | 0.082 | 0.107 | 0.108 | 0.111 | 0.109 | 0.110 | 0.100 | 15.22 | |
| 3) TP Chloromethane | 0.160 | 0.146 | 0.151 | 0.146 | 0.143 | 0.144 | 0.143 | 0.148 | 4.23 | |
| 4) TC Vinyl chloride | 0.108 | 0.107 | 0.121 | 0.139 | 0.139 | 0.143 | 0.140 | 0.142 | 12.02 | |
| 5) TP Bromomethane | 0.070 | 0.070 | 0.063 | 0.067 | 0.071 | 0.077 | 0.081 | 0.071 | 8.47 | |
| 6) TP Chloroethane | 0.068 | 0.058 | 0.053 | 0.045 | 0.036 | 0.033 | | *Q | 0.9978 | |
| 7) TP Trichlorofluor... | 0.136 | 0.158 | 0.199 | 0.200 | 0.230 | 0.229 | 0.234 | 0.198 | 19.29 | |
| 8) TP Ethyl ether | 0.065 | 0.074 | 0.074 | 0.075 | 0.077 | 0.075 | 0.078 | 0.074 | 5.51 | |
| 10) TC 1,1-Dichloroet... | 0.093 | 0.117 | 0.132 | 0.131 | 0.133 | 0.133 | 0.137 | 0.125 | 12.35 | |
| 11) TP Carbon disulfide | 0.251 | 0.293 | 0.326 | 0.323 | 0.333 | 0.334 | 0.338 | 0.314 | 10.02 | |
| 12) TP Freon-113 | 0.091 | 0.092 | 0.134 | 0.139 | 0.142 | 0.141 | 0.143 | 0.126 | 18.84 | |
| 13) TP Iodomethane | | 0.158 | 0.192 | 0.208 | 0.210 | 0.210 | 0.206 | 0.197 | 10.43 | |
| 14) TP Acrolein | | 0.026 | 0.023 | 0.021 | 0.023 | 0.022 | 0.023 | 0.023 | 8.27 | |
| 15) TP Methylene chlo... | 0.198 | 0.158 | 0.148 | 0.149 | 0.150 | 0.149 | 0.150 | 0.157 | 11.49 | |
| 17) TP Acetone | | 0.065 | 0.045 | 0.043 | 0.047 | 0.047 | 0.051 | 0.050 | 15.66 | |
| 18) TP trans-1,2-Dich... | 0.111 | 0.139 | 0.146 | 0.145 | 0.146 | 0.146 | 0.148 | 0.140 | 9.50 | |
| 19) TP Methyl acetate | 0.139 | 0.121 | 0.111 | 0.109 | 0.118 | 0.112 | 0.117 | 0.118 | 8.53 | |
| 20) TP Methyl tert-bu... | 0.374 | 0.412 | 0.424 | 0.433 | 0.452 | 0.442 | 0.458 | 0.428 | 6.70 | |
| 21) TP tert-Butyl alc... | 0.017 | 0.019 | 0.018 | 0.018 | 0.020 | 0.019 | 0.020 | 0.019 | 6.38 | |
| 22) TP Diisopropyl ether | 0.453 | 0.523 | 0.545 | 0.545 | 0.559 | 0.549 | 0.555 | 0.533 | 6.90 | |
| 23) TP 1,1-Dichloroet... | 0.227 | 0.285 | 0.295 | 0.293 | 0.291 | 0.290 | 0.290 | 0.282# | 8.57 | |
| 24) TP Halothane | 0.090 | 0.110 | 0.121 | 0.126 | 0.128 | 0.127 | 0.128 | 0.119 | 12.03 | |
| 25) TP Acrylonitrile | 0.057 | 0.065 | 0.059 | 0.059 | 0.064 | 0.061 | 0.064 | 0.061 | 4.85 | |
| 26) TP Ethyl tert-but... | 0.437 | 0.483 | 0.517 | 0.531 | 0.548 | 0.541 | 0.554 | 0.516 | 8.14 | |
| 27) TP Vinyl acetate | 0.350 | 0.316 | 0.318 | 0.319 | 0.389 | 0.355 | 0.369 | 0.345 | 8.31 | |
| 28) TP cis-1,2-Dichlo... | 0.136 | 0.171 | 0.168 | 0.167 | 0.168 | 0.167 | 0.169 | 0.164# | 7.39 | |
| 29) TP 2,2-Dichloropr... | 0.198 | 0.220 | 0.252 | 0.248 | 0.247 | 0.244 | 0.243 | 0.236 | 8.40 | |
| 30) TP Bromochloromet... | 0.066 | 0.081 | 0.079 | 0.078 | 0.079 | 0.077 | 0.077 | 0.077# | 6.60 | |
| 31) TP Cyclohexane | 0.251 | 0.221 | 0.298 | 0.300 | 0.308 | 0.304 | 0.303 | 0.284 | 11.89 | |
| 32) TC Chloroform | 0.243 | 0.269 | 0.285 | 0.287 | 0.285 | 0.282 | 0.287 | 0.277 | 5.77 | |
| 33) TP Ethyl acetate | 0.190 | 0.163 | 0.162 | 0.165 | 0.179 | 0.170 | 0.180 | 0.173 | 6.04 | |

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Method File : G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022
 Response Via : Initial Calibration

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|----------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| 34) TP Carbon tetrach... | 0.164 | 0.165 | 0.189 | 0.226 | 0.238 | 0.239 | 0.246 | 0.244 | 0.214 | 16.58 |
| 35) TP Tetrahydrofuran | 0.050 | 0.063 | 0.055 | 0.053 | 0.057 | 0.053 | 0.056 | 0.055 | | 7.19 |
| 36) S Dibromofluorom... | 0.262 | 0.263 | 0.259 | 0.258 | 0.259 | 0.255 | 0.254 | 0.261 | 0.259 | 1.25 |
| 37) TP 1,1,1-Trichlor... | 0.194 | 0.219 | 0.256 | 0.260 | 0.263 | 0.261 | 0.264 | 0.245 | | 11.22 |
| 39) TP 2-Butanone | 0.054 | 0.092 | 0.095 | 0.097 | 0.104 | 0.101 | 0.103 | 0.092 | | 18.70 |
| 40) TP 1,1-Dichloropr... | 0.156 | 0.188 | 0.220 | 0.219 | 0.224 | 0.223 | 0.225 | 0.208 | | 12.65 |
| 41) TP Benzene | 0.496 | 0.496 | 0.583 | 0.642 | 0.643 | 0.645 | 0.644 | 0.653 | 0.600 | 11.33 |
| 42) TP tert-Amyl meth... | 0.391 | 0.438 | 0.452 | 0.457 | 0.481 | 0.474 | 0.491 | 0.455 | | 7.39 |
| 43) S 1,2-Dichloroet... | 0.331 | 0.325 | 0.328 | 0.333 | 0.319 | 0.315 | 0.311 | 0.319 | 0.323 | 2.45 |
| 44) TP 1,2-Dichloroet... | 0.204 | 0.224 | 0.225 | 0.224 | 0.228 | 0.224 | 0.230 | 0.223 | | 3.81 |
| 47) TP Methyl cyclohe... | 0.200 | 0.204 | 0.291 | 0.297 | 0.300 | 0.302 | 0.300 | 0.271 | | 17.44 |
| 48) TP Trichloroethene | 0.159 | 0.139 | 0.154 | 0.175 | 0.175 | 0.171 | 0.173 | 0.173 | 0.165# | 8.01 |
| 50) TP Dibromomethane | 0.079 | 0.096 | 0.095 | 0.095 | 0.100 | 0.097 | 0.101 | 0.095 | | 7.75 |
| 51) TC 1,2-Dichloropr... | 0.166 | 0.181 | 0.175 | 0.176 | 0.171 | 0.173 | 0.173 | 0.174 | | 2.77 |
| 53) TP 2-Chloroethyl ... | 0.087 | 0.103 | 0.111 | 0.113 | 0.119 | 0.117 | 0.122 | 0.110 | | 10.88 |
| 54) TP Bromodichlorom... | 0.183 | 0.195 | 0.193 | 0.190 | 0.191 | 0.189 | 0.192 | 0.190# | | 1.94 |
| 57) TP 1,4-Dioxane | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002# | | 4.26 |
| 58) TP cis-1,3-Dichlo... | 0.213 | 0.257 | 0.265 | 0.265 | 0.274 | 0.269 | 0.278 | 0.260# | | 8.41 |
| 59) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 60) S Toluene-d8 | 1.286 | 1.296 | 1.289 | 1.277 | 1.279 | 1.270 | 1.265 | 1.268 | 1.279 | 0.85 |
| 61) TC Toluene | 0.419 | 0.497 | 0.517 | 0.523 | 0.518 | 0.518 | 0.519 | 0.501 | | 7.41 |
| 62) TP 4-Methyl-2-pen... | 0.077 | 0.077 | 0.079 | 0.081 | 0.087 | 0.083 | 0.086 | 0.081 | | 5.02 |
| 63) TP Tetrachloroethene | 0.168 | 0.199 | 0.229 | 0.235 | 0.234 | 0.237 | 0.235 | 0.220 | | 12.02 |
| 65) TP trans-1,3-Dich... | 0.258 | 0.292 | 0.301 | 0.313 | 0.327 | 0.321 | 0.328 | 0.306 | | 8.16 |
| 67) TP Ethyl methacry... | 0.262 | 0.271 | 0.275 | 0.279 | 0.294 | 0.283 | 0.294 | 0.279 | | 4.26 |
| 68) TP 1,1,2-Trichlor... | 0.133 | 0.139 | 0.143 | 0.146 | 0.153 | 0.149 | 0.153 | 0.145# | | 5.08 |
| 69) TP Chlorodibromom... | 0.166 | 0.194 | 0.199 | 0.210 | 0.225 | 0.222 | 0.230 | 0.207 | | 10.78 |
| 70) TP 1,3-Dichloropr... | 0.267 | 0.287 | 0.301 | 0.309 | 0.319 | 0.311 | 0.321 | 0.302 | | 6.40 |
| 71) TP 1,2-Dibromoethane | 0.146 | 0.176 | 0.176 | 0.182 | 0.192 | 0.187 | 0.194 | 0.179# | | 9.08 |
| 72) TP 2-Hexanone | 0.160 | 0.184 | 0.174 | 0.176 | 0.186 | 0.178 | 0.188 | 0.178 | | 5.28 |
| 73) TP Chlorobenzene | 0.455 | 0.533 | 0.558 | 0.562 | 0.562 | 0.561 | 0.566 | 0.542 | | 7.40 |

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Method File : G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022
 Response Via : Initial Calibration

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 74) TC Ethylbenzene | 0.849 | 0.932 | 1.022 | 1.032 | 1.019 | 1.029 | 1.025 | 0.987 | 7.11 | |
| 75) TP 1,1,1,2-Tetrac... | 0.173 | 0.191 | 0.200 | 0.208 | 0.213 | 0.213 | 0.217 | 0.202 | 7.80 | |
| 76) TP p/m Xylene | 0.309 | 0.357 | 0.395 | 0.402 | 0.395 | 0.399 | 0.393 | 0.379 | 9.01 | |
| 77) TP o Xylene | 0.294 | 0.349 | 0.385 | 0.387 | 0.382 | 0.384 | 0.379 | 0.366 | 9.32 | |
| 78) TP Styrene | 0.475 | 0.585 | 0.623 | 0.637 | 0.646 | 0.646 | 0.640 | 0.607 | 10.26 | |
| 79) I 1,4-Dichlorobenzene-d4 | -----ISTD----- | | | | | | | | | |
| 80) TP Bromoform | 0.155 | 0.227 | 0.241 | 0.251 | 0.276 | 0.277 | 0.291 | 0.246 | 18.64 | |
| 82) TP Isopropylbenzene | 1.260 | 1.527 | 1.834 | 1.818 | 1.796 | 1.835 | 1.838 | 1.701 | 13.19 | |
| 83) S 4-Bromofluorob... | 0.933 | 0.928 | 0.943 | 0.929 | 0.911 | 0.895 | 0.900 | 0.908 | 0.918 | 1.87 |
| 84) TP Bromobenzene | 0.353 | 0.433 | 0.437 | 0.432 | 0.444 | 0.439 | 0.447 | 0.427 | 7.71 | |
| 85) TP n-Propylbenzene | 1.594 | 1.818 | 2.165 | 2.138 | 2.114 | 2.158 | 2.145 | 2.019 | 11.08 | |
| 86) TP 1,4-Dichlorobu... | 0.699 | 0.658 | 0.635 | 0.621 | 0.647 | 0.634 | 0.658 | 0.650 | 3.89 | |
| 87) TP 1,1,2,2-Tetrac... | 0.387 | 0.386 | 0.388 | 0.382 | 0.420 | 0.403 | 0.421 | 0.398 | 4.20 | |
| 88) TP 4-Ethyltoluene | 1.265 | 1.534 | 1.793 | 1.782 | 1.759 | 1.786 | 1.787 | 1.672 | 12.10 | |
| 89) TP 2-Chlorotoluene | 0.931 | 1.188 | 1.262 | 1.268 | 1.261 | 1.269 | 1.250 | 1.204 | 10.28 | |
| 90) TP 1,3,5-Trimethy... | 1.150 | 1.299 | 1.518 | 1.521 | 1.498 | 1.533 | 1.533 | 1.436 | 10.51 | |
| 91) TP 1,2,3-Trichlor... | 0.338 | 0.347 | 0.341 | 0.346 | 0.367 | 0.356 | 0.369 | 0.352 | 3.56 | |
| 92) TP trans-1,4-Dich... | 0.150 | 0.148 | 0.147 | 0.149 | 0.157 | 0.153 | 0.162 | 0.152 | 3.67 | |
| 93) TP 4-Chlorotoluene | 1.009 | 1.170 | 1.293 | 1.286 | 1.283 | 1.304 | 1.324 | 1.238 | 9.09 | |
| 94) TP tert-Butylbenzene | 0.932 | 1.062 | 1.309 | 1.310 | 1.283 | 1.324 | 1.303 | 1.218 | 12.78 | |
| 97) TP 1,2,4-Trimethy... | 1.083 | 1.298 | 1.470 | 1.461 | 1.465 | 1.480 | 1.508 | 1.395 | 11.02 | |
| 98) TP sec-Butylbenzene | 1.307 | 1.530 | 1.967 | 1.979 | 1.916 | 1.980 | 1.928 | 1.801 | 15.00 | |
| 99) TP p-Isopropyltol... | 1.164 | 1.304 | 1.650 | 1.665 | 1.617 | 1.658 | 1.636 | 1.528 | 13.44 | |
| 100) TP 1,3-Dichlorobe... | 0.640 | 0.765 | 0.826 | 0.813 | 0.832 | 0.837 | 0.852 | 0.795 | 9.26 | |
| 101) TP 1,4-Dichlorobe... | 0.686 | 0.774 | 0.817 | 0.825 | 0.843 | 0.844 | 0.856 | 0.806 | 7.39 | |
| 102) TP p-Diethylbenzene | 0.616 | 0.749 | 0.947 | 0.941 | 0.925 | 0.953 | 0.954 | 0.869 | 15.37 | |
| 103) TP n-Butylbenzene | 0.885 | 1.086 | 1.370 | 1.385 | 1.337 | 1.386 | 1.373 | 1.260 | 15.66 | |
| 104) TP 1,2-Dichlorobe... | 0.635 | 0.737 | 0.788 | 0.777 | 0.794 | 0.795 | 0.821 | 0.764 | 8.18 | |
| 105) TP 1,2,4,5-Tetram... | 0.924 | 1.067 | 1.251 | 1.247 | 1.288 | 1.300 | 1.363 | 1.206 | 12.81 | |
| 106) TP 1,2-Dibromo-3-... | 0.066 | 0.076 | 0.076 | 0.075 | 0.083 | 0.079 | 0.086 | 0.077 | 8.47 | |
| 107) TP 1,3,5-Trichlor... | 0.391 | 0.462 | 0.549 | 0.556 | 0.562 | 0.569 | 0.585 | 0.525 | 13.54 | |

Response Factor Report Gonzo

Method Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Method File : G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022
 Response Via : Initial Calibration

Calibration Files

L11 =VG220727N04.D L1 =VG220727N06.D L2 =VG220727N08.D L3 =VG220727N09.D L4 =VG220727N10.D
 L6 =VG220727N11.D L8 =VG220727N12.D L10 =VG220727N13.D

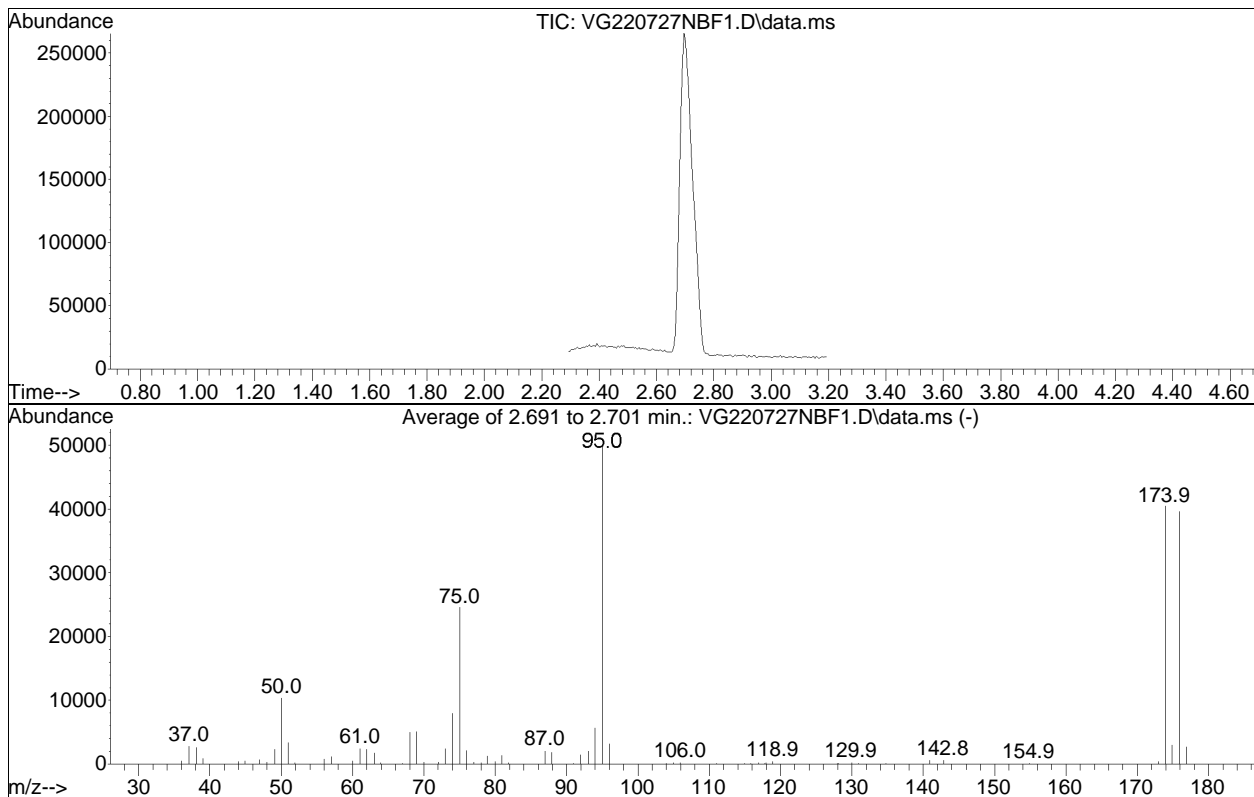
| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|
| 108) TP Hexachlorobuta... | 0.160 | 0.176 | 0.225 | 0.236 | 0.221 | 0.227 | 0.223 | 0.210 | 13.93 | |
| 109) TP 1,2,4-Trichlor... | 0.347 | 0.412 | 0.469 | 0.477 | 0.499 | 0.501 | 0.515 | 0.460 | 13.02 | |
| 110) TP Naphthalene | 0.976 | 0.996 | 1.041 | 1.041 | 1.148 | 1.107 | 1.184 | 1.070 | 7.29 | |
| 111) TP 1,2,3-Trichlor... | 0.321 | 0.348 | 0.402 | 0.402 | 0.430 | 0.420 | 0.427 | 0.393# | 10.69 | |

(#) = Out of Range

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727NBF1.D
 Acq On : 27 Jul 2022 1:46 pm
 Operator : GONZO:TMS
 Sample : WG1668541-1
 Misc : WG1668541
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022



AutoFind: Scans 77, 78, 79; Background Corrected with Scan 67

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 20.6 | 10332 | PASS |
| 75 | 95 | 30 | 60 | 49.1 | 24584 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 50110 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 3177 | PASS |
| 173 | 174 | 0.00 | 2 | 0.9 | 383 | PASS |
| 174 | 95 | 50 | 100 | 80.8 | 40464 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 2968 | PASS |
| 176 | 174 | 95 | 101 | 98.0 | 39651 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 2686 | PASS |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N04.D
 Acq On : 27 Jul 2022 3:30 pm
 Operator : GONZO:PD
 Sample : I8260STD0.19PPB
 Misc : WG1668541,ICAL
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 10:07:55 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-----------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 549840 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery = | 97.06% | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 436791 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery = | 96.82% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 243961 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery = | 95.91% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 143893 | 10.115 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.15% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 181757 | 10.249 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.49% | | | |
| 60) Toluene-d8 | 7.915 | 98 | 561595 | 10.056 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.56% | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 227575 | 10.158 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.58% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 2.006 | 62 | 1124 | 0.158 | ug/L | | 85 |
| 34) Carbon tetrachloride | 5.357 | 117 | 1713 | 0.146 | ug/L | | 91 |
| 41) Benzene | 5.797 | 78 | 5178 | 0.157 | ug/L # | | 81 |
| 48) Trichloroethene | 6.382 | 95 | 1666 | 0.184 | ug/L # | | 75 |
| ----- | | | | | | | |

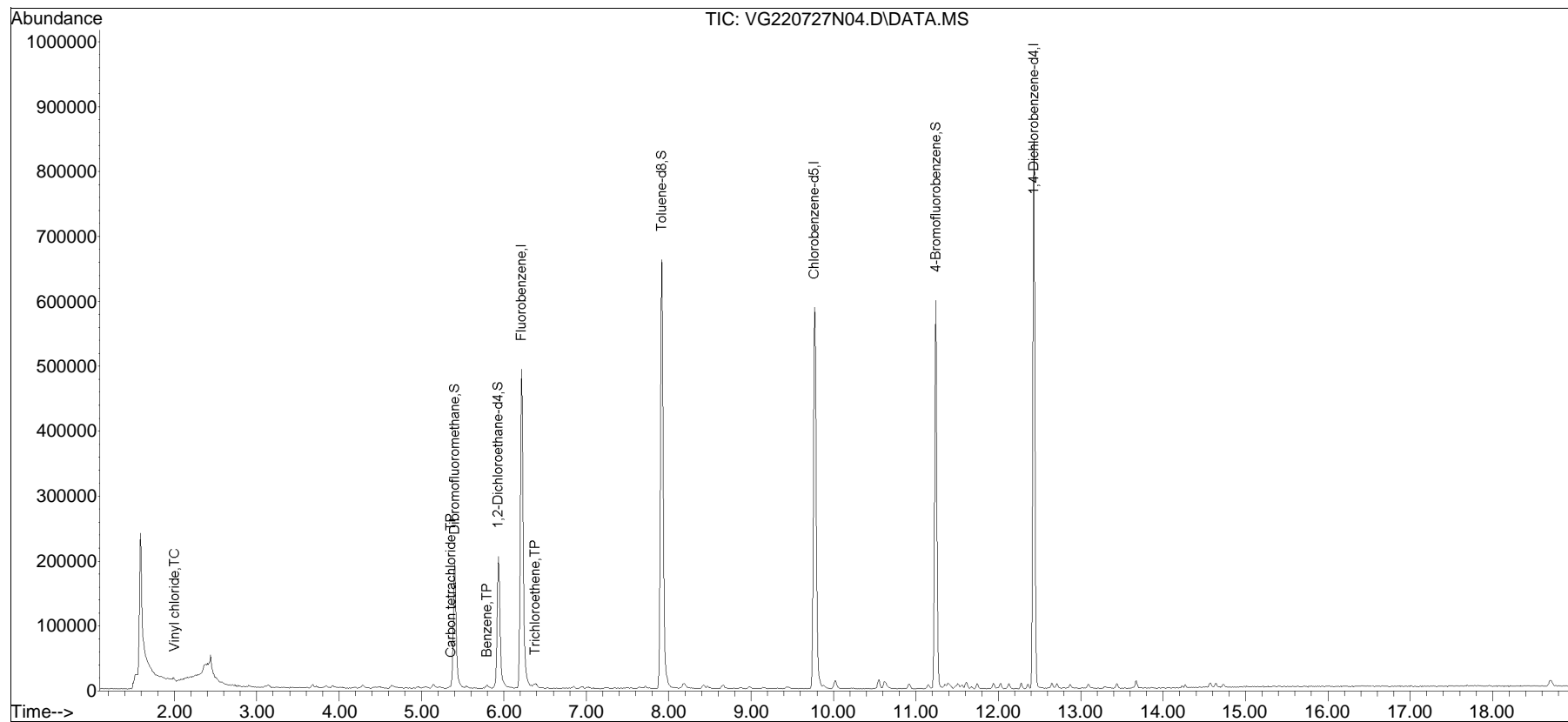
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
Data File : VG220727N04.D
Acq On : 27 Jul 2022 3:30 pm
Operator : GONZO:PD
Sample : I8260STD0.19PPB
Misc : WG1668541,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 10:07:55 2022
Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:06:58 2022
Response via : Initial Calibration

Sub List : 8260-L11 - Level 11 for 8260-LRR productVG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N04.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 3:30 pm Instrument : Gonzo
Sample : I8260STD0.19PPB Quant Date : 7/28/2022 10:07 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N06.D
 Acq On : 27 Jul 2022 4:21 pm
 Operator : GONZO:PD
 Sample : I8260STD0.5PPB
 Misc : WG1668541,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 28 10:17:54 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.216 | 96 | 554945 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 566501 | | | Recovery = | 97.96% | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 440876 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 451160 | | | Recovery = | 97.72% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 246489 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 254365 | | | Recovery = | 96.90% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.403 | 113 | 145745 | 10.151 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.51% | | |
| 43) 1,2-Dichloroethane-d4 | 5.935 | 65 | 180241 | 10.070 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.70% | | |
| 60) Toluene-d8 | 7.916 | 98 | 571227 | 10.133 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.33% | | |
| 83) 4-Bromofluorobenzene | 11.242 | 95 | 228785 | 10.107 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.07% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.726 | 85 | 2054 | 0.369 | ug/L | 91 |
| 3) Chloromethane | 1.954 | 50 | 4451 | 0.543 | ug/L # | 92 |
| 4) Vinyl chloride | 2.007 | 62 | 2956 | 0.411 | ug/L | 98 |
| 5) Bromomethane | 2.334 | 94 | 1933M3 | 0.488 | ug/L | |
| 6) Chloroethane | 2.440 | 64 | 1898 | 0.431 | ug/L # | 43 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 3772 | 0.343 | ug/L # | 77 |
| 8) Ethyl ether | 2.903 | 74 | 1817 | 0.443 | ug/L # | 65 |
| 10) 1,1-Dichloroethene | 3.116 | 96 | 2588 | 0.373 | ug/L | 91 |
| 11) Carbon disulfide | 3.139 | 76 | 6973 | 0.400 | ug/L | 96 |
| 12) Freon-113 | 3.139 | 101 | 2523 | 0.361 | ug/L | 80 |
| 13) Iodomethane | 3.253 | 142 | 2986 | 0.273 | ug/L # | 91 |
| 14) Acrolein | 0.000 | | 0 | N.D. | d | |
| 15) Methylene chloride | 3.678 | 84 | 5484 | 0.628 | ug/L | 87 |
| 17) Acetone | 3.724 | 43 | 3181 | 1.153 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 3072 | 0.395 | ug/L | 91 |
| 19) Methyl acetate | 3.845 | 43 | 3858M6 | 0.588 | ug/L | |
| 20) Methyl tert-butyl ether | 3.929 | 73 | 10366 | 0.437 | ug/L # | 85 |
| 21) tert-Butyl alcohol | 4.028 | 59 | 2320 | 2.237 | ug/L # | 67 |
| 22) Diisopropyl ether | 4.286 | 45 | 12583 | 0.426 | ug/L | 95 |
| 23) 1,1-Dichloroethane | 4.430 | 63 | 6310 | 0.404 | ug/L | 94 |
| 24) Halothane | 4.476 | 117 | 2486 | 0.378 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N06.D
 Acq On : 27 Jul 2022 4:21 pm
 Operator : GONZO:PD
 Sample : I8260STD0.5PPB
 Misc : WG1668541,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 28 10:17:54 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Acrylonitrile | 4.499 | 53 | 1587 | 0.469 | ug/L | 91 |
| 26) Ethyl tert-butyl ether | 4.643 | 59 | 12124 | 0.424 | ug/L | 82 |
| 27) Vinyl acetate | 4.666 | 43 | 9722 | 0.508 | ug/L # | 88 |
| 28) cis-1,2-Dichloroethene | 4.962 | 96 | 3787 | 0.417 | ug/L | 89 |
| 29) 2,2-Dichloropropane | 5.046 | 77 | 5482 | 0.419 | ug/L | 80 |
| 30) Bromochloromethane | 5.160 | 128 | 1822 | 0.429 | ug/L # | 80 |
| 31) Cyclohexane | 5.144 | 56 | 6969 | 0.443 | ug/L | 65 |
| 32) Chloroform | 5.220 | 83 | 6755 | 0.440 | ug/L | 95 |
| 33) Ethyl acetate | 5.342 | 43 | 5259 | 0.549 | ug/L # | 86 |
| 34) Carbon tetrachloride | 5.350 | 117 | 4579 | 0.386 | ug/L | 97 |
| 35) Tetrahydrofuran | 5.388 | 42 | 1399M6 | 0.455 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.426 | 97 | 5379 | 0.395 | ug/L | 94 |
| 39) 2-Butanone | 5.524 | 43 | 1511M4 | 0.295 | ug/L | |
| 40) 1,1-Dichloropropene | 5.540 | 75 | 4327 | 0.375 | ug/L | 81 |
| 41) Benzene | 5.790 | 78 | 13770 | 0.413 | ug/L # | 90 |
| 42) tert-Amyl methyl ether | 5.889 | 73 | 10843 | 0.429 | ug/L | 92 |
| 44) 1,2-Dichloroethane | 6.011 | 62 | 5665 | 0.459 | ug/L | 98 |
| 47) Methyl cyclohexane | 6.375 | 83 | 5537 | 0.369 | ug/L # | 52 |
| 48) Trichloroethene | 6.390 | 95 | 3850 | 0.421 | ug/L | 88 |
| 50) Dibromomethane | 6.854 | 93 | 2192 | 0.416 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 4593 | 0.477 | ug/L | 95 |
| 53) 2-Chloroethyl vinyl ether | 7.643 | 63 | 2416 | 0.395 | ug/L # | 76 |
| 54) Bromodichloromethane | 7.020 | 83 | 5085 | 0.481 | ug/L # | 97 |
| 57) 1,4-Dioxane | 7.235 | 88 | 10751 | 95.830 | ug/L # | 83 |
| 58) cis-1,3-Dichloropropene | 7.715 | 75 | 5910 | 0.409 | ug/L # | 79 |
| 61) Toluene | 7.980 | 92 | 9244 | 0.418 | ug/L | 94 |
| 62) 4-Methyl-2-pentanone | 8.410 | 58 | 1708 | 0.475 | ug/L | 97 |
| 63) Tetrachloroethene | 8.424 | 166 | 3703 | 0.382 | ug/L | 98 |
| 65) trans-1,3-Dichloropropene | 8.474 | 75 | 5694 | 0.422 | ug/L | 95 |
| 67) Ethyl methacrylate | 8.646 | 69 | 5766 | 0.468 | ug/L | 78 |
| 68) 1,1,2-Trichloroethane | 8.661 | 83 | 2924 | 0.457 | ug/L | 93 |
| 69) Chlorodibromomethane | 8.868 | 129 | 3665 | 0.402 | ug/L | 91 |
| 70) 1,3-Dichloropropane | 8.983 | 76 | 5887 | 0.442 | ug/L | 94 |
| 71) 1,2-Dibromoethane | 9.148 | 107 | 3222 | 0.408 | ug/L | 96 |
| 72) 2-Hexanone | 9.441 | 43 | 3535 | 0.450 | ug/L # | 70 |
| 73) Chlorobenzene | 9.794 | 112 | 10028 | 0.419 | ug/L # | 56 |
| 74) Ethylbenzene | 9.827 | 91 | 18712 | 0.430 | ug/L | 95 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 3812 | 0.428 | ug/L # | 66 |
| 76) p/m Xylene | 10.016 | 106 | 13634 | 0.817 | ug/L | 98 |
| 77) o Xylene | 10.551 | 106 | 12977 | 0.805 | ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N06.D
 Acq On : 27 Jul 2022 4:21 pm
 Operator : GONZO:PD
 Sample : I8260STD0.5PPB
 Misc : WG1668541,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 28 10:17:54 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 10.616 | 104 | 20930 | 0.781 | ug/L | 93 |
| 80) Bromoform | 10.649 | 173 | 1912 | 0.316 | ug/L # | 66 |
| 82) Isopropylbenzene | 10.912 | 105 | 15524 | 0.370 | ug/L | 100 |
| 84) Bromobenzene | 11.348 | 156 | 4351 | 0.414 | ug/L | 97 |
| 85) n-Propylbenzene | 11.390 | 91 | 19651 | 0.395 | ug/L | 95 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 8610 | 0.537 | ug/L | 96 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 4768 | 0.486 | ug/L | 95 |
| 88) 4-Ethyltoluene | 11.513 | 105 | 15585 | 0.378 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 11473M6 | 0.386 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.612 | 105 | 14179 | 0.401 | ug/L | 97 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 4164 | 0.480 | ug/L | 94 |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 1851 | 0.493 | ug/L # | 70 |
| 93) 4-Chlorotoluene | 11.743 | 91 | 12436 | 0.407 | ug/L | 97 |
| 94) tert-Butylbenzene | 11.941 | 119 | 11492 | 0.383 | ug/L | 90 |
| 97) 1,2,4-Trimethylbenzene | 12.023 | 105 | 13344 | 0.388 | ug/L | 98 |
| 98) sec-Butylbenzene | 12.130 | 105 | 16105 | 0.363 | ug/L | 95 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 14341 | 0.381 | ug/L | 96 |
| 100) 1,3-Dichlorobenzene | 12.360 | 146 | 7893 | 0.403 | ug/L | 95 |
| 101) 1,4-Dichlorobenzene | 12.451 | 146 | 8451 | 0.425 | ug/L # | 74 |
| 102) p-Diethylbenzene | 12.648 | 119 | 7593 | 0.354 | ug/L | 93 |
| 103) n-Butylbenzene | 12.706 | 91 | 10902 | 0.351 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 7821 | 0.415 | ug/L | 97 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 11382 | 0.383 | ug/L | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 13.644 | 155 | 811 | 0.426 | ug/L | 92 |
| 107) 1,3,5-Trichlorobenzene | 13.677 | 180 | 4825 | 0.373 | ug/L | 91 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 1978 | 0.383 | ug/L | 89 |
| 109) 1,2,4-Trichlorobenzene | 14.269 | 180 | 4282 | 0.378 | ug/L | 98 |
| 110) Naphthalene | 14.565 | 128 | 12026 | 0.456 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.730 | 180 | 3961 | 0.409 | ug/L | 99 |

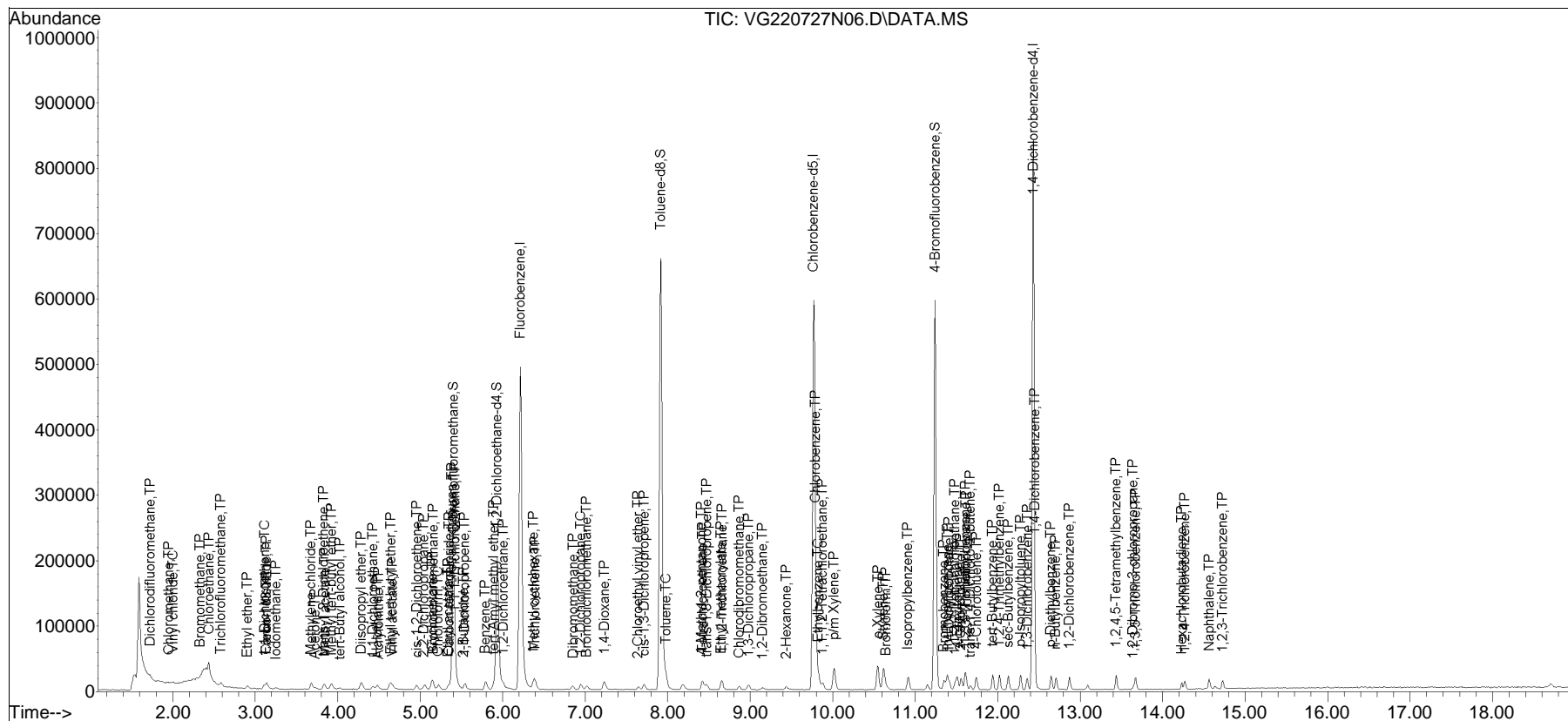
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N06.D
 Acq On : 27 Jul 2022 4:21 pm
 Operator : GONZO:PD
 Sample : I8260STD0.5PPB
 Misc : WG1668541,ICAL
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 28 10:17:54 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

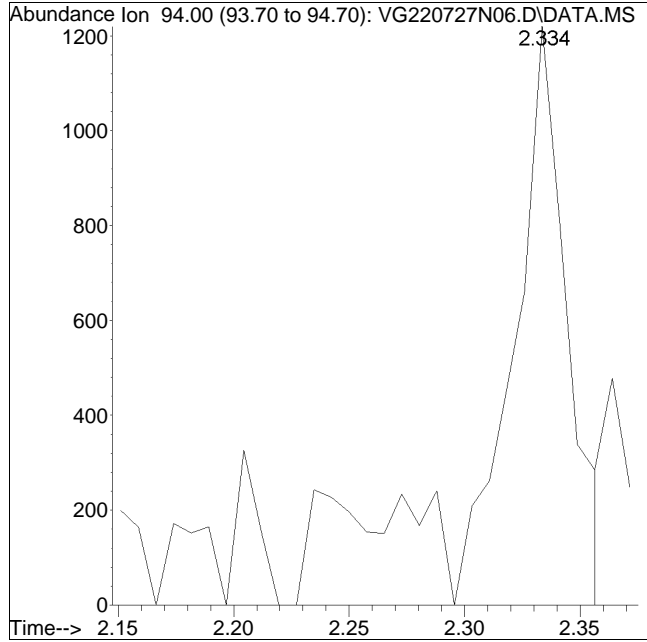
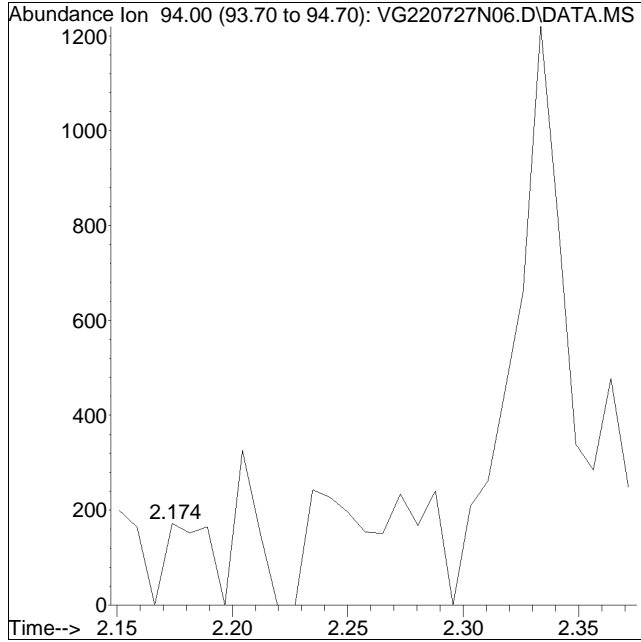
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N06.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 4:21 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/28/2022 10:17 am

Compound #5: Bromomethane



Original Peak Response = 223

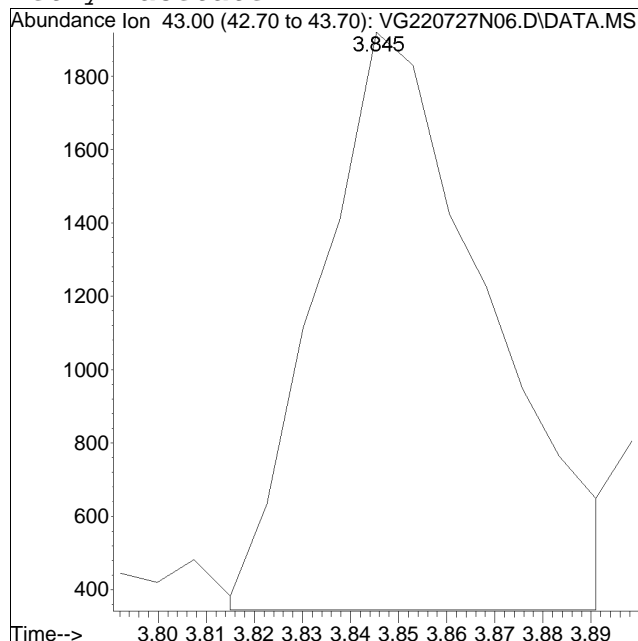
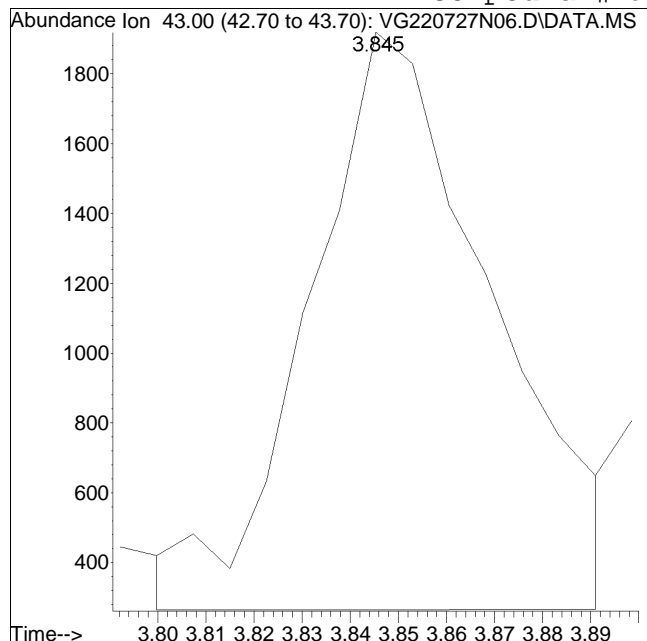
Manual Peak Response = 1933 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N06.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 4:21 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/28/2022 10:17 am

Compound #19: Methyl acetate



Original Peak Response = 4376

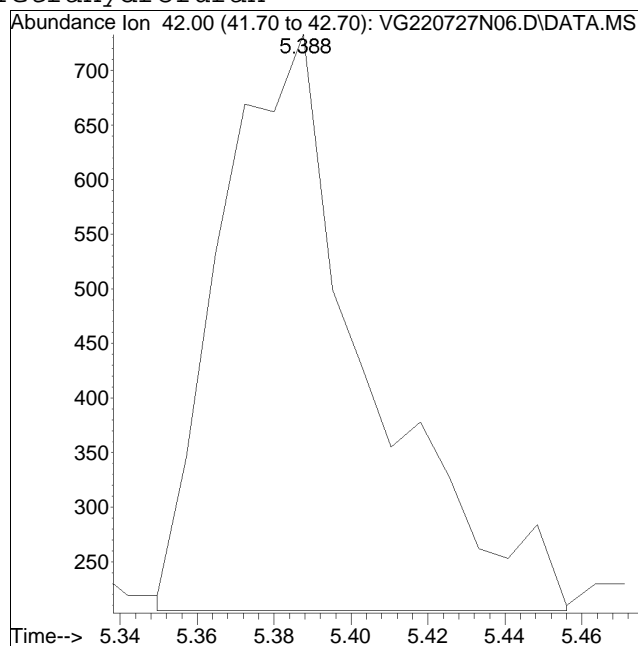
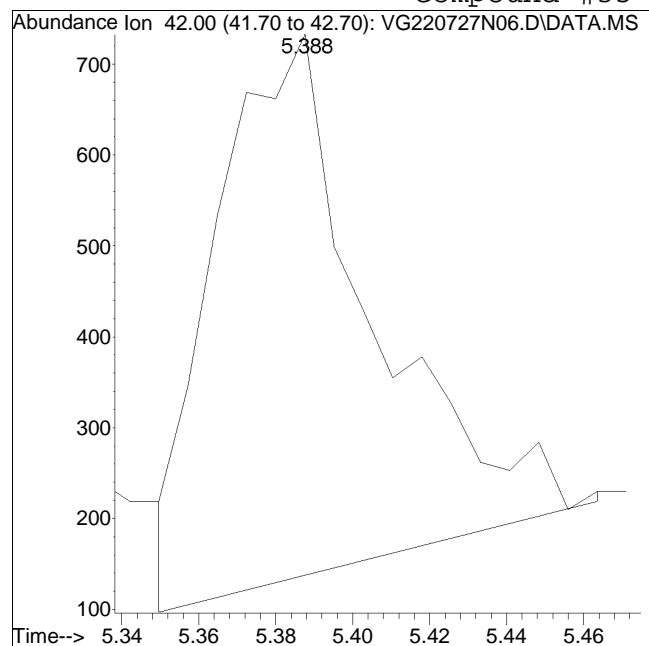
Manual Peak Response = 3858 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N06.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 4:21 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/28/2022 10:17 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1732

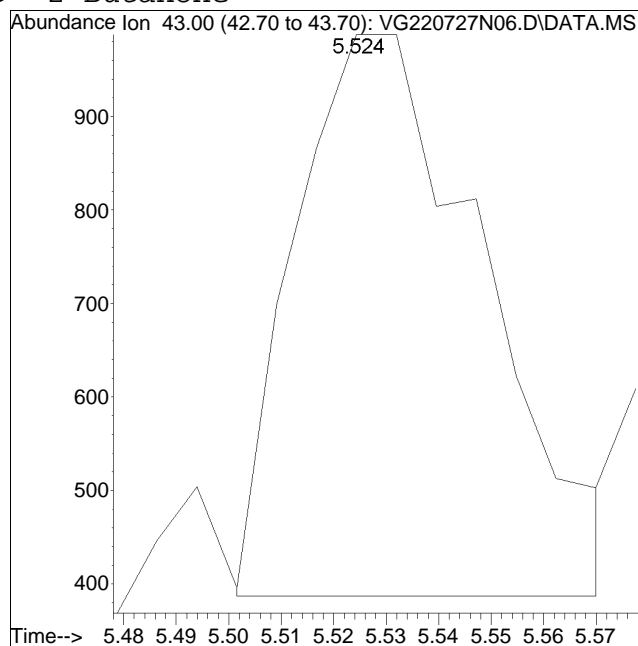
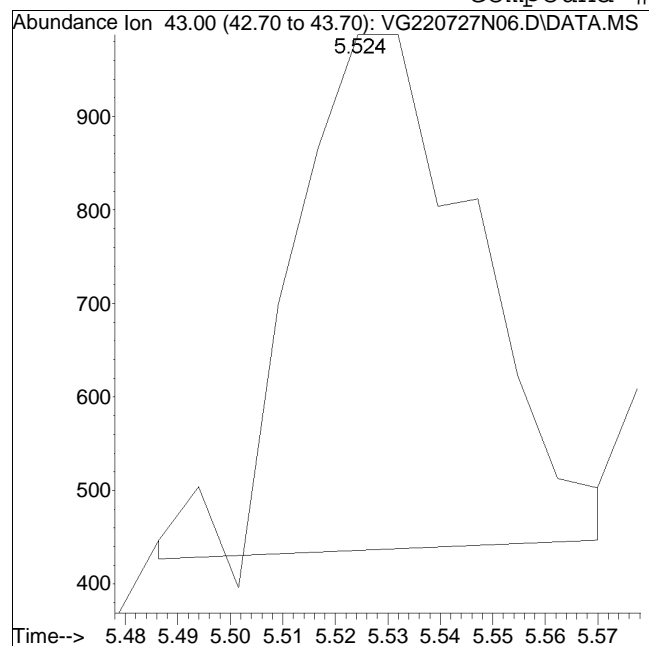
Manual Peak Response = 1399 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N06.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 4:21 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/28/2022 10:17 am

Compound #39: 2-Butanone



Original Peak Response = 1318

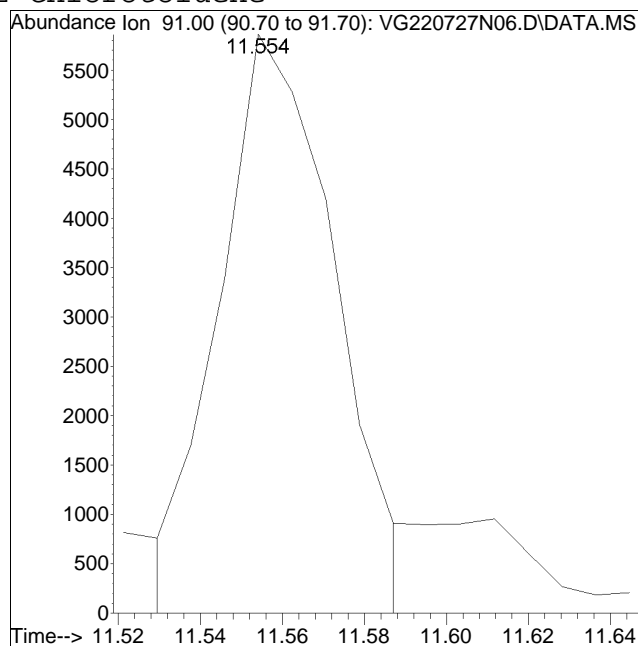
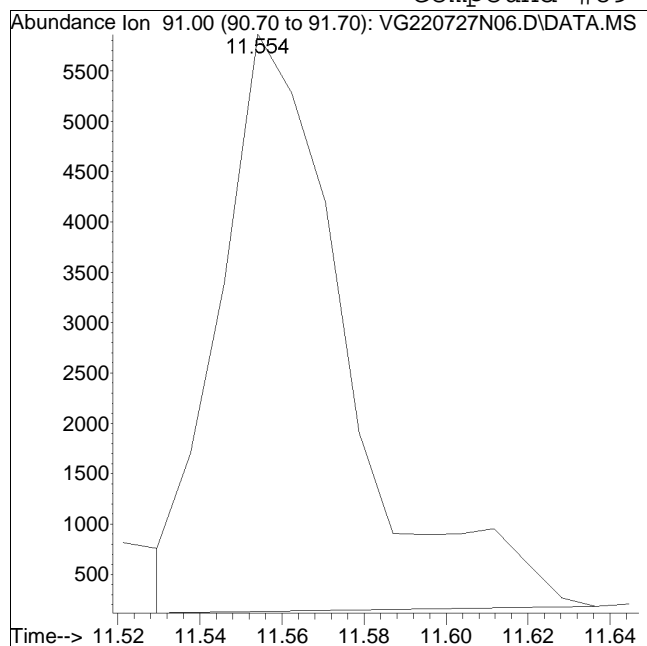
Manual Peak Response = 1511 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N06.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 4:21 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/28/2022 10:17 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 12385

Manual Peak Response = 11473 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N08.D
 Acq On : 27 Jul 2022 5:14 pm
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1668541,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 28 10:08:08 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 554424 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 566501 | | | Recovery = | 97.87% | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 440210 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 451160 | | | Recovery = | 97.57% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 246872 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 254365 | | | Recovery = | 97.05% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.403 | 113 | 143331 | 9.992 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.92% | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 182082 | 10.182 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.82% | | |
| 60) Toluene-d8 | 7.915 | 98 | 567339 | 10.080 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.80% | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 232748 | 10.266 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.66% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 9143 | 1.646 | ug/L | 96 |
| 3) Chloromethane | 1.938 | 50 | 16233 | 1.982 | ug/L | 90 |
| 4) Vinyl chloride | 2.007 | 62 | 13416 | 1.865 | ug/L | 95 |
| 5) Bromomethane | 2.333 | 94 | 7812 | 1.974 | ug/L | 99 |
| 6) Chloroethane | 2.432 | 64 | 6415 | 2.505 | ug/L | 90 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 17470 | 1.592 | ug/L | 96 |
| 8) Ethyl ether | 2.903 | 74 | 8168 | 1.991 | ug/L | 77 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 12929 | 1.864 | ug/L | 90 |
| 11) Carbon disulfide | 3.139 | 76 | 32526 | 1.867 | ug/L | 99 |
| 12) Freon-113 | 3.146 | 101 | 10200 | 1.460 | ug/L # | 60 |
| 13) Iodomethane | 3.253 | 142 | 17487 | 1.710 | ug/L | 95 |
| 14) Acrolein | 3.450 | 56 | 2934M6 | 2.310 | ug/L | |
| 15) Methylene chloride | 3.678 | 84 | 17553 | 2.011 | ug/L | 83 |
| 17) Acetone | 3.724 | 43 | 7157 | 2.189 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 15416 | 1.983 | ug/L | 89 |
| 19) Methyl acetate | 3.845 | 43 | 13425 | 2.047 | ug/L # | 90 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 45664 | 1.926 | ug/L # | 88 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 10287 | 9.928 | ug/L | 95 |
| 22) Diisopropyl ether | 4.286 | 45 | 58035 | 1.965 | ug/L | 96 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 31630 | 2.026 | ug/L | 99 |
| 24) Halothane | 4.476 | 117 | 12225 | 1.860 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N08.D
 Acq On : 27 Jul 2022 5:14 pm
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1668541,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 28 10:08:08 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Acrylonitrile | 4.483 | 53 | 7153 | 2.114 | ug/L | # 84 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 53600 | 1.874 | ug/L | 91 |
| 27) Vinyl acetate | 4.666 | 43 | 35045 | 1.831 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 18910 | 2.083 | ug/L | 90 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 24429 | 1.867 | ug/L | 92 |
| 30) Bromochloromethane | 5.152 | 128 | 8984 | 2.116 | ug/L | # 80 |
| 31) Cyclohexane | 5.144 | 56 | 24525 | 1.559 | ug/L | 72 |
| 32) Chloroform | 5.220 | 83 | 29862 | 1.945 | ug/L | 96 |
| 33) Ethyl acetate | 5.334 | 43 | 18041 | 1.885 | ug/L | 96 |
| 34) Carbon tetrachloride | 5.349 | 117 | 20976 | 1.769 | ug/L | 98 |
| 35) Tetrahydrofuran | 5.380 | 42 | 6994M6 | 2.278 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 24319 | 1.789 | ug/L | 94 |
| 39) 2-Butanone | 5.516 | 43 | 10240M6 | 2.000 | ug/L | |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 20818 | 1.807 | ug/L | 97 |
| 41) Benzene | 5.790 | 78 | 64652 | 1.942 | ug/L | # 92 |
| 42) tert-Amyl methyl ether | 5.896 | 73 | 48581 | 1.926 | ug/L | 96 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 24783 | 2.008 | ug/L | 96 |
| 47) Methyl cyclohexane | 6.375 | 83 | 22620 | 1.507 | ug/L | # 80 |
| 48) Trichloroethene | 6.398 | 95 | 17047 | 1.864 | ug/L | 99 |
| 50) Dibromomethane | 6.846 | 93 | 10688 | 2.030 | ug/L | 97 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 20103 | 2.089 | ug/L | 98 |
| 53) 2-Chloroethyl vinyl ether | 7.643 | 63 | 11409 | 1.866 | ug/L | 93 |
| 54) Bromodichloromethane | 7.020 | 83 | 21610 | 2.046 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.228 | 88 | 45132 | 402.665 | ug/L | # 83 |
| 58) cis-1,3-Dichloropropene | 7.715 | 75 | 28478 | 1.975 | ug/L | # 88 |
| 61) Toluene | 7.973 | 92 | 43741 | 1.981 | ug/L | 97 |
| 62) 4-Methyl-2-pentanone | 8.417 | 58 | 6809 | 1.898 | ug/L | 89 |
| 63) Tetrachloroethene | 8.424 | 166 | 17508 | 1.811 | ug/L | 95 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 25694 | 1.908 | ug/L | 84 |
| 67) Ethyl methacrylate | 8.646 | 69 | 23841 | 1.938 | ug/L | 89 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 12266 | 1.921 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.868 | 129 | 17113 | 1.882 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 25283 | 1.900 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 15454 | 1.961 | ug/L | 95 |
| 72) 2-Hexanone | 9.427 | 43 | 16175 | 2.062 | ug/L | # 94 |
| 73) Chlorobenzene | 9.793 | 112 | 46908 | 1.965 | ug/L | # 86 |
| 74) Ethylbenzene | 9.826 | 91 | 82070 | 1.889 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 16773 | 1.885 | ug/L | 97 |
| 76) p/m Xylene | 10.016 | 106 | 62816 | 3.770 | ug/L | 94 |
| 77) o Xylene | 10.542 | 106 | 61461 | 3.817 | ug/L | 91 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N08.D
 Acq On : 27 Jul 2022 5:14 pm
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1668541,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 28 10:08:08 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 10.608 | 104 | 102949 | 3.850 | ug/L | 95 |
| 80) Bromoform | 10.641 | 173 | 11210 | 1.849 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 75413 | 1.796 | ug/L | 100 |
| 84) Bromobenzene | 11.348 | 156 | 21372 | 2.030 | ug/L | 97 |
| 85) n-Propylbenzene | 11.389 | 91 | 89760 | 1.801 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 32503 | 2.025 | ug/L | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 19057 | 1.939 | ug/L | 94 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 75733 | 1.835 | ug/L | 96 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 58670M4 | 1.973 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 64149 | 1.809 | ug/L | 98 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 17124M1 | 1.971 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 7304 | 1.942 | ug/L # | 91 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 57774 | 1.890 | ug/L | 98 |
| 94) tert-Butylbenzene | 11.940 | 119 | 52416 | 1.744 | ug/L | 94 |
| 97) 1,2,4-Trimethylbenzene | 12.023 | 105 | 64090 | 1.861 | ug/L | 97 |
| 98) sec-Butylbenzene | 12.130 | 105 | 75554 | 1.699 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 64393 | 1.707 | ug/L | 97 |
| 100) 1,3-Dichlorobenzene | 12.360 | 146 | 37748 | 1.923 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 38196 | 1.919 | ug/L # | 93 |
| 102) p-Diethylbenzene | 12.648 | 119 | 36971 | 1.723 | ug/L | 97 |
| 103) n-Butylbenzene | 12.706 | 91 | 53608 | 1.723 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 36408 | 1.930 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 52658 | 1.769 | ug/L | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 3762 | 1.971 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 22806 | 1.760 | ug/L | 95 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 8669 | 1.675 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 14.269 | 180 | 20337 | 1.791 | ug/L | 96 |
| 110) Naphthalene | 14.556 | 128 | 49156 | 1.860 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.729 | 180 | 17181 | 1.771 | ug/L | 99 |

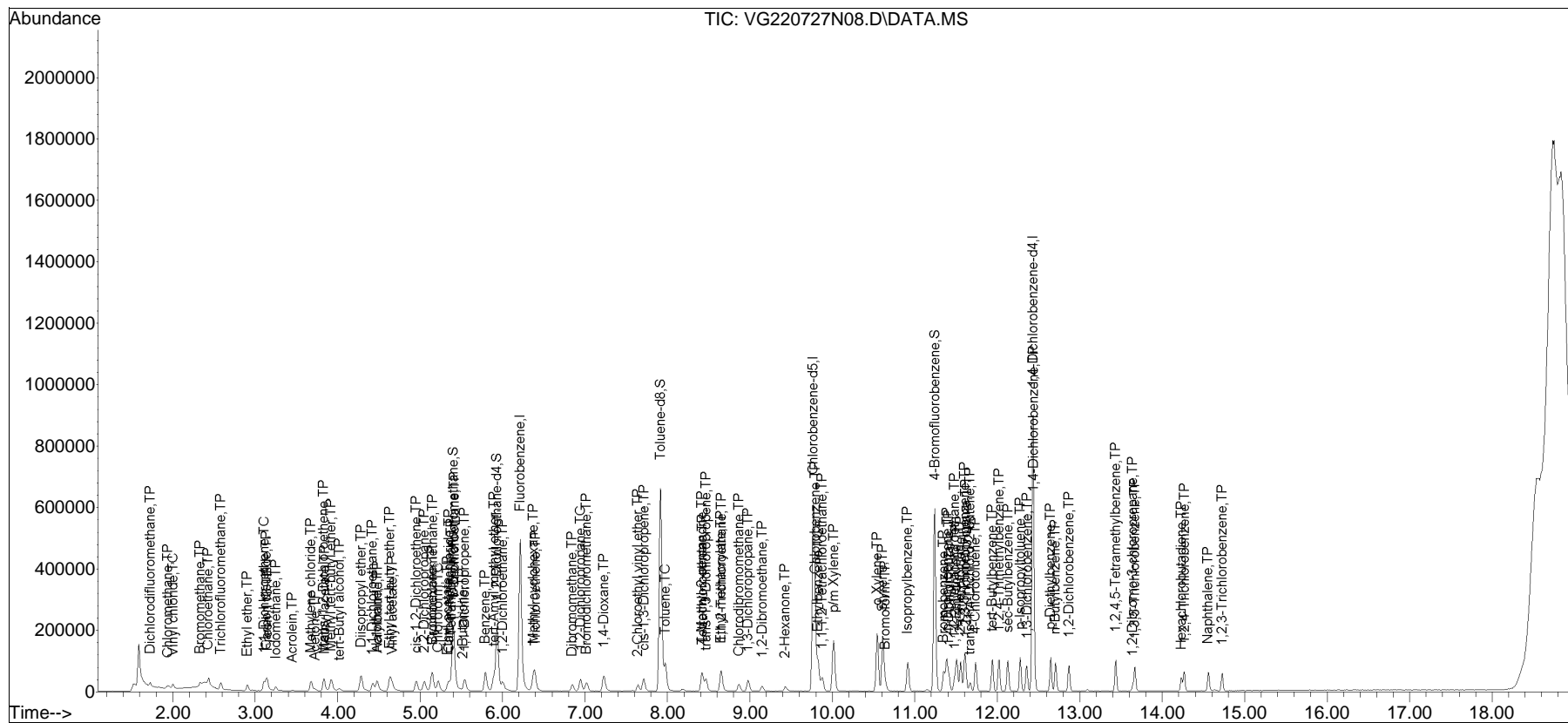
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N08.D
 Acq On : 27 Jul 2022 5:14 pm
 Operator : GONZO:PD
 Sample : I8260STD2PPB
 Misc : WG1668541,ICAL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 28 10:08:08 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

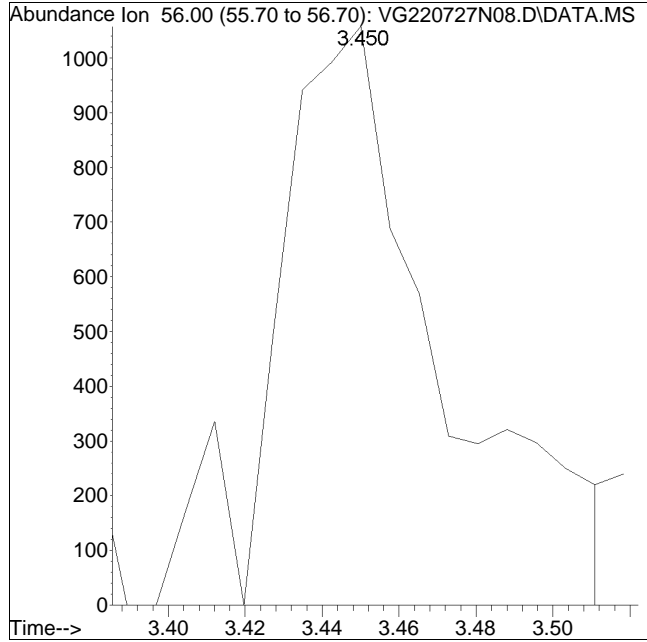
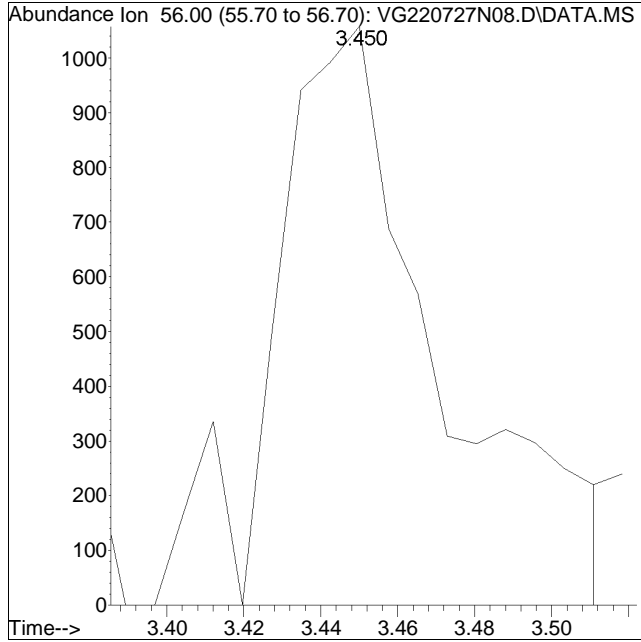
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N08.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:14 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/28/2022 10:08 am

Compound #14: Acrolein



Original Peak Response = 3165

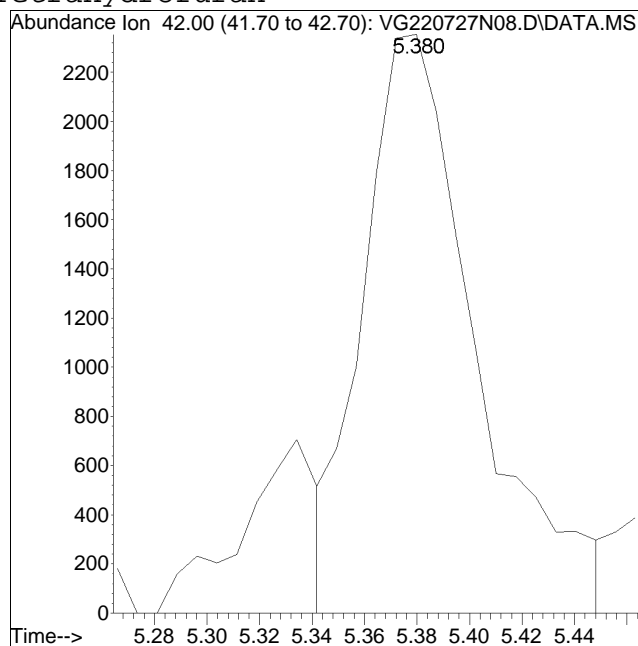
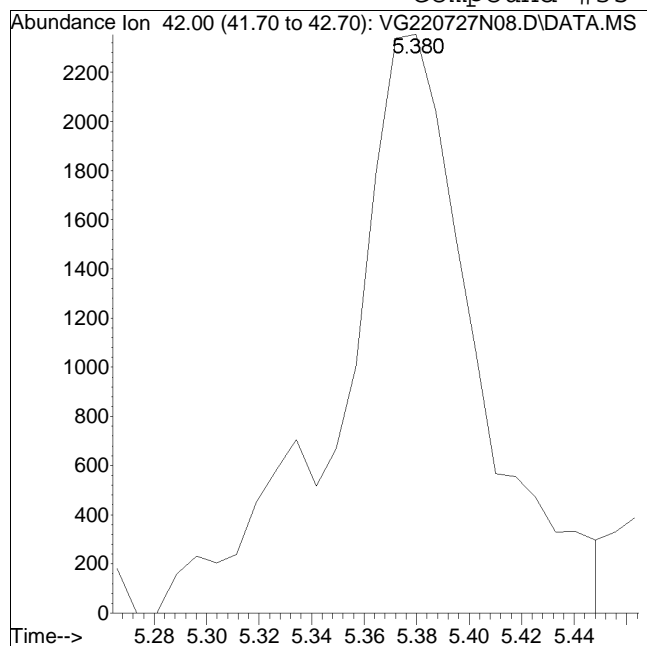
Manual Peak Response = 2934 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N08.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:14 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 8403

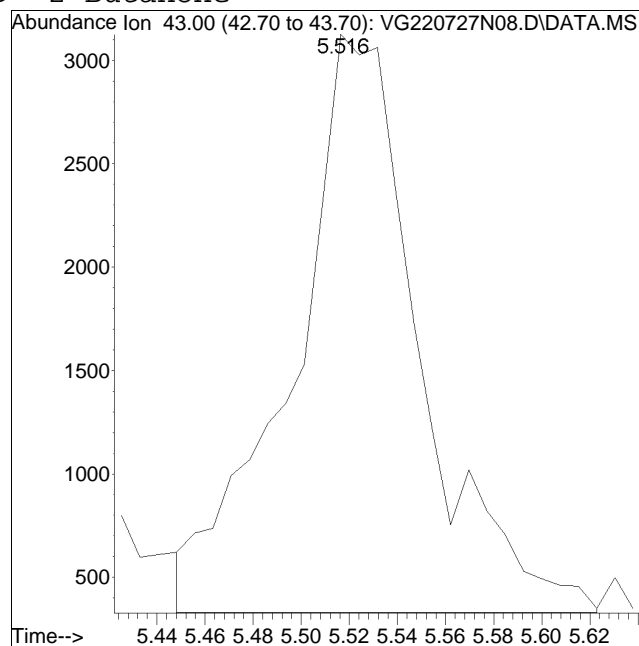
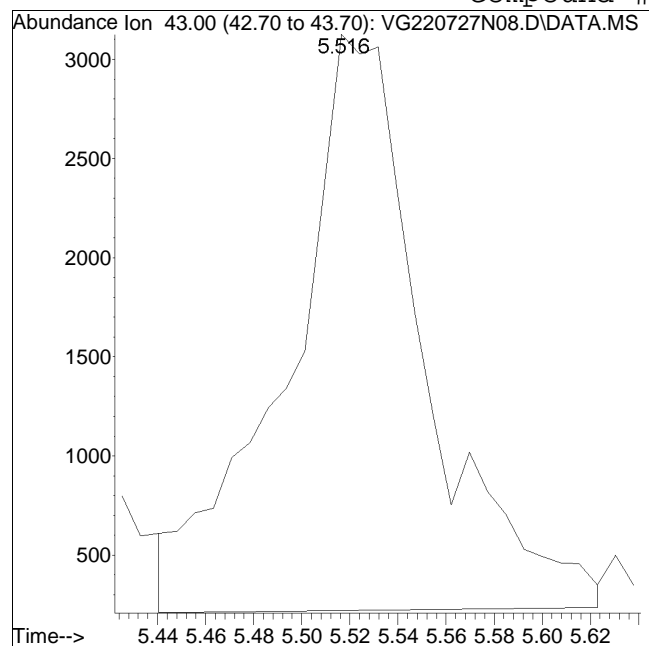
Manual Peak Response = 6994 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N08.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:14 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/28/2022 10:08 am

Compound #39: 2-Butanone



Original Peak Response = 11543

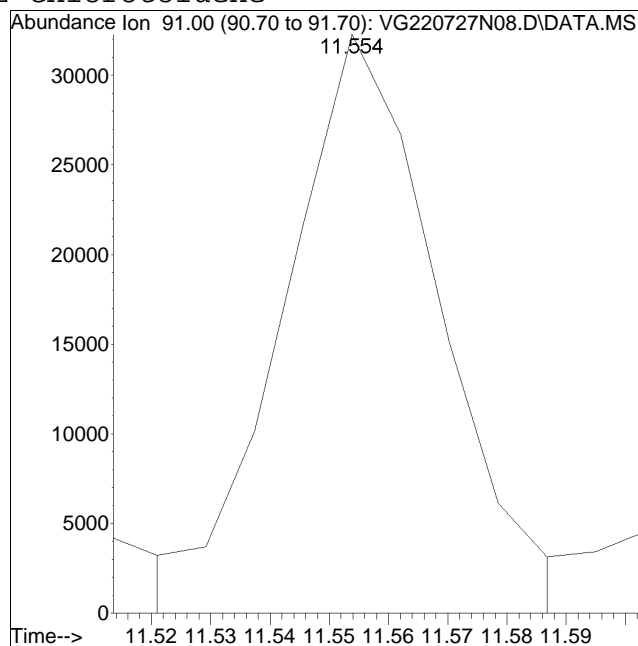
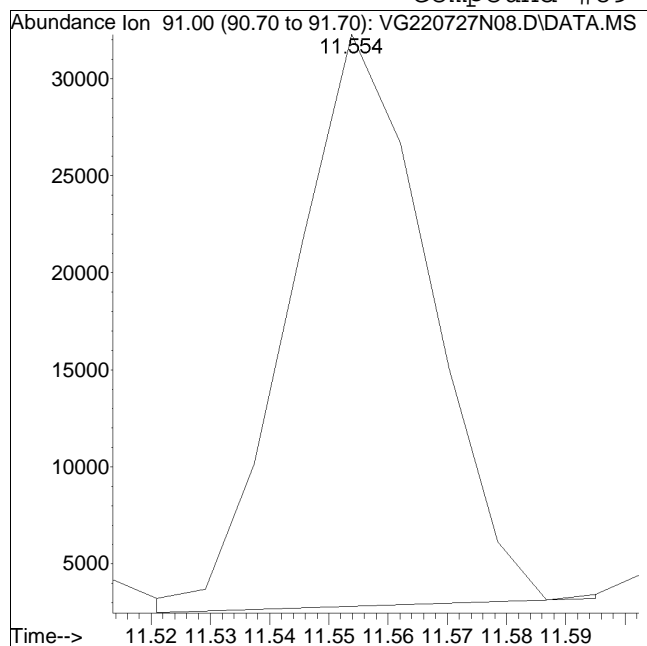
Manual Peak Response = 10240 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N08.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:14 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 47674

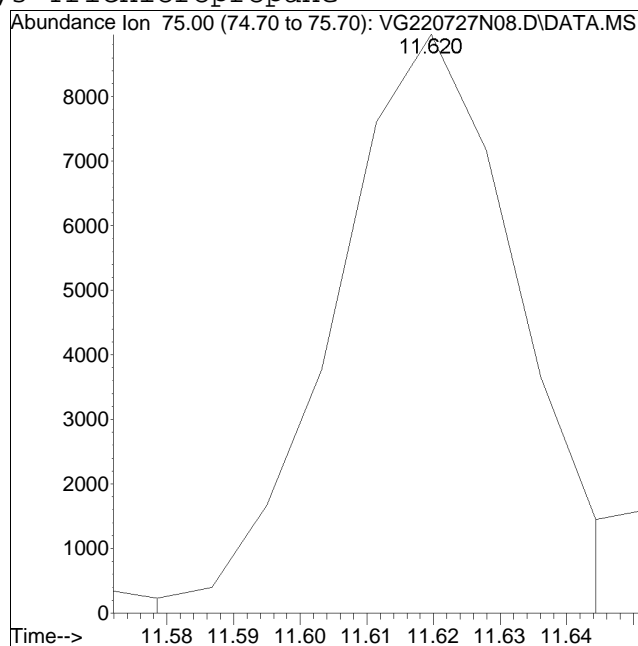
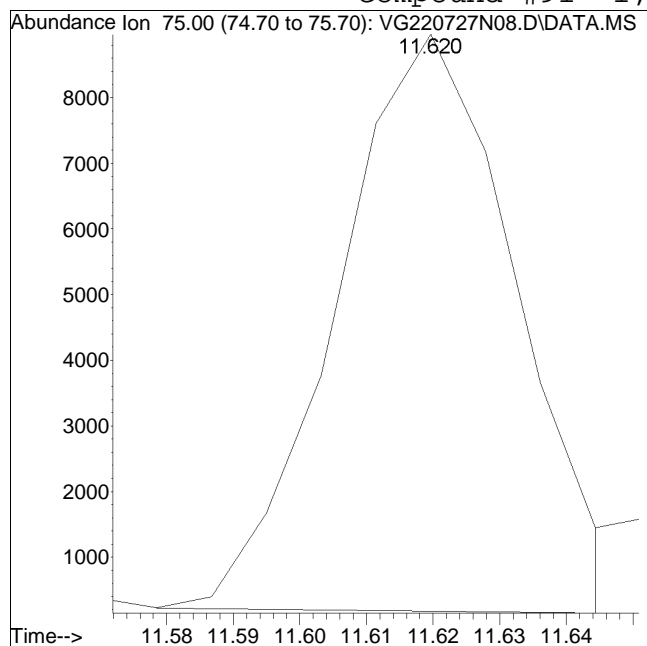
Manual Peak Response = 58670 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N08.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:14 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/28/2022 10:08 am

Compound #91: 1,2,3-Trichloropropane



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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N09.D
 Acq On : 27 Jul 2022 5:40 pm
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 28 10:08:15 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 566501 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery = 100.00% | | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 451160 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery = 100.00% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 254365 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery = 100.00% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 146264 | 9.979 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.79% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 188661 | 10.325 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 103.25% | | | | |
| 60) Toluene-d8 | 7.915 | 98 | 575919 | 9.984 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.84% | | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 236399 | 10.120 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.20% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 60643 | 10.683 | ug/L | | 96 |
| 3) Chloromethane | 1.938 | 50 | 85568 | 10.226 | ug/L | | 98 |
| 4) Vinyl chloride | 2.007 | 62 | 78848 | 10.727 | ug/L | | 98 |
| 5) Bromomethane | 2.333 | 94 | 35887 | 8.873 | ug/L | | 100 |
| 6) Chloroethane | 2.432 | 64 | 29960 | 11.451 | ug/L | | 96 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 112852 | 10.064 | ug/L | | 99 |
| 8) Ethyl ether | 2.903 | 74 | 41740 | 9.960 | ug/L | | 79 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 74802 | 10.555 | ug/L | | 84 |
| 11) Carbon disulfide | 3.139 | 76 | 184760 | 10.381 | ug/L | | 99 |
| 12) Freon-113 | 3.146 | 101 | 76189 | 10.675 | ug/L | | 94 |
| 13) Iodomethane | 3.252 | 142 | 108557 | 10.389 | ug/L | | 99 |
| 14) Acrolein | 3.442 | 56 | 12918 | 9.956 | ug/L | | 95 |
| 15) Methylene chloride | 3.678 | 84 | 84003 | 9.421 | ug/L | | 83 |
| 17) Acetone | 3.724 | 43 | 25224 | 7.550 | ug/L | | 94 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 82921 | 10.439 | ug/L | | 87 |
| 19) Methyl acetate | 3.837 | 43 | 63088 | 9.416 | ug/L | | 93 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 240096 | 9.910 | ug/L | | 92 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 51837 | 48.963 | ug/L | | 93 |
| 22) Diisopropyl ether | 4.286 | 45 | 308756 | 10.229 | ug/L | | 95 |
| 23) 1,1-Dichloroethane | 4.430 | 63 | 167273 | 10.483 | ug/L | | 99 |
| 24) Halothane | 4.476 | 117 | 68462 | 10.197 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N09.D
 Acq On : 27 Jul 2022 5:40 pm
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 28 10:08:15 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.483 | 53 | 33266 | 9.623 | ug/L | 95 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 293138 | 10.032 | ug/L | 95 |
| 27) Vinyl acetate | 4.658 | 43 | 179886 | 9.200 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 95134 | 10.254 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 142568 | 10.662 | ug/L | 97 |
| 30) Bromochloromethane | 5.152 | 128 | 44812 | 10.328 | ug/L # | 84 |
| 31) Cyclohexane | 5.144 | 56 | 168806 | 10.505 | ug/L | 82 |
| 32) Chloroform | 5.220 | 83 | 161468 | 10.294 | ug/L | 97 |
| 33) Ethyl acetate | 5.327 | 43 | 91908 | 9.398 | ug/L | 97 |
| 34) Carbon tetrachloride | 5.349 | 117 | 127863 | 10.550 | ug/L | 95 |
| 35) Tetrahydrofuran | 5.372 | 42 | 31160M3 | 9.934 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 144778 | 10.421 | ug/L | 95 |
| 39) 2-Butanone | 5.516 | 43 | 53606 | 10.245 | ug/L # | 67 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 124553 | 10.582 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 363655 | 10.693 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.896 | 73 | 256317 | 9.943 | ug/L | 99 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 127206 | 10.089 | ug/L | 97 |
| 47) Methyl cyclohexane | 6.375 | 83 | 165025 | 10.762 | ug/L # | 81 |
| 48) Trichloroethene | 6.390 | 95 | 99309 | 10.629 | ug/L | 97 |
| 50) Dibromomethane | 6.846 | 93 | 54084 | 10.054 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 99293 | 10.097 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 62622 | 10.021 | ug/L | 94 |
| 54) Bromodichloromethane | 7.020 | 83 | 109086 | 10.110 | ug/L | 100 |
| 57) 1,4-Dioxane | 7.228 | 88 | 56212 | 490.828 | ug/L | 87 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 150155 | 10.189 | ug/L # | 90 |
| 61) Toluene | 7.973 | 92 | 233104 | 10.303 | ug/L | 97 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 35522 | 9.663 | ug/L | 96 |
| 63) Tetrachloroethene | 8.424 | 166 | 103286 | 10.424 | ug/L | 97 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 135605 | 9.828 | ug/L | 96 |
| 67) Ethyl methacrylate | 8.646 | 69 | 123853 | 9.822 | ug/L | 90 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 64582 | 9.868 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.868 | 129 | 89571 | 9.609 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 135976 | 9.969 | ug/L | 98 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 79220 | 9.809 | ug/L | 99 |
| 72) 2-Hexanone | 9.427 | 43 | 78706 | 9.788 | ug/L | 95 |
| 73) Chlorobenzene | 9.793 | 112 | 251557 | 10.280 | ug/L | 96 |
| 74) Ethylbenzene | 9.826 | 91 | 460931 | 10.353 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 90140 | 9.886 | ug/L | 97 |
| 76) p/m Xylene | 10.007 | 106 | 356572 | 20.879 | ug/L | 95 |
| 77) o Xylene | 10.542 | 106 | 347168 | 21.036 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N09.D
 Acq On : 27 Jul 2022 5:40 pm
 Operator : GONZO:PD
 Sample : I8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 28 10:08:15 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 10.608 | 104 | 562468 | 20.523 | ug/L | 95 |
| 80) Bromoform | 10.641 | 173 | 61333 | 9.821 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 466447 | 10.781 | ug/L | 98 |
| 84) Bromobenzene | 11.348 | 156 | 111136 | 10.244 | ug/L | 99 |
| 85) n-Propylbenzene | 11.381 | 91 | 550723 | 10.724 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 161532 | 9.767 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 98620 | 9.740 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 456136 | 10.724 | ug/L | 97 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 321044M1 | 10.480 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 386189 | 10.572 | ug/L | 98 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 86635 | 9.679 | ug/L | 99 |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 37405 | 9.651 | ug/L # | 93 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 328839 | 10.440 | ug/L | 96 |
| 94) tert-Butylbenzene | 11.940 | 119 | 332846 | 10.748 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 12.015 | 105 | 373829 | 10.536 | ug/L | 98 |
| 98) sec-Butylbenzene | 12.130 | 105 | 500210 | 10.920 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 419751 | 10.801 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 210115 | 10.391 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 207937 | 10.138 | ug/L | 96 |
| 102) p-Diethylbenzene | 12.648 | 119 | 240964 | 10.898 | ug/L | 98 |
| 103) n-Butylbenzene | 12.706 | 91 | 348373 | 10.868 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 200471 | 10.314 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 318332 | 10.381 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 19348 | 9.837 | ug/L | 99 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 139589 | 10.454 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 57156 | 10.716 | ug/L | 98 |
| 109) 1,2,4-Trichlorobenzene | 14.269 | 180 | 119247 | 10.193 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 264768 | 9.725 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.729 | 180 | 102205 | 10.226 | ug/L | 98 |

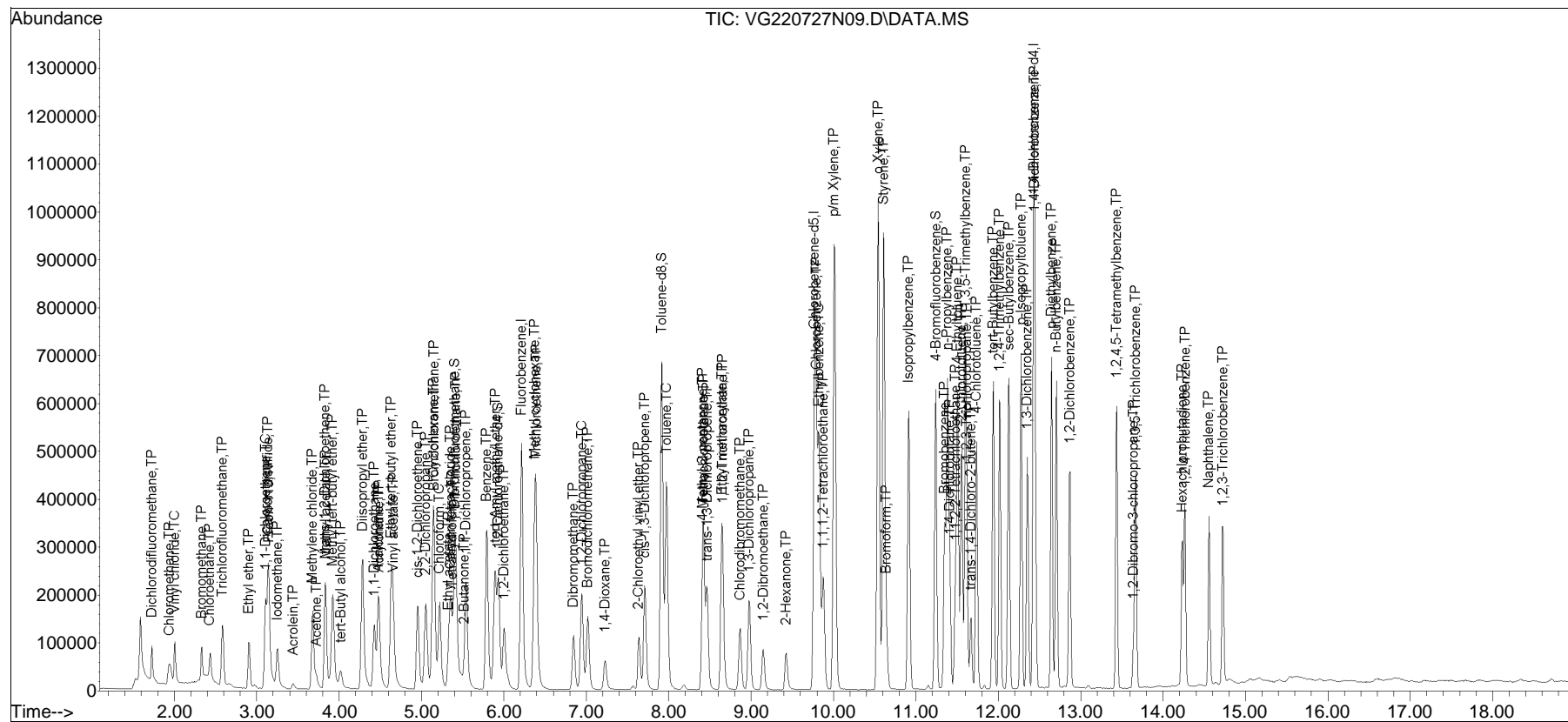
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
Data File : VG220727N09.D
Acq On : 27 Jul 2022 5:40 pm
Operator : GONZO:PD
Sample : I8260STD10PPB
Misc : WG1668541,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 28 10:08:15 2022
Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:06:58 2022
Response via : Initial Calibration

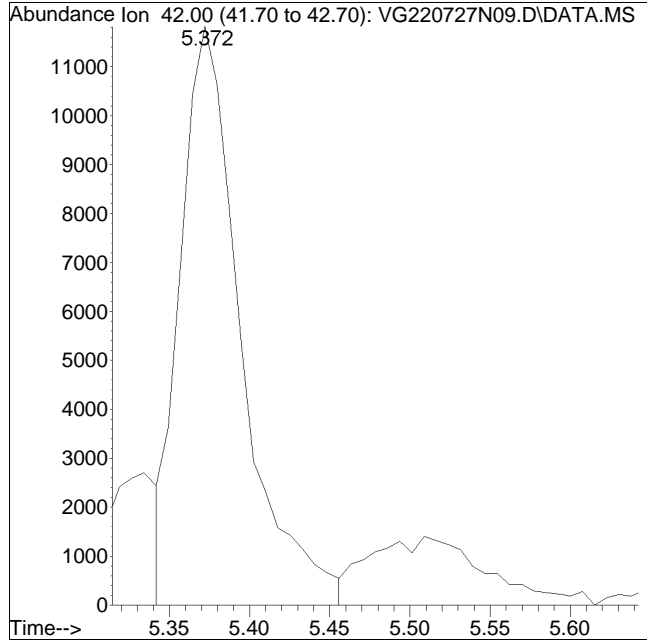
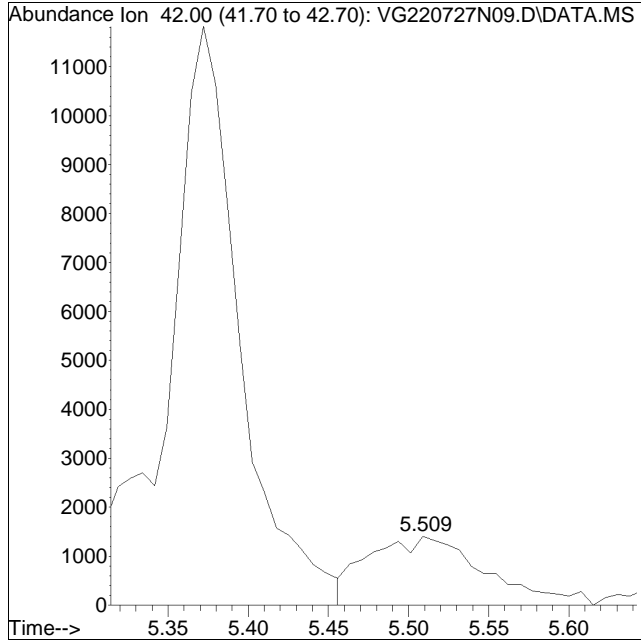
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N09.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:40 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 7125

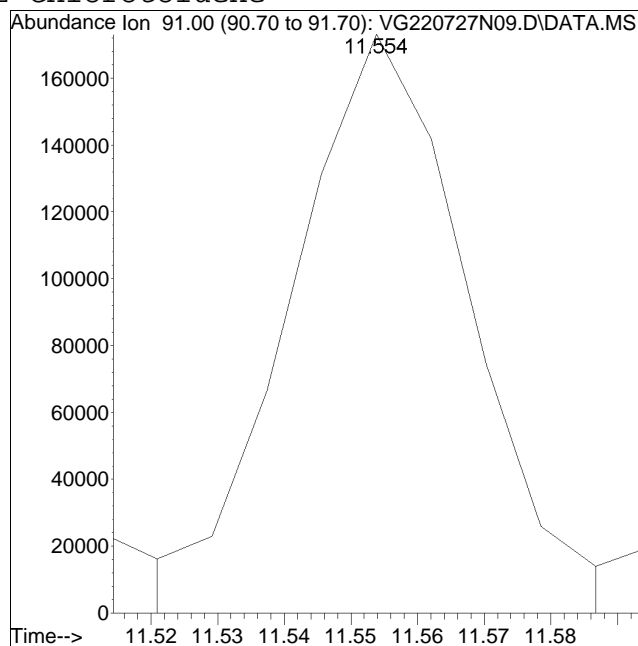
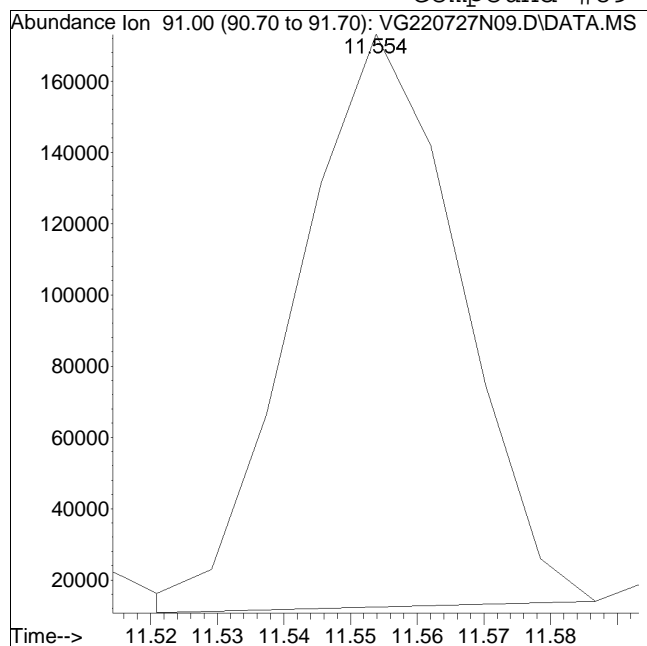
Manual Peak Response = 31160 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N09.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 5:40 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 272062

Manual Peak Response = 321044 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N10.D
 Acq On : 27 Jul 2022 6:06 pm
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1668541,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 28 10:08:22 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|----------|---------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 582403 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery | = | 102.81% | | |
| 59) Chlorobenzene-d5 | 9.768 | 117 | 455552 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery | = | 100.97% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 263905 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery | = | 103.75% | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 150917 | 10.015 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 100.15% | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 185611 | 9.881 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 98.81% | | |
| 60) Toluene-d8 | 7.915 | 98 | 582739 | 10.005 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 100.05% | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 240391 | 9.919 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 99.19% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 188931 | 32.373 | ug/L | | 98 |
| 3) Chloromethane | 1.946 | 50 | 254820 | 29.622 | ug/L | | 99 |
| 4) Vinyl chloride | 2.006 | 62 | 242493 | 32.090 | ug/L | | 99 |
| 5) Bromomethane | 2.333 | 94 | 117413 | 28.237 | ug/L | | 99 |
| 6) Chloroethane | 2.439 | 64 | 79392 | 29.516 | ug/L | | 97 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 350184 | 30.375 | ug/L | | 99 |
| 8) Ethyl ether | 2.903 | 74 | 130270 | 30.235 | ug/L | | 82 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 228712 | 31.391 | ug/L | | 84 |
| 11) Carbon disulfide | 3.138 | 76 | 564711 | 30.861 | ug/L | | 100 |
| 12) Freon-113 | 3.138 | 101 | 242667 | 33.073 | ug/L | | 99 |
| 13) Iodomethane | 3.252 | 142 | 362778 | 33.771 | ug/L | | 98 |
| 14) Acrolein | 3.442 | 56 | 36716 | 27.523 | ug/L | | 97 |
| 15) Methylene chloride | 3.678 | 84 | 260051 | 28.368 | ug/L | | 85 |
| 17) Acetone | 3.723 | 43 | 75590 | 22.008 | ug/L | | 95 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 253781 | 31.076 | ug/L | | 87 |
| 19) Methyl acetate | 3.837 | 43 | 190554 | 27.665 | ug/L | | 93 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 755903 | 30.349 | ug/L | | 91 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 158429 | 145.559 | ug/L | | 94 |
| 22) Diisopropyl ether | 4.285 | 45 | 952704 | 30.702 | ug/L | | 96 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 512370 | 31.235 | ug/L | | 99 |
| 24) Halothane | 4.475 | 117 | 219546 | 31.806 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N10.D
 Acq On : 27 Jul 2022 6:06 pm
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1668541,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 28 10:08:22 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.475 | 53 | 102274 | 28.778 | ug/L | 94 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 927626 | 30.878 | ug/L | 96 |
| 27) Vinyl acetate | 4.658 | 43 | 556686 | 27.695 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 291710 | 30.585 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 433517 | 31.536 | ug/L | 98 |
| 30) Bromochloromethane | 5.152 | 128 | 135998 | 30.489 | ug/L # | 82 |
| 31) Cyclohexane | 5.144 | 56 | 525027 | 31.780 | ug/L | 82 |
| 32) Chloroform | 5.220 | 83 | 500655 | 31.048 | ug/L | 97 |
| 33) Ethyl acetate | 5.319 | 43 | 288562 | 28.701 | ug/L | 97 |
| 34) Carbon tetrachloride | 5.349 | 117 | 416227 | 33.407 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.372 | 42 | 93051M3 | 28.854 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.417 | 97 | 455098 | 31.864 | ug/L | 97 |
| 39) 2-Butanone | 5.516 | 43 | 169518 | 31.513 | ug/L # | 64 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 383031 | 31.655 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 1124113 | 32.151 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.888 | 73 | 799269 | 30.158 | ug/L | 99 |
| 44) 1,2-Dichloroethane | 6.002 | 62 | 390745 | 30.144 | ug/L | 99 |
| 47) Methyl cyclohexane | 6.375 | 83 | 519108 | 32.930 | ug/L # | 79 |
| 48) Trichloroethene | 6.390 | 95 | 306506 | 31.909 | ug/L | 97 |
| 50) Dibromomethane | 6.838 | 93 | 166686 | 30.140 | ug/L | 94 |
| 51) 1,2-Dichloropropane | 6.944 | 63 | 306656 | 30.332 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 198100 | 30.837 | ug/L | 94 |
| 54) Bromodichloromethane | 7.020 | 83 | 332205 | 29.946 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.227 | 88 | 67219 | 570.913 | ug/L # | 86 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 463307 | 30.581 | ug/L | 90 |
| 61) Toluene | 7.972 | 92 | 714559 | 31.280 | ug/L | 99 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 110109 | 29.663 | ug/L | 94 |
| 63) Tetrachloroethene | 8.424 | 166 | 321430 | 32.126 | ug/L | 97 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 428397 | 30.748 | ug/L | 98 |
| 67) Ethyl methacrylate | 8.638 | 69 | 380667 | 29.898 | ug/L | 91 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 199141 | 30.134 | ug/L | 99 |
| 69) Chlorodibromomethane | 8.868 | 129 | 287600 | 30.556 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 422086 | 30.646 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 248862 | 30.516 | ug/L | 99 |
| 72) 2-Hexanone | 9.419 | 43 | 240770 | 29.655 | ug/L | 98 |
| 73) Chlorobenzene | 9.793 | 112 | 768730 | 31.112 | ug/L | 95 |
| 74) Ethylbenzene | 9.826 | 91 | 1409888 | 31.363 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.875 | 131 | 284910 | 30.945 | ug/L | 98 |
| 76) p/m Xylene | 10.015 | 106 | 1098395 | 63.697 | ug/L | 95 |
| 77) o Xylene | 10.542 | 106 | 1057272 | 63.447 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N10.D
 Acq On : 27 Jul 2022 6:06 pm
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1668541,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 28 10:08:22 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|--------|--------|----------|
| 78) Styrene | 10.608 | 104 | 1741193 | 62.919 | ug/L | 95 |
| 80) Bromoform | 10.640 | 173 | 198979 | 30.709 | ug/L | 100 |
| 82) Isopropylbenzene | 10.912 | 105 | 1439191 | 32.060 | ug/L | 99 |
| 84) Bromobenzene | 11.348 | 156 | 342372 | 30.416 | ug/L | 99 |
| 85) n-Propylbenzene | 11.381 | 91 | 1692358 | 31.764 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 491364 | 28.637 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 302389 | 28.786 | ug/L | 100 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 1410740 | 31.968 | ug/L | 98 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 1004273M4 | 31.598 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 1204594 | 31.785 | ug/L | 97 |
| 91) 1,2,3-Trichloropropane | 11.619 | 75 | 273651 | 29.468 | ug/L | 99 |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 117878 | 29.314 | ug/L # | 94 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 1017788 | 31.143 | ug/L | 97 |
| 94) tert-Butylbenzene | 11.940 | 119 | 1036914 | 32.272 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 1156653 | 31.420 | ug/L | 97 |
| 98) sec-Butylbenzene | 12.129 | 105 | 1566742 | 32.966 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 1317909 | 32.688 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 643305 | 30.664 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 652808 | 30.677 | ug/L | 98 |
| 102) p-Diethylbenzene | 12.648 | 119 | 745130 | 32.480 | ug/L | 97 |
| 103) n-Butylbenzene | 12.705 | 91 | 1096538 | 32.972 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.862 | 146 | 615503 | 30.523 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 13.437 | 119 | 987239 | 31.030 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 59079 | 28.952 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 439831 | 31.749 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.235 | 225 | 187191 | 33.828 | ug/L | 100 |
| 109) 1,2,4-Trichlorobenzene | 14.260 | 180 | 377435 | 31.097 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 824216 | 29.180 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.729 | 180 | 318160 | 30.683 | ug/L | 98 |

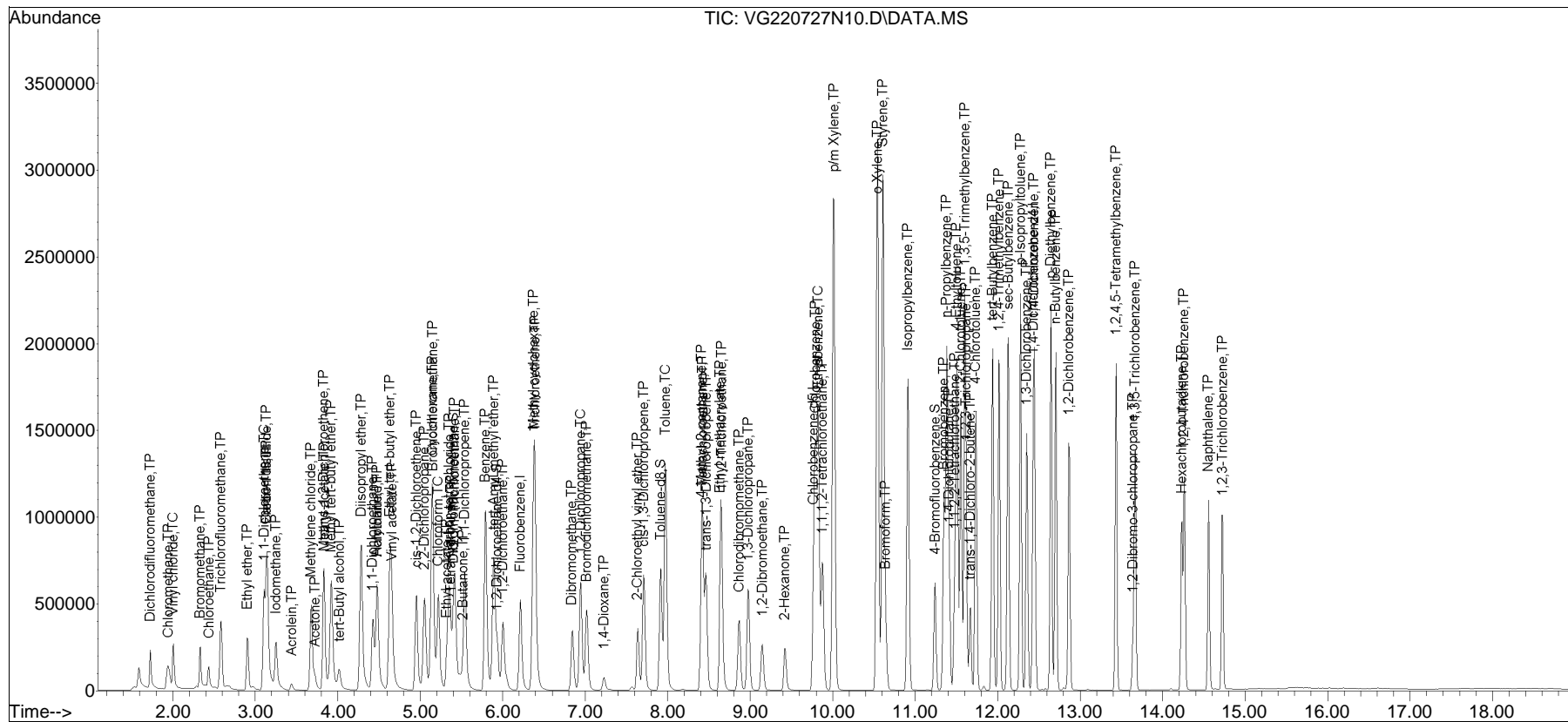
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N10.D
 Acq On : 27 Jul 2022 6:06 pm
 Operator : GONZO:PD
 Sample : I8260STD30PPB
 Misc : WG1668541,ICAL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 28 10:08:22 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

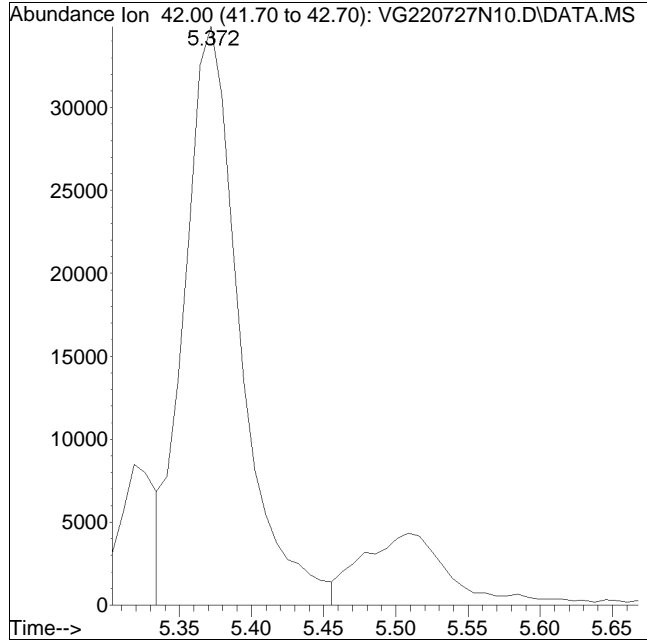
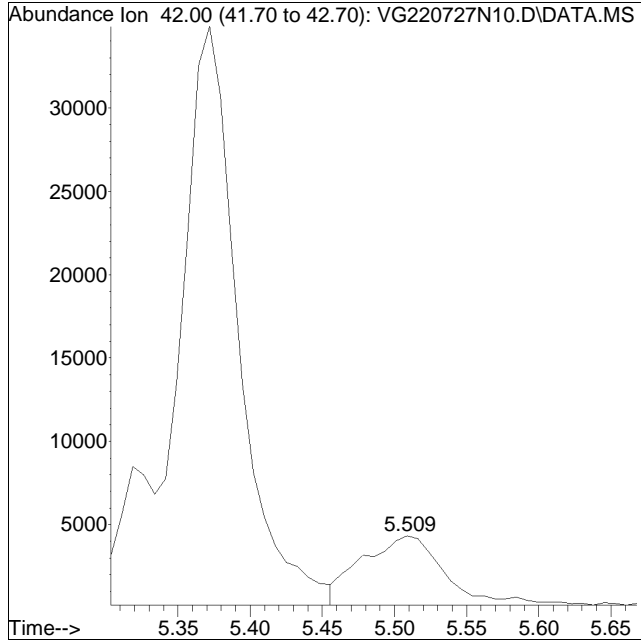
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N10.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:06 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 16636

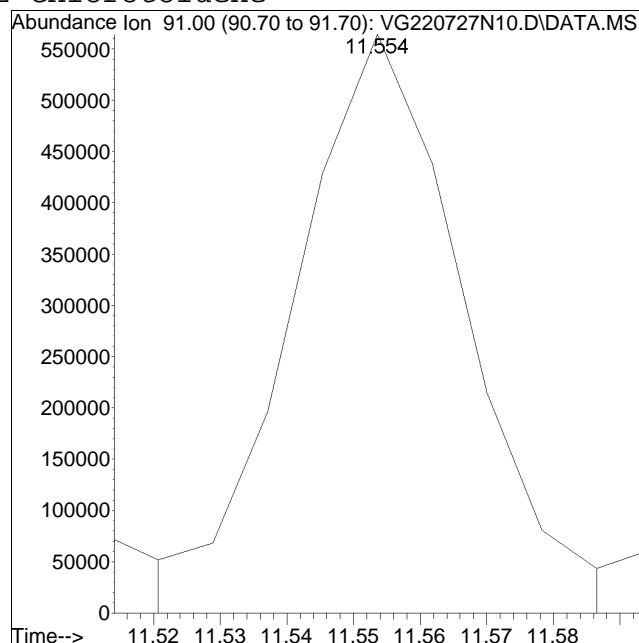
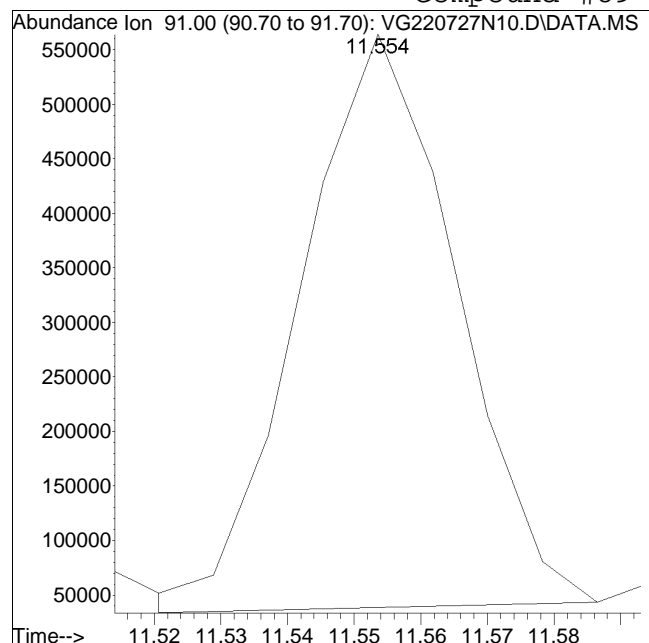
Manual Peak Response = 93051 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N10.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:06 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 851491

Manual Peak Response = 1004273 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N11.D
 Acq On : 27 Jul 2022 6:32 pm
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1668541,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 28 10:08:29 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 570950 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery = 100.79% | | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 449978 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery = 99.74% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 258985 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery = 101.82% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 145364 | 9.840 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.40% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 179898 | 9.769 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.69% | | | | |
| 60) Toluene-d8 | 7.915 | 98 | 571421 | 9.932 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.32% | | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 231874 | 9.749 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.49% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 505658 | 88.381 | ug/L | | 98 |
| 3) Chloromethane | 1.946 | 50 | 653876 | 77.537 | ug/L | | 99 |
| 4) Vinyl chloride | 2.006 | 62 | 651353 | 87.926 | ug/L | | 99 |
| 5) Bromomethane | 2.333 | 94 | 322536 | 79.124 | ug/L | | 99 |
| 6) Chloroethane | 2.432 | 64 | 163211 | 61.895 | ug/L | | 96 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 1048299 | 92.755 | ug/L | | 100 |
| 8) Ethyl ether | 2.903 | 74 | 352527 | 83.461 | ug/L | | 84 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 608308 | 85.165 | ug/L | | 84 |
| 11) Carbon disulfide | 3.138 | 76 | 1519638 | 84.714 | ug/L | | 99 |
| 12) Freon-113 | 3.138 | 101 | 647910 | 90.074 | ug/L | | 98 |
| 13) Iodomethane | 3.252 | 142 | 959409 | 91.103 | ug/L | | 98 |
| 14) Acrolein | 3.435 | 56 | 103275 | 78.971 | ug/L | | 99 |
| 15) Methylene chloride | 3.678 | 84 | 684334 | 76.150 | ug/L | | 85 |
| 17) Acetone | 3.716 | 43 | 216758 | 64.376 | ug/L | | 97 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 667674 | 83.398 | ug/L | | 87 |
| 19) Methyl acetate | 3.837 | 43 | 539551 | 79.904 | ug/L | | 93 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 2065857 | 84.607 | ug/L | | 91 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 452507 | 424.087 | ug/L | | 95 |
| 22) Diisopropyl ether | 4.286 | 45 | 2551113 | 83.862 | ug/L | | 96 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 1328988 | 82.642 | ug/L | | 99 |
| 24) Halothane | 4.476 | 117 | 584304 | 86.347 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N11.D
 Acq On : 27 Jul 2022 6:32 pm
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1668541,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 28 10:08:29 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.476 | 53 | 290704 | 83.439 | ug/L | 93 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 2500975 | 84.921 | ug/L | 90 |
| 27) Vinyl acetate | 4.658 | 43 | 1775589 | 90.106 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 767905 | 82.127 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 1128770 | 83.759 | ug/L | 98 |
| 30) Bromochloromethane | 5.152 | 128 | 361316 | 82.627 | ug/L # | 84 |
| 31) Cyclohexane | 5.144 | 56 | 1405233 | 86.764 | ug/L | 82 |
| 32) Chloroform | 5.220 | 83 | 1301689 | 82.342 | ug/L | 98 |
| 33) Ethyl acetate | 5.319 | 43 | 816534 | 82.842 | ug/L | 96 |
| 34) Carbon tetrachloride | 5.349 | 117 | 1093171 | 89.499 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.364 | 42 | 259364M3 | 82.040 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 1199682 | 85.683 | ug/L | 96 |
| 39) 2-Butanone | 5.509 | 43 | 476074 | 90.276 | ug/L # | 66 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 1021614 | 86.123 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 2946512 | 85.966 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.889 | 73 | 2198576 | 84.620 | ug/L | 99 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 1039507 | 81.801 | ug/L | 99 |
| 47) Methyl cyclohexane | 6.375 | 83 | 1370696 | 88.696 | ug/L # | 80 |
| 48) Trichloroethene | 6.390 | 95 | 779558 | 82.785 | ug/L | 97 |
| 50) Dibromomethane | 6.846 | 93 | 456733 | 84.243 | ug/L | 98 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 780370 | 78.737 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 545194 | 86.568 | ug/L | 94 |
| 54) Bromodichloromethane | 7.020 | 83 | 873106 | 80.285 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.227 | 88 | 97343 | 843.350 | ug/L | 88 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 1249428 | 84.125 | ug/L | 92 |
| 61) Toluene | 7.972 | 92 | 1863056 | 82.565 | ug/L | 99 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 314252 | 85.708 | ug/L | 98 |
| 63) Tetrachloroethene | 8.424 | 166 | 844153 | 85.417 | ug/L | 97 |
| 65) trans-1,3-Dichloropropene | 8.460 | 75 | 1177861 | 85.588 | ug/L | 99 |
| 67) Ethyl methacrylate | 8.639 | 69 | 1057384 | 84.076 | ug/L | 91 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 550132 | 84.278 | ug/L | 99 |
| 69) Chlorodibromomethane | 8.868 | 129 | 808396 | 86.953 | ug/L | 100 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 1149711 | 84.511 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 691992 | 85.906 | ug/L | 99 |
| 72) 2-Hexanone | 9.419 | 43 | 669959 | 83.539 | ug/L | 99 |
| 73) Chlorobenzene | 9.793 | 112 | 2021434 | 82.825 | ug/L | 96 |
| 74) Ethylbenzene | 9.826 | 91 | 3667940 | 82.604 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 767985 | 84.447 | ug/L | 98 |
| 76) p/m Xylene | 10.015 | 106 | 2841031 | 166.795 | ug/L | 94 |
| 77) o Xylene | 10.542 | 106 | 2753782 | 167.302 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N11.D
 Acq On : 27 Jul 2022 6:32 pm
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1668541,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 28 10:08:29 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.608 | 104 | 4650291 | 170.124 | ug/L | 96 |
| 80) Bromoform | 10.641 | 173 | 572124 | 89.974 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 3720163 | 84.447 | ug/L | 99 |
| 84) Bromobenzene | 11.348 | 156 | 920778 | 83.355 | ug/L | 99 |
| 85) n-Propylbenzene | 11.381 | 91 | 4380932 | 83.788 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 1340604 | 79.617 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 869899 | 84.384 | ug/L | 100 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 3645037 | 84.168 | ug/L | 98 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 2611817M4 | 83.738 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 3102799 | 83.428 | ug/L | 98 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 761342 | 83.543 | ug/L | 99 |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 325058 | 82.372 | ug/L # | 97 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 2658443 | 82.891 | ug/L | 96 |
| 94) tert-Butylbenzene | 11.940 | 119 | 2657788 | 84.290 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 3035244 | 84.016 | ug/L | 97 |
| 98) sec-Butylbenzene | 12.130 | 105 | 3970699 | 85.134 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 3350691 | 84.685 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 1722889 | 83.684 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 1746869 | 83.650 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.648 | 119 | 1916873 | 85.144 | ug/L | 98 |
| 103) n-Butylbenzene | 12.705 | 91 | 2770821 | 84.900 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 1646060 | 83.179 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 2667985 | 85.450 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 172727 | 86.254 | ug/L | 99 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 1164731 | 85.673 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 456891 | 84.136 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 14.260 | 180 | 1033324 | 86.753 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 2377696 | 85.777 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.721 | 180 | 891739 | 87.632 | ug/L | 99 |

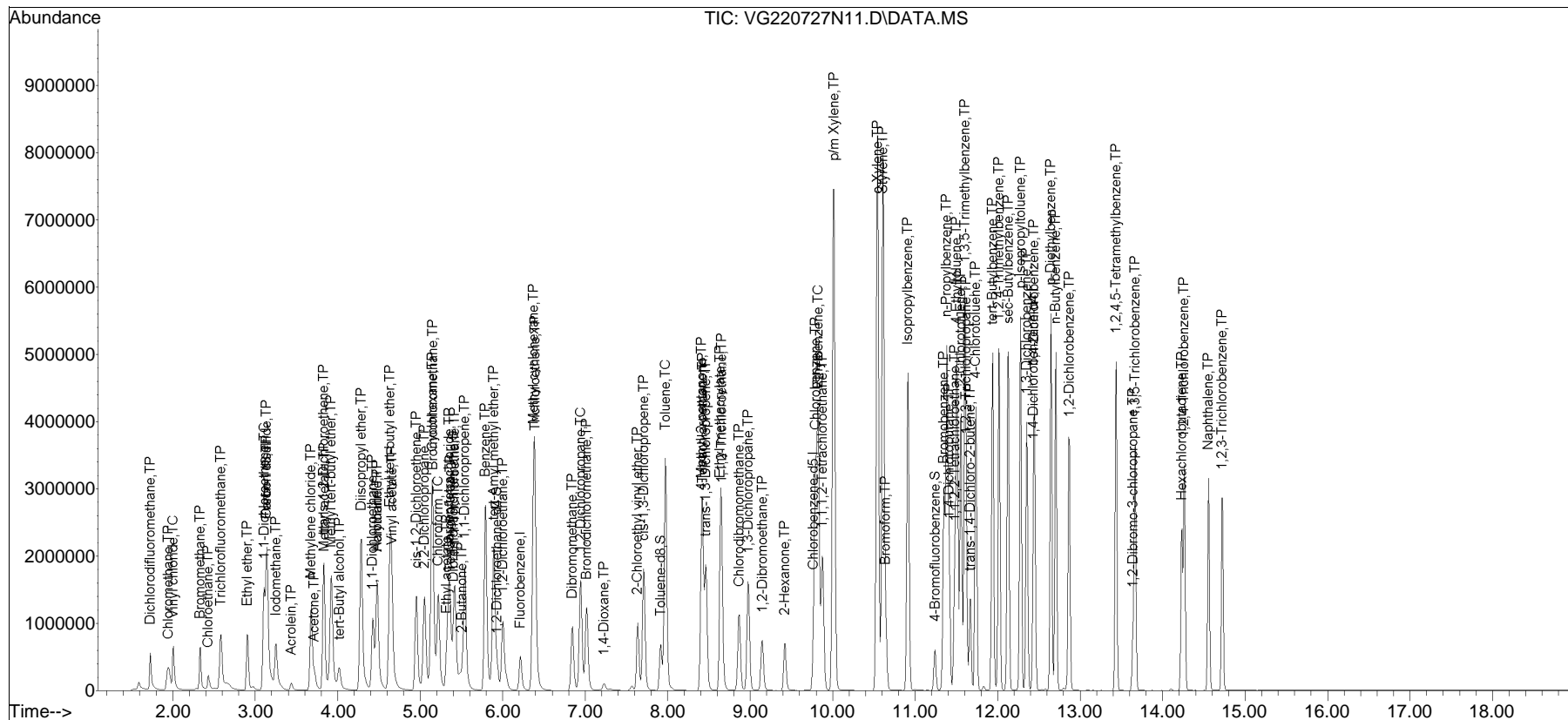
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N11.D
 Acq On : 27 Jul 2022 6:32 pm
 Operator : GONZO:PD
 Sample : I8260STD80PPB
 Misc : WG1668541,ICAL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 28 10:08:29 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

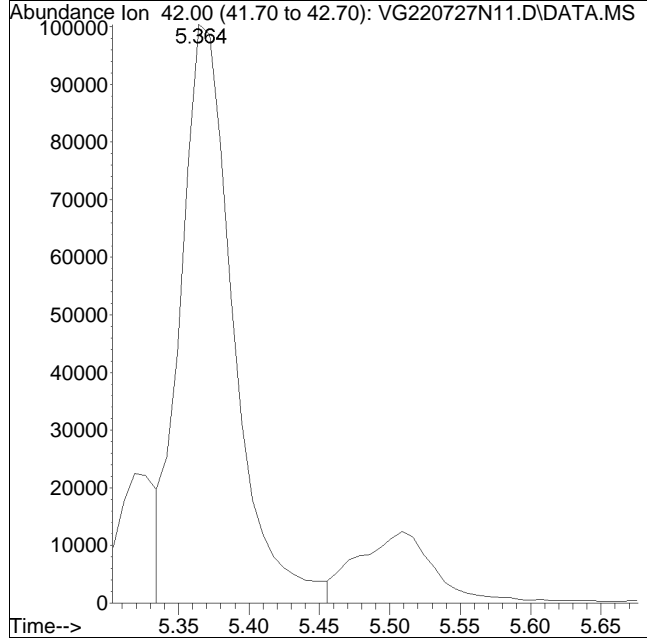
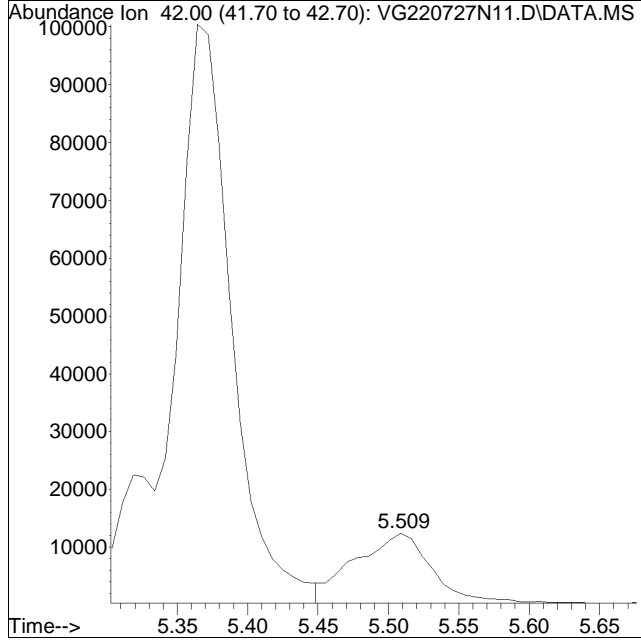
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N11.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:32 pm Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 45257

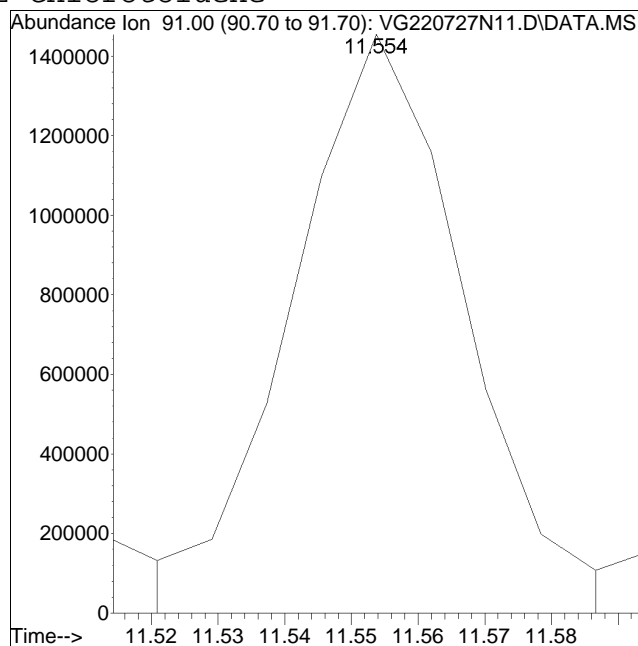
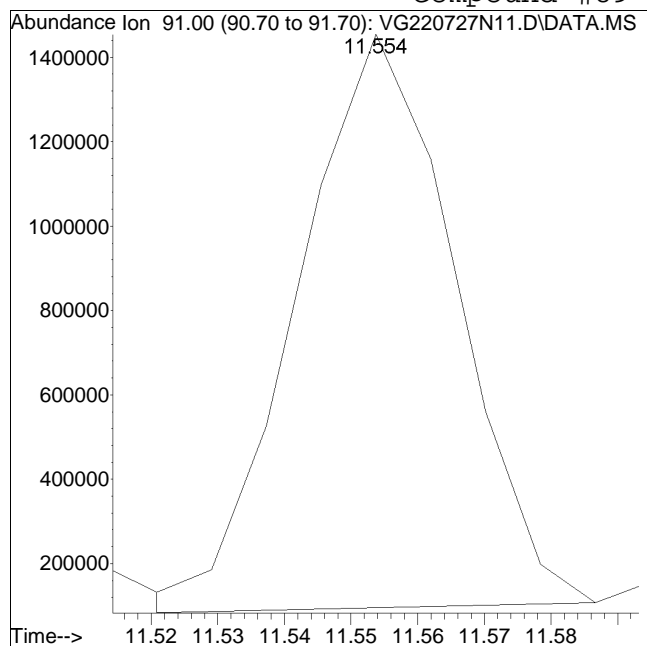
Manual Peak Response = 259364 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N11.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:32 pm Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2234089

Manual Peak Response = 2611817 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N12.D
 Acq On : 27 Jul 2022 6:58 pm
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1668541,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 28 10:08:36 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|--------------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 575047 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 566501 | | | Recovery = 101.51% | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 455059 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 451160 | | | Recovery = 100.86% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 262078 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 254365 | | | Recovery = 103.03% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 145918 | 9.807 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.07% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 178725 | 9.636 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.36% | | | |
| 60) Toluene-d8 | 7.915 | 98 | 575774 | 9.896 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.96% | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 235791 | 9.797 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.97% | | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 753356 | 130.737 | ug/L | 98 |
| 3) Chloromethane | 1.938 | 50 | 994427 | 117.079 | ug/L | 99 |
| 4) Vinyl chloride | 2.006 | 62 | 969016 | 129.875 | ug/L | 99 |
| 5) Bromomethane | 2.333 | 94 | 531896 | 129.555 | ug/L | 99 |
| 6) Chloroethane | 2.432 | 64 | 228452 | 86.019 | ug/L | 97 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 1580255M1 | 138.827 | ug/L | |
| 8) Ethyl ether | 2.903 | 74 | 520880 | 122.440 | ug/L | 84 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 915081 | 127.201 | ug/L | 84 |
| 11) Carbon disulfide | 3.138 | 76 | 2307802 | 127.735 | ug/L | 100 |
| 12) Freon-113 | 3.138 | 101 | 973181 | 134.330 | ug/L | 97 |
| 13) Iodomethane | 3.252 | 142 | 1449814 | 136.690 | ug/L | 98 |
| 14) Acrolein | 3.442 | 56 | 149262 | 113.323 | ug/L | 99 |
| 15) Methylene chloride | 3.678 | 84 | 1024801 | 113.223 | ug/L | 85 |
| 17) Acetone | 3.716 | 43 | 325176 | 95.887 | ug/L | 96 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 1007033 | 124.891 | ug/L | 87 |
| 19) Methyl acetate | 3.837 | 43 | 773423 | 113.723 | ug/L | 93 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 3048815 | 123.974 | ug/L | 92 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 652495 | 607.158 | ug/L | 96 |
| 22) Diisopropyl ether | 4.286 | 45 | 3786132 | 123.573 | ug/L | 96 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 1998711 | 123.403 | ug/L | 99 |
| 24) Halothane | 4.476 | 117 | 875549 | 128.464 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N12.D
 Acq On : 27 Jul 2022 6:58 pm
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1668541,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 28 10:08:36 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 25) Acrylonitrile | 4.476 | 53 | 419539 | 119.559 | ug/L | 93 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 3729983 | 125.749 | ug/L | 93 |
| 27) Vinyl acetate | 4.658 | 43 | 2451132 | 123.501 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 1152024 | 122.330 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 1685505 | 124.179 | ug/L | 98 |
| 30) Bromochloromethane | 5.152 | 128 | 529121 | 120.139 | ug/L # | 84 |
| 31) Cyclohexane | 5.144 | 56 | 2096259 | 128.509 | ug/L | 83 |
| 32) Chloroform | 5.220 | 83 | 1942996 | 122.034 | ug/L | 97 |
| 33) Ethyl acetate | 5.319 | 43 | 1171399 | 117.998 | ug/L | 97 |
| 34) Carbon tetrachloride | 5.349 | 117 | 1700557 | 138.234 | ug/L | 98 |
| 35) Tetrahydrofuran | 5.372 | 42 | 367668M3 | 115.470 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 1800494 | 127.677 | ug/L | 96 |
| 39) 2-Butanone | 5.509 | 43 | 694932 | 130.839 | ug/L # | 65 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 1539111 | 128.824 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 4445812 | 128.784 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.889 | 73 | 3271456 | 125.017 | ug/L | 99 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 1547877 | 120.938 | ug/L | 99 |
| 47) Methyl cyclohexane | 6.375 | 83 | 2087243 | 134.101 | ug/L # | 80 |
| 48) Trichloroethene | 6.390 | 95 | 1191957 | 125.677 | ug/L | 97 |
| 50) Dibromomethane | 6.846 | 93 | 672618 | 123.179 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 1194911 | 119.705 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 808505 | 127.463 | ug/L | 95 |
| 54) Bromodichloromethane | 7.020 | 83 | 1304158 | 119.067 | ug/L | 98 |
| 57) 1,4-Dioxane | 7.227 | 88 | 138046 | 1187.467 | ug/L | 87 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 1857488 | 124.175 | ug/L | 91 |
| 61) Toluene | 7.972 | 92 | 2829369 | 123.989 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 451082 | 121.653 | ug/L | 97 |
| 63) Tetrachloroethene | 8.424 | 166 | 1291482 | 129.222 | ug/L | 97 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 1752993 | 125.957 | ug/L | 99 |
| 67) Ethyl methacrylate | 8.639 | 69 | 1546406 | 121.587 | ug/L | 91 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 814434 | 123.374 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.868 | 129 | 1210252 | 128.724 | ug/L | 100 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 1699728 | 123.546 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 1022871 | 125.564 | ug/L | 99 |
| 72) 2-Hexanone | 9.419 | 43 | 974474 | 120.153 | ug/L | 99 |
| 73) Chlorobenzene | 9.793 | 112 | 3064488 | 124.160 | ug/L | 96 |
| 74) Ethylbenzene | 9.826 | 91 | 5619856 | 125.149 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 1161570 | 126.300 | ug/L | 99 |
| 76) p/m Xylene | 10.015 | 106 | 4353438 | 252.734 | ug/L | 94 |
| 77) o Xylene | 10.542 | 106 | 4195022 | 252.017 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N12.D
 Acq On : 27 Jul 2022 6:58 pm
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1668541,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 28 10:08:36 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.608 | 104 | 7056583 | 255.272 | ug/L | 96 |
| 80) Bromoform | 10.641 | 173 | 870063 | 135.214 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 5771700 | 129.471 | ug/L | 98 |
| 84) Bromobenzene | 11.348 | 156 | 1380092 | 123.461 | ug/L | 99 |
| 85) n-Propylbenzene | 11.381 | 91 | 6786914 | 128.272 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 1993748 | 117.008 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 1266326 | 121.389 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 5616225 | 128.155 | ug/L | 98 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 3992281M4 | 126.486 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 4819739 | 128.063 | ug/L | 97 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 1118813 | 121.319 | ug/L | 99 |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 481892 | 120.674 | ug/L # | 97 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 4099461 | 126.314 | ug/L | 97 |
| 94) tert-Butylbenzene | 11.940 | 119 | 4165013 | 130.531 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 4654693 | 127.323 | ug/L | 97 |
| 98) sec-Butylbenzene | 12.130 | 105 | 6226412 | 131.922 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 5215291 | 130.255 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 2633066 | 126.384 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 2654304 | 125.604 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.648 | 119 | 2997106 | 131.554 | ug/L | 97 |
| 103) n-Butylbenzene | 12.705 | 91 | 4359910 | 132.013 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 2501279 | 124.904 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 4088665 | 129.405 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 249296 | 123.020 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 1790138 | 130.122 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 713708 | 129.878 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 14.260 | 180 | 1575232 | 130.688 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 3482223 | 124.141 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.721 | 180 | 1322004 | 128.382 | ug/L | 99 |

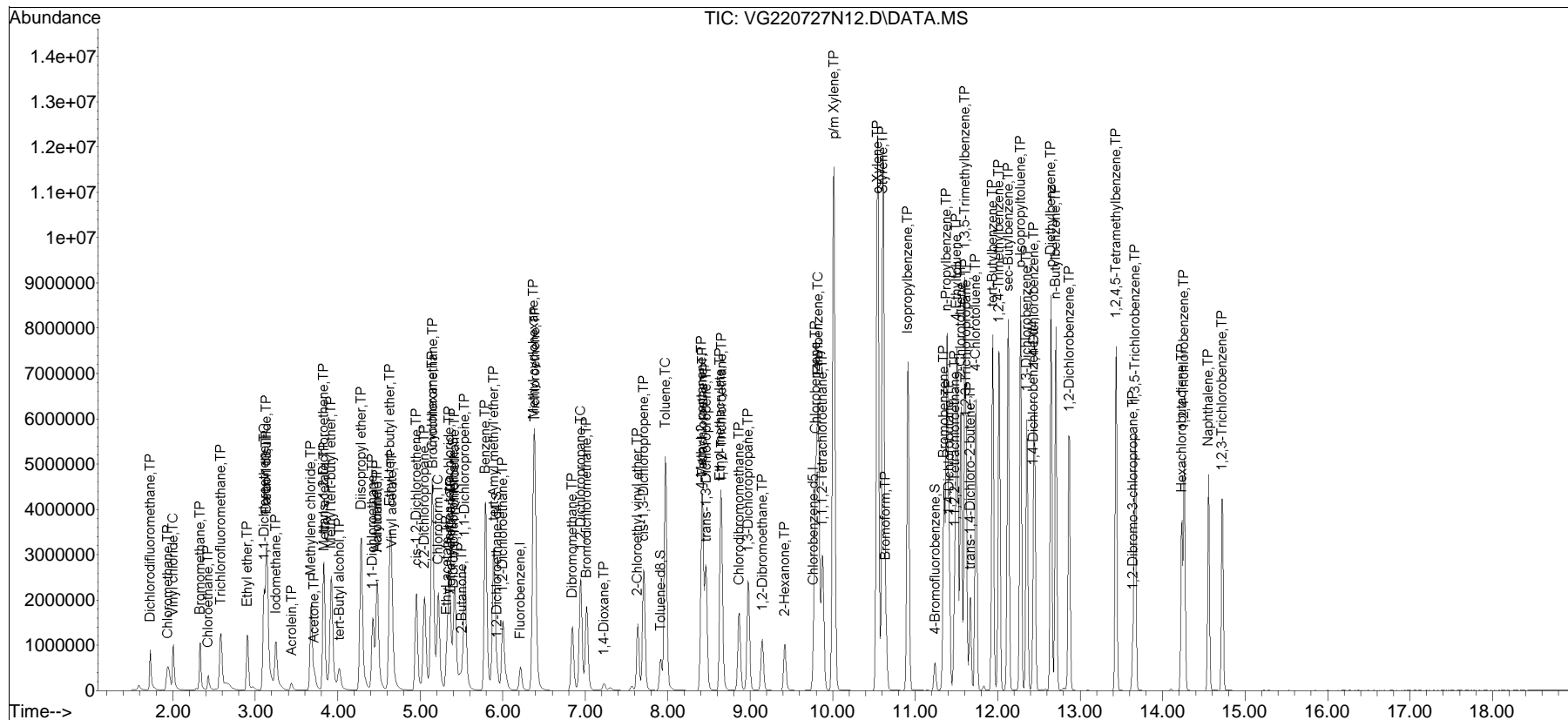
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N12.D
 Acq On : 27 Jul 2022 6:58 pm
 Operator : GONZO:PD
 Sample : I8260STD120PPB
 Misc : WG1668541,ICAL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 28 10:08:36 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

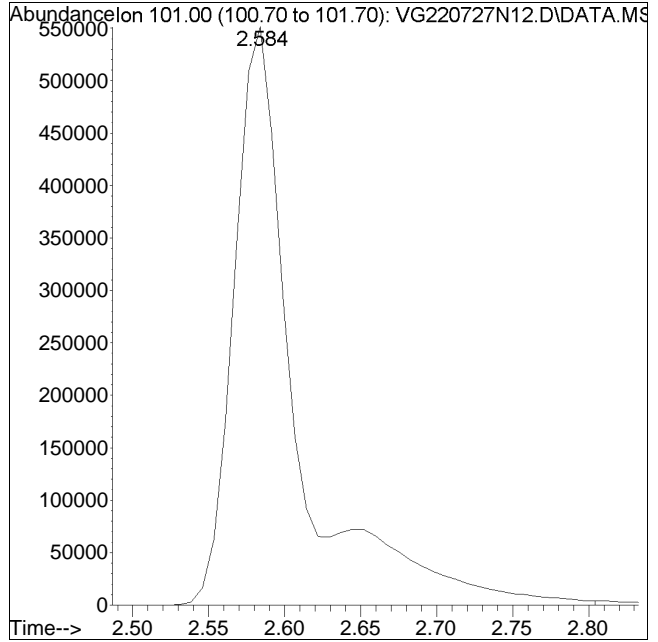
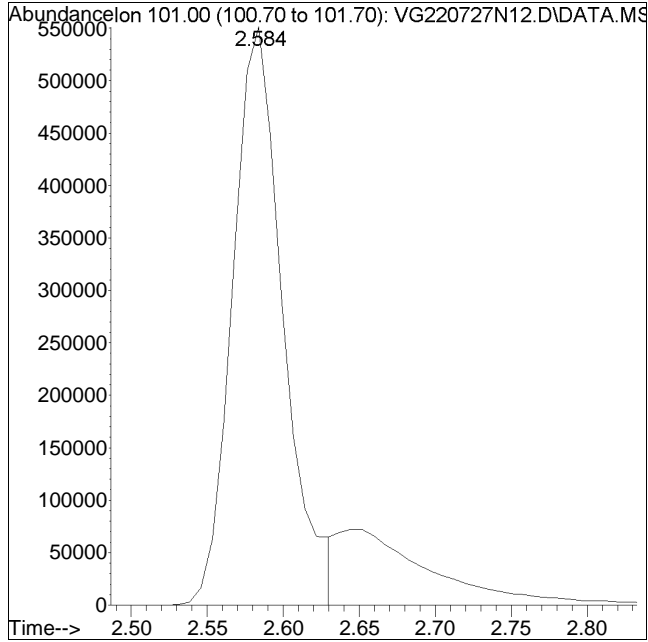
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N12.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:58 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/28/2022 10:08 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 1272845

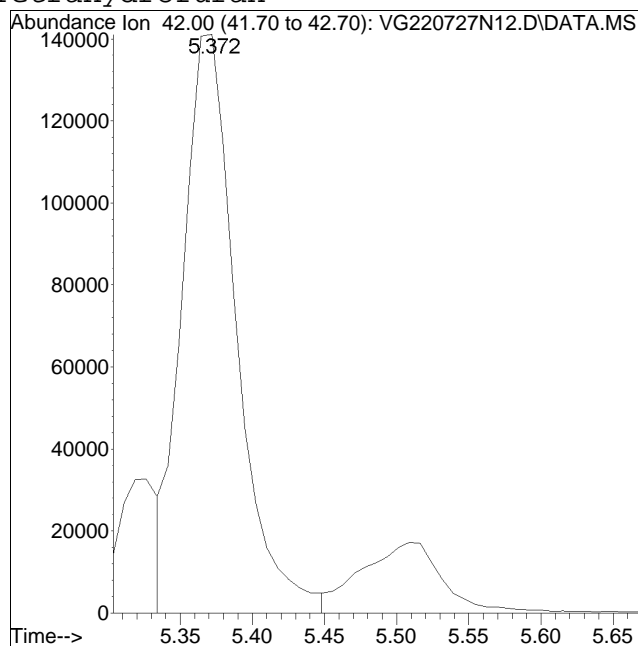
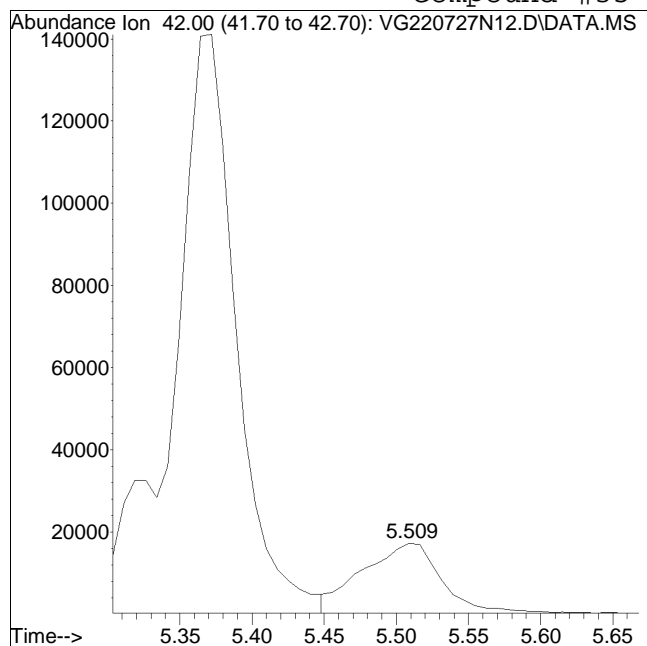
Manual Peak Response = 1580255 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N12.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:58 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 64758

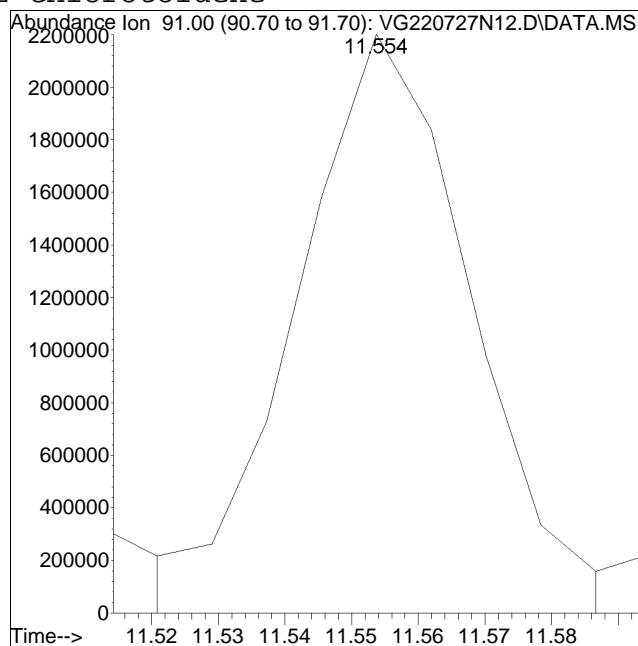
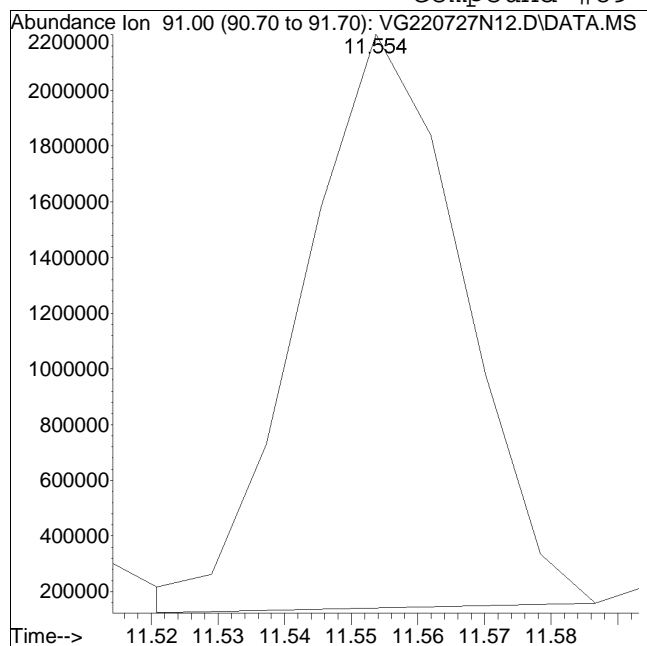
Manual Peak Response = 367668 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N12.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 6:58 pm Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 3432489

Manual Peak Response = 3992281 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N13.D
 Acq On : 27 Jul 2022 7:24 pm
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1668541,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 28 10:08:44 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|-----------|----------|---------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 582534 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery | = | 102.83% | | |
| 59) Chlorobenzene-d5 | 9.777 | 117 | 464366 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery | = | 102.93% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 262777 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery | = | 103.31% | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 152251 | 10.101 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 101.01% | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 185756 | 9.887 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 98.87% | | |
| 60) Toluene-d8 | 7.915 | 98 | 588701 | 9.915 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 99.15% | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 238562 | 9.885 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery | = | 98.85% | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 1280515 | 219.364 | ug/L | | 98 |
| 3) Chloromethane | 1.946 | 50 | 1665577 | 193.577 | ug/L | | 98 |
| 4) Vinyl chloride | 2.006 | 62 | 1652875 | 218.684 | ug/L | | 99 |
| 5) Bromomethane | 2.333 | 94 | 948459 | 228.049 | ug/L | | 98 |
| 6) Chloroethane | 2.424 | 64 | 348041 | 129.363 | ug/L | | 98 |
| 7) Trichlorofluoromethane | 2.576 | 101 | 2726237M1 | 236.424 | ug/L | | |
| 8) Ethyl ether | 2.903 | 74 | 906510 | 210.349 | ug/L | | 84 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 1597460 | 219.202 | ug/L | | 85 |
| 11) Carbon disulfide | 3.138 | 76 | 3940017 | 215.273 | ug/L | | 100 |
| 12) Freon-113 | 3.138 | 101 | 1662814 | 226.571 | ug/L | | 97 |
| 13) Iodomethane | 3.245 | 142 | 2404752 | 223.809 | ug/L | | 98 |
| 14) Acrolein | 3.435 | 56 | 266939 | 200.060 | ug/L | | 97 |
| 15) Methylene chloride | 3.678 | 84 | 1752215 | 191.102 | ug/L | | 86 |
| 17) Acetone | 3.716 | 43 | 597184 | 173.833 | ug/L | | 96 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 1725042 | 211.188 | ug/L | | 88 |
| 19) Methyl acetate | 3.837 | 43 | 1363308 | 197.882 | ug/L | | 93 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 5331810 | 214.021 | ug/L | | 92 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 1187263 | 1090.570 | ug/L | | 93 |
| 22) Diisopropyl ether | 4.286 | 45 | 6469346 | 208.435 | ug/L | | 96 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 3376545 | 205.792 | ug/L | | 99 |
| 24) Halothane | 4.475 | 117 | 1497042 | 216.829 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N13.D
 Acq On : 27 Jul 2022 7:24 pm
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1668541,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 28 10:08:44 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 25) Acrylonitrile | 4.475 | 53 | 742721 | 208.939 | ug/L | 93 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 6453982 | 214.787 | ug/L | 93 |
| 27) Vinyl acetate | 4.658 | 43 | 4304230 | 214.083 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 1973469 | 206.864 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 2833533 | 206.077 | ug/L | 98 |
| 30) Bromochloromethane | 5.152 | 128 | 893797 | 200.332 | ug/L # | 85 |
| 31) Cyclohexane | 5.144 | 56 | 3535136 | 213.932 | ug/L | 84 |
| 32) Chloroform | 5.220 | 83 | 3346812 | 207.502 | ug/L | 98 |
| 33) Ethyl acetate | 5.319 | 43 | 2100483 | 208.868 | ug/L | 96 |
| 34) Carbon tetrachloride | 5.349 | 117 | 2837858 | 227.718 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.364 | 42 | 649871M3 | 201.475 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 3073872 | 215.174 | ug/L | 97 |
| 39) 2-Butanone | 5.509 | 43 | 1201890 | 223.378 | ug/L # | 66 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 2619880 | 216.465 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 7607401 | 217.535 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.889 | 73 | 5722645 | 215.877 | ug/L | 99 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 2682633 | 206.904 | ug/L | 99 |
| 47) Methyl cyclohexane | 6.375 | 83 | 3496956 | 221.785 | ug/L # | 81 |
| 48) Trichloroethene | 6.390 | 95 | 2019603 | 210.206 | ug/L | 97 |
| 50) Dibromomethane | 6.846 | 93 | 1176453 | 212.679 | ug/L | 97 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 2021356 | 199.894 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 1418171 | 220.705 | ug/L | 94 |
| 54) Bromodichloromethane | 7.020 | 83 | 2240792 | 201.950 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.227 | 88 | 249221 | 2116.238 | ug/L | 88 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 3240488 | 213.846 | ug/L | 92 |
| 61) Toluene | 7.972 | 92 | 4818997 | 206.946 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 802007 | 211.959 | ug/L | 99 |
| 63) Tetrachloroethene | 8.424 | 166 | 2186360 | 214.376 | ug/L | 97 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 3050575 | 214.798 | ug/L | 99 |
| 67) Ethyl methacrylate | 8.639 | 69 | 2731350 | 210.450 | ug/L | 91 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 1417835 | 210.476 | ug/L | 99 |
| 69) Chlorodibromomethane | 8.868 | 129 | 2140334 | 223.086 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 2983118 | 212.485 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 1803394 | 216.941 | ug/L | 99 |
| 72) 2-Hexanone | 9.419 | 43 | 1748801 | 211.307 | ug/L | 98 |
| 73) Chlorobenzene | 9.793 | 112 | 5258405 | 208.779 | ug/L | 96 |
| 74) Ethylbenzene | 9.826 | 91 | 9521453 | 207.785 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.875 | 131 | 2015034 | 214.707 | ug/L | 99 |
| 76) p/m Xylene | 10.015 | 106 | 7308743 | 415.797 | ug/L | 94 |
| 77) o Xylene | 10.550 | 106 | 7039984 | 414.452 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N13.D
 Acq On : 27 Jul 2022 7:24 pm
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1668541,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 28 10:08:44 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.616 | 104 | 11896633 | 421.735 | ug/L | 95 |
| 80) Bromoform | 10.649 | 173 | 1530746 | 237.256 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 9657518 | 216.061 | ug/L | 99 |
| 84) Bromobenzene | 11.348 | 156 | 2350227 | 209.689 | ug/L | 99 |
| 85) n-Propylbenzene | 11.389 | 91 | 11270694 | 212.448 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.414 | 55 | 3455837 | 202.276 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 2214304 | 211.697 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.513 | 105 | 9389257 | 213.680 | ug/L | 98 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 6572033M6 | 207.666 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 8055479 | 213.469 | ug/L | 97 |
| 91) 1,2,3-Trichloropropane | 11.619 | 75 | 1939483M1 | 209.750 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 853630 | 213.195 | ug/L # | 97 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 6960044 | 213.885 | ug/L | 96 |
| 94) tert-Butylbenzene | 11.940 | 119 | 6848426 | 214.059 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 12.023 | 105 | 7926271 | 216.235 | ug/L | 97 |
| 98) sec-Butylbenzene | 12.130 | 105 | 10130454 | 214.069 | ug/L | 99 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 8598904 | 214.191 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.360 | 146 | 4479368 | 214.432 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 12.450 | 146 | 4498330 | 212.298 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.648 | 119 | 5011288 | 219.379 | ug/L | 97 |
| 103) n-Butylbenzene | 12.705 | 91 | 7213676 | 217.841 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.870 | 146 | 4317087 | 215.004 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 13.437 | 119 | 7162456 | 226.087 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 451671 | 222.293 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 3076916 | 223.060 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.235 | 225 | 1172438 | 212.788 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 14.268 | 180 | 2706228 | 223.923 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 6222835 | 221.253 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.729 | 180 | 2242106 | 217.155 | ug/L | 99 |

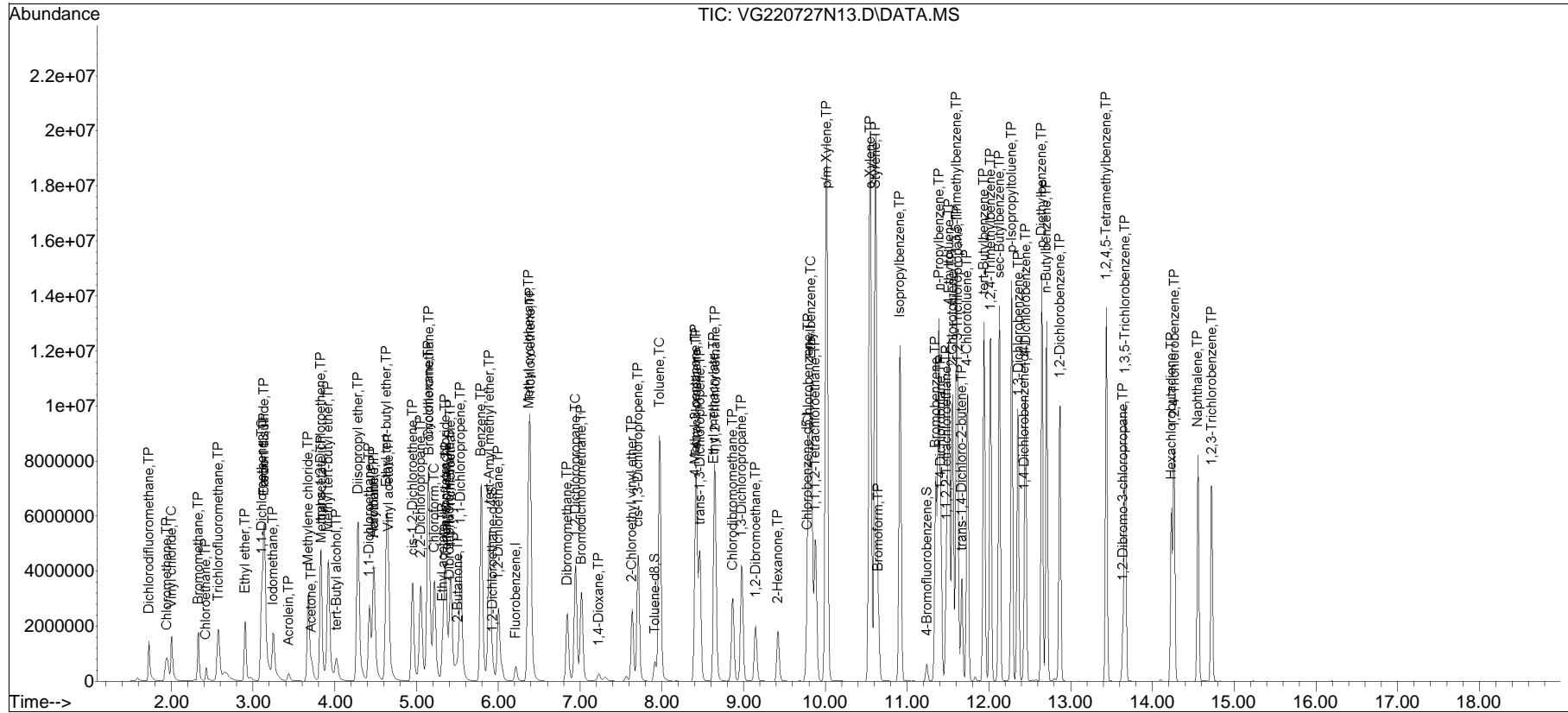
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220727N13.D
 Acq On : 27 Jul 2022 7:24 pm
 Operator : GONZO:PD
 Sample : I8260STD200PPB
 Misc : WG1668541,ICAL
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 28 10:08:44 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:06:58 2022
 Response via : Initial Calibration

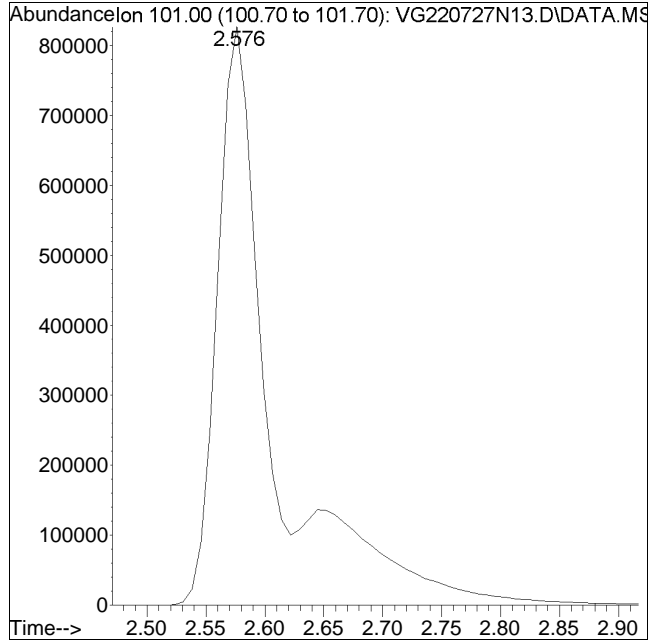
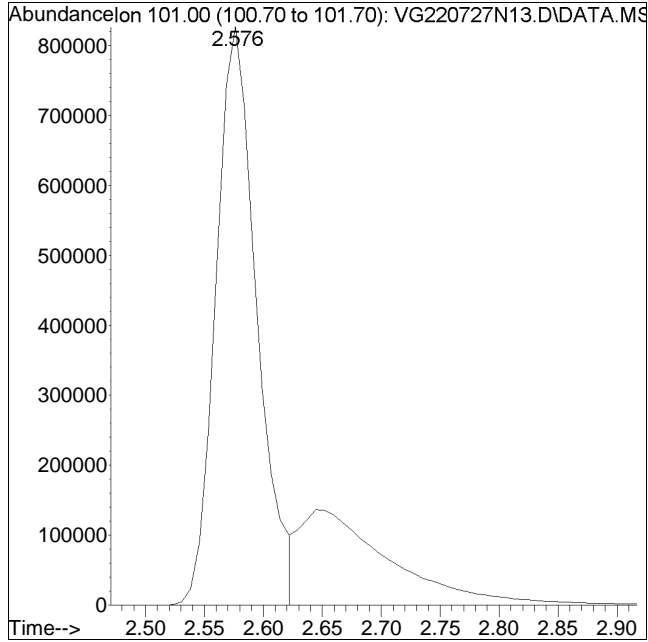
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N13.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 7:24 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/28/2022 10:08 am

Compound #7: Trichlorofluoromethane



Original Peak Response = 1993711

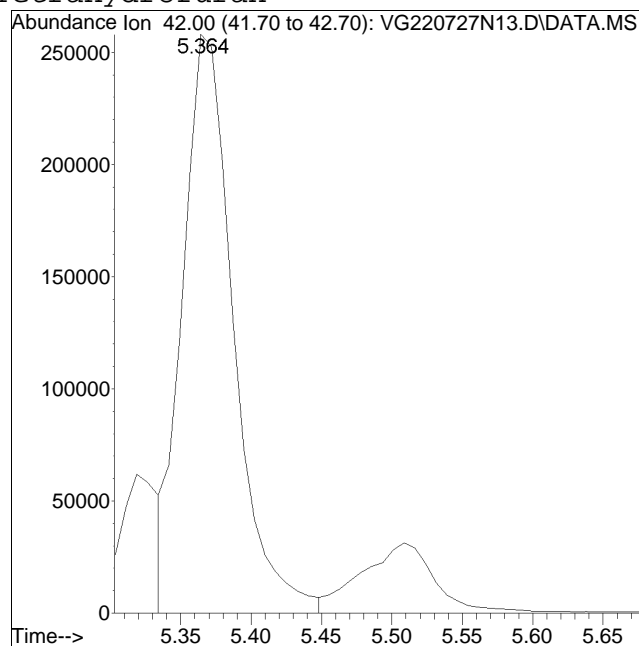
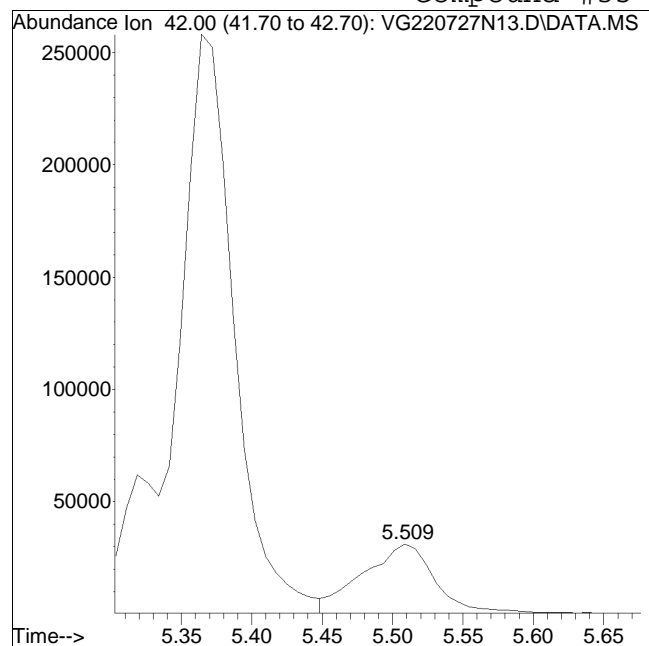
Manual Peak Response = 2726237 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N13.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 7:24 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/28/2022 10:08 am

Compound #35: Tetrahydrofuran



Original Peak Response = 108175

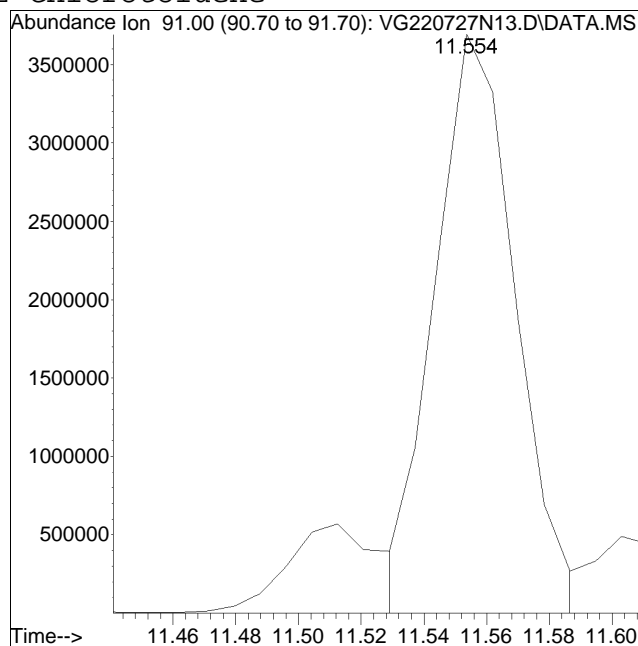
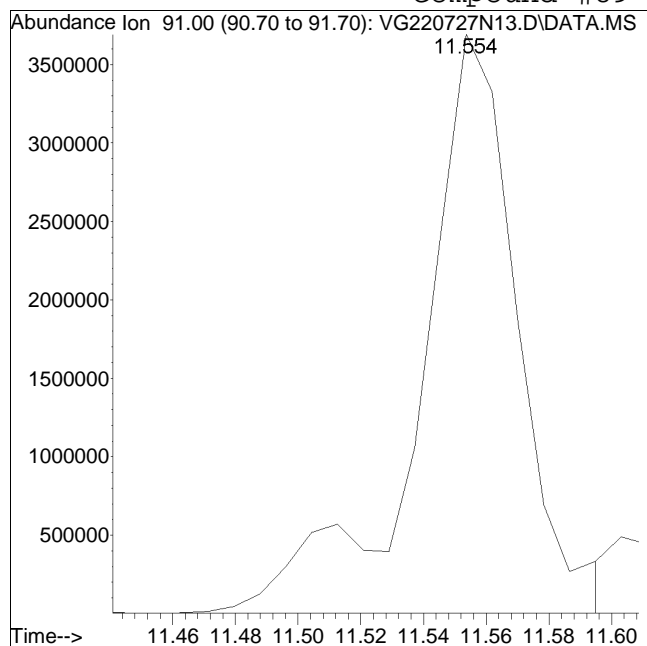
Manual Peak Response = 649871 M3

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\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N13.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 7:24 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/28/2022 10:08 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 7884530

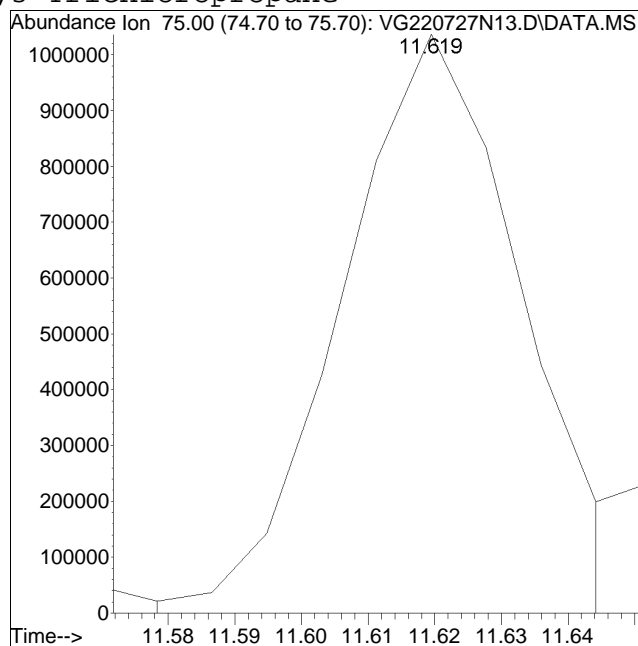
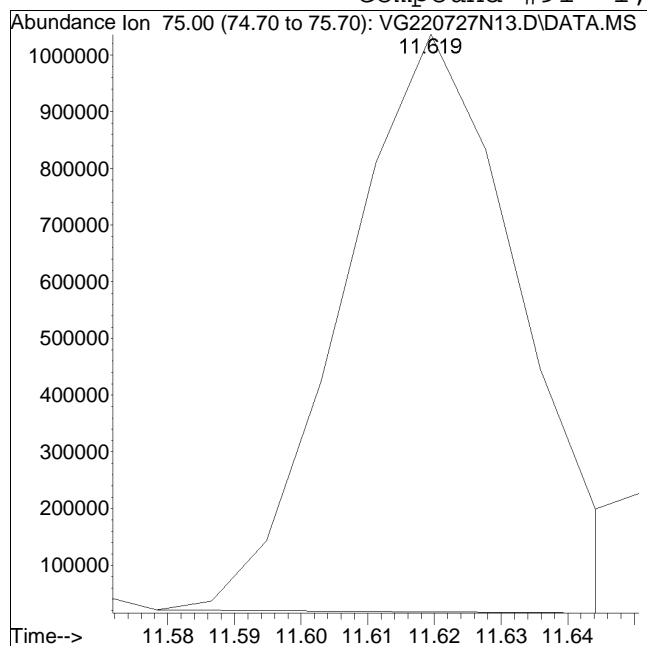
Manual Peak Response = 6572033 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220727N13.D Operator : GONZO:PD
Date Inj'd : 7/27/2022 7:24 pm Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/28/2022 10:08 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1866152

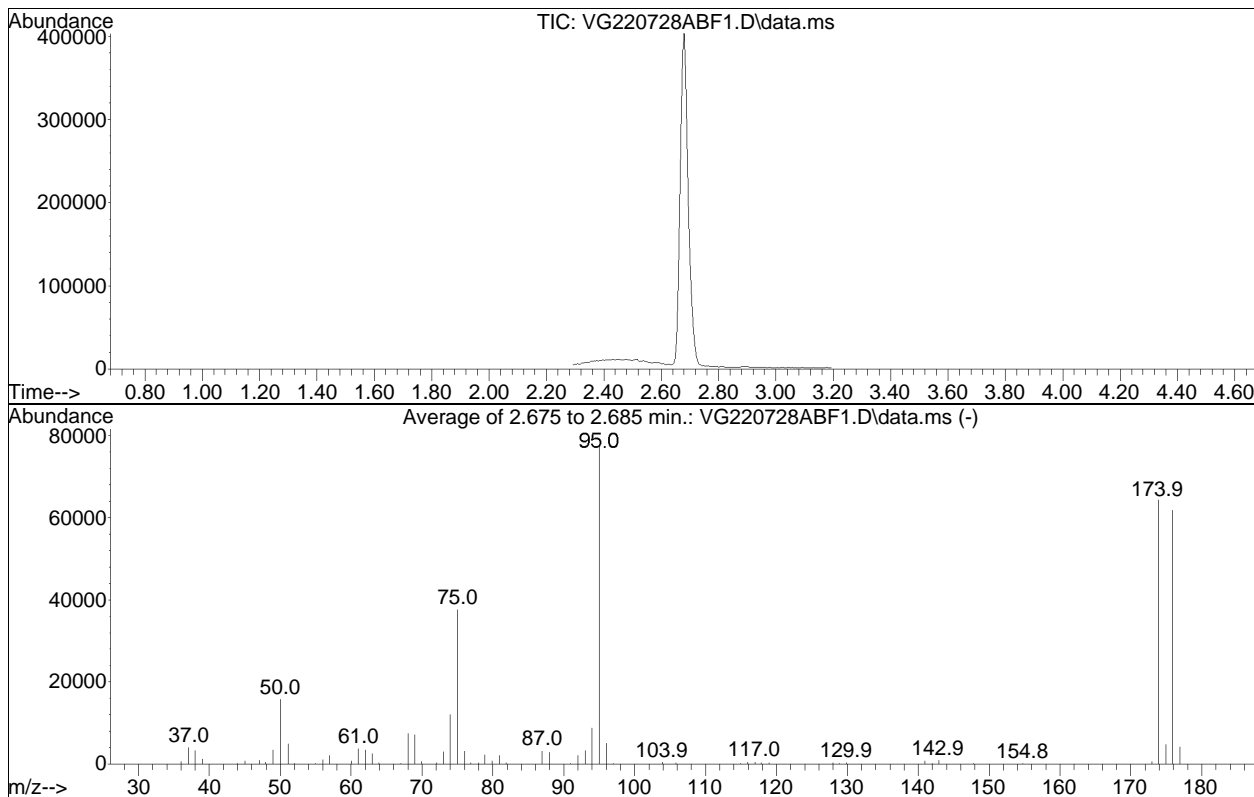
Manual Peak Response = 1939483 M1

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

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728ABF1.D
 Acq On : 28 Jul 2022 6:00 am
 Operator : GONZO:PD
 Sample : WG1668541-2
 Misc : WG1668541
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022



AutoFind: Scans 74, 75, 76; Background Corrected with Scan 65

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 20.3 | 15770 | PASS |
| 75 | 95 | 30 | 60 | 48.4 | 37672 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 77816 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 5159 | PASS |
| 173 | 174 | 0.00 | 2 | 0.9 | 610 | PASS |
| 174 | 95 | 50 | 100 | 82.6 | 64293 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 4746 | PASS |
| 176 | 174 | 95 | 101 | 96.1 | 61781 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 4122 | PASS |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 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 | 97 | 0.00 |
| 2 TP | Dichlorodifluoromethane | 0.100 | 0.104 | -4.0 | 95 | 0.00 |
| 3 TP | Chloromethane | 0.148 | 0.153 | -3.4 | 98 | 0.00 |
| 4 TC | Vinyl chloride | 0.130 | 0.143 | -10.0 | 100 | 0.00 |
| 5 TP | Bromomethane | 0.071 | 0.090 | -26.8# | 138 | 0.00 |
| 6 TP | Chloroethane | * 10.000 | 8.832 | 11.7 | 79 | 0.00 |
| 7 TP | Trichlorofluoromethane | 0.198 | 0.195 | 1.5 | 95 | 0.00 |
| 8 TP | Ethyl ether | 0.074 | 0.093 | -25.7# | 123 | 0.00 |
| 10 TC | 1,1-Dichloroethene | 0.125 | 0.117 | 6.4 | 86 | 0.00 |
| 11 TP | Carbon disulfide | 0.314 | 0.345 | -9.9 | 103 | 0.00 |
| 12 TP | Freon-113 | 0.126 | 0.137 | -8.7 | 99 | 0.00 |
| 13 TP | Iodomethane | 0.197 | 0.131 | 33.5# | 67 | 0.00 |
| 14 TP | Acrolein | 0.023 | 0.018 | 21.7# | 77 | 0.00 |
| 15 TP | Methylene chloride | 0.157 | 0.139 | 11.5 | 91 | 0.00 |
| 17 TP | Acetone | 0.050 | 0.050 | 0.0 | 110 | 0.00 |
| 18 TP | trans-1,2-Dichloroethene | 0.140 | 0.133 | 5.0 | 88 | 0.00 |
| 19 TP | Methyl acetate | 0.118 | 0.111 | 5.9 | 97 | 0.00 |
| 20 TP | Methyl tert-butyl ether | 0.428 | 0.473 | -10.5 | 109 | 0.00 |
| 21 TP | tert-Butyl alcohol | 0.019 | 0.021 | -10.5 | 111 | 0.00 |
| 22 TP | Diisopropyl ether | 0.533 | 0.579 | -8.6 | 103 | 0.00 |
| 23 TP | 1,1-Dichloroethane | 0.282 | 0.282# | 0.0 | 93 | 0.00 |
| 24 TP | Halothane | 0.119 | 0.121 | -1.7 | 97 | 0.00 |
| 25 TP | Acrylonitrile | 0.061 | 0.060 | 1.6 | 99 | 0.00 |
| 26 TP | Ethyl tert-butyl ether | 0.516 | 0.558 | -8.1 | 105 | 0.00 |
| 27 TP | Vinyl acetate | 0.345 | 0.162 | 53.0# | 50# | 0.00 |
| 28 TP | cis-1,2-Dichloroethene | 0.164 | 0.152# | 7.3 | 88 | 0.00 |
| 29 TP | 2,2-Dichloropropane | 0.236 | 0.151 | 36.0# | 58 | 0.00 |
| 30 TP | Bromochloromethane | 0.077 | 0.071# | 7.8 | 88 | 0.00 |
| 31 TP | Cyclohexane | 0.284 | 0.272 | 4.2 | 89 | 0.00 |
| 32 TC | Chloroform | 0.277 | 0.275 | 0.7 | 94 | 0.00 |
| 33 TP | Ethyl acetate | 0.173 | 0.165 | 4.6 | 99 | 0.00 |
| 34 TP | Carbon tetrachloride | 0.214 | 0.206 | 3.7 | 89 | 0.00 |
| 35 TP | Tetrahydrofuran | 0.055 | 0.057 | -3.6 | 101 | 0.00 |
| 36 S | Dibromofluoromethane | 0.259 | 0.257 | 0.8 | 97 | 0.00 |
| 37 TP | 1,1,1-Trichloroethane | 0.245 | 0.258 | -5.3 | 98 | 0.00 |
| 39 TP | 2-Butanone | 0.092 | 0.065 | 29.3# | 67 | 0.00 |
| 40 TP | 1,1-Dichloropropene | 0.208 | 0.194 | 6.7 | 86 | 0.00 |
| 41 TP | Benzene | 0.600 | 0.584 | 2.7 | 89 | 0.00 |
| 42 TP | tert-Amyl methyl ether | 0.455 | 0.484 | -6.4 | 104 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|---------------------------|---------|----------|-------|-------|----------|
| 43 S | 1,2-Dichloroethane-d4 | 0.323 | 0.332 | -2.8 | 97 | 0.00 |
| 44 TP | 1,2-Dichloroethane | 0.223 | 0.217 | 2.7 | 94 | 0.00 |
| 47 TP | Methyl cyclohexane | 0.271 | 0.255 | 5.9 | 85 | 0.00 |
| 48 TP | Trichloroethene | 0.165 | 0.186# | -12.7 | 103 | 0.00 |
| 50 TP | Dibromomethane | 0.095 | 0.094 | 1.1 | 96 | 0.00 |
| 51 TC | 1,2-Dichloropropane | 0.174 | 0.166 | 4.6 | 92 | 0.00 |
| 53 TP | 2-Chloroethyl vinyl ether | 0.110 | 0.094 | 14.5 | 83 | 0.00 |
| 54 TP | Bromodichloromethane | 0.190 | 0.185# | 2.6 | 93 | 0.00 |
| 57 TP | 1,4-Dioxane | 0.00202 | 0.00219# | -8.4 | 107 | 0.00 |
| 58 TP | cis-1,3-Dichloropropene | 0.260 | 0.236# | 9.2 | 87 | 0.00 |
| 59 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 60 S | Toluene-d8 | 1.279 | 1.273 | 0.5 | 97 | 0.00 |
| 61 TC | Toluene | 0.501 | 0.487 | 2.8 | 91 | 0.00 |
| 62 TP | 4-Methyl-2-pentanone | 0.081 | 0.071 | 12.3 | 87 | 0.00 |
| 63 TP | Tetrachloroethene | 0.220 | 0.205 | 6.8 | 87 | 0.00 |
| 65 TP | trans-1,3-Dichloropropene | 0.306 | 0.280# | 8.5 | 90 | 0.00 |
| 67 TP | Ethyl methacrylate | 0.279 | 0.284 | -1.8 | 100 | 0.00 |
| 68 TP | 1,1,2-Trichloroethane | 0.145 | 0.143# | 1.4 | 97 | 0.00 |
| 69 TP | Chlorodibromomethane | 0.207 | 0.200 | 3.4 | 98 | 0.00 |
| 70 TP | 1,3-Dichloropropane | 0.302 | 0.291 | 3.6 | 94 | 0.00 |
| 71 TP | 1,2-Dibromoethane | 0.179 | 0.174# | 2.8 | 96 | 0.00 |
| 72 TP | 2-Hexanone | 0.178 | 0.148 | 16.9 | 82 | 0.00 |
| 73 TP | Chlorobenzene | 0.542 | 0.550 | -1.5 | 96 | 0.00 |
| 74 TC | Ethylbenzene | 0.987 | 0.965 | 2.2 | 92 | 0.00 |
| 75 TP | 1,1,1,2-Tetrachloroethane | 0.202 | 0.195 | 3.5 | 94 | 0.00 |
| 76 TP | p/m Xylene | 0.379 | 0.374 | 1.3 | 92 | 0.00 |
| 77 TP | o Xylene | 0.366 | 0.389 | -6.3 | 98 | 0.00 |
| 78 TP | Styrene | 0.607 | 0.652 | -7.4 | 101 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 80 TP | Bromoform | 0.246 | 0.244 | 0.8 | 98 | 0.00 |
| 82 TP | Isopropylbenzene | 1.701 | 1.723 | -1.3 | 91 | 0.00 |
| 83 S | 4-Bromofluorobenzene | 0.918 | 0.929 | -1.2 | 97 | 0.00 |
| 84 TP | Bromobenzene | 0.427 | 0.430 | -0.7 | 95 | 0.00 |
| 85 TP | n-Propylbenzene | 2.019 | 2.026 | -0.3 | 90 | 0.00 |
| 86 TP | 1,4-Dichlorobutane | 0.650 | 0.724 | -11.4 | 110 | 0.00 |
| 87 TP | 1,1,2,2-Tetrachloroethane | 0.398 | 0.338 | 15.1 | 84 | 0.00 |
| 88 TP | 4-Ethyltoluene | 1.672 | 1.916 | -14.6 | 103 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 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 | 1.204 | 1.232 | -2.3 | 94 | 0.00 |
| 90 TP | 1,3,5-Trimethylbenzene | 1.436 | 1.437 | -0.1 | 92 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.352 | 0.352 | 0.0 | 100 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.152 | 0.142 | 6.6 | 93 | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.238 | 1.234 | 0.3 | 92 | 0.00 |
| 94 TP | tert-Butylbenzene | 1.218 | 1.241 | -1.9 | 92 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 1.395 | 1.396 | -0.1 | 92 | 0.00 |
| 98 TP | sec-Butylbenzene | 1.801 | 1.807 | -0.3 | 89 | 0.00 |
| 99 TP | p-Isopropyltoluene | 1.528 | 1.485 | 2.8 | 87 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 0.795 | 0.798 | -0.4 | 93 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 0.806 | 0.824 | -2.2 | 98 | 0.00 |
| 102 TP | p-Diethylbenzene | 0.869 | 0.912 | -4.9 | 93 | 0.00 |
| 103 TP | n-Butylbenzene | 1.260 | 1.252 | 0.6 | 88 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 0.764 | 0.771 | -0.9 | 95 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 1.206 | 1.285 | -6.6 | 99 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.077 | 0.074 | 3.9 | 94 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 0.525 | 0.537 | -2.3 | 95 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.210 | 0.195 | 7.1 | 84 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.460 | 0.439 | 4.6 | 91 | 0.00 |
| 110 TP | Naphthalene | 1.070 | 1.019 | 4.8 | 95 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.393 | 0.384# | 2.3 | 92 | 0.00 |

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 551363 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 566501 | | | Recovery = | 97.33% | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 437347 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 451160 | | | Recovery = | 96.94% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.426 | 152 | 246009 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 254365 | | | Recovery = | 96.71% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 141791 | 9.939 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.39% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 182880 | 10.284 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.84% | | | |
| 60) Toluene-d8 | 7.915 | 98 | 556595 | 9.954 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.54% | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 228554 | 10.116 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.16% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 57590 | 10.423 | ug/L | | 98 |
| 3) Chloromethane | 1.946 | 50 | 84168 | 10.335 | ug/L | | 97 |
| 4) Vinyl chloride | 2.006 | 62 | 78586 | 10.985 | ug/L | | 97 |
| 5) Bromomethane | 2.333 | 94 | 49419 | 12.554 | ug/L | | 98 |
| 6) Chloroethane | 2.432 | 64 | 23788 | 8.832 | ug/L | | 99 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 107275 | 9.829 | ug/L | | 98 |
| 8) Ethyl ether | 2.903 | 74 | 51216 | 12.556 | ug/L | | 85 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 64576 | 9.362 | ug/L | | 84 |
| 11) Carbon disulfide | 3.138 | 76 | 190485 | 10.996 | ug/L | | 100 |
| 12) Freon-113 | 3.138 | 101 | 75407 | 10.856 | ug/L | | 90 |
| 13) Iodomethane | 3.252 | 142 | 72425 | 6.659 | ug/L | | 98 |
| 14) Acrolein | 3.442 | 56 | 9955 | 7.883 | ug/L | | 89 |
| 15) Methylene chloride | 3.678 | 84 | 76851 | 8.855 | ug/L | | 85 |
| 17) Acetone | 3.723 | 43 | 27841 | 10.161 | ug/L | | 99 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 73381 | 9.492 | ug/L | | 87 |
| 19) Methyl acetate | 3.837 | 43 | 61098 | 9.370 | ug/L | # | 92 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 260925 | 11.066 | ug/L | | 92 |
| 21) tert-Butyl alcohol | 4.020 | 59 | 57316 | 55.625 | ug/L | | 90 |
| 22) Diisopropyl ether | 4.286 | 45 | 319112 | 10.863 | ug/L | | 95 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 155607 | 10.020 | ug/L | | 98 |
| 24) Halothane | 4.476 | 117 | 66518 | 10.179 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.483 | 53 | 32925 | 9.786 | ug/L | 94 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 307838 | 10.824 | ug/L # | 78 |
| 27) Vinyl acetate | 4.658 | 43 | 89246 | 4.690 | ug/L # | 94 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 83738 | 9.274 | ug/L | 91 |
| 29) 2,2-Dichloropropane | 5.053 | 77 | 83056 | 6.382 | ug/L | 96 |
| 30) Bromochloromethane | 5.152 | 128 | 39374 | 9.324 | ug/L # | 85 |
| 31) Cyclohexane | 5.136 | 56 | 149774 | 9.576 | ug/L | 82 |
| 32) Chloroform | 5.220 | 83 | 151694 | 9.937 | ug/L | 96 |
| 33) Ethyl acetate | 5.326 | 43 | 90771 | 9.536 | ug/L | 96 |
| 34) Carbon tetrachloride | 5.349 | 117 | 113828 | 9.650 | ug/L | 96 |
| 35) Tetrahydrofuran | 5.372 | 42 | 31478M6 | 10.311 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 142024 | 10.504 | ug/L | 96 |
| 39) 2-Butanone | 5.516 | 43 | 35719 | 7.014 | ug/L # | 77 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 107171 | 9.356 | ug/L | 98 |
| 41) Benzene | 5.790 | 78 | 321988 | 9.728 | ug/L | 95 |
| 42) tert-Amyl methyl ether | 5.889 | 73 | 266861 | 10.636 | ug/L | 98 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 119482 | 9.736 | ug/L | 97 |
| 47) Methyl cyclohexane | 6.375 | 83 | 140605 | 9.422 | ug/L # | 80 |
| 48) Trichloroethene | 6.390 | 95 | 102543 | 11.276 | ug/L | 98 |
| 50) Dibromomethane | 6.846 | 93 | 51737 | 9.882 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.945 | 63 | 91422 | 9.552 | ug/L | 99 |
| 53) 2-Chloroethyl vinyl ether | 7.636 | 63 | 51997 | 8.550 | ug/L | 96 |
| 54) Bromodichloromethane | 7.020 | 83 | 101899 | 9.703 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.227 | 88 | 60371 | 541.617 | ug/L # | 83 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 130233 | 9.080 | ug/L # | 89 |
| 61) Toluene | 7.972 | 92 | 213198 | 9.721 | ug/L | 100 |
| 62) 4-Methyl-2-pentanone | 8.409 | 58 | 30981 | 8.694 | ug/L | 91 |
| 63) Tetrachloroethene | 8.424 | 166 | 89624 | 9.331 | ug/L | 98 |
| 65) trans-1,3-Dichloropropene | 8.467 | 75 | 122268 | 9.141 | ug/L | 98 |
| 67) Ethyl methacrylate | 8.646 | 69 | 124353 | 10.173 | ug/L | 89 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 62584 | 9.864 | ug/L | 99 |
| 69) Chlorodibromomethane | 8.868 | 129 | 87630 | 9.698 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 127461 | 9.640 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 76056 | 9.714 | ug/L | 98 |
| 72) 2-Hexanone | 9.427 | 43 | 64526 | 8.278 | ug/L | 97 |
| 73) Chlorobenzene | 9.793 | 112 | 240626 | 10.144 | ug/L | 95 |
| 74) Ethylbenzene | 9.826 | 91 | 422032 | 9.779 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 9.876 | 131 | 85091 | 9.627 | ug/L | 99 |
| 76) p/m Xylene | 10.015 | 106 | 326861 | 19.744 | ug/L | 96 |
| 77) o Xylene | 10.542 | 106 | 340483 | 21.283 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\220727NICAL\VG220727N09.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 10.608 | 104 | 569981 | 21.454 | ug/L | 94 |
| 80) Bromoform | 10.641 | 173 | 59957 | 9.926 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 423783 | 10.127 | ug/L | 98 |
| 84) Bromobenzene | 11.348 | 156 | 105817 | 10.085 | ug/L | 99 |
| 85) n-Propylbenzene | 11.381 | 91 | 498378 | 10.035 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.406 | 55 | 178154 | 11.138 | ug/L | 100 |
| 87) 1,1,2,2-Tetrachloroethane | 11.480 | 83 | 83116 | 8.488 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 471329 | 11.458 | ug/L | 98 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 303064M1 | 10.229 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 353417 | 10.004 | ug/L | 97 |
| 91) 1,2,3-Trichloropropane | 11.620 | 75 | 86546M4 | 9.998 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 34961 | 9.327 | ug/L # | 94 |
| 93) 4-Chlorotoluene | 11.735 | 91 | 303541 | 9.964 | ug/L | 97 |
| 94) tert-Butylbenzene | 11.940 | 119 | 305272 | 10.192 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 343464 | 10.009 | ug/L | 98 |
| 98) sec-Butylbenzene | 12.121 | 105 | 444639 | 10.036 | ug/L | 98 |
| 99) p-Isopropyltoluene | 12.278 | 119 | 365302 | 9.720 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 196289 | 10.037 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 202777 | 10.222 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.648 | 119 | 224370 | 10.492 | ug/L | 98 |
| 103) n-Butylbenzene | 12.705 | 91 | 307944 | 9.933 | ug/L | 100 |
| 104) 1,2-Dichlorobenzene | 12.862 | 146 | 189632 | 10.088 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 13.438 | 119 | 316027 | 10.656 | ug/L | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 13.643 | 155 | 18274 | 9.607 | ug/L | 99 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 132047 | 10.225 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.236 | 225 | 47881 | 9.282 | ug/L | 100 |
| 109) 1,2,4-Trichlorobenzene | 14.268 | 180 | 107954 | 9.541 | ug/L | 99 |
| 110) Naphthalene | 14.556 | 128 | 250628 | 9.518 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.721 | 180 | 94490 | 9.775 | ug/L | 97 |

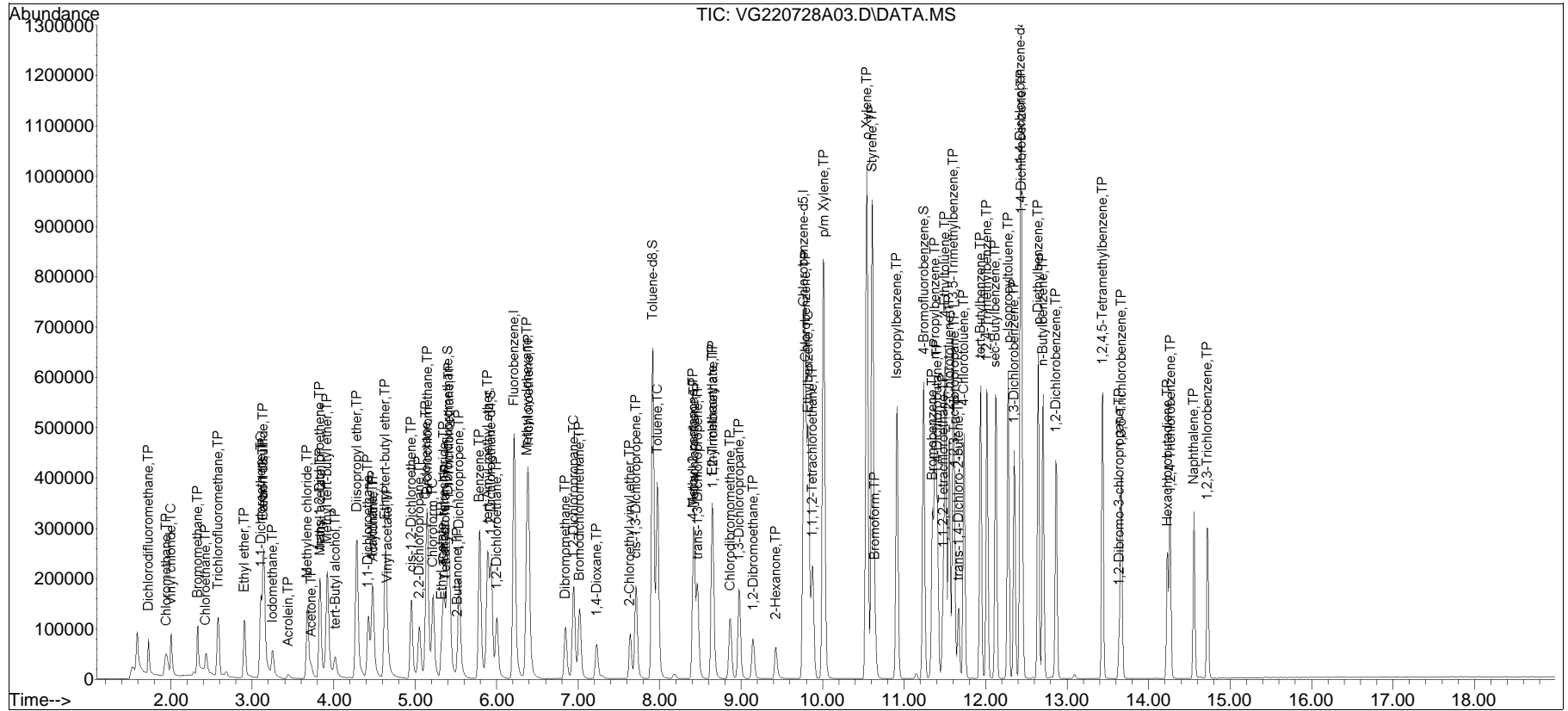
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\220727NICAL\
 Data File : VG220728A03.D
 Acq On : 28 Jul 2022 7:03 am
 Operator : GONZO:PD
 Sample : C8260STD10PPB
 Misc : WG1668541,ICAL
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 10:20:30 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\220727NICAL\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

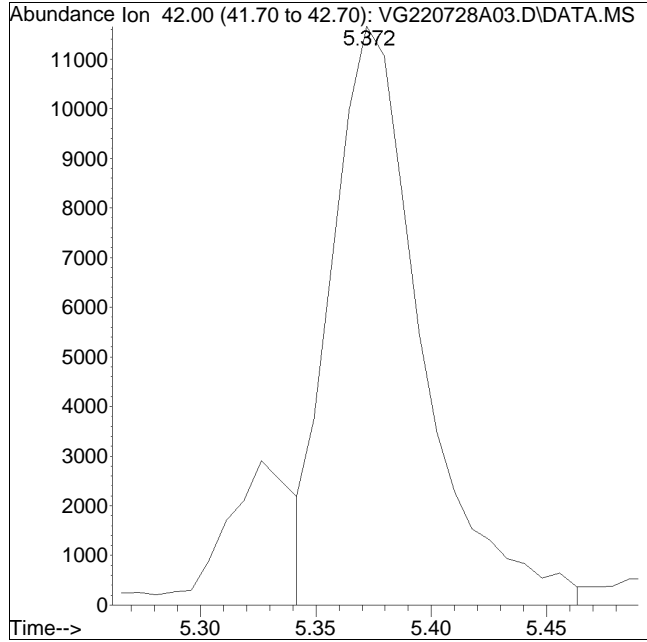
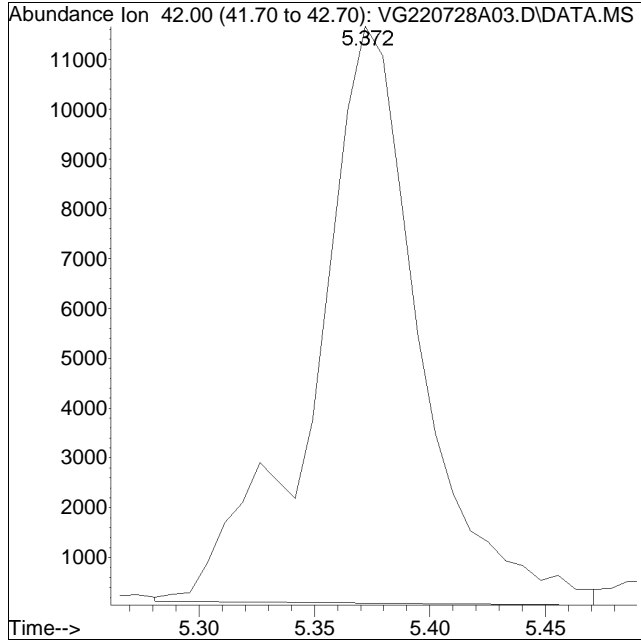
Sub List : 8260-Curve - Megamix plus Diox0727NICAL\VG220727N09.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220728A03.D Operator : GONZO:PD
Date Inj'd : 7/28/2022 7:03 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/28/2022 10:19 am

Compound #35: Tetrahydrofuran



Original Peak Response = 36528

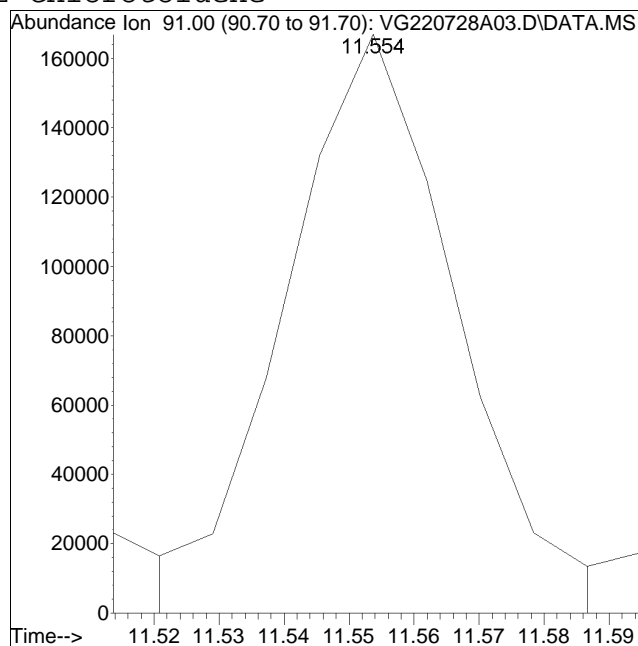
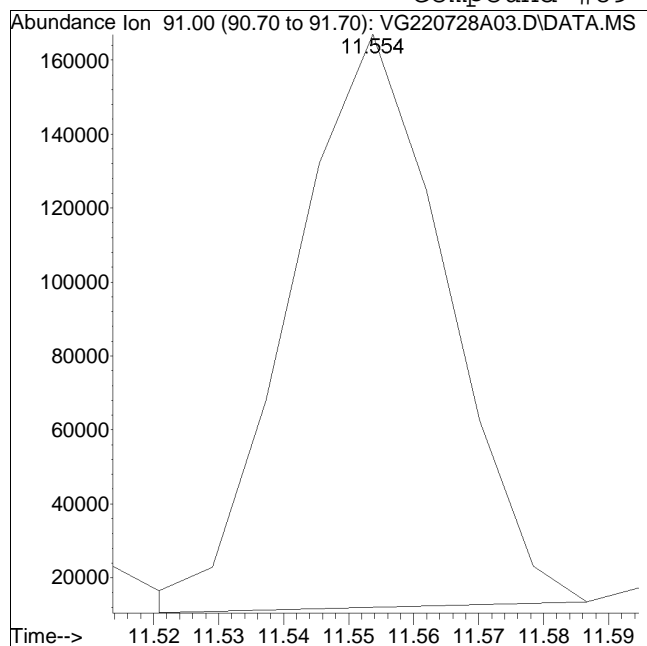
Manual Peak Response = 31478 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220728A03.D Operator : GONZO:PD
Date Inj'd : 7/28/2022 7:03 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/28/2022 10:19 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 255516

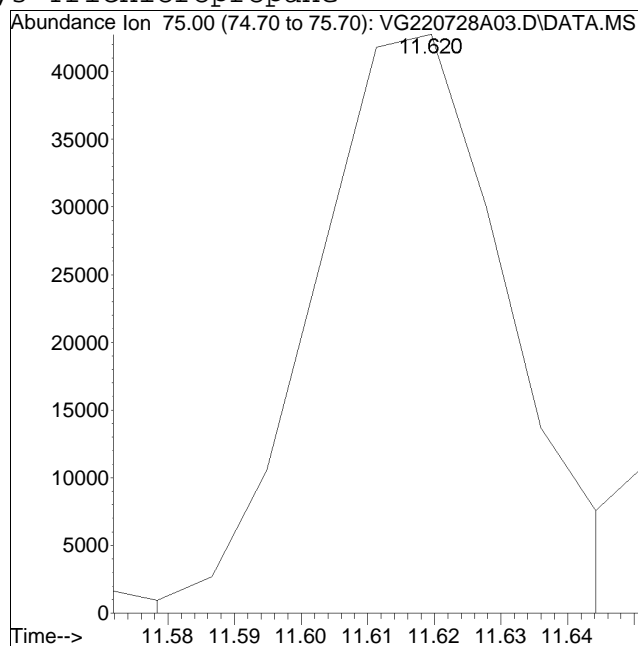
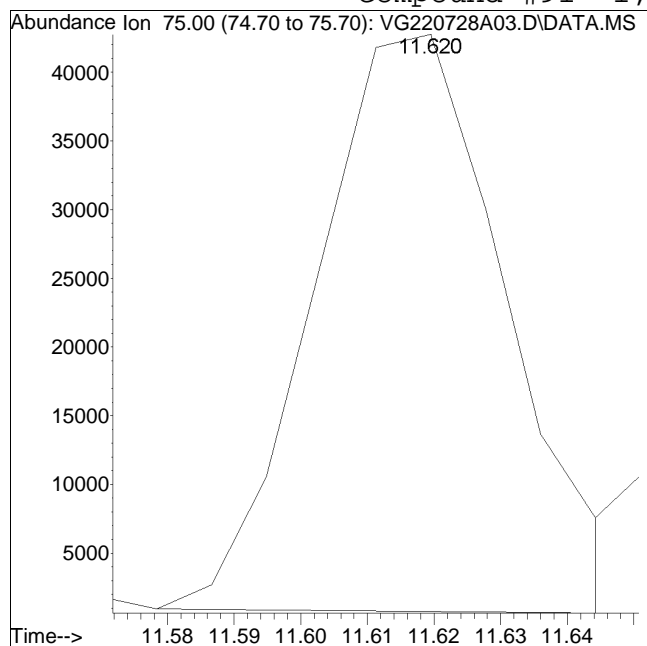
Manual Peak Response = 303064 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG220728A03.D Operator : GONZO:PD
Date Inj'd : 7/28/2022 7:03 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/28/2022 10:19 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 83412

Manual Peak Response = 86546 M4

M4 = Poor automated baseline construction.

Correlation Data Summary

Method Path: I:\VOLATILES\Gonzo\2022\220727NICAL\
Method File: G_220727N_8260.m
Method Title: VOLATILES BY GC/MS
Last Update: Thu Jul 28 10:17:40 2022
CSV generated: Thu Jul 28 10:27:47 2022

| Analyte | Curve fit Type | Coefficient of Determination | Quadratic Term | Linear Term | Constant Term |
|--------------|----------------|---------------------------------|-------------------|----------------|------------------|
| Chloroethane | Quadratic | 0.997795 | -0.001367 | 0.048557 | 0.001328 |

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|------|
| -----ISTD----- | | | | | | | | | | |
| 1) I Fluorobenzene | | | | | | | | | | |
| 2) TP Dichlorodifluo... | 0.157 | 0.227 | 0.227 | 0.187 | 0.212 | 0.205 | 0.210 | 0.204 | 12.20 | |
| 3) TP Chloromethane | 0.209 | 0.248 | 0.252 | 0.224 | 0.237 | 0.235 | 0.238 | 0.235 | 6.12 | |
| 4) TC Vinyl chloride | 0.217 | 0.210 | 0.258 | 0.255 | 0.218 | 0.238 | 0.231 | 0.236 | 0.233 | 7.45 |
| 5) TP Bromomethane | 0.177 | 0.183 | 0.167 | 0.143 | 0.148 | 0.149 | 0.155 | 0.160 | 9.61 | |
| 6) TP Chloroethane | 0.135 | 0.147 | 0.155 | 0.140 | 0.149 | 0.148 | 0.150 | 0.146 | 4.50 | |
| 7) TP Trichlorofluor... | 0.345 | 0.369 | 0.390 | 0.328 | 0.365 | 0.353 | 0.358 | 0.358 | 5.47 | |
| 8) TP Ethyl ether | 0.068 | 0.082 | 0.088 | 0.086 | 0.090 | 0.089 | 0.089 | 0.084 | 9.28 | |
| 10) TC 1,1-Dichloroet... | 0.171 | 0.204 | 0.207 | 0.176 | 0.192 | 0.190 | 0.192 | 0.190 | 6.89 | |
| 11) TP Carbon disulfide | 0.434 | 0.505 | 0.503 | 0.447 | 0.476 | 0.468 | 0.474 | 0.472 | 5.57 | |
| 12) TP Freon-113 | 0.177 | 0.220 | 0.237 | 0.195 | 0.221 | 0.212 | 0.218 | 0.211 | 9.22 | |
| 13) TP Iodomethane | 0.162 | 0.185 | 0.212 | 0.220 | 0.238 | 0.235 | 0.235 | 0.212 | 13.64 | |
| 14) TP Acrolein | | 0.019 | 0.021 | 0.020 | 0.021 | 0.022 | 0.022 | 0.021 | 5.72 | |
| 15) TP Methylene chlo... | 0.218 | 0.237 | 0.217 | 0.203 | 0.207 | 0.205 | 0.208 | 0.213 | 5.63 | |
| 17) TP Acetone | | 0.045 | 0.032 | 0.030 | 0.031 | 0.030 | 0.030 | 0.033 | 17.88 | |
| 18) TP trans-1,2-Dich... | 0.183 | 0.224 | 0.222 | 0.196 | 0.205 | 0.203 | 0.208 | 0.206 | 6.99 | |
| 19) TP Methyl acetate | | 0.083 | 0.086 | 0.081 | 0.088 | 0.086 | 0.089 | 0.086 | 3.42 | |
| 20) TP Methyl tert-bu... | 0.322 | 0.372 | 0.395 | 0.404 | 0.436 | 0.433 | 0.446 | 0.401 | 10.89 | |
| 21) TP tert-Butyl alc... | | 0.005 | 0.006 | 0.006 | 0.007 | 0.007 | 0.007 | 0.006# | 17.17 | |
| 22) TP Diisopropyl ether | 0.620 | 0.656 | 0.686 | 0.693 | 0.743 | 0.740 | 0.750 | 0.698 | 7.05 | |
| 23) TP 1,1-Dichloroet... | 0.392 | 0.439 | 0.436 | 0.395 | 0.406 | 0.403 | 0.409 | 0.412 | 4.51 | |
| 24) TP Halothane | 0.133 | 0.160 | 0.170 | 0.154 | 0.166 | 0.162 | 0.166 | 0.159 | 7.79 | |
| 25) TP Acrylonitrile | | 0.042 | 0.043 | 0.043 | 0.045 | 0.043 | 0.045 | 0.043 | 2.38 | |
| 26) TP Ethyl tert-but... | 0.426 | 0.486 | 0.524 | 0.552 | 0.614 | 0.627 | 0.649 | 0.554 | 14.72 | |
| 27) TP Vinyl acetate | | 0.285 | 0.324 | 0.351 | 0.404 | 0.413 | 0.430 | 0.368 | 15.53 | |
| 28) TP cis-1,2-Dichlo... | 0.243 | 0.252 | 0.243 | 0.223 | 0.232 | 0.230 | 0.234 | 0.237 | 4.22 | |
| 29) TP 2,2-Dichloropr... | 0.199 | 0.246 | 0.263 | 0.258 | 0.303 | 0.307 | 0.323 | 0.271 | 15.79 | |
| 30) TP Bromochloromet... | 0.102 | 0.110 | 0.105 | 0.100 | 0.103 | 0.101 | 0.100 | 0.103 | 3.25 | |
| 31) TP Cyclohexane | 0.339 | 0.409 | 0.444 | 0.383 | 0.428 | 0.419 | 0.435 | 0.408 | 8.89 | |
| 32) TC Chloroform | 0.386 | 0.423 | 0.425 | 0.390 | 0.399 | 0.398 | 0.403 | 0.404 | 3.77 | |
| 33) TP Ethyl acetate | | 0.105 | 0.109 | 0.116 | 0.126 | 0.124 | 0.127 | 0.118 | 7.92 | |

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 34) TP Carbon tetrach... | 0.227 | 0.216 | 0.281 | 0.313 | 0.284 | 0.324 | 0.318 | 0.330 | 0.287 | 15.28 |
| 35) TP Tetrahydrofuran | | 0.034 | 0.033 | 0.031 | 0.031 | 0.031 | 0.032 | 0.032 | | 4.49 |
| 36) S Dibromofluorom... | 0.277 | 0.278 | 0.271 | 0.262 | 0.256 | 0.256 | 0.257 | 0.256 | 0.264 | 3.68 |
| 37) TP 1,1,1-Trichlor... | | 0.280 | 0.310 | 0.367 | 0.326 | 0.355 | 0.350 | 0.359 | 0.335 | 9.45 |
| 39) TP 2-Butanone | | 0.051 | 0.047 | 0.048 | 0.052 | 0.051 | 0.053 | 0.050 | | 5.08 |
| 40) TP 1,1-Dichloropr... | | 0.229 | 0.276 | 0.311 | 0.277 | 0.302 | 0.297 | 0.304 | 0.285 | 9.95 |
| 41) TP Benzene | 0.880 | 0.749 | 0.859 | 0.896 | 0.823 | 0.863 | 0.853 | 0.859 | 0.848 | 5.32 |
| 42) TP tert-Amyl meth... | | 0.350 | 0.376 | 0.415 | 0.443 | 0.500 | 0.505 | 0.524 | 0.445 | 15.23 |
| 43) S 1,2-Dichloroet... | 0.290 | 0.290 | 0.287 | 0.289 | 0.289 | 0.293 | 0.292 | 0.290 | 0.290 | 0.68 |
| 44) TP 1,2-Dichloroet... | | 0.290 | 0.302 | 0.298 | 0.290 | 0.300 | 0.298 | 0.300 | 0.297 | 1.66 |
| 47) TP Methyl cyclohe... | | 0.301 | 0.372 | 0.409 | 0.363 | 0.416 | 0.405 | 0.415 | 0.383 | 10.89 |
| 48) TP Trichloroethene | 0.206 | 0.178 | 0.222 | 0.243 | 0.219 | 0.232 | 0.230 | 0.235 | 0.221 | 9.27 |
| 50) TP Dibromomethane | | 0.111 | 0.120 | 0.118 | 0.114 | 0.121 | 0.118 | 0.121 | 0.118 | 3.38 |
| 51) TC 1,2-Dichloropr... | | 0.191 | 0.221 | 0.230 | 0.223 | 0.233 | 0.232 | 0.236 | 0.224 | 6.98 |
| 53) TP 2-Chloroethyl ... | | 0.087 | 0.095 | 0.106 | 0.108 | 0.118 | 0.118 | 0.120 | 0.108 | 11.83 |
| 54) TP Bromodichlorom... | | 0.281 | 0.299 | 0.303 | 0.297 | 0.312 | 0.310 | 0.315 | 0.303 | 3.91 |
| 57) TP 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 7.21 |
| 58) TP cis-1,3-Dichlo... | 0.206 | 0.240 | 0.263 | 0.306 | 0.320 | 0.352 | 0.356 | 0.364 | 0.301 | 19.55 |
| 59) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 60) S Toluene-d8 | 1.290 | 1.293 | 1.286 | 1.312 | 1.299 | 1.312 | 1.302 | 1.297 | 1.299 | 0.73 |
| 61) TC Toluene | | 0.657 | 0.735 | 0.768 | 0.708 | 0.745 | 0.729 | 0.741 | 0.726 | 4.89 |
| 62) TP 4-Methyl-2-pen... | | 0.058 | 0.056 | 0.062 | 0.063 | 0.071 | 0.069 | 0.071 | 0.064 | 9.34 |
| 63) TP Tetrachloroethene | | 0.262 | 0.309 | 0.333 | 0.294 | 0.322 | 0.314 | 0.320 | 0.308 | 7.63 |
| 65) TP trans-1,3-Dich... | 0.193 | 0.217 | 0.238 | 0.311 | 0.347 | 0.399 | | | *Q | 0.9995 |
| 67) TP Ethyl methacry... | | 0.197 | 0.198 | 0.224 | 0.244 | 0.276 | 0.270 | 0.280 | 0.241 | 14.85 |
| 68) TP 1,1,2-Trichlor... | | 0.160 | 0.165 | 0.178 | 0.179 | 0.187 | 0.182 | 0.185 | 0.177# | 5.81 |
| 69) TP Chlorodibromom... | | 0.219 | 0.228 | 0.255 | 0.265 | 0.286 | 0.280 | 0.290 | 0.261 | 10.77 |
| 70) TP 1,3-Dichloropr... | | 0.330 | 0.349 | 0.379 | 0.377 | 0.395 | 0.385 | 0.393 | 0.373 | 6.52 |
| 71) TP 1,2-Dibromoethane | | 0.166 | 0.178 | 0.202 | 0.205 | 0.217 | 0.212 | 0.216 | 0.199# | 9.91 |
| 72) TP 2-Hexanone | | 0.130 | 0.103 | 0.103 | 0.105 | 0.117 | 0.113 | 0.116 | 0.112 | 8.65 |
| 73) TP Chlorobenzene | | 0.781 | 0.827 | 0.832 | 0.778 | 0.808 | 0.790 | 0.795 | 0.802 | 2.70 |

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 74) TC Ethylbenzene | 1.496 | 1.312 | 1.431 | 1.518 | 1.376 | 1.439 | 1.382 | 1.357 | 1.414 | 4.96 |
| 75) TP 1,1,1,2-Tetrac... | 0.218 | 0.223 | 0.265 | 0.274 | 0.303 | 0.296 | 0.297 | 0.268 | | 13.08 |
| 76) TP p/m Xylene | 0.527 | 0.458 | 0.538 | 0.573 | 0.525 | 0.544 | 0.522 | 0.520 | 0.526 | 6.17 |
| 77) TP o Xylene | 0.484 | 0.516 | 0.551 | 0.509 | 0.527 | 0.506 | 0.500 | 0.513 | | 4.14 |
| 78) TP Styrene | 0.762 | 0.773 | 0.866 | 0.903 | 0.859 | 0.865 | 0.822 | 0.780 | 0.829 | 6.29 |
| 79) I 1,4-Dichlorobenzene-d4 | -----ISTD----- | | | | | | | | | |
| 80) TP Bromoform | 0.258 | 0.244 | 0.273 | 0.298 | 0.323 | 0.323 | 0.329 | 0.293 | | 11.78 |
| 82) TP Isopropylbenzene | 2.393 | 2.765 | 2.911 | 2.657 | 2.730 | 2.649 | 2.625 | 2.676 | | 5.90 |
| 83) S 4-Bromofluorob... | 0.953 | 0.951 | 0.959 | 0.952 | 0.946 | 0.936 | 0.937 | 0.951 | 0.948 | 0.84 |
| 84) TP Bromobenzene | 0.719 | 0.687 | 0.662 | 0.645 | 0.645 | 0.638 | 0.654 | 0.664 | | 4.35 |
| 85) TP n-Propylbenzene | 2.898 | 3.338 | 3.546 | 3.258 | 3.314 | 3.177 | 3.063 | 3.228 | | 6.45 |
| 86) TP 1,4-Dichlorobu... | 0.753 | 0.692 | 0.721 | 0.747 | 0.772 | 0.757 | 0.775 | 0.745 | | 3.98 |
| 87) TP 1,1,2,2-Tetrac... | 0.561 | 0.450 | 0.465 | 0.469 | 0.483 | 0.477 | 0.488 | 0.485 | | 7.41 |
| 88) TP 4-Ethyltoluene | 2.381 | 2.667 | 2.814 | 2.668 | 2.713 | 2.637 | 2.599 | 2.640 | | 5.04 |
| 89) TP 2-Chlorotoluene | 2.158 | 2.304 | 2.399 | 2.250 | 2.259 | 2.209 | 2.210 | 2.256 | | 3.47 |
| 90) TP 1,3,5-Trimethy... | 2.087 | 2.296 | 2.424 | 2.306 | 2.322 | 2.277 | 2.267 | 2.283 | | 4.42 |
| 91) TP 1,2,3-Trichlor... | 0.441 | 0.361 | 0.372 | 0.380 | 0.392 | 0.385 | 0.395 | 0.390 | | 6.59 |
| 92) TP trans-1,4-Dich... | 0.109 | 0.124 | 0.125 | 0.137 | 0.149 | 0.150 | 0.157 | 0.136 | | 12.90 |
| 93) TP 4-Chlorotoluene | 2.004 | 2.063 | 2.097 | 2.011 | 2.018 | 1.982 | 1.991 | 2.024 | | 2.05 |
| 94) TP tert-Butylbenzene | 1.786 | 2.033 | 2.120 | 1.955 | 1.987 | 1.950 | 1.957 | 1.970 | | 5.14 |
| 97) TP 1,2,4-Trimethy... | 2.071 | 2.224 | 2.361 | 2.266 | 2.301 | 2.249 | 2.242 | 2.245 | | 3.97 |
| 98) TP sec-Butylbenzene | 2.598 | 3.064 | 3.252 | 2.959 | 3.023 | 2.919 | 2.840 | 2.951 | | 6.87 |
| 99) TP p-Isopropyltol... | 2.268 | 2.508 | 2.745 | 2.526 | 2.608 | 2.536 | 2.487 | 2.525 | | 5.68 |
| 100) TP 1,3-Dichlorobe... | 1.310 | 1.282 | 1.326 | 1.249 | 1.265 | 1.234 | 1.252 | 1.274 | | 2.67 |
| 101) TP 1,4-Dichlorobe... | 1.337 | 1.314 | 1.306 | 1.257 | 1.253 | 1.244 | 1.257 | 1.281 | | 2.87 |
| 102) TP p-Diethylbenzene | 1.339 | 1.535 | 1.600 | 1.511 | 1.581 | 1.554 | 1.587 | 1.530 | | 5.86 |
| 103) TP n-Butylbenzene | 2.011 | 2.353 | 2.558 | 2.359 | 2.435 | 2.364 | 2.339 | 2.345 | | 7.09 |
| 104) TP 1,2-Dichlorobe... | 1.349 | 1.196 | 1.199 | 1.154 | 1.165 | 1.135 | 1.162 | 1.194 | | 6.03 |
| 105) TP 1,2,4,5-Tetram... | 2.173 | 2.250 | 2.380 | 2.339 | 2.429 | 2.402 | 2.390 | 2.338 | | 3.98 |
| 106) TP 1,2-Dibromo-3-... | 0.045 | 0.049 | 0.060 | 0.065 | 0.071 | 0.070 | 0.075 | 0.062 | | 18.50 |
| 107) TP 1,3,5-Trichlor... | 1.015 | 1.036 | 1.046 | 0.995 | 1.007 | 0.995 | 1.025 | 1.017 | | 1.95 |

Response Factor Report VOA130

Method Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Method File : VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V30220819A03.D L1 =V30220819A04.D L2 =V30220819A06.D L3 =V30220819A08.D L4 =V30220819A09.D
 L6 =V30220819A10.D L8 =V30220819A11.D L10 =V30220819A12.D

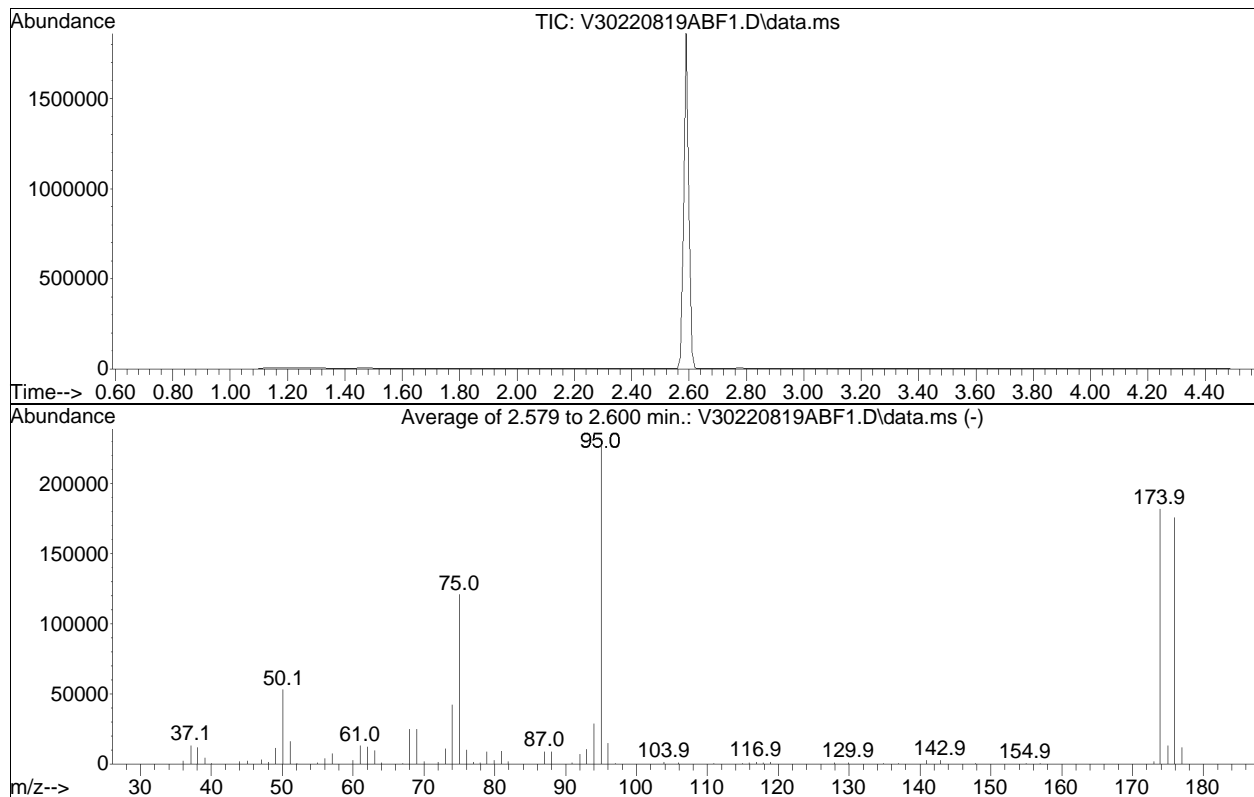
| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 108) TP Hexachlorobuta... | 0.442 | 0.456 | 0.472 | 0.436 | 0.467 | 0.473 | 0.480 | 0.461 | 3.60 | |
| 109) TP 1,2,4-Trichlor... | 0.964 | 0.855 | 0.881 | 0.862 | 0.875 | 0.860 | 0.891 | 0.884 | 4.22 | |
| 110) TP Naphthalene | 1.779 | 1.512 | 1.564 | 1.573 | 1.568 | 1.552 | 1.578 | 1.590 | 5.44 | |
| 111) TP 1,2,3-Trichlor... | 0.837 | 0.753 | 0.789 | 0.766 | 0.775 | 0.773 | 0.795 | 0.784 | 3.48 | |

(#) = Out of Range

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819ABF1.D
 Acq On : 19 Aug 2022 01:23 pm
 Operator : VOA130:PD
 Sample : WG1678209-1
 Misc : WG1678209
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022



AutoFind: Scans 147, 148, 149; Background Corrected with Scan 143

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 23.2 | 52912 | PASS |
| 75 | 95 | 30 | 60 | 53.1 | 120952 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 227947 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 15127 | PASS |
| 173 | 174 | 0.00 | 2 | 0.9 | 1668 | PASS |
| 174 | 95 | 50 | 100 | 79.8 | 181949 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 13265 | PASS |
| 176 | 174 | 95 | 101 | 96.7 | 175867 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 11660 | PASS |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A03.D
 Acq On : 19 Aug 2022 02:16 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.19PPB
 Misc : WG1678209
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 14:44:11 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 14:44:05 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.487 | 96 | 253169 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 267936 | | | Recovery = | 94.49% | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 190278 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 196265 | | | Recovery = | 96.95% | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.988 | 152 | 98085 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 101565 | | | Recovery = | 96.57% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 70060 | 10.479 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 104.79% | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 73331 | 9.990 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.90% | | |
| 60) Toluene-d8 | 7.199 | 98 | 245497 | 9.933 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.33% | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 93477 | 10.052 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.52% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 1044 | 0.177 | ug/L | 82 |
| 34) Carbon tetrachloride | 4.385 | 117 | 1093M1 | 0.151 | ug/L | |
| 41) Benzene | 4.960 | 78 | 4231 | 0.197 | ug/L # | 55 |
| 48) Trichloroethene | 5.682 | 95 | 989 | 0.177 | ug/L # | 79 |
| 58) cis-1,3-Dichloropropene | 7.015 | 75 | 989 | 0.130 | ug/L # | 75 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 697 | 0.234 | ug/L # | 74 |
| 74) Ethylbenzene | 8.554 | 91 | 5408 | 0.201 | ug/L | 98 |
| 76) p/m Xylene | 8.660 | 106 | 3813 | 0.381 | ug/L | 100 |
| 78) Styrene | 8.984 | 104 | 5511 | 0.349 | ug/L | 92 |
| ----- | | | | | | |

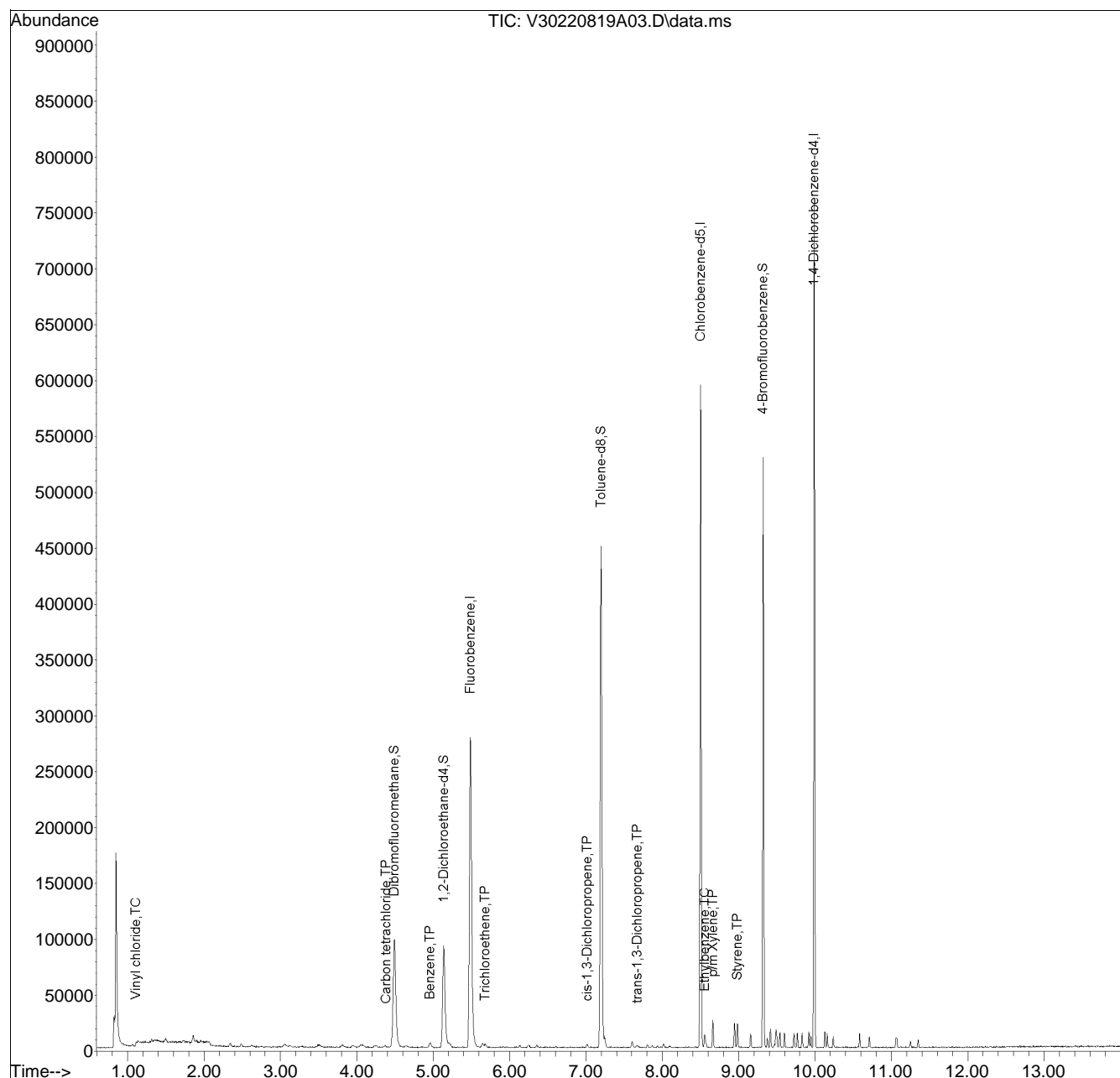
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
Data File : V30220819A03.D
Acq On : 19 Aug 2022 02:16 pm
Operator : VOA130:MKS
Sample : I8260STD0.19PPB
Misc : WG1678209
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 22 14:44:11 2022
Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 14:44:05 2022
Response via : Initial Calibration

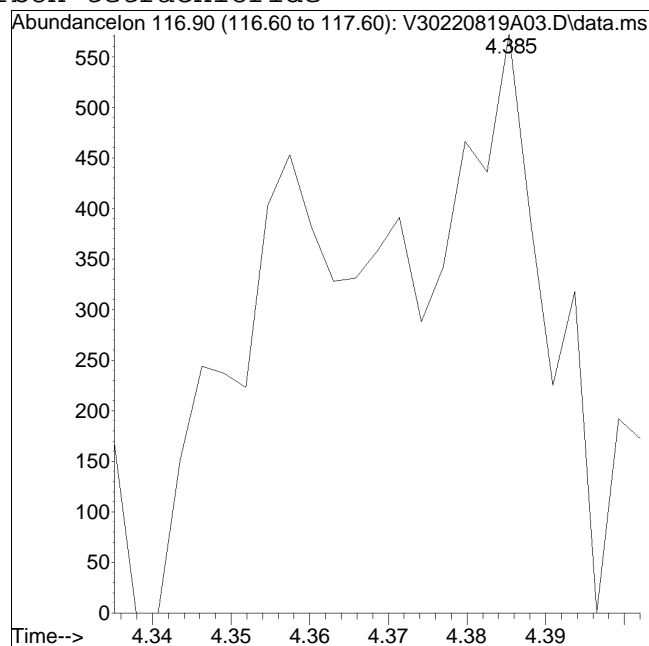
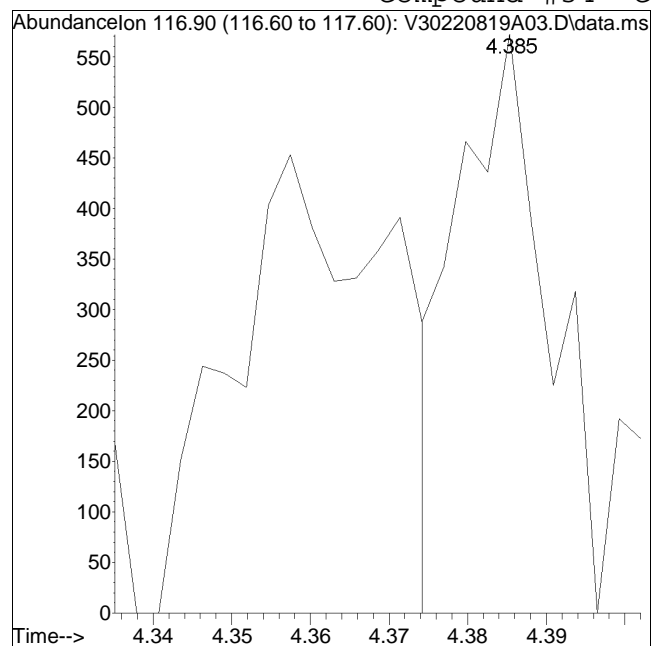
Sub List : 8260-L11 - Level 11 for 8260-LRR product\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A03.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:16 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 8/22/2022 2:44 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 459

Manual Peak Response = 1093 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.490 | 96 | 245935 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = | 91.79% | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 188297 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = | 95.94% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 97681 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = | 96.18% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 68420 | 10.627 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 106.27% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 71344 | 10.051 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.51% | | | |
| 60) Toluene-d8 | 7.196 | 98 | 243409 | 9.856 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.56% | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 92909 | 9.991 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.91% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.939 | 85 | 1926 | 0.345 | ug/L | | 88 |
| 3) Chloromethane | 1.061 | 50 | 2574M1 | 0.416 | ug/L | | |
| 4) Vinyl chloride | 1.109 | 62 | 2588 | 0.413 | ug/L | | 99 |
| 5) Bromomethane | 1.312 | 94 | 2182M1 | 0.531 | ug/L | | |
| 6) Chloroethane | 1.399 | 64 | 1665 | 0.437 | ug/L | | 88 |
| 7) Trichlorofluoromethane | 1.494 | 101 | 4240 | 0.442 | ug/L | | 91 |
| 8) Ethyl ether | 1.731 | 74 | 832 | 0.386 | ug/L # | | 48 |
| 10) 1,1-Dichloroethene | 1.859 | 96 | 2106 | 0.414 | ug/L | | 77 |
| 11) Carbon disulfide | 1.859 | 76 | 5341 | 0.431 | ug/L | | 96 |
| 12) Freon-113 | 1.903 | 101 | 2178 | 0.374 | ug/L # | | 60 |
| 13) Iodomethane | 1.959 | 142 | 1990M1 | 0.381 | ug/L | | |
| 14) Acrolein | 0.000 | | 0 | N.D. | d | | |
| 15) Methylene chloride | 2.344 | 84 | 2677 | 0.502 | ug/L | | 83 |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 2247 | 0.412 | ug/L | | 85 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | | |
| 20) Methyl tert-butyl ether | 2.626 | 73 | 3957M1 | 0.407 | ug/L | | |
| 21) tert-Butyl alcohol | 0.000 | | 0 | N.D. | d | | |
| 22) Diisopropyl ether | 3.058 | 45 | 7621M1 | 0.452 | ug/L | | |
| 23) 1,1-Dichloroethane | 3.119 | 63 | 4820 | 0.450 | ug/L | | 87 |
| 24) Halothane | 3.284 | 117 | 1635M1 | 0.392 | ug/L | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 25) Acrylonitrile | 0.000 | | 0 | N.D. | d | |
| 26) Ethyl tert-butyl ether | 3.493 | 59 | 5242M1 | 0.407 | ug/L | |
| 27) Vinyl acetate | 0.000 | | 0 | N.D. | d | |
| 28) cis-1,2-Dichloroethene | 3.822 | 96 | 2990M1 | 0.500 | ug/L | |
| 29) 2,2-Dichloropropane | 3.959 | 77 | 2451M1 | 0.379 | ug/L | |
| 30) Bromochloromethane | 4.081 | 128 | 1253M1 | 0.487 | ug/L | |
| 31) Cyclohexane | 4.065 | 56 | 4172M1 | 0.382 | ug/L | |
| 32) Chloroform | 4.243 | 83 | 4748 | 0.454 | ug/L # | 90 |
| 33) Ethyl acetate | 0.000 | | 0 | N.D. | d | |
| 34) Carbon tetrachloride | 4.371 | 117 | 2661M1 | 0.346 | ug/L | |
| 35) Tetrahydrofuran | 0.000 | | 0 | N.D. | d | |
| 37) 1,1,1-Trichloroethane | 4.469 | 97 | 3442M1 | 0.382 | ug/L | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | d | |
| 40) 1,1-Dichloropropene | 4.648 | 75 | 2813M1 | 0.367 | ug/L | |
| 41) Benzene | 4.957 | 78 | 9209 | 0.418 | ug/L # | 64 |
| 42) tert-Amyl methyl ether | 5.205 | 73 | 4300 | 0.421 | ug/L # | 58 |
| 44) 1,2-Dichloroethane | 5.219 | 62 | 3567 | 0.487 | ug/L # | 50 |
| 47) Methyl cyclohexane | 5.649 | 83 | 3707M1 | 0.369 | ug/L | |
| 48) Trichloroethene | 5.679 | 95 | 2193M1 | 0.368 | ug/L | |
| 50) Dibromomethane | 6.134 | 93 | 1359 | 0.467 | ug/L | 98 |
| 51) 1,2-Dichloropropane | 6.248 | 63 | 2343 | 0.413 | ug/L # | 84 |
| 53) 2-Chloroethyl vinyl ether | 7.007 | 63 | 1070 | 0.409 | ug/L # | 84 |
| 54) Bromodichloromethane | 6.357 | 83 | 3450 | 0.462 | ug/L # | 94 |
| 57) 1,4-Dioxane | 6.588 | 88 | 1564M1 | 78.819 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.023 | 75 | 2954 | 0.392 | ug/L | 98 |
| 61) Toluene | 7.249 | 92 | 6181 | 0.428 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 548 | 0.468 | ug/L # | 56 |
| 63) Tetrachloroethene | 7.604 | 166 | 2464 | 0.393 | ug/L | 99 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 2039 | 0.348 | ug/L | 85 |
| 67) Ethyl methacrylate | 7.866 | 69 | 1852 | 0.438 | ug/L | 85 |
| 68) 1,1,2-Trichloroethane | 7.807 | 83 | 1505 | 0.450 | ug/L | 92 |
| 69) Chlorodibromomethane | 7.938 | 129 | 2066 | 0.430 | ug/L | 91 |
| 70) 1,3-Dichloropropane | 8.016 | 76 | 3104 | 0.435 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.094 | 107 | 1567 | 0.412 | ug/L | 92 |
| 72) 2-Hexanone | 8.343 | 43 | 1224 | 0.629 | ug/L # | 81 |
| 73) Chlorobenzene | 8.515 | 112 | 7351 | 0.469 | ug/L # | 82 |
| 74) Ethylbenzene | 8.554 | 91 | 12350 | 0.432 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.574 | 131 | 2049 | 0.410 | ug/L # | 64 |
| 76) p/m Xylene | 8.663 | 106 | 8627 | 0.799 | ug/L | 94 |
| 77) o Xylene | 8.945 | 106 | 9118 | 0.879 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 8.984 | 104 | 14557 | 0.857 | ug/L | 92 |
| 80) Bromoform | 8.984 | 173 | 1262 | 0.473 | ug/L | 86 |
| 82) Isopropylbenzene | 9.154 | 105 | 11687 | 0.411 | ug/L | 99 |
| 84) Bromobenzene | 9.372 | 156 | 3510 | 0.543 | ug/L | 94 |
| 85) n-Propylbenzene | 9.413 | 91 | 14152 | 0.409 | ug/L | 99 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 3678 | 0.522 | ug/L | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 2741 | 0.604 | ug/L | 95 |
| 88) 4-Ethyltoluene | 9.486 | 105 | 11627 | 0.423 | ug/L | 95 |
| 89) 2-Chlorotoluene | 9.494 | 91 | 10540 | 0.450 | ug/L | 96 |
| 90) 1,3,5-Trimethylbenzene | 9.539 | 105 | 10192 | 0.430 | ug/L | 96 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 2156 | 0.594 | ug/L | 97 |
| 92) trans-1,4-Dichloro-2-b... | 9.567 | 53 | 530 | 0.435 | ug/L | 99 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 9790 | 0.478 | ug/L | 98 |
| 94) tert-Butylbenzene | 9.726 | 119 | 8721 | 0.421 | ug/L | 91 |
| 97) 1,2,4-Trimethylbenzene | 9.768 | 105 | 10117 | 0.439 | ug/L | 95 |
| 98) sec-Butylbenzene | 9.832 | 105 | 12688 | 0.399 | ug/L | 99 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 11076 | 0.413 | ug/L | 97 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 6399 | 0.494 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 9.996 | 146 | 6528 | 0.512 | ug/L # | 79 |
| 102) p-Diethylbenzene | 10.127 | 119 | 6539 | 0.418 | ug/L | 95 |
| 103) n-Butylbenzene | 10.158 | 91 | 9821 | 0.393 | ug/L | 100 |
| 104) 1,2-Dichlorobenzene | 10.236 | 146 | 6591 | 0.563 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 10.582 | 119 | 10615 | 0.457 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 220 | 0.377 | ug/L # | 28 |
| 107) 1,3,5-Trichlorobenzene | 10.707 | 180 | 4957 | 0.485 | ug/L | 97 |
| 108) Hexachlorobutadiene | 11.056 | 225 | 2161 | 0.468 | ug/L | 98 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 4706 | 0.547 | ug/L | 94 |
| 110) Naphthalene | 11.248 | 128 | 8689 | 0.569 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.352 | 180 | 4090 | 0.531 | ug/L | 92 |

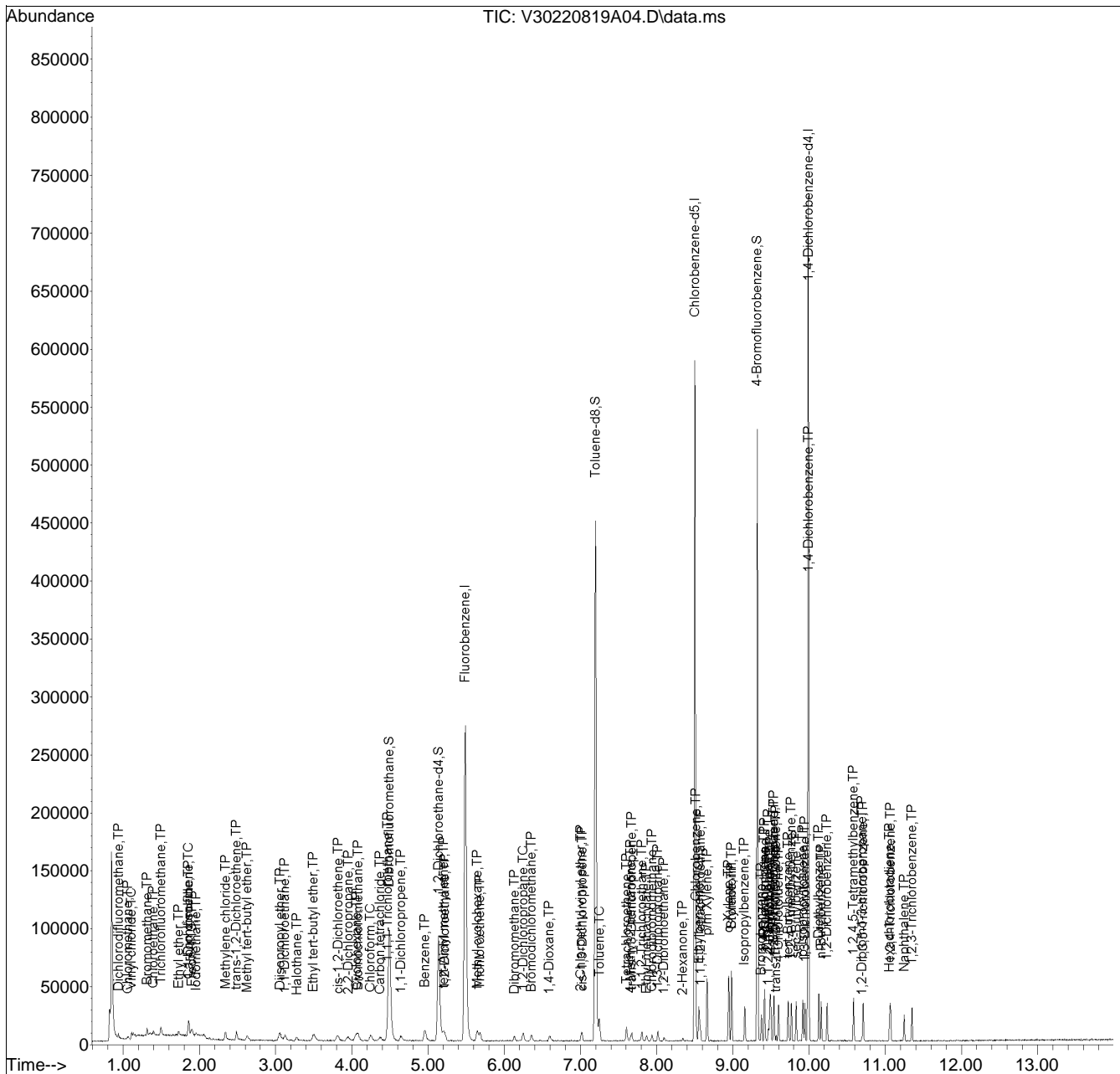
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A04.D
 Acq On : 19 Aug 2022 02:35 pm
 Operator : VOA130:MKS
 Sample : I8260STD0.5PPB
 Misc : WG1678209
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 13:27:32 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

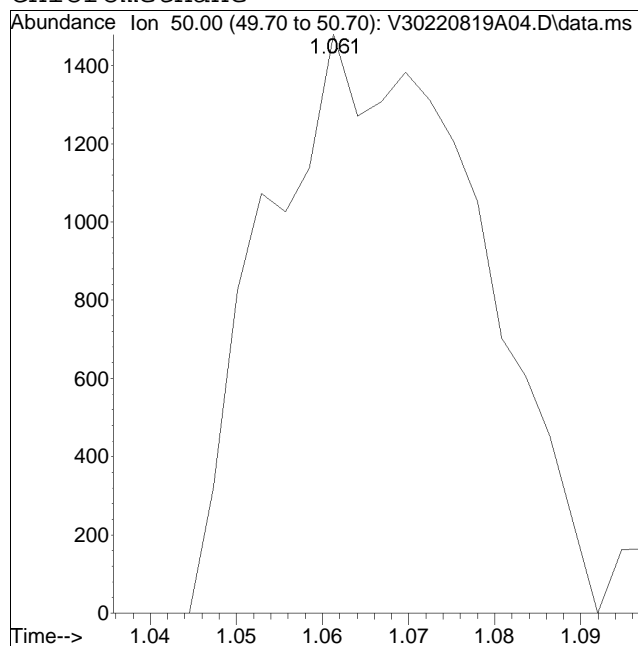
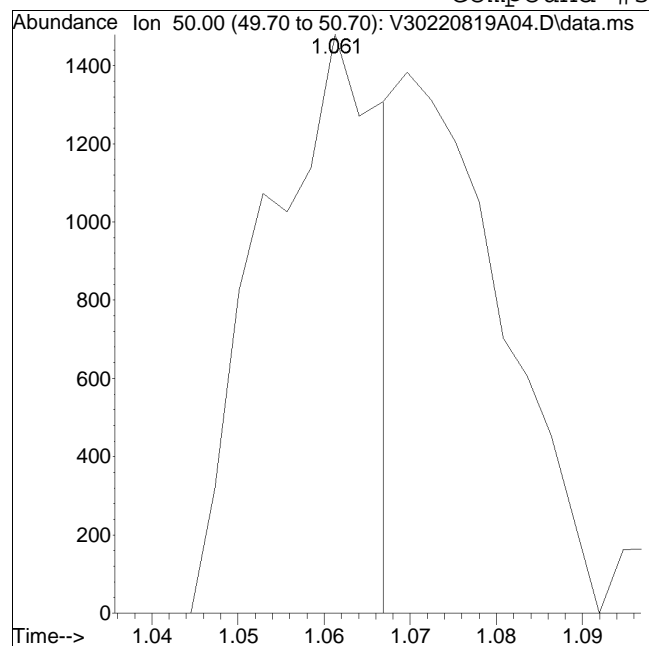
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #3: Chloromethane



Original Peak Response = 1413

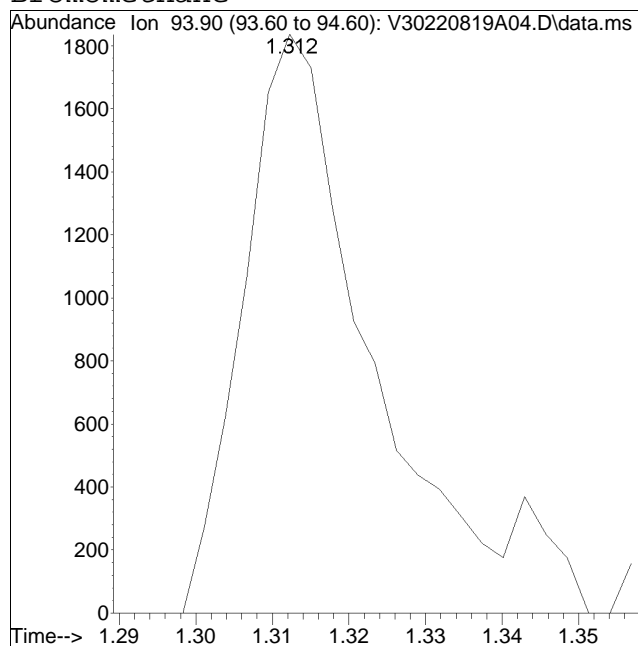
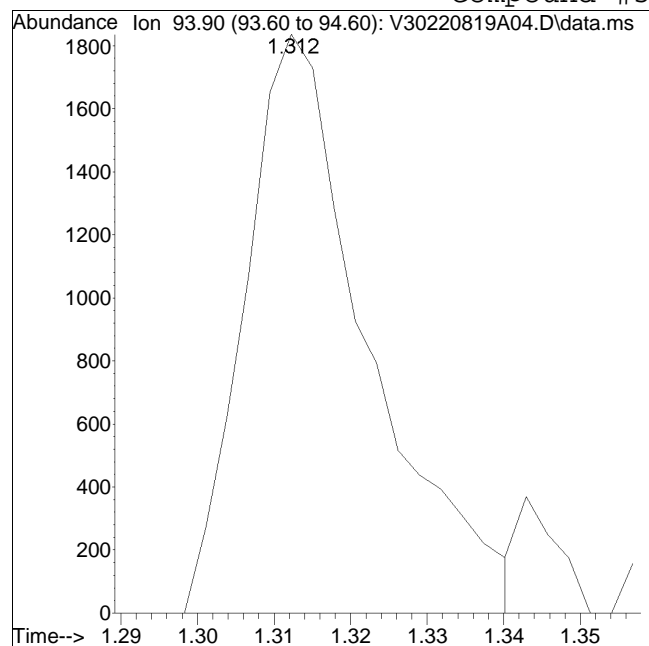
Manual Peak Response = 2574 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #5: Bromomethane



Original Peak Response = 2049

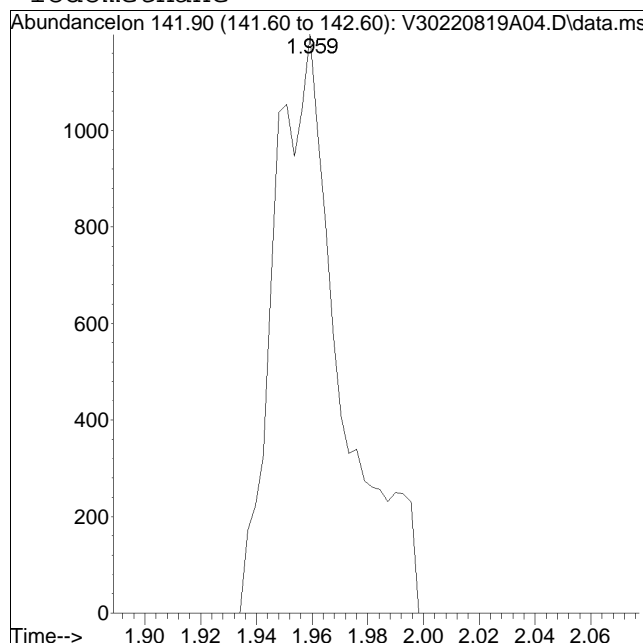
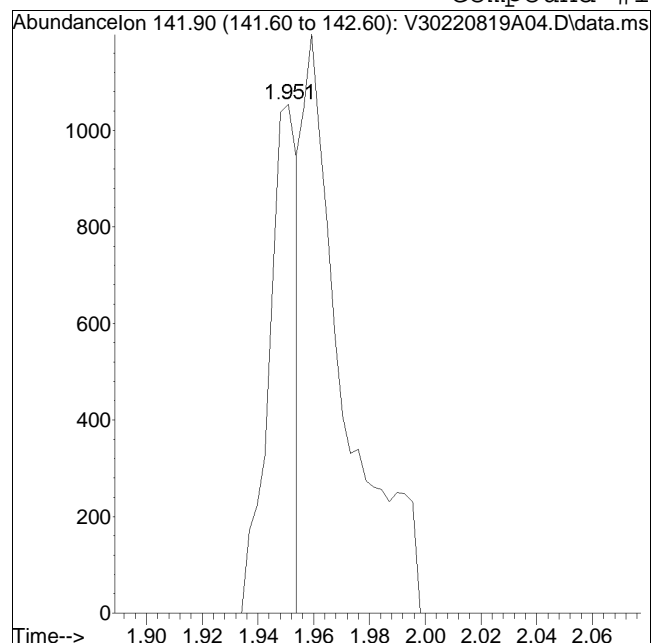
Manual Peak Response = 2182 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #13: Iodomethane



Original Peak Response = 744

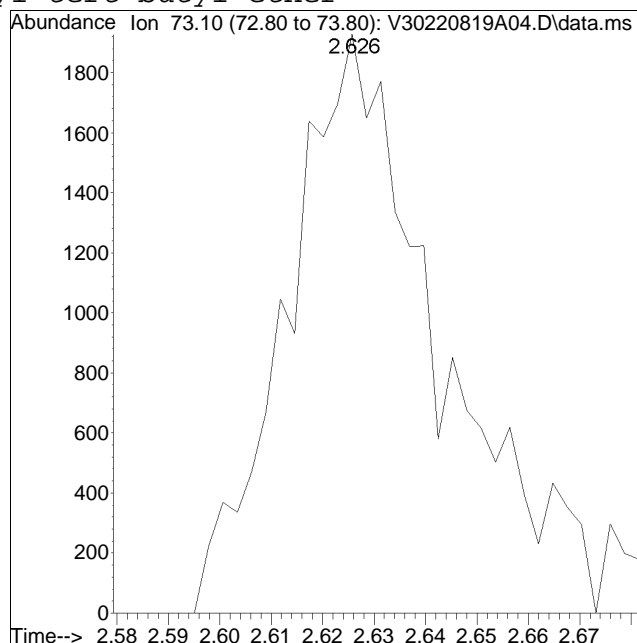
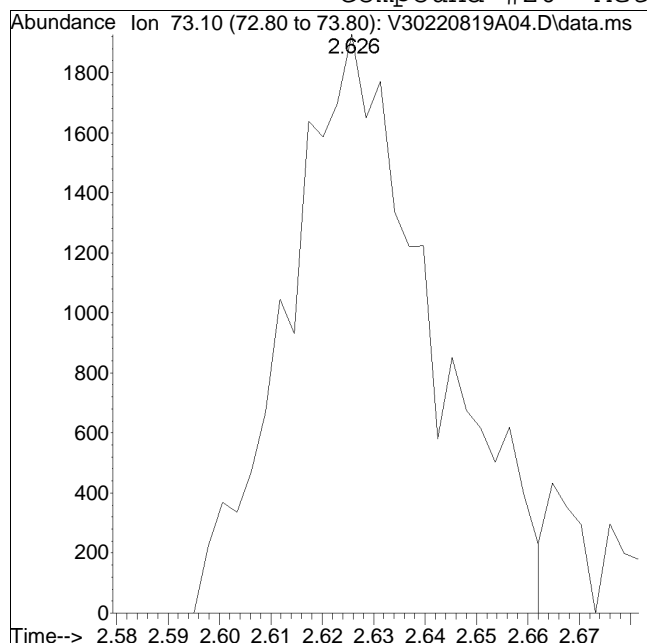
Manual Peak Response = 1990 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 3776

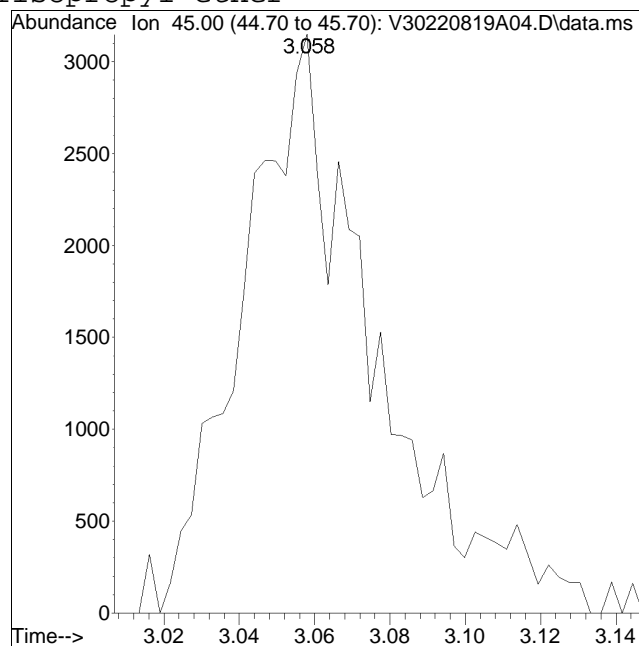
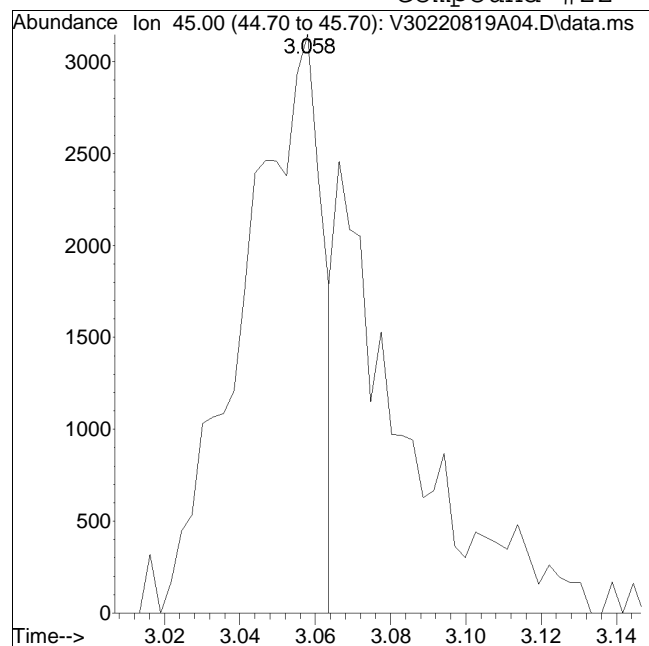
Manual Peak Response = 3957 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #22: Diisopropyl ether



Original Peak Response = 4557

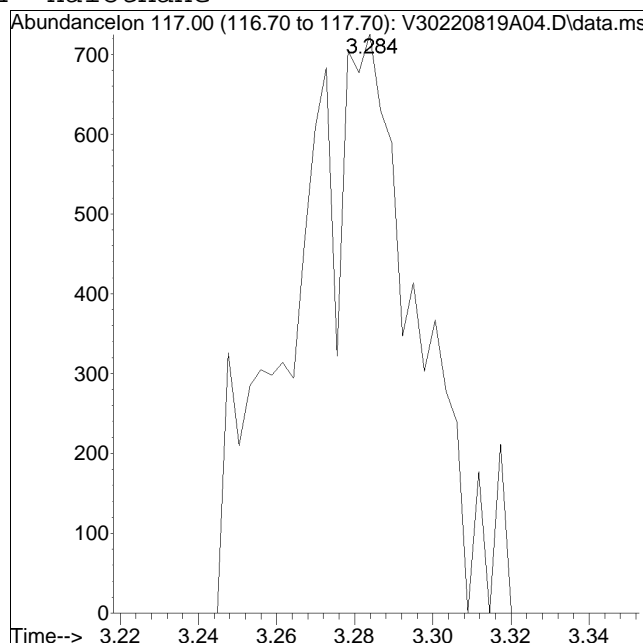
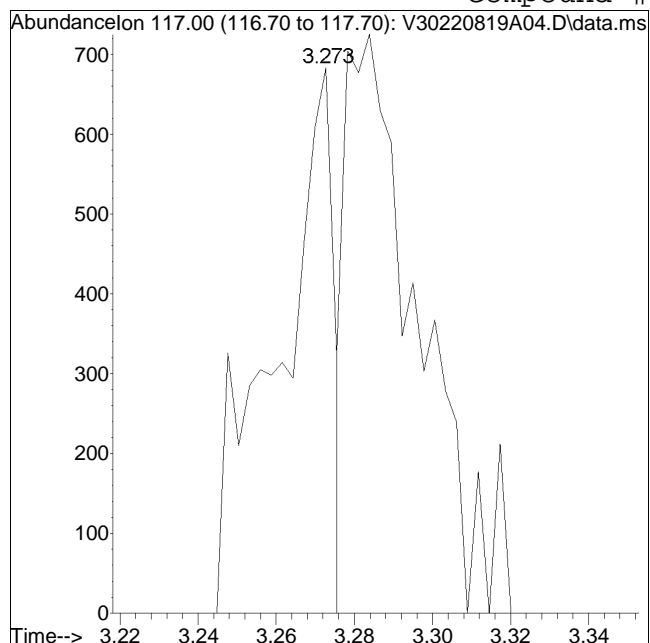
Manual Peak Response = 7621 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #24: Halothane



Original Peak Response = 688

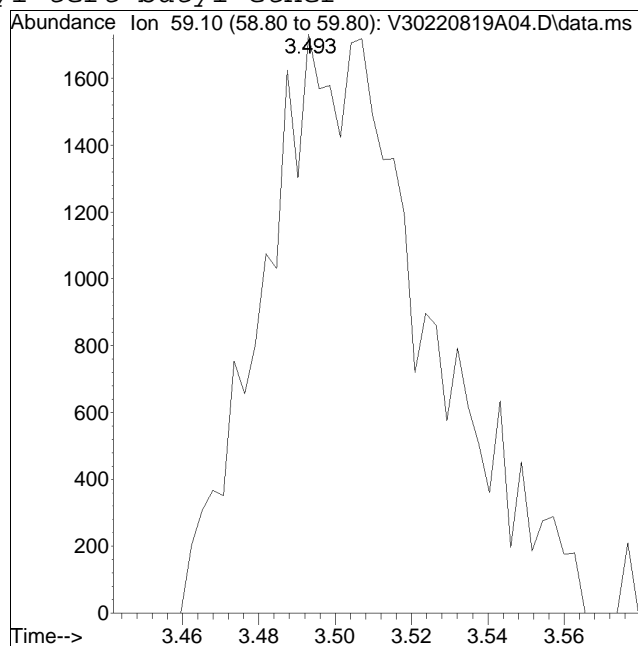
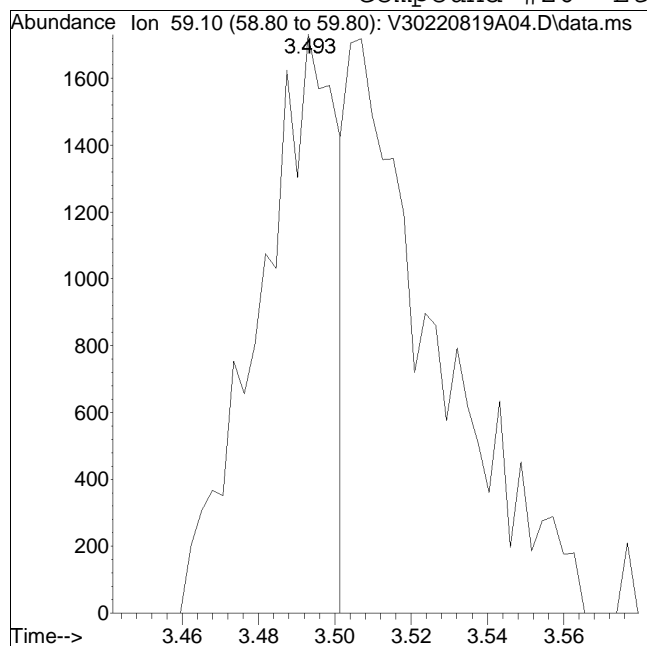
Manual Peak Response = 1635 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 2473

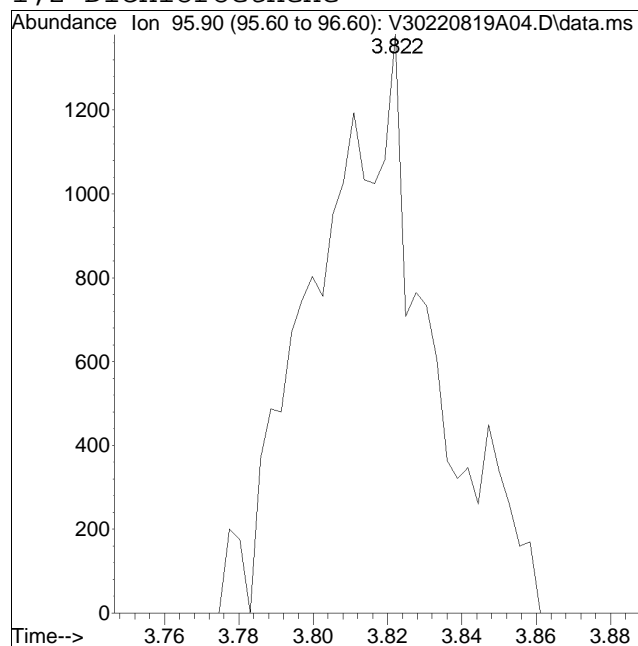
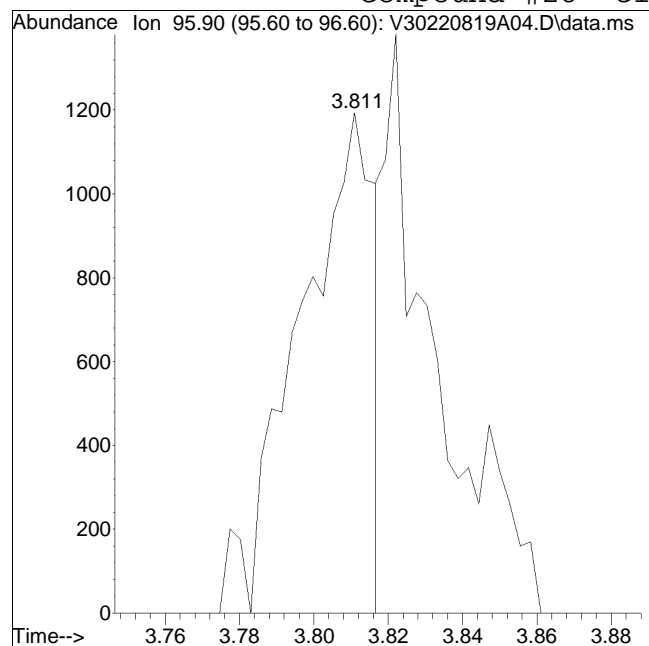
Manual Peak Response = 5242 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 1660

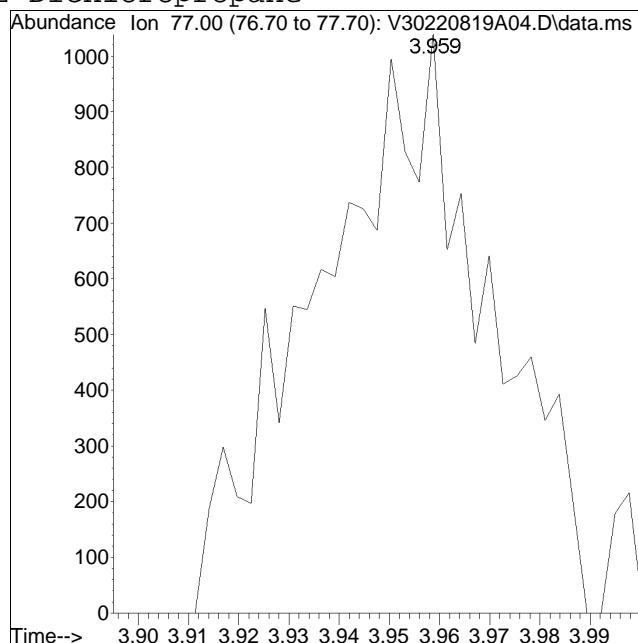
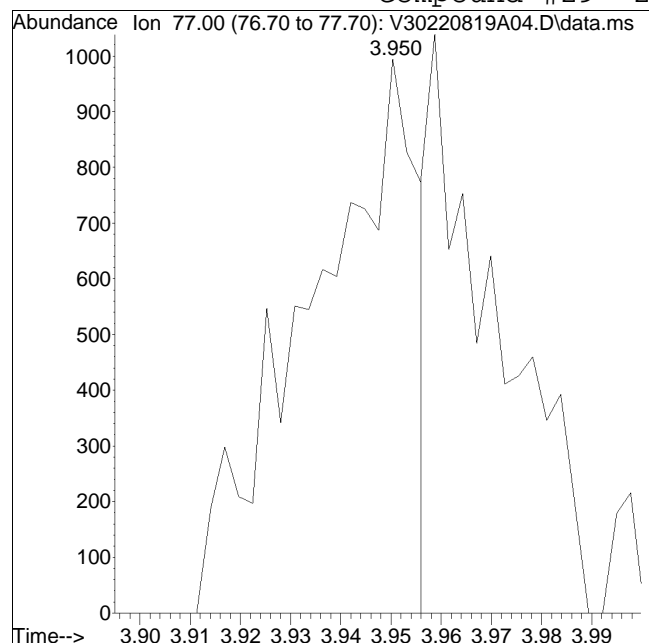
Manual Peak Response = 2990 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 1480

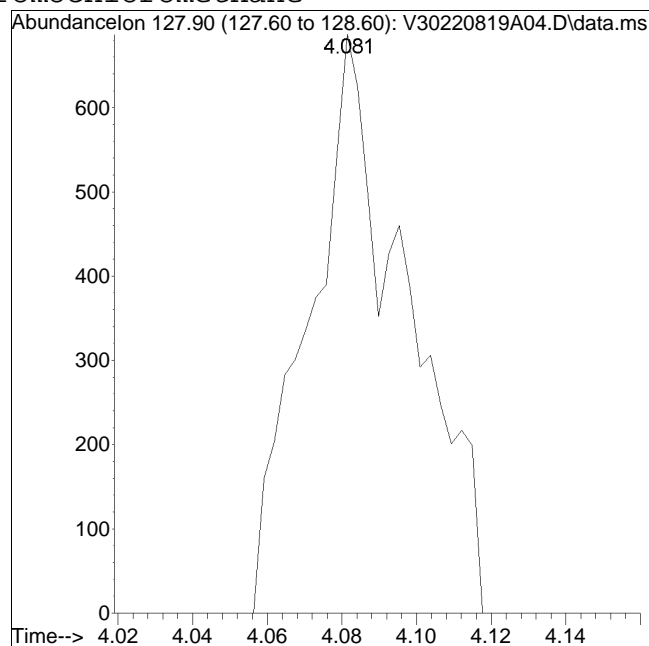
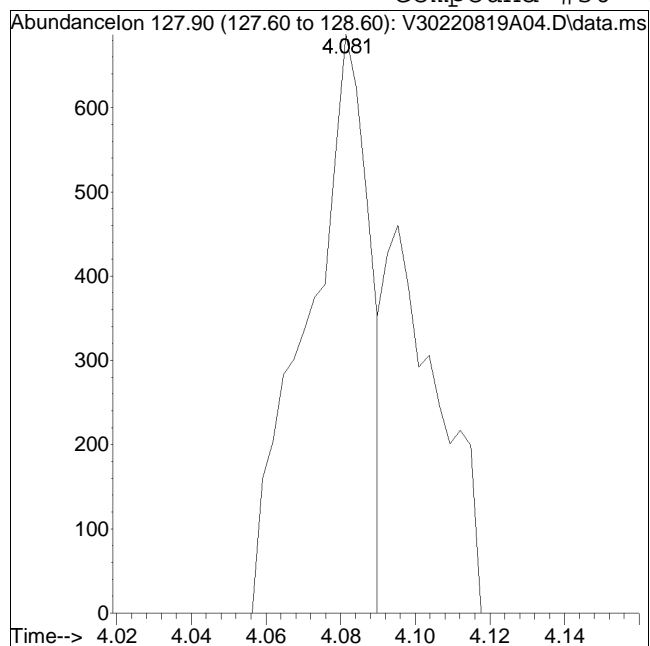
Manual Peak Response = 2451 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #30: Bromochloromethane



Original Peak Response = 795

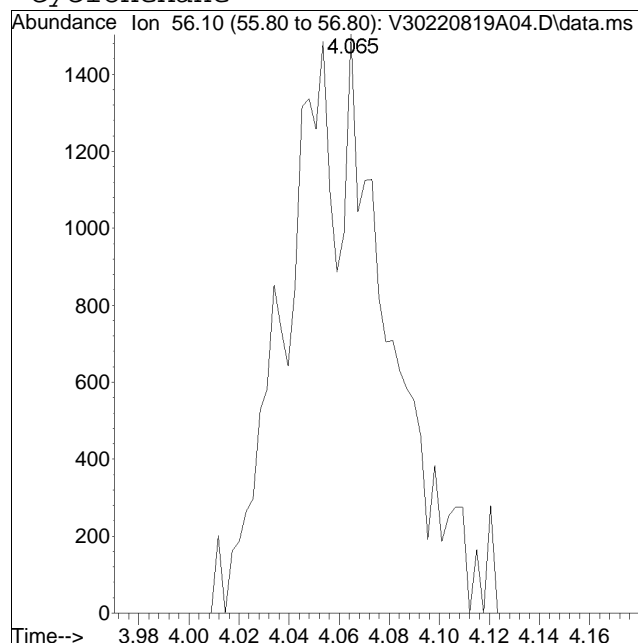
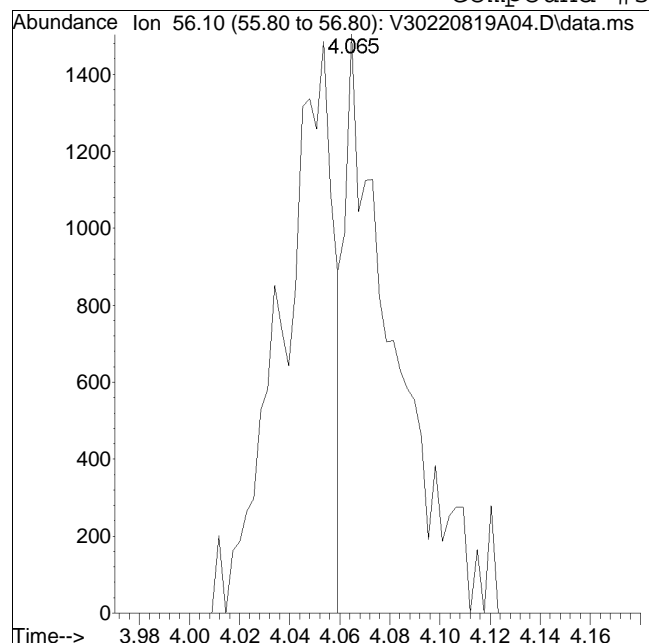
Manual Peak Response = 1253 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #31: Cyclohexane



Original Peak Response = 1976

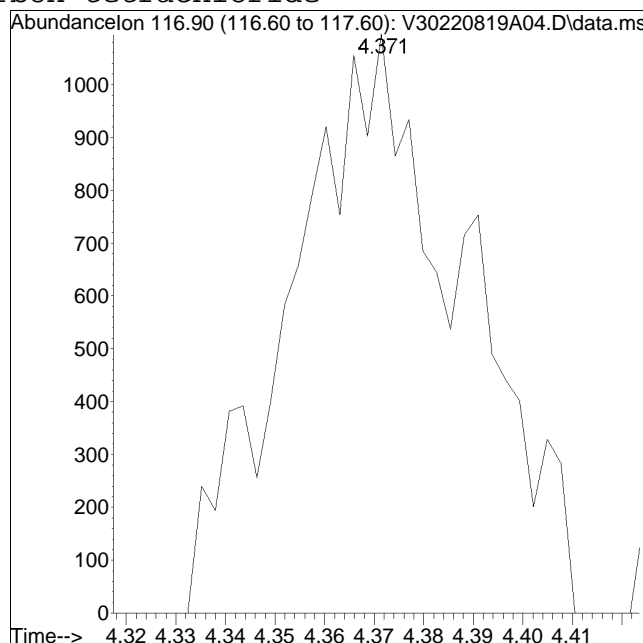
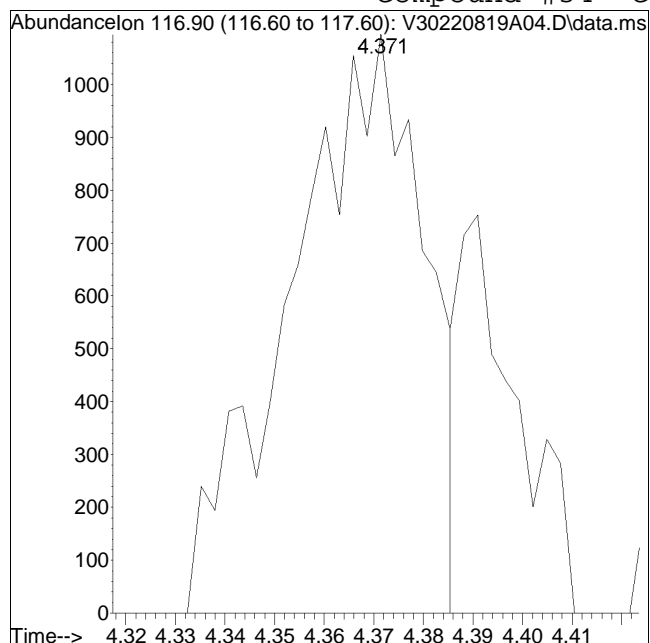
Manual Peak Response = 4172 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #34: Carbon tetrachloride



Original Peak Response = 2057

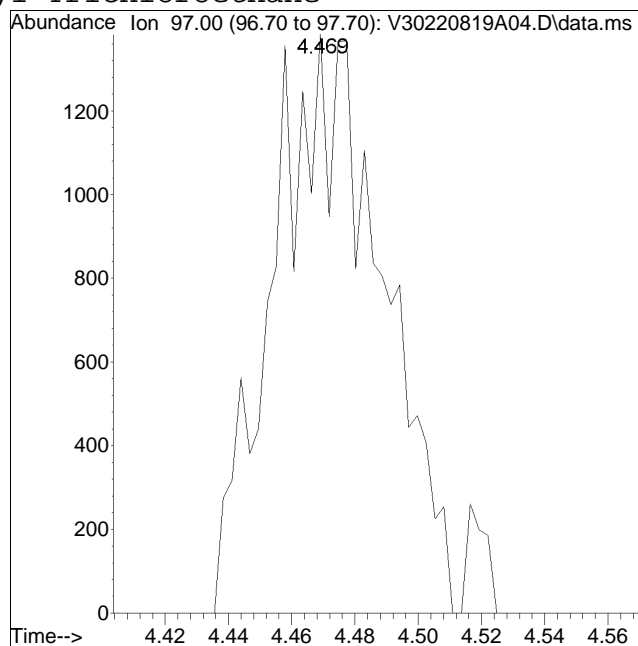
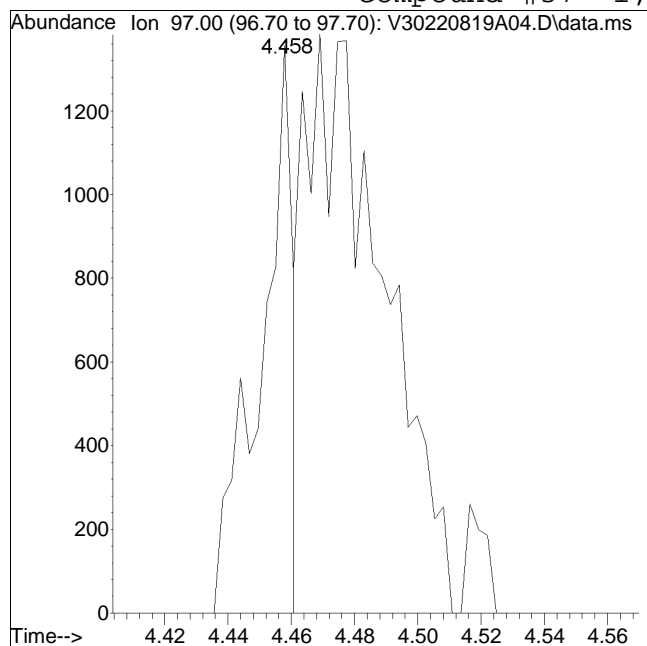
Manual Peak Response = 2661 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #37: 1,1,1-Trichloroethane



Original Peak Response = 957

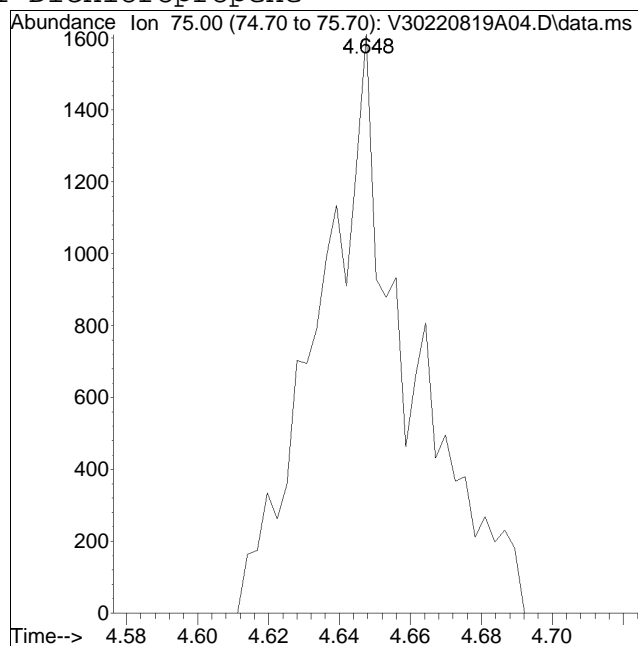
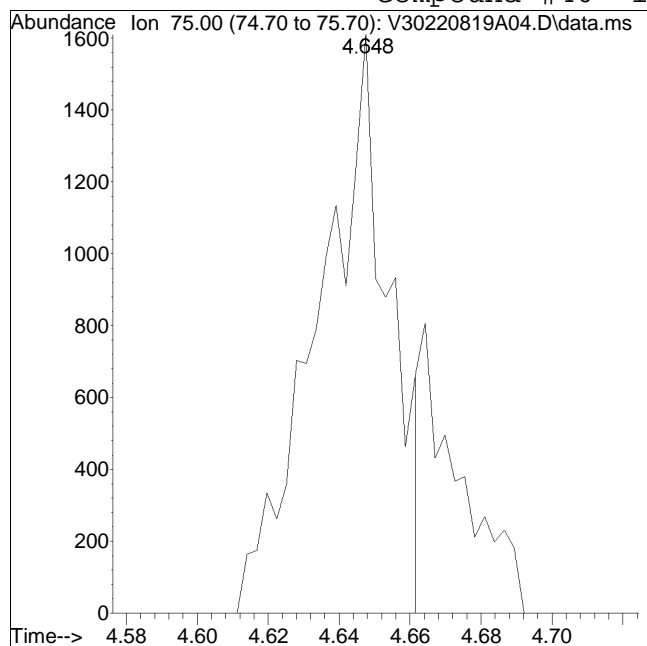
Manual Peak Response = 3442 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #40: 1,1-Dichloropropene



Original Peak Response = 2216

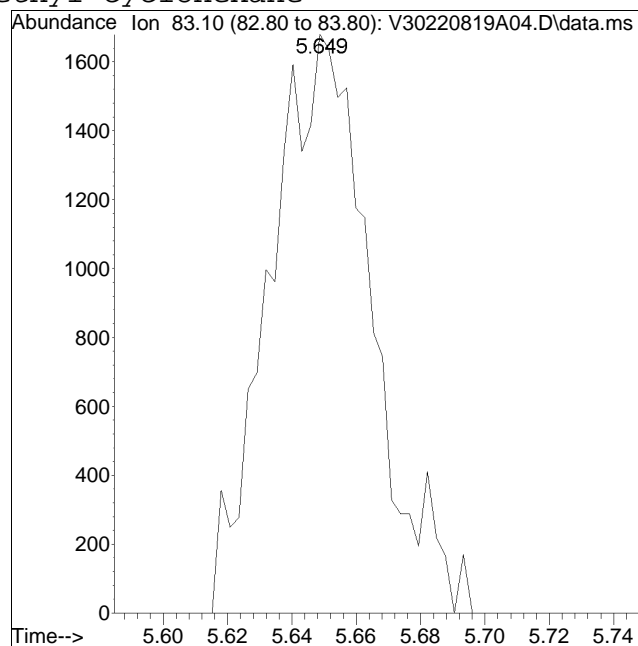
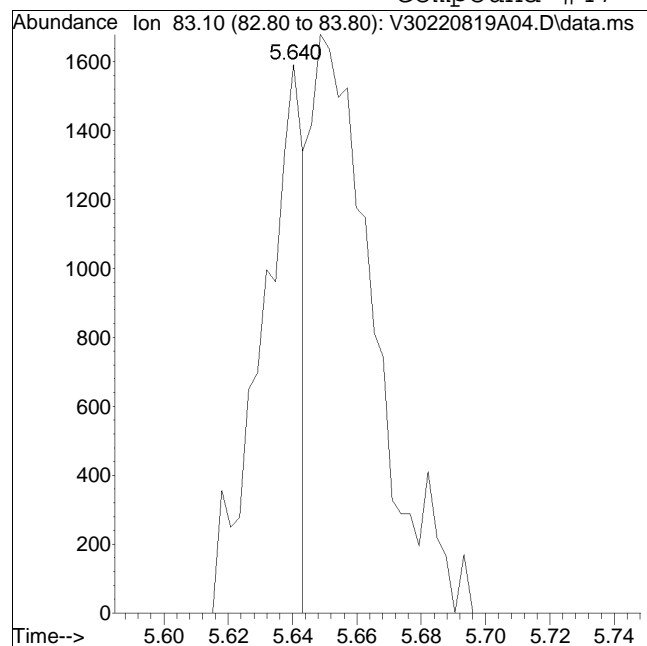
Manual Peak Response = 2813 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #47: Methyl cyclohexane



Original Peak Response = 1415

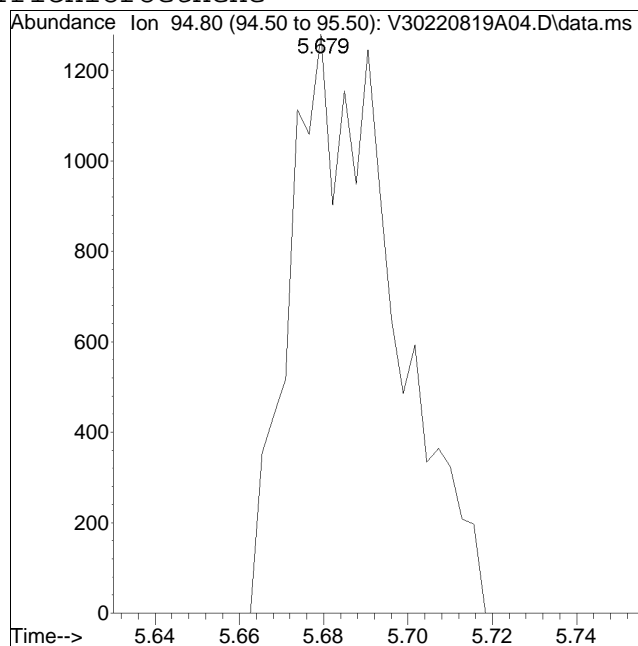
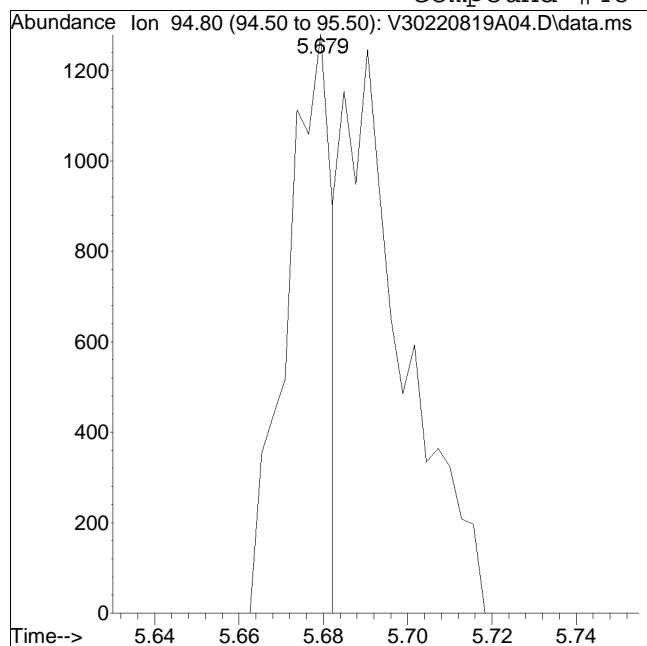
Manual Peak Response = 3707 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #48: Trichloroethene



Original Peak Response = 948

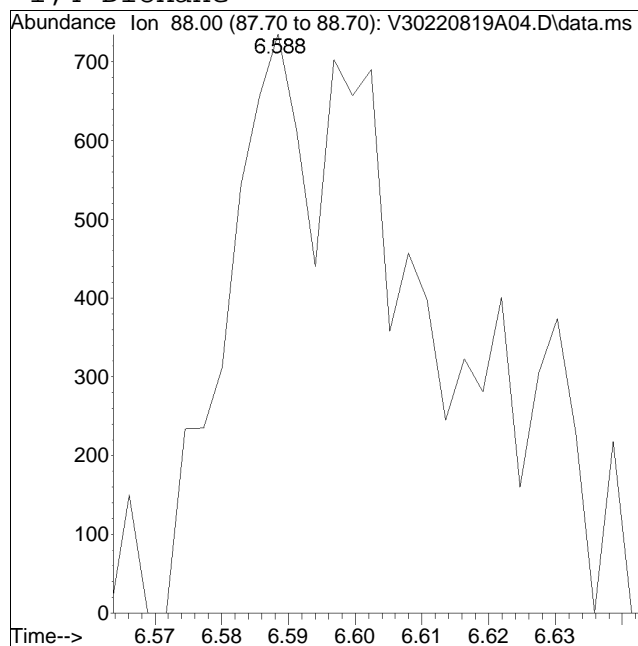
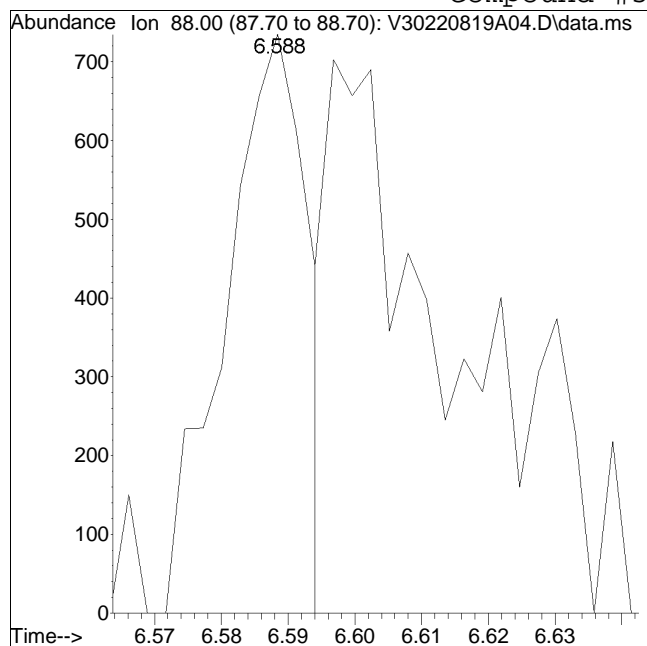
Manual Peak Response = 2193 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A04.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 2:35 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/22/2022 1:22 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 631

Manual Peak Response = 1564 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.489 | 96 | 257743 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = | 96.20% | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 194557 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = | 99.13% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.990 | 152 | 99085 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = | 97.56% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.488 | 113 | 69850 | 10.352 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.52% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 73897 | 9.933 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.33% | | | |
| 60) Toluene-d8 | 7.199 | 98 | 250244 | 9.807 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.07% | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 95007 | 10.072 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.72% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.935 | 85 | 11718M1 | 2.006 | ug/L | | |
| 3) Chloromethane | 1.072 | 50 | 12799 | 1.972 | ug/L | | 99 |
| 4) Vinyl chloride | 1.108 | 62 | 13277 | 2.022 | ug/L | | 93 |
| 5) Bromomethane | 1.315 | 94 | 9412 | 2.185 | ug/L | | 97 |
| 6) Chloroethane | 1.401 | 64 | 7593 | 1.903 | ug/L | | 98 |
| 7) Trichlorofluoromethane | 1.493 | 101 | 19026 | 1.893 | ug/L | | 97 |
| 8) Ethyl ether | 1.730 | 74 | 4230M1 | 1.872 | ug/L | | |
| 10) 1,1-Dichloroethene | 1.858 | 96 | 10508M1 | 1.969 | ug/L | | |
| 11) Carbon disulfide | 1.861 | 76 | 26025 | 2.006 | ug/L | | 97 |
| 12) Freon-113 | 1.897 | 101 | 11324 | 1.857 | ug/L | | 100 |
| 13) Iodomethane | 1.956 | 142 | 9515 | 1.739 | ug/L | | 91 |
| 14) Acrolein | 2.135 | 56 | 969 | 1.816 | ug/L # | | 51 |
| 15) Methylene chloride | 2.344 | 84 | 12237M1 | 2.188 | ug/L | | |
| 17) Acetone | 2.405 | 43 | 2317 | 2.819 | ug/L # | | 69 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 11569 | 2.022 | ug/L | | 81 |
| 19) Methyl acetate | 2.531 | 43 | 4294 | 1.939 | ug/L # | | 95 |
| 20) Methyl tert-butyl ether | 2.625 | 73 | 19159M1 | 1.881 | ug/L | | |
| 21) tert-Butyl alcohol | 2.781 | 59 | 1171M1 | 8.202 | ug/L | | |
| 22) Diisopropyl ether | 3.055 | 45 | 33817M1 | 1.913 | ug/L | | |
| 23) 1,1-Dichloroethane | 3.124 | 63 | 22621 | 2.015 | ug/L | | 96 |
| 24) Halothane | 3.278 | 117 | 8259 | 1.890 | ug/L # | | 51 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.186 | 53 | 2183M1 | 1.975 | ug/L | |
| 26) Ethyl tert-butyl ether | 3.498 | 59 | 25045M1 | 1.855 | ug/L | |
| 27) Vinyl acetate | 3.501 | 43 | 14698 | 1.761 | ug/L # | 87 |
| 28) cis-1,2-Dichloroethene | 3.816 | 96 | 12990M1 | 2.074 | ug/L | |
| 29) 2,2-Dichloropropane | 3.953 | 77 | 12696M1 | 1.872 | ug/L | |
| 30) Bromochloromethane | 4.081 | 128 | 5657 | 2.100 | ug/L # | 69 |
| 31) Cyclohexane | 4.050 | 56 | 21065M1 | 1.840 | ug/L | |
| 32) Chloroform | 4.251 | 83 | 21795 | 1.987 | ug/L # | 96 |
| 33) Ethyl acetate | 4.505 | 43 | 5413 | 1.929 | ug/L # | 88 |
| 34) Carbon tetrachloride | 4.365 | 117 | 14495 | 1.798 | ug/L | 98 |
| 35) Tetrahydrofuran | 4.449 | 42 | 1777M1 | 2.109 | ug/L | |
| 37) 1,1,1-Trichloroethane | 4.466 | 97 | 15968 | 1.689 | ug/L # | 78 |
| 39) 2-Butanone | 4.697 | 43 | 2650M1 | 2.200 | ug/L | |
| 40) 1,1-Dichloropropene | 4.650 | 75 | 14209 | 1.771 | ug/L | 98 |
| 41) Benzene | 4.962 | 78 | 44303 | 1.919 | ug/L # | 90 |
| 42) tert-Amyl methyl ether | 5.199 | 73 | 19386 | 1.813 | ug/L | 90 |
| 44) 1,2-Dichloroethane | 5.222 | 62 | 15573 | 2.027 | ug/L | 99 |
| 47) Methyl cyclohexane | 5.651 | 83 | 19189 | 1.821 | ug/L # | 76 |
| 48) Trichloroethene | 5.679 | 95 | 11435 | 1.829 | ug/L | 98 |
| 50) Dibromomethane | 6.131 | 93 | 6205 | 2.035 | ug/L | 97 |
| 51) 1,2-Dichloropropane | 6.245 | 63 | 11406 | 1.920 | ug/L | 98 |
| 53) 2-Chloroethyl vinyl ether | 7.006 | 63 | 4892 | 1.784 | ug/L # | 93 |
| 54) Bromodichloromethane | 6.357 | 83 | 15425 | 1.972 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.591 | 88 | 7819M1 | 375.993 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.017 | 75 | 13557 | 1.716 | ug/L | 98 |
| 61) Toluene | 7.246 | 92 | 28597 | 1.915 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 7.662 | 58 | 2168 | 1.794 | ug/L # | 87 |
| 63) Tetrachloroethene | 7.600 | 166 | 12017 | 1.857 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 9278 | 1.531 | ug/L | 94 |
| 67) Ethyl methacrylate | 7.868 | 69 | 7702 | 1.765 | ug/L | 98 |
| 68) 1,1,2-Trichloroethane | 7.801 | 83 | 6423 | 1.859 | ug/L | 96 |
| 69) Chlorodibromomethane | 7.941 | 129 | 8866 | 1.784 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.019 | 76 | 13583 | 1.844 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 6913 | 1.759 | ug/L | 95 |
| 72) 2-Hexanone | 8.342 | 43 | 3995 | 1.987 | ug/L | 89 |
| 73) Chlorobenzene | 8.512 | 112 | 32186 | 1.987 | ug/L | 97 |
| 74) Ethylbenzene | 8.554 | 91 | 55673 | 1.886 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.574 | 131 | 8695 | 1.684 | ug/L | 97 |
| 76) p/m Xylene | 8.663 | 106 | 41856 | 3.753 | ug/L | 98 |
| 77) o Xylene | 8.944 | 106 | 40172 | 3.747 | ug/L | 98 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 8.983 | 104 | 67433 | 3.840 | ug/L | 92 |
| 80) Bromoform | 8.983 | 173 | 4827 | 1.782 | ug/L | 96 |
| 82) Isopropylbenzene | 9.156 | 105 | 54799 | 1.900 | ug/L | 98 |
| 84) Bromobenzene | 9.374 | 156 | 13605 | 2.076 | ug/L | 99 |
| 85) n-Propylbenzene | 9.416 | 91 | 66141 | 1.883 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 13706 | 1.918 | ug/L | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 8921 | 1.937 | ug/L | 100 |
| 88) 4-Ethyltoluene | 9.485 | 105 | 52852 | 1.896 | ug/L | 98 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 45668 | 1.921 | ug/L | 97 |
| 90) 1,3,5-Trimethylbenzene | 9.538 | 105 | 45496 | 1.894 | ug/L | 94 |
| 91) 1,2,3-Trichloropropane | 9.533 | 75 | 7158 | 1.944 | ug/L | 97 |
| 92) trans-1,4-Dichloro-2-b... | 9.569 | 53 | 2448 | 1.982 | ug/L # | 78 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 40873 | 1.967 | ug/L | 98 |
| 94) tert-Butylbenzene | 9.725 | 119 | 40287 | 1.918 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 9.767 | 105 | 44064 | 1.883 | ug/L | 92 |
| 98) sec-Butylbenzene | 9.828 | 105 | 60728 | 1.885 | ug/L | 100 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 49694 | 1.827 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 9.943 | 146 | 25414 | 1.934 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 26040 | 2.012 | ug/L | 97 |
| 102) p-Diethylbenzene | 10.127 | 119 | 30429 | 1.919 | ug/L | 92 |
| 103) n-Butylbenzene | 10.160 | 91 | 46624 | 1.839 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.238 | 146 | 23708 | 1.995 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.584 | 119 | 44580 | 1.890 | ug/L | 96 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 973 | 1.644 | ug/L # | 67 |
| 107) 1,3,5-Trichlorobenzene | 10.710 | 180 | 20537 | 1.981 | ug/L | 92 |
| 108) Hexachlorobutadiene | 11.056 | 225 | 9030 | 1.929 | ug/L | 95 |
| 109) 1,2,4-Trichlorobenzene | 11.069 | 180 | 16943 | 1.941 | ug/L | 97 |
| 110) Naphthalene | 11.251 | 128 | 29972 | 1.934 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.351 | 180 | 14922 | 1.910 | ug/L | 98 |

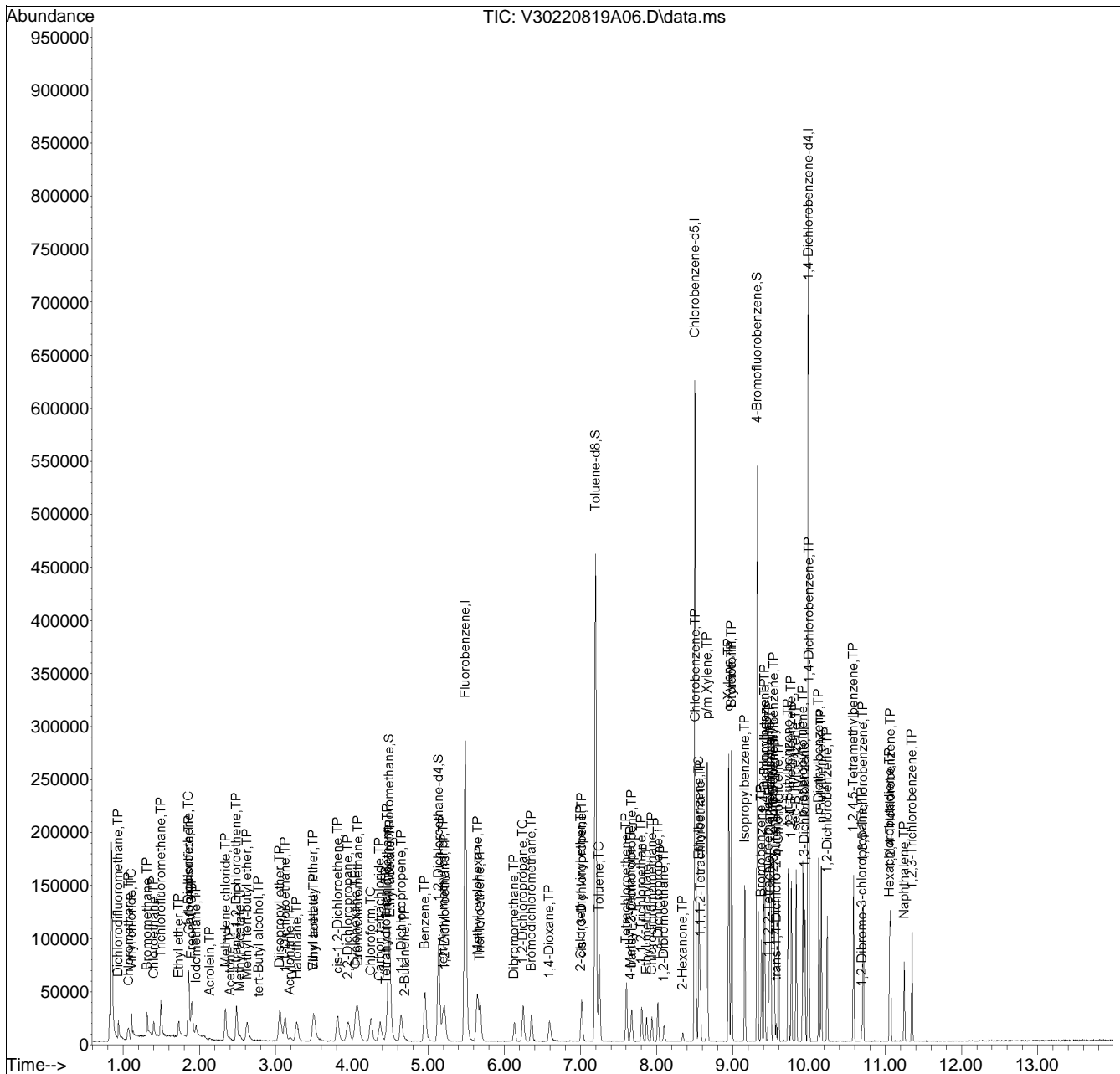
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A06.D
 Acq On : 19 Aug 2022 03:15 pm
 Operator : VOA130:MKS
 Sample : I8260STD2PPB
 Misc : WG1678209
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 13:31:23 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

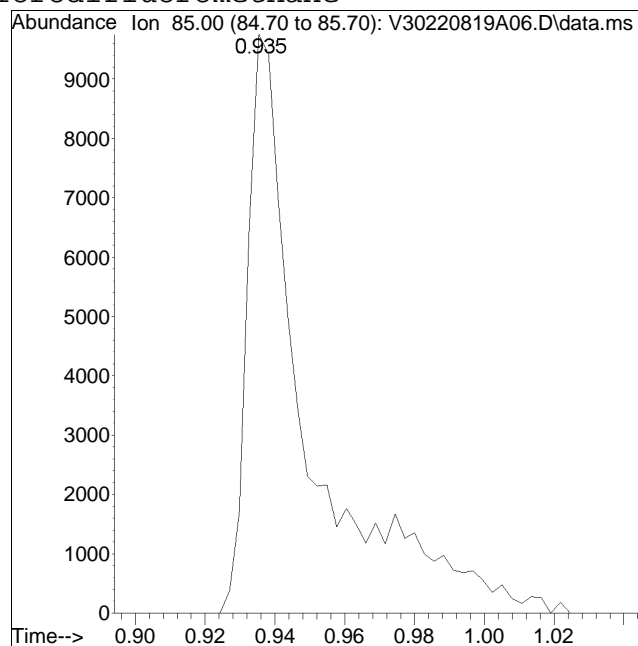
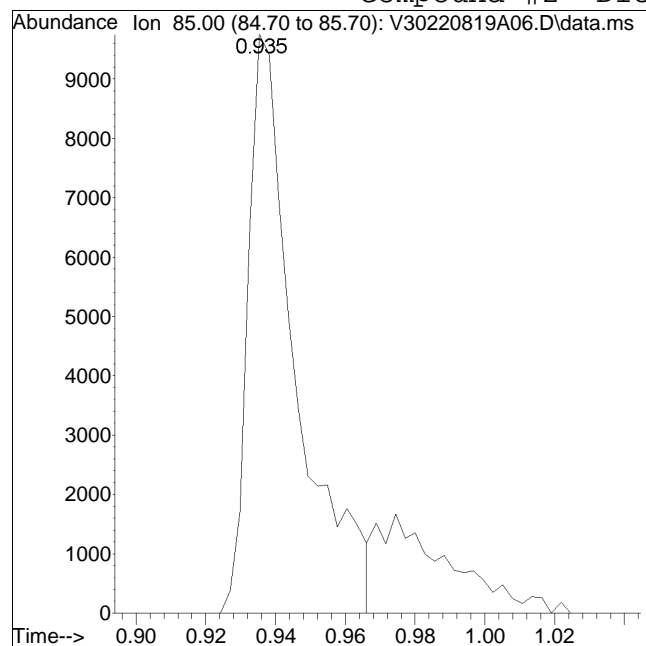
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #2: Dichlorodifluoromethane



Original Peak Response = 9299

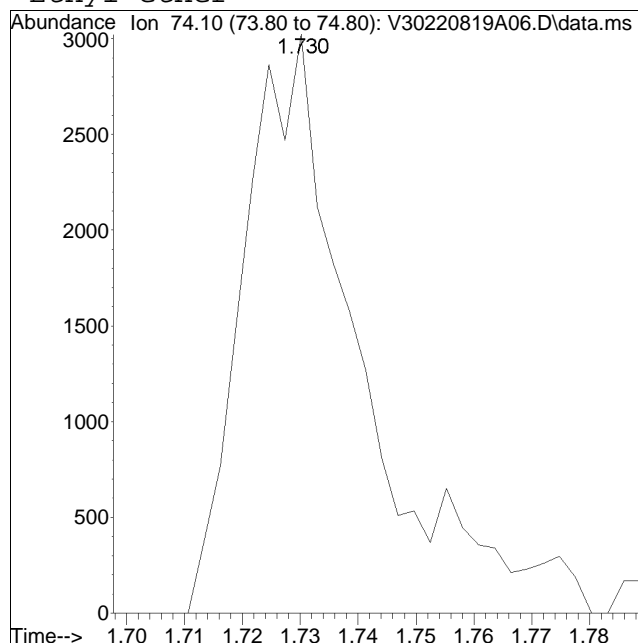
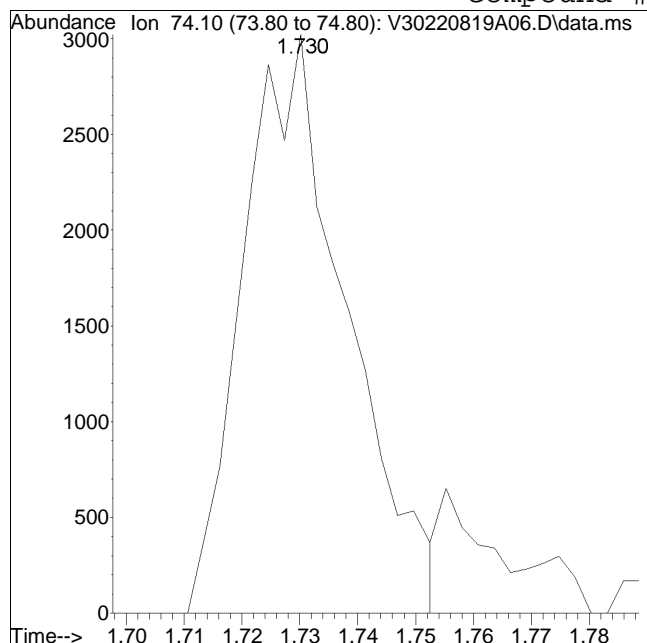
Manual Peak Response = 11718 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #8: Ethyl ether



Original Peak Response = 3732

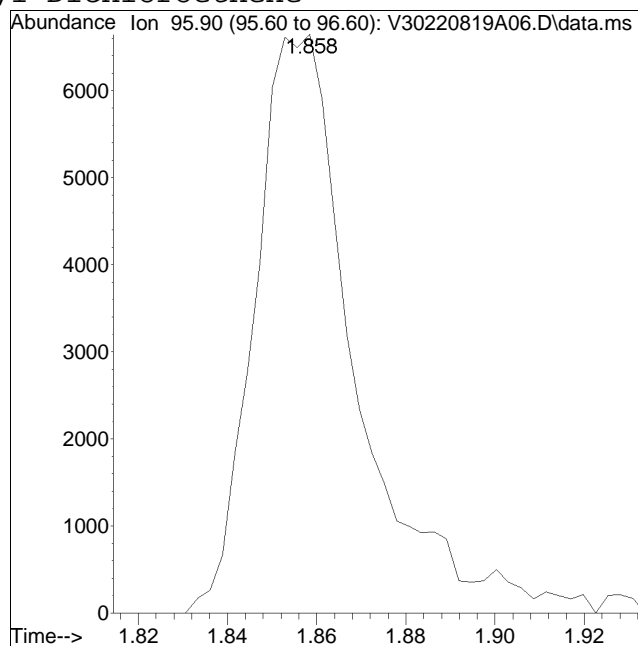
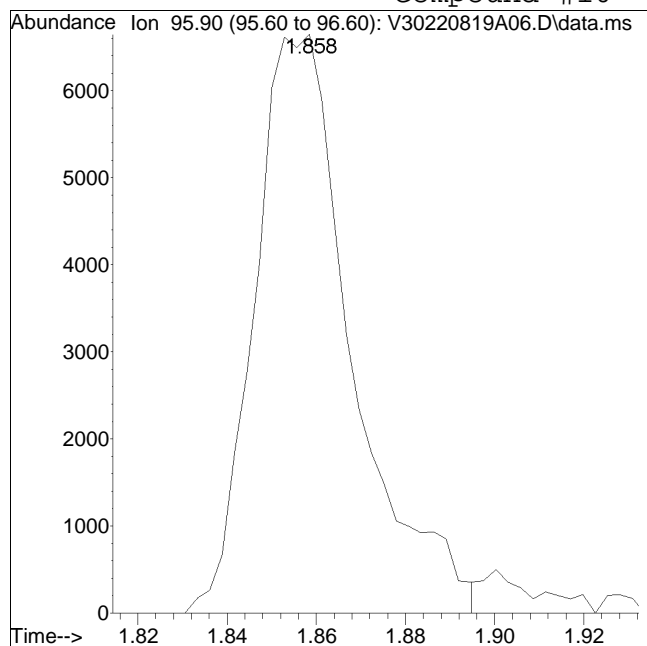
Manual Peak Response = 4230 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #10: 1,1-Dichloroethene



Original Peak Response = 10091

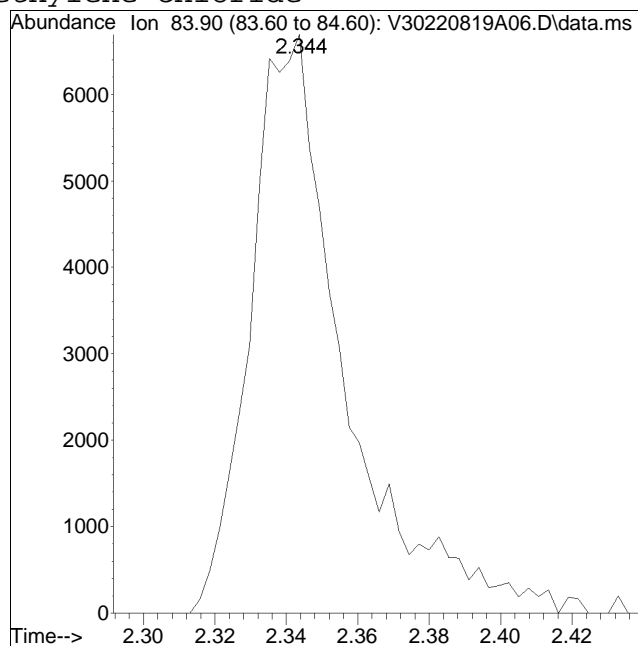
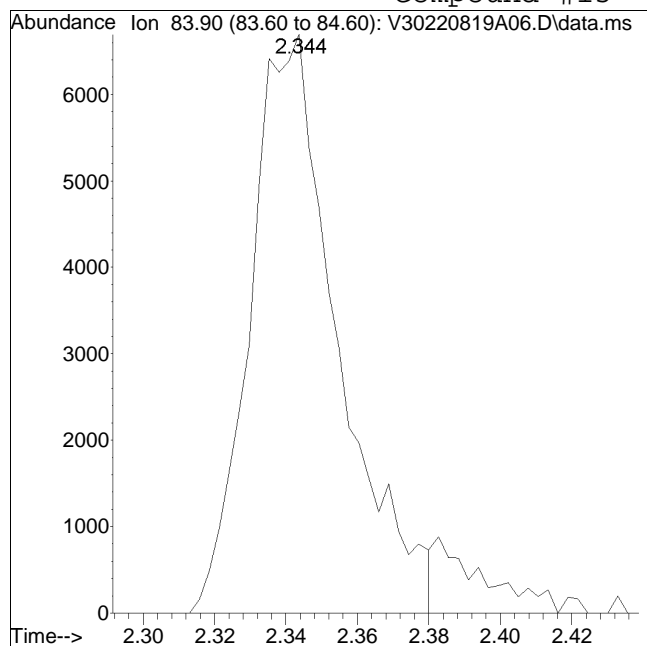
Manual Peak Response = 10508 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #15: Methylene chloride



Original Peak Response = 11346

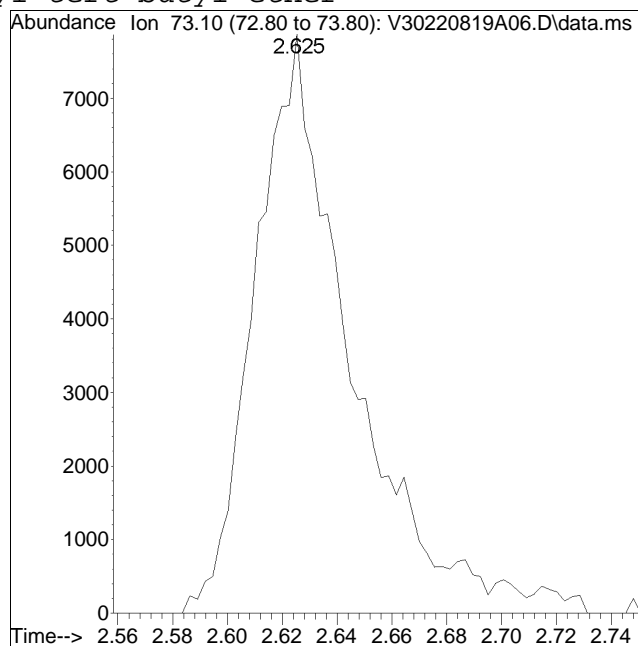
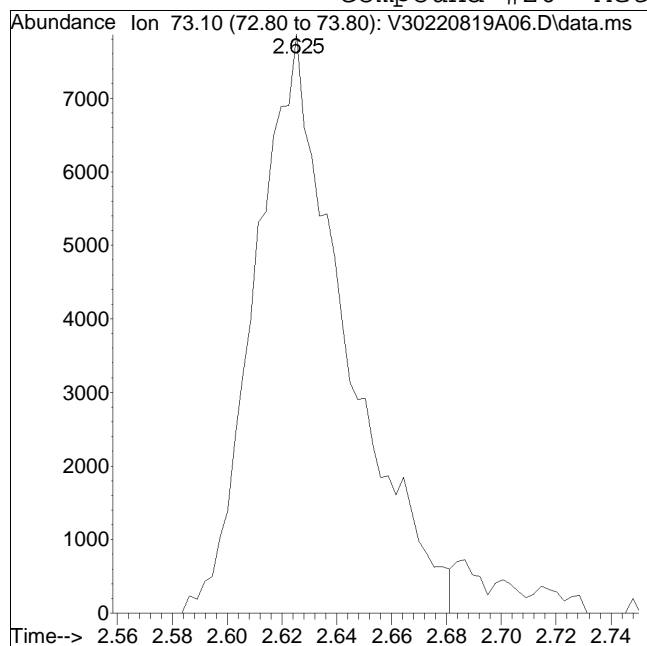
Manual Peak Response = 12237 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 18101

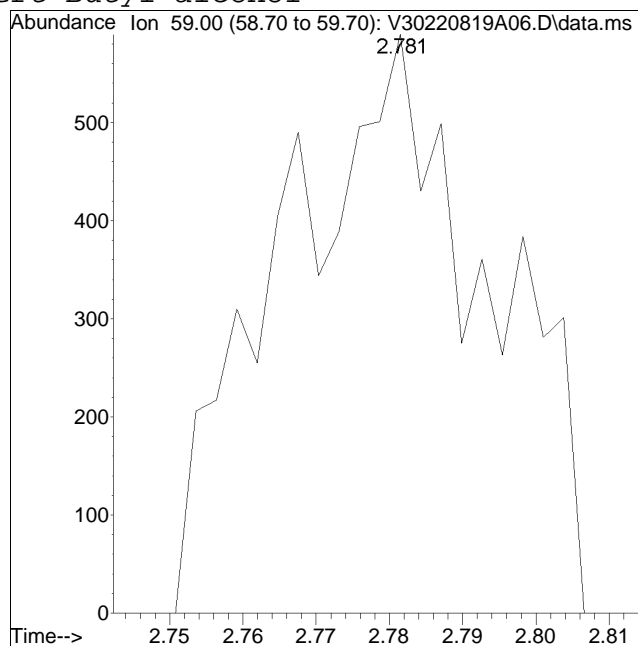
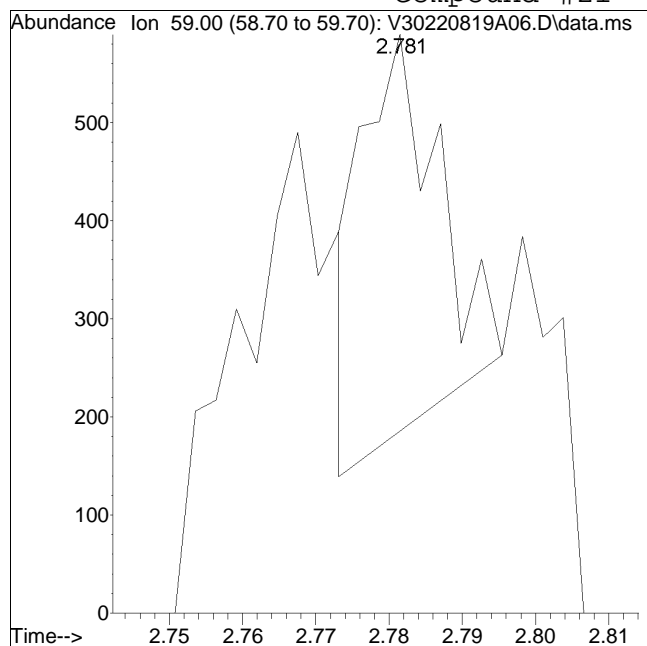
Manual Peak Response = 19159 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 302

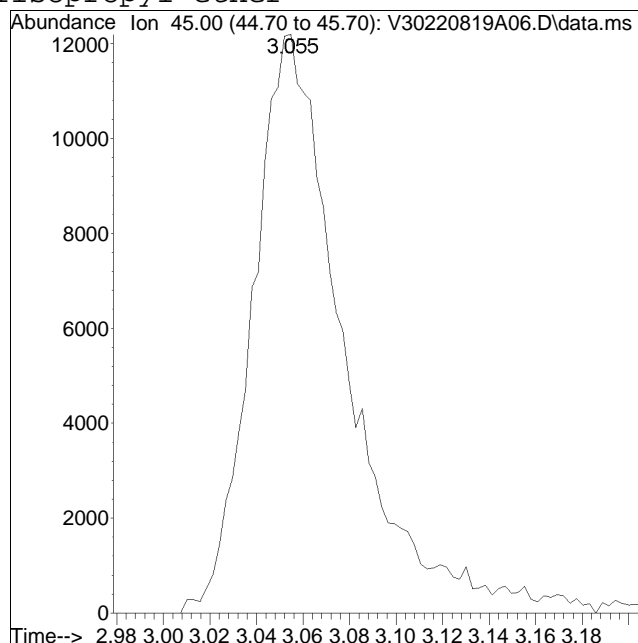
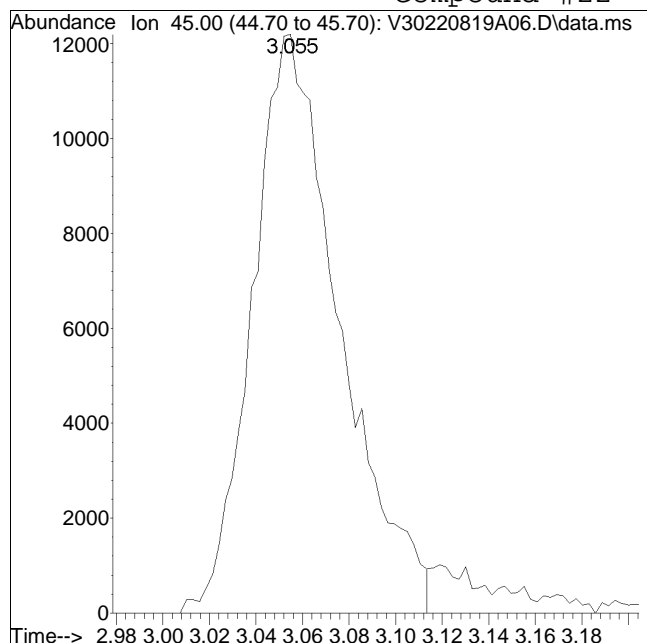
Manual Peak Response = 1171 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #22: Diisopropyl ether



Original Peak Response = 31682

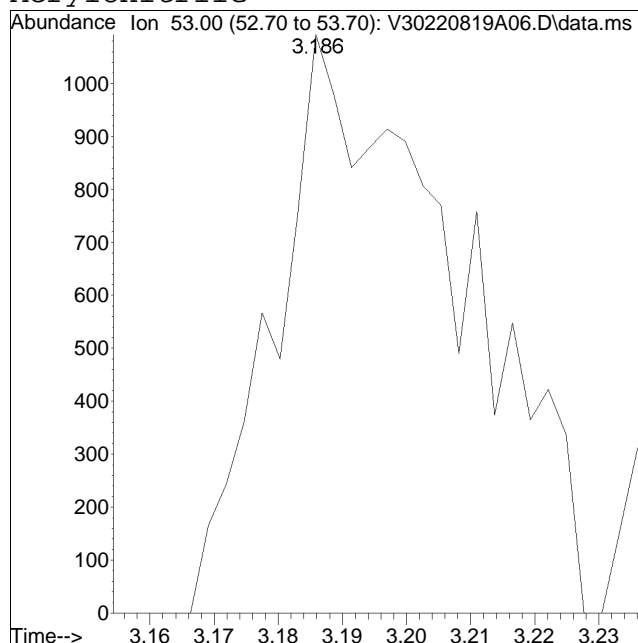
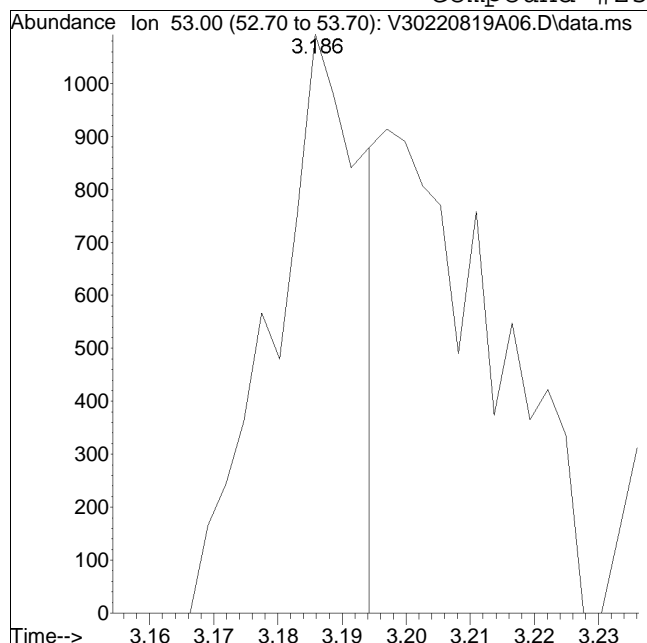
Manual Peak Response = 33817 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #25: Acrylonitrile



Original Peak Response = 1065

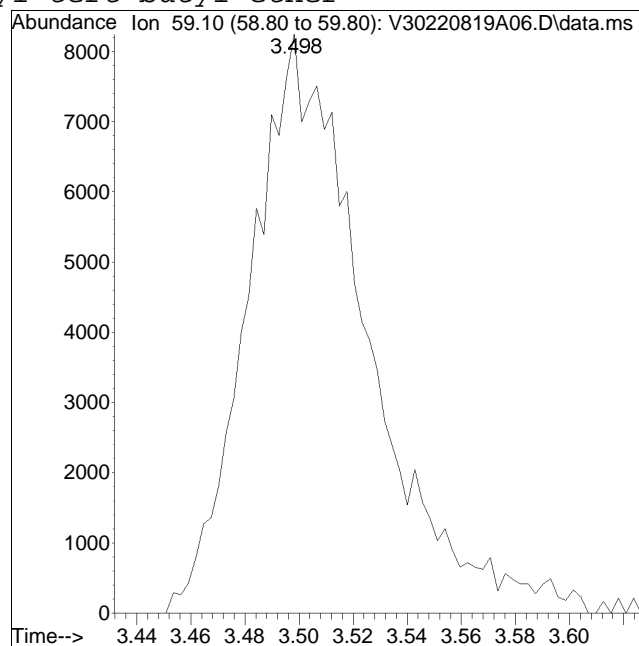
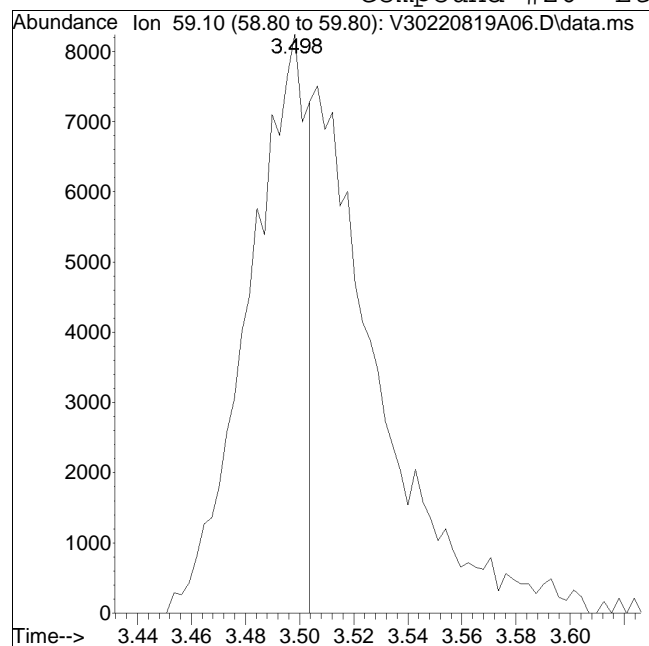
Manual Peak Response = 2183 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #26: Ethyl tert-butyl ether



Original Peak Response = 12649

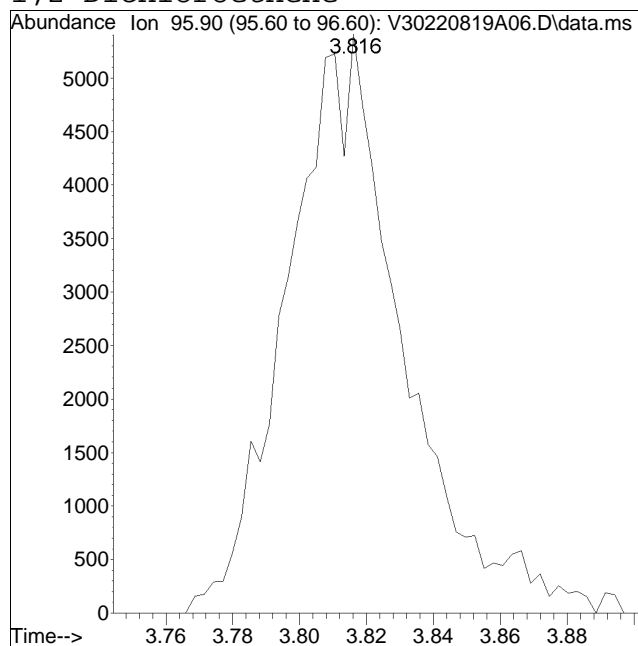
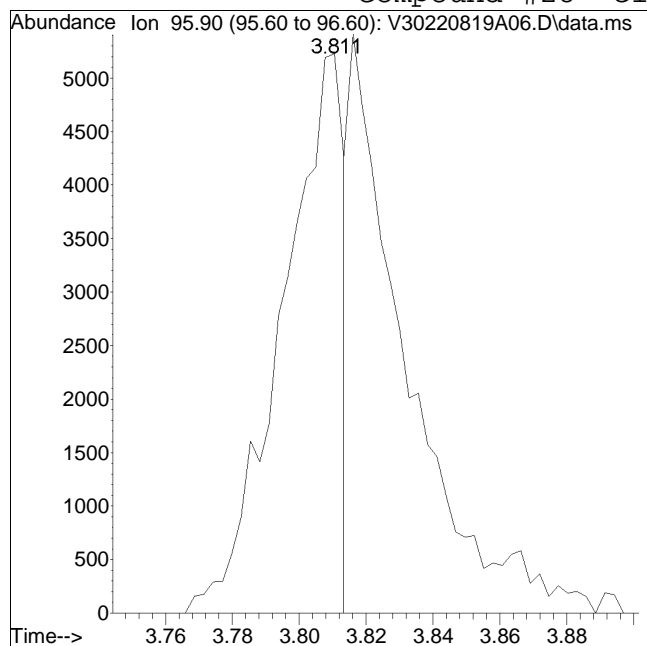
Manual Peak Response = 25045 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #28: cis-1,2-Dichloroethene



Original Peak Response = 6634

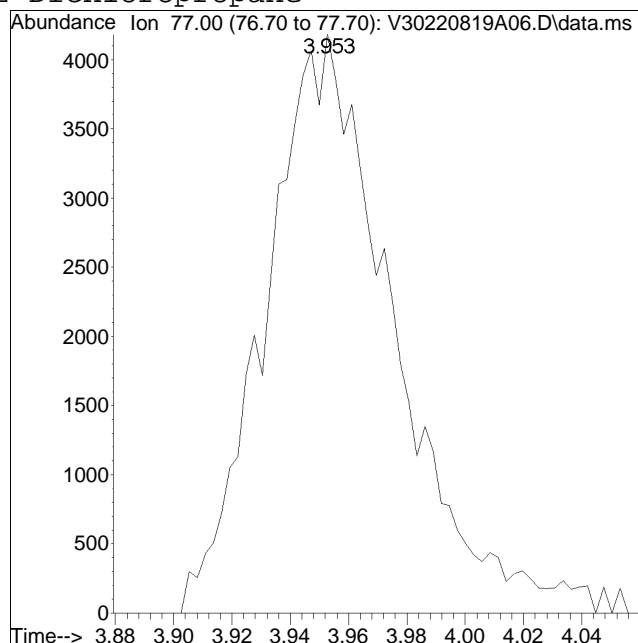
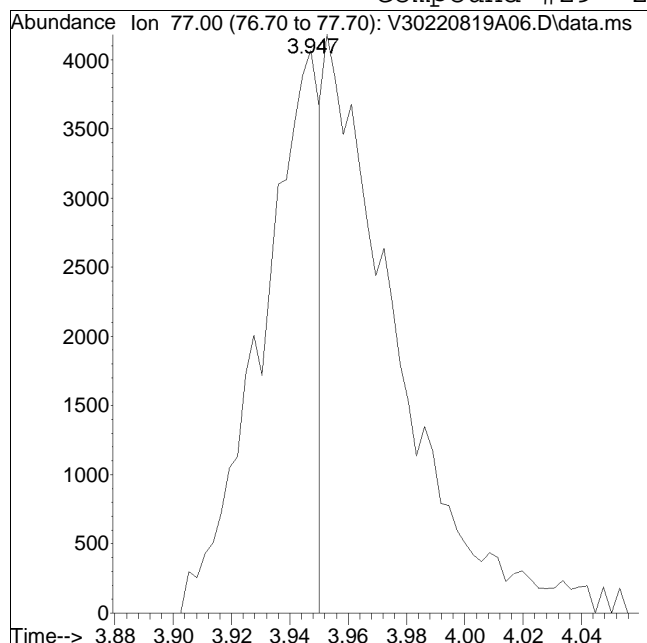
Manual Peak Response = 12990 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #29: 2,2-Dichloropropane



Original Peak Response = 5631

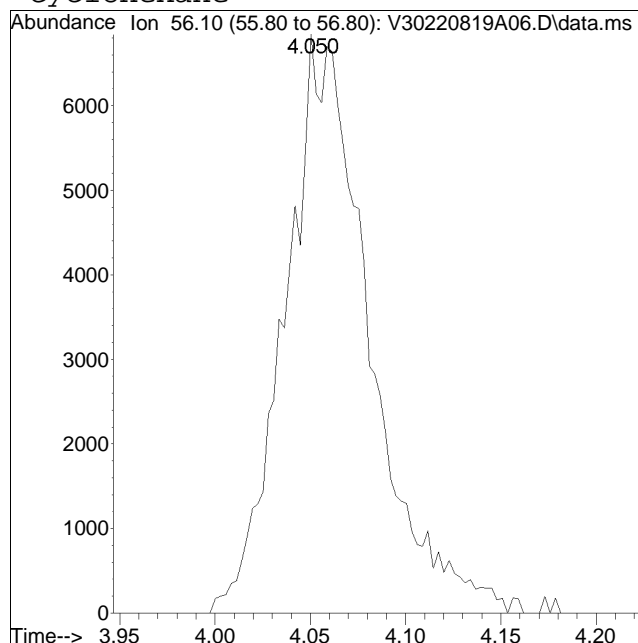
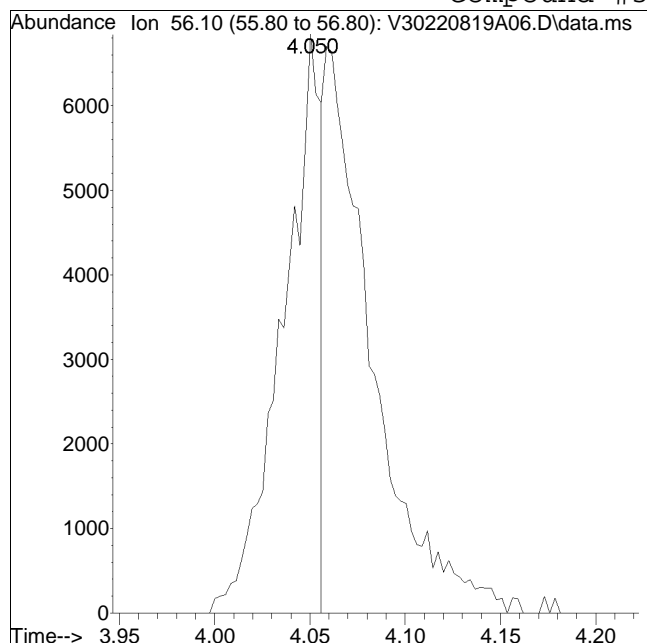
Manual Peak Response = 12696 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #31: Cyclohexane



Original Peak Response = 9424

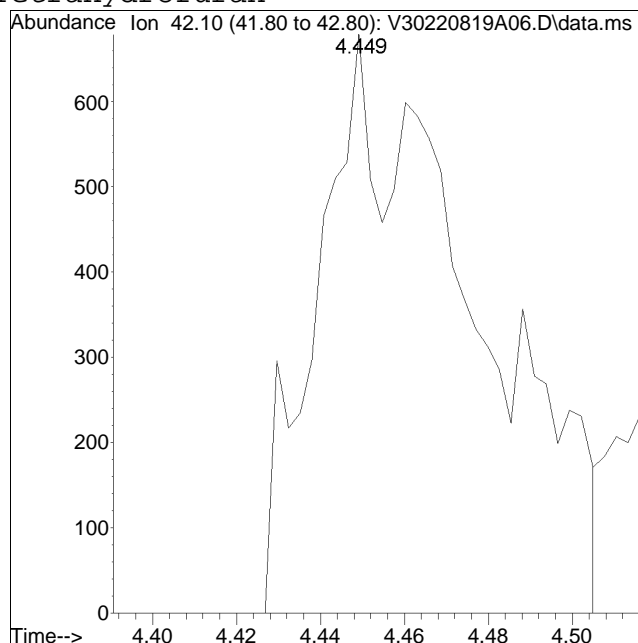
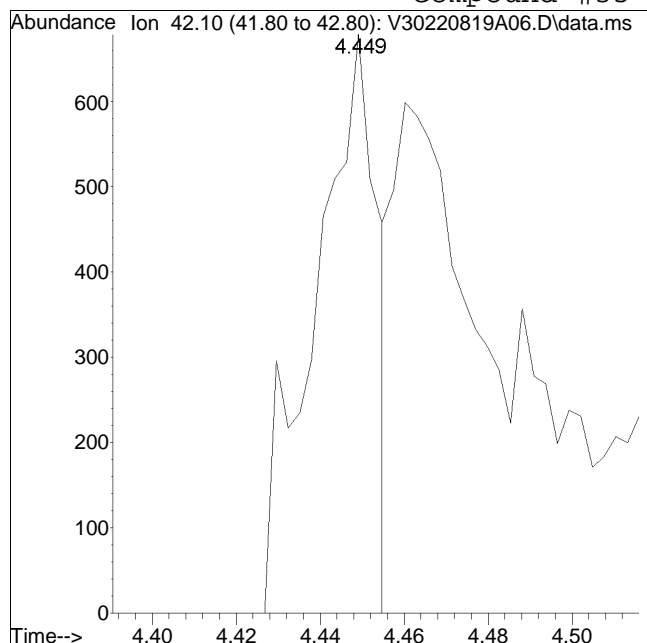
Manual Peak Response = 21065 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 702

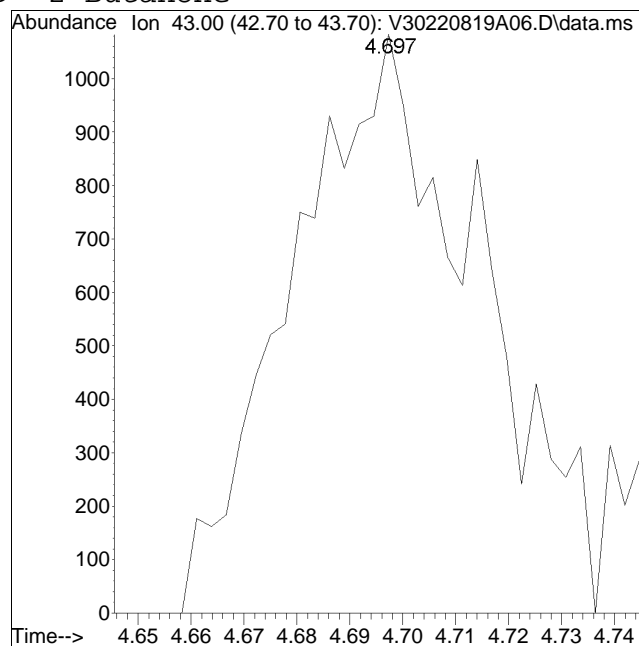
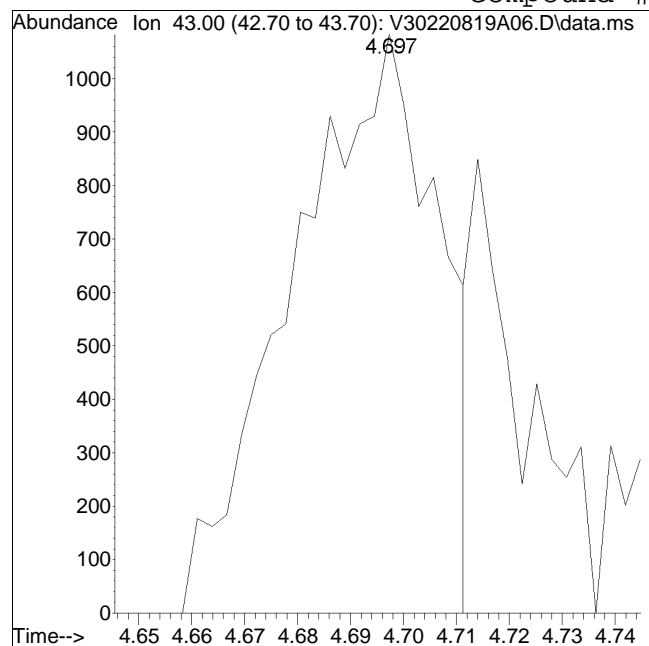
Manual Peak Response = 1777 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #39: 2-Butanone



Original Peak Response = 2066

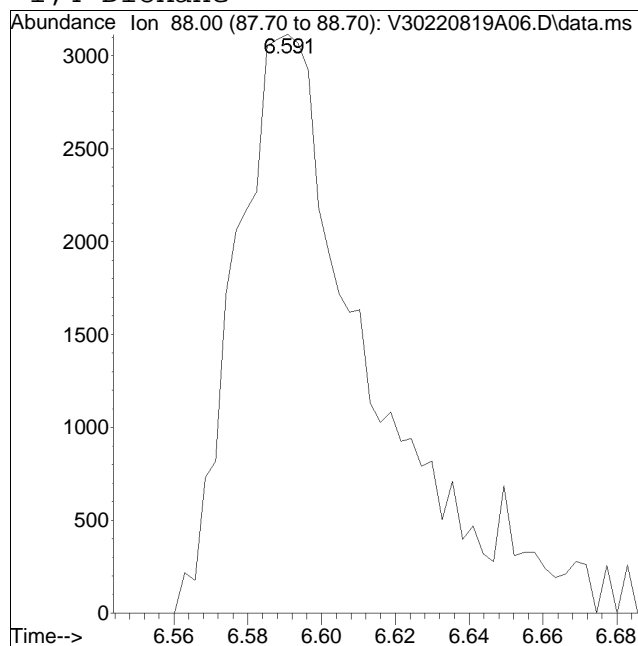
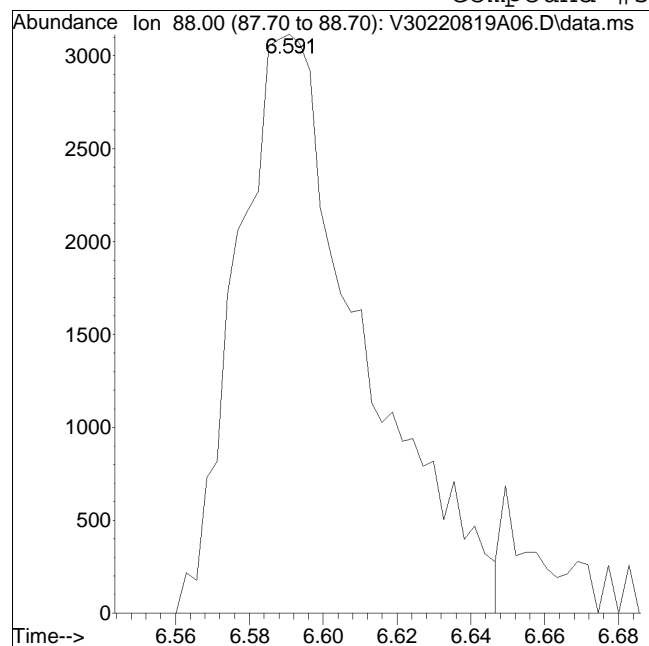
Manual Peak Response = 2650 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A06.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:15 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 7344

Manual Peak Response = 7819 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.487 | 96 | 267936 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = 100.00% | | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 196265 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = 100.00% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 101565 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = 100.00% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 70146 | 10.000 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 77334 | 10.000 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | | |
| 60) Toluene-d8 | 7.196 | 98 | 257415 | 10.000 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 96691 | 10.000 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 60734 | 10.000 | ug/L | | 86 |
| 3) Chloromethane | 1.064 | 50 | 67468 | 10.000 | ug/L | | 98 |
| 4) Vinyl chloride | 1.109 | 62 | 68271 | 10.000 | ug/L | | 96 |
| 5) Bromomethane | 1.312 | 94 | 44776 | 10.000 | ug/L | | 99 |
| 6) Chloroethane | 1.399 | 64 | 41486 | 10.000 | ug/L | | 97 |
| 7) Trichlorofluoromethane | 1.494 | 101 | 104496M1 | 10.000 | ug/L | | |
| 8) Ethyl ether | 1.731 | 74 | 23492M1 | 10.000 | ug/L | | |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 55478 | 10.000 | ug/L | | 78 |
| 11) Carbon disulfide | 1.859 | 76 | 134863 | 10.000 | ug/L | | 100 |
| 12) Freon-113 | 1.901 | 101 | 63390M1 | 10.000 | ug/L | | |
| 13) Iodomethane | 1.954 | 142 | 56895 | 10.000 | ug/L | | 93 |
| 14) Acrolein | 2.135 | 56 | 5548 | 10.000 | ug/L | | 96 |
| 15) Methylene chloride | 2.341 | 84 | 58127 | 10.000 | ug/L | | 81 |
| 17) Acetone | 2.405 | 43 | 8545 | 10.000 | ug/L | | 94 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 59484 | 10.000 | ug/L | | 83 |
| 19) Methyl acetate | 2.534 | 43 | 23018 | 10.000 | ug/L | | 96 |
| 20) Methyl tert-butyl ether | 2.623 | 73 | 105877 | 10.000 | ug/L | | 94 |
| 21) tert-Butyl alcohol | 2.782 | 59 | 7421M3 | 50.000 | ug/L | | |
| 22) Diisopropyl ether | 3.052 | 45 | 183795 | 10.000 | ug/L | | 92 |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 116712 | 10.000 | ug/L | | 98 |
| 24) Halothane | 3.273 | 117 | 45424 | 10.000 | ug/L | # | 67 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.197 | 53 | 11491M1 | 10.000 | ug/L | |
| 26) Ethyl tert-butyl ether | 3.496 | 59 | 140372 | 10.000 | ug/L | 95 |
| 27) Vinyl acetate | 3.499 | 43 | 86748 | 10.000 | ug/L # | 91 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 65115 | 10.000 | ug/L # | 76 |
| 29) 2,2-Dichloropropane | 3.956 | 77 | 70518 | 10.000 | ug/L # | 60 |
| 30) Bromochloromethane | 4.087 | 128 | 28009 | 10.000 | ug/L # | 67 |
| 31) Cyclohexane | 4.056 | 56 | 119016 | 10.000 | ug/L | 74 |
| 32) Chloroform | 4.249 | 83 | 113998 | 10.000 | ug/L # | 91 |
| 33) Ethyl acetate | 4.505 | 43 | 29178M1 | 10.000 | ug/L | |
| 34) Carbon tetrachloride | 4.369 | 117 | 83792 | 10.000 | ug/L # | 94 |
| 35) Tetrahydrofuran | 4.447 | 42 | 8758 | 10.000 | ug/L # | 75 |
| 37) 1,1,1-Trichloroethane | 4.469 | 97 | 98288 | 10.000 | ug/L # | 98 |
| 39) 2-Butanone | 4.692 | 43 | 12520 | 10.000 | ug/L # | 81 |
| 40) 1,1-Dichloropropene | 4.648 | 75 | 83423 | 10.000 | ug/L | 97 |
| 41) Benzene | 4.960 | 78 | 240035 | 10.000 | ug/L | 93 |
| 42) tert-Amyl methyl ether | 5.194 | 73 | 111169 | 10.000 | ug/L | 94 |
| 44) 1,2-Dichloroethane | 5.216 | 62 | 79877 | 10.000 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.649 | 83 | 109562 | 10.000 | ug/L | 79 |
| 48) Trichloroethene | 5.682 | 95 | 65001 | 10.000 | ug/L | 98 |
| 50) Dibromomethane | 6.134 | 93 | 31703 | 10.000 | ug/L | 95 |
| 51) 1,2-Dichloropropane | 6.245 | 63 | 61746 | 10.000 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.010 | 63 | 28513 | 10.000 | ug/L | 95 |
| 54) Bromodichloromethane | 6.360 | 83 | 81294 | 10.000 | ug/L | 99 |
| 57) 1,4-Dioxane | 6.586 | 88 | 10809M1 | 500.000 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.018 | 75 | 82112 | 10.000 | ug/L | 98 |
| 61) Toluene | 7.247 | 92 | 150634 | 10.000 | ug/L | 97 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 12193 | 10.000 | ug/L # | 91 |
| 63) Tetrachloroethene | 7.601 | 166 | 65268 | 10.000 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 61127 | 10.000 | ug/L | 98 |
| 67) Ethyl methacrylate | 7.866 | 69 | 44031 | 10.000 | ug/L | 99 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 34861 | 10.000 | ug/L | 95 |
| 69) Chlorodibromomethane | 7.938 | 129 | 50124 | 10.000 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.013 | 76 | 74326 | 10.000 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 39644 | 10.000 | ug/L | 98 |
| 72) 2-Hexanone | 8.343 | 43 | 20285 | 10.000 | ug/L | 97 |
| 73) Chlorobenzene | 8.513 | 112 | 163377 | 10.000 | ug/L | 94 |
| 74) Ethylbenzene | 8.554 | 91 | 297835 | 10.000 | ug/L | 100 |
| 75) 1,1,1,2-Tetrachloroethane | 8.571 | 131 | 52077 | 10.000 | ug/L | 97 |
| 76) p/m Xylene | 8.660 | 106 | 224989 | 20.000 | ug/L | 100 |
| 77) o Xylene | 8.945 | 106 | 216314 | 20.000 | ug/L | 94 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 8.984 | 104 | 354267 | 20.000 | ug/L | 93 |
| 80) Bromoform | 8.984 | 173 | 27770 | 10.000 | ug/L | 95 |
| 82) Isopropylbenzene | 9.157 | 105 | 295605 | 10.000 | ug/L | 98 |
| 84) Bromobenzene | 9.377 | 156 | 67191 | 10.000 | ug/L | 98 |
| 85) n-Propylbenzene | 9.416 | 91 | 360121 | 10.000 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 73232 | 10.000 | ug/L | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 47203 | 10.000 | ug/L | 99 |
| 88) 4-Ethyltoluene | 9.486 | 105 | 285795 | 10.000 | ug/L | 97 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 243657 | 10.000 | ug/L | 97 |
| 90) 1,3,5-Trimethylbenzene | 9.539 | 105 | 246243 | 10.000 | ug/L | 94 |
| 91) 1,2,3-Trichloropropane | 9.533 | 75 | 37742 | 10.000 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.570 | 53 | 12658 | 10.000 | ug/L # | 86 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 213000 | 10.000 | ug/L | 96 |
| 94) tert-Butylbenzene | 9.726 | 119 | 215326 | 10.000 | ug/L | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.768 | 105 | 239845 | 10.000 | ug/L | 97 |
| 98) sec-Butylbenzene | 9.829 | 105 | 330257 | 10.000 | ug/L | 99 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 278841 | 10.000 | ug/L | 97 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 134720 | 10.000 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 132687 | 10.000 | ug/L | 98 |
| 102) p-Diethylbenzene | 10.127 | 119 | 162514 | 10.000 | ug/L | 96 |
| 103) n-Butylbenzene | 10.161 | 91 | 259819 | 10.000 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.239 | 146 | 121793 | 10.000 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.582 | 119 | 241742 | 10.000 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 6065 | 10.000 | ug/L | 89 |
| 107) 1,3,5-Trichlorobenzene | 10.710 | 180 | 106285 | 10.000 | ug/L | 94 |
| 108) Hexachlorobutadiene | 11.056 | 225 | 47988 | 10.000 | ug/L | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 89485 | 10.000 | ug/L | 98 |
| 110) Naphthalene | 11.248 | 128 | 158859 | 10.000 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.352 | 180 | 80096 | 10.000 | ug/L | 99 |

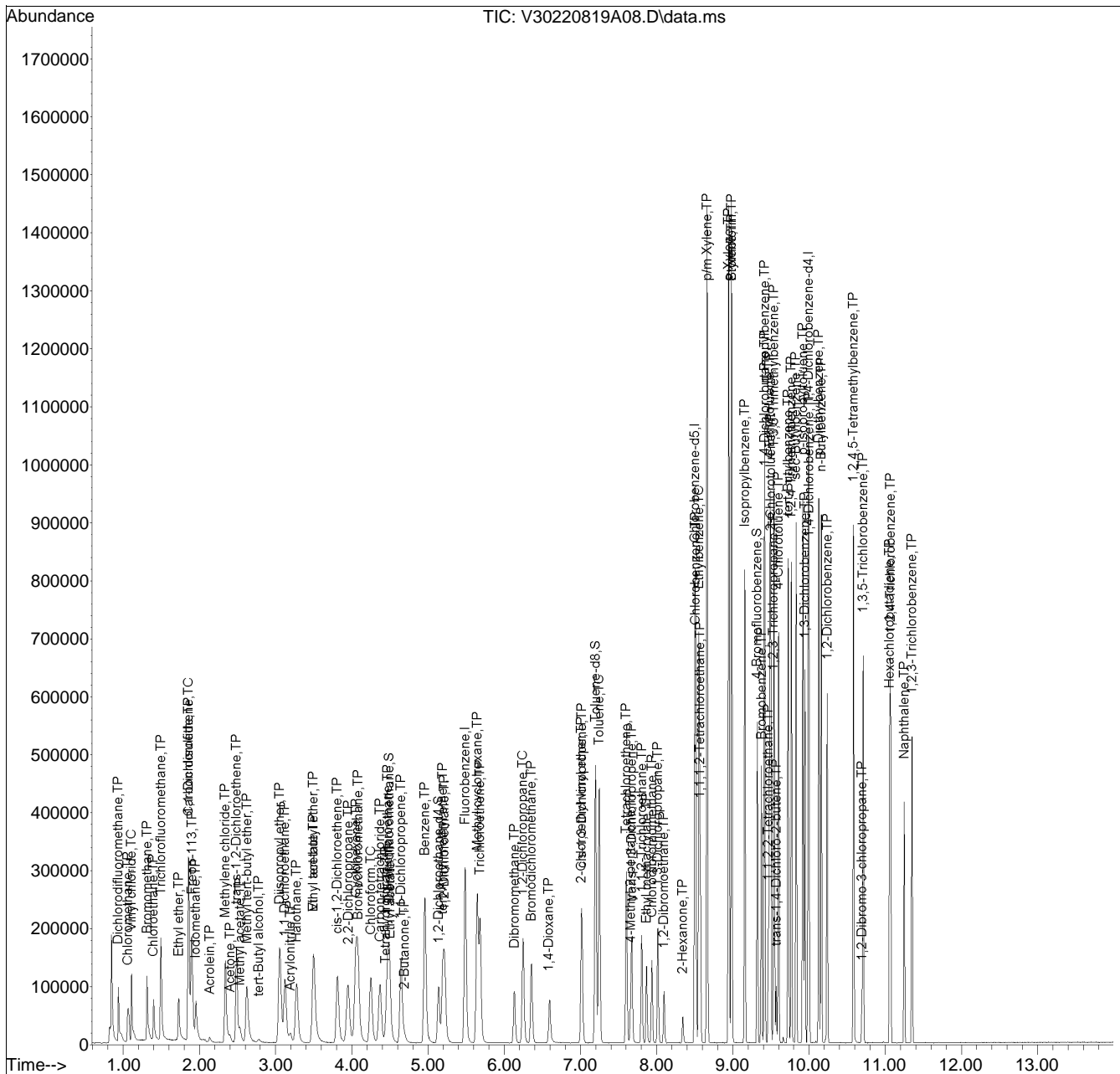
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A08.D
 Acq On : 19 Aug 2022 03:54 pm
 Operator : VOA130:MKS
 Sample : I8260STD10PPB
 Misc : WG1678209
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 13:33:22 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:32 2022
 Response via : Initial Calibration

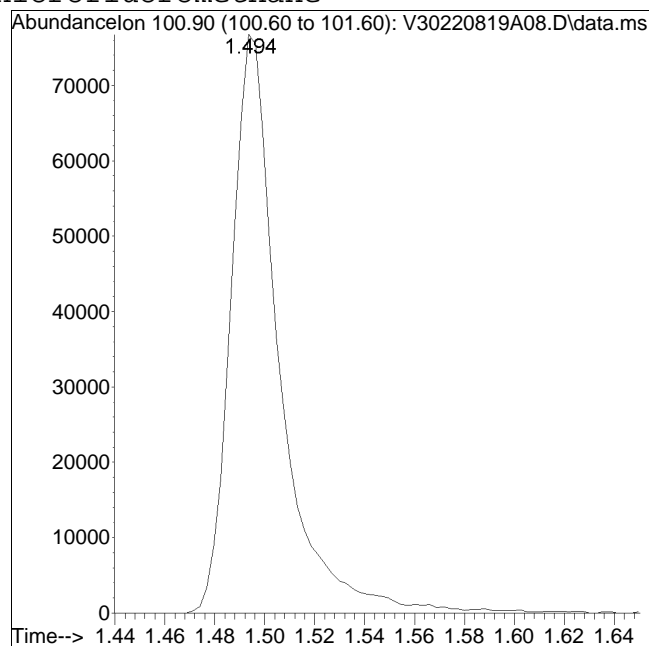
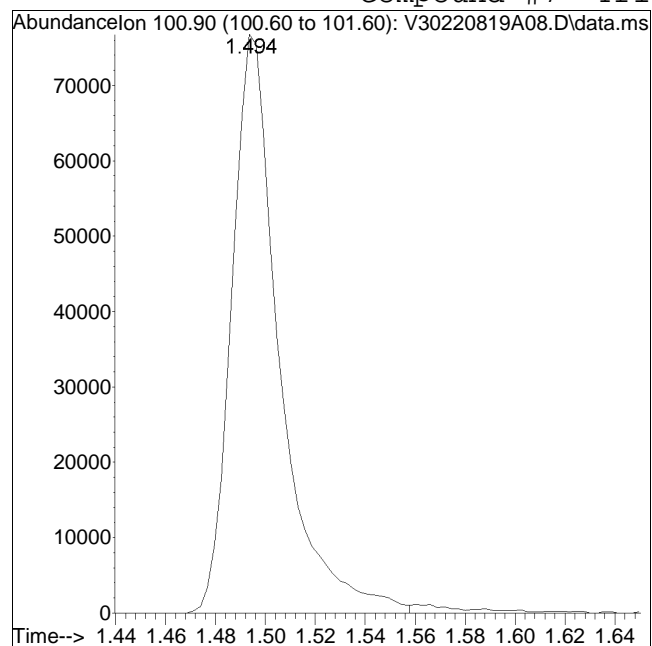
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 102531

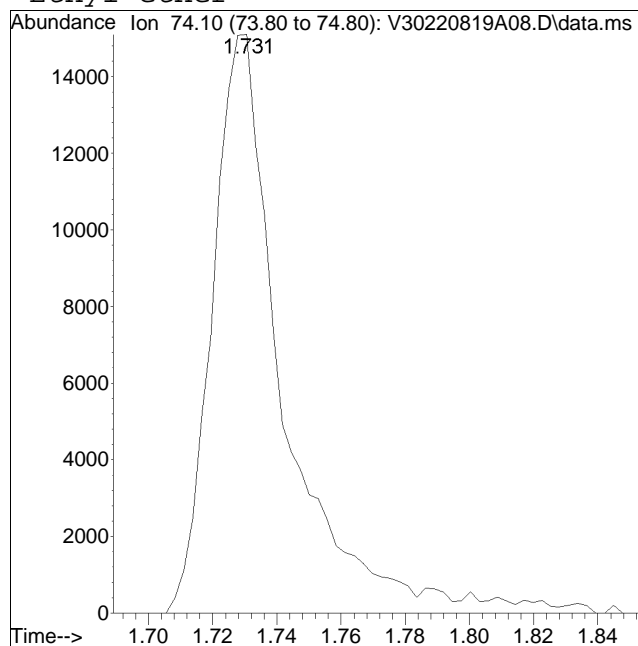
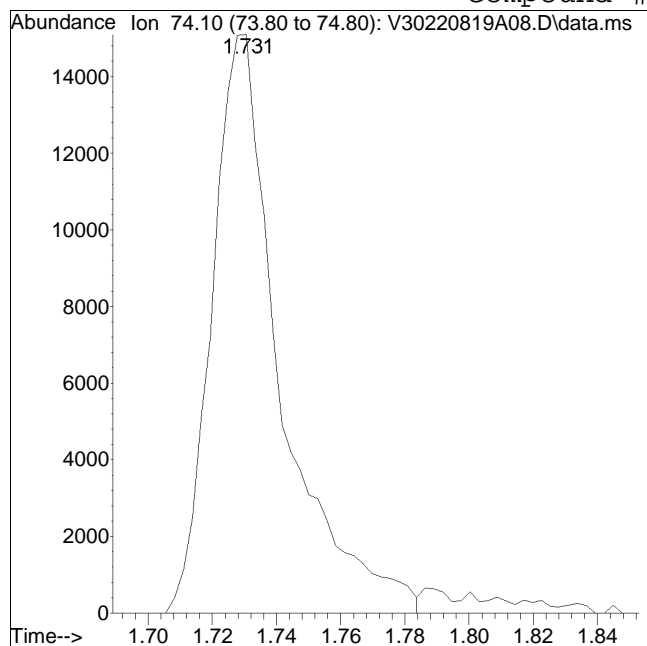
Manual Peak Response = 104496 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #8: Ethyl ether



Original Peak Response = 22400

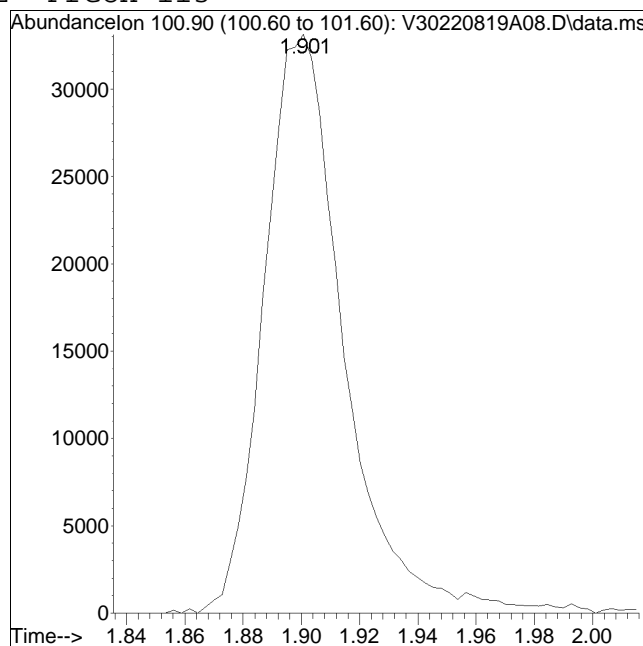
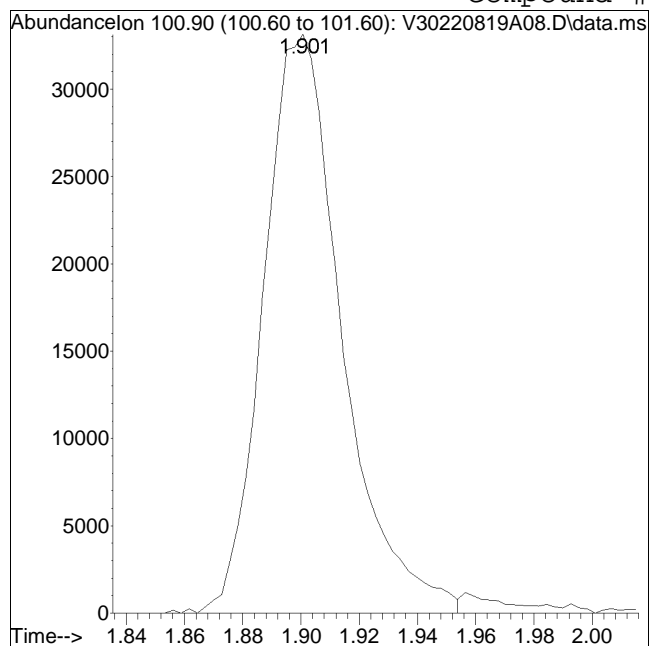
Manual Peak Response = 23492 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #12: Freon-113



Original Peak Response = 61918

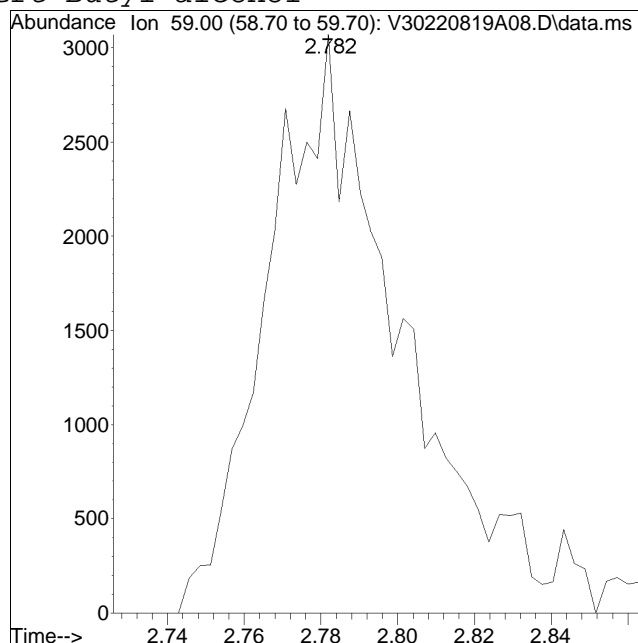
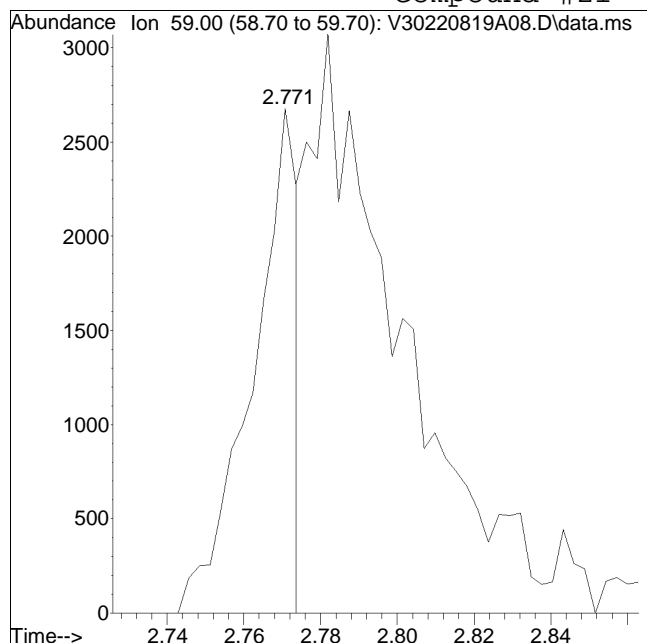
Manual Peak Response = 63390 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 2162

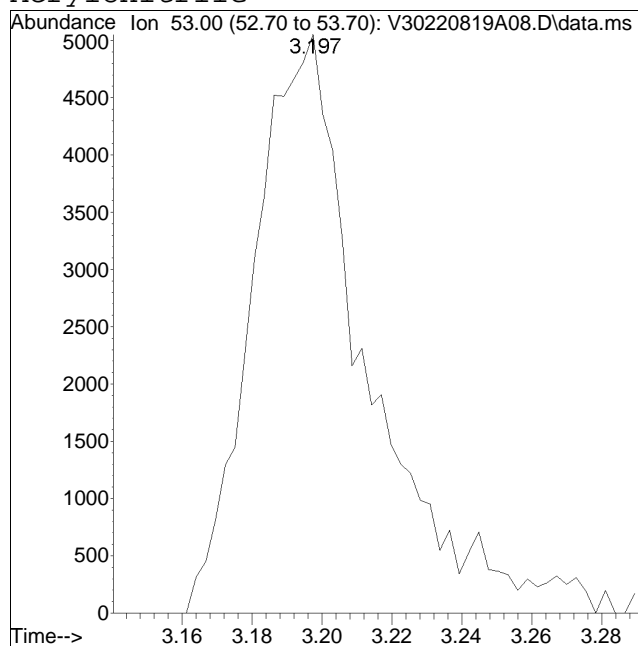
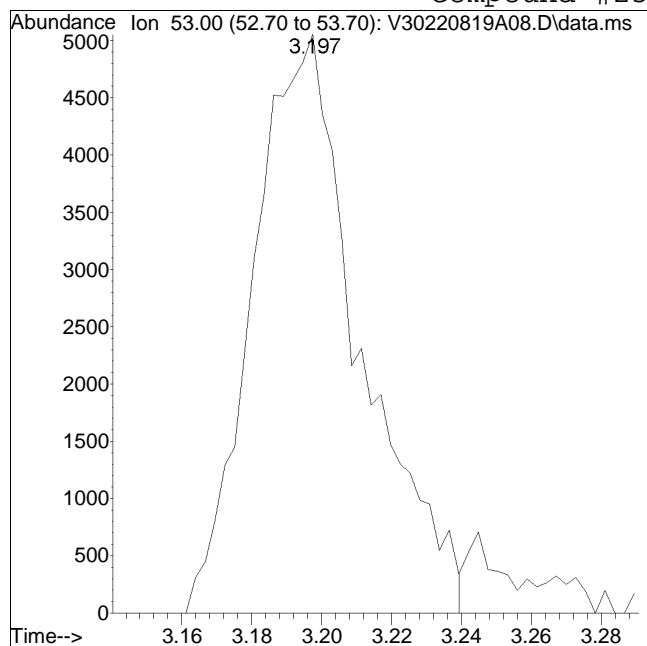
Manual Peak Response = 7421 M3

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\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #25: Acrylonitrile



Original Peak Response = 10757

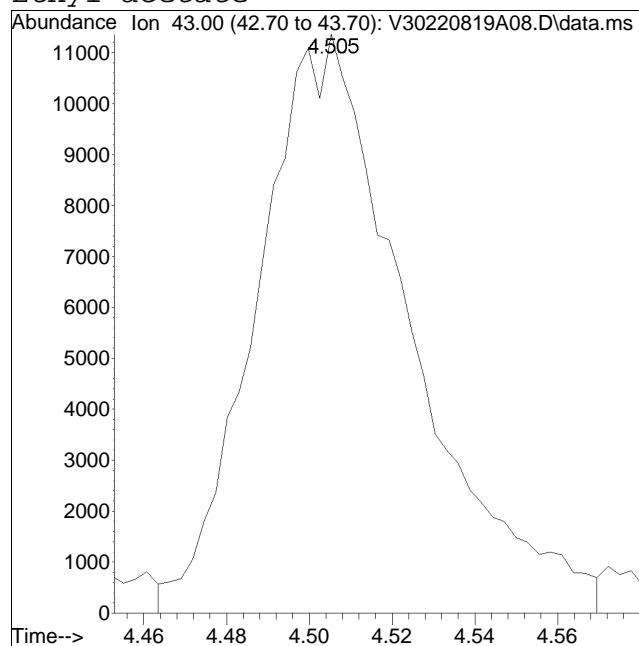
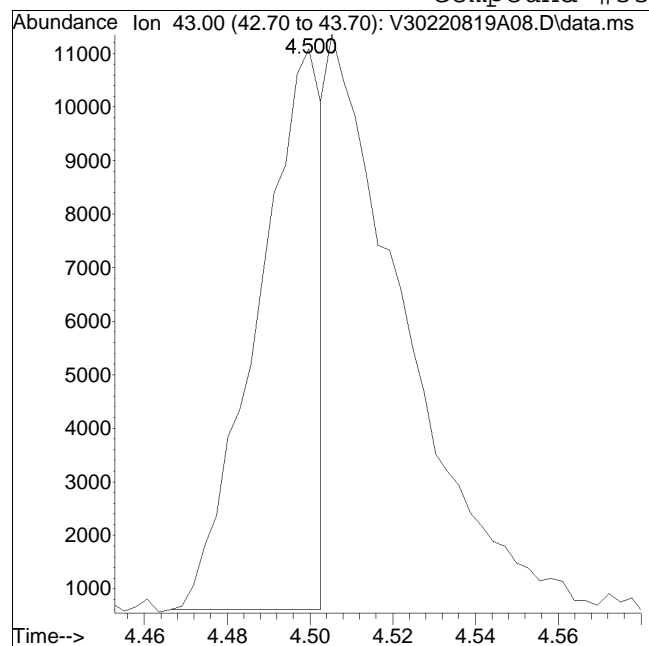
Manual Peak Response = 11491 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #33: Ethyl acetate



Original Peak Response = 11262

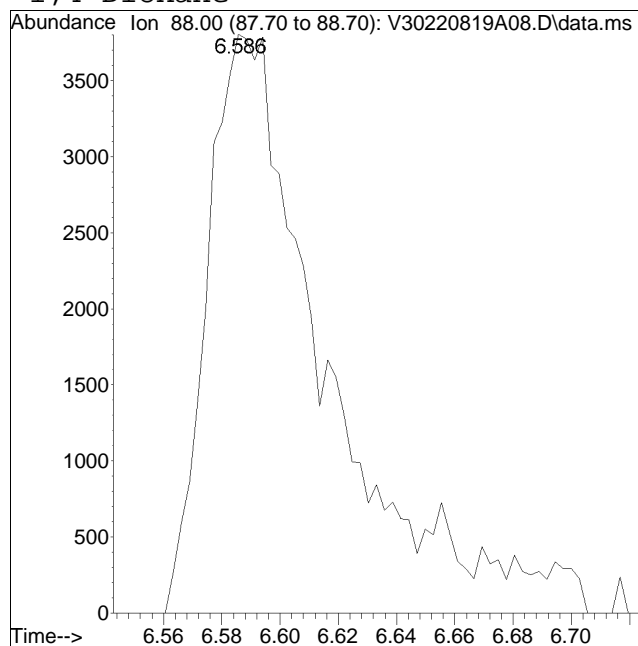
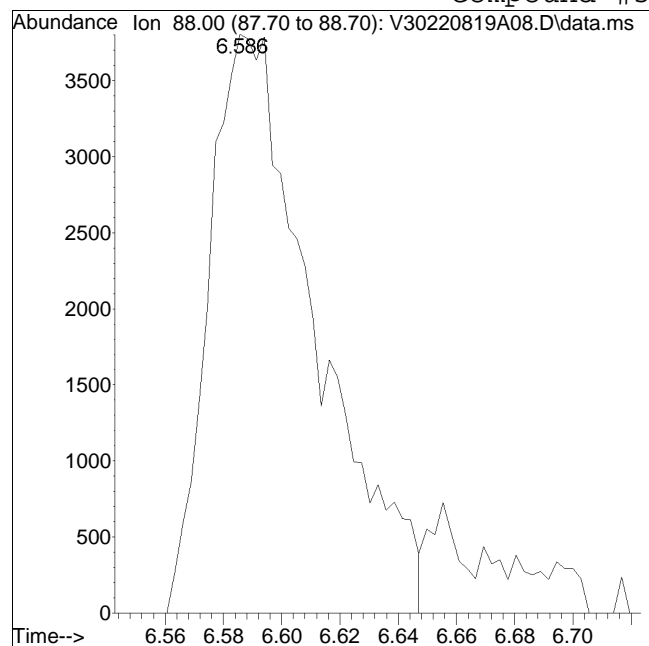
Manual Peak Response = 29178 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A08.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 3:54 pm Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/22/2022 1:33 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 9628

Manual Peak Response = 10809 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|--------------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.487 | 96 | 273855 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 267936 | | | Recovery = 102.21% | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 201013 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 196265 | | | Recovery = 102.42% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.990 | 152 | 102035 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 101565 | | | Recovery = 100.46% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.488 | 113 | 69981 | 9.761 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.61% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.135 | 65 | 79152 | 10.014 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.14% | | | |
| 60) Toluene-d8 | 7.199 | 98 | 261145 | 9.905 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.05% | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 96504 | 9.935 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.35% | | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 153509 | 24.729 | ug/L | 99 |
| 3) Chloromethane | 1.069 | 50 | 184407 | 26.742 | ug/L | 100 |
| 4) Vinyl chloride | 1.109 | 62 | 179132 | 25.671 | ug/L | 96 |
| 5) Bromomethane | 1.312 | 94 | 117780 | 25.736 | ug/L | 99 |
| 6) Chloroethane | 1.399 | 64 | 114933 | 27.105 | ug/L | 97 |
| 7) Trichlorofluoromethane | 1.493 | 101 | 269238 | 25.209 | ug/L | 96 |
| 8) Ethyl ether | 1.728 | 74 | 71047M1 | 29.589 | ug/L | |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 144856 | 25.546 | ug/L | 79 |
| 11) Carbon disulfide | 1.859 | 76 | 366899 | 26.617 | ug/L | 100 |
| 12) Freon-113 | 1.898 | 101 | 160359 | 24.750 | ug/L | 100 |
| 13) Iodomethane | 1.954 | 142 | 180681 | 31.071 | ug/L | 92 |
| 14) Acrolein | 2.132 | 56 | 16761M1 | 29.558 | ug/L | |
| 15) Methylene chloride | 2.341 | 84 | 166686 | 28.056 | ug/L | 80 |
| 17) Acetone | 2.402 | 43 | 24724 | 28.309 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 161269 | 26.525 | ug/L | 83 |
| 19) Methyl acetate | 2.534 | 43 | 66705 | 28.353 | ug/L | # 93 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 332161 | 30.694 | ug/L | 96 |
| 21) tert-Butyl alcohol | 2.773 | 59 | 24409M1 | 160.904 | ug/L | |
| 22) Diisopropyl ether | 3.052 | 45 | 569086 | 30.294 | ug/L | 92 |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 324897 | 27.236 | ug/L | 99 |
| 24) Halothane | 3.273 | 117 | 126906 | 27.334 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.192 | 53 | 35239M1 | 30.004 | ug/L | |
| 26) Ethyl tert-butyl ether | 3.498 | 59 | 453541 | 31.612 | ug/L | 94 |
| 27) Vinyl acetate | 3.498 | 43 | 288368 | 32.524 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 3.811 | 96 | 182813 | 27.469 | ug/L # | 78 |
| 29) 2,2-Dichloropropane | 3.947 | 77 | 211705 | 29.373 | ug/L # | 80 |
| 30) Bromochloromethane | 4.084 | 128 | 82256 | 28.733 | ug/L # | 67 |
| 31) Cyclohexane | 4.056 | 56 | 314752 | 25.875 | ug/L | 74 |
| 32) Chloroform | 4.249 | 83 | 320419 | 27.500 | ug/L | 98 |
| 33) Ethyl acetate | 4.505 | 43 | 95712M1 | 32.094 | ug/L | |
| 34) Carbon tetrachloride | 4.369 | 117 | 233247 | 27.235 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.441 | 42 | 25777 | 28.796 | ug/L # | 87 |
| 37) 1,1,1-Trichloroethane | 4.469 | 97 | 267451 | 26.623 | ug/L # | 98 |
| 39) 2-Butanone | 4.684 | 43 | 39403 | 30.792 | ug/L # | 73 |
| 40) 1,1-Dichloropropene | 4.645 | 75 | 227716 | 26.707 | ug/L | 97 |
| 41) Benzene | 4.957 | 78 | 675753 | 27.544 | ug/L | 93 |
| 42) tert-Amyl methyl ether | 5.197 | 73 | 364315 | 32.063 | ug/L | 96 |
| 44) 1,2-Dichloroethane | 5.222 | 62 | 238314 | 29.190 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.646 | 83 | 298219 | 26.631 | ug/L | 79 |
| 48) Trichloroethene | 5.685 | 95 | 180062 | 27.103 | ug/L | 99 |
| 50) Dibromomethane | 6.134 | 93 | 93298 | 28.793 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.245 | 63 | 183003 | 28.997 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.009 | 63 | 88876 | 30.497 | ug/L | 95 |
| 54) Bromodichloromethane | 6.354 | 83 | 244195 | 29.389 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.583 | 88 | 12750M1 | 577.039 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.018 | 75 | 262640 | 31.294 | ug/L | 97 |
| 61) Toluene | 7.246 | 92 | 427032 | 27.679 | ug/L | 97 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 38278 | 30.652 | ug/L # | 89 |
| 63) Tetrachloroethene | 7.603 | 166 | 177449 | 26.546 | ug/L | 94 |
| 65) trans-1,3-Dichloropropene | 7.673 | 75 | 209384 | 33.445 | ug/L | 99 |
| 67) Ethyl methacrylate | 7.865 | 69 | 147189 | 32.639 | ug/L | 98 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 107815 | 30.197 | ug/L | 97 |
| 69) Chlorodibromomethane | 7.938 | 129 | 160090 | 31.184 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.016 | 76 | 227470 | 29.881 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 123504 | 30.417 | ug/L | 99 |
| 72) 2-Hexanone | 8.342 | 43 | 63607 | 30.616 | ug/L | 96 |
| 73) Chlorobenzene | 8.512 | 112 | 469354 | 28.050 | ug/L | 92 |
| 74) Ethylbenzene | 8.554 | 91 | 829484 | 27.193 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.571 | 131 | 165044 | 30.944 | ug/L | 95 |
| 76) p/m Xylene | 8.663 | 106 | 632880 | 54.930 | ug/L | 99 |
| 77) o Xylene | 8.945 | 106 | 614466 | 55.470 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 78) Styrene | 8.984 | 104 | 1036343 | 57.124 | ug/L | 93 |
| 80) Bromoform | 8.984 | 173 | 91283 | 32.720 | ug/L | 98 |
| 82) Isopropylbenzene | 9.157 | 105 | 813238 | 27.384 | ug/L | 97 |
| 84) Bromobenzene | 9.377 | 156 | 197399 | 29.243 | ug/L | 99 |
| 85) n-Propylbenzene | 9.416 | 91 | 997436 | 27.570 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 228551 | 31.065 | ug/L | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 143708 | 30.304 | ug/L | 100 |
| 88) 4-Ethyltoluene | 9.486 | 105 | 816789 | 28.448 | ug/L | 98 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 688606 | 28.131 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 9.541 | 105 | 705927 | 28.536 | ug/L | 94 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 116419 | 30.704 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.567 | 53 | 41853 | 32.912 | ug/L | 96 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 615705 | 28.773 | ug/L | 96 |
| 94) tert-Butylbenzene | 9.726 | 119 | 598565 | 27.670 | ug/L | 94 |
| 97) 1,2,4-Trimethylbenzene | 9.767 | 105 | 693544 | 28.783 | ug/L | 96 |
| 98) sec-Butylbenzene | 9.832 | 105 | 905698 | 27.298 | ug/L | 99 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 773279 | 27.604 | ug/L | 97 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 382387 | 28.253 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 384810 | 28.868 | ug/L | 99 |
| 102) p-Diethylbenzene | 10.127 | 119 | 462562 | 28.332 | ug/L | 96 |
| 103) n-Butylbenzene | 10.161 | 91 | 722211 | 27.669 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.239 | 146 | 353288 | 28.874 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.582 | 119 | 715893 | 29.478 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 19771 | 32.448 | ug/L | 91 |
| 107) 1,3,5-Trichlorobenzene | 10.710 | 180 | 304634 | 28.530 | ug/L | 94 |
| 108) Hexachlorobutadiene | 11.059 | 225 | 133485 | 27.688 | ug/L | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 263860 | 29.351 | ug/L | 99 |
| 110) Naphthalene | 11.248 | 128 | 481564 | 30.174 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.351 | 180 | 234353 | 29.124 | ug/L | 99 |

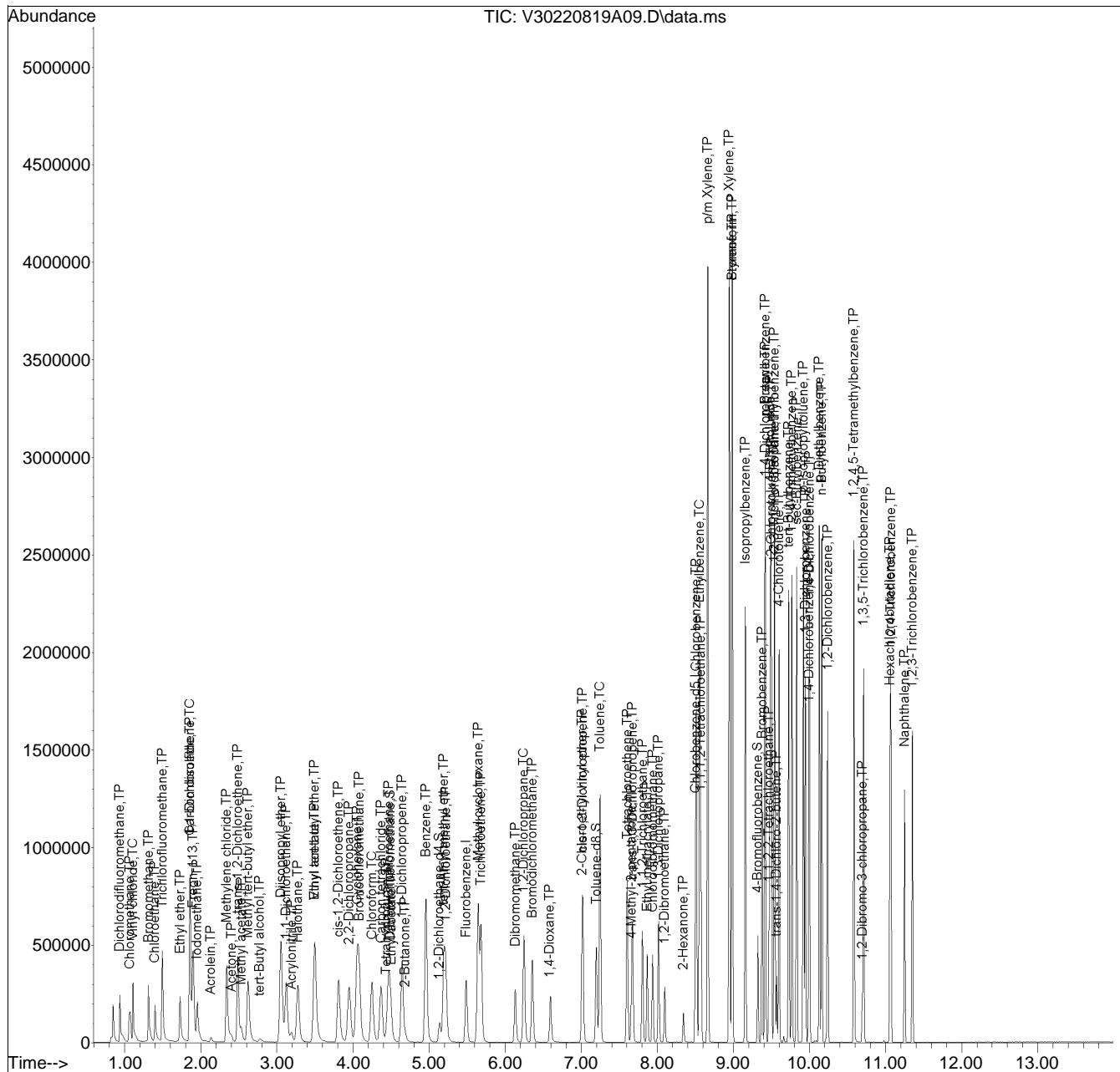
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A09.D
 Acq On : 19 Aug 2022 04:14 pm
 Operator : VOA130:MKS
 Sample : I8260STD30PPB
 Misc : WG1678209
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 13:34:34 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

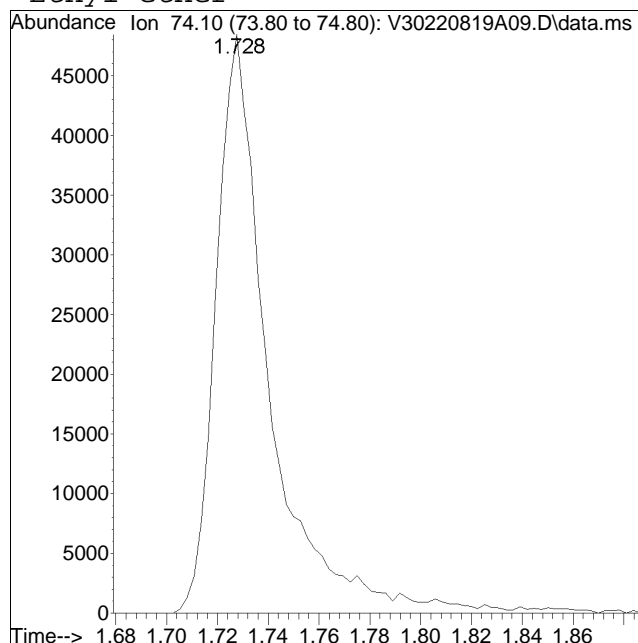
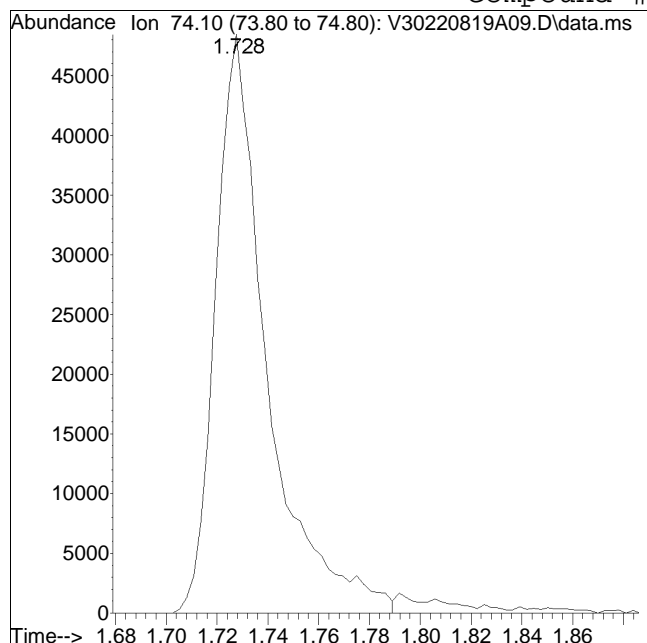
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #8: Ethyl ether



Original Peak Response = 68217

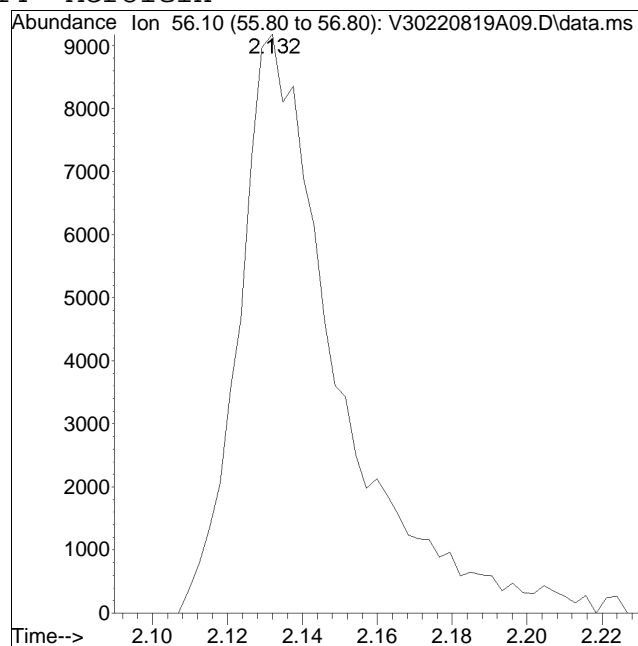
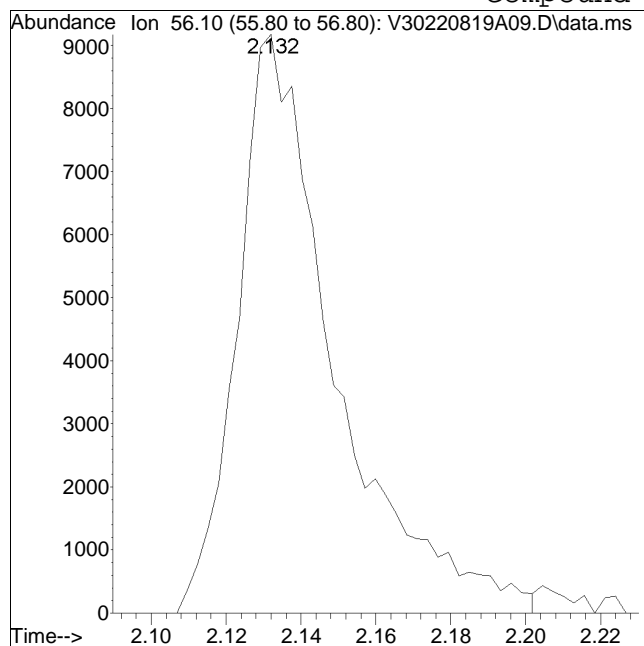
Manual Peak Response = 71047 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #14: Acrolein



Original Peak Response = 16513

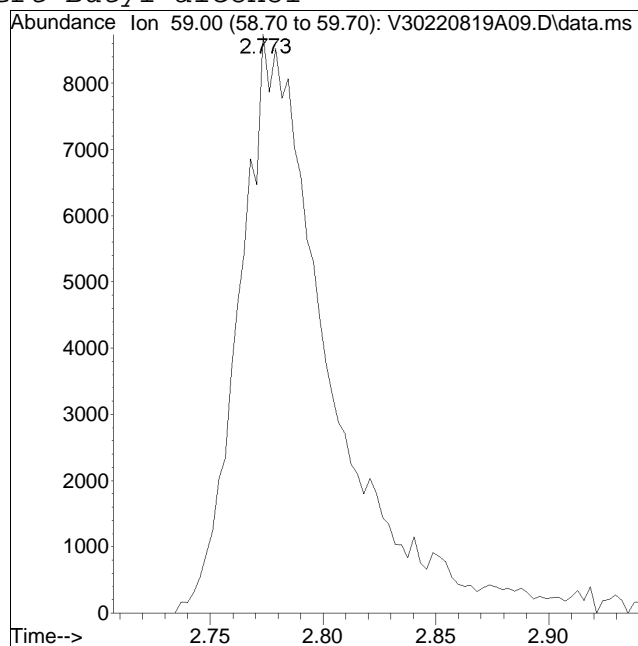
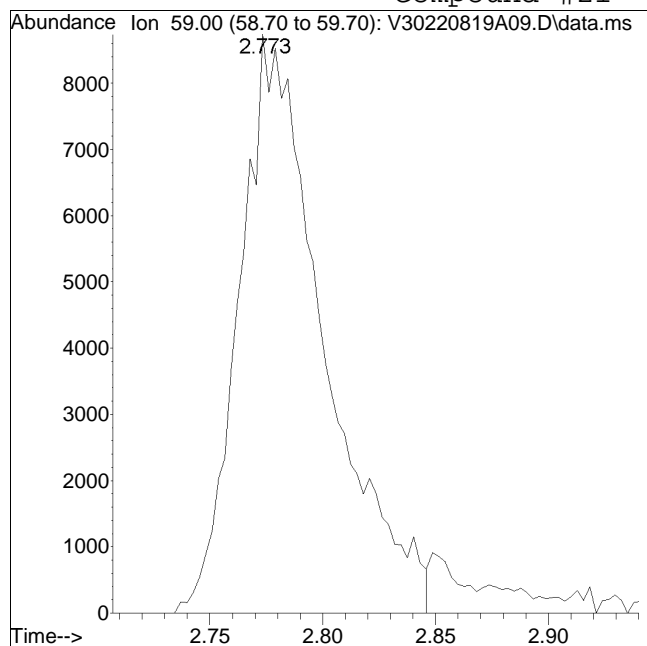
Manual Peak Response = 16761 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 22712

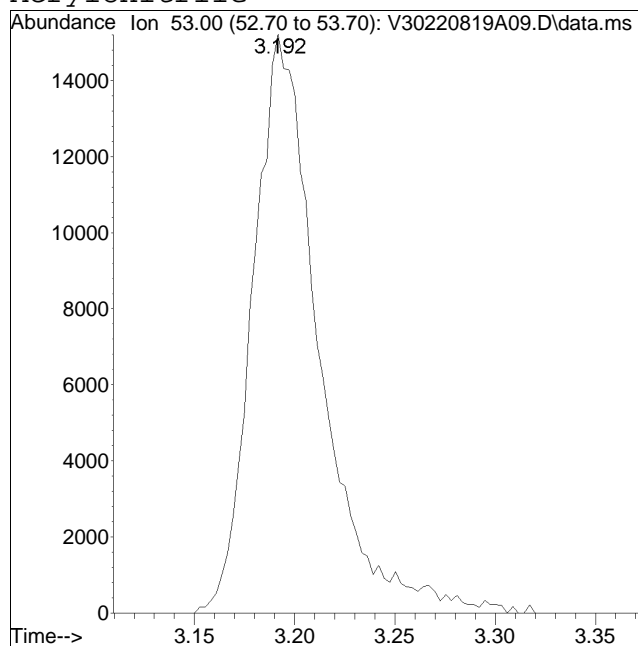
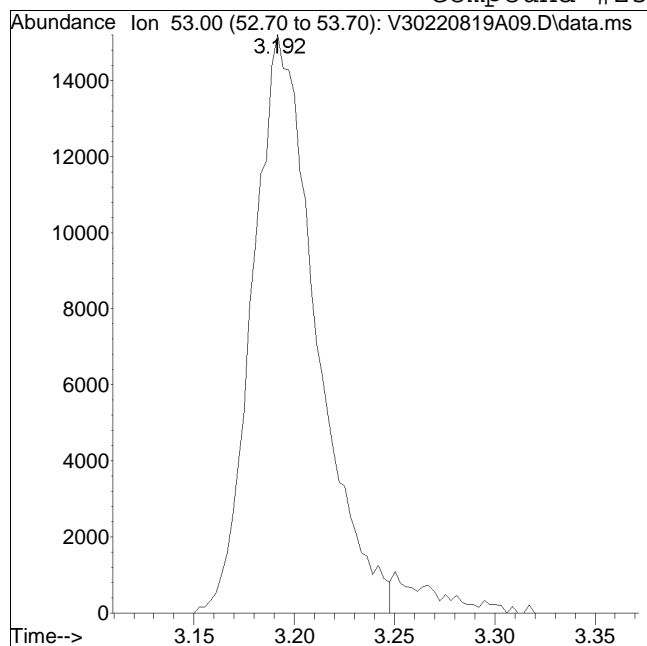
Manual Peak Response = 24409 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #25: Acrylonitrile



Original Peak Response = 33625

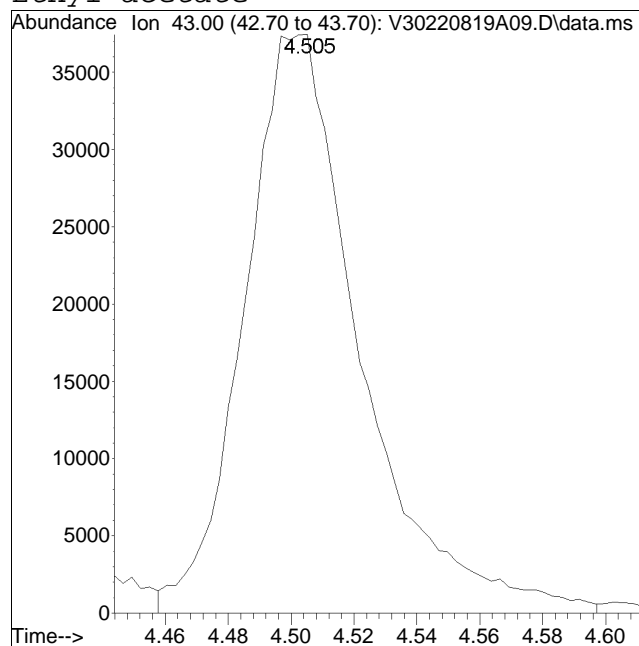
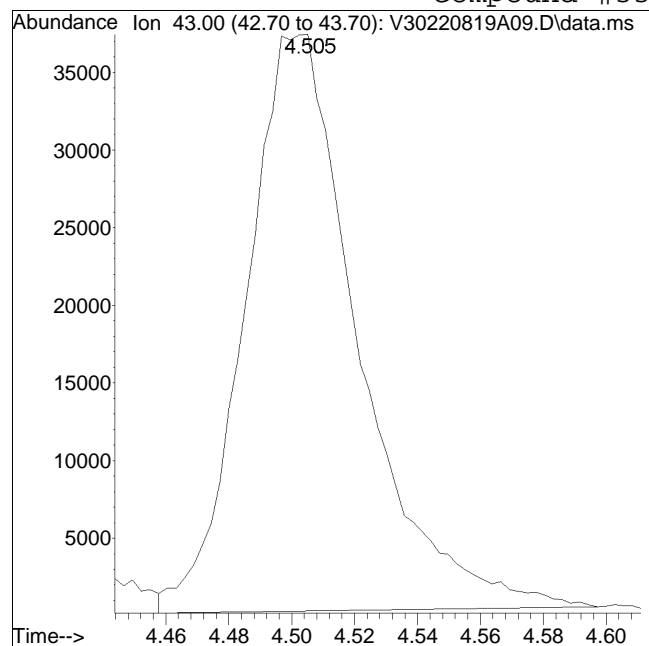
Manual Peak Response = 35239 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #33: Ethyl acetate



Original Peak Response = 92546

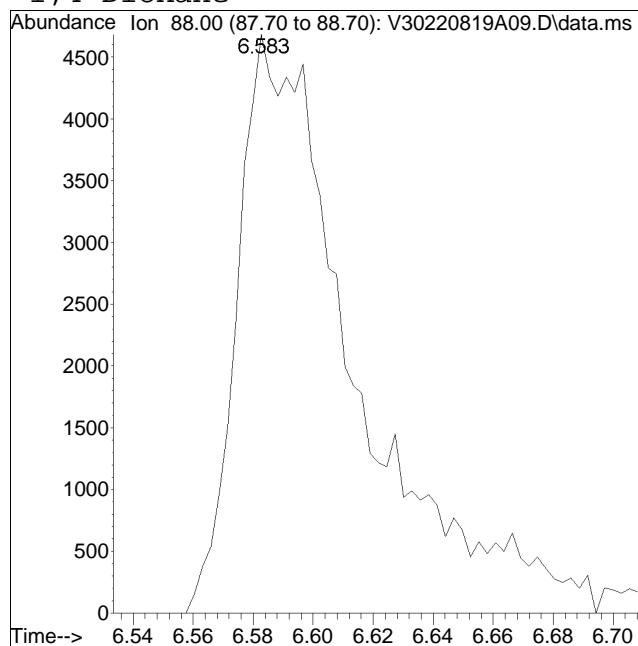
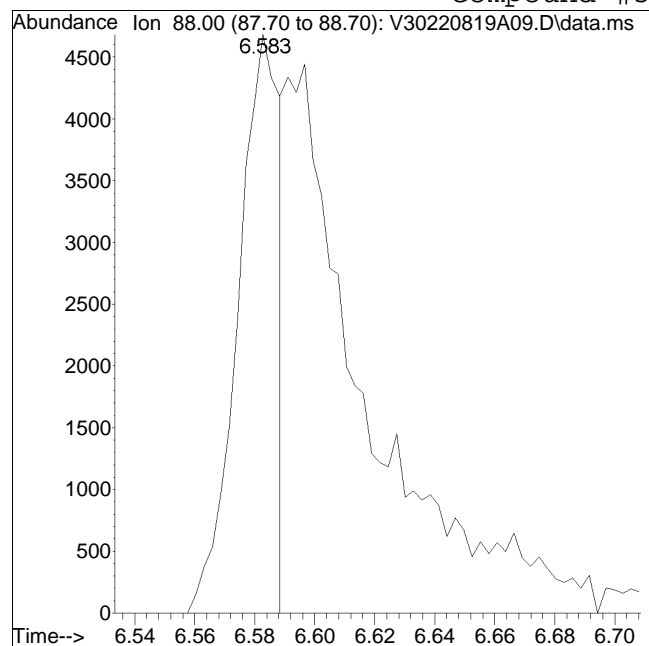
Manual Peak Response = 95712 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A09.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:14 pm Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 4506

Manual Peak Response = 12750 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.487 | 96 | 274941 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = 102.61% | | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 201862 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = 102.85% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 104752 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = 103.14% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.494 | 113 | 70389 | 9.779 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.79% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.135 | 65 | 80573 | 10.153 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.53% | | | | |
| 60) Toluene-d8 | 7.199 | 98 | 264890 | 10.005 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.05% | | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 98065 | 9.834 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.34% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 467104 | 74.950 | ug/L | | 100 |
| 3) Chloromethane | 1.070 | 50 | 520774 | 75.222 | ug/L | | 100 |
| 4) Vinyl chloride | 1.109 | 62 | 524292 | 74.839 | ug/L | | 96 |
| 5) Bromomethane | 1.312 | 94 | 325857 | 70.921 | ug/L | | 98 |
| 6) Chloroethane | 1.399 | 64 | 328406 | 77.144 | ug/L | | 97 |
| 7) Trichlorofluoromethane | 1.493 | 101 | 801790 | 74.774 | ug/L | | 97 |
| 8) Ethyl ether | 1.728 | 74 | 197207 | 81.808 | ug/L | | 78 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 423336 | 74.363 | ug/L | | 78 |
| 11) Carbon disulfide | 1.859 | 76 | 1047349 | 75.682 | ug/L | | 99 |
| 12) Freon-113 | 1.898 | 101 | 486665 | 74.817 | ug/L | | 99 |
| 13) Iodomethane | 1.954 | 142 | 522483 | 89.493 | ug/L | | 92 |
| 14) Acrolein | 2.132 | 56 | 46753 | 82.123 | ug/L | | 90 |
| 15) Methylene chloride | 2.341 | 84 | 455430 | 76.355 | ug/L | | 79 |
| 17) Acetone | 2.403 | 43 | 68470 | 78.087 | ug/L | | 99 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 451759 | 74.011 | ug/L | | 83 |
| 19) Methyl acetate | 2.534 | 43 | 193956 | 82.116 | ug/L | # | 93 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 959220 | 88.289 | ug/L | | 96 |
| 21) tert-Butyl alcohol | 2.776 | 59 | 73652M1 | 483.597 | ug/L | | |
| 22) Diisopropyl ether | 3.052 | 45 | 1633377 | 86.605 | ug/L | | 92 |
| 23) 1,1-Dichloroethane | 3.125 | 63 | 893919 | 74.640 | ug/L | | 98 |
| 24) Halothane | 3.273 | 117 | 364253 | 78.146 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.192 | 53 | 98285 | 83.353 | ug/L | 97 |
| 26) Ethyl tert-butyl ether | 3.496 | 59 | 1350474 | 93.756 | ug/L | 93 |
| 27) Vinyl acetate | 3.498 | 43 | 889306 | 99.904 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 3.811 | 96 | 509888 | 76.311 | ug/L # | 77 |
| 29) 2,2-Dichloropropane | 3.953 | 77 | 667063 | 92.185 | ug/L | 88 |
| 30) Bromochloromethane | 4.084 | 128 | 225621 | 78.501 | ug/L # | 66 |
| 31) Cyclohexane | 4.059 | 56 | 942201 | 77.149 | ug/L | 75 |
| 32) Chloroform | 4.249 | 83 | 878178 | 75.072 | ug/L | 98 |
| 33) Ethyl acetate | 4.497 | 43 | 277964M1 | 92.838 | ug/L | |
| 34) Carbon tetrachloride | 4.369 | 117 | 712030 | 82.811 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.433 | 42 | 67706 | 75.338 | ug/L # | 62 |
| 37) 1,1,1-Trichloroethane | 4.472 | 97 | 781870 | 77.522 | ug/L # | 97 |
| 39) 2-Butanone | 4.684 | 43 | 114849 | 89.395 | ug/L # | 80 |
| 40) 1,1-Dichloropropene | 4.645 | 75 | 664818 | 77.662 | ug/L | 97 |
| 41) Benzene | 4.960 | 78 | 1897356 | 77.031 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.194 | 73 | 1099571 | 96.390 | ug/L | 97 |
| 44) 1,2-Dichloroethane | 5.219 | 62 | 660213 | 80.548 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.649 | 83 | 915158 | 81.401 | ug/L # | 79 |
| 48) Trichloroethene | 5.682 | 95 | 511140 | 76.632 | ug/L | 99 |
| 50) Dibromomethane | 6.134 | 93 | 265210 | 81.523 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.248 | 63 | 512980 | 80.962 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.009 | 63 | 260517 | 89.040 | ug/L | 94 |
| 54) Bromodichloromethane | 6.357 | 83 | 687067 | 82.363 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.586 | 88 | 16013M1 | 721.853 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.018 | 75 | 773509 | 91.802 | ug/L | 97 |
| 61) Toluene | 7.246 | 92 | 1202878 | 77.640 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 114134 | 91.011 | ug/L # | 92 |
| 63) Tetrachloroethene | 7.603 | 166 | 520107 | 77.478 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 644794 | 102.560 | ug/L | 98 |
| 67) Ethyl methacrylate | 7.868 | 69 | 444927 | 98.247 | ug/L | 98 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 301993 | 84.226 | ug/L | 96 |
| 69) Chlorodibromomethane | 7.938 | 129 | 462435 | 89.700 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.016 | 76 | 638635 | 83.541 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 350780 | 86.029 | ug/L | 99 |
| 72) 2-Hexanone | 8.342 | 43 | 188702 | 90.446 | ug/L | 96 |
| 73) Chlorobenzene | 8.513 | 112 | 1305352 | 77.683 | ug/L | 92 |
| 74) Ethylbenzene | 8.554 | 91 | 2323930 | 75.864 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.571 | 131 | 488640 | 91.229 | ug/L | 96 |
| 76) p/m Xylene | 8.663 | 106 | 1757883 | 151.931 | ug/L | 97 |
| 77) o Xylene | 8.948 | 106 | 1702579 | 153.053 | ug/L | 92 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 78) Styrene | 8.984 | 104 | 2795360 | 153.435 | ug/L | 95 |
| 80) Bromoform | 8.984 | 173 | 270535 | 94.456 | ug/L | 96 |
| 82) Isopropylbenzene | 9.157 | 105 | 2287791 | 75.039 | ug/L | 97 |
| 84) Bromobenzene | 9.377 | 156 | 540325 | 77.970 | ug/L | 98 |
| 85) n-Propylbenzene | 9.416 | 91 | 2777227 | 74.773 | ug/L | 97 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 647165 | 85.683 | ug/L | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 404981 | 83.185 | ug/L | 100 |
| 88) 4-Ethyltoluene | 9.486 | 105 | 2273937 | 77.145 | ug/L | 98 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 1893242 | 75.337 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 9.542 | 105 | 1945765 | 76.614 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 328274 | 84.332 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.569 | 53 | 124508 | 95.370 | ug/L | 90 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 1691271 | 76.987 | ug/L | 96 |
| 94) tert-Butylbenzene | 9.726 | 119 | 1665383 | 74.989 | ug/L | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.767 | 105 | 1927945 | 77.937 | ug/L | 95 |
| 98) sec-Butylbenzene | 9.832 | 105 | 2533253 | 74.372 | ug/L | 98 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 2185290 | 75.986 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 1059673 | 76.264 | ug/L | 100 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 1049937 | 76.721 | ug/L | 99 |
| 102) p-Diethylbenzene | 10.127 | 119 | 1324567 | 79.025 | ug/L | 96 |
| 103) n-Butylbenzene | 10.161 | 91 | 2040265 | 76.137 | ug/L | 98 |
| 104) 1,2-Dichlorobenzene | 10.239 | 146 | 975897 | 77.690 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.585 | 119 | 2035935 | 81.657 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 59775 | 95.559 | ug/L | 93 |
| 107) 1,3,5-Trichlorobenzene | 10.713 | 180 | 844180 | 77.010 | ug/L | 95 |
| 108) Hexachlorobutadiene | 11.059 | 225 | 391047 | 79.009 | ug/L | 96 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 733200 | 79.443 | ug/L | 98 |
| 110) Naphthalene | 11.248 | 128 | 1314039 | 80.201 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.351 | 180 | 649601 | 78.635 | ug/L | 100 |

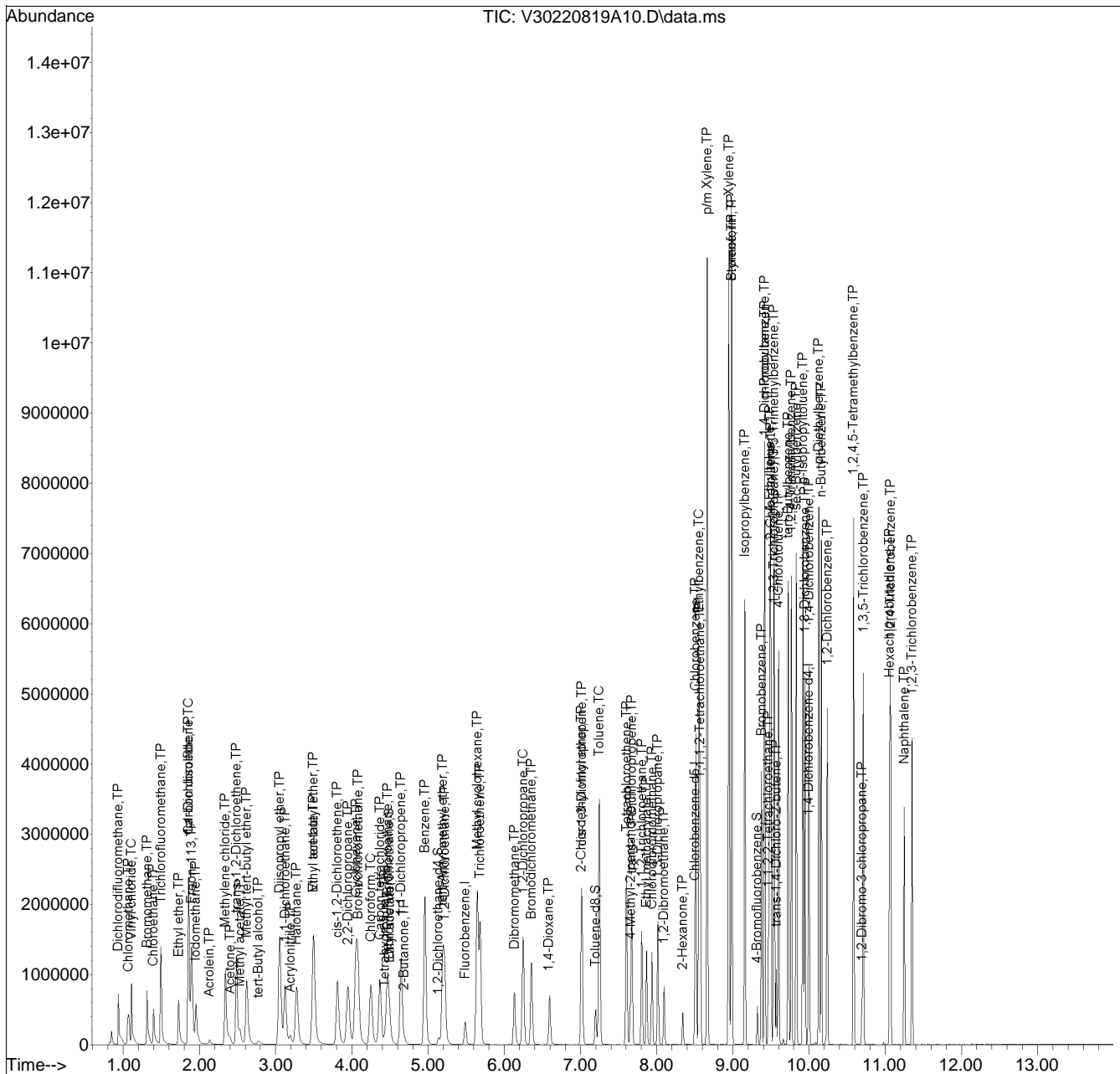
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A10.D
 Acq On : 19 Aug 2022 04:33 pm
 Operator : VOA130:MKS
 Sample : I8260STD80PPB
 Misc : WG1678209
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 13:35:17 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

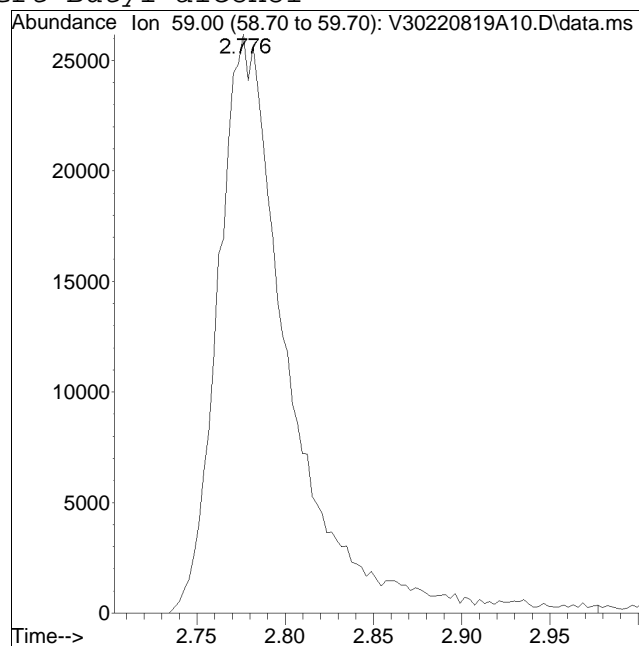
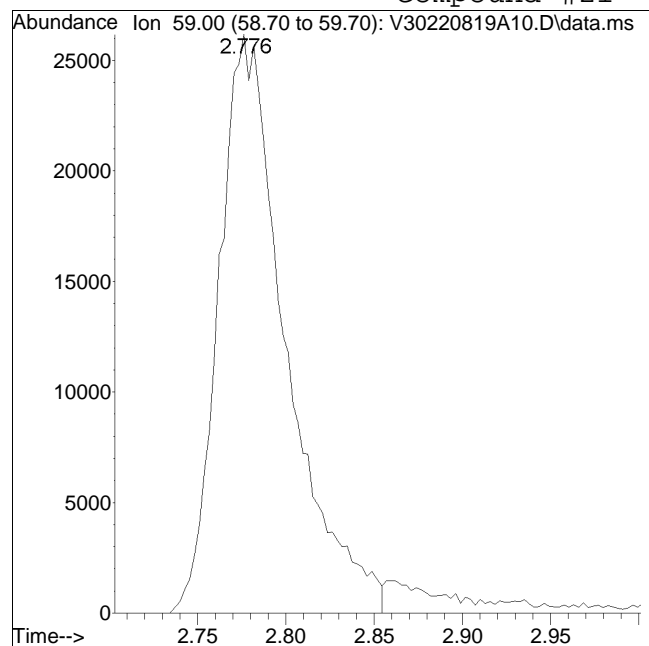
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 68954

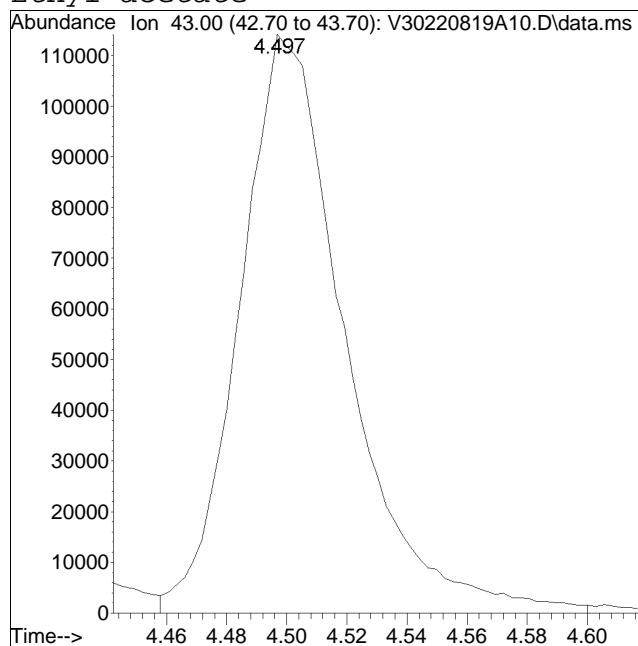
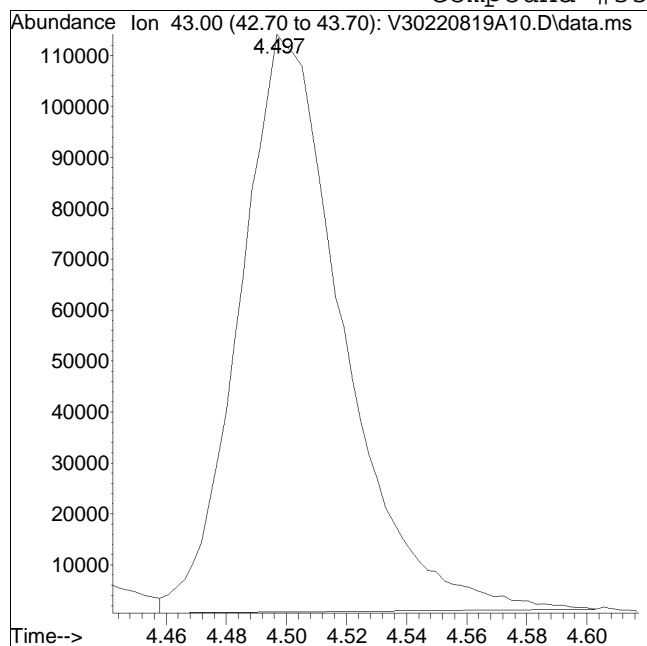
Manual Peak Response = 73652 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #33: Ethyl acetate



Original Peak Response = 270265

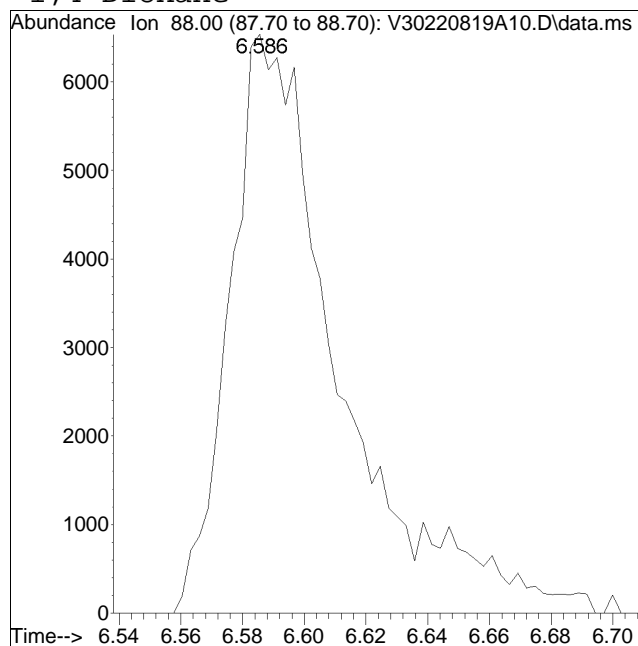
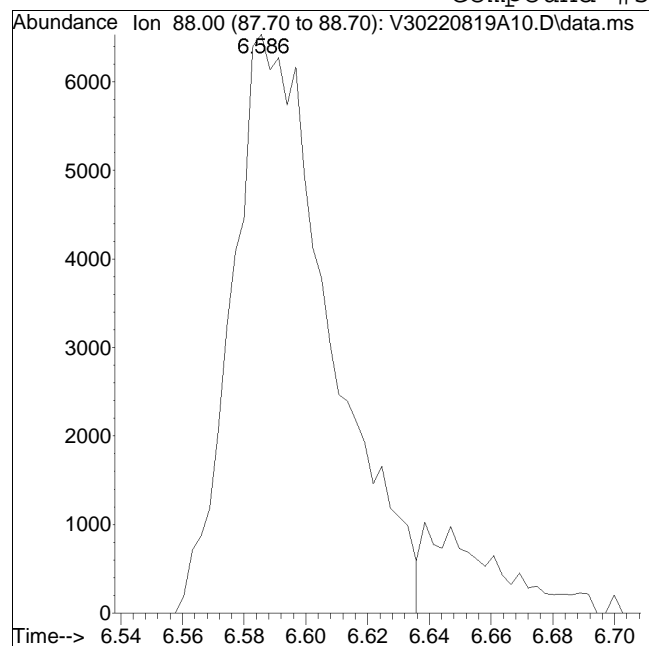
Manual Peak Response = 277964 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A10.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:33 pm Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 14371

Manual Peak Response = 16013 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.487 | 96 | 278821 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = | 104.06% | | | |
| 59) Chlorobenzene-d5 | 8.501 | 117 | 207129 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = | 105.54% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 105486 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = | 103.86% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.489 | 113 | 71646 | 9.815 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.15% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 81409 | 10.116 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.16% | | | |
| 60) Toluene-d8 | 7.196 | 98 | 269766 | 9.930 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.30% | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 98853 | 9.844 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.44% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 685091 | 108.398 | ug/L | | 99 |
| 3) Chloromethane | 1.067 | 50 | 787764 | 112.203 | ug/L | | 99 |
| 4) Vinyl chloride | 1.109 | 62 | 774004 | 108.946 | ug/L | | 96 |
| 5) Bromomethane | 1.312 | 94 | 499347 | 107.167 | ug/L | | 98 |
| 6) Chloroethane | 1.399 | 64 | 493544 | 114.322 | ug/L | | 98 |
| 7) Trichlorofluoromethane | 1.493 | 101 | 1181331 | 108.637 | ug/L | | 97 |
| 8) Ethyl ether | 1.728 | 74 | 296602 | 121.328 | ug/L | | 78 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 634166 | 109.847 | ug/L | | 77 |
| 11) Carbon disulfide | 1.862 | 76 | 1566114 | 111.593 | ug/L | | 98 |
| 12) Freon-113 | 1.898 | 101 | 710232 | 107.668 | ug/L | | 100 |
| 13) Iodomethane | 1.954 | 142 | 786188 | 132.788 | ug/L | | 92 |
| 14) Acrolein | 2.135 | 56 | 72025 | 124.753 | ug/L | | 95 |
| 15) Methylene chloride | 2.341 | 84 | 684930 | 113.233 | ug/L | | 79 |
| 17) Acetone | 2.400 | 43 | 100131 | 112.606 | ug/L | | 99 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 678989 | 109.690 | ug/L | | 83 |
| 19) Methyl acetate | 2.531 | 43 | 288561 | 120.469 | ug/L | # | 92 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 1448544 | 131.473 | ug/L | | 97 |
| 21) tert-Butyl alcohol | 2.773 | 59 | 117499M1 | 760.759 | ug/L | | |
| 22) Diisopropyl ether | 3.052 | 45 | 2474440 | 129.375 | ug/L | | 93 |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 1348731 | 111.049 | ug/L | | 99 |
| 24) Halothane | 3.275 | 117 | 541628 | 114.583 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|----------|--------|----------|
| 25) Acrylonitrile | 3.192 | 53 | 143918 | 120.355 | ug/L | 96 |
| 26) Ethyl tert-butyl ether | 3.496 | 59 | 2098992 | 143.693 | ug/L | 93 |
| 27) Vinyl acetate | 3.499 | 43 | 1382728 | 153.173 | ug/L # | 96 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 768454 | 113.408 | ug/L # | 77 |
| 29) 2,2-Dichloropropane | 3.950 | 77 | 1026827 | 139.927 | ug/L | 90 |
| 30) Bromochloromethane | 4.087 | 128 | 339264 | 116.398 | ug/L # | 65 |
| 31) Cyclohexane | 4.059 | 56 | 1400744 | 113.099 | ug/L | 74 |
| 32) Chloroform | 4.251 | 83 | 1331773 | 112.263 | ug/L | 98 |
| 33) Ethyl acetate | 4.500 | 43 | 414253 | 136.432 | ug/L # | 94 |
| 34) Carbon tetrachloride | 4.369 | 117 | 1064649 | 122.098 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.436 | 42 | 102516 | 112.484 | ug/L # | 60 |
| 37) 1,1,1-Trichloroethane | 4.469 | 97 | 1172461 | 114.631 | ug/L # | 96 |
| 39) 2-Butanone | 4.684 | 43 | 171225 | 131.422 | ug/L # | 78 |
| 40) 1,1-Dichloropropene | 4.647 | 75 | 995382 | 114.659 | ug/L | 97 |
| 41) Benzene | 4.960 | 78 | 2854561 | 114.280 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.194 | 73 | 1688514 | 145.958 | ug/L | 96 |
| 44) 1,2-Dichloroethane | 5.222 | 62 | 997068 | 119.952 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.646 | 83 | 1353729 | 118.735 | ug/L # | 79 |
| 48) Trichloroethene | 5.685 | 95 | 769614 | 113.778 | ug/L | 99 |
| 50) Dibromomethane | 6.131 | 93 | 395830 | 119.981 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.245 | 63 | 776664 | 120.873 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.009 | 63 | 394659 | 133.010 | ug/L | 94 |
| 54) Bromodichloromethane | 6.357 | 83 | 1038386 | 122.746 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.588 | 88 | 24600M1 | 1093.516 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.021 | 75 | 1191420 | 139.432 | ug/L | 96 |
| 61) Toluene | 7.249 | 92 | 1811334 | 113.940 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 170461 | 132.470 | ug/L # | 93 |
| 63) Tetrachloroethene | 7.603 | 166 | 779677 | 113.192 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 999742 | 154.973 | ug/L | 98 |
| 67) Ethyl methacrylate | 7.868 | 69 | 671869 | 144.587 | ug/L | 99 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 452446 | 122.978 | ug/L | 96 |
| 69) Chlorodibromomethane | 7.938 | 129 | 697097 | 131.780 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.016 | 76 | 957468 | 122.063 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 528106 | 126.225 | ug/L | 99 |
| 72) 2-Hexanone | 8.342 | 43 | 281045 | 131.281 | ug/L | 96 |
| 73) Chlorobenzene | 8.513 | 112 | 1963067 | 113.853 | ug/L | 92 |
| 74) Ethylbenzene | 8.557 | 91 | 3436202 | 109.321 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.574 | 131 | 735283 | 133.786 | ug/L | 95 |
| 76) p/m Xylene | 8.666 | 106 | 2593765 | 218.475 | ug/L | 94 |
| 77) o Xylene | 8.948 | 106 | 2513047 | 220.165 | ug/L | 90 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 78) Styrene | 8.987 | 104 | 4087814 | 218.672 | ug/L | 96 |
| 80) Bromoform | 8.987 | 173 | 408404 | 141.600 | ug/L | 97 |
| 82) Isopropylbenzene | 9.157 | 105 | 3352574 | 109.198 | ug/L | 96 |
| 84) Bromobenzene | 9.377 | 156 | 808000 | 115.784 | ug/L | 98 |
| 85) n-Propylbenzene | 9.416 | 91 | 4022138 | 107.537 | ug/L | 96 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 957673 | 125.912 | ug/L | 97 |
| 87) 1,1,2,2-Tetrachloroethane | 9.469 | 83 | 603610 | 123.122 | ug/L | 99 |
| 88) 4-Ethyltoluene | 9.489 | 105 | 3337508 | 112.439 | ug/L | 97 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 2796646 | 110.512 | ug/L | 97 |
| 90) 1,3,5-Trimethylbenzene | 9.542 | 105 | 2881861 | 112.683 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 487950 | 124.480 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.569 | 53 | 189951 | 144.486 | ug/L | 89 |
| 93) 4-Chlorotoluene | 9.600 | 91 | 2508638 | 113.399 | ug/L | 96 |
| 94) tert-Butylbenzene | 9.726 | 119 | 2468176 | 110.364 | ug/L | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.770 | 105 | 2846819 | 114.282 | ug/L | 94 |
| 98) sec-Butylbenzene | 9.832 | 105 | 3694629 | 107.713 | ug/L | 97 |
| 99) p-Isopropyltoluene | 9.921 | 119 | 3210743 | 110.866 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 1562170 | 111.647 | ug/L | 100 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 1574853 | 114.278 | ug/L | 99 |
| 102) p-Diethylbenzene | 10.130 | 119 | 1967506 | 116.567 | ug/L | 97 |
| 103) n-Butylbenzene | 10.161 | 91 | 2992267 | 110.887 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 10.239 | 146 | 1436913 | 113.595 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.585 | 119 | 3040622 | 121.104 | ug/L | 99 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 88834 | 141.026 | ug/L | 90 |
| 107) 1,3,5-Trichlorobenzene | 10.713 | 180 | 1259403 | 114.089 | ug/L | 96 |
| 108) Hexachlorobutadiene | 11.059 | 225 | 598336 | 120.050 | ug/L | 95 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 1089147 | 117.189 | ug/L | 99 |
| 110) Naphthalene | 11.251 | 128 | 1964207 | 119.049 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.351 | 180 | 978957 | 117.680 | ug/L | 100 |

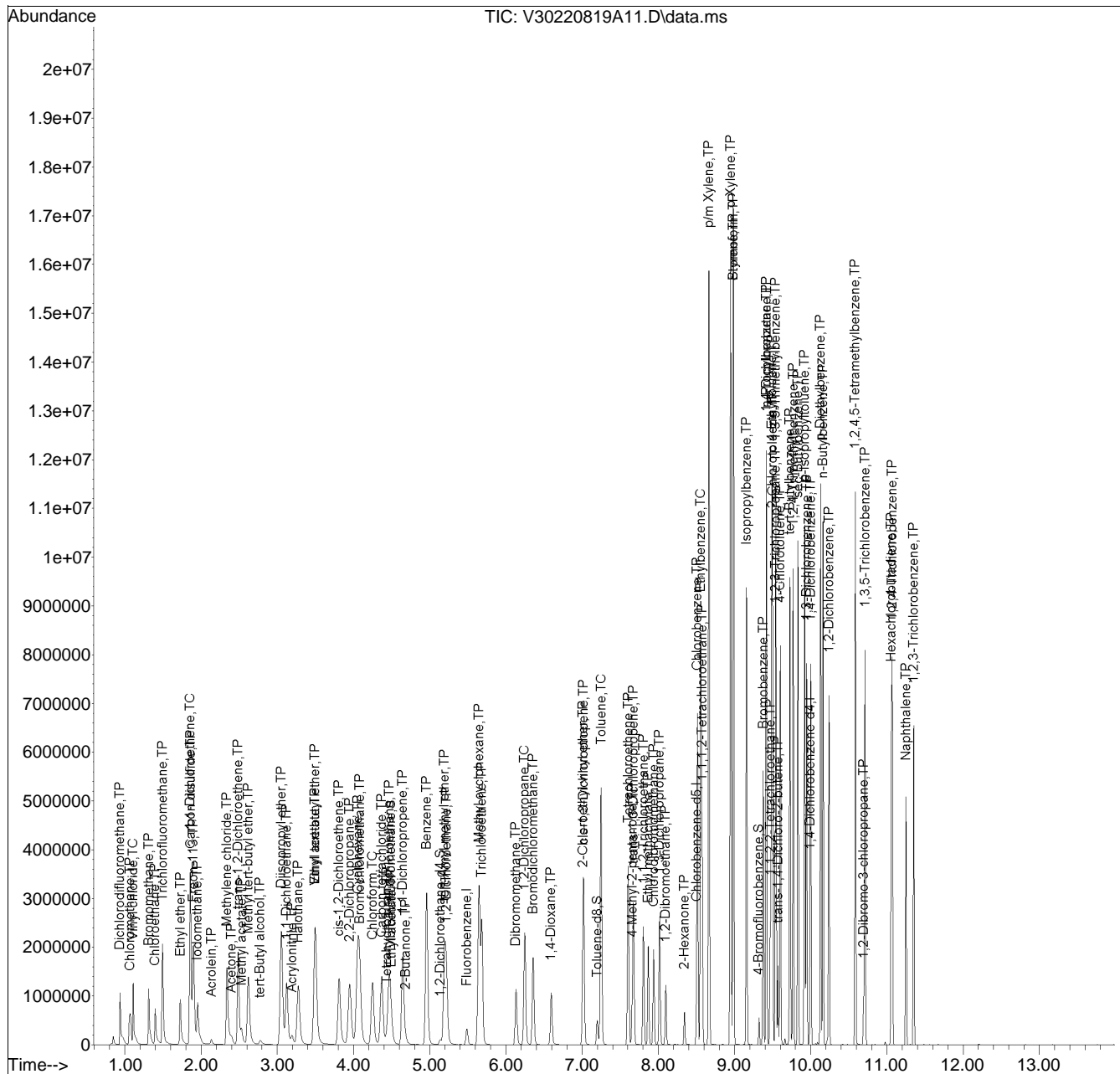
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A11.D
 Acq On : 19 Aug 2022 04:53 pm
 Operator : VOA130:MKS
 Sample : I8260STD120PPB
 Misc : WG1678209
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 13:35:59 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

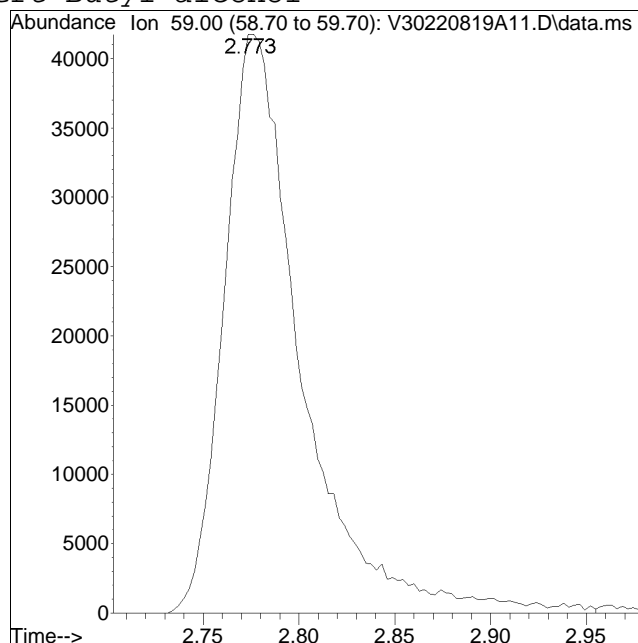
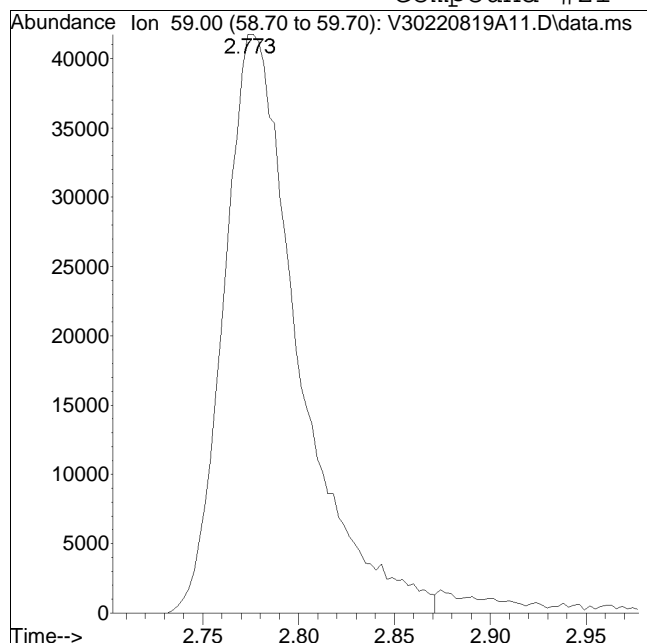
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A11.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:53 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 113432

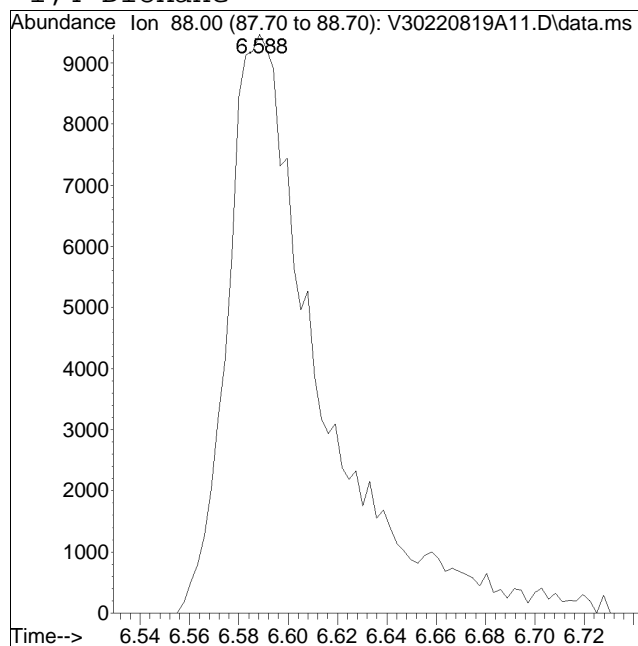
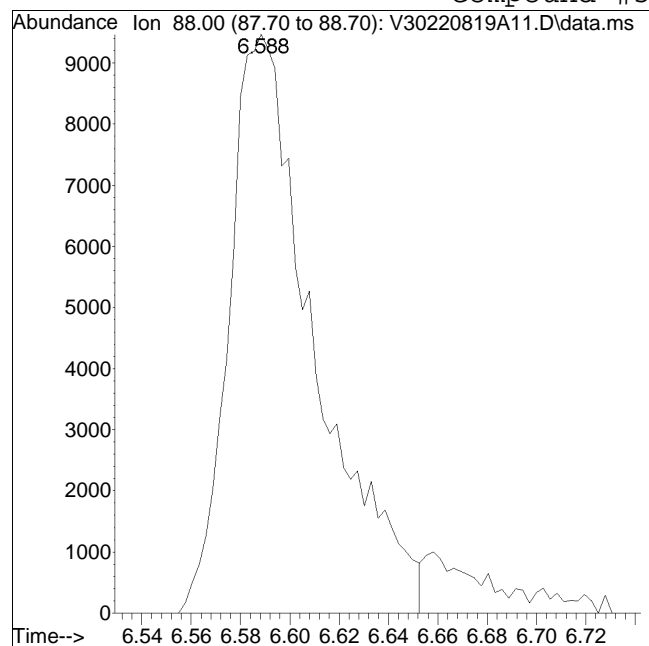
Manual Peak Response = 117499 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A11.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 4:53 pm Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 22664

Manual Peak Response = 24600 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|----------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.490 | 96 | 275490 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = 102.82% | | | | |
| 59) Chlorobenzene-d5 | 8.502 | 117 | 202885 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = 103.37% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 102162 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = 100.59% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 70638 | 9.794 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.94% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.138 | 65 | 80005 | 10.062 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.62% | | | | |
| 60) Toluene-d8 | 7.199 | 98 | 263137 | 9.889 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.89% | | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 97139 | 9.988 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.88% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 1157127 | 185.300 | ug/L | | 99 |
| 3) Chloromethane | 1.064 | 50 | 1310249 | 188.878 | ug/L | | 100 |
| 4) Vinyl chloride | 1.109 | 62 | 1302662 | 185.576 | ug/L | | 96 |
| 5) Bromomethane | 1.312 | 94 | 852658 | 185.206 | ug/L | | 98 |
| 6) Chloroethane | 1.399 | 64 | 828162 | 194.151 | ug/L | | 98 |
| 7) Trichlorofluoromethane | 1.494 | 101 | 1973333 | 183.665 | ug/L | | 97 |
| 8) Ethyl ether | 1.728 | 74 | 491027 | 203.287 | ug/L | | 78 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 1059903 | 185.811 | ug/L | | 77 |
| 11) Carbon disulfide | 1.862 | 76 | 2610705 | 188.274 | ug/L | | 99 |
| 12) Freon-113 | 1.898 | 101 | 1201402 | 184.329 | ug/L | | 99 |
| 13) Iodomethane | 1.954 | 142 | 1293616 | 221.135 | ug/L | | 92 |
| 14) Acrolein | 2.135 | 56 | 122771 | 215.221 | ug/L | | 95 |
| 15) Methylene chloride | 2.341 | 84 | 1143526 | 191.335 | ug/L | | 79 |
| 17) Acetone | 2.400 | 43 | 165470 | 188.336 | ug/L | | 99 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 1145849 | 187.349 | ug/L | | 83 |
| 19) Methyl acetate | 2.531 | 43 | 489919 | 207.006 | ug/L | # | 93 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 2457525 | 225.747 | ug/L | | 97 |
| 21) tert-Butyl alcohol | 2.776 | 59 | 204337M1 | 1338.998 | ug/L | | |
| 22) Diisopropyl ether | 3.052 | 45 | 4134680 | 218.793 | ug/L | | 93 |
| 23) 1,1-Dichloroethane | 3.125 | 63 | 2255087 | 187.920 | ug/L | | 98 |
| 24) Halothane | 3.278 | 117 | 917102 | 196.362 | ug/L | | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|----------|--------|----------|
| 25) Acrylonitrile | 3.192 | 53 | 246765 | 208.858 | ug/L | 97 |
| 26) Ethyl tert-butyl ether | 3.496 | 59 | 3577439 | 247.866 | ug/L | 93 |
| 27) Vinyl acetate | 3.499 | 43 | 2368802 | 265.579 | ug/L # | 96 |
| 28) cis-1,2-Dichloroethene | 3.811 | 96 | 1289660 | 192.628 | ug/L # | 76 |
| 29) 2,2-Dichloropropane | 3.950 | 77 | 1779323 | 245.403 | ug/L | 94 |
| 30) Bromochloromethane | 4.087 | 128 | 552685 | 191.913 | ug/L # | 65 |
| 31) Cyclohexane | 4.056 | 56 | 2395114 | 195.725 | ug/L | 75 |
| 32) Chloroform | 4.249 | 83 | 2220549 | 189.447 | ug/L | 98 |
| 33) Ethyl acetate | 4.500 | 43 | 698911 | 232.965 | ug/L # | 93 |
| 34) Carbon tetrachloride | 4.369 | 117 | 1817789 | 210.992 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.430 | 42 | 176567 | 196.078 | ug/L # | 68 |
| 37) 1,1,1-Trichloroethane | 4.466 | 97 | 1980727 | 195.997 | ug/L # | 96 |
| 39) 2-Butanone | 4.684 | 43 | 293818 | 228.244 | ug/L # | 73 |
| 40) 1,1-Dichloropropene | 4.648 | 75 | 1676287 | 195.428 | ug/L | 97 |
| 41) Benzene | 4.960 | 78 | 4734644 | 191.839 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.197 | 73 | 2884983 | 252.397 | ug/L | 95 |
| 44) 1,2-Dichloroethane | 5.222 | 62 | 1655440 | 201.566 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.649 | 83 | 2287690 | 203.078 | ug/L # | 79 |
| 48) Trichloroethene | 5.685 | 95 | 1293948 | 193.607 | ug/L | 99 |
| 50) Dibromomethane | 6.134 | 93 | 666024 | 204.322 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.248 | 63 | 1300441 | 204.836 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.012 | 63 | 662805 | 226.083 | ug/L | 93 |
| 54) Bromodichloromethane | 6.357 | 83 | 1736886 | 207.796 | ug/L | 99 |
| 57) 1,4-Dioxane | 6.586 | 88 | 41006M1 | 1844.833 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.021 | 75 | 2006731 | 237.688 | ug/L | 95 |
| 61) Toluene | 7.249 | 92 | 3008351 | 193.196 | ug/L | 94 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 286778 | 227.525 | ug/L # | 93 |
| 63) Tetrachloroethene | 7.606 | 166 | 1297977 | 192.380 | ug/L | 94 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 1701908 | 269.337 | ug/L | 97 |
| 67) Ethyl methacrylate | 7.868 | 69 | 1137791 | 249.975 | ug/L | 99 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 751396 | 208.508 | ug/L | 96 |
| 69) Chlorodibromomethane | 7.938 | 129 | 1175914 | 226.946 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.019 | 76 | 1593907 | 207.451 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 874879 | 213.483 | ug/L | 99 |
| 72) 2-Hexanone | 8.343 | 43 | 470794 | 224.517 | ug/L | 96 |
| 73) Chlorobenzene | 8.515 | 112 | 3226512 | 191.045 | ug/L | 93 |
| 74) Ethylbenzene | 8.557 | 91 | 5508270 | 178.909 | ug/L | 96 |
| 75) 1,1,1,2-Tetrachloroethane | 8.574 | 131 | 1205270 | 223.888 | ug/L | 95 |
| 76) p/m Xylene | 8.666 | 106 | 4216584 | 362.595 | ug/L | 87 |
| 77) o Xylene | 8.950 | 106 | 4061472 | 363.263 | ug/L | 82 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 78) Styrene | 8.987 | 104 | 6333836 | 345.907 | ug/L | 100 |
| 80) Bromoform | 8.987 | 173 | 672759 | 240.845 | ug/L | 96 |
| 82) Isopropylbenzene | 9.160 | 105 | 5363792 | 180.391 | ug/L | 94 |
| 84) Bromobenzene | 9.377 | 156 | 1336263 | 197.713 | ug/L | 98 |
| 85) n-Propylbenzene | 9.419 | 91 | 6257666 | 172.750 | ug/L | 93 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 1584184 | 215.060 | ug/L | 96 |
| 87) 1,1,2,2-Tetrachloroethane | 9.469 | 83 | 997310 | 210.046 | ug/L | 99 |
| 88) 4-Ethyltoluene | 9.489 | 105 | 5310890 | 184.743 | ug/L | 95 |
| 89) 2-Chlorotoluene | 9.500 | 91 | 4515053 | 184.221 | ug/L | 96 |
| 90) 1,3,5-Trimethylbenzene | 9.544 | 105 | 4631456 | 186.986 | ug/L | 91 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 807020 | 212.576 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.570 | 53 | 320688 | 251.868 | ug/L # | 85 |
| 93) 4-Chlorotoluene | 9.603 | 91 | 4067504 | 189.847 | ug/L | 96 |
| 94) tert-Butylbenzene | 9.729 | 119 | 3997899 | 184.582 | ug/L | 91 |
| 97) 1,2,4-Trimethylbenzene | 9.770 | 105 | 4580466 | 189.860 | ug/L | 92 |
| 98) sec-Butylbenzene | 9.834 | 105 | 5802654 | 174.674 | ug/L | 95 |
| 99) p-Isopropyltoluene | 9.921 | 119 | 5081834 | 181.183 | ug/L | 96 |
| 100) 1,3-Dichlorobenzene | 9.946 | 146 | 2557572 | 188.734 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 2567882 | 192.398 | ug/L | 98 |
| 102) p-Diethylbenzene | 10.130 | 119 | 3242448 | 198.352 | ug/L | 97 |
| 103) n-Butylbenzene | 10.161 | 91 | 4778832 | 182.854 | ug/L | 95 |
| 104) 1,2-Dichlorobenzene | 10.239 | 146 | 2373717 | 193.759 | ug/L | 99 |
| 105) 1,2,4,5-Tetramethylben... | 10.585 | 119 | 4883363 | 200.827 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 153645 | 251.850 | ug/L | 92 |
| 107) 1,3,5-Trichlorobenzene | 10.713 | 180 | 2094778 | 195.939 | ug/L | 95 |
| 108) Hexachlorobutadiene | 11.059 | 225 | 980505 | 203.129 | ug/L | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.070 | 180 | 1819850 | 202.181 | ug/L | 97 |
| 110) Naphthalene | 11.248 | 128 | 3224968 | 201.822 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.352 | 180 | 1623554 | 201.516 | ug/L | 99 |

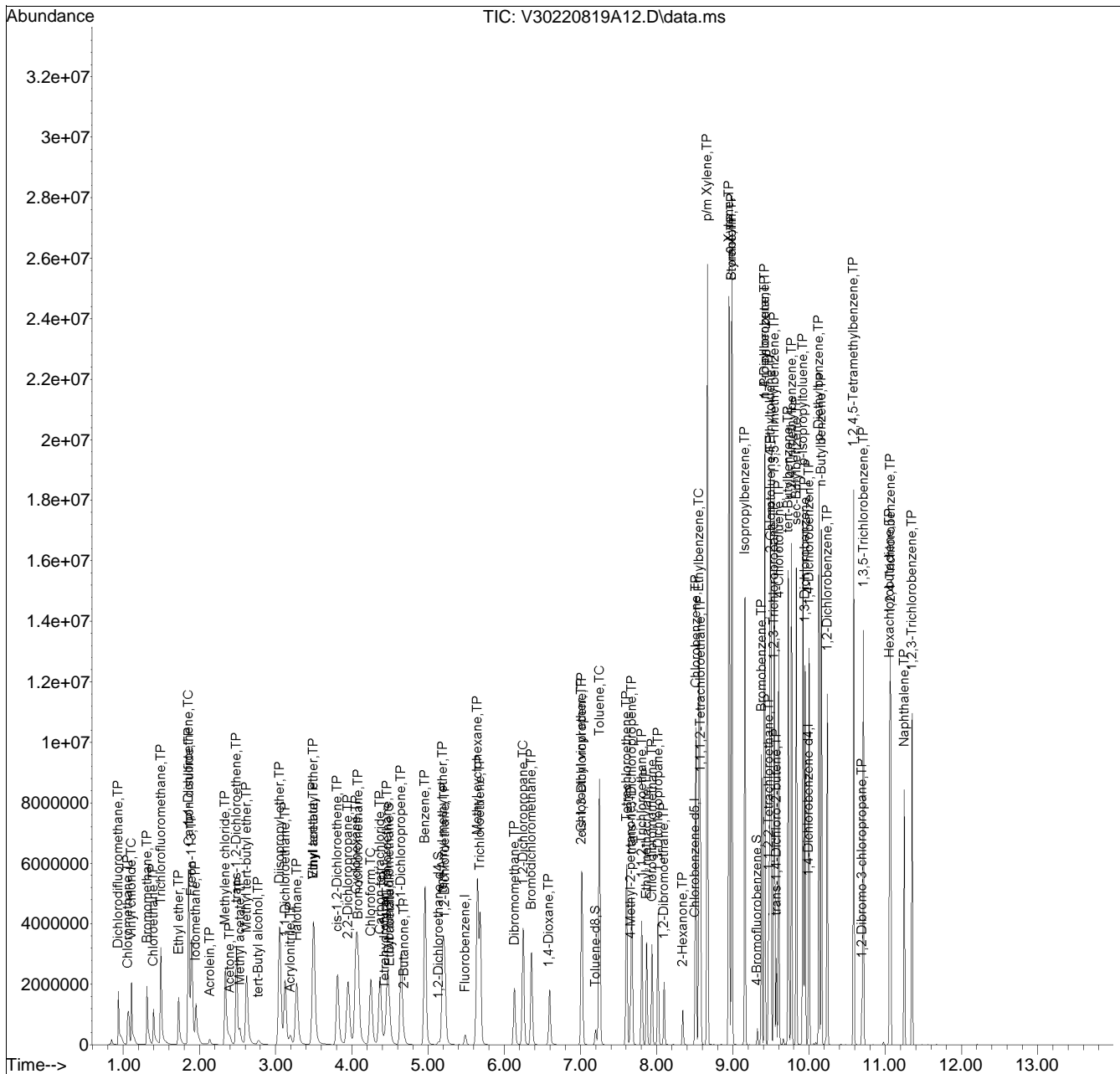
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A12.D
 Acq On : 19 Aug 2022 05:12 pm
 Operator : VOA130:MKS
 Sample : I8260STD200PPB
 Misc : WG1678209
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 13:36:36 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:22:28 2022
 Response via : Initial Calibration

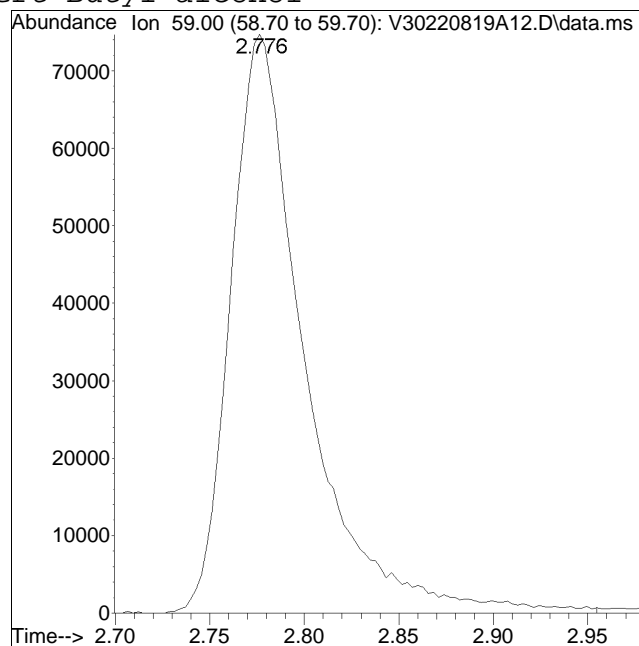
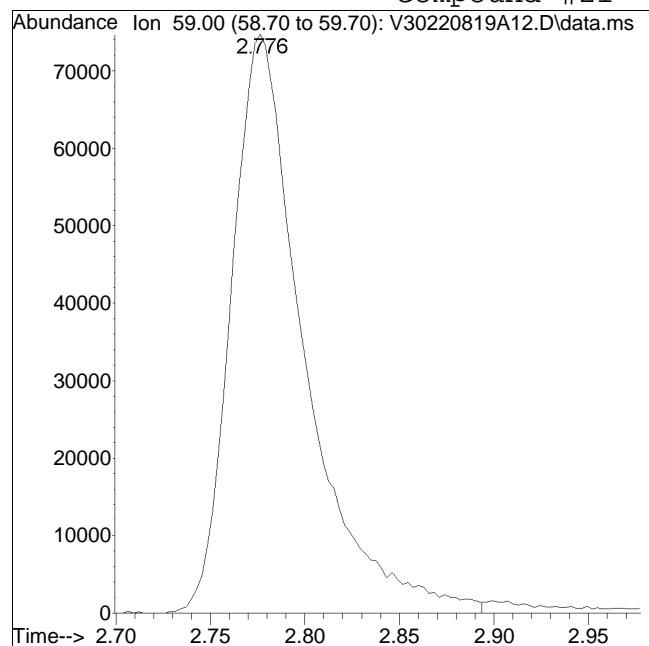
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A12.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 5:12 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/22/2022 1:23 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 200716

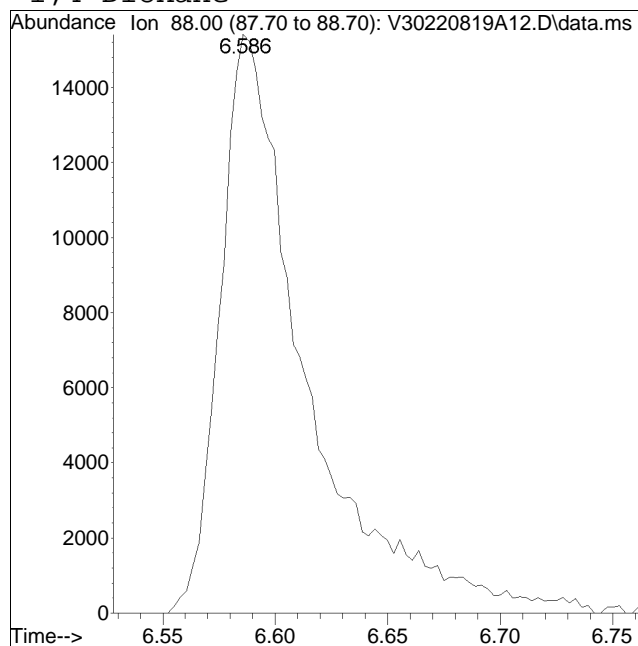
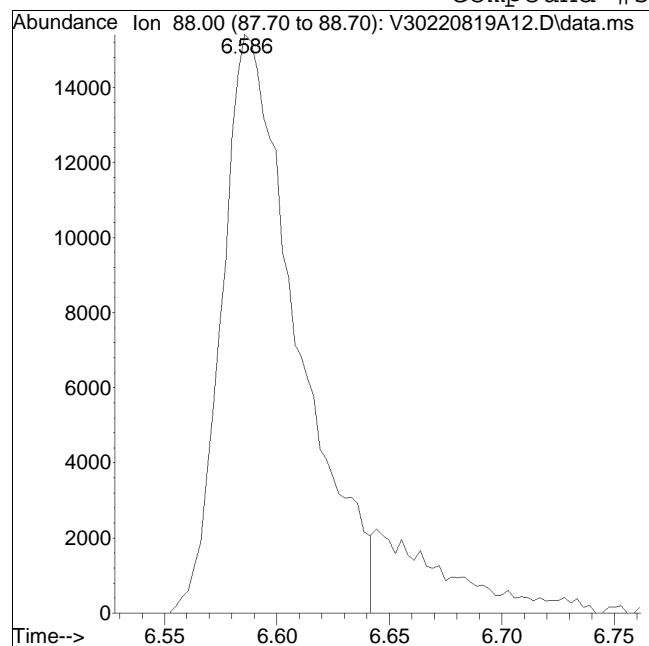
Manual Peak Response = 204337 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A12.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 5:12 pm Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/22/2022 1:23 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 35863

Manual Peak Response = 41006 M1

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 95 | 0.00 |
| 2 TP Dichlorodifluoromethane | 0.204 | 0.252 | -23.5# | 105 | 0.00 |
| 3 TP Chloromethane | 0.235 | 0.282 | -20.0 | 106 | 0.00 |
| 4 TC Vinyl chloride | 0.233 | 0.280 | -20.2# | 104 | 0.00 |
| 5 TP Bromomethane | 0.160 | 0.185 | -15.6 | 105 | 0.00 |
| 6 TP Chloroethane | 0.146 | 0.159 | -8.9 | 98 | 0.00 |
| 7 TP Trichlorofluoromethane | 0.358 | 0.411 | -14.8 | 100 | 0.00 |
| 8 TP Ethyl ether | 0.084 | 0.106 | -26.2# | 114 | 0.00 |
| 10 TC 1,1-Dichloroethene | 0.190 | 0.201 | -5.8 | 92 | 0.00 |
| 11 TP Carbon disulfide | 0.472 | 0.529 | -12.1 | 100 | 0.00 |
| 12 TP Freon-113 | 0.211 | 0.217 | -2.8 | 87 | 0.00 |
| 13 TP Iodomethane | 0.212 | 0.196 | 7.5 | 87 | 0.00 |
| 14 TP Acrolein | 0.021 | 0.016 | 23.8# | 73 | 0.00 |
| 15 TP Methylene chloride | 0.213 | 0.218 | -2.3 | 95 | 0.00 |
| 17 TP Acetone | 0.033 | 0.031 | 6.1 | 92 | 0.00 |
| 18 TP trans-1,2-Dichloroethene | 0.206 | 0.213 | -3.4 | 91 | 0.00 |
| 19 TP Methyl acetate | 0.086 | 0.082 | 4.7 | 90 | 0.00 |
| 20 TP Methyl tert-butyl ether | 0.401 | 0.441 | -10.0 | 106 | 0.00 |
| 21 TP tert-Butyl alcohol | 0.00619 | 0.00576# | 6.9 | 99 | 0.00 |
| 22 TP Diisopropyl ether | 0.698 | 0.696 | 0.3 | 96 | 0.00 |
| 23 TP 1,1-Dichloroethane | 0.412 | 0.430 | -4.4 | 94 | 0.00 |
| 24 TP Halothane | 0.159 | 0.165 | -3.8 | 93 | 0.00 |
| 25 TP Acrylonitrile | 0.043 | 0.046 | -7.0 | 101 | 0.00 |
| 26 TP Ethyl tert-butyl ether | 0.554 | 0.532 | 4.0 | 96 | 0.00 |
| 27 TP Vinyl acetate | 0.368 | 0.328 | 10.9 | 96 | 0.00 |
| 28 TP cis-1,2-Dichloroethene | 0.237 | 0.229 | 3.4 | 89 | 0.00 |
| 29 TP 2,2-Dichloropropane | 0.271 | 0.246 | 9.2 | 89 | 0.00 |
| 30 TP Bromochloromethane | 0.103 | 0.105 | -1.9 | 96 | 0.00 |
| 31 TP Cyclohexane | 0.408 | 0.375 | 8.1 | 80 | 0.00 |
| 32 TC Chloroform | 0.404 | 0.417 | -3.2 | 93 | 0.00 |
| 33 TP Ethyl acetate | 0.118 | 0.115 | 2.5 | 101 | 0.00 |
| 34 TP Carbon tetrachloride | 0.287 | 0.302 | -5.2 | 92 | 0.00 |
| 35 TP Tetrahydrofuran | 0.032 | 0.031 | 3.1 | 91 | 0.00 |
| 36 S Dibromofluoromethane | 0.264 | 0.265 | -0.4 | 96 | 0.00 |
| 37 TP 1,1,1-Trichloroethane | 0.335 | 0.363 | -8.4 | 94 | 0.00 |
| 39 TP 2-Butanone | 0.050 | 0.050 | 0.0 | 101 | 0.00 |
| 40 TP 1,1-Dichloropropene | 0.285 | 0.303 | -6.3 | 92 | 0.00 |
| 41 TP Benzene | 0.848 | 0.854 | -0.7 | 90 | 0.00 |
| 42 TP tert-Amyl methyl ether | 0.445 | 0.427 | 4.0 | 98 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 0.290 | 0.293 | -1.0 | 96 | 0.00 |
| 44 TP 1,2-Dichloroethane | 0.297 | 0.290 | 2.4 | 92 | 0.00 |
| 47 TP Methyl cyclohexane | 0.383 | 0.362 | 5.5 | 84 | 0.00 |
| 48 TP Trichloroethene | 0.221 | 0.226 | -2.3 | 88 | 0.00 |
| 50 TP Dibromomethane | 0.118 | 0.115 | 2.5 | 92 | 0.00 |
| 51 TC 1,2-Dichloropropane | 0.224 | 0.224 | 0.0 | 92 | 0.00 |
| 53 TP 2-Chloroethyl vinyl ether | 0.108 | 0.102 | 5.6 | 91 | 0.00 |
| 54 TP Bromodichloromethane | 0.303 | 0.302 | 0.3 | 95 | 0.00 |
| 57 TP 1,4-Dioxane | 0.00074 | 0.00062# | 16.2 | 73 | 0.00 |
| 58 TP cis-1,3-Dichloropropene | 0.301 | 0.297# | 1.3 | 92 | 0.00 |
| 59 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 60 S Toluene-d8 | 1.299 | 1.322 | -1.8 | 97 | 0.00 |
| 61 TC Toluene | 0.726 | 0.726 | 0.0 | 91 | 0.00 |
| 62 TP 4-Methyl-2-pentanone | 0.064 | 0.060 | 6.3 | 92 | 0.00 |
| 63 TP Tetrachloroethene | 0.308 | 0.316 | -2.6 | 91 | 0.00 |
| 65 TP trans-1,3-Dichloropropene * | 10.000 | 9.834 | 1.7 | 95 | 0.00 |
| 67 TP Ethyl methacrylate | 0.241 | 0.249 | -3.3 | 106 | 0.00 |
| 68 TP 1,1,2-Trichloroethane | 0.177 | 0.170# | 4.0 | 91 | 0.00 |
| 69 TP Chlorodibromomethane | 0.261 | 0.255 | 2.3 | 96 | 0.00 |
| 70 TP 1,3-Dichloropropane | 0.373 | 0.364 | 2.4 | 92 | 0.00 |
| 71 TP 1,2-Dibromoethane | 0.199 | 0.195# | 2.0 | 92 | 0.00 |
| 72 TP 2-Hexanone | 0.112 | 0.098 | 12.5 | 91 | 0.00 |
| 73 TP Chlorobenzene | 0.802 | 0.809 | -0.9 | 93 | 0.00 |
| 74 TC Ethylbenzene | 1.414 | 1.453 | -2.8 | 92 | 0.00 |
| 75 TP 1,1,1,2-Tetrachloroethane | 0.268 | 0.262 | 2.2 | 95 | 0.00 |
| 76 TP p/m Xylene | 0.526 | 0.540 | -2.7 | 90 | 0.00 |
| 77 TP o Xylene | 0.513 | 0.548 | -6.8 | 95 | 0.00 |
| 78 TP Styrene | 0.829 | 0.916 | -10.5 | 97 | 0.00 |
| 79 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 80 TP Bromoform | 0.293 | 0.273 | 6.8 | 97 | 0.00 |
| 82 TP Isopropylbenzene | 2.676 | 2.692 | -0.6 | 90 | 0.00 |
| 83 S 4-Bromofluorobenzene | 0.948 | 0.941 | 0.7 | 96 | 0.00 |
| 84 TP Bromobenzene | 0.664 | 0.632 | 4.8 | 93 | 0.00 |
| 85 TP n-Propylbenzene | 3.228 | 3.305 | -2.4 | 91 | 0.00 |
| 86 TP 1,4-Dichlorobutane | 0.745 | 0.782 | -5.0 | 105 | 0.00 |
| 87 TP 1,1,2,2-Tetrachloroethane | 0.485 | 0.433 | 10.7 | 91 | 0.00 |
| 88 TP 4-Ethyltoluene | 2.640 | 2.877 | -9.0 | 99 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 2.256 | 2.245 | 0.5 | 91 | 0.00 |
| 90 TP | 1,3,5-Trimethylbenzene | 2.283 | 2.247 | 1.6 | 90 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.390 | 0.363 | 6.9 | 95 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.136 | 0.134 | 1.5 | 105 | 0.00 |
| 93 TP | 4-Chlorotoluene | 2.024 | 1.982 | 2.1 | 92 | 0.00 |
| 94 TP | tert-Butylbenzene | 1.970 | 1.970 | 0.0 | 90 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 2.245 | 2.285 | -1.8 | 94 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.951 | 3.015 | -2.2 | 90 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.525 | 2.525 | 0.0 | 89 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.274 | 1.254 | 1.6 | 92 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 1.281 | 1.190 | 7.1 | 89 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.530 | 1.528 | 0.1 | 93 | 0.00 |
| 103 TP | n-Butylbenzene | 2.345 | 2.425 | -3.4 | 92 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 1.194 | 1.161 | 2.8 | 94 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.338 | 2.426 | -3.8 | 99 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.062 | 0.062 | 0.0 | 100 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 1.017 | 1.003 | 1.4 | 93 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.461 | 0.426 | 7.6 | 88 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.884 | 0.852 | 3.6 | 94 | 0.00 |
| 110 TP | Naphthalene | 1.590 | 1.524 | 4.2 | 95 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.784 | 0.759 | 3.2 | 94 | 0.00 |

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 5 CCC's out = 1

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.490 | 96 | 254142 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 267936 | | | Recovery = | 94.85% | | | |
| 59) Chlorobenzene-d5 | 8.499 | 117 | 188032 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 196265 | | | Recovery = | 95.81% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.991 | 152 | 98769 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 101565 | | | Recovery = | 97.25% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 67464 | 10.052 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.52% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.141 | 65 | 74541 | 10.116 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.16% | | | |
| 60) Toluene-d8 | 7.199 | 98 | 248658 | 10.181 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.81% | | | |
| 83) 4-Bromofluorobenzene | 9.321 | 95 | 92913 | 9.922 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.22% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 63917 | 12.358 | ug/L | | 91 |
| 3) Chloromethane | 1.064 | 50 | 71752 | 12.022 | ug/L | | 100 |
| 4) Vinyl chloride | 1.109 | 62 | 71038 | 11.996 | ug/L | | 97 |
| 5) Bromomethane | 1.312 | 94 | 47003 | 11.532 | ug/L | | 96 |
| 6) Chloroethane | 1.399 | 64 | 40483 | 10.883 | ug/L | | 97 |
| 7) Trichlorofluoromethane | 1.496 | 101 | 104354 | 11.463 | ug/L | | 97 |
| 8) Ethyl ether | 1.728 | 74 | 26867 | 12.515 | ug/L | | 76 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 51031 | 10.546 | ug/L | | 78 |
| 11) Carbon disulfide | 1.859 | 76 | 134374 | 11.191 | ug/L | | 99 |
| 12) Freon-113 | 1.901 | 101 | 55158 | 10.264 | ug/L | | 98 |
| 13) Iodomethane | 1.957 | 142 | 49783 | 9.228 | ug/L | | 91 |
| 14) Acrolein | 2.132 | 56 | 4050M1 | 7.651 | ug/L | | |
| 15) Methylene chloride | 2.339 | 84 | 55476 | 10.226 | ug/L | | 79 |
| 17) Acetone | 2.403 | 43 | 7900 | 9.419 | ug/L | | 91 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 54062 | 10.328 | ug/L | | 83 |
| 19) Methyl acetate | 2.534 | 43 | 20760 | 9.540 | ug/L | # | 95 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 112012M1 | 10.987 | ug/L | | |
| 21) tert-Butyl alcohol | 2.776 | 59 | 7313M1 | 46.458 | ug/L | | |
| 22) Diisopropyl ether | 3.058 | 45 | 176940 | 9.973 | ug/L | | 91 |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 109408 | 10.461 | ug/L | | 99 |
| 24) Halothane | 3.273 | 117 | 42019 | 10.416 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.195 | 53 | 11608M1 | 10.516 | ug/L | |
| 26) Ethyl tert-butyl ether | 3.501 | 59 | 135325 | 9.610 | ug/L | 95 |
| 27) Vinyl acetate | 3.499 | 43 | 83427 | 8.923 | ug/L # | 91 |
| 28) cis-1,2-Dichloroethene | 3.817 | 96 | 58149 | 9.670 | ug/L # | 78 |
| 29) 2,2-Dichloropropane | 3.953 | 77 | 62474 | 9.059 | ug/L # | 77 |
| 30) Bromochloromethane | 4.081 | 128 | 26809M1 | 10.248 | ug/L | |
| 31) Cyclohexane | 4.054 | 56 | 95287 | 9.187 | ug/L | 75 |
| 32) Chloroform | 4.246 | 83 | 105920 | 10.328 | ug/L | 99 |
| 33) Ethyl acetate | 4.505 | 43 | 29336M1 | 9.790 | ug/L | |
| 34) Carbon tetrachloride | 4.366 | 117 | 76780 | 10.539 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.441 | 42 | 7994M1 | 9.830 | ug/L | |
| 37) 1,1,1-Trichloroethane | 4.472 | 97 | 92128 | 10.810 | ug/L # | 98 |
| 39) 2-Butanone | 4.687 | 43 | 12663M1 | 9.873 | ug/L | |
| 40) 1,1-Dichloropropene | 4.642 | 75 | 77093 | 10.633 | ug/L | 97 |
| 41) Benzene | 4.957 | 78 | 216996 | 10.073 | ug/L | 93 |
| 42) tert-Amyl methyl ether | 5.197 | 73 | 108554 | 9.607 | ug/L | 93 |
| 44) 1,2-Dichloroethane | 5.219 | 62 | 73714 | 9.766 | ug/L | 96 |
| 47) Methyl cyclohexane | 5.646 | 83 | 91989 | 9.449 | ug/L # | 79 |
| 48) Trichloroethene | 5.685 | 95 | 57355 | 10.230 | ug/L | 98 |
| 50) Dibromomethane | 6.131 | 93 | 29308 | 9.814 | ug/L | 95 |
| 51) 1,2-Dichloropropane | 6.245 | 63 | 56973 | 10.018 | ug/L | 97 |
| 53) 2-Chloroethyl vinyl ether | 7.010 | 63 | 25943 | 9.487 | ug/L | 94 |
| 54) Bromodichloromethane | 6.357 | 83 | 76850 | 9.992 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.591 | 88 | 7897M1 | 419.532 | ug/L | |
| 58) cis-1,3-Dichloropropene | 7.018 | 75 | 75574 | 9.884 | ug/L | 98 |
| 61) Toluene | 7.247 | 92 | 136460 | 9.996 | ug/L | 99 |
| 62) 4-Methyl-2-pentanone | 7.659 | 58 | 11229 | 9.301 | ug/L # | 94 |
| 63) Tetrachloroethene | 7.604 | 166 | 59467 | 10.283 | ug/L | 94 |
| 65) trans-1,3-Dichloropropene | 7.676 | 75 | 58119 | 9.834 | ug/L | 98 |
| 67) Ethyl methacrylate | 7.869 | 69 | 46887 | 10.333 | ug/L | 97 |
| 68) 1,1,2-Trichloroethane | 7.804 | 83 | 31897 | 9.611 | ug/L | 94 |
| 69) Chlorodibromomethane | 7.938 | 129 | 47936 | 9.780 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.016 | 76 | 68391 | 9.762 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.097 | 107 | 36596 | 9.758 | ug/L | 98 |
| 72) 2-Hexanone | 8.343 | 43 | 18477 | 8.735 | ug/L | 98 |
| 73) Chlorobenzene | 8.513 | 112 | 152191 | 10.096 | ug/L | 93 |
| 74) Ethylbenzene | 8.555 | 91 | 273155 | 10.275 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.574 | 131 | 49277 | 9.781 | ug/L | 95 |
| 76) p/m Xylene | 8.661 | 106 | 202887 | 20.519 | ug/L | 100 |
| 77) o Xylene | 8.945 | 106 | 206190 | 21.357 | ug/L | 95 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\220819AICAL\V30220819A08.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 8.981 | 104 | 344313 | 22.089 | ug/L | 93 |
| 80) Bromoform | 8.984 | 173 | 26948 | 9.324 | ug/L | 95 |
| 82) Isopropylbenzene | 9.157 | 105 | 265899 | 10.062 | ug/L | 98 |
| 84) Bromobenzene | 9.374 | 156 | 62387 | 9.511 | ug/L | 97 |
| 85) n-Propylbenzene | 9.413 | 91 | 326459 | 10.241 | ug/L | 99 |
| 86) 1,4-Dichlorobutane | 9.419 | 55 | 77244 | 10.494 | ug/L | 98 |
| 87) 1,1,2,2-Tetrachloroethane | 9.466 | 83 | 42740 | 8.925 | ug/L | 99 |
| 88) 4-Ethyltoluene | 9.486 | 105 | 284140 | 10.897 | ug/L | 98 |
| 89) 2-Chlorotoluene | 9.497 | 91 | 221703 | 9.951 | ug/L | 97 |
| 90) 1,3,5-Trimethylbenzene | 9.539 | 105 | 221902 | 9.842 | ug/L | 94 |
| 91) 1,2,3-Trichloropropane | 9.536 | 75 | 35882 | 9.326 | ug/L | 98 |
| 92) trans-1,4-Dichloro-2-b... | 9.567 | 53 | 13245 | 9.892 | ug/L # | 86 |
| 93) 4-Chlorotoluene | 9.598 | 91 | 195732 | 9.792 | ug/L | 97 |
| 94) tert-Butylbenzene | 9.726 | 119 | 194598 | 10.003 | ug/L | 93 |
| 97) 1,2,4-Trimethylbenzene | 9.768 | 105 | 225682 | 10.179 | ug/L | 95 |
| 98) sec-Butylbenzene | 9.829 | 105 | 297814 | 10.219 | ug/L | 99 |
| 99) p-Isopropyltoluene | 9.918 | 119 | 249387 | 9.998 | ug/L | 98 |
| 100) 1,3-Dichlorobenzene | 9.943 | 146 | 123834 | 9.841 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 9.999 | 146 | 117510 | 9.287 | ug/L | 99 |
| 102) p-Diethylbenzene | 10.127 | 119 | 150899 | 9.988 | ug/L | 94 |
| 103) n-Butylbenzene | 10.158 | 91 | 239532 | 10.340 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.236 | 146 | 114712 | 9.724 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 10.582 | 119 | 239599 | 10.377 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 10.693 | 155 | 6092 | 9.922 | ug/L | 87 |
| 107) 1,3,5-Trichlorobenzene | 10.710 | 180 | 99028 | 9.857 | ug/L | 95 |
| 108) Hexachlorobutadiene | 11.056 | 225 | 42060 | 9.241 | ug/L | 97 |
| 109) 1,2,4-Trichlorobenzene | 11.067 | 180 | 84147 | 9.638 | ug/L | 98 |
| 110) Naphthalene | 11.248 | 128 | 150554 | 9.589 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.349 | 180 | 74921 | 9.676 | ug/L | 98 |

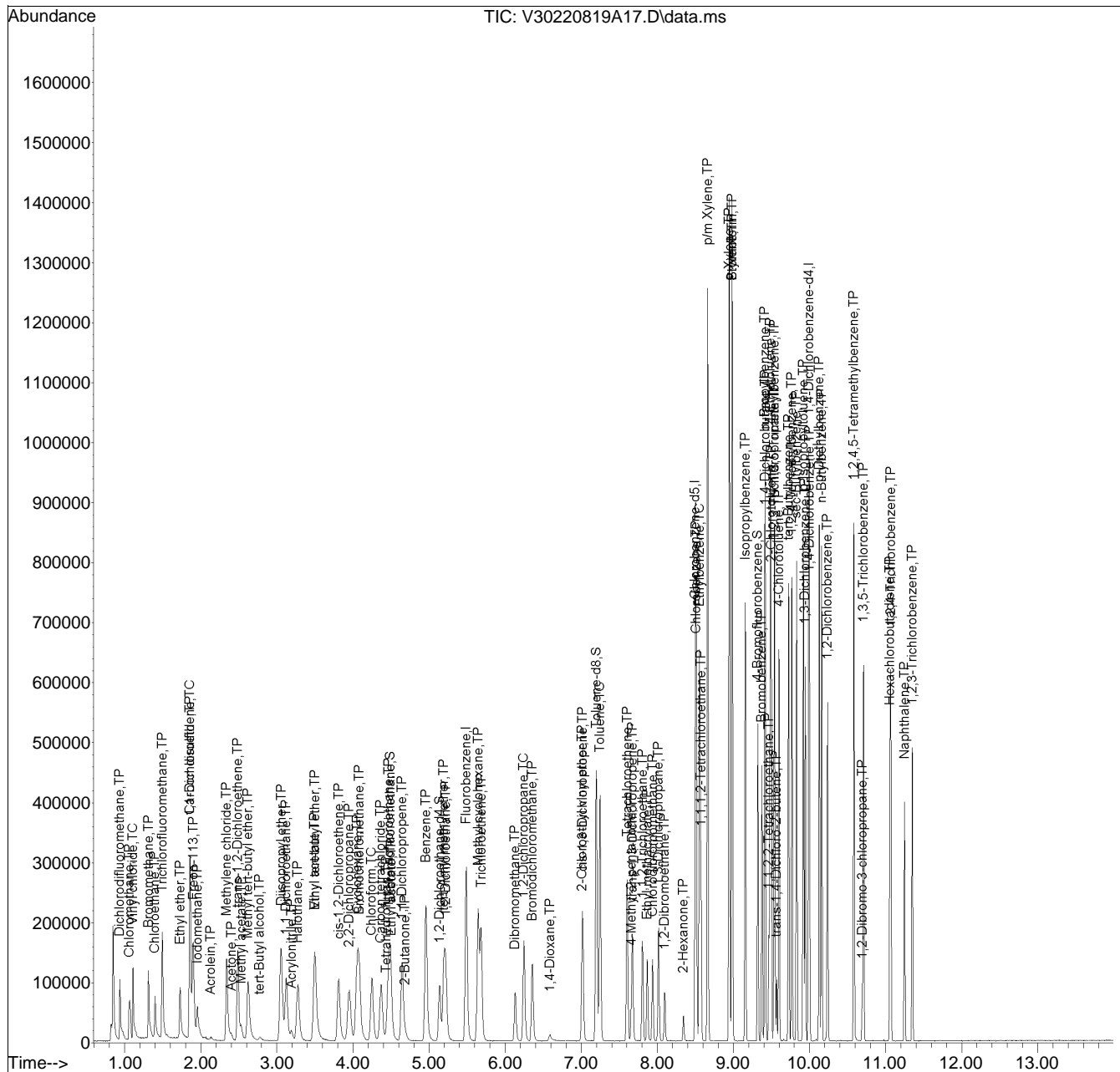
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\220819AICAL\
 Data File : V30220819A17.D
 Acq On : 19 Aug 2022 06:51 pm
 Operator : VOA130:MKS
 Sample : C8260STD10PPB
 Misc : WG1678209
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 22 13:46:40 2022
 Quant Method : I:\VOLATILES\VOA130\2022\220819AICAL\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

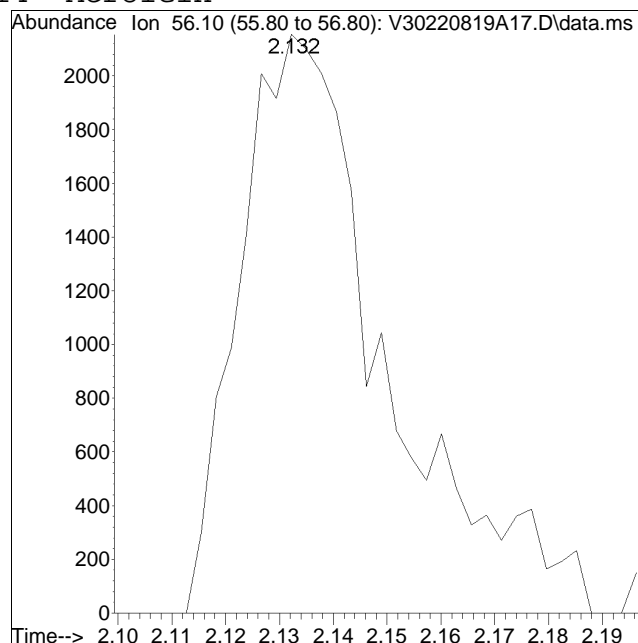
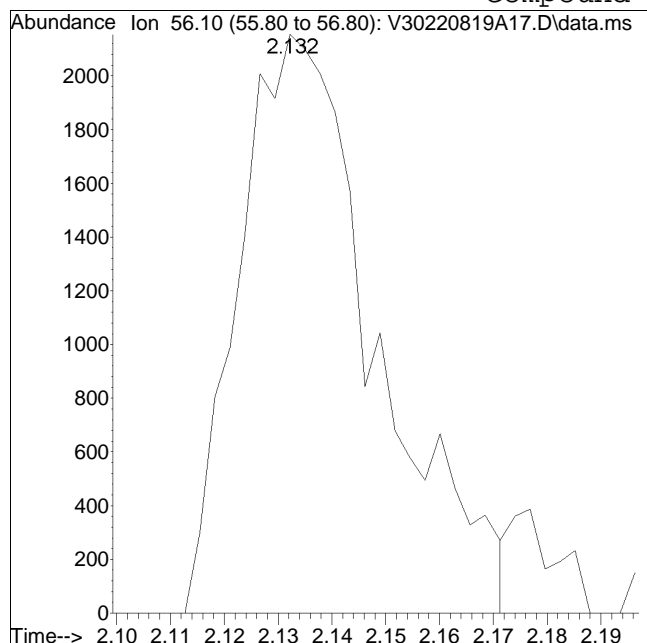
Sub List : 8260-Curve - Megamix plus Diox20819AICAL\V30220819A08.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\20Method : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #14: Acrolein



Original Peak Response = 3826

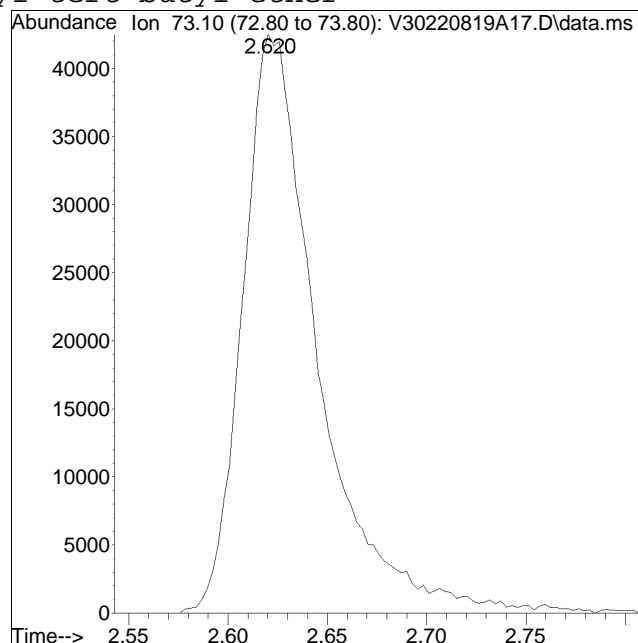
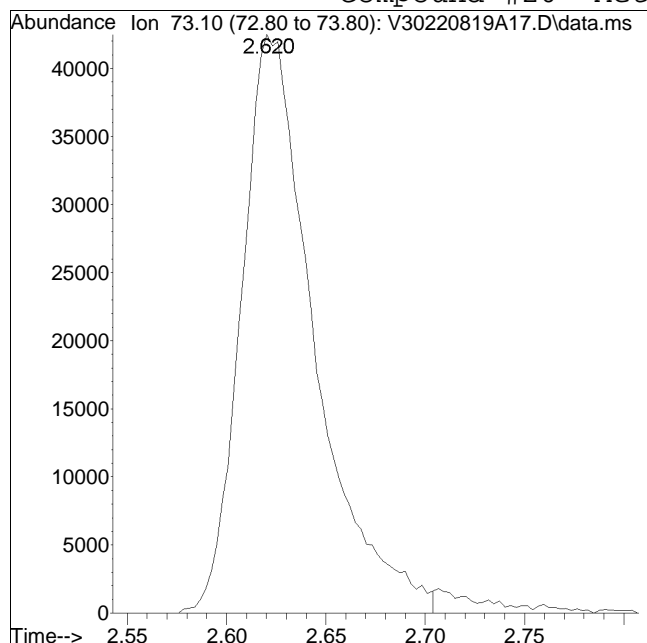
Manual Peak Response = 4050 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #20: Methyl tert-butyl ether



Original Peak Response = 108728

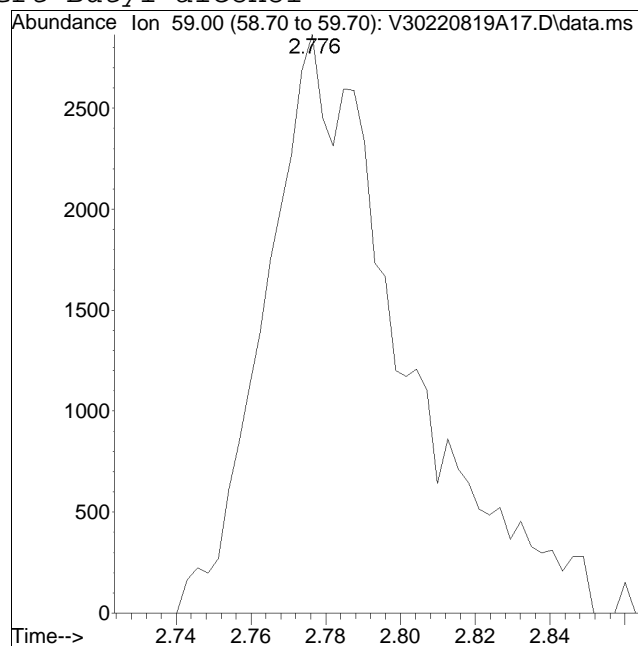
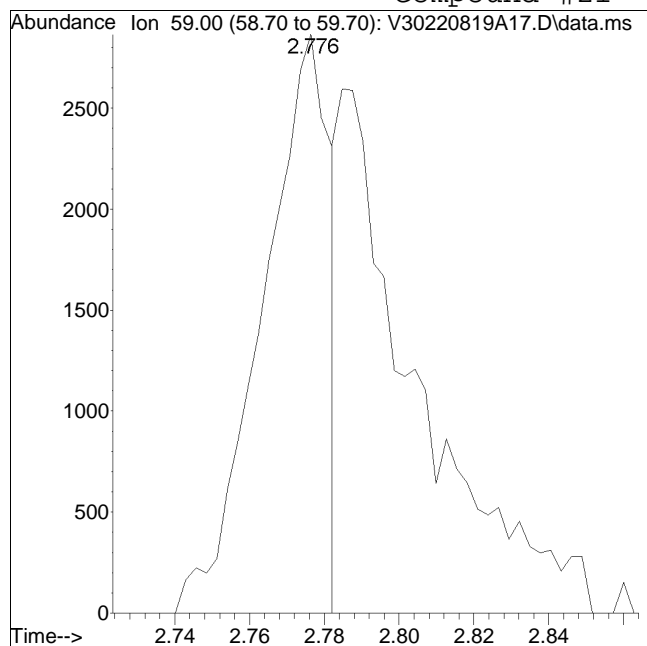
Manual Peak Response = 112012 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 3546

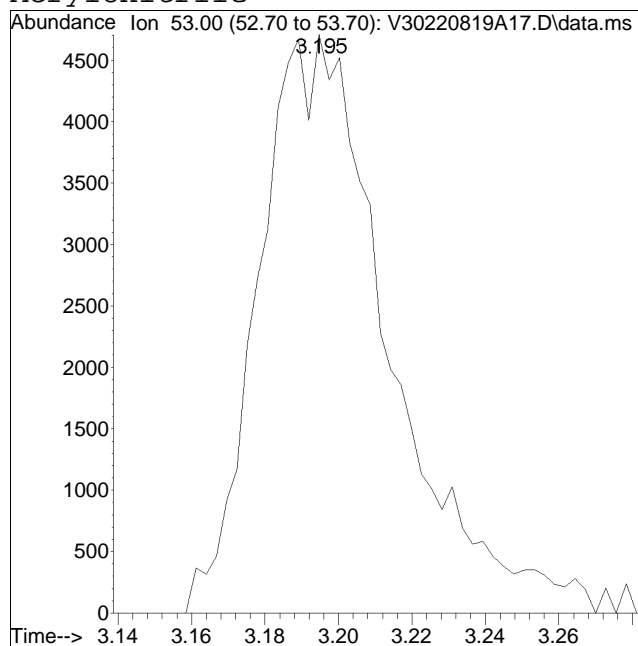
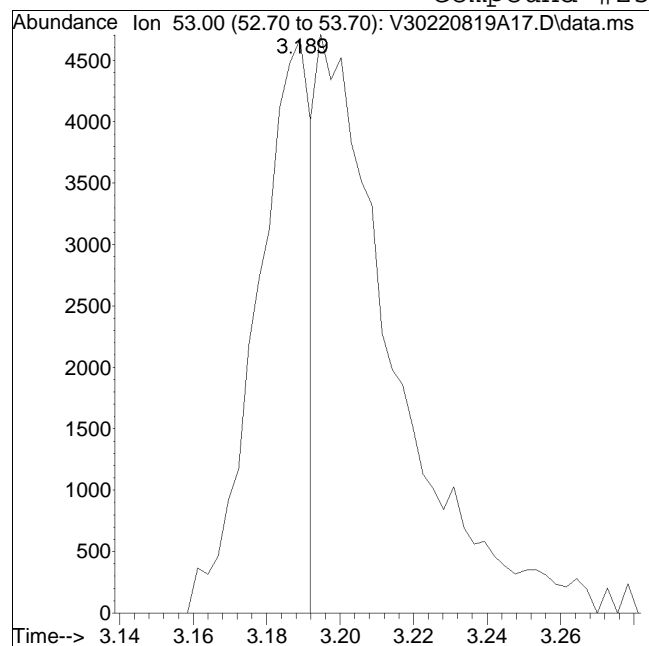
Manual Peak Response = 7313 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #25: Acrylonitrile



Original Peak Response = 4777

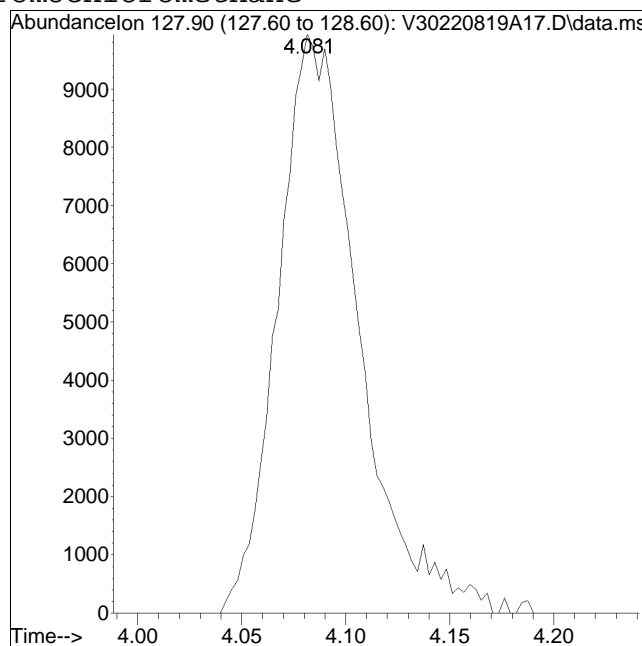
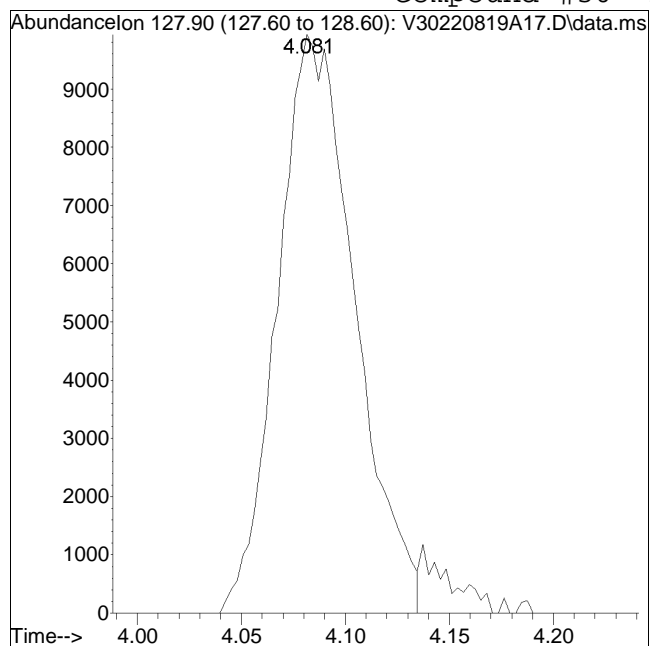
Manual Peak Response = 11608 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #30: Bromochloromethane



Original Peak Response = 25588

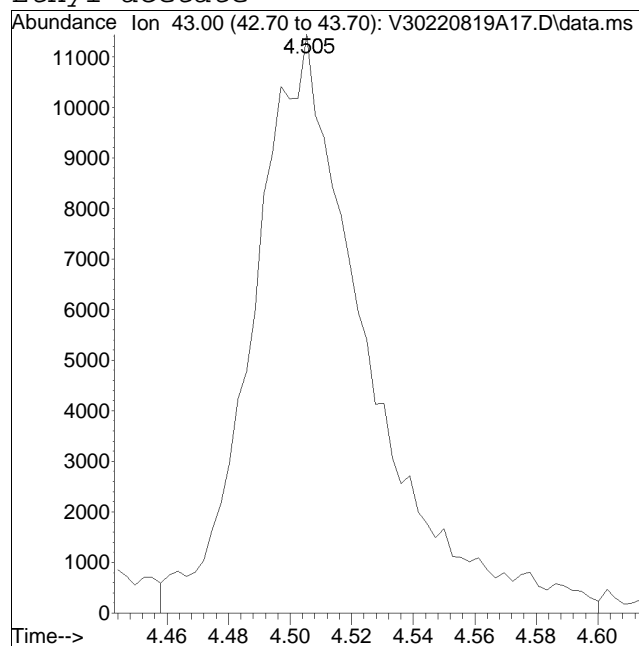
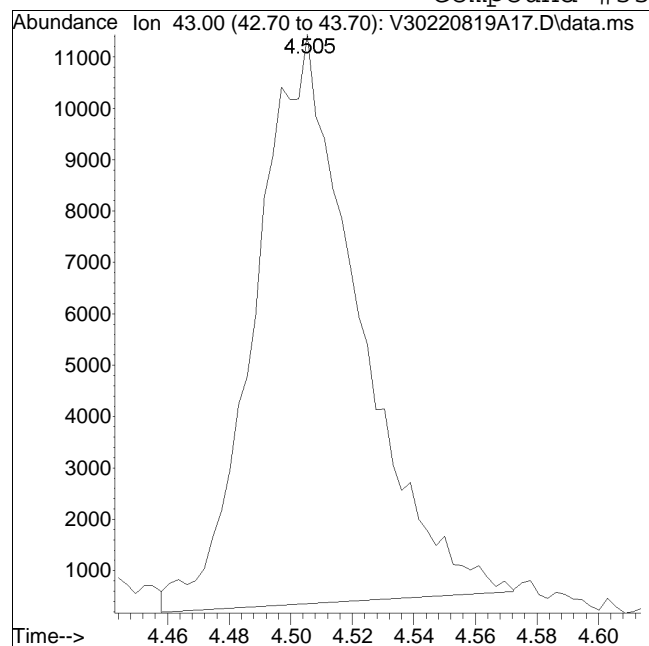
Manual Peak Response = 26809 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #33: Ethyl acetate



Original Peak Response = 25793

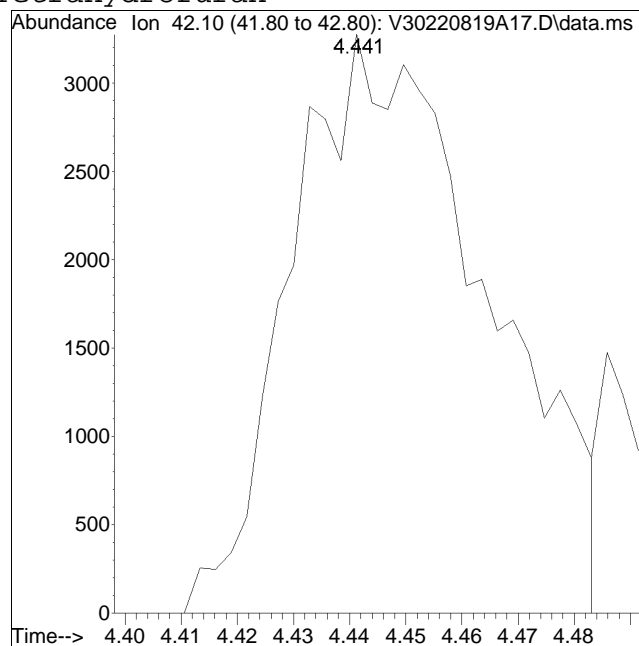
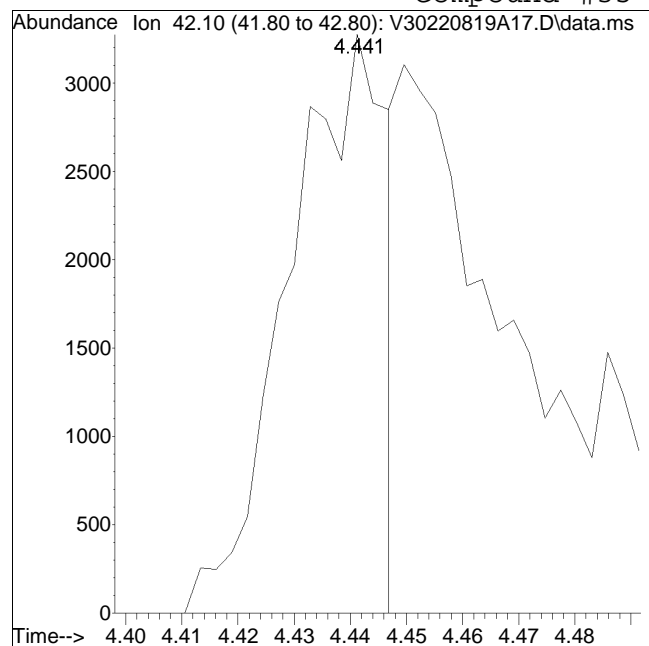
Manual Peak Response = 29336 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 3949

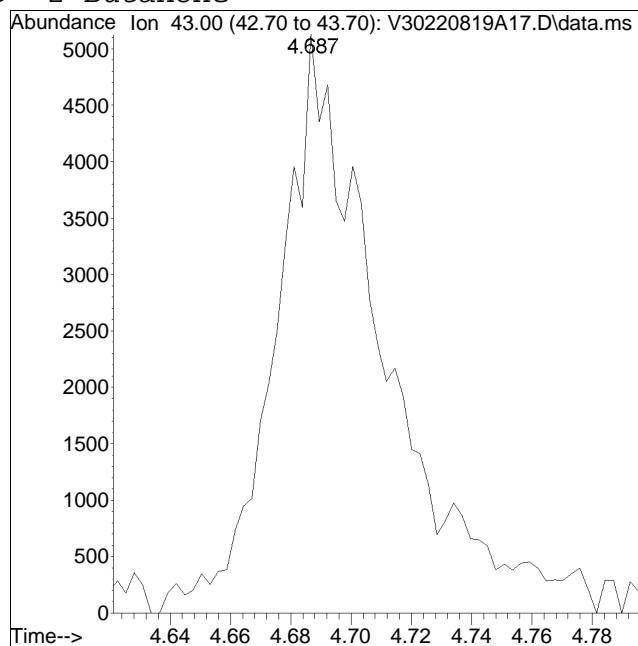
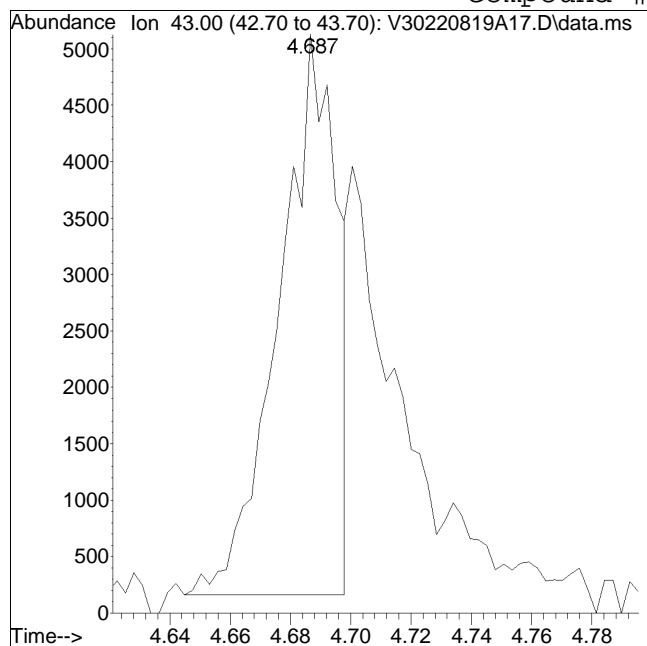
Manual Peak Response = 7994 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #39: 2-Butanone



Original Peak Response = 6623

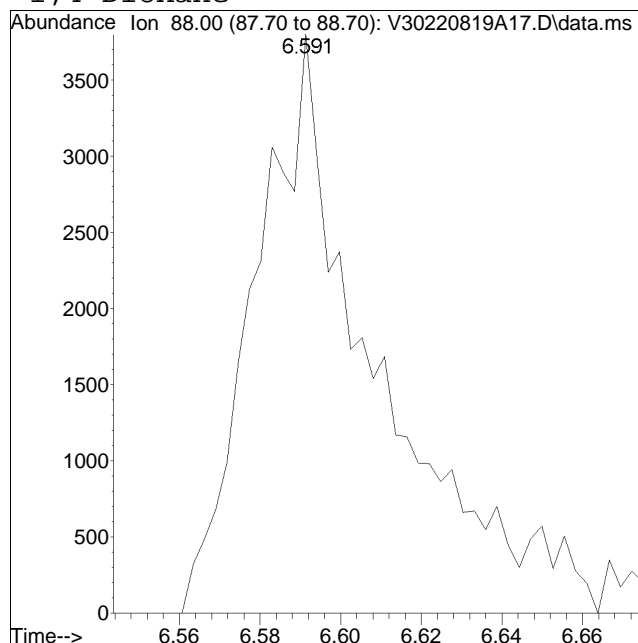
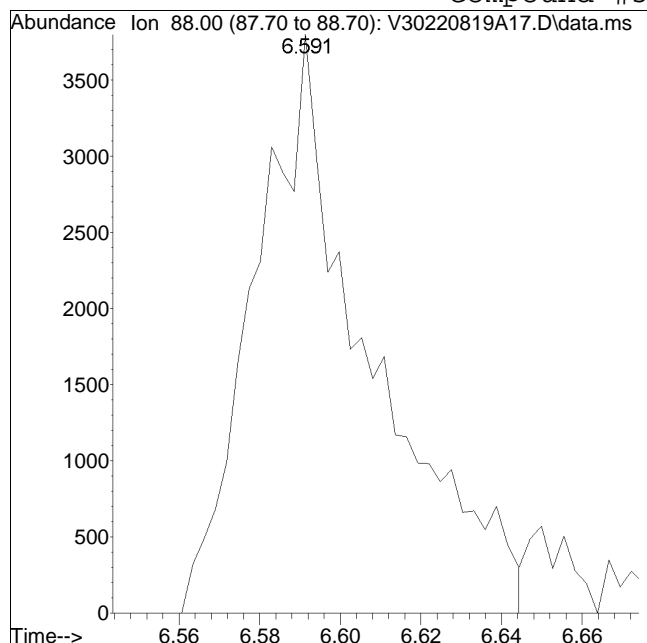
Manual Peak Response = 12663 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30220819A17.D Operator : VOA130:MKS
Date Inj'd : 8/19/2022 6:51 pm Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/22/2022 1:44 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 7508

Manual Peak Response = 7897 M1

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

Correlation Data Summary

Method Path: I:\VOLATILES\VOA130\2022\220819AICAL\
Method File: VOA130_220819A_8260.m
Method Title: VOLATILES BY GC/MS
Last Update: Mon Aug 22 13:44:43 2022
CSV generated: Mon Aug 22 13:49:19 2022

| Analyte | Curve fit | T _y Coefficient | Quadratic | Linear | Constant |
|---------------------------|-----------|----------------------------|-----------|---------|----------|
| | | Determinant | Term | Term | Term |
| trans-1,3-Dichloropropene | Quadratic | 0.99952 | 0.011792 | 0.30625 | -0.0035 |

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA130
 Lab File ID : V30221001A02
 Sample No : WG1694829-2
 Channel :

Lab Number : L2253502
 Project Number : 0047.0044Y047
 Calibration Date : 10/01/22 09:34
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|--------------------------|----------|----------|---------|-------|--------|-------|----------|
| Fluorobenzene | 1 | 1 | - | 0 | 20 | 108 | 0 |
| Dichlorodifluoromethane | 0.204 | 0.206 | - | -1 | 20 | 98 | 0 |
| Chloromethane | 0.235 | 0.253 | - | -7.7 | 20 | 108 | 0 |
| Vinyl chloride | 0.233 | 0.246 | - | -5.6 | 20 | 104 | 0 |
| Bromomethane | 0.16 | 0.113 | - | 29.4* | 20 | 73 | 0 |
| Chloroethane | 0.146 | 0.175 | - | -19.9 | 20 | 122 | 0 |
| Trichlorofluoromethane | 0.358 | 0.364 | - | -1.7 | 20 | 101 | 0 |
| Ethyl ether | 0.084 | 0.066 | - | 21.4* | 20 | 81 | 0 |
| 1,1-Dichloroethene | 0.19 | 0.209 | - | -10 | 20 | 108 | 0 |
| Carbon disulfide | 0.472 | 0.555 | - | -17.6 | 20 | 119 | 0 |
| Freon-113 | 0.211 | 0.201 | - | 4.7 | 20 | 91 | 0 |
| Iodomethane | 0.212 | 0.114 | - | 46.2* | 20 | 58 | 0 |
| Acrolein | 0.021 | 0.019 | - | 9.5 | 20 | 97 | 0 |
| Methylene chloride | 0.213 | 0.234 | - | -9.9 | 20 | 116 | 0 |
| Acetone | 0.033 | 0.038 | - | -15.2 | 20 | 129 | 0 |
| trans-1,2-Dichloroethene | 0.206 | 0.211 | - | -2.4 | 20 | 102 | 0 |
| Methyl acetate | 0.086 | 0.074 | - | 14 | 20 | 92 | 0 |
| Methyl tert-butyl ether | 0.401 | 0.27 | - | 32.7* | 20 | 74 | 0 |
| tert-Butyl alcohol | 0.00619 | 0.00639* | - | -3.2 | 20 | 124 | -0.01 |
| Diisopropyl ether | 0.698 | 0.555 | - | 20.5* | 20 | 87 | 0 |
| 1,1-Dichloroethane | 0.412 | 0.438 | - | -6.3 | 20 | 108 | 0 |
| Halothane | 0.159 | 0.146 | - | 8.2 | 20 | 93 | 0 |
| Acrylonitrile | 0.043 | 0.04 | - | 7 | 20 | 101 | -0.01 |
| Ethyl tert-butyl ether | 0.554 | 0.418 | - | 24.5* | 20 | 86 | 0 |
| Vinyl acetate | 0.368 | 0.254 | - | 31* | 20 | 84 | 0 |
| cis-1,2-Dichloroethene | 0.237 | 0.241 | - | -1.7 | 20 | 107 | 0 |
| 2,2-Dichloropropane | 0.271 | 0.25 | - | 7.7 | 20 | 102 | 0 |
| Bromochloromethane | 0.103 | 0.107 | - | -3.9 | 20 | 110 | 0 |
| Cyclohexane | 0.408 | 0.352 | - | 13.7 | 20 | 85 | 0 |
| Chloroform | 0.404 | 0.403 | - | 0.2 | 20 | 102 | 0 |
| Ethyl acetate | 0.118 | 0.075 | - | 36.4* | 20 | 74 | 0 |
| Carbon tetrachloride | 0.287 | 0.277 | - | 3.5 | 20 | 95 | 0 |
| Tetrahydrofuran | 0.032 | 0.025 | - | 21.9* | 20 | 81 | 0 |
| Dibromofluoromethane | 0.264 | 0.27 | - | -2.3 | 20 | 111 | 0 |
| 1,1,1-Trichloroethane | 0.335 | 0.31 | - | 7.5 | 20 | 91 | -0.01 |
| 2-Butanone | 0.05 | 0.041 | - | 18 | 20 | 94 | -0.01 |
| 1,1-Dichloropropene | 0.285 | 0.266 | - | 6.7 | 20 | 92 | 0 |
| Benzene | 0.848 | 0.87 | - | -2.6 | 20 | 105 | 0 |
| tert-Amyl methyl ether | 0.445 | 0.321 | - | 27.9* | 20 | 83 | 0 |
| 1,2-Dichloroethane-d4 | 0.29 | 0.241 | - | 16.9 | 20 | 90 | -0.01 |
| 1,2-Dichloroethane | 0.297 | 0.238 | - | 19.9 | 20 | 86 | 0 |
| Methyl cyclohexane | 0.383 | 0.383 | - | 0 | 20 | 101 | 0 |
| Trichloroethene | 0.221 | 0.216 | - | 2.3 | 20 | 96 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA130
 Lab File ID : V30221001A02
 Sample No : WG1694829-2
 Channel :

Lab Number : L2253502
 Project Number : 0047.0044Y047
 Calibration Date : 10/01/22 09:34
 Init. Calib. Date(s) : 08/19/22 08/19/22
 Init. Calib. Times : 14:16 17:12

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| Dibromomethane | 0.118 | 0.107 | - | 9.3 | 20 | 97 | -.01 |
| 1,2-Dichloropropane | 0.224 | 0.206 | - | 8 | 20 | 96 | 0 |
| 2-Chloroethyl vinyl ether | 0.108 | 0.079 | - | 26.9* | 20 | 80 | 0 |
| Bromodichloromethane | 0.303 | 0.255* | - | 15.8 | 20 | 90 | -.01 |
| 1,4-Dioxane | 0.00074 | 0.00077* | - | -4.1 | 20 | 103 | 0 |
| cis-1,3-Dichloropropene | 0.301 | 0.274* | - | 9 | 20 | 96 | 0 |
| Chlorobenzene-d5 | 1 | 1 | - | 0 | 20 | 118 | 0 |
| Toluene-d8 | 1.299 | 1.286 | - | 1 | 20 | 115 | 0 |
| Toluene | 0.726 | 0.727 | - | -0.1 | 20 | 112 | 0 |
| 4-Methyl-2-pentanone | 0.064 | 0.048 | - | 25* | 20 | 92 | 0 |
| Tetrachloroethene | 0.308 | 0.288 | - | 6.5 | 20 | 102 | 0 |
| trans-1,3-Dichloropropene | 10 | 8.841 | - | 11.6 | 20 | 105 | 0 |
| Ethyl methacrylate | 0.241 | 0.196 | - | 18.7 | 20 | 103 | 0 |
| 1,1,2-Trichloroethane | 0.177 | 0.156* | - | 11.9 | 20 | 103 | 0 |
| Chlorodibromomethane | 0.261 | 0.227 | - | 13 | 20 | 105 | -.01 |
| 1,3-Dichloropropane | 0.373 | 0.328 | - | 12.1 | 20 | 102 | 0 |
| 1,2-Dibromoethane | 0.199 | 0.175* | - | 12.1 | 20 | 102 | 0 |
| 2-Hexanone | 0.112 | 0.086 | - | 23.2* | 20 | 98 | 0 |
| Chlorobenzene | 0.802 | 0.815 | - | -1.6 | 20 | 115 | -.01 |
| Ethylbenzene | 1.414 | 1.451 | - | -2.6 | 20 | 113 | 0 |
| 1,1,1,2-Tetrachloroethane | 0.268 | 0.254 | - | 5.2 | 20 | 113 | -.01 |
| p/m Xylene | 0.526 | 0.556 | - | -5.7 | 20 | 114 | 0 |
| o Xylene | 0.513 | 0.532 | - | -3.7 | 20 | 114 | 0 |
| Styrene | 0.829 | 0.893 | - | -7.7 | 20 | 117 | -.01 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 115 | -.01 |
| Bromoform | 0.293 | 0.266 | - | 9.2 | 20 | 112 | -.01 |
| Isopropylbenzene | 2.676 | 2.826 | - | -5.6 | 20 | 112 | 0 |
| 4-Bromofluorobenzene | 0.948 | 0.936 | - | 1.3 | 20 | 113 | 0 |
| Bromobenzene | 0.664 | 0.63 | - | 5.1 | 20 | 110 | -.01 |
| n-Propylbenzene | 3.228 | 3.512 | - | -8.8 | 20 | 114 | 0 |
| 1,4-Dichlorobutane | 0.745 | 0.66 | - | 11.4 | 20 | 105 | -.01 |
| 1,1,1,2-Tetrachloroethane | 0.485 | 0.445 | - | 8.2 | 20 | 110 | 0 |
| 4-Ethyltoluene | 2.64 | 2.726 | - | -3.3 | 20 | 111 | 0 |
| 2-Chlorotoluene | 2.256 | 2.363 | - | -4.7 | 20 | 113 | -.01 |
| 1,3,5-Trimethylbenzene | 2.283 | 2.143 | - | 6.1 | 20 | 102 | 0 |
| 1,2,3-Trichloropropane | 0.39 | 0.358 | - | 8.2 | 20 | 111 | 0 |
| trans-1,4-Dichloro-2-buten | 0.136 | 0.104 | - | 23.5* | 20 | 96 | -.01 |
| 4-Chlorotoluene | 2.024 | 2.062 | - | -1.9 | 20 | 113 | -.01 |
| tert-Butylbenzene | 1.97 | 2.035 | - | -3.3 | 20 | 110 | 0 |
| 1,2,4-Trimethylbenzene | 2.245 | 2.07 | - | 7.8 | 20 | 101 | 0 |
| sec-Butylbenzene | 2.951 | 3.207 | - | -8.7 | 20 | 113 | 0 |
| p-Isopropyltoluene | 2.525 | 2.597 | - | -2.9 | 20 | 109 | 0 |
| 1,3-Dichlorobenzene | 1.274 | 1.305 | - | -2.4 | 20 | 113 | -.01 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : VOA130
Lab File ID : V30221001A02
Sample No : WG1694829-2
Channel :

Lab Number : L2253502
Project Number : 0047.0044Y047
Calibration Date : 10/01/22 09:34
Init. Calib. Date(s) : 08/19/22 08/19/22
Init. Calib. Times : 14:16 17:12

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| 1,4-Dichlorobenzene | 1.281 | 1.268 | - | 1 | 20 | 112 | 0 |
| p-Diethylbenzene | 1.53 | 1.453 | - | 5 | 20 | 104 | 0 |
| n-Butylbenzene | 2.345 | 2.438 | - | -4 | 20 | 110 | -.01 |
| 1,2-Dichlorobenzene | 1.194 | 1.167 | - | 2.3 | 20 | 112 | 0 |
| 1,2,4,5-Tetramethylbenzene | 2.338 | 2.036 | - | 12.9 | 20 | 98 | 0 |
| 1,2-Dibromo-3-chloropropan | 0.062 | 0.063 | - | -1.6 | 20 | 120 | -.01 |
| 1,3,5-Trichlorobenzene | 1.017 | 0.912 | - | 10.3 | 20 | 100 | 0 |
| Hexachlorobutadiene | 0.461 | 0.363 | - | 21.3* | 20 | 88 | 0 |
| 1,2,4-Trichlorobenzene | 0.884 | 0.779 | - | 11.9 | 20 | 102 | 0 |
| Naphthalene | 1.59 | 1.436 | - | 9.7 | 20 | 106 | 0 |
| 1,2,3-Trichlorobenzene | 0.784 | 0.704 | - | 10.2 | 20 | 103 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : GONZO
 Lab File ID : VG221003A02
 Sample No : WG1694869-2
 Channel :

Lab Number : L2253502
 Project Number : 0047.0044Y047
 Calibration Date : 10/03/22 09:51
 Init. Calib. Date(s) : 07/27/22 07/27/22
 Init. Calib. Times : 15:30 19:24

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|--------|--------|-------|----------|
| Fluorobenzene | 1 | 1 | - | 0 | 20 | 77 | 0 |
| Dichlorodifluoromethane | 0.1 | 0.101 | - | -1 | 20 | 72 | 0 |
| Chloromethane | 0.148 | 0.153 | - | -3.4 | 20 | 78 | 0 |
| Vinyl chloride | 0.13 | 0.14 | - | -7.7 | 20 | 77 | 0 |
| Bromomethane | 0.071 | 0.038 | - | 46.5* | 20 | 46 | 0 |
| Chloroethane | 10 | 16.338 | - | -63.4* | 20 | 112 | 0 |
| Trichlorofluoromethane | 0.198 | 0.188 | - | 5.1 | 20 | 73 | 0 |
| Ethyl ether | 0.074 | 0.059 | - | 20.3* | 20 | 61 | 0 |
| 1,1-Dichloroethene | 0.125 | 0.126 | - | -0.8 | 20 | 73 | 0 |
| Carbon disulfide | 0.314 | 0.325 | - | -3.5 | 20 | 77 | 0 |
| Freon-113 | 0.126 | 0.135 | - | -7.1 | 20 | 77 | 0 |
| Iodomethane | 0.197 | 0.069 | - | 65* | 20 | 28 | 0 |
| Acrolein | 0.023 | 0.024 | - | -4.3 | 20 | 81 | 0 |
| Methylene chloride | 0.157 | 0.137 | - | 12.7 | 20 | 71 | 0 |
| Acetone | 0.05 | 0.04 | - | 20 | 20 | 69 | 0 |
| trans-1,2-Dichloroethene | 0.14 | 0.139 | - | 0.7 | 20 | 73 | 0 |
| Methyl acetate | 0.118 | 0.1 | - | 15.3 | 20 | 69 | 0 |
| Methyl tert-butyl ether | 0.428 | 0.314 | - | 26.6* | 20 | 57 | 0 |
| tert-Butyl alcohol | 0.019 | 0.012 | - | 36.8* | 20 | 50 | 0 |
| Diisopropyl ether | 0.533 | 0.519 | - | 2.6 | 20 | 73 | 0 |
| 1,1-Dichloroethane | 0.282 | 0.276* | - | 2.1 | 20 | 72 | 0 |
| Halothane | 0.119 | 0.113 | - | 5 | 20 | 72 | 0 |
| Acrylonitrile | 0.061 | 0.049 | - | 19.7 | 20 | 65 | 0 |
| Ethyl tert-butyl ether | 0.516 | 0.419 | - | 18.8 | 20 | 62 | 0 |
| Vinyl acetate | 0.345 | 0.35 | - | -1.4 | 20 | 85 | 0 |
| cis-1,2-Dichloroethene | 0.164 | 0.157* | - | 4.3 | 20 | 72 | 0 |
| 2,2-Dichloropropane | 0.236 | 0.212 | - | 10.2 | 20 | 65 | 0 |
| Bromochloromethane | 0.077 | 0.074* | - | 3.9 | 20 | 72 | 0 |
| Cyclohexane | 0.284 | 0.292 | - | -2.8 | 20 | 75 | 0 |
| Chloroform | 0.277 | 0.255 | - | 7.9 | 20 | 69 | 0 |
| Ethyl acetate | 0.173 | 0.152 | - | 12.1 | 20 | 72 | 0 |
| Carbon tetrachloride | 0.214 | 0.214 | - | 0 | 20 | 73 | 0 |
| Tetrahydrofuran | 0.055 | 0.051 | - | 7.3 | 20 | 72 | 0 |
| Dibromofluoromethane | 0.259 | 0.256 | - | 1.2 | 20 | 76 | 0 |
| 1,1,1-Trichloroethane | 0.245 | 0.242 | - | 1.2 | 20 | 73 | 0 |
| 2-Butanone | 0.092 | 0.07 | - | 23.9* | 20 | 57 | 0 |
| 1,1-Dichloropropene | 0.208 | 0.207 | - | 0.5 | 20 | 72 | 0 |
| Benzene | 0.6 | 0.634 | - | -5.7 | 20 | 76 | 0 |
| tert-Amyl methyl ether | 0.455 | 0.377 | - | 17.1 | 20 | 64 | 0 |
| 1,2-Dichloroethane-d4 | 0.323 | 0.332 | - | -2.8 | 20 | 77 | 0 |
| 1,2-Dichloroethane | 0.223 | 0.208 | - | 6.7 | 20 | 71 | 0 |
| Methyl cyclohexane | 0.271 | 0.288 | - | -6.3 | 20 | 76 | 0 |
| Trichloroethene | 0.165 | 0.162* | - | 1.8 | 20 | 71 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : GONZO
 Lab File ID : VG221003A02
 Sample No : WG1694869-2
 Channel :

Lab Number : L2253502
 Project Number : 0047.0044Y047
 Calibration Date : 10/03/22 09:51
 Init. Calib. Date(s) : 07/27/22 07/27/22
 Init. Calib. Times : 15:30 19:24

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| Dibromomethane | 0.095 | 0.089 | - | 6.3 | 20 | 72 | 0 |
| 1,2-Dichloropropane | 0.174 | 0.164 | - | 5.7 | 20 | 72 | 0 |
| Bromodichloromethane | 0.19 | 0.209* | - | -10 | 20 | 83 | 0 |
| 1,4-Dioxane | 0.00202 | 0.00153* | - | 24.3* | 20 | 59 | 0 |
| cis-1,3-Dichloropropene | 0.26 | 0.243* | - | 6.5 | 20 | 71 | 0 |
| Chlorobenzene-d5 | 1 | 1 | - | 0 | 20 | 77 | 0 |
| Toluene-d8 | 1.279 | 1.281 | - | -0.2 | 20 | 77 | 0 |
| Toluene | 0.501 | 0.498 | - | 0.6 | 20 | 74 | 0 |
| 4-Methyl-2-pentanone | 0.081 | 0.064 | - | 21* | 20 | 62 | 0 |
| Tetrachloroethene | 0.22 | 0.221 | - | -0.5 | 20 | 74 | 0 |
| trans-1,3-Dichloropropene | 0.306 | 0.269* | - | 12.1 | 20 | 68 | 0 |
| Ethyl methacrylate | 0.279 | 0.208 | - | 25.4* | 20 | 58 | 0 |
| 1,1,2-Trichloroethane | 0.145 | 0.133* | - | 8.3 | 20 | 71 | 0 |
| Chlorodibromomethane | 0.207 | 0.2 | - | 3.4 | 20 | 77 | 0 |
| 1,3-Dichloropropane | 0.302 | 0.273 | - | 9.6 | 20 | 69 | 0 |
| 1,2-Dibromoethane | 0.179 | 0.165* | - | 7.8 | 20 | 72 | 0 |
| 2-Hexanone | 0.178 | 0.126 | - | 29.2* | 20 | 56 | 0 |
| Chlorobenzene | 0.542 | 0.567 | - | -4.6 | 20 | 78 | 0 |
| Ethylbenzene | 0.987 | 0.974 | - | 1.3 | 20 | 73 | 0 |
| 1,1,1,2-Tetrachloroethane | 0.202 | 0.205 | - | -1.5 | 20 | 79 | 0 |
| p/m Xylene | 0.379 | 0.397 | - | -4.7 | 20 | 77 | 0 |
| o Xylene | 0.366 | 0.375 | - | -2.5 | 20 | 75 | 0 |
| Styrene | 0.607 | 0.596 | - | 1.8 | 20 | 73 | 0 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 79 | 0 |
| Bromoform | 0.246 | 0.222 | - | 9.8 | 20 | 73 | 0 |
| Isopropylbenzene | 1.701 | 1.749 | - | -2.8 | 20 | 76 | 0 |
| 4-Bromofluorobenzene | 0.918 | 0.819 | - | 10.8 | 20 | 70 | 0 |
| Bromobenzene | 0.427 | 0.432 | - | -1.2 | 20 | 78 | 0 |
| n-Propylbenzene | 2.019 | 2.138 | - | -5.9 | 20 | 78 | 0 |
| 1,4-Dichlorobutane | 0.65 | 0.575 | - | 11.5 | 20 | 72 | 0 |
| 1,1,2,2-Tetrachloroethane | 0.398 | 0.375 | - | 5.8 | 20 | 77 | 0 |
| 4-Ethyltoluene | 1.672 | 1.764 | - | -5.5 | 20 | 78 | 0 |
| 2-Chlorotoluene | 1.204 | 1.239 | - | -2.9 | 20 | 78 | 0 |
| 1,3,5-Trimethylbenzene | 1.436 | 1.541 | - | -7.3 | 20 | 80 | 0 |
| 1,2,3-Trichloropropane | 0.352 | 0.316 | - | 10.2 | 20 | 74 | 0 |
| trans-1,4-Dichloro-2-buten | 0.152 | 0.085 | - | 44.1* | 20 | 46 | 0 |
| 4-Chlorotoluene | 1.238 | 1.259 | - | -1.7 | 20 | 77 | 0 |
| tert-Butylbenzene | 1.218 | 1.312 | - | -7.7 | 20 | 79 | 0 |
| 1,2,4-Trimethylbenzene | 1.395 | 1.458 | - | -4.5 | 20 | 79 | 0 |
| sec-Butylbenzene | 1.801 | 2.031 | - | -12.8 | 20 | 82 | 0 |
| p-Isopropyltoluene | 1.528 | 1.704 | - | -11.5 | 20 | 82 | 0 |
| 1,3-Dichlorobenzene | 0.795 | 0.871 | - | -9.6 | 20 | 84 | 0 |
| 1,4-Dichlorobenzene | 0.806 | 0.878 | - | -8.9 | 20 | 85 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : GONZO
Lab File ID : VG221003A02
Sample No : WG1694869-2
Channel :

Lab Number : L2253502
Project Number : 0047.0044Y047
Calibration Date : 10/03/22 09:51
Init. Calib. Date(s) : 07/27/22 07/27/22
Init. Calib. Times : 15:30 19:24

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|--------|--------|-------|----------|
| p-Diethylbenzene | 0.869 | 0.956 | - | -10 | 20 | 80 | 0 |
| n-Butylbenzene | 1.26 | 1.447 | - | -14.8 | 20 | 84 | 0 |
| 1,2-Dichlorobenzene | 0.764 | 0.799 | - | -4.6 | 20 | 80 | 0 |
| 1,2,4,5-Tetramethylbenzene | 1.206 | 1.073 | - | 11 | 20 | 68 | 0 |
| 1,2-Dibromo-3-chloropropan | 0.077 | 0.062 | - | 19.5 | 20 | 64 | 0 |
| 1,3,5-Trichlorobenzene | 0.525 | 0.541 | - | -3 | 20 | 78 | 0 |
| Hexachlorobutadiene | 0.21 | 0.259 | - | -23.3* | 20 | 91 | 0 |
| 1,2,4-Trichlorobenzene | 0.46 | 0.416 | - | 9.6 | 20 | 70 | 0 |
| Naphthalene | 1.07 | 0.762 | - | 28.8* | 20 | 58 | 0 |
| 1,2,3-Trichlorobenzene | 0.393 | 0.33* | - | 16 | 20 | 65 | 0 |

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 108 | 0.00 |
| 2 TP Dichlorodifluoromethane | 0.204 | 0.206 | -1.0 | 98 | 0.00 |
| 3 TP Chloromethane | 0.235 | 0.253 | -7.7 | 108 | 0.00 |
| 4 TC Vinyl chloride | 0.233 | 0.246 | -5.6 | 104 | 0.00 |
| 5 TP Bromomethane | 0.160 | 0.113 | 29.4# | 73 | 0.00 |
| 6 TP Chloroethane | 0.146 | 0.175 | -19.9 | 122 | 0.00 |
| 7 TP Trichlorofluoromethane | 0.358 | 0.364 | -1.7 | 101 | 0.00 |
| 8 TP Ethyl ether | 0.084 | 0.066 | 21.4# | 81 | 0.00 |
| 10 TC 1,1-Dichloroethene | 0.190 | 0.209 | -10.0 | 108 | 0.00 |
| 11 TP Carbon disulfide | 0.472 | 0.555 | -17.6 | 119 | 0.00 |
| 12 TP Freon-113 | 0.211 | 0.201 | 4.7 | 91 | 0.00 |
| 13 TP Iodomethane | 0.212 | 0.114 | 46.2# | 58 | 0.00 |
| 14 TP Acrolein | 0.021 | 0.019 | 9.5 | 97 | 0.00 |
| 15 TP Methylene chloride | 0.213 | 0.234 | -9.9 | 116 | 0.00 |
| 17 TP Acetone | 0.033 | 0.038 | -15.2 | 129 | 0.00 |
| 18 TP trans-1,2-Dichloroethene | 0.206 | 0.211 | -2.4 | 102 | 0.00 |
| 19 TP Methyl acetate | 0.086 | 0.074 | 14.0 | 92 | 0.00 |
| 20 TP Methyl tert-butyl ether | 0.401 | 0.270 | 32.7# | 74 | 0.00 |
| 21 TP tert-Butyl alcohol | 0.00619 | 0.00639# | -3.2 | 124 | -0.01 |
| 22 TP Diisopropyl ether | 0.698 | 0.555 | 20.5# | 87 | 0.00 |
| 23 TP 1,1-Dichloroethane | 0.412 | 0.438 | -6.3 | 108 | 0.00 |
| 24 TP Halothane | 0.159 | 0.146 | 8.2 | 93 | 0.00 |
| 25 TP Acrylonitrile | 0.043 | 0.040 | 7.0 | 101 | -0.01 |
| 26 TP Ethyl tert-butyl ether | 0.554 | 0.418 | 24.5# | 86 | 0.00 |
| 27 TP Vinyl acetate | 0.368 | 0.254 | 31.0# | 84 | 0.00 |
| 28 TP cis-1,2-Dichloroethene | 0.237 | 0.241 | -1.7 | 107 | 0.00 |
| 29 TP 2,2-Dichloropropane | 0.271 | 0.250 | 7.7 | 102 | 0.00 |
| 30 TP Bromochloromethane | 0.103 | 0.107 | -3.9 | 110 | 0.00 |
| 31 TP Cyclohexane | 0.408 | 0.352 | 13.7 | 85 | 0.00 |
| 32 TC Chloroform | 0.404 | 0.403 | 0.2 | 102 | 0.00 |
| 33 TP Ethyl acetate | 0.118 | 0.075 | 36.4# | 74 | 0.00 |
| 34 TP Carbon tetrachloride | 0.287 | 0.277 | 3.5 | 95 | 0.00 |
| 35 TP Tetrahydrofuran | 0.032 | 0.025 | 21.9# | 81 | 0.00 |
| 36 S Dibromofluoromethane | 0.264 | 0.270 | -2.3 | 111 | 0.00 |
| 37 TP 1,1,1-Trichloroethane | 0.335 | 0.310 | 7.5 | 91 | -0.01 |
| 39 TP 2-Butanone | 0.050 | 0.041 | 18.0 | 94 | -0.01 |
| 40 TP 1,1-Dichloropropene | 0.285 | 0.266 | 6.7 | 92 | 0.00 |
| 41 TP Benzene | 0.848 | 0.870 | -2.6 | 105 | 0.00 |
| 42 TP tert-Amyl methyl ether | 0.445 | 0.321 | 27.9# | 83 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 0.290 | 0.241 | 16.9 | 90 | -0.01 |
| 44 TP 1,2-Dichloroethane | 0.297 | 0.238 | 19.9 | 86 | 0.00 |
| 47 TP Methyl cyclohexane | 0.383 | 0.383 | 0.0 | 101 | 0.00 |
| 48 TP Trichloroethene | 0.221 | 0.216 | 2.3 | 96 | 0.00 |
| 50 TP Dibromomethane | 0.118 | 0.107 | 9.3 | 97 | -0.01 |
| 51 TC 1,2-Dichloropropane | 0.224 | 0.206 | 8.0 | 96 | 0.00 |
| 53 TP 2-Chloroethyl vinyl ether | 0.108 | 0.079 | 26.9# | 80 | 0.00 |
| 54 TP Bromodichloromethane | 0.303 | 0.255# | 15.8 | 90 | -0.01 |
| 57 TP 1,4-Dioxane | 0.00074 | 0.00077# | -4.1 | 103 | 0.00 |
| 58 TP cis-1,3-Dichloropropene | 0.301 | 0.274# | 9.0 | 96 | 0.00 |
| 59 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 60 S Toluene-d8 | 1.299 | 1.286 | 1.0 | 115 | 0.00 |
| 61 TC Toluene | 0.726 | 0.727 | -0.1 | 112 | 0.00 |
| 62 TP 4-Methyl-2-pentanone | 0.064 | 0.048 | 25.0# | 92 | 0.00 |
| 63 TP Tetrachloroethene | 0.308 | 0.288 | 6.5 | 102 | 0.00 |
| 65 TP trans-1,3-Dichloropropene * | 10.000 | 8.841 | 11.6 | 105 | 0.00 |
| 67 TP Ethyl methacrylate | 0.241 | 0.196 | 18.7 | 103 | 0.00 |
| 68 TP 1,1,2-Trichloroethane | 0.177 | 0.156# | 11.9 | 103 | 0.00 |
| 69 TP Chlorodibromomethane | 0.261 | 0.227 | 13.0 | 105 | -0.01 |
| 70 TP 1,3-Dichloropropane | 0.373 | 0.328 | 12.1 | 102 | 0.00 |
| 71 TP 1,2-Dibromoethane | 0.199 | 0.175# | 12.1 | 102 | 0.00 |
| 72 TP 2-Hexanone | 0.112 | 0.086 | 23.2# | 98 | 0.00 |
| 73 TP Chlorobenzene | 0.802 | 0.815 | -1.6 | 115 | -0.01 |
| 74 TC Ethylbenzene | 1.414 | 1.451 | -2.6 | 113 | 0.00 |
| 75 TP 1,1,1,2-Tetrachloroethane | 0.268 | 0.254 | 5.2 | 113 | -0.01 |
| 76 TP p/m Xylene | 0.526 | 0.556 | -5.7 | 114 | 0.00 |
| 77 TP o Xylene | 0.513 | 0.532 | -3.7 | 114 | 0.00 |
| 78 TP Styrene | 0.829 | 0.893 | -7.7 | 117 | -0.01 |
| 79 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 115 | -0.01 |
| 80 TP Bromoform | 0.293 | 0.266 | 9.2 | 112 | -0.01 |
| 82 TP Isopropylbenzene | 2.676 | 2.826 | -5.6 | 112 | 0.00 |
| 83 S 4-Bromofluorobenzene | 0.948 | 0.936 | 1.3 | 113 | 0.00 |
| 84 TP Bromobenzene | 0.664 | 0.630 | 5.1 | 110 | -0.01 |
| 85 TP n-Propylbenzene | 3.228 | 3.512 | -8.8 | 114 | 0.00 |
| 86 TP 1,4-Dichlorobutane | 0.745 | 0.660 | 11.4 | 105 | -0.01 |
| 87 TP 1,1,2,2-Tetrachloroethane | 0.485 | 0.445 | 8.2 | 110 | 0.00 |
| 88 TP 4-Ethyltoluene | 2.640 | 2.726 | -3.3 | 111 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 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 | 2.256 | 2.363 | -4.7 | 113 | -0.01 |
| 90 TP | 1,3,5-Trimethylbenzene | 2.283 | 2.143 | 6.1 | 102 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.390 | 0.358 | 8.2 | 111 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.136 | 0.104 | 23.5# | 96 | -0.01 |
| 93 TP | 4-Chlorotoluene | 2.024 | 2.062 | -1.9 | 113 | -0.01 |
| 94 TP | tert-Butylbenzene | 1.970 | 2.035 | -3.3 | 110 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 2.245 | 2.070 | 7.8 | 101 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.951 | 3.207 | -8.7 | 113 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.525 | 2.597 | -2.9 | 109 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.274 | 1.305 | -2.4 | 113 | -0.01 |
| 101 TP | 1,4-Dichlorobenzene | 1.281 | 1.268 | 1.0 | 112 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.530 | 1.453 | 5.0 | 104 | 0.00 |
| 103 TP | n-Butylbenzene | 2.345 | 2.438 | -4.0 | 110 | -0.01 |
| 104 TP | 1,2-Dichlorobenzene | 1.194 | 1.167 | 2.3 | 112 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.338 | 2.036 | 12.9 | 98 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.062 | 0.063 | -1.6 | 120 | -0.01 |
| 107 TP | 1,3,5-Trichlorobenzene | 1.017 | 0.912 | 10.3 | 100 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.461 | 0.363 | 21.3# | 88 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.884 | 0.779 | 11.9 | 102 | 0.00 |
| 110 TP | Naphthalene | 1.590 | 1.436 | 9.7 | 106 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.784 | 0.704 | 10.2 | 103 | 0.00 |

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|--------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 288309 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = 100.00% | | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 231257 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = 100.00% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.980 | 152 | 116817 | 10.000 | ug/L | -0.01 | |
| Standard Area 1 = 116817 | | | Recovery = 100.00% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.489 | 113 | 77725 | 10.208 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 102.08% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.127 | 65 | 69587 | 8.324 | ug/L | -0.01 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 83.24% | | | | |
| 60) Toluene-d8 | 7.188 | 98 | 297301 | 9.897 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.97% | | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 109292 | 9.868 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.68% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 0.936 | 85 | 59273 | 10.102 | ug/L | | 99 |
| 3) Chloromethane | 1.056 | 50 | 73009 | 10.783 | ug/L | | 99 |
| 4) Vinyl chloride | 1.109 | 62 | 70953 | 10.562 | ug/L | | 95 |
| 5) Bromomethane | 1.312 | 94 | 32705 | 7.073 | ug/L | | 99 |
| 6) Chloroethane | 1.399 | 64 | 50500 | 11.967 | ug/L | | 95 |
| 7) Trichlorofluoromethane | 1.494 | 101 | 105068 | 10.174 | ug/L | | 99 |
| 8) Ethyl ether | 1.728 | 74 | 19056 | 7.825 | ug/L | | 78 |
| 10) 1,1-Dichloroethene | 1.851 | 96 | 60143 | 10.956 | ug/L | | 75 |
| 11) Carbon disulfide | 1.859 | 76 | 160050 | 11.750 | ug/L | | 99 |
| 12) Freon-113 | 1.898 | 101 | 57945 | 9.505 | ug/L | | 94 |
| 13) Iodomethane | 1.954 | 142 | 32775 | 5.355 | ug/L | | 88 |
| 14) Acrolein | 2.127 | 56 | 5377 | 8.954 | ug/L | | 92 |
| 15) Methylene chloride | 2.339 | 84 | 67423 | 10.955 | ug/L | | 76 |
| 17) Acetone | 2.397 | 43 | 11005 | 11.566 | ug/L | | 94 |
| 18) trans-1,2-Dichloroethene | 2.481 | 96 | 60754 | 10.231 | ug/L | | 80 |
| 19) Methyl acetate | 2.528 | 43 | 21289 | 8.624 | ug/L | # | 96 |
| 20) Methyl tert-butyl ether | 2.617 | 73 | 77902 | 6.736 | ug/L | | 92 |
| 21) tert-Butyl alcohol | 2.768 | 59 | 9216M1 | 51.609 | ug/L | | |
| 22) Diisopropyl ether | 3.050 | 45 | 159901 | 7.944 | ug/L | # | 88 |
| 23) 1,1-Dichloroethane | 3.117 | 63 | 126275 | 10.643 | ug/L | | 99 |
| 24) Halothane | 3.278 | 117 | 42157M1 | 9.212 | ug/L | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 3.186 | 53 | 11564 | 9.234 | ug/L # | 80 |
| 26) Ethyl tert-butyl ether | 3.493 | 59 | 120569 | 7.547 | ug/L | 97 |
| 27) Vinyl acetate | 3.493 | 43 | 73092 | 6.891 | ug/L # | 89 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 69602 | 10.203 | ug/L # | 72 |
| 29) 2,2-Dichloropropane | 3.953 | 77 | 72165 | 9.224 | ug/L | 83 |
| 30) Bromochloromethane | 4.082 | 128 | 30878 | 10.404 | ug/L # | 63 |
| 31) Cyclohexane | 4.056 | 56 | 101366 | 8.615 | ug/L | 73 |
| 32) Chloroform | 4.246 | 83 | 116126 | 9.981 | ug/L # | 95 |
| 33) Ethyl acetate | 4.500 | 43 | 21494 | 6.323 | ug/L # | 78 |
| 34) Carbon tetrachloride | 4.363 | 117 | 79865 | 9.663 | ug/L # | 93 |
| 35) Tetrahydrofuran | 4.438 | 42 | 7101M6 | 7.697 | ug/L | |
| 37) 1,1,1-Trichloroethane | 4.458 | 97 | 89288 | 9.235 | ug/L # | 97 |
| 39) 2-Butanone | 4.681 | 43 | 11758 | 8.081 | ug/L # | 71 |
| 40) 1,1-Dichloropropene | 4.642 | 75 | 76825 | 9.341 | ug/L | 98 |
| 41) Benzene | 4.954 | 78 | 250871 | 10.265 | ug/L | 91 |
| 42) tert-Amyl methyl ether | 5.189 | 73 | 92593 | 7.223 | ug/L | 86 |
| 44) 1,2-Dichloroethane | 5.211 | 62 | 68646 | 8.017 | ug/L | 99 |
| 47) Methyl cyclohexane | 5.640 | 83 | 110296 | 9.987 | ug/L # | 74 |
| 48) Trichloroethene | 5.677 | 95 | 62176 | 9.776 | ug/L | 100 |
| 50) Dibromomethane | 6.120 | 93 | 30732 | 9.071 | ug/L | 98 |
| 51) 1,2-Dichloropropane | 6.240 | 63 | 59471 | 9.218 | ug/L | 95 |
| 53) 2-Chloroethyl vinyl ether | 7.004 | 63 | 22806 | 7.352 | ug/L | 94 |
| 54) Bromodichloromethane | 6.349 | 83 | 73388 | 8.411 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.580 | 88 | 11083 | 519.013 | ug/L # | 83 |
| 58) cis-1,3-Dichloropropene | 7.010 | 75 | 78945 | 9.101 | ug/L | 91 |
| 61) Toluene | 7.238 | 92 | 168159 | 10.016 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 7.654 | 58 | 11173 | 7.525 | ug/L # | 91 |
| 63) Tetrachloroethene | 7.595 | 166 | 66658 | 9.372 | ug/L | 94 |
| 65) trans-1,3-Dichloropropene | 7.668 | 75 | 63940 | 8.841 | ug/L | 93 |
| 67) Ethyl methacrylate | 7.857 | 69 | 45411 | 8.137 | ug/L | 96 |
| 68) 1,1,2-Trichloroethane | 7.796 | 83 | 36061 | 8.835 | ug/L | 98 |
| 69) Chlorodibromomethane | 7.927 | 129 | 52537 | 8.715 | ug/L | 96 |
| 70) 1,3-Dichloropropane | 8.008 | 76 | 75921 | 8.811 | ug/L | 100 |
| 71) 1,2-Dibromoethane | 8.089 | 107 | 40448 | 8.769 | ug/L | 98 |
| 72) 2-Hexanone | 8.334 | 43 | 19980 | 7.680 | ug/L | 95 |
| 73) Chlorobenzene | 8.502 | 112 | 188374 | 10.160 | ug/L | 93 |
| 74) Ethylbenzene | 8.546 | 91 | 335454 | 10.260 | ug/L | 99 |
| 75) 1,1,1,2-Tetrachloroethane | 8.560 | 131 | 58736 | 9.479 | ug/L | 93 |
| 76) p/m Xylene | 8.652 | 106 | 257378 | 21.164 | ug/L | 98 |
| 77) o Xylene | 8.937 | 106 | 245936 | 20.712 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 78) Styrene | 8.973 | 104 | 412916 | 21.539 | ug/L | 91 |
| 80) Bromoform | 8.973 | 173 | 31047 | 9.083 | ug/L | 97 |
| 82) Isopropylbenzene | 9.149 | 105 | 330175 | 10.564 | ug/L | 98 |
| 84) Bromobenzene | 9.366 | 156 | 73597 | 9.487 | ug/L | 97 |
| 85) n-Propylbenzene | 9.408 | 91 | 410284 | 10.882 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 9.408 | 55 | 77143 | 8.862 | ug/L | 96 |
| 87) 1,1,2,2-Tetrachloroethane | 9.458 | 83 | 51947 | 9.172 | ug/L | 99 |
| 88) 4-Ethyltoluene | 9.478 | 105 | 318449 | 10.326 | ug/L | 98 |
| 89) 2-Chlorotoluene | 9.486 | 91 | 276012 | 10.475 | ug/L | 96 |
| 90) 1,3,5-Trimethylbenzene | 9.531 | 105 | 250395 | 9.390 | ug/L | 91 |
| 91) 1,2,3-Trichloropropane | 9.525 | 75 | 41839 | 9.195 | ug/L | 96 |
| 92) trans-1,4-Dichloro-2-b... | 9.558 | 53 | 12180 | 7.691 | ug/L | 98 |
| 93) 4-Chlorotoluene | 9.589 | 91 | 240889 | 10.189 | ug/L | 94 |
| 94) tert-Butylbenzene | 9.717 | 119 | 237718 | 10.331 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 241757 | 9.219 | ug/L | 96 |
| 98) sec-Butylbenzene | 9.821 | 105 | 374590 | 10.868 | ug/L | 100 |
| 99) p-Isopropyltoluene | 9.910 | 119 | 303325 | 10.282 | ug/L | 96 |
| 100) 1,3-Dichlorobenzene | 9.935 | 146 | 152394 | 10.239 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.991 | 146 | 148106 | 9.896 | ug/L | 98 |
| 102) p-Diethylbenzene | 10.119 | 119 | 169791 | 9.502 | ug/L | 96 |
| 103) n-Butylbenzene | 10.150 | 91 | 284826 | 10.395 | ug/L | 100 |
| 104) 1,2-Dichlorobenzene | 10.231 | 146 | 136293 | 9.769 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 10.574 | 119 | 237789 | 8.708 | ug/L | 97 |
| 106) 1,2-Dibromo-3-chloropr... | 10.682 | 155 | 7305 | 10.059 | ug/L | 96 |
| 107) 1,3,5-Trichlorobenzene | 10.702 | 180 | 106576 | 8.969 | ug/L | 96 |
| 108) Hexachlorobutadiene | 11.050 | 225 | 42409 | 7.878 | ug/L | 95 |
| 109) 1,2,4-Trichlorobenzene | 11.062 | 180 | 90955 | 8.808 | ug/L | 98 |
| 110) Naphthalene | 11.240 | 128 | 167719 | 9.032 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 11.343 | 180 | 82200 | 8.976 | ug/L | 100 |

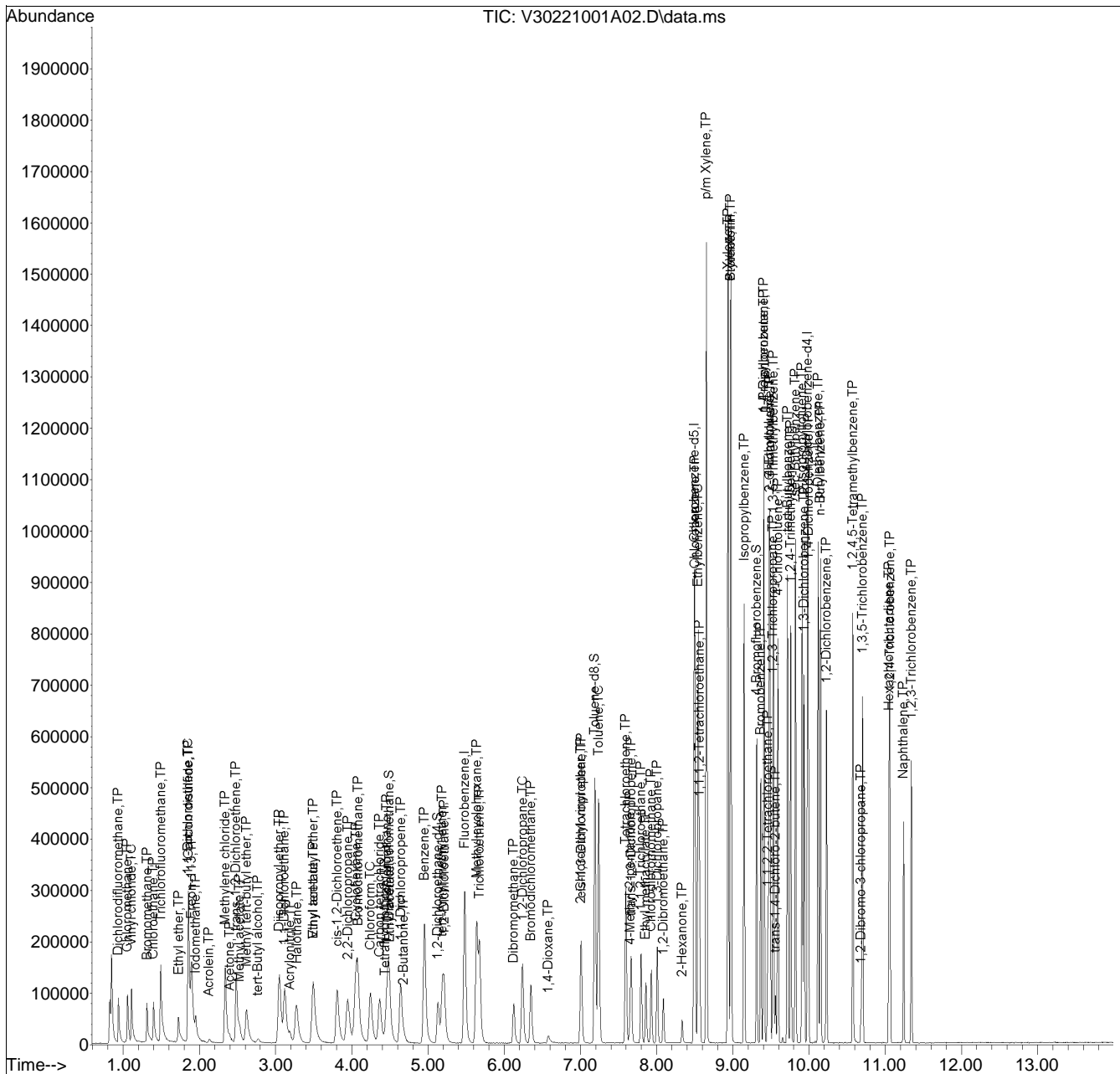
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-2
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

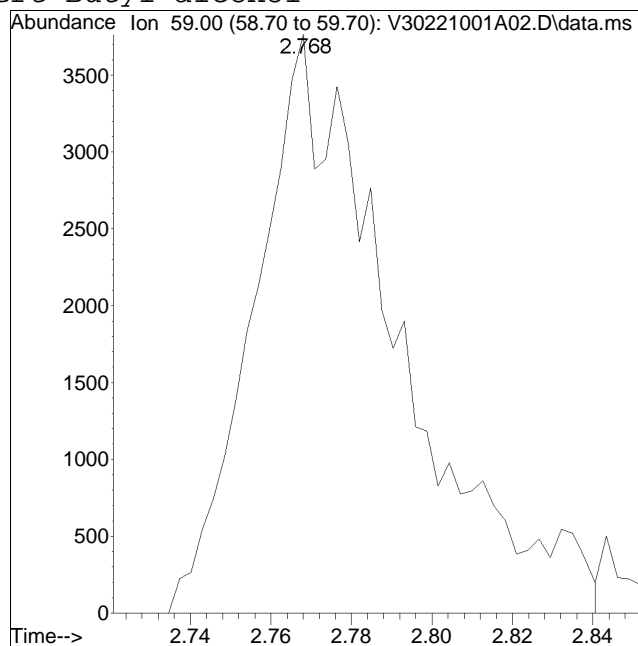
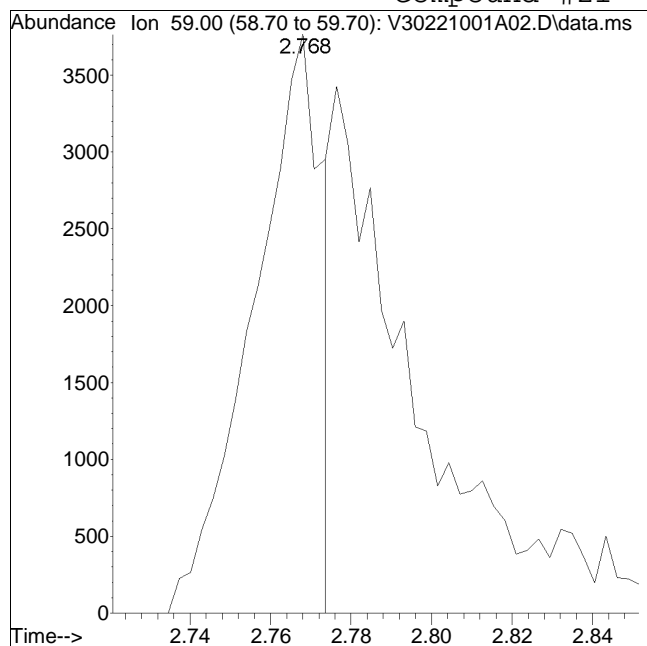
Sub List : 8260-Curve - Megamix plus Diox21001A\V30221001A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A02.D Operator : VOA130:TMS
Date Inj'd : 10/1/2022 9:34 am Instrument : VOA130
Sample : WG1694829-2 Quant Date : 10/1/2022 9:54 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 4454

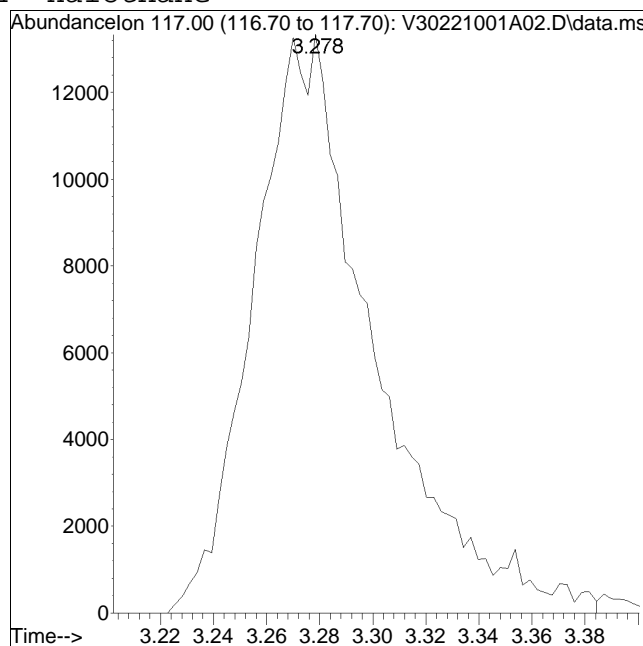
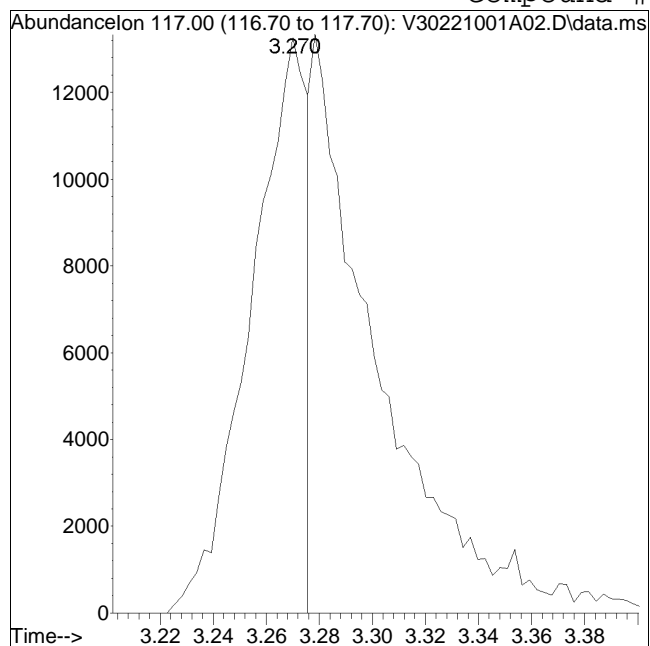
Manual Peak Response = 9216 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A02.D Operator : VOA130:TMS
Date Inj'd : 10/1/2022 9:34 am Instrument : VOA130
Sample : WG1694829-2 Quant Date : 10/1/2022 9:54 am

Compound #24: Halothane



Original Peak Response = 19498

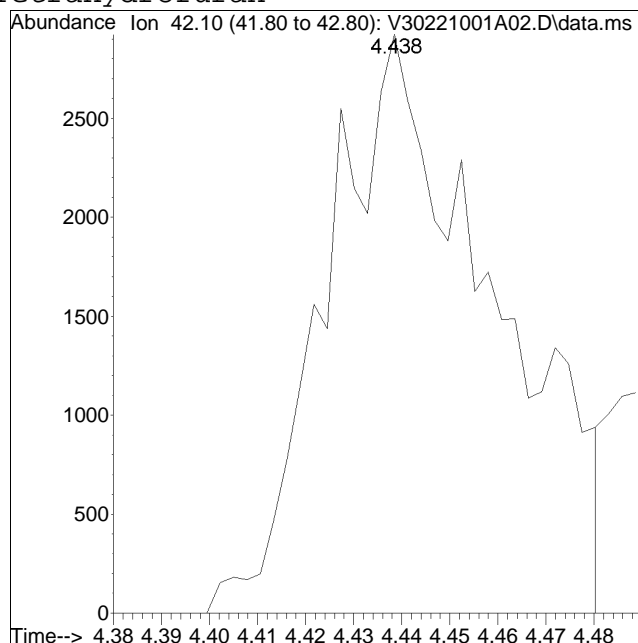
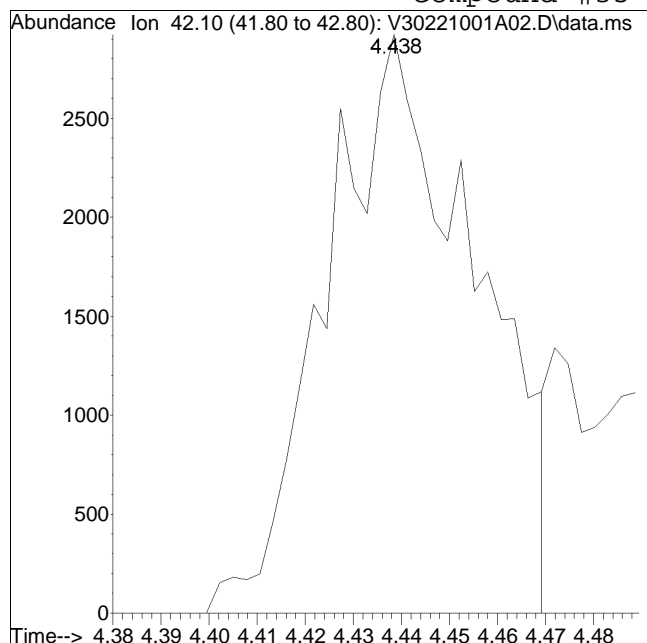
Manual Peak Response = 42157 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A02.D Operator : VOA130:TMS
Date Inj'd : 10/1/2022 9:34 am Instrument : VOA130
Sample : WG1694829-2 Quant Date : 10/1/2022 9:54 am

Compound #35: Tetrahydrofuran



Original Peak Response = 6356

Manual Peak Response = 7101 M6

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

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 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 | 77 | 0.00 |
| 2 TP | Dichlorodifluoromethane | 0.100 | 0.101 | -1.0 | 72 | 0.00 |
| 3 TP | Chloromethane | 0.148 | 0.153 | -3.4 | 78 | 0.00 |
| 4 TC | Vinyl chloride | 0.130 | 0.140 | -7.7 | 77 | 0.00 |
| 5 TP | Bromomethane | 0.071 | 0.038 | 46.5# | 46# | 0.00 |
| 6 TP | Chloroethane | * 10.000 | 16.338 | -63.4# | 112 | 0.00 |
| 7 TP | Trichlorofluoromethane | 0.198 | 0.188 | 5.1 | 73 | 0.00 |
| 8 TP | Ethyl ether | 0.074 | 0.059 | 20.3# | 61 | 0.00 |
| 10 TC | 1,1-Dichloroethene | 0.125 | 0.126 | -0.8 | 73 | 0.00 |
| 11 TP | Carbon disulfide | 0.314 | 0.325 | -3.5 | 77 | 0.00 |
| 12 TP | Freon-113 | 0.126 | 0.135 | -7.1 | 77 | 0.00 |
| 13 TP | Iodomethane | 0.197 | 0.069 | 65.0# | 28# | 0.00 |
| 14 TP | Acrolein | 0.023 | 0.024 | -4.3 | 81 | 0.00 |
| 15 TP | Methylene chloride | 0.157 | 0.137 | 12.7 | 71 | 0.00 |
| 17 TP | Acetone | 0.050 | 0.040 | 20.0# | 69 | 0.00 |
| 18 TP | trans-1,2-Dichloroethene | 0.140 | 0.139 | 0.7 | 73 | 0.00 |
| 19 TP | Methyl acetate | 0.118 | 0.100 | 15.3 | 69 | 0.00 |
| 20 TP | Methyl tert-butyl ether | 0.428 | 0.314 | 26.6# | 57 | 0.00 |
| 21 TP | tert-Butyl alcohol | 0.019 | 0.012 | 36.8# | 50# | 0.00 |
| 22 TP | Diisopropyl ether | 0.533 | 0.519 | 2.6 | 73 | 0.00 |
| 23 TP | 1,1-Dichloroethane | 0.282 | 0.276# | 2.1 | 72 | 0.00 |
| 24 TP | Halothane | 0.119 | 0.113 | 5.0 | 72 | 0.00 |
| 25 TP | Acrylonitrile | 0.061 | 0.049 | 19.7 | 65 | 0.00 |
| 26 TP | Ethyl tert-butyl ether | 0.516 | 0.419 | 18.8 | 62 | 0.00 |
| 27 TP | Vinyl acetate | 0.345 | 0.350 | -1.4 | 85 | 0.00 |
| 28 TP | cis-1,2-Dichloroethene | 0.164 | 0.157# | 4.3 | 72 | 0.00 |
| 29 TP | 2,2-Dichloropropane | 0.236 | 0.212 | 10.2 | 65 | 0.00 |
| 30 TP | Bromochloromethane | 0.077 | 0.074# | 3.9 | 72 | 0.00 |
| 31 TP | Cyclohexane | 0.284 | 0.292 | -2.8 | 75 | 0.00 |
| 32 TC | Chloroform | 0.277 | 0.255 | 7.9 | 69 | 0.00 |
| 33 TP | Ethyl acetate | 0.173 | 0.152 | 12.1 | 72 | 0.00 |
| 34 TP | Carbon tetrachloride | 0.214 | 0.214 | 0.0 | 73 | 0.00 |
| 35 TP | Tetrahydrofuran | 0.055 | 0.051 | 7.3 | 72 | 0.00 |
| 36 S | Dibromofluoromethane | 0.259 | 0.256 | 1.2 | 76 | 0.00 |
| 37 TP | 1,1,1-Trichloroethane | 0.245 | 0.242 | 1.2 | 73 | 0.00 |
| 39 TP | 2-Butanone | 0.092 | 0.070 | 23.9# | 57 | 0.00 |
| 40 TP | 1,1-Dichloropropene | 0.208 | 0.207 | 0.5 | 72 | 0.00 |
| 41 TP | Benzene | 0.600 | 0.634 | -5.7 | 76 | 0.00 |
| 42 TP | tert-Amyl methyl ether | 0.455 | 0.377 | 17.1 | 64 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|---------------------------|---------|----------|-------|-------|----------|
| 43 S | 1,2-Dichloroethane-d4 | 0.323 | 0.332 | -2.8 | 77 | 0.00 |
| 44 TP | 1,2-Dichloroethane | 0.223 | 0.208 | 6.7 | 71 | 0.00 |
| 47 TP | Methyl cyclohexane | 0.271 | 0.288 | -6.3 | 76 | 0.00 |
| 48 TP | Trichloroethene | 0.165 | 0.162# | 1.8 | 71 | 0.00 |
| 50 TP | Dibromomethane | 0.095 | 0.089 | 6.3 | 72 | 0.00 |
| 51 TC | 1,2-Dichloropropane | 0.174 | 0.164 | 5.7 | 72 | 0.00 |
| 54 TP | Bromodichloromethane | 0.190 | 0.209# | -10.0 | 83 | 0.00 |
| 57 TP | 1,4-Dioxane | 0.00202 | 0.00153# | 24.3# | 59 | 0.00 |
| 58 TP | cis-1,3-Dichloropropene | 0.260 | 0.243# | 6.5 | 71 | 0.00 |
| 59 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 60 S | Toluene-d8 | 1.279 | 1.281 | -0.2 | 77 | 0.00 |
| 61 TC | Toluene | 0.501 | 0.498 | 0.6 | 74 | 0.00 |
| 62 TP | 4-Methyl-2-pentanone | 0.081 | 0.064 | 21.0# | 62 | 0.00 |
| 63 TP | Tetrachloroethene | 0.220 | 0.221 | -0.5 | 74 | 0.00 |
| 65 TP | trans-1,3-Dichloropropene | 0.306 | 0.269# | 12.1 | 68 | 0.00 |
| 67 TP | Ethyl methacrylate | 0.279 | 0.208 | 25.4# | 58 | 0.00 |
| 68 TP | 1,1,2-Trichloroethane | 0.145 | 0.133# | 8.3 | 71 | 0.00 |
| 69 TP | Chlorodibromomethane | 0.207 | 0.200 | 3.4 | 77 | 0.00 |
| 70 TP | 1,3-Dichloropropane | 0.302 | 0.273 | 9.6 | 69 | 0.00 |
| 71 TP | 1,2-Dibromoethane | 0.179 | 0.165# | 7.8 | 72 | 0.00 |
| 72 TP | 2-Hexanone | 0.178 | 0.126 | 29.2# | 56 | 0.00 |
| 73 TP | Chlorobenzene | 0.542 | 0.567 | -4.6 | 78 | 0.00 |
| 74 TC | Ethylbenzene | 0.987 | 0.974 | 1.3 | 73 | 0.00 |
| 75 TP | 1,1,1,2-Tetrachloroethane | 0.202 | 0.205 | -1.5 | 79 | 0.00 |
| 76 TP | p/m Xylene | 0.379 | 0.397 | -4.7 | 77 | 0.00 |
| 77 TP | o Xylene | 0.366 | 0.375 | -2.5 | 75 | 0.00 |
| 78 TP | Styrene | 0.607 | 0.596 | 1.8 | 73 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 80 TP | Bromoform | 0.246 | 0.222 | 9.8 | 73 | 0.00 |
| 82 TP | Isopropylbenzene | 1.701 | 1.749 | -2.8 | 76 | 0.00 |
| 83 S | 4-Bromofluorobenzene | 0.918 | 0.819 | 10.8 | 70 | 0.00 |
| 84 TP | Bromobenzene | 0.427 | 0.432 | -1.2 | 78 | 0.00 |
| 85 TP | n-Propylbenzene | 2.019 | 2.138 | -5.9 | 78 | 0.00 |
| 86 TP | 1,4-Dichlorobutane | 0.650 | 0.575 | 11.5 | 72 | 0.00 |
| 87 TP | 1,1,2,2-Tetrachloroethane | 0.398 | 0.375 | 5.8 | 77 | 0.00 |
| 88 TP | 4-Ethyltoluene | 1.672 | 1.764 | -5.5 | 78 | 0.00 |
| 89 TP | 2-Chlorotoluene | 1.204 | 1.239 | -2.9 | 78 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 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) |
|--------|-----------------------------|-------|--------|--------|-------|----------|
| 90 TP | 1,3,5-Trimethylbenzene | 1.436 | 1.541 | -7.3 | 80 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.352 | 0.316 | 10.2 | 74 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.152 | 0.085 | 44.1# | 46# | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.238 | 1.259 | -1.7 | 77 | 0.00 |
| 94 TP | tert-Butylbenzene | 1.218 | 1.312 | -7.7 | 79 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 1.395 | 1.458 | -4.5 | 79 | 0.00 |
| 98 TP | sec-Butylbenzene | 1.801 | 2.031 | -12.8 | 82 | 0.00 |
| 99 TP | p-Isopropyltoluene | 1.528 | 1.704 | -11.5 | 82 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 0.795 | 0.871 | -9.6 | 84 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 0.806 | 0.878 | -8.9 | 85 | 0.00 |
| 102 TP | p-Diethylbenzene | 0.869 | 0.956 | -10.0 | 80 | 0.00 |
| 103 TP | n-Butylbenzene | 1.260 | 1.447 | -14.8 | 84 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 0.764 | 0.799 | -4.6 | 80 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 1.206 | 1.073 | 11.0 | 68 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.077 | 0.062 | 19.5 | 64 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 0.525 | 0.541 | -3.0 | 78 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.210 | 0.259 | -23.3# | 91 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.460 | 0.416 | 9.6 | 70 | 0.00 |
| 110 TP | Naphthalene | 1.070 | 0.762 | 28.8# | 58 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.393 | 0.330# | 16.0 | 65 | 0.00 |

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869, ICAL19212 (Sig #1); WG, ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|---------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 435298 | 10.000 | ug/L | 0.00 |
| 59) Chlorobenzene-d5 | 9.768 | 117 | 345913 | 10.000 | ug/L | 0.00 |
| 79) 1,4-Dichlorobenzene-d4 | 12.426 | 152 | 201700 | 10.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.395 | 113 | 111588 | 9.908 | ug/L | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 99.08% | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 144655 | 10.303 | ug/L | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 103.03% | |
| 60) Toluene-d8 | 7.915 | 98 | 443075 | 10.018 | ug/L | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 100.18% | |
| 83) 4-Bromofluorobenzene | 11.233 | 95 | 165218 | 8.919 | ug/L | 0.00 |
| Spiked Amount | 10.000 | Range 70 - 130 | Recovery | = | 89.19% | |
| Target Compounds | | | | | | |
| 2) Dichlorodifluoromethane | 1.725 | 85 | 43935 | 10.072 | ug/L | 93 |
| 3) Chloromethane | 1.945 | 50 | 66625 | 10.362 | ug/L | 100 |
| 4) Vinyl chloride | 2.006 | 62 | 60727 | 10.752 | ug/L | 98 |
| 5) Bromomethane | 2.333 | 94 | 16483 | 5.304 | ug/L | 99 |
| 6) Chloroethane | 2.432 | 64 | 33522 | 16.338 | ug/L | 96 |
| 7) Trichlorofluoromethane | 2.584 | 101 | 81993 | 9.516 | ug/L | 99 |
| 8) Ethyl ether | 2.903 | 74 | 25645 | 7.964 | ug/L # | 73 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 54887 | 10.079 | ug/L | 87 |
| 11) Carbon disulfide | 3.138 | 76 | 141504 | 10.347 | ug/L | 99 |
| 12) Freon-113 | 3.138 | 101 | 58599 | 10.685 | ug/L | 95 |
| 13) Iodomethane | 3.252 | 142 | 29926 | 3.485 | ug/L | 98 |
| 14) Acrolein | 3.434 | 56 | 10407 | 10.438 | ug/L | 97 |
| 15) Methylene chloride | 3.678 | 84 | 59726 | 8.717 | ug/L # | 74 |
| 17) Acetone | 3.723 | 43 | 17371 | 8.030 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 60698 | 9.944 | ug/L | 90 |
| 19) Methyl acetate | 3.837 | 43 | 43542 | 8.458 | ug/L # | 90 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 136758 | 7.346 | ug/L # | 86 |
| 21) tert-Butyl alcohol | 4.012 | 59 | 25680 | 31.567 | ug/L | 89 |
| 22) Diisopropyl ether | 4.278 | 45 | 226118 | 9.749 | ug/L | 95 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 120068 | 9.793 | ug/L | 99 |
| 24) Halothane | 4.475 | 117 | 49310 | 9.558 | ug/L | 98 |
| 25) Acrylonitrile | 4.483 | 53 | 21480 | 8.087 | ug/L | 95 |
| 26) Ethyl tert-butyl ether | 4.635 | 59 | 182488 | 8.127 | ug/L # | 82 |
| 27) Vinyl acetate | 4.658 | 43 | 152363 | 10.141 | ug/L # | 94 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 68183 | 9.565 | ug/L | 89 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869, ICAL19212 (Sig #1); WG, ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 29) 2,2-Dichloropropane | 5.053 | 77 | 92264 | 8.980 | ug/L | 92 |
| 30) Bromochloromethane | 5.151 | 128 | 32085 | 9.624 | ug/L # | 79 |
| 31) Cyclohexane | 5.136 | 56 | 127214 | 10.302 | ug/L | 78 |
| 32) Chloroform | 5.220 | 83 | 110962 | 9.207 | ug/L | 96 |
| 33) Ethyl acetate | 5.326 | 43 | 65994 | 8.782 | ug/L # | 96 |
| 34) Carbon tetrachloride | 5.349 | 117 | 93265 | 10.015 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.372 | 42 | 22289M6 | 9.247 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.417 | 97 | 105403 | 9.874 | ug/L | 95 |
| 39) 2-Butanone | 5.516 | 43 | 30448 | 7.573 | ug/L # | 69 |
| 40) 1,1-Dichloropropene | 5.539 | 75 | 90172 | 9.970 | ug/L | 99 |
| 41) Benzene | 5.790 | 78 | 276073 | 10.565 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.888 | 73 | 163995 | 8.279 | ug/L | 93 |
| 44) 1,2-Dichloroethane | 6.002 | 62 | 90426 | 9.333 | ug/L | 99 |
| 47) Methyl cyclohexane | 6.367 | 83 | 125385 | 10.642 | ug/L # | 76 |
| 48) Trichloroethene | 6.390 | 95 | 70506 | 9.821 | ug/L | 98 |
| 50) Dibromomethane | 6.846 | 93 | 38724 | 9.368 | ug/L | 97 |
| 51) 1,2-Dichloropropane | 6.944 | 63 | 71182 | 9.420 | ug/L | 98 |
| 54) Bromodichloromethane | 7.012 | 83 | 90891 | 10.962 | ug/L | 99 |
| 57) 1,4-Dioxane | 7.227 | 88 | 33249 | 377.827 | ug/L # | 79 |
| 58) cis-1,3-Dichloropropene | 7.707 | 75 | 105991 | 9.360 | ug/L # | 90 |
| 61) Toluene | 7.972 | 92 | 172309 | 9.933 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 8.416 | 58 | 22132 | 7.852 | ug/L # | 84 |
| 63) Tetrachloroethene | 8.416 | 166 | 76542 | 10.075 | ug/L | 98 |
| 65) trans-1,3-Dichloropropene | 8.459 | 75 | 92880 | 8.779 | ug/L | 95 |
| 67) Ethyl methacrylate | 8.646 | 69 | 71784 | 7.425 | ug/L | 99 |
| 68) 1,1,2-Trichloroethane | 8.653 | 83 | 45898 | 9.147 | ug/L | 99 |
| 69) Chlorodibromomethane | 8.868 | 129 | 69332 | 9.701 | ug/L | 100 |
| 70) 1,3-Dichloropropane | 8.975 | 76 | 94440 | 9.030 | ug/L | 97 |
| 71) 1,2-Dibromoethane | 9.147 | 107 | 56910 | 9.190 | ug/L | 100 |
| 72) 2-Hexanone | 9.426 | 43 | 43735 | 7.094 | ug/L # | 90 |
| 73) Chlorobenzene | 9.793 | 112 | 196229 | 10.459 | ug/L | 97 |
| 74) Ethylbenzene | 9.826 | 91 | 337076 | 9.875 | ug/L | 100 |
| 75) 1,1,1,2-Tetrachloroethane | 9.875 | 131 | 70785 | 10.125 | ug/L | 99 |
| 76) p/m Xylene | 10.007 | 106 | 274733 | 20.982 | ug/L | 100 |
| 77) o Xylene | 10.542 | 106 | 259706 | 20.525 | ug/L | 99 |
| 78) Styrene | 10.607 | 104 | 412491 | 19.630 | ug/L | 95 |
| 80) Bromoform | 10.640 | 173 | 44726 | 9.031 | ug/L | 99 |
| 82) Isopropylbenzene | 10.912 | 105 | 352714 | 10.281 | ug/L | 99 |
| 84) Bromobenzene | 11.348 | 156 | 87184 | 10.134 | ug/L | 98 |
| 85) n-Propylbenzene | 11.381 | 91 | 431140 | 10.588 | ug/L | 98 |
| 86) 1,4-Dichlorobutane | 11.405 | 55 | 115913 | 8.839 | ug/L | 96 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 87) 1,1,2,2-Tetrachloroethane | 11.471 | 83 | 75609 | 9.417 | ug/L | 100 |
| 88) 4-Ethyltoluene | 11.504 | 105 | 355824 | 10.550 | ug/L | 99 |
| 89) 2-Chlorotoluene | 11.554 | 91 | 249947M1 | 10.290 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 310879 | 10.733 | ug/L | 98 |
| 91) 1,2,3-Trichloropropane | 11.611 | 75 | 63718M4 | 8.978 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.669 | 53 | 17142 | 5.578 | ug/L # | 87 |
| 93) 4-Chlorotoluene | 11.734 | 91 | 253976 | 10.168 | ug/L | 98 |
| 94) tert-Butylbenzene | 11.932 | 119 | 264541 | 10.772 | ug/L | 99 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 294053 | 10.451 | ug/L | 99 |
| 98) sec-Butylbenzene | 12.121 | 105 | 409669 | 11.278 | ug/L | 100 |
| 99) p-Isopropyltoluene | 12.277 | 119 | 343615 | 11.151 | ug/L | 99 |
| 100) 1,3-Dichlorobenzene | 12.351 | 146 | 175681 | 10.957 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 177144 | 10.892 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.648 | 119 | 192780 | 10.995 | ug/L | 97 |
| 103) n-Butylbenzene | 12.697 | 91 | 291914 | 11.485 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.861 | 146 | 161088 | 10.452 | ug/L | 98 |
| 105) 1,2,4,5-Tetramethylben... | 13.429 | 119 | 216473 | 8.902 | ug/L | 98 |
| 106) 1,2-Dibromo-3-chloropr... | 13.635 | 155 | 12436 | 7.974 | ug/L | 94 |
| 107) 1,3,5-Trichlorobenzene | 13.668 | 180 | 109032 | 10.298 | ug/L | 98 |
| 108) Hexachlorobutadiene | 14.227 | 225 | 52211 | 12.345 | ug/L | 100 |
| 109) 1,2,4-Trichlorobenzene | 14.260 | 180 | 83821 | 9.036 | ug/L | 98 |
| 110) Naphthalene | 14.556 | 128 | 153796 | 7.124 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.721 | 180 | 66650 | 8.410 | ug/L | 99 |

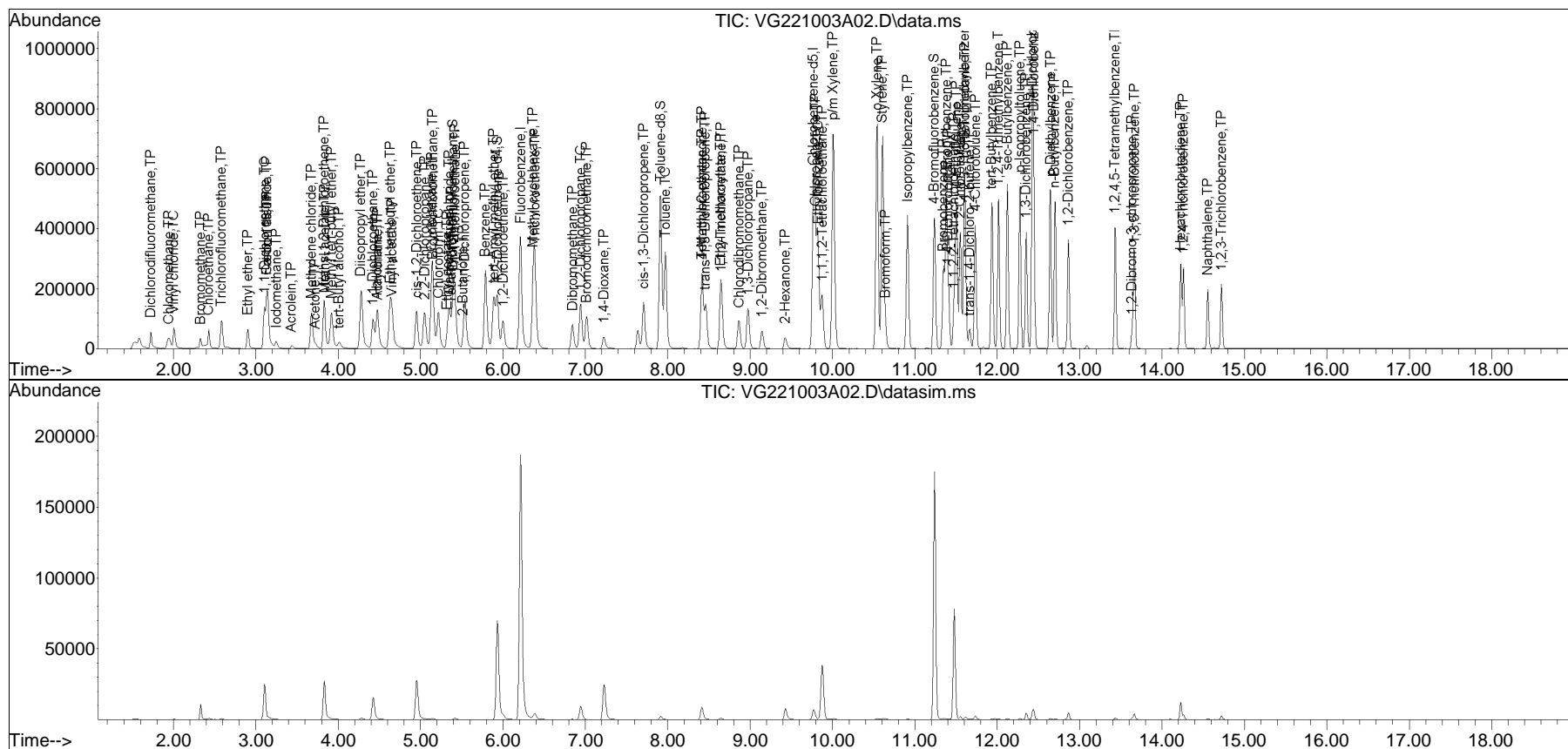
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

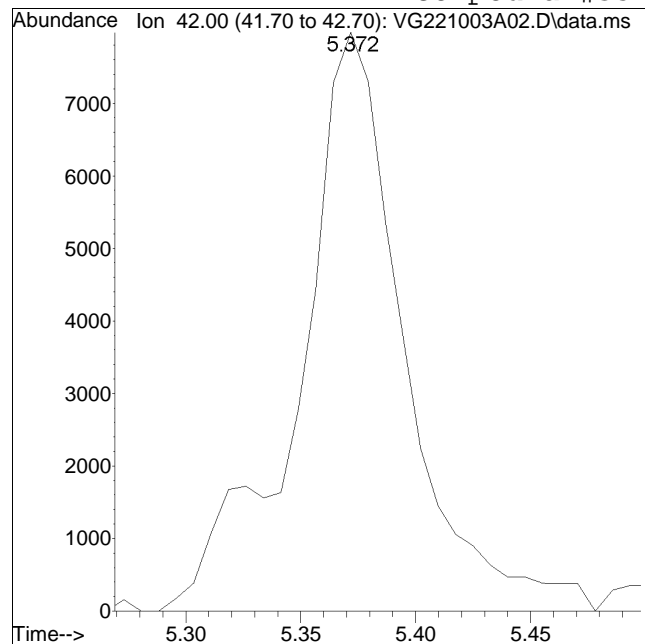
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE



Manual Integration Report

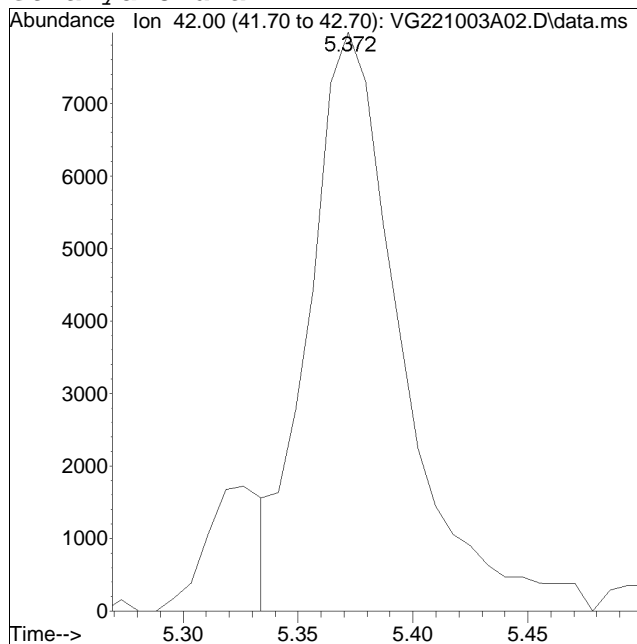
Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG221003A02.D Operator : GONZO:PD
Date Inj'd : 10/3/2022 9:51 am Instrument : Gonzo
Sample : WG1694869-2 Quant Date : 10/3/2022 10:16 am

Compound #35: Tetrahydrofuran



Original Peak Response = 25295

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

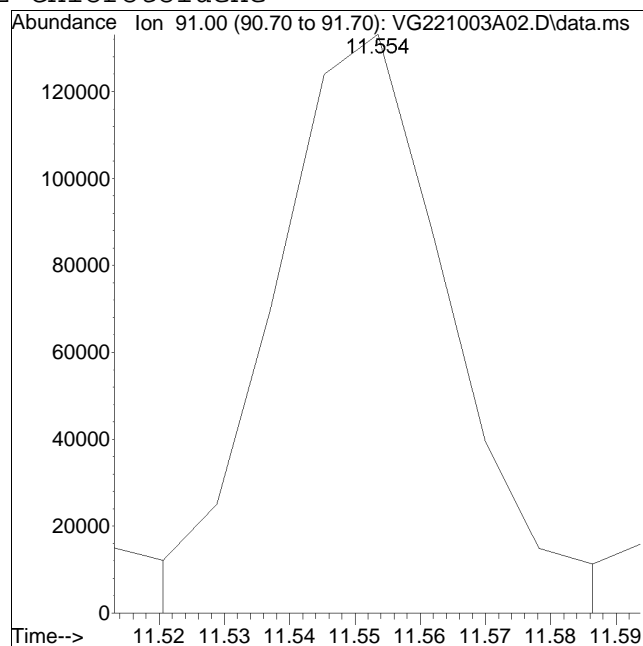
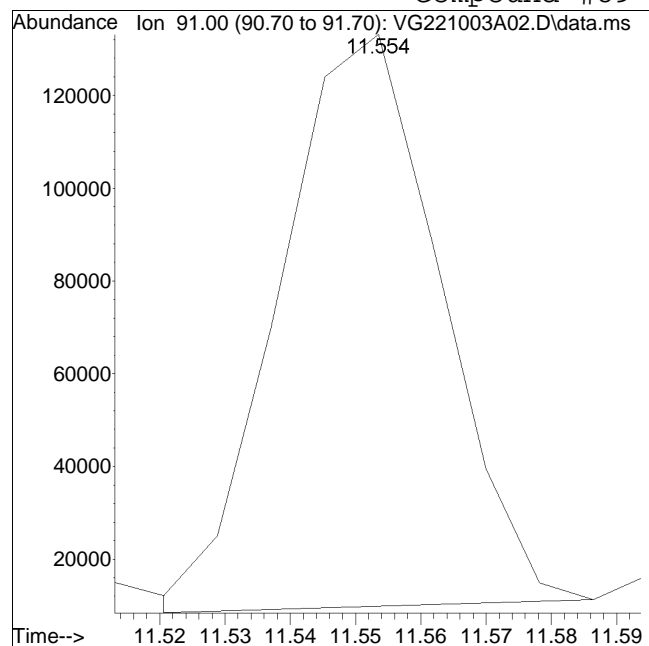


Manual Peak Response = 22289 M6

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG221003A02.D Operator : GONZO:PD
Date Inj'd : 10/3/2022 9:51 am Instrument : Gonzo
Sample : WG1694869-2 Quant Date : 10/3/2022 10:16 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 210929

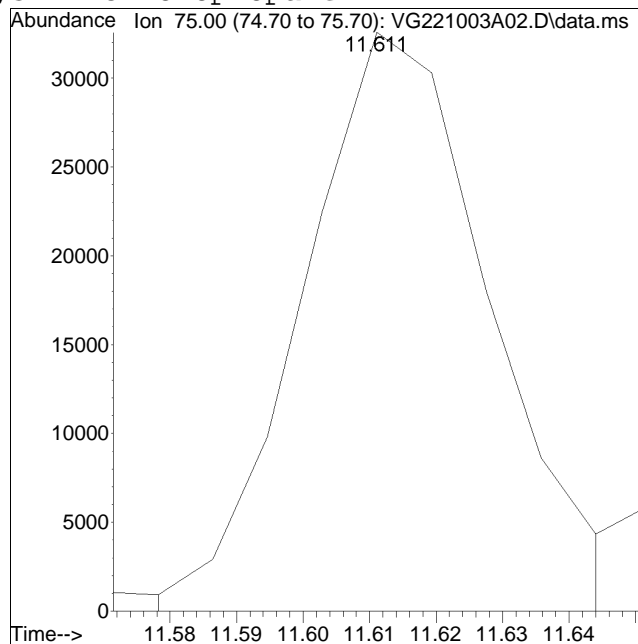
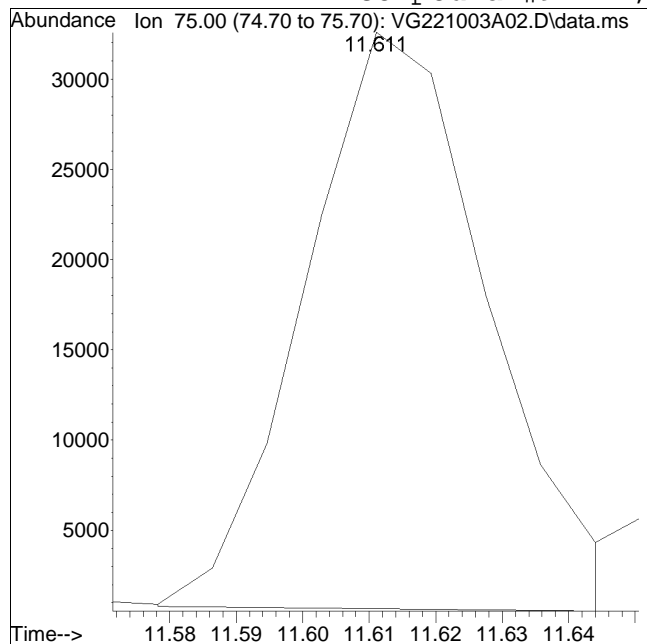
Manual Peak Response = 249947 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG221003A02.D Operator : GONZO:PD
Date Inj'd : 10/3/2022 9:51 am Instrument : Gonzo
Sample : WG1694869-2 Quant Date : 10/3/2022 10:16 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 61078

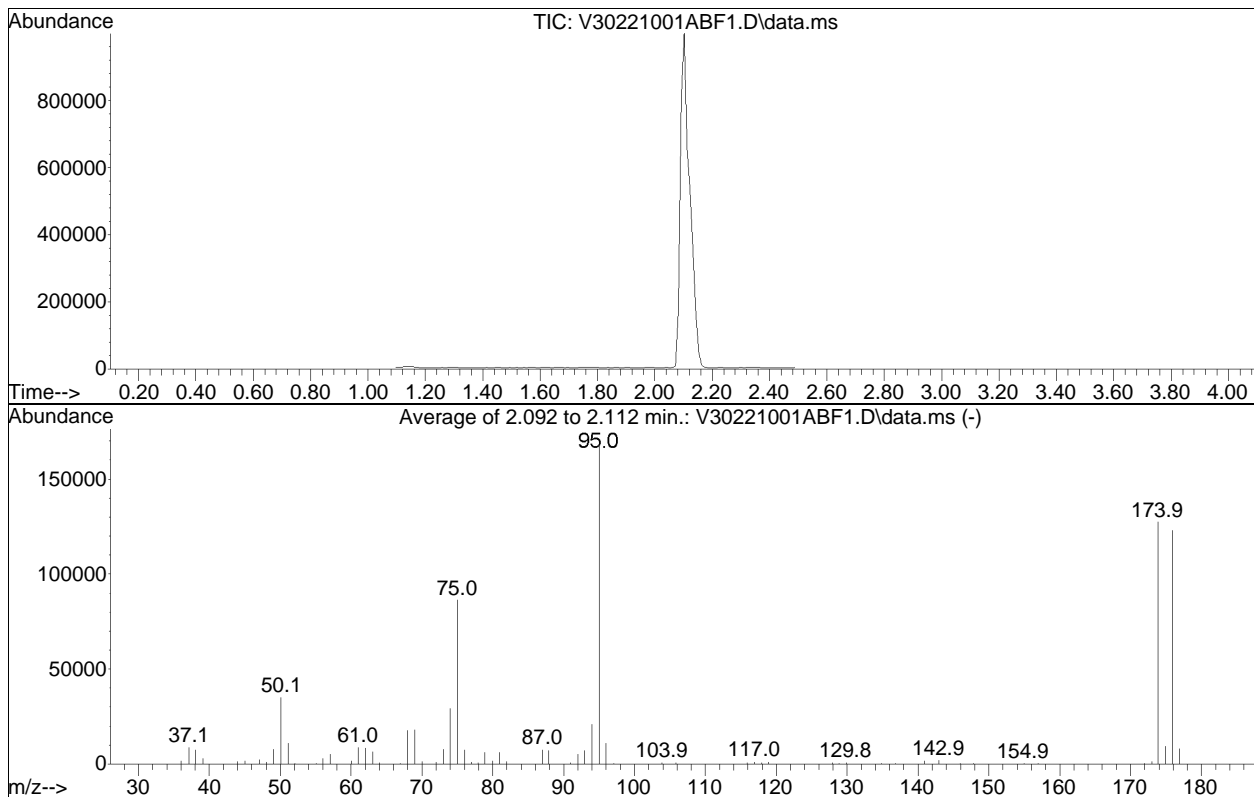
Manual Peak Response = 63718 M4

M4 = Poor automated baseline construction.

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001ABF1.D
 Acq On : 01 Oct 2022 08:56 am
 Operator : VOA130:TMS
 Sample : WG1694829-1
 Misc : WG1694829
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Mon Aug 22 13:44:43 2022



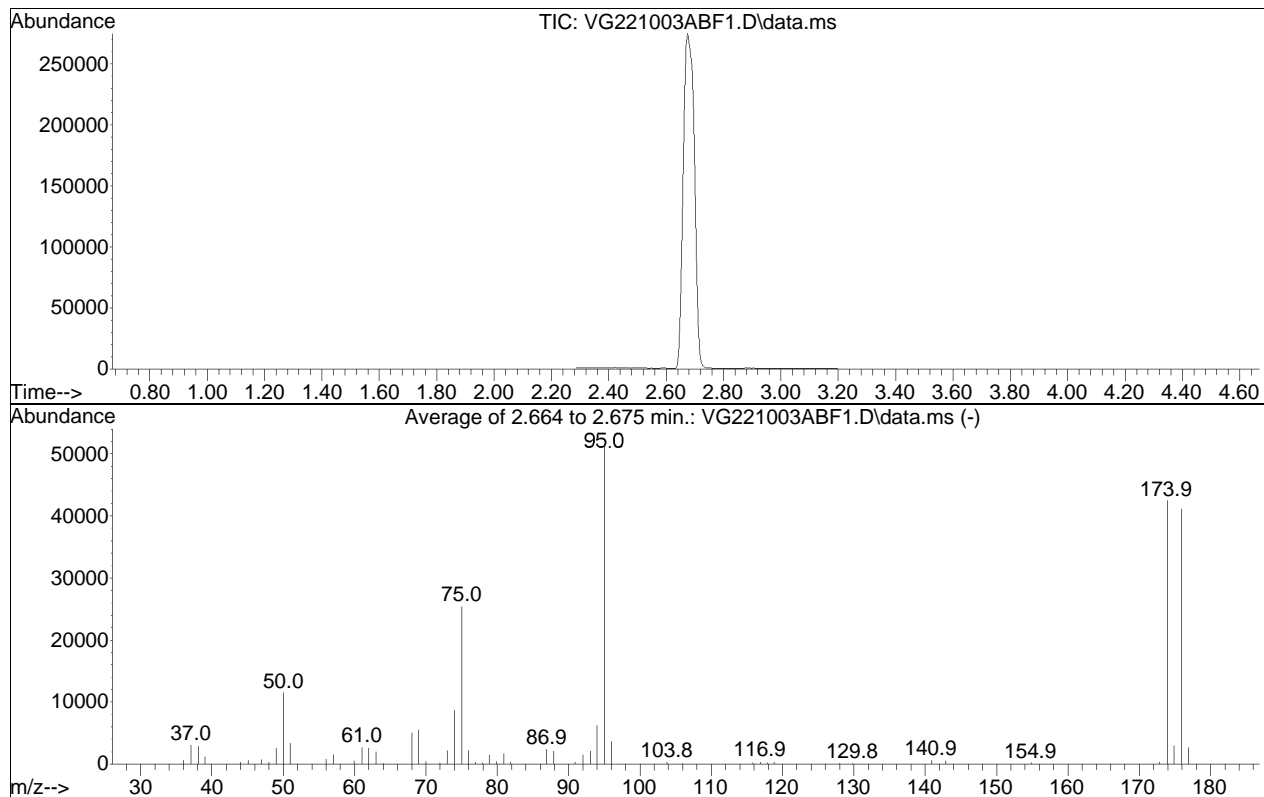
AutoFind: Scans 99, 100, 101; Background Corrected with Scan 94

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 20.9 | 35099 | PASS |
| 75 | 95 | 30 | 60 | 51.4 | 86405 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 168101 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 11206 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 1304 | PASS |
| 174 | 95 | 50 | 100 | 75.9 | 127533 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 9467 | PASS |
| 176 | 174 | 95 | 101 | 96.4 | 122949 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 8258 | PASS |

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003ABF1.D
 Acq On : 3 Oct 2022 9:11 am
 Operator : GONZO:PD
 Sample : WG1694869-1
 Misc : WG1694869
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Thu Jul 28 10:17:40 2022



AutoFind: Scans 73, 74, 75; Background Corrected with Scan 65

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 22.3 | 11500 | PASS |
| 75 | 95 | 30 | 60 | 49.3 | 25397 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 51504 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 3626 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 354 | PASS |
| 174 | 95 | 50 | 100 | 82.6 | 42563 | PASS |
| 175 | 174 | 5 | 9 | 7.1 | 3004 | PASS |
| 176 | 174 | 95 | 101 | 96.5 | 41091 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 2692 | PASS |

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A05.D
 Acq On : 01 Oct 2022 10:32 am
 Operator : VOA130:TMS
 Sample : WG1694829-5,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 13:06:46 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 231751 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 288309 | | | Recovery = | 80.38% | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 200394 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 231257 | | | Recovery = | 86.65% | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 104532 | 10.000 | ug/L | -0.01 |
| Standard Area 1 = 116817 | | | Recovery = | 89.48% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.491 | 113 | 63546 | 10.383 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.83% | | |
| 43) 1,2-Dichloroethane-d4 | 5.130 | 65 | 52462 | 7.807 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 78.07% | | |
| 60) Toluene-d8 | 7.190 | 98 | 247981 | 9.527 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.27% | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 96608 | 9.748 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.48% | | |
| Target Compounds | | | | | | Qvalue |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. d | |
| 17) Acetone | 0.000 | | 0 | | N.D. d | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | |
| 41) Benzene | 0.000 | | 0 | | N.D. | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | |
| 48) Trichloroethene | 0.000 | | 0 | | N.D. d | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | |
| 74) Ethylbenzene | 0.000 | | 0 | | N.D. d | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A05.D
 Acq On : 01 Oct 2022 10:32 am
 Operator : VOA130:TMS
 Sample : WG1694829-5,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 13:06:46 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 0.000 | | 0 | | | N.D. d |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. d |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. d |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. d |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. d |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. d |

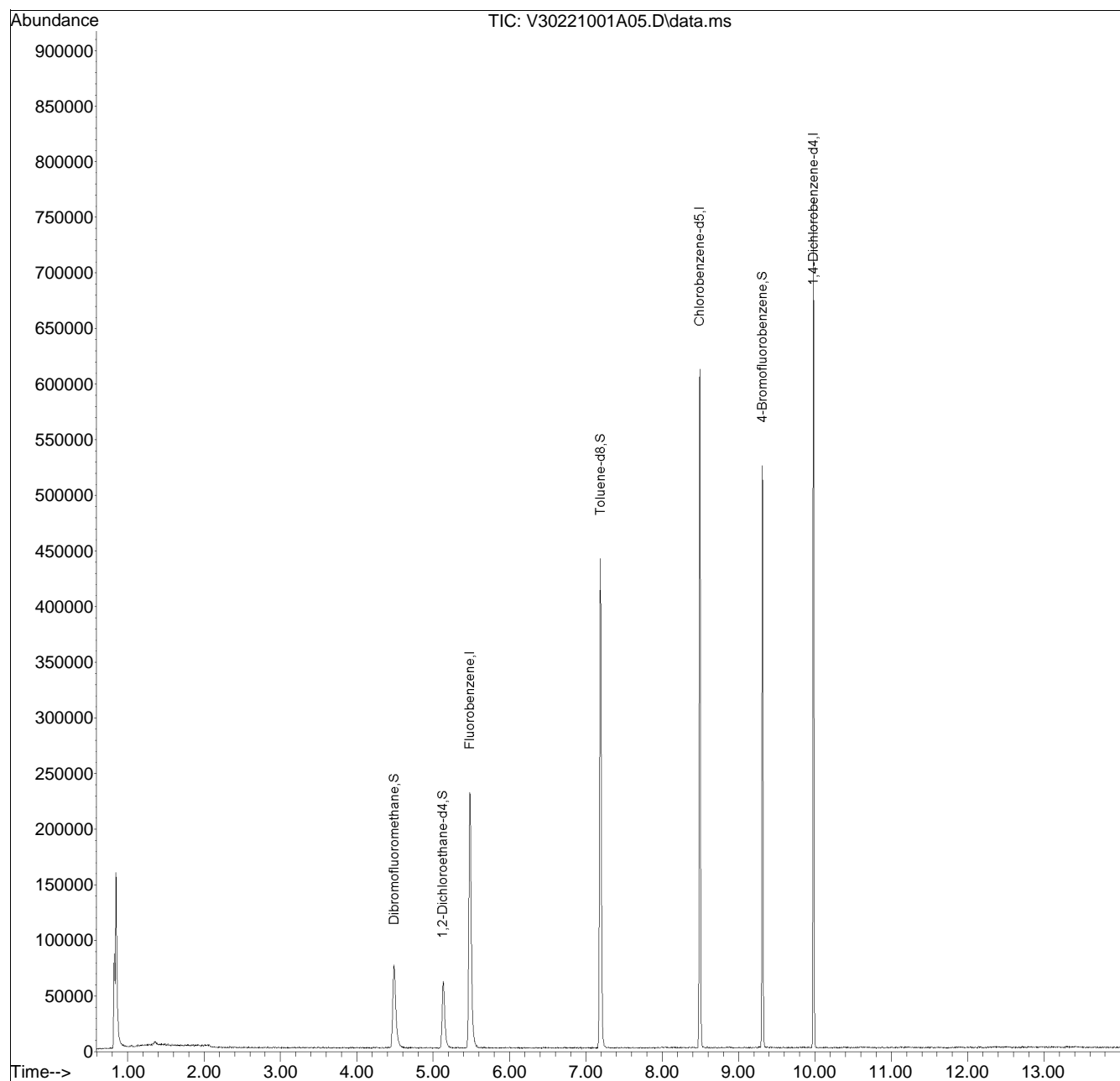
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A05.D
Acq On : 01 Oct 2022 10:32 am
Operator : VOA130:TMS
Sample : WG1694829-5,31,10,10
Misc : WG1694829,ICAL19274
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 13:06:46 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox21001A\V30221001A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A05.D Operator : VOA130:TMS
Date Inj'd : 10/1/2022 10:32 am Instrument : VOA130
Sample : WG1694829-5,31,10,10 Quant Date : 10/1/2022 1:04 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A05.D
 Acq On : 3 Oct 2022 11:09 am
 Operator : GONZO:PD
 Sample : WG1694869-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 11:49:37 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221003A\VG221003A02.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 427657 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 435298 | | | Recovery = | 98.24% | | | |
| 59) Chlorobenzene-d5 | 9.768 | 117 | 329678 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 345913 | | | Recovery = | 95.31% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.434 | 152 | 180616 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 201700 | | | Recovery = | 89.55% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 112033 | 10.125 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.25% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 135620 | 9.832 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.32% | | | |
| 60) Toluene-d8 | 7.915 | 98 | 419413 | 9.950 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.50% | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 152290 | 9.181 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 91.81% | | | |
| Target Compounds | | | | | | | Qvalue |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 3.678 | 84 | 77 | | N.D. | | |
| 17) Acetone | 0.000 | | 0 | | N.D. | d | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | | |
| 41) Benzene | 0.000 | | 0 | | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | d | |
| 48) Trichloroethene | 0.000 | | 0 | | N.D. | d | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 0.000 | | 0 | | N.D. | | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | | |
| 74) Ethylbenzene | 9.777 | 91 | 566 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A05.D
 Acq On : 3 Oct 2022 11:09 am
 Operator : GONZO:PD
 Sample : WG1694869-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 11:49:37 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221003A\VG221003A02.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.233 | 91 | 517 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 11.611 | 105 | 79 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 12.039 | 105 | 276 | | | N.D. |
| 98) sec-Butylbenzene | 12.129 | 105 | 288 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 78 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 312 | | | N.D. |
| 103) n-Butylbenzene | 12.722 | 91 | 97 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

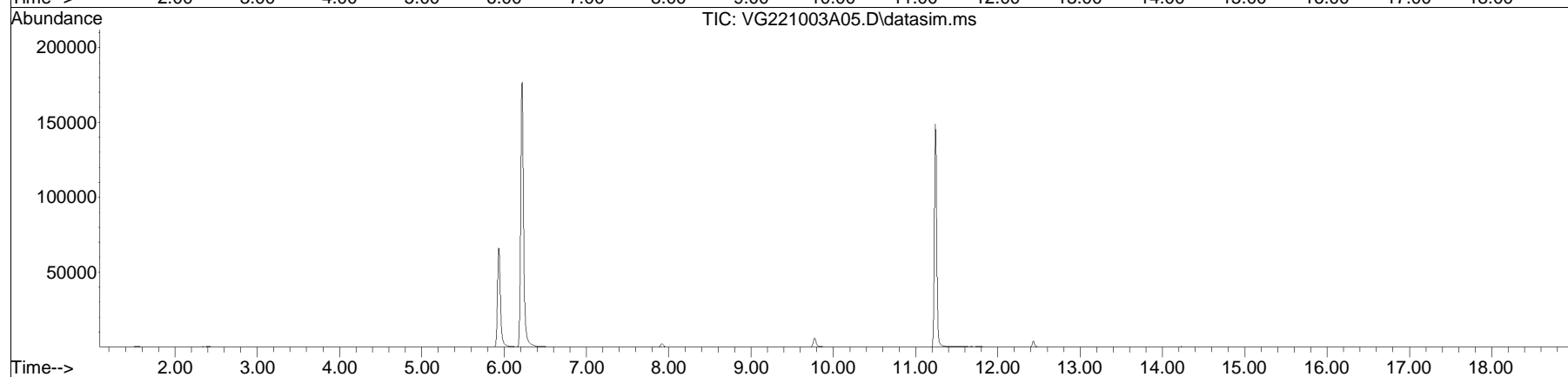
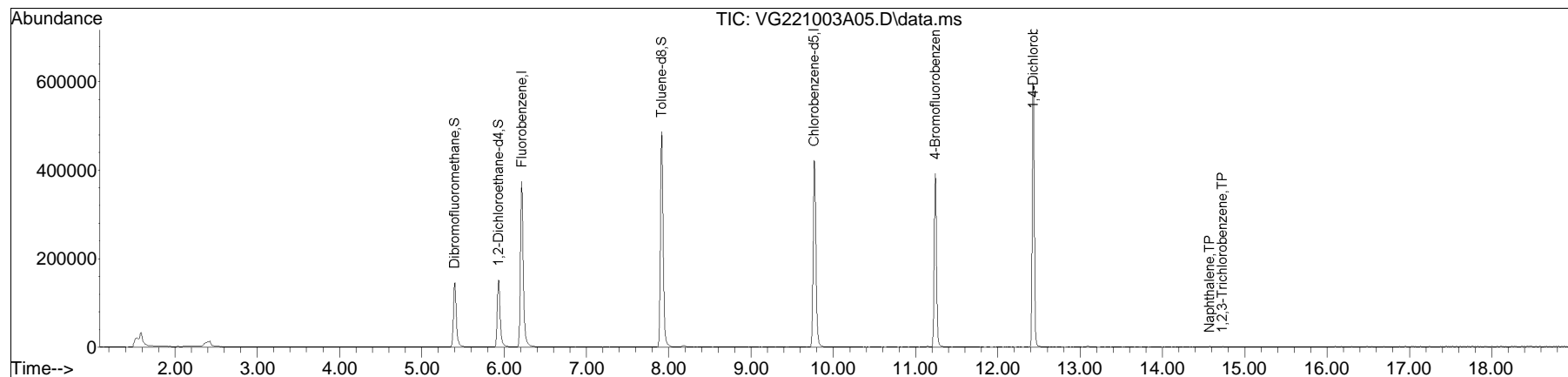
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
Data File : VG221003A05.D
Acq On : 3 Oct 2022 11:09 am
Operator : GONZO:PD
Sample : WG1694869-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 03 11:49:37 2022
Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jul 28 10:17:40 2022
Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEG221003A02.D•



Manual Integration Report

Data Path : I:\VOLATILES\Gonzo\2022\22QMethod : G_220727N_8260.m
Data File : VG221003A05.D Operator : GONZO:PD
Date Inj'd : 10/3/2022 11:09 am Instrument : Gonzo
Sample : WG1694869-5,31,10,10 Quant Date : 10/3/2022 11:49 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-3,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|--------------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 288309 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 288309 | | | Recovery = 100.00% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 231257 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 231257 | | | Recovery = 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.980 | 152 | 116817 | 10.000 | ug/L | -0.01 |
| Standard Area 1 = 116817 | | | Recovery = 100.00% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.489 | 113 | 77725 | 10.208 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 102.08% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.127 | 65 | 69587 | 8.324 | ug/L | -0.01 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 83.24% | | | |
| 60) Toluene-d8 | 7.188 | 98 | 297301 | 9.897 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.97% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 109292 | 9.868 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.68% | | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 70953 | 10.562 | ug/L | 95 |
| 10) 1,1-Dichloroethene | 1.851 | 96 | 60143 | 10.956 | ug/L | 75 |
| 15) Methylene chloride | 2.339 | 84 | 67423 | 10.955 | ug/L | 76 |
| 17) Acetone | 2.397 | 43 | 11005 | 11.566 | ug/L | 94 |
| 18) trans-1,2-Dichloroethene | 2.481 | 96 | 60754 | 10.231 | ug/L | 80 |
| 20) Methyl tert-butyl ether | 2.617 | 73 | 77902 | 6.736 | ug/L | 92 |
| 23) 1,1-Dichloroethane | 3.117 | 63 | 126275 | 10.643 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 69602 | 10.203 | ug/L # | 72 |
| 32) Chloroform | 4.246 | 83 | 116126 | 9.981 | ug/L # | 95 |
| 34) Carbon tetrachloride | 4.363 | 117 | 79865 | 9.663 | ug/L # | 93 |
| 37) 1,1,1-Trichloroethane | 4.458 | 97 | 89288 | 9.235 | ug/L # | 97 |
| 39) 2-Butanone | 4.681 | 43 | 11758 | 8.081 | ug/L # | 71 |
| 41) Benzene | 4.954 | 78 | 250871 | 10.265 | ug/L | 91 |
| 44) 1,2-Dichloroethane | 5.211 | 62 | 68646 | 8.017 | ug/L | 99 |
| 48) Trichloroethene | 5.677 | 95 | 62176 | 9.776 | ug/L | 100 |
| 57) 1,4-Dioxane | 6.580 | 88 | 11083 | 519.013 | ug/L # | 83 |
| 61) Toluene | 7.238 | 92 | 168159 | 10.016 | ug/L | 98 |
| 63) Tetrachloroethene | 7.595 | 166 | 66658 | 9.372 | ug/L | 94 |
| 73) Chlorobenzene | 8.502 | 112 | 188374 | 10.160 | ug/L | 93 |
| 74) Ethylbenzene | 8.546 | 91 | 335454 | 10.260 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A02.D
 Acq On : 01 Oct 2022 09:34 am
 Operator : VOA130:TMS
 Sample : WG1694829-3,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 8.652 | 106 | 257378 | 21.164 | ug/L | 98 |
| 77) o Xylene | 8.937 | 106 | 245936 | 20.712 | ug/L | 93 |
| 85) n-Propylbenzene | 9.408 | 91 | 410284 | 10.882 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 9.531 | 105 | 250395 | 9.390 | ug/L | 91 |
| 94) tert-Butylbenzene | 9.717 | 119 | 237718 | 10.331 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 241757 | 9.219 | ug/L | 96 |
| 98) sec-Butylbenzene | 9.821 | 105 | 374590 | 10.868 | ug/L | 100 |
| 100) 1,3-Dichlorobenzene | 9.935 | 146 | 152394 | 10.239 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.991 | 146 | 148106 | 9.896 | ug/L | 98 |
| 103) n-Butylbenzene | 10.150 | 91 | 284826 | 10.395 | ug/L | 100 |
| 104) 1,2-Dichlorobenzene | 10.231 | 146 | 136293 | 9.769 | ug/L | 98 |

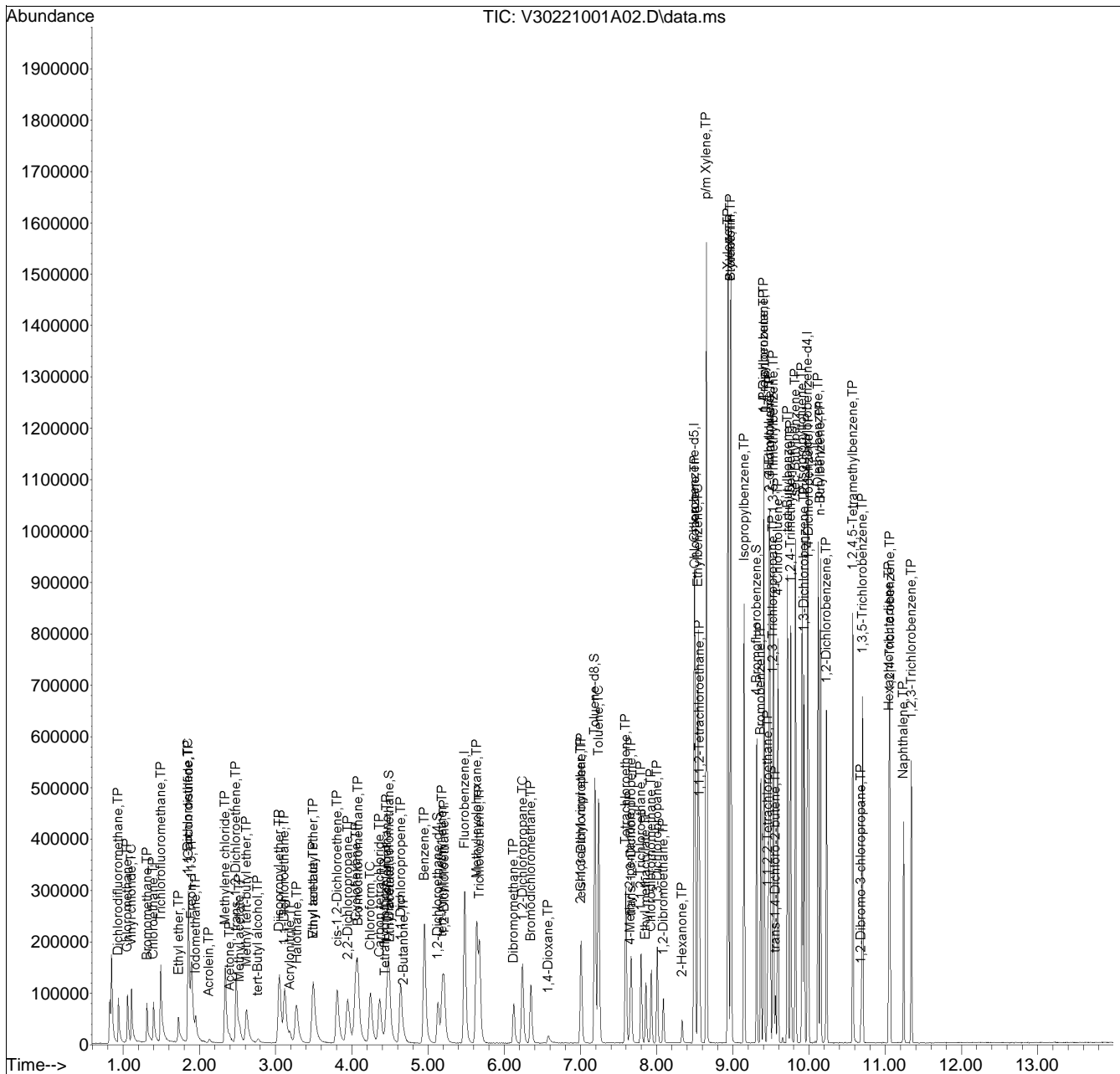
(#) = qualifier out of range (m) = manual integration (+) = signals summed

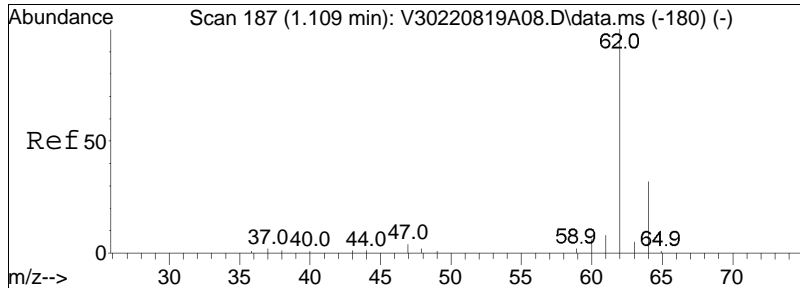
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
Data File : V30221001A02.D
Acq On : 01 Oct 2022 09:34 am
Operator : VOA130:TMS
Sample : WG1694829-3,31,10,10
Misc : WG1694829,ICAL19274
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:59:51 2022
Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Aug 22 13:44:43 2022
Response via : Initial Calibration

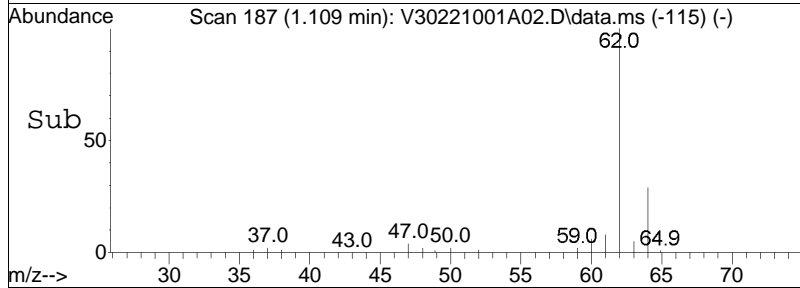
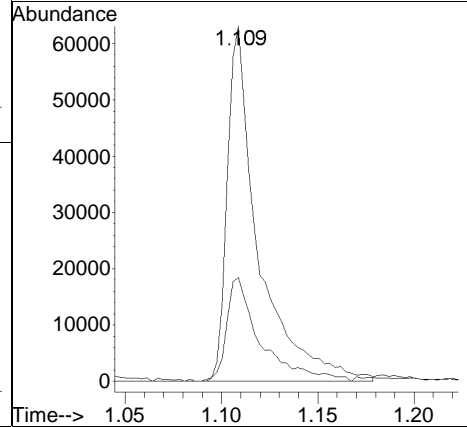
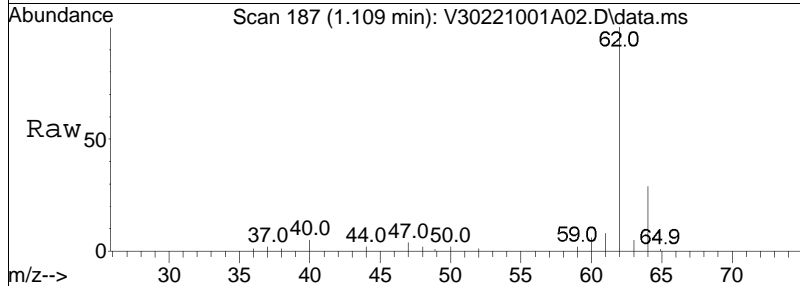
Sub List : 8260-Curve - Megamix plus Diox21001A\V30221001A02.D•

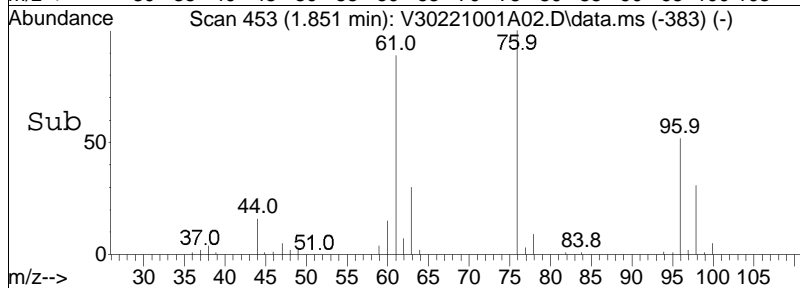
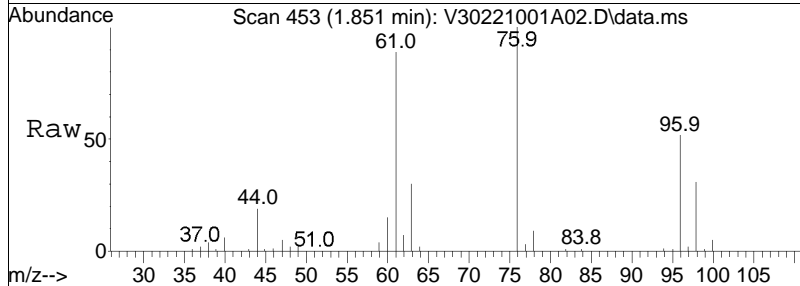
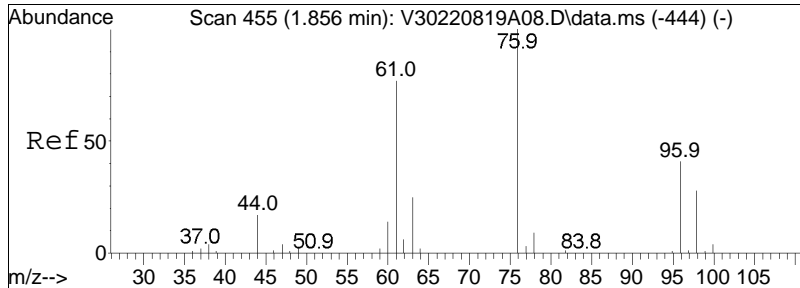




#4
 Vinyl chloride
 Concen: 10.56 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

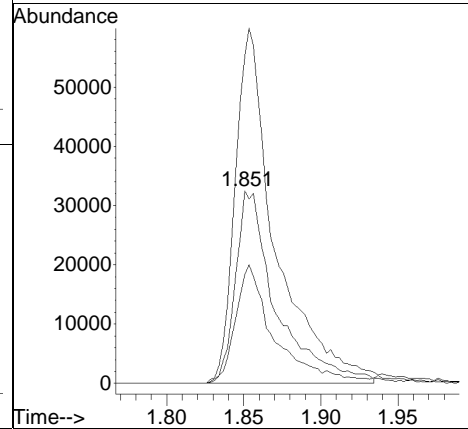
| Tgt Ion: | 62 | Resp: | 70953 |
|-----------|------|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 62 | 100 | | |
| 64 | 31.9 | 9.1 | 49.1 |

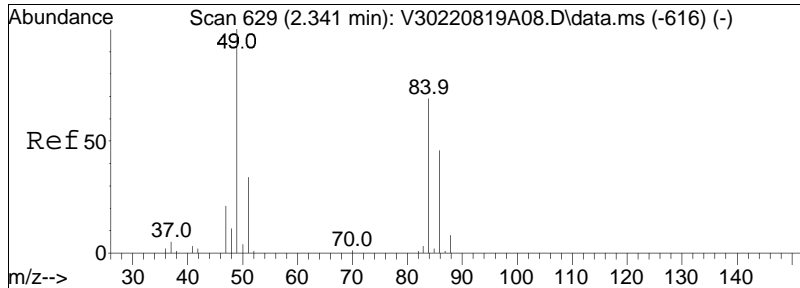




#10
 1,1-Dichloroethene
 Concen: 10.96 ug/L
 RT: 1.851 min Scan# 453
 Delta R.T. -0.005 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

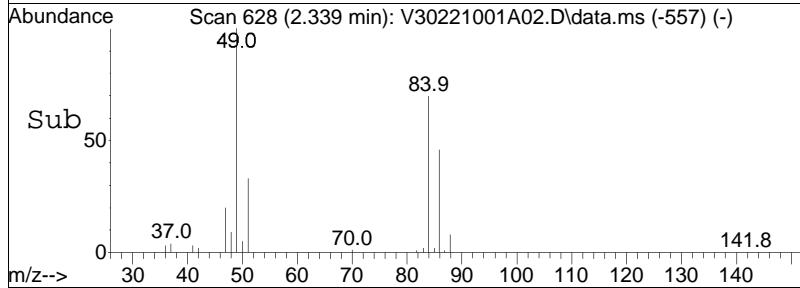
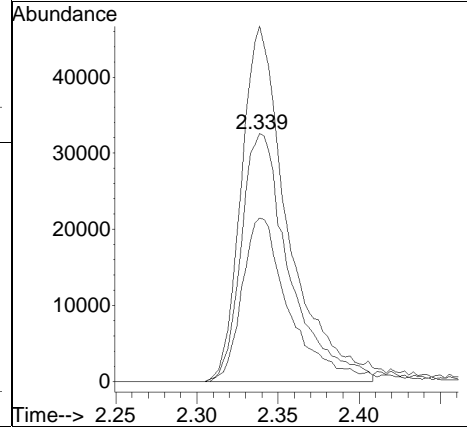
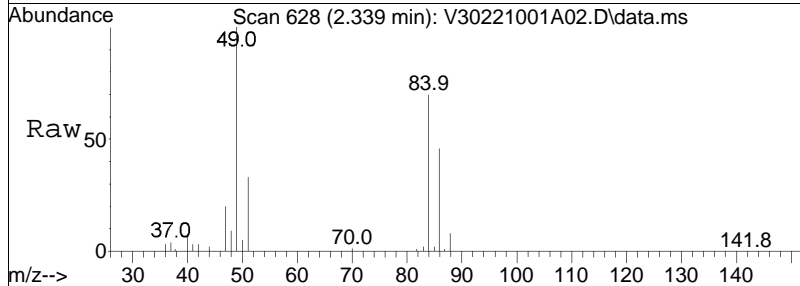
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 60143 | | |
| 96 | 100 | | |
| 61 | 186.2 | 186.1 | 279.1 |
| 63 | 58.6 | 57.6 | 86.4 |

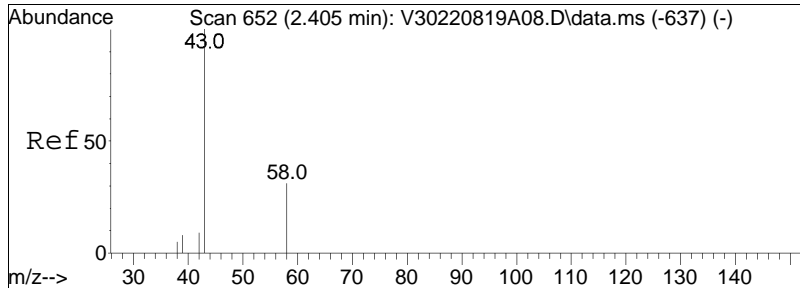




#15
 Methylene chloride
 Concen: 10.96 ug/L
 RT: 2.339 min Scan# 628
 Delta R.T. -0.002 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

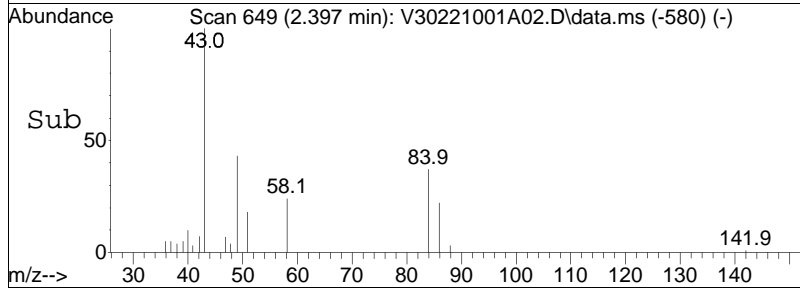
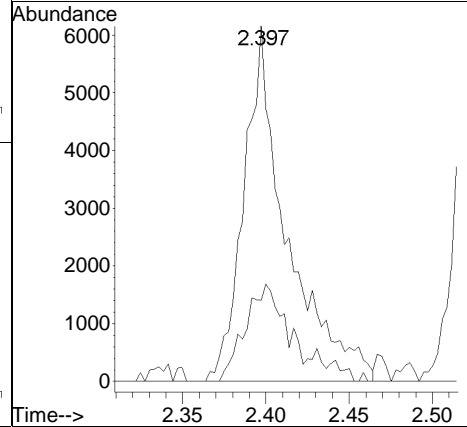
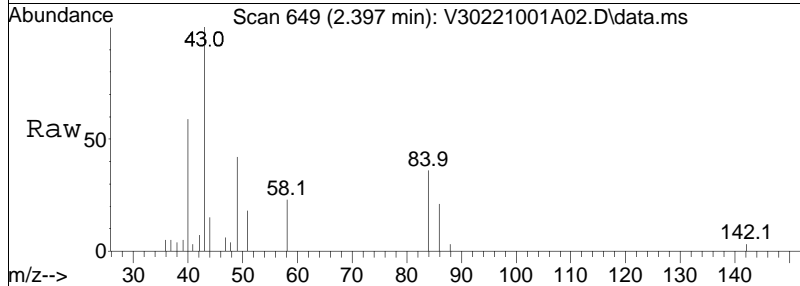
| Tgt Ion: | 84 | Resp: | 67423 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 64.7 | 40.4 | 83.8 |
| 49 | 139.7 | 120.0 | 249.2 |

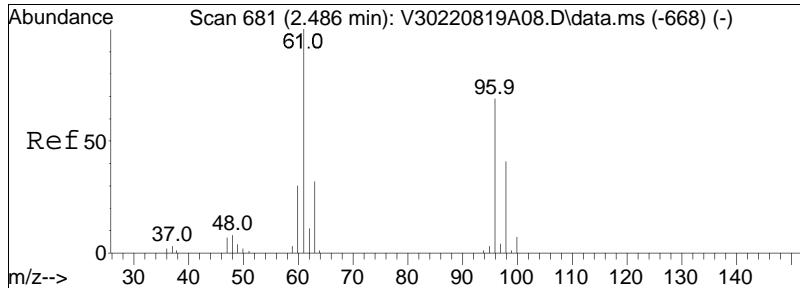




#17
 Acetone
 Concen: 11.57 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

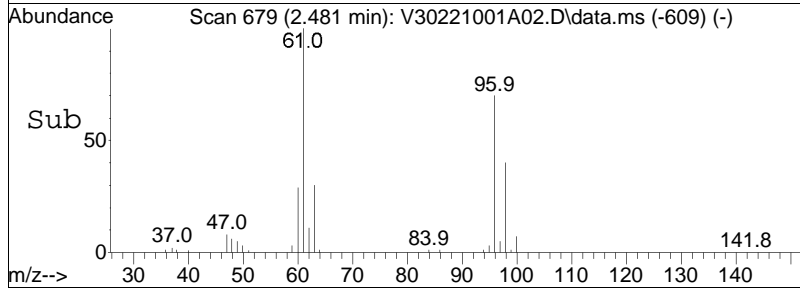
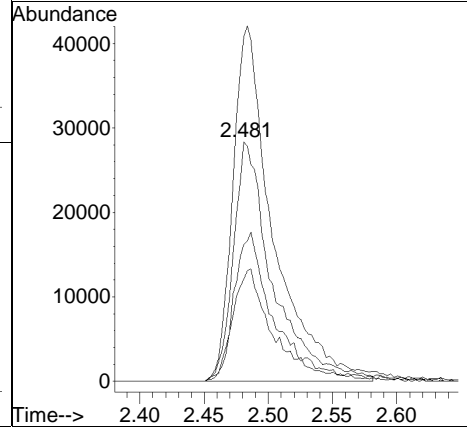
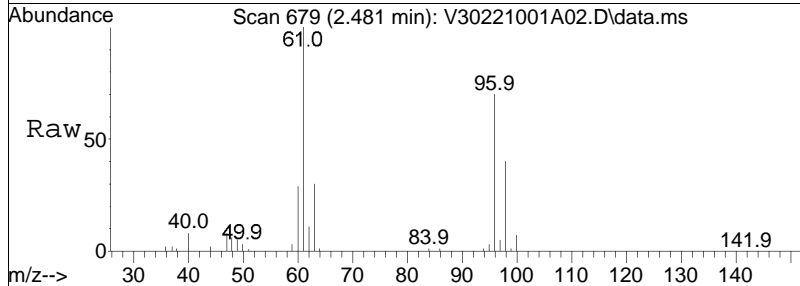
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 27.1 | 24.2 | 36.4 |

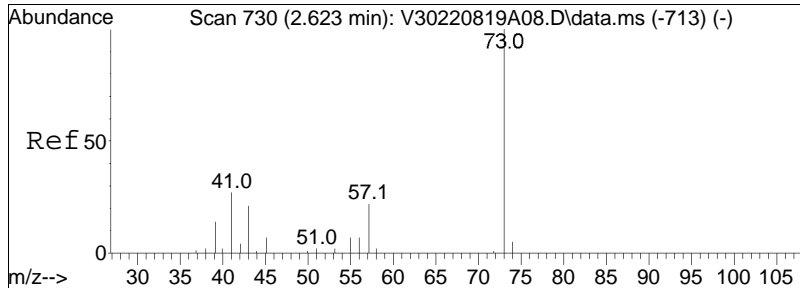




#18
 trans-1,2-Dichloroethene
 Concen: 10.23 ug/L
 RT: 2.481 min Scan# 679
 Delta R.T. -0.005 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

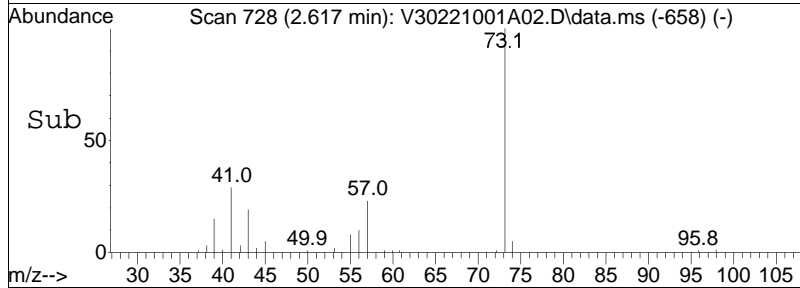
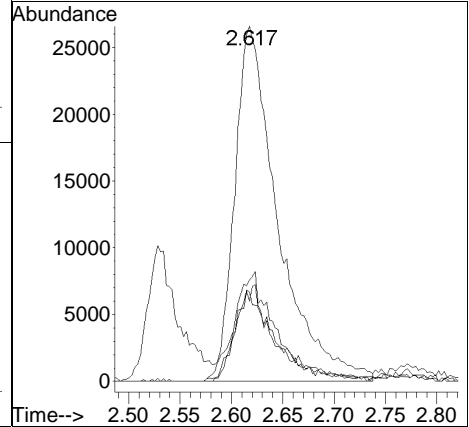
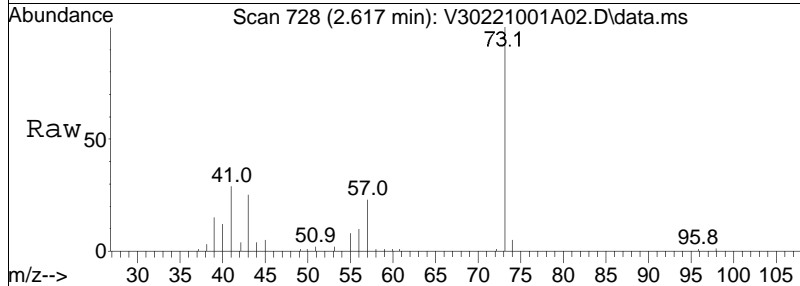
| Tgt Ion | Resp | Lower | Upper |
|-----------|-------|-------|-------|
| 96 | 60754 | | |
| Ion Ratio | | | |
| 96 | 100 | | |
| 61 | 153.0 | 124.0 | 257.6 |
| 98 | 56.9 | 41.2 | 85.6 |
| 63 | 48.4 | 38.4 | 79.7 |

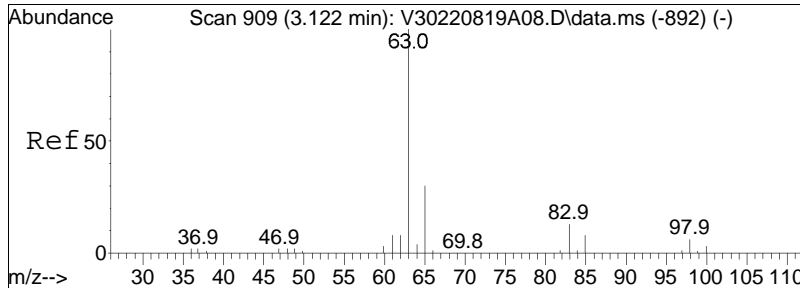




#20
 Methyl tert-butyl ether
 Concen: 6.74 ug/L
 RT: 2.617 min Scan# 728
 Delta R.T. -0.006 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

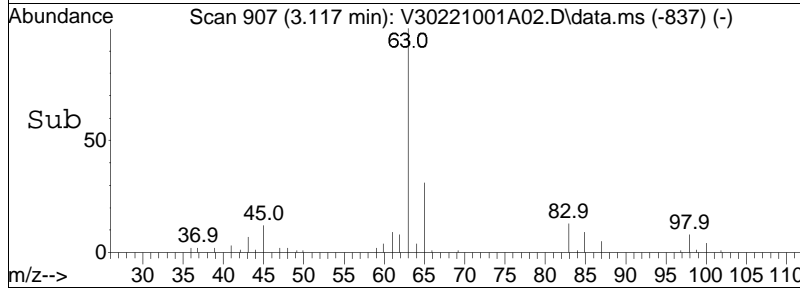
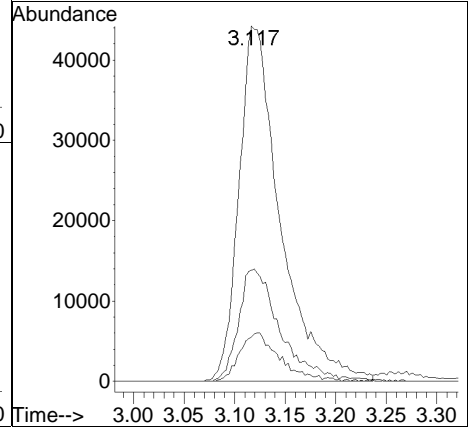
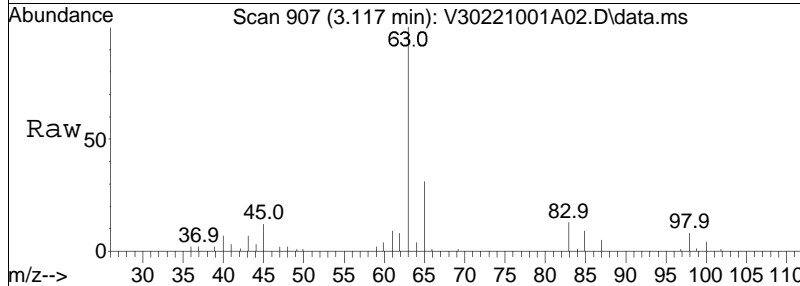
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 23.0 | 17.5 | 36.3 |
| 43 | 21.4 | 15.3 | 31.9 |
| 41 | 28.8 | 15.3 | 31.7 |

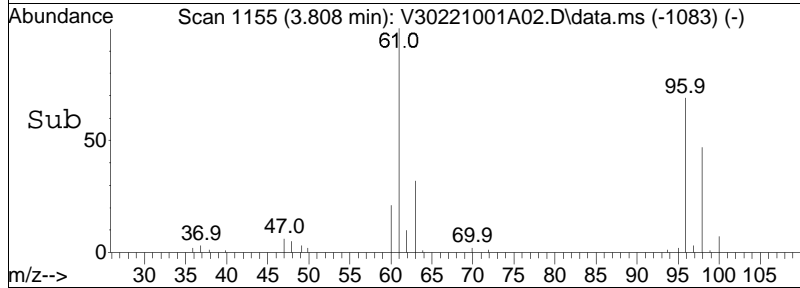
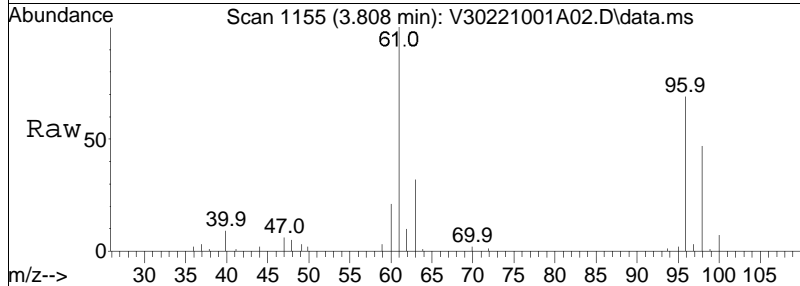
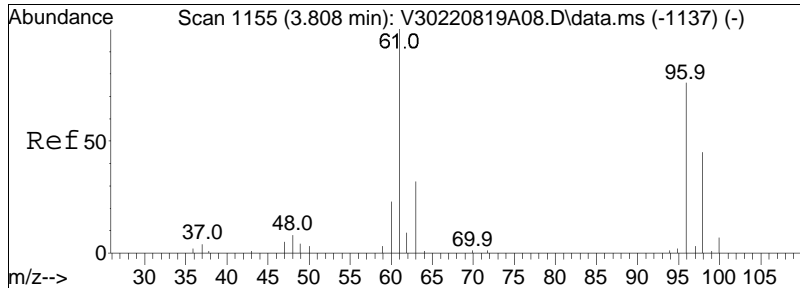




#23
 1,1-Dichloroethane
 Concen: 10.64 ug/L
 RT: 3.117 min Scan# 907
 Delta R.T. -0.005 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

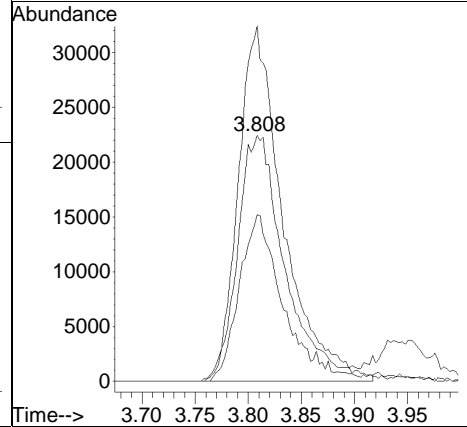
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 63 | 100 | | |
| 65 | 31.3 | 11.0 | 51.0 |
| 83 | 13.0 | 0.0 | 31.8 |

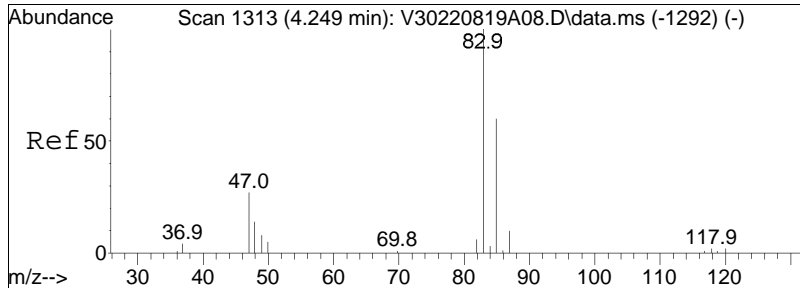




#28
 cis-1,2-Dichloroethene
 Concen: 10.20 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

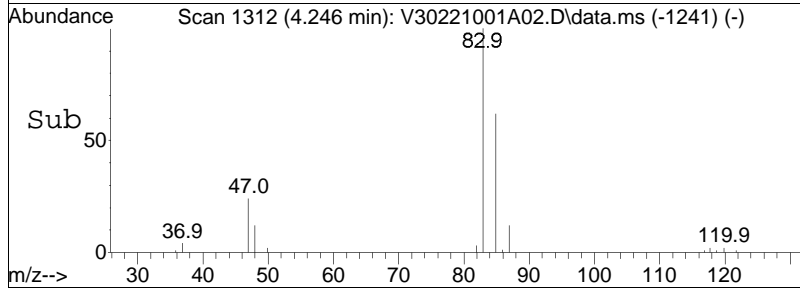
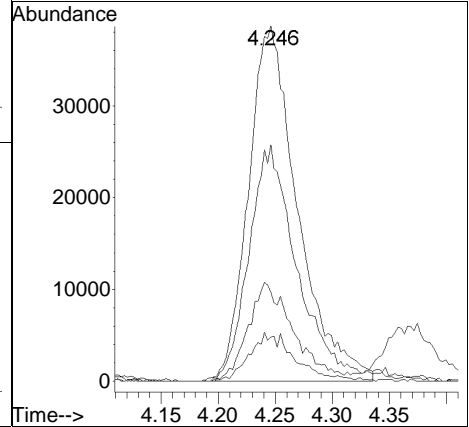
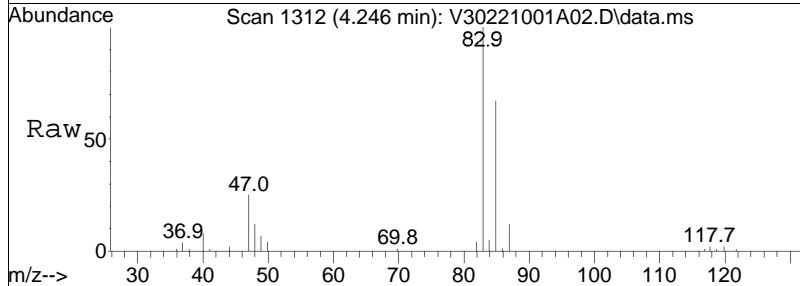
| Tgt Ion: | 96 | Resp: | 69602 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 136.2 | 149.4 | 224.2# |
| 98 | 59.0 | 53.4 | 80.2 |

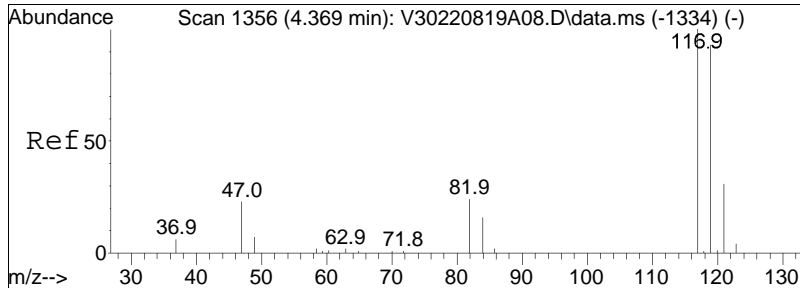




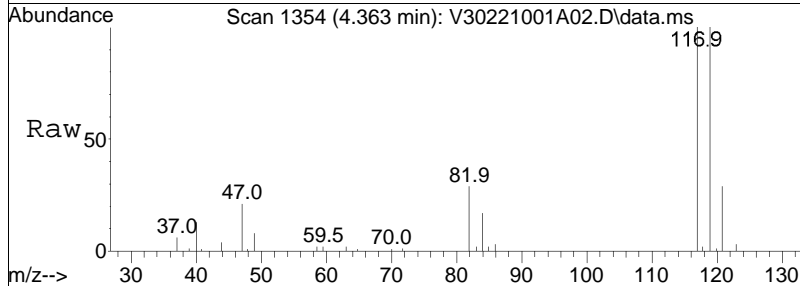
#32
 Chloroform
 Concen: 9.98 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 64.6 | 41.5 | 86.1 |
| 47 | 25.9 | 19.0 | 39.4 |
| 48 | 7.3 | 9.9 | 20.5# |

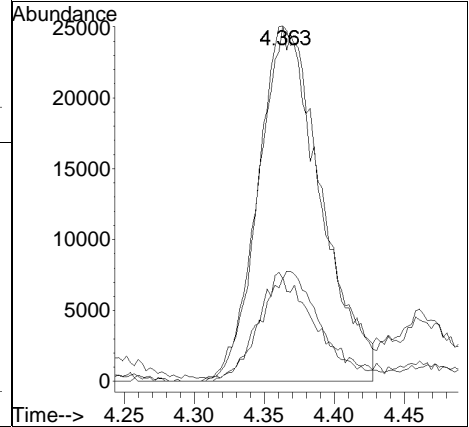
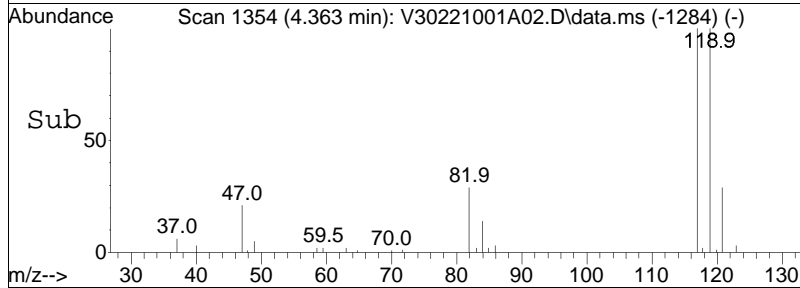


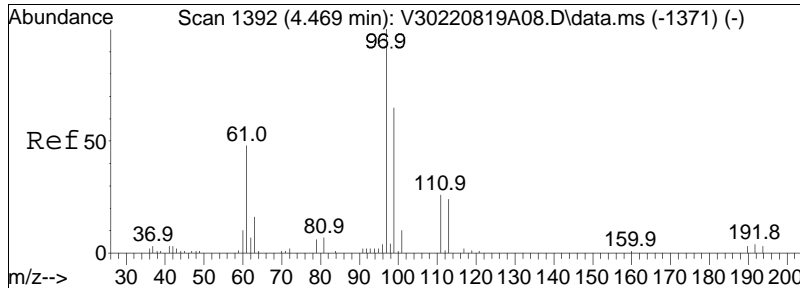


#34
 Carbon tetrachloride
 Concen: 9.66 ug/L
 RT: 4.363 min Scan# 1354
 Delta R.T. -0.006 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am



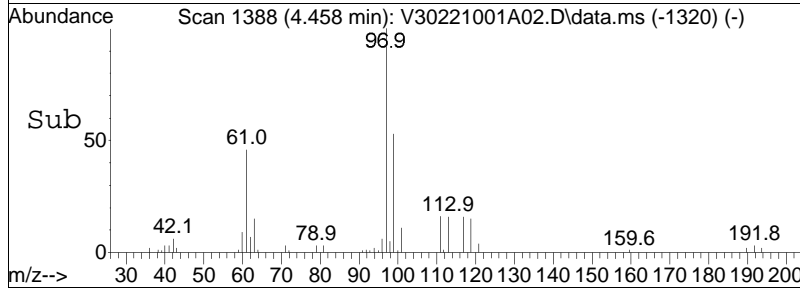
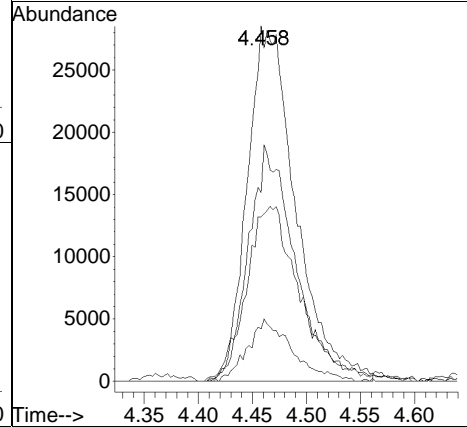
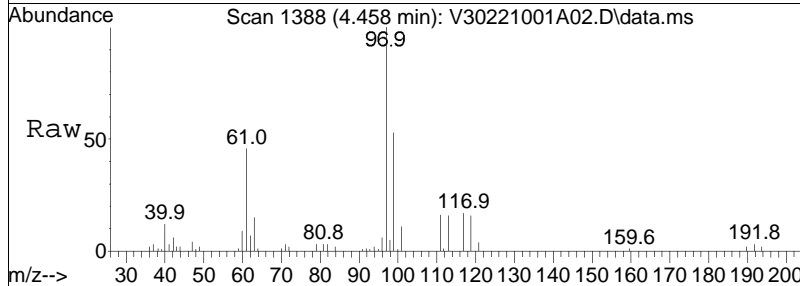
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 95.6 | 62.4 | 129.6 |
| 121 | 12.8 | 19.5 | 40.5# |
| 82 | 25.0 | 17.0 | 35.4 |

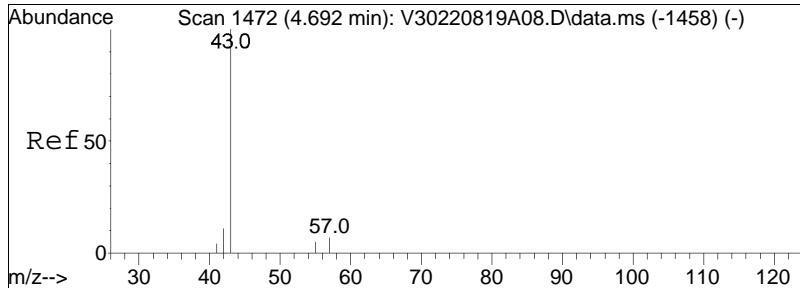




#37
 1,1,1-Trichloroethane
 Concen: 9.24 ug/L
 RT: 4.458 min Scan# 1388
 Delta R.T. -0.011 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

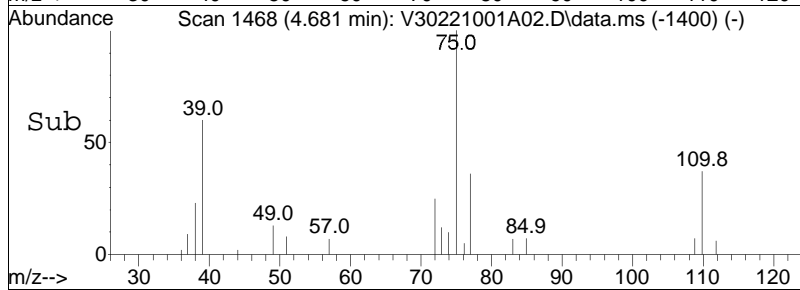
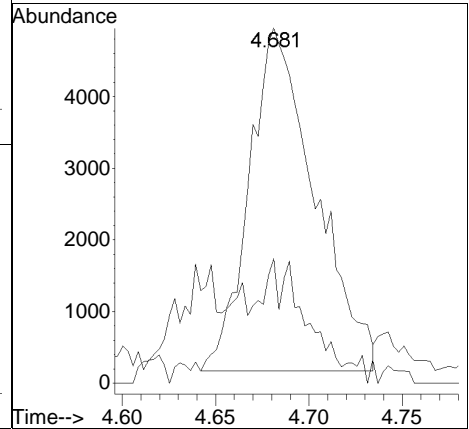
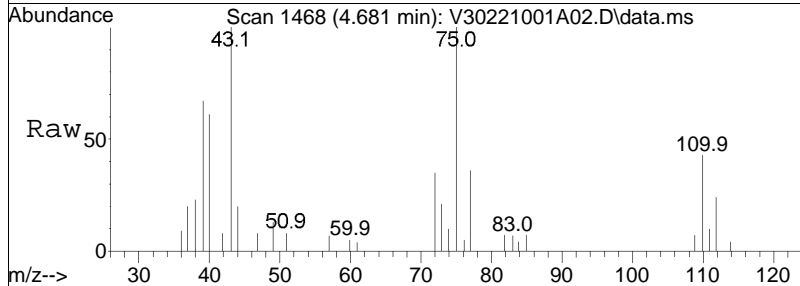
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 64.3 | 40.7 | 84.5 |
| 61 | 53.4 | 35.4 | 73.4 |
| 63 | 16.2 | 5.0 | 10.4 |

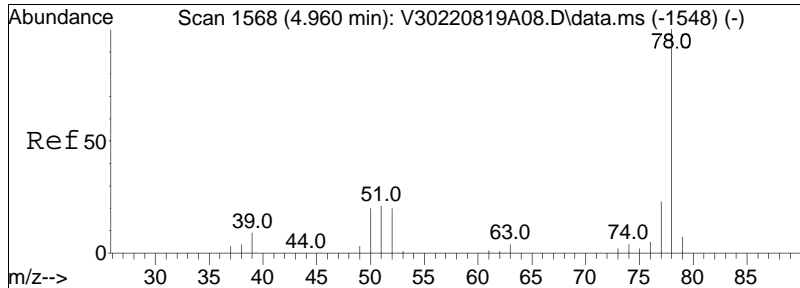




#39
 2-Butanone
 Concen: 8.08 ug/L
 RT: 4.681 min Scan# 1468
 Delta R.T. -0.011 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

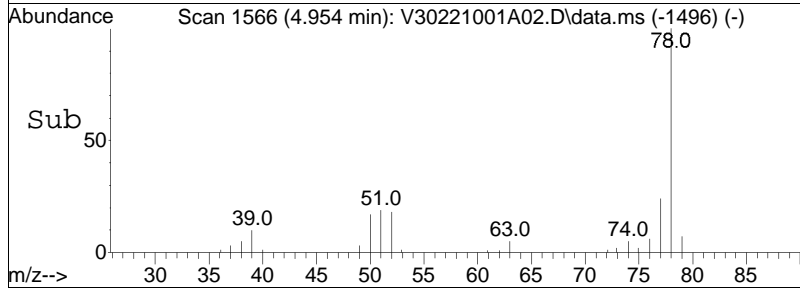
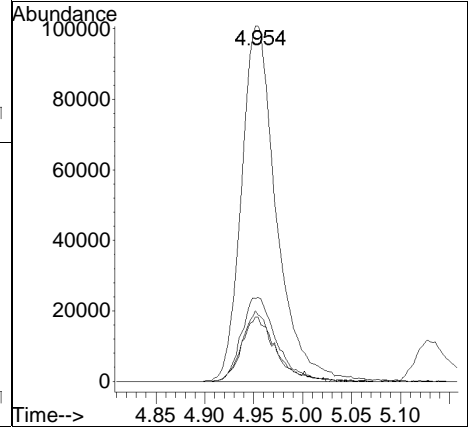
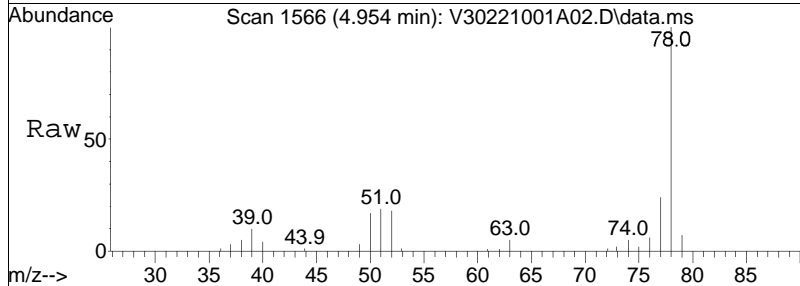
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 11758 | | |
| 72 | 1.9 | 10.9 | 16.3# |

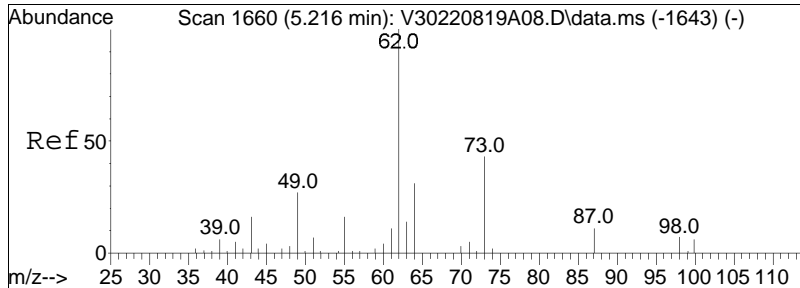




#41
 Benzene
 Concen: 10.27 ug/L
 RT: 4.954 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

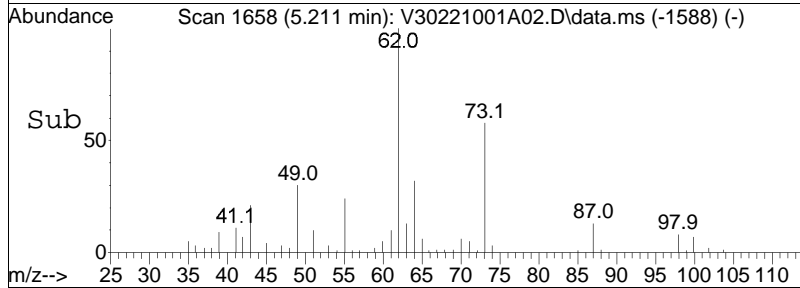
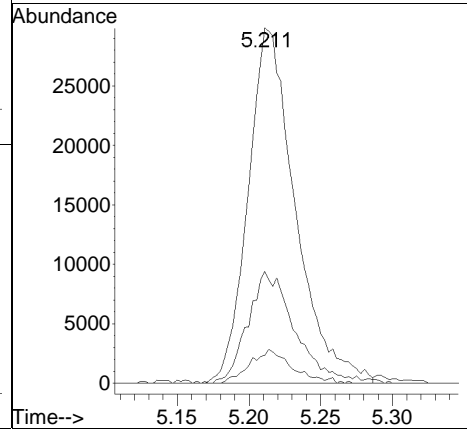
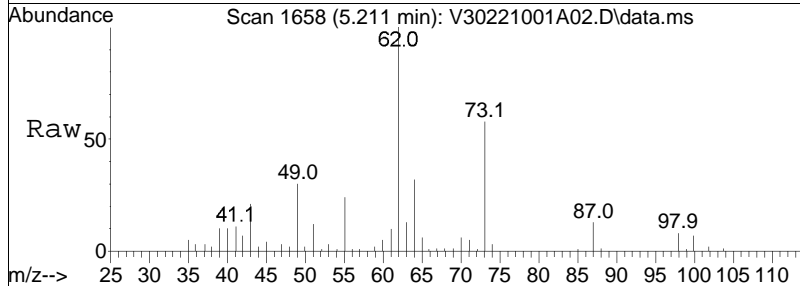
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 78 | 100 | | |
| 77 | 23.5 | 15.7 | 32.7 |
| 51 | 18.0 | 16.0 | 33.2 |
| 52 | 17.7 | 15.3 | 31.9 |

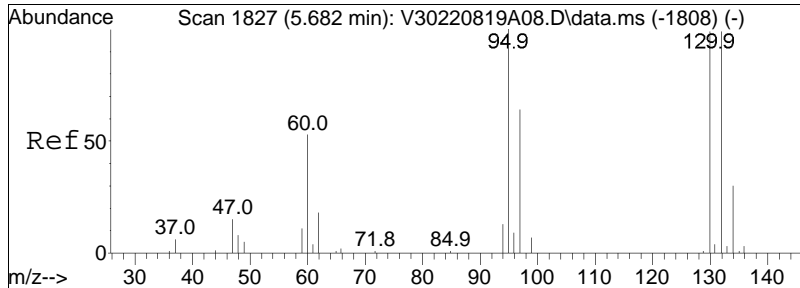




#44
 1,2-Dichloroethane
 Concen: 8.02 ug/L
 RT: 5.211 min Scan# 1658
 Delta R.T. -0.005 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

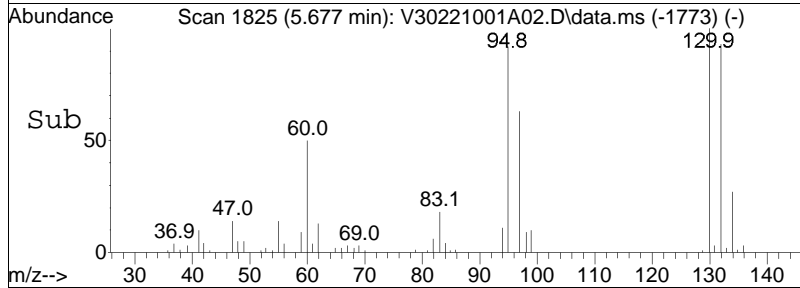
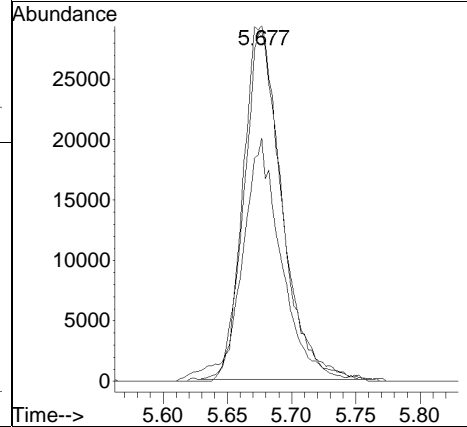
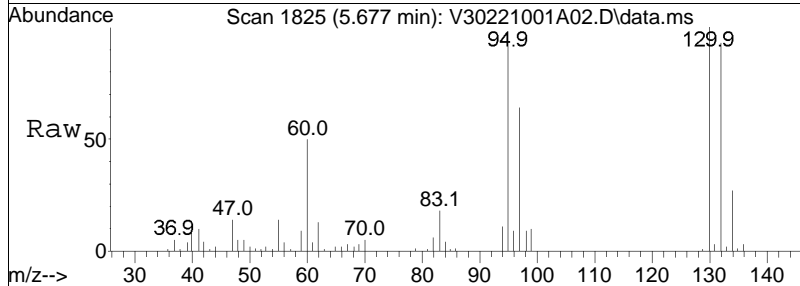
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 62 | 100 | | |
| 64 | 31.3 | 11.2 | 51.2 |
| 98 | 8.4 | 0.0 | 26.1 |

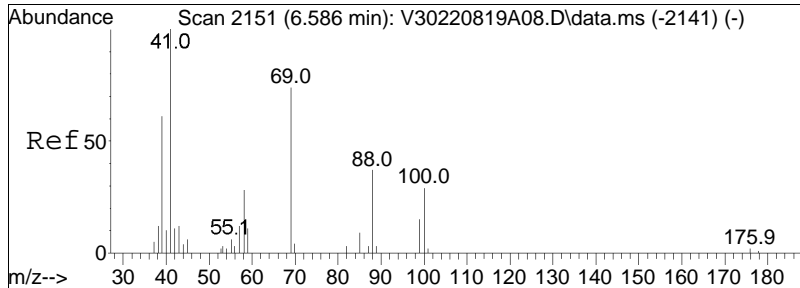




#48
 Trichloroethene
 Concen: 9.78 ug/L
 RT: 5.677 min Scan# 1825
 Delta R.T. -0.005 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

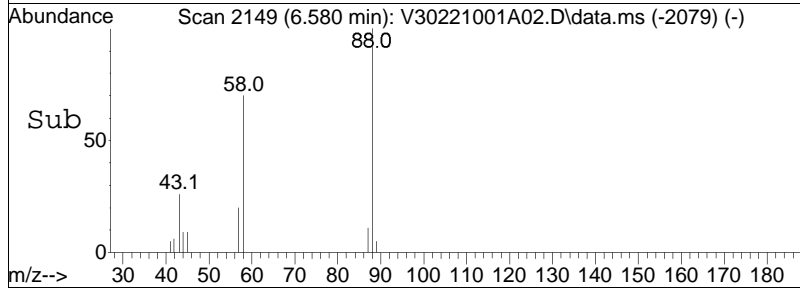
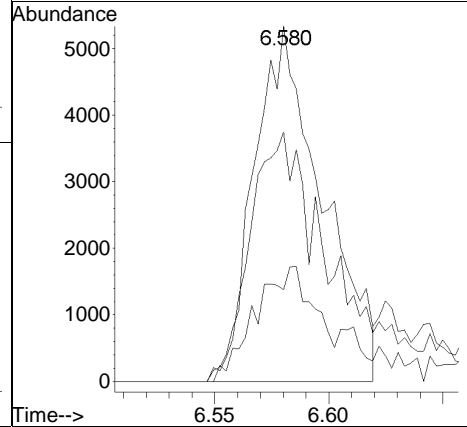
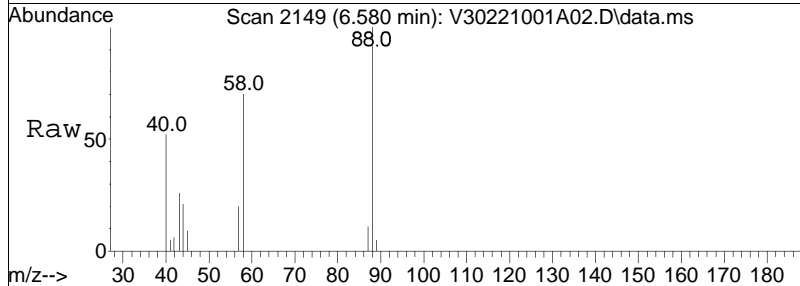
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 62176 | | |
| 95 | 100 | | |
| 97 | 69.2 | 55.5 | 83.3 |
| 132 | 95.7 | 76.6 | 115.0 |

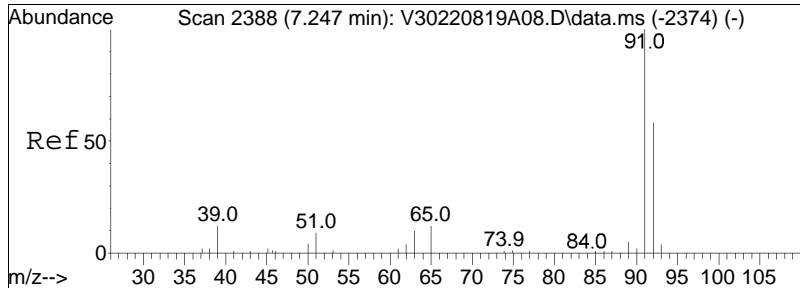




#57
 1,4-Dioxane
 Concen: 519.01 ug/L
 RT: 6.580 min Scan# 2149
 Delta R.T. -0.006 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

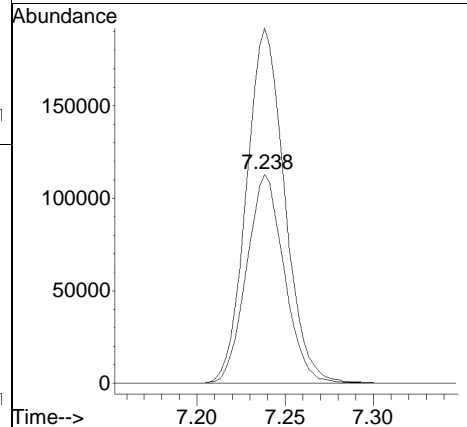
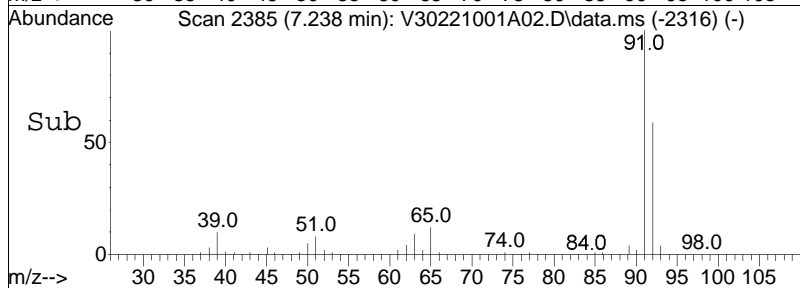
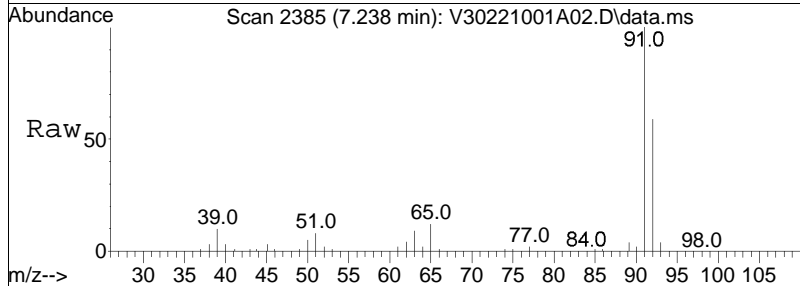
| Tgt Ion: | 88 | Resp: | 11083 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 83.3 | 76.7 | 115.1 |
| 43 | 28.7 | 36.2 | 54.2# |

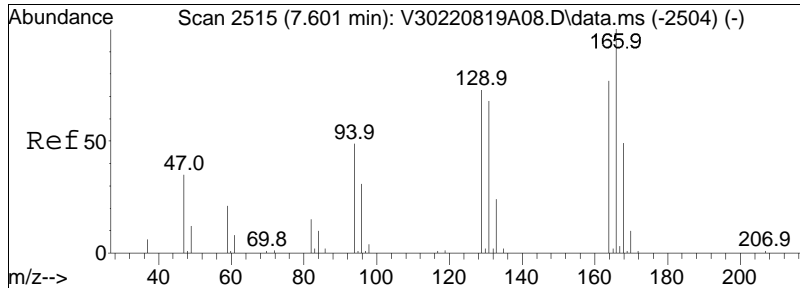




#61
 Toluene
 Concen: 10.02 ug/L
 RT: 7.238 min Scan# 2385
 Delta R.T. -0.009 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

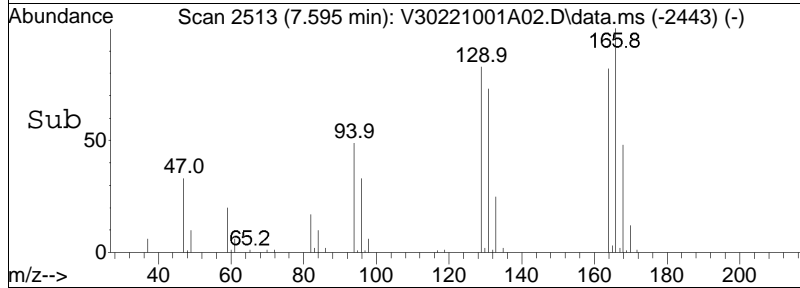
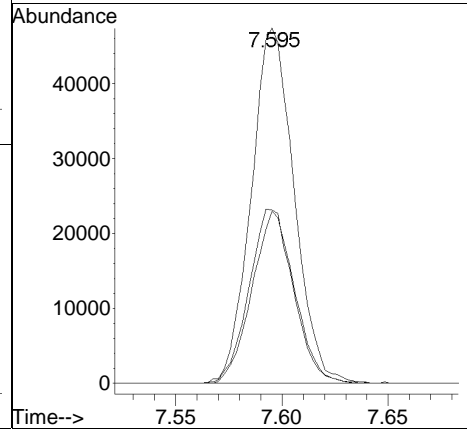
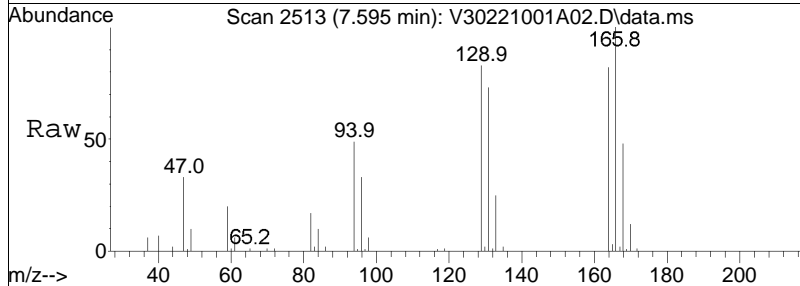
Tgt Ion: 92 Resp: 168159
 Ion Ratio Lower Upper
 92 100
 91 172.3 139.8 209.6

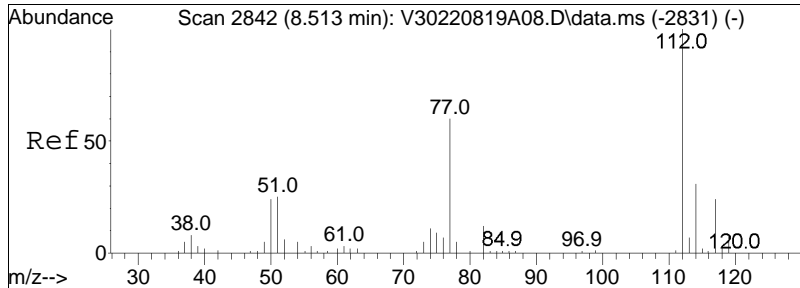




#63
 Tetrachloroethene
 Concen: 9.37 ug/L
 RT: 7.595 min Scan# 2513
 Delta R.T. -0.006 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

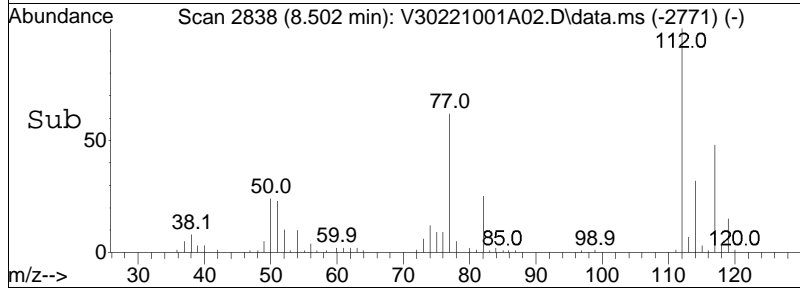
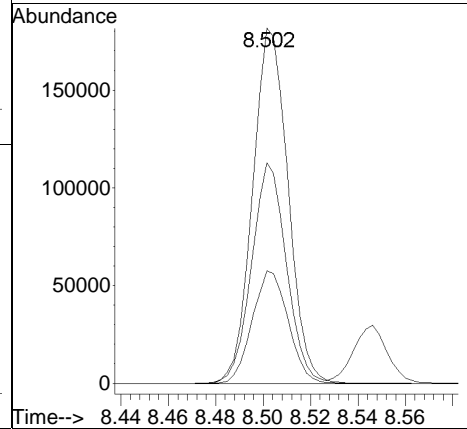
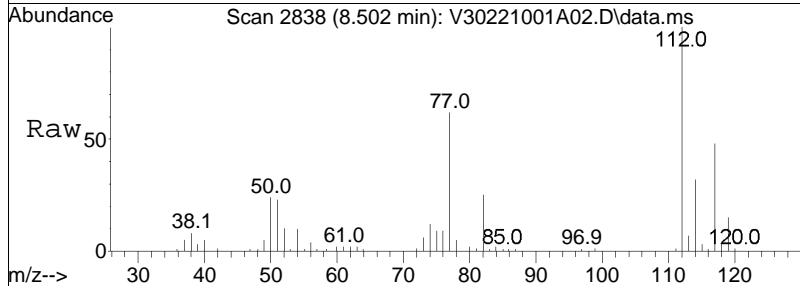
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 48.2 | 28.2 | 68.2 |
| 94 | 50.5 | 38.4 | 78.4 |

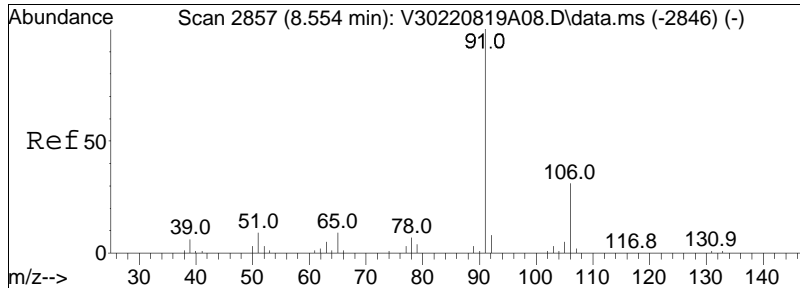




#73
 Chlorobenzene
 Concen: 10.16 ug/L
 RT: 8.502 min Scan# 2838
 Delta R.T. -0.011 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

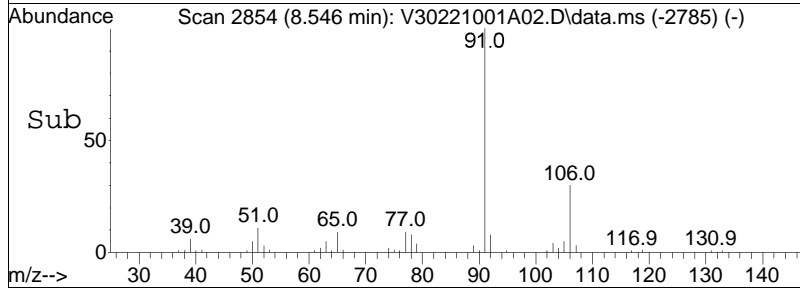
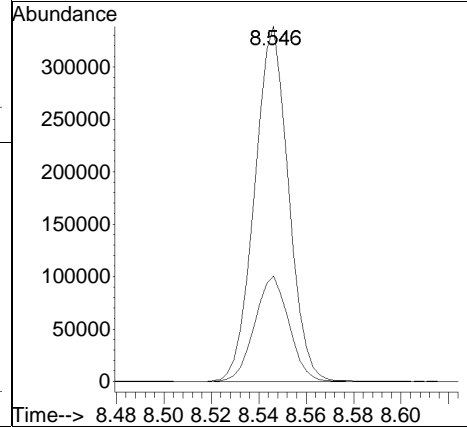
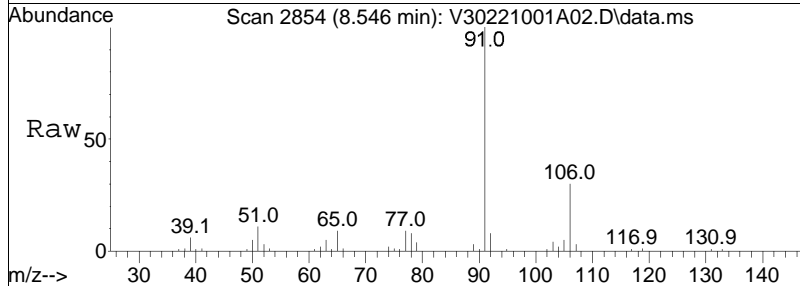
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 77 | 61.0 | 55.4 | 83.0 |
| 114 | 32.1 | 25.4 | 38.2 |

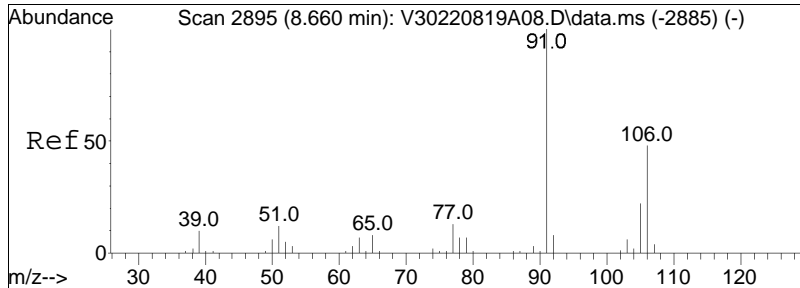




#74
 Ethylbenzene
 Concen: 10.26 ug/L
 RT: 8.546 min Scan# 2854
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

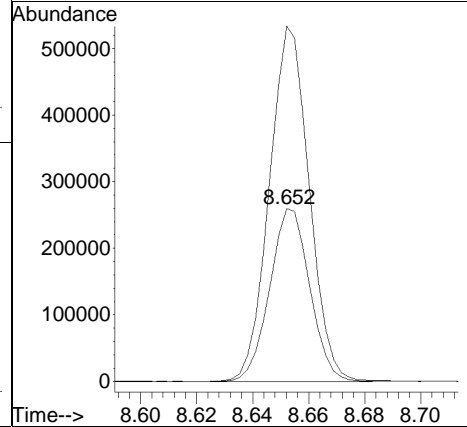
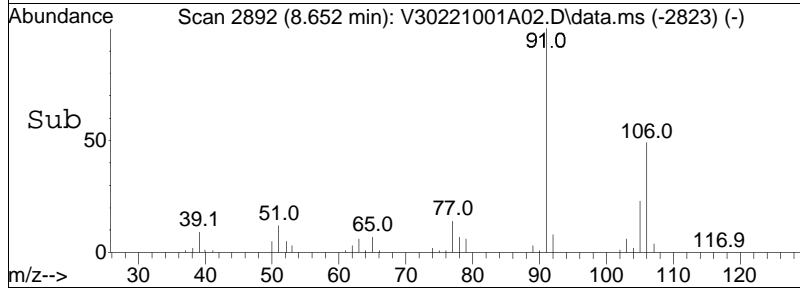
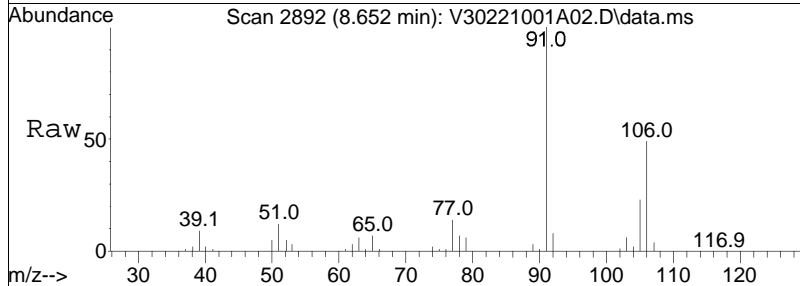
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 106 | 29.9 | 24.3 | 36.5 |

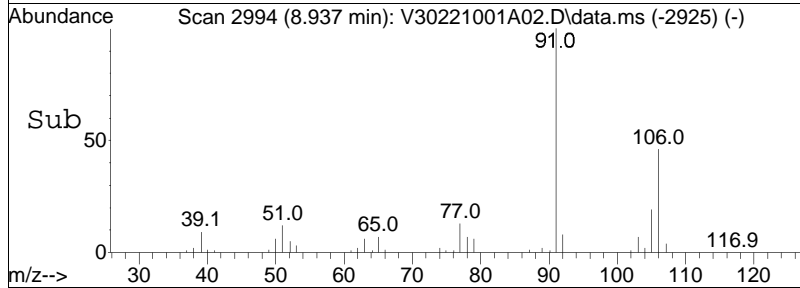
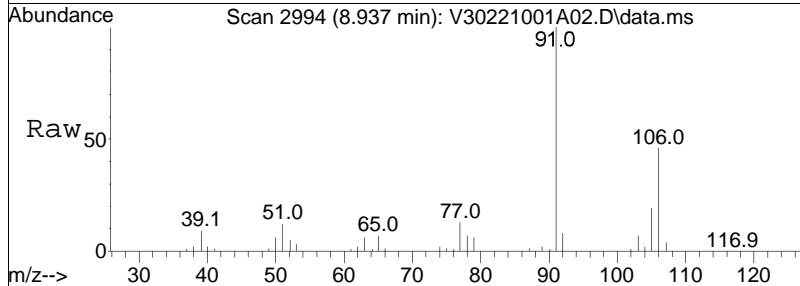
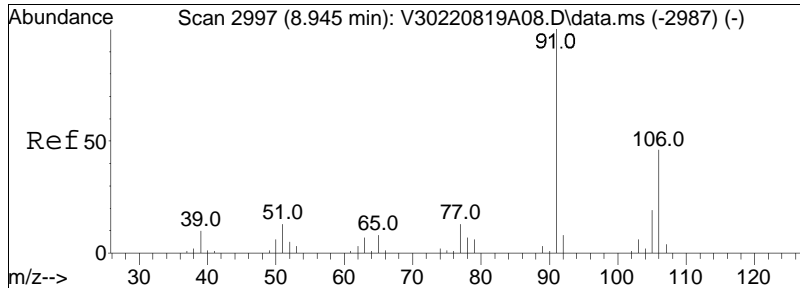




#76
 p/m Xylene
 Concen: 21.16 ug/L
 RT: 8.652 min Scan# 2892
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

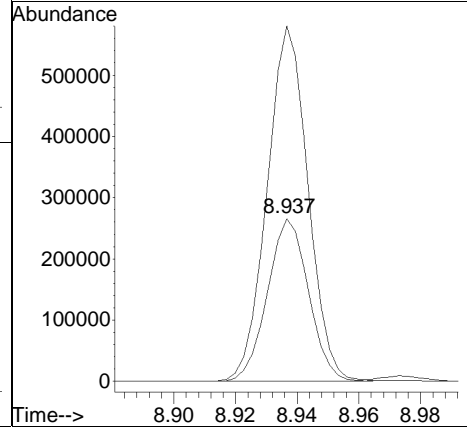
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 204.9 | 166.4 | 249.6 |

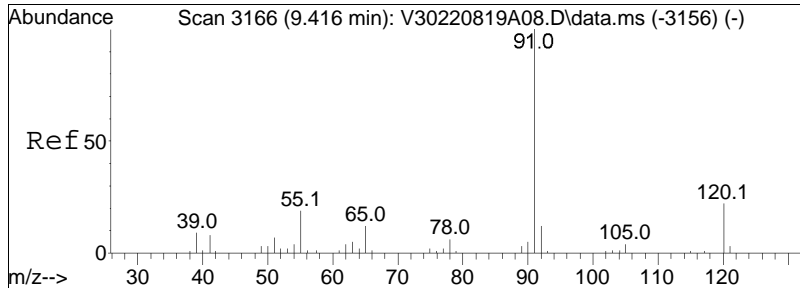




#77
 o Xylene
 Concen: 20.71 ug/L
 RT: 8.937 min Scan# 2994
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

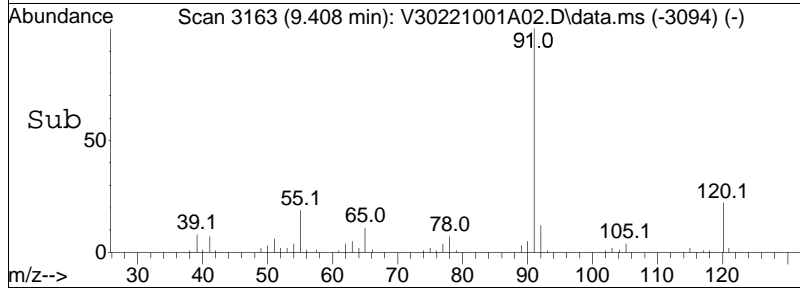
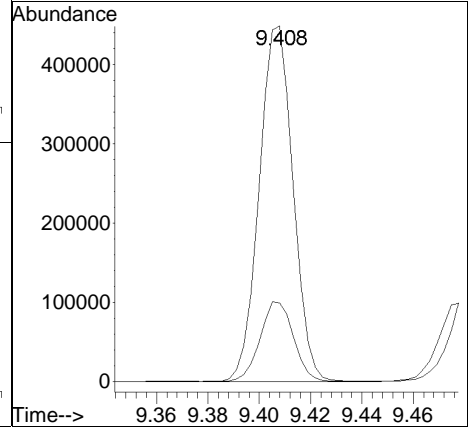
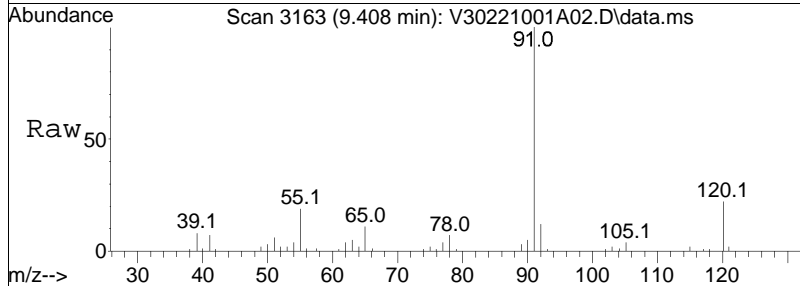
| Tgt Ion | 106 | 91 | Resp | 245936 |
|-----------|-----|-------|-------|--------|
| Ion Ratio | 100 | 217.3 | Lower | Upper |
| | | | 182.6 | 273.8 |

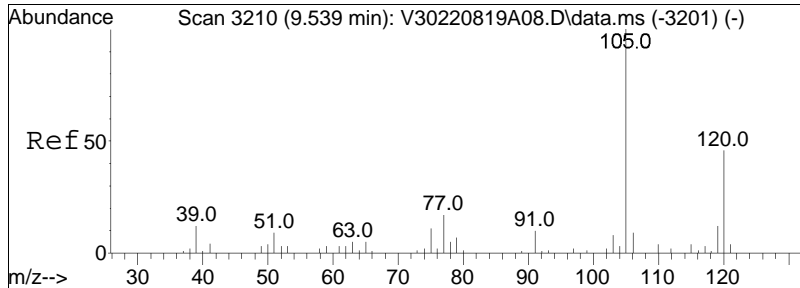




#85
 n-Propylbenzene
 Concen: 10.88 ug/L
 RT: 9.408 min Scan# 3163
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

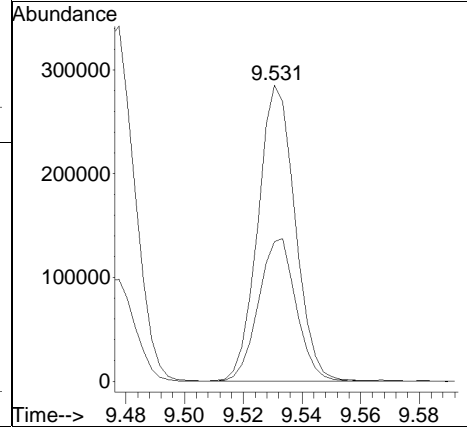
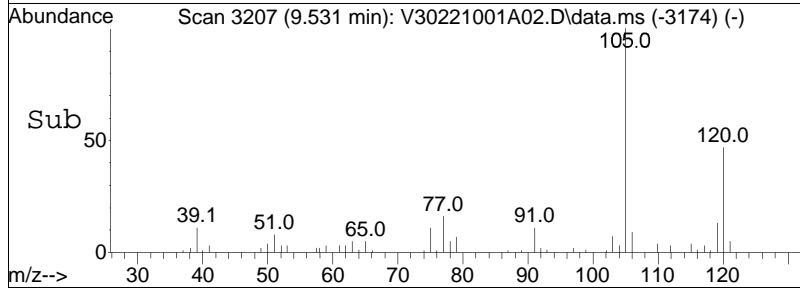
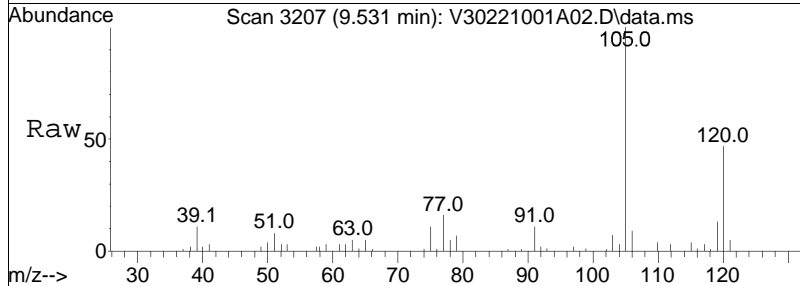
| Tgt Ion: | 91 | Resp: | 410284 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 120 | 22.1 | 17.0 | 25.6 |

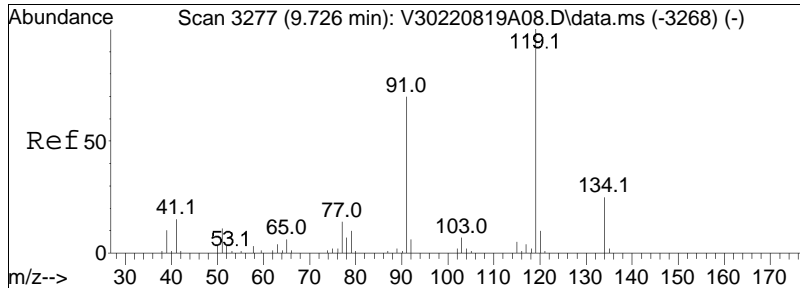




#90
 1,3,5-Trimethylbenzene
 Concen: 9.39 ug/L
 RT: 9.531 min Scan# 3207
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

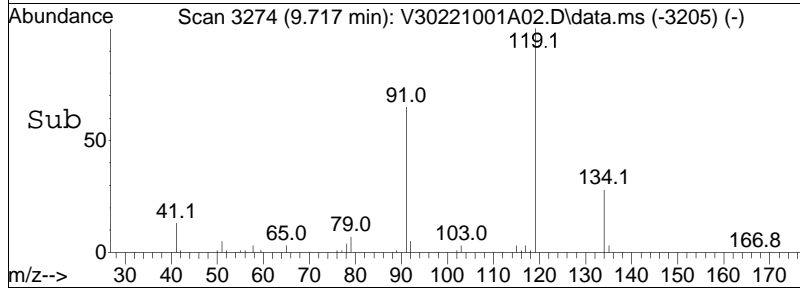
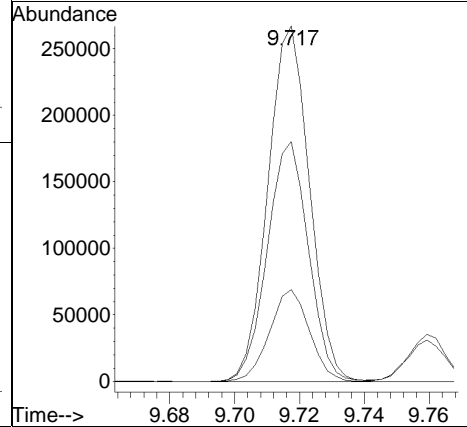
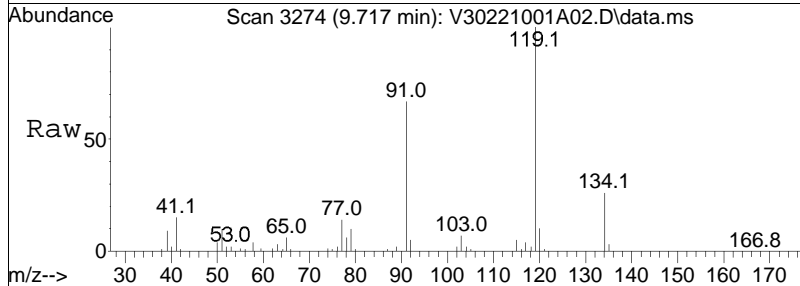
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 49.0 | 34.8 | 52.2 |

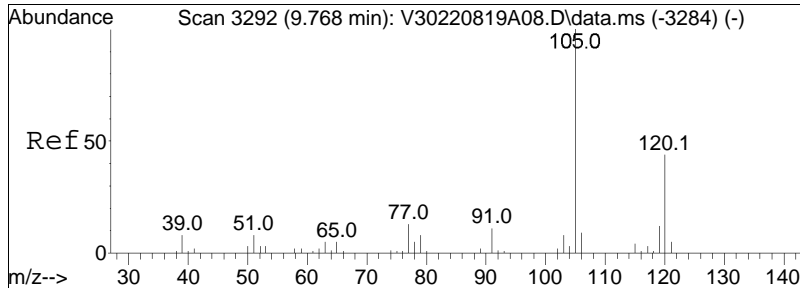




#94
 tert-Butylbenzene
 Concen: 10.33 ug/L
 RT: 9.717 min Scan# 3274
 Delta R.T. -0.009 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

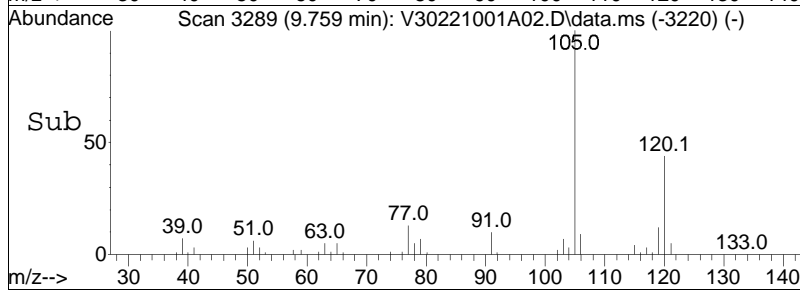
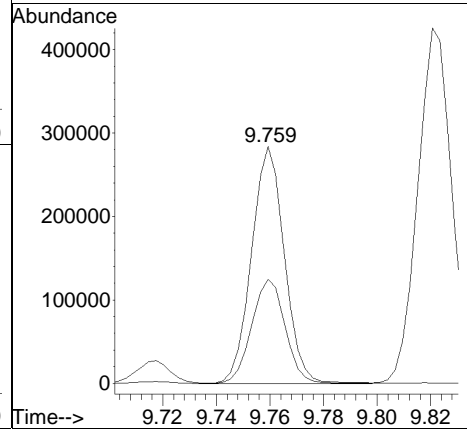
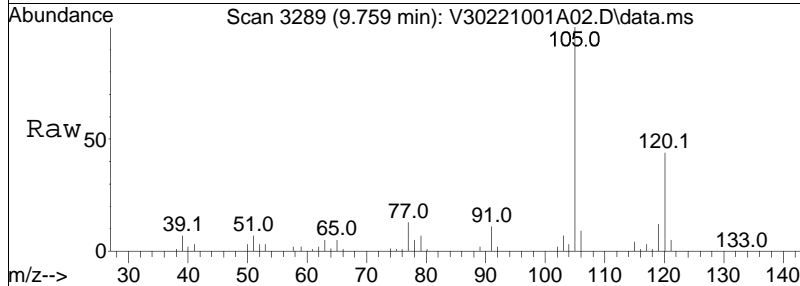
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 237718 | | |
| 119 | 100 | | |
| 91 | 66.9 | 51.4 | 77.2 |
| 134 | 24.8 | 18.3 | 27.5 |

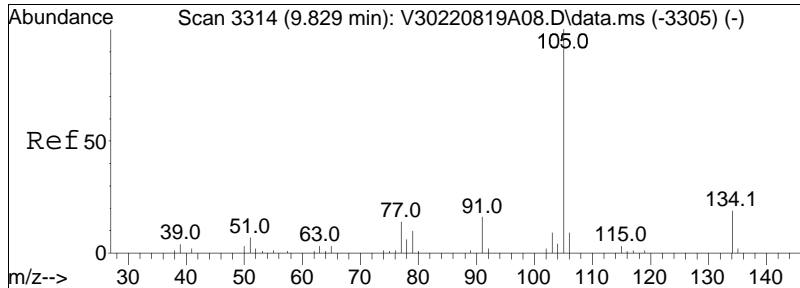




#97
 1,2,4-Trimethylbenzene
 Concen: 9.22 ug/L
 RT: 9.759 min Scan# 3289
 Delta R.T. -0.009 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

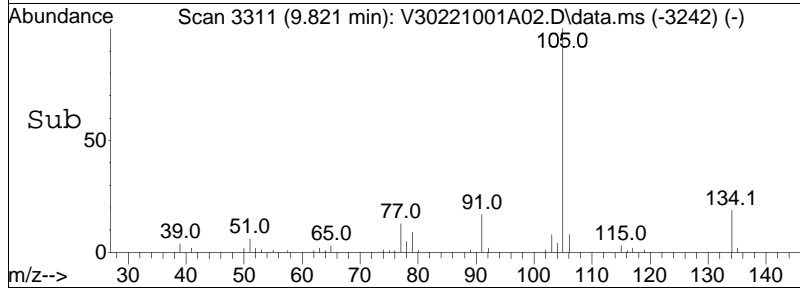
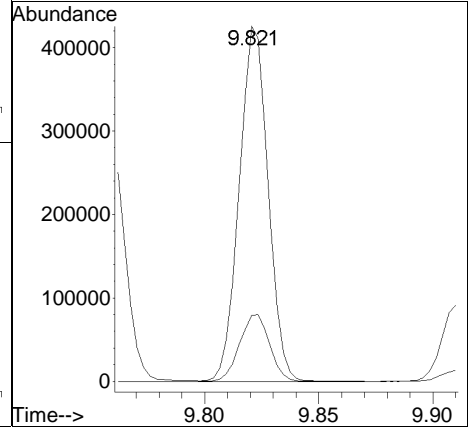
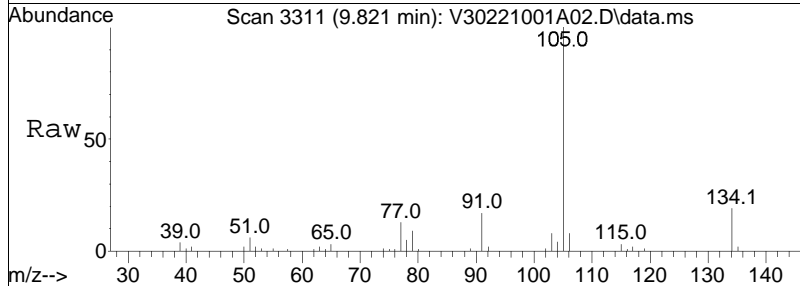
| Tgt Ion | 105 | 120 | Resp | 241757 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 44.5 | Lower | Upper |
| | | | 33.4 | 50.0 |

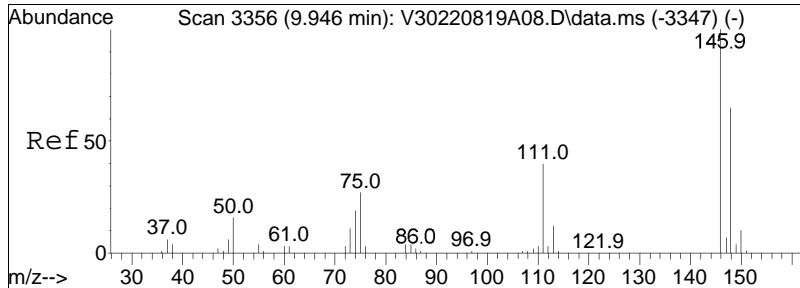




#98
 sec-Butylbenzene
 Concen: 10.87 ug/L
 RT: 9.821 min Scan# 3311
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

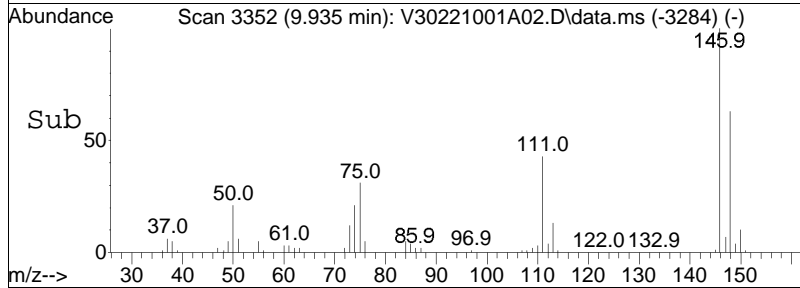
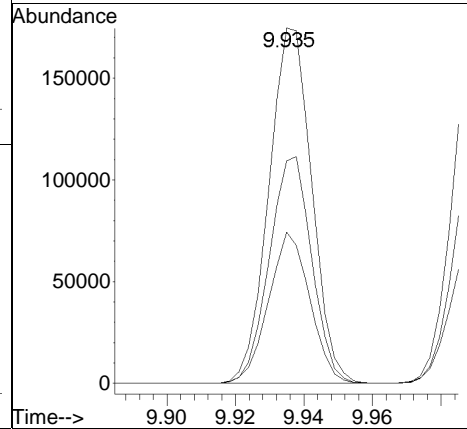
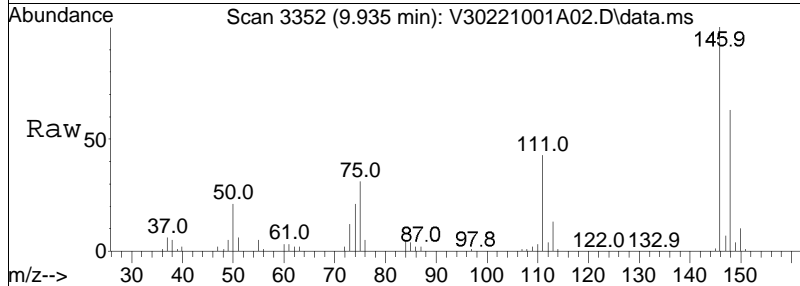
| Tgt Ion | 105 | 134 | Resp | 374590 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 19.5 | Lower | Upper |
| | | | 12.5 | 26.1 |

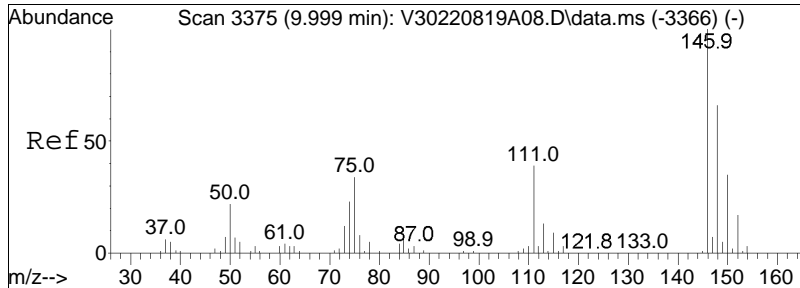




#100
 1,3-Dichlorobenzene
 Concen: 10.24 ug/L
 RT: 9.935 min Scan# 3352
 Delta R.T. -0.011 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

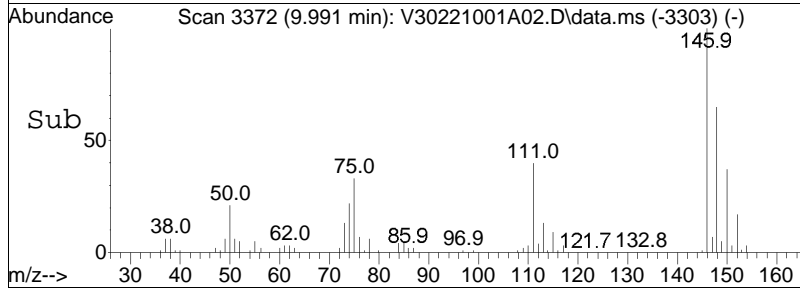
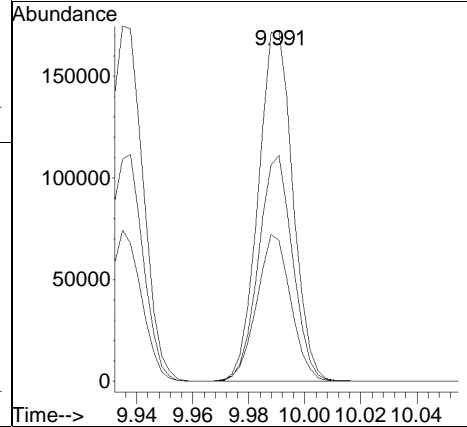
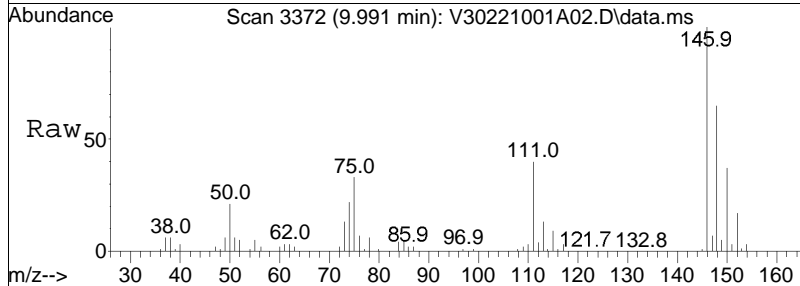
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 40.9 | 27.5 | 57.1 |
| 148 | 63.1 | 41.9 | 86.9 |

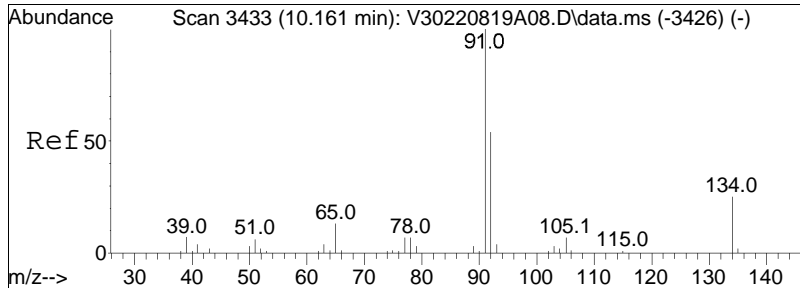




#101
 1,4-Dichlorobenzene
 Concen: 9.90 ug/L
 RT: 9.991 min Scan# 3372
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

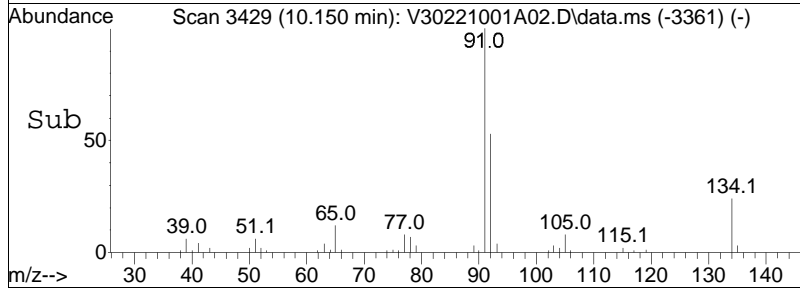
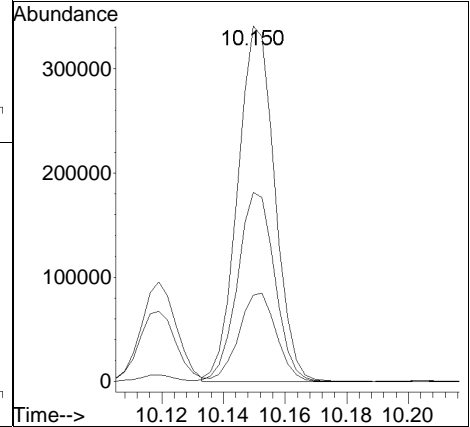
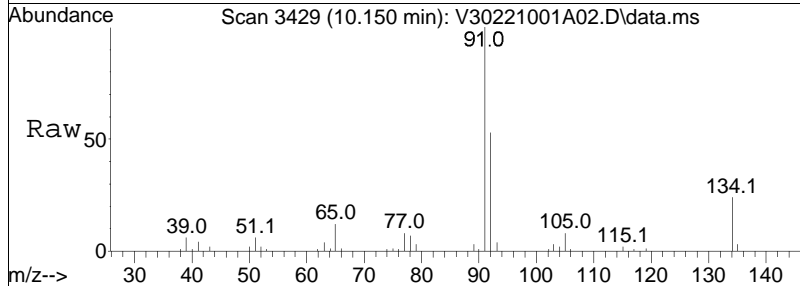
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 41.5 | 32.3 | 48.5 |
| 148 | 63.6 | 49.9 | 74.9 |

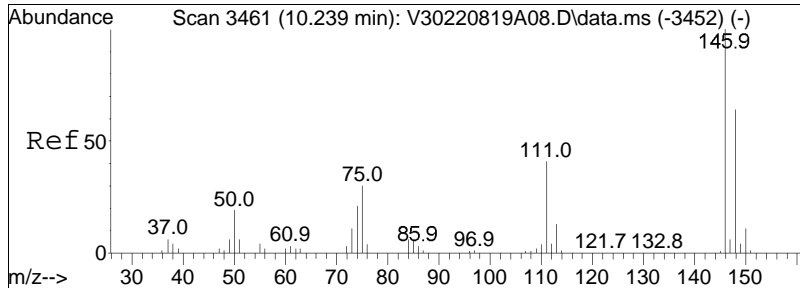




#103
 n-Butylbenzene
 Concen: 10.40 ug/L
 RT: 10.150 min Scan# 3429
 Delta R.T. -0.011 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

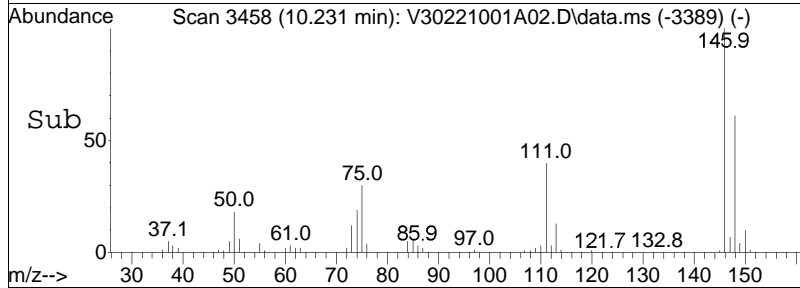
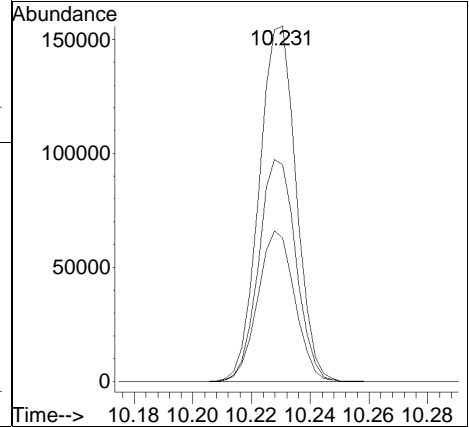
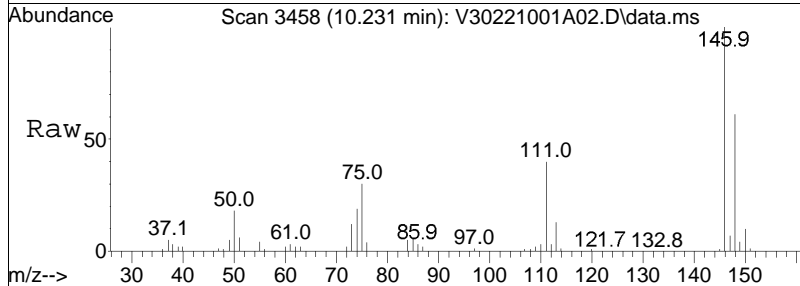
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 92 | 53.5 | 43.0 | 64.4 |
| 134 | 25.0 | 19.6 | 29.4 |





#104
 1,2-Dichlorobenzene
 Concen: 9.77 ug/L
 RT: 10.231 min Scan# 3458
 Delta R.T. -0.008 min
 Lab File: V30221001A02.D
 Acq: 01 Oct 2022 09:34 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 42.4 | 28.3 | 58.7 |
| 148 | 62.9 | 42.3 | 87.8 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|--------|------|----------------|----------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 435298 | 10.000 | ug/L | 0.00 | |
| 59) Chlorobenzene-d5 | 9.768 | 117 | 345913 | 10.000 | ug/L | 0.00 | |
| 79) 1,4-Dichlorobenzene-d4 | 12.426 | 152 | 201700 | 10.000 | ug/L | 0.00 | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.395 | 113 | 111588 | 9.908 | ug/L | 0.00 | |
| Spiked Amount | 10.000 | | Range 70 - 130 | Recovery | = | 99.08% | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 144655 | 10.303 | ug/L | 0.00 | |
| Spiked Amount | 10.000 | | Range 70 - 130 | Recovery | = | 103.03% | |
| 60) Toluene-d8 | 7.915 | 98 | 443075 | 10.018 | ug/L | 0.00 | |
| Spiked Amount | 10.000 | | Range 70 - 130 | Recovery | = | 100.18% | |
| 83) 4-Bromofluorobenzene | 11.233 | 95 | 165218 | 8.919 | ug/L | 0.00 | |
| Spiked Amount | 10.000 | | Range 70 - 130 | Recovery | = | 89.19% | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 2.006 | 62 | 60727 | 10.752 | ug/L | 98 | Qvalue |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 54887 | 10.079 | ug/L | 87 | |
| 15) Methylene chloride | 3.678 | 84 | 59726 | 8.717 | ug/L # | 74 | |
| 17) Acetone | 3.723 | 43 | 17371 | 8.030 | ug/L | 100 | |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 60698 | 9.944 | ug/L | 90 | |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 136758 | 7.346 | ug/L # | 86 | |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 120068 | 9.793 | ug/L | 99 | |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 68183 | 9.565 | ug/L | 89 | |
| 32) Chloroform | 5.220 | 83 | 110962 | 9.207 | ug/L | 96 | |
| 34) Carbon tetrachloride | 5.349 | 117 | 93265 | 10.015 | ug/L | 99 | |
| 37) 1,1,1-Trichloroethane | 5.417 | 97 | 105403 | 9.874 | ug/L | 95 | |
| 39) 2-Butanone | 5.516 | 43 | 30448 | 7.573 | ug/L # | 69 | |
| 41) Benzene | 5.790 | 78 | 276073 | 10.565 | ug/L | 94 | |
| 44) 1,2-Dichloroethane | 6.002 | 62 | 90426 | 9.333 | ug/L | 99 | |
| 48) Trichloroethene | 6.390 | 95 | 70506 | 9.821 | ug/L | 98 | |
| 57) 1,4-Dioxane | 7.227 | 88 | 33249 | 377.827 | ug/L # | 79 | |
| 61) Toluene | 7.972 | 92 | 172309 | 9.933 | ug/L | 96 | |
| 63) Tetrachloroethene | 8.416 | 166 | 76542 | 10.075 | ug/L | 98 | |
| 73) Chlorobenzene | 9.793 | 112 | 196229 | 10.459 | ug/L | 97 | |
| 74) Ethylbenzene | 9.826 | 91 | 337076 | 9.875 | ug/L | 100 | |
| 76) p/m Xylene | 10.007 | 106 | 274733 | 20.982 | ug/L | 100 | |
| 77) o Xylene | 10.542 | 106 | 259706 | 20.525 | ug/L | 99 | |
| 85) n-Propylbenzene | 11.381 | 91 | 431140 | 10.588 | ug/L | 98 | |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 310879 | 10.733 | ug/L | 98 | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 94) tert-Butylbenzene | 11.932 | 119 | 264541 | 10.772 | ug/L | 99 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 294053 | 10.451 | ug/L | 99 |
| 98) sec-Butylbenzene | 12.121 | 105 | 409669 | 11.278 | ug/L | 100 |
| 100) 1,3-Dichlorobenzene | 12.351 | 146 | 175681 | 10.957 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 177144 | 10.892 | ug/L | 99 |
| 103) n-Butylbenzene | 12.697 | 91 | 291914 | 11.485 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 12.861 | 146 | 161088 | 10.452 | ug/L | 98 |

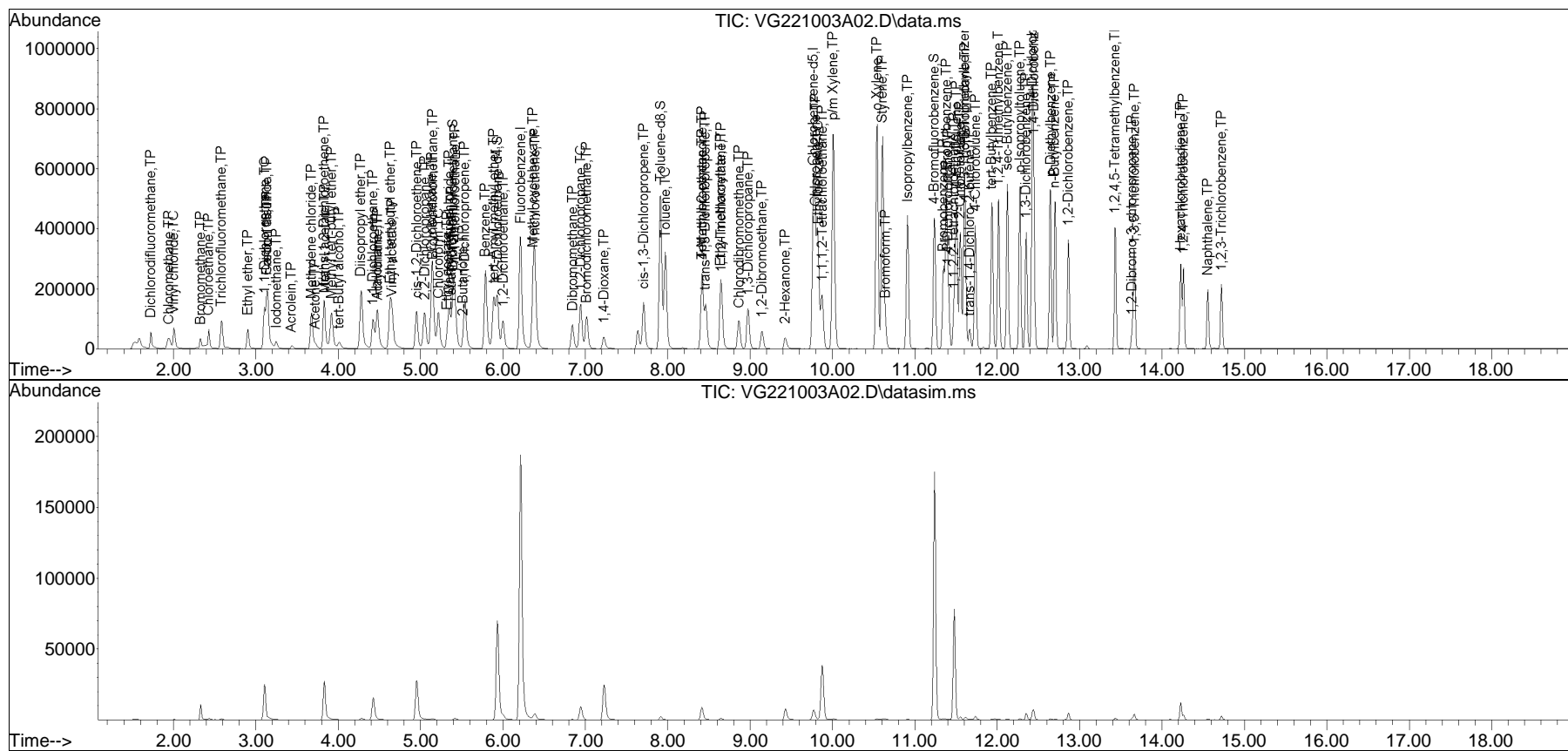
(#) = qualifier out of range (m) = manual integration (+) = signals summed

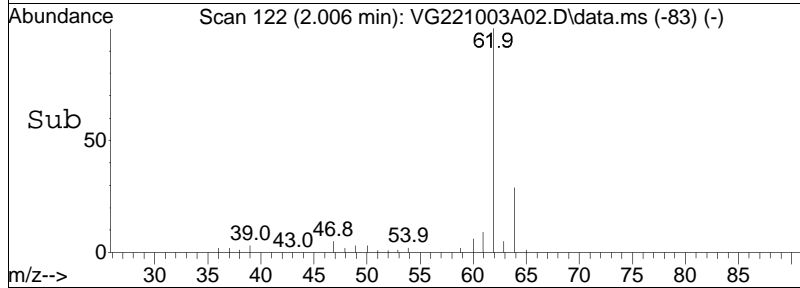
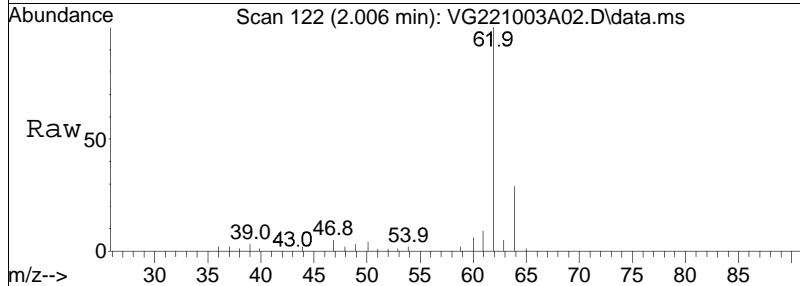
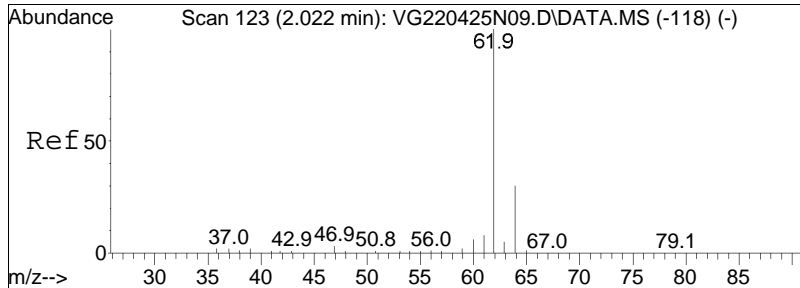
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A02.D
 Acq On : 3 Oct 2022 9:51 am
 Operator : GONZO:PD
 Sample : WG1694869-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 10:16:53 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

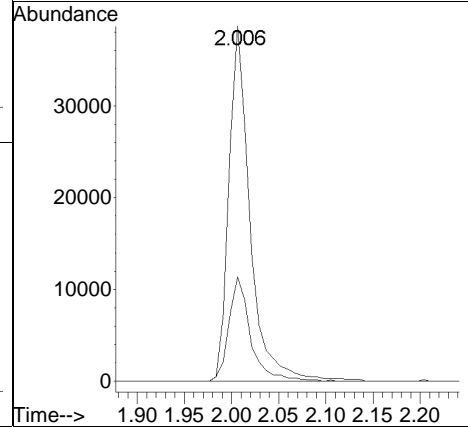
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

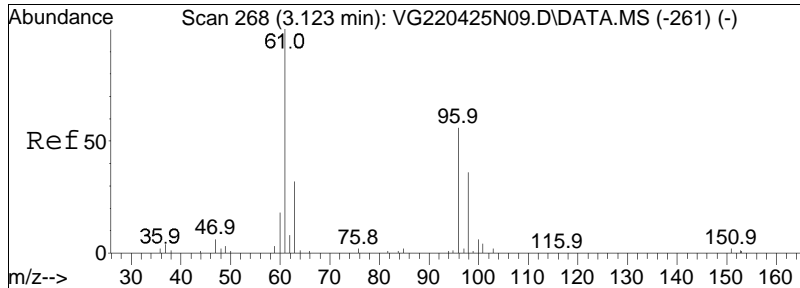




#4
 Vinyl chloride
 Concen: 10.75 ug/L
 RT: 2.006 min Scan# 122
 Delta R.T. -0.001 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

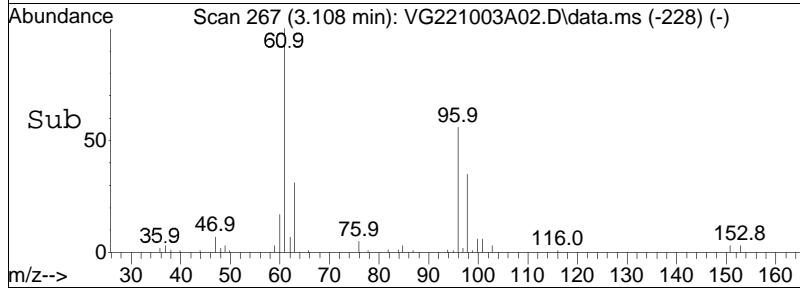
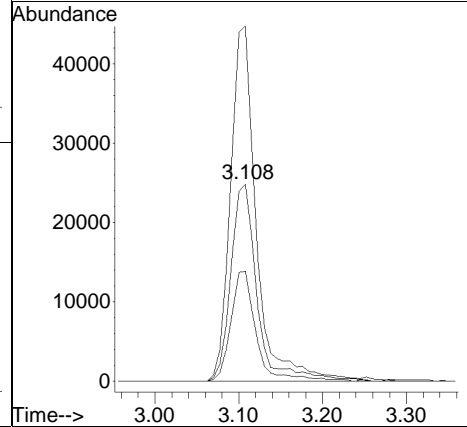
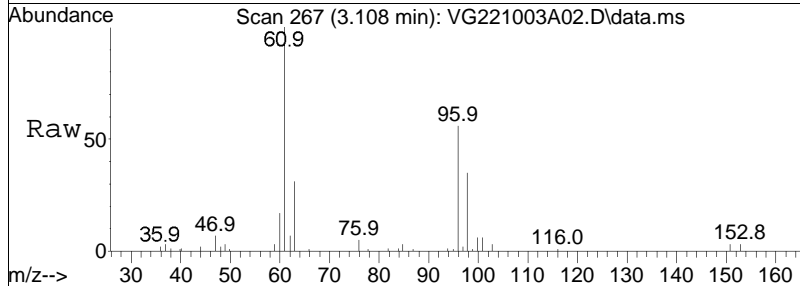
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 30.3 | 11.3 | 51.3 |

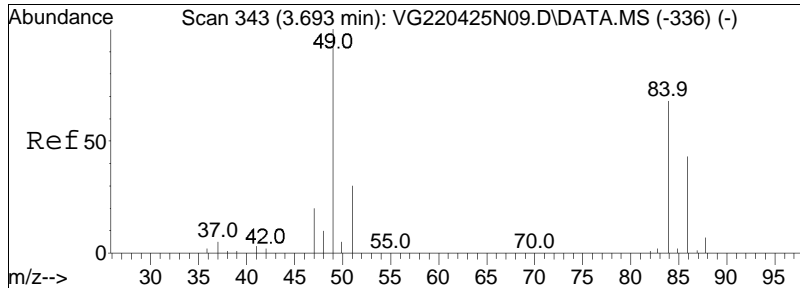




#10
 1,1-Dichloroethene
 Concen: 10.08 ug/L
 RT: 3.108 min Scan# 267
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

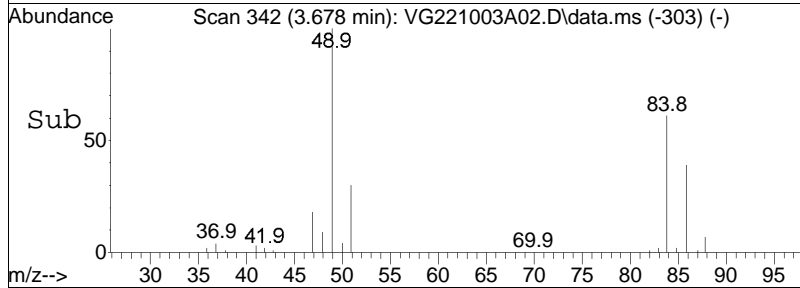
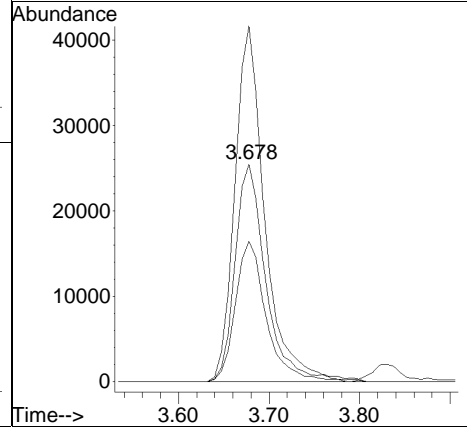
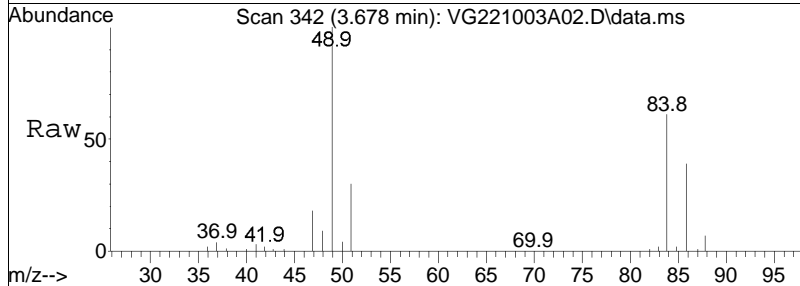
| Tgt Ion | Resp | Lower | Upper |
|-----------|-------|-------|-------|
| 96 | 54887 | | |
| Ion Ratio | | | |
| 96 | 100 | | |
| 61 | 175.4 | 124.2 | 186.4 |
| 63 | 53.7 | 40.0 | 60.0 |

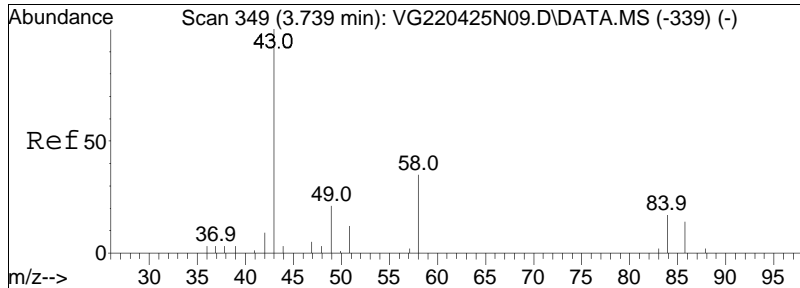




#15
 Methylene chloride
 Concen: 8.72 ug/L
 RT: 3.678 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

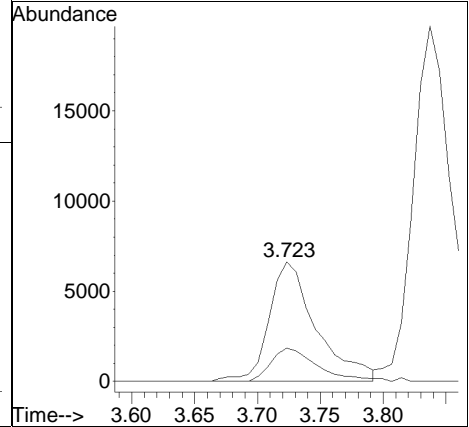
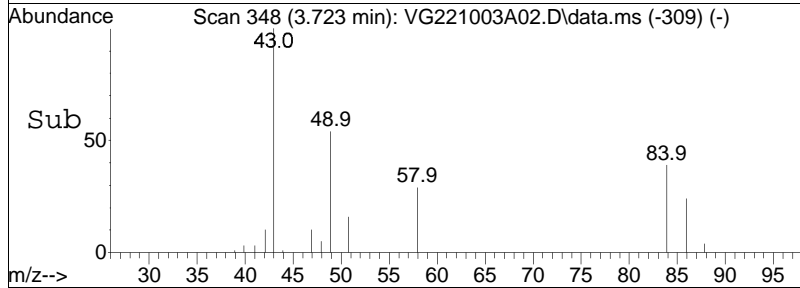
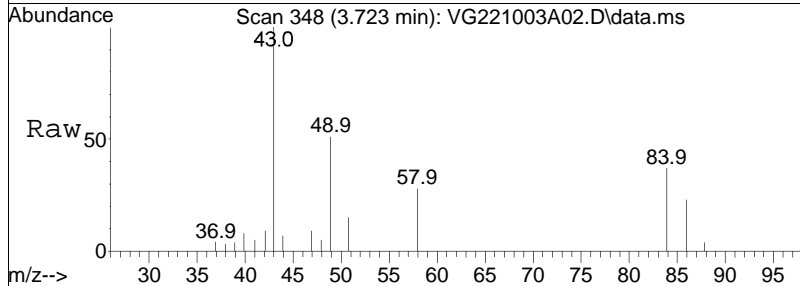
| Tgt Ion: | 84 | Resp: | 59726 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 64.8 | 41.1 | 85.5 |
| 49 | 159.7 | 76.2 | 158.2# |

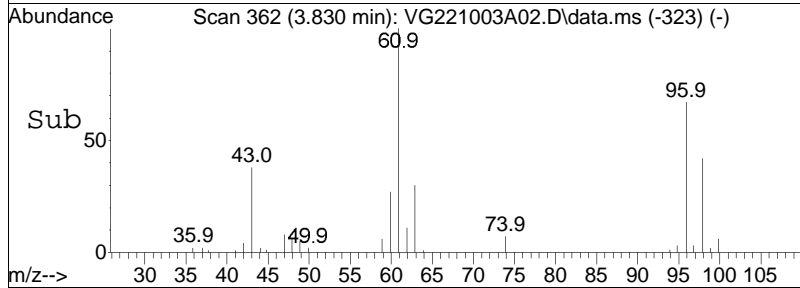
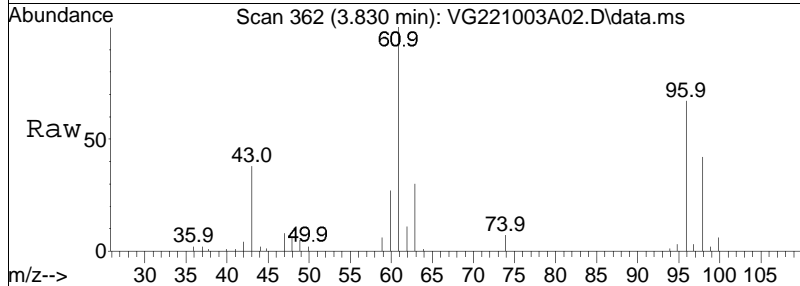
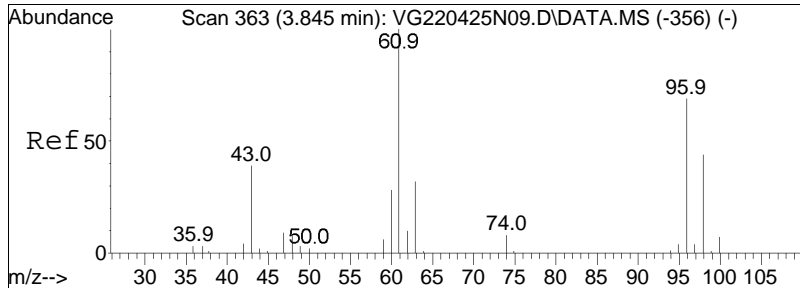




#17
 Acetone
 Concen: 8.03 ug/L
 RT: 3.723 min Scan# 348
 Delta R.T. -0.001 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

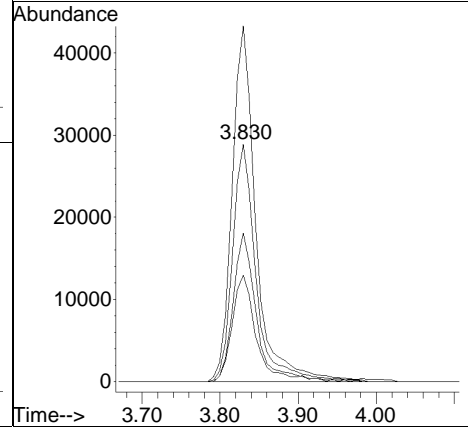
Tgt Ion: 43 Resp: 17371
 Ion Ratio Lower Upper
 43 100
 58 27.6 22.2 33.4

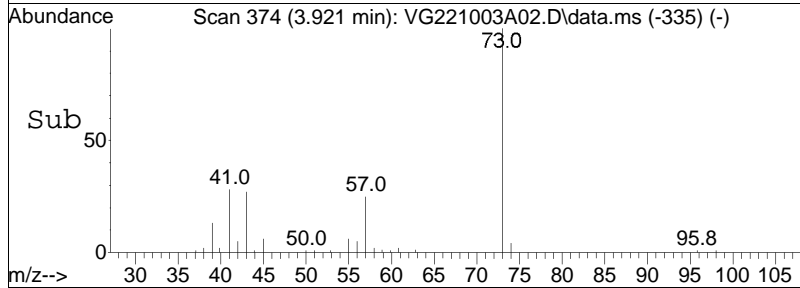
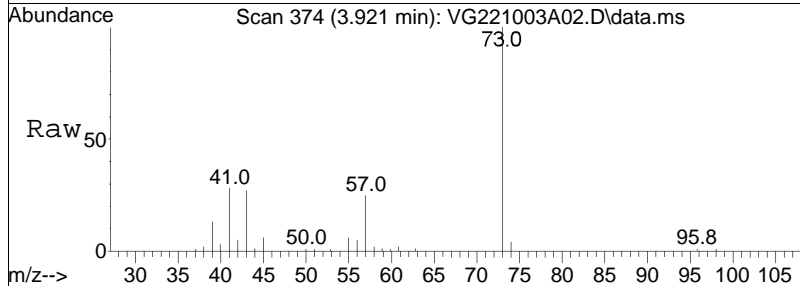
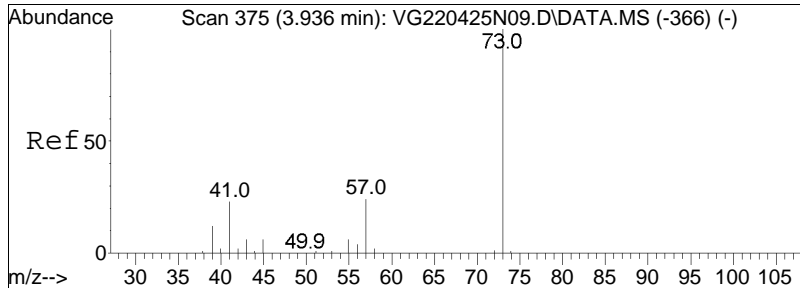




#18
 trans-1,2-Dichloroethene
 Concen: 9.94 ug/L
 RT: 3.830 min Scan# 362
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

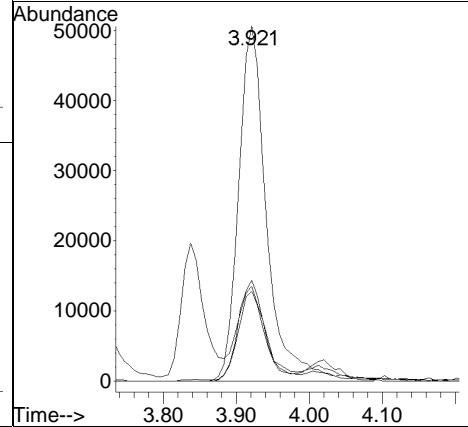
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 150.9 | 85.7 | 178.1 |
| 98 | 61.5 | 40.2 | 83.4 |
| 63 | 45.6 | 28.0 | 58.2 |

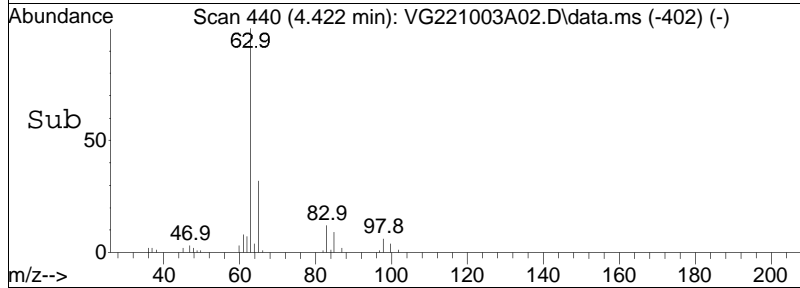
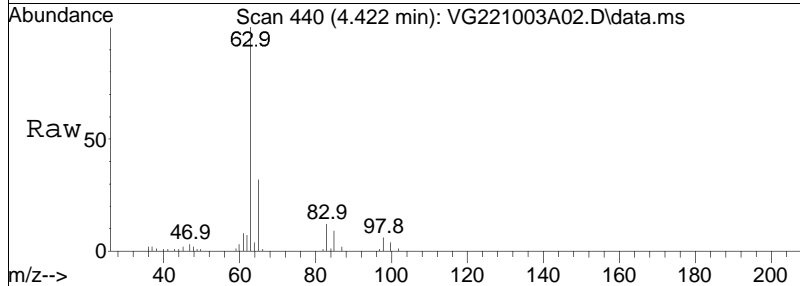
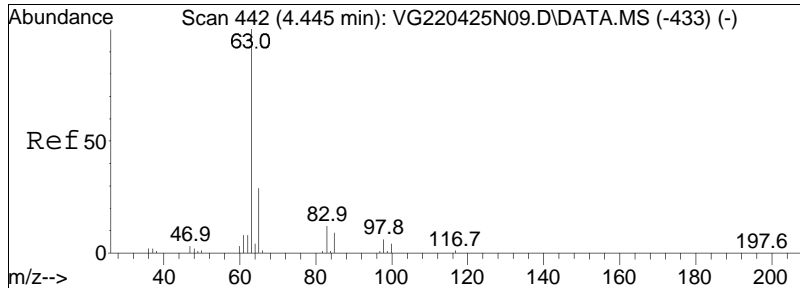




#20
 Methyl tert-butyl ether
 Concen: 7.35 ug/L
 RT: 3.921 min Scan# 374
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

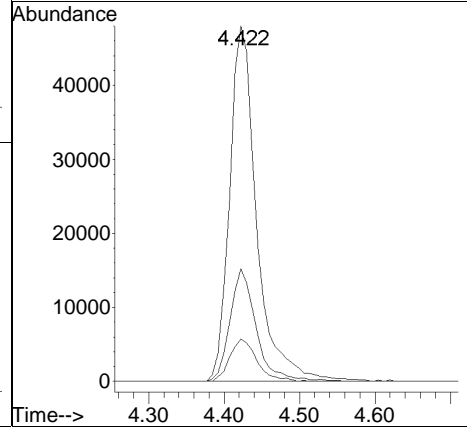
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 73 | 136758 | | |
| 73 | 100 | | |
| 57 | 24.7 | 12.5 | 26.1 |
| 43 | 26.8 | 13.0 | 27.0 |
| 41 | 26.5 | 12.5 | 26.1 |

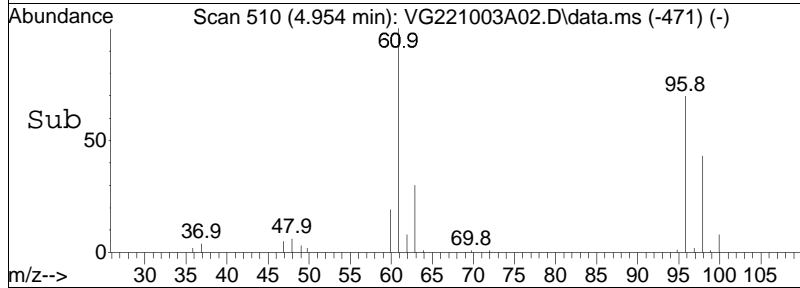
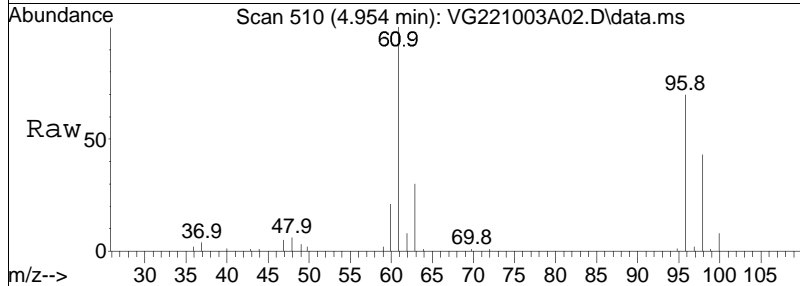
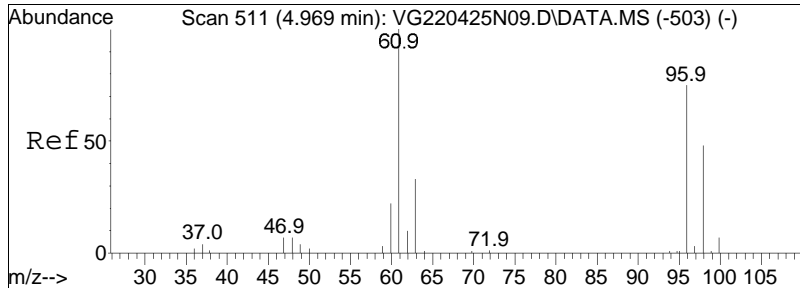




#23
 1,1-Dichloroethane
 Concen: 9.79 ug/L
 RT: 4.422 min Scan# 440
 Delta R.T. -0.008 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

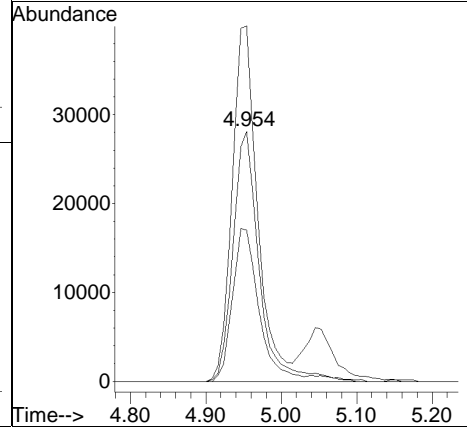
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 63 | 120068 | | |
| 65 | 30.6 | 10.4 | 50.4 |
| 83 | 12.0 | 0.0 | 33.2 |

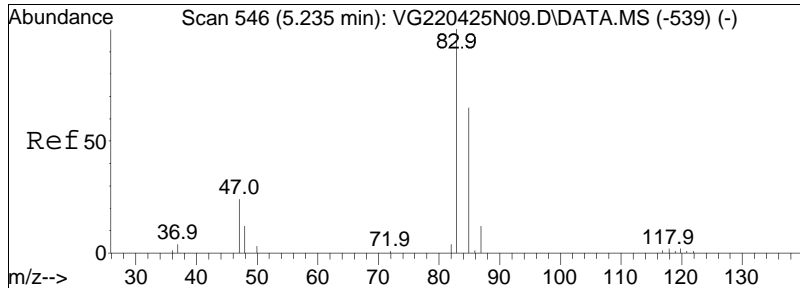




#28
 cis-1,2-Dichloroethene
 Concen: 9.56 ug/L
 RT: 4.954 min Scan# 510
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

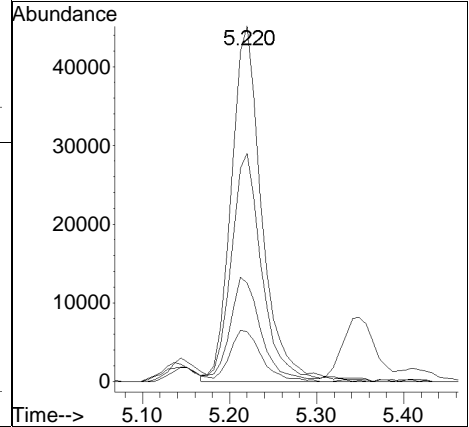
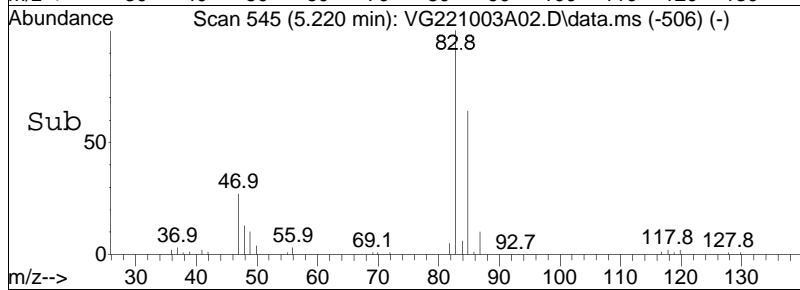
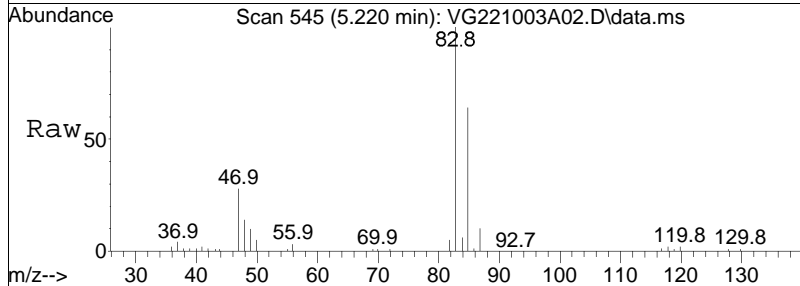
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.3 | 96.6 | 144.8 |
| 98 | 61.4 | 51.3 | 76.9 |

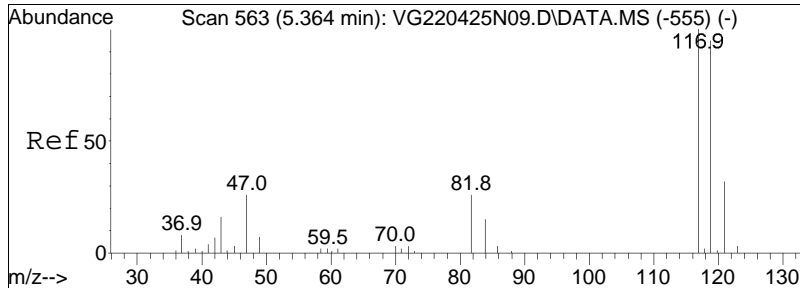




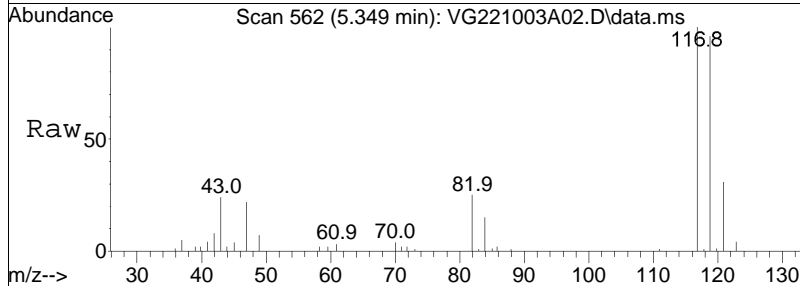
#32
 Chloroform
 Concen: 9.21 ug/L
 RT: 5.220 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 110962 | | |
| 85 | 64.8 | 41.4 | 86.0 |
| 47 | 27.0 | 15.1 | 31.3 |
| 48 | 14.7 | 7.7 | 16.1 |

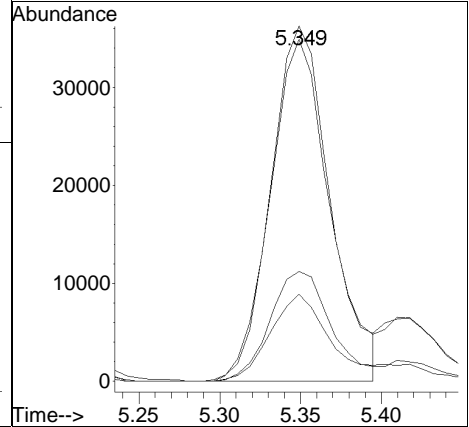
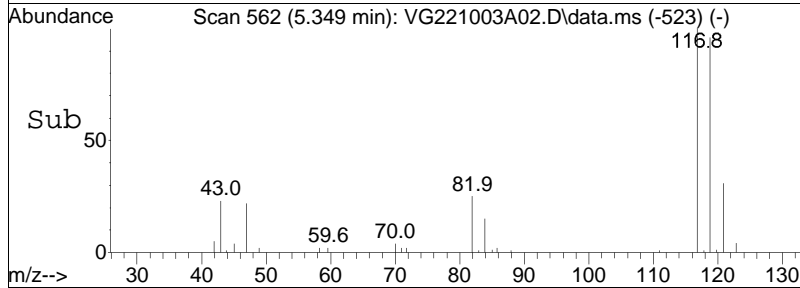


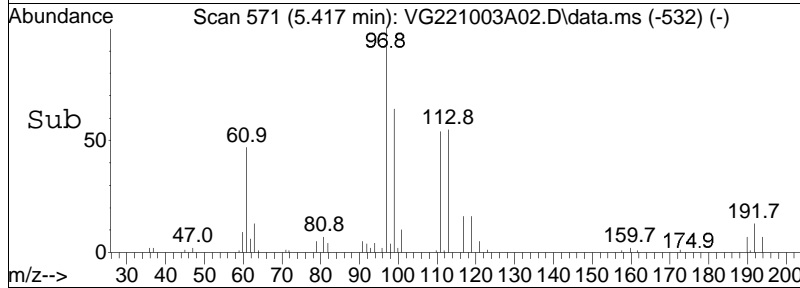
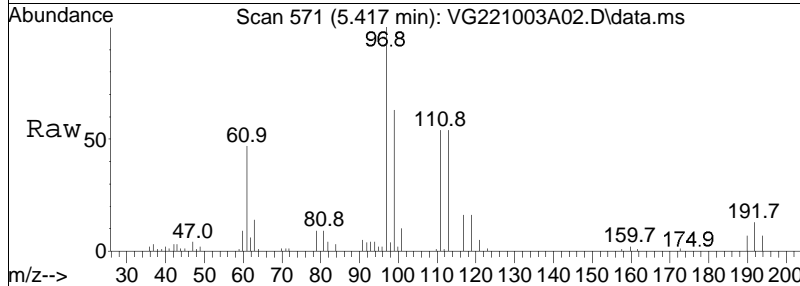
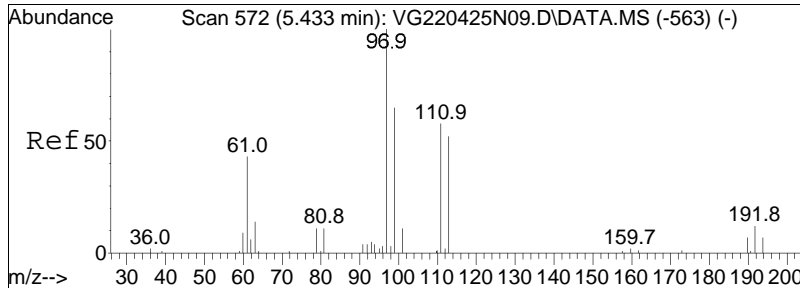


#34
 Carbon tetrachloride
 Concen: 10.02 ug/L
 RT: 5.349 min Scan# 562
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am



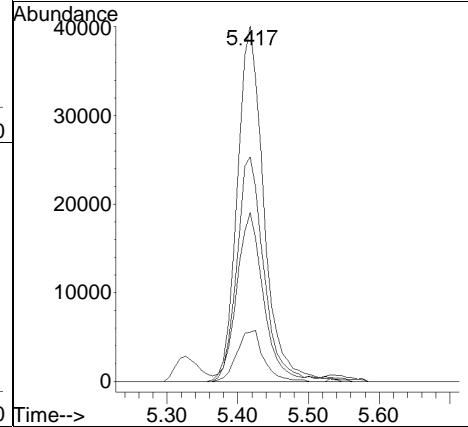
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 96.1 | 63.2 | 131.2 |
| 121 | 32.5 | 20.4 | 42.4 |
| 82 | 24.5 | 15.4 | 32.0 |

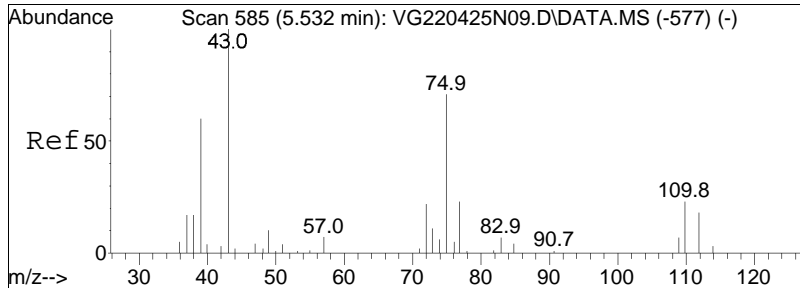




#37
 1,1,1-Trichloroethane
 Concen: 9.87 ug/L
 RT: 5.417 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

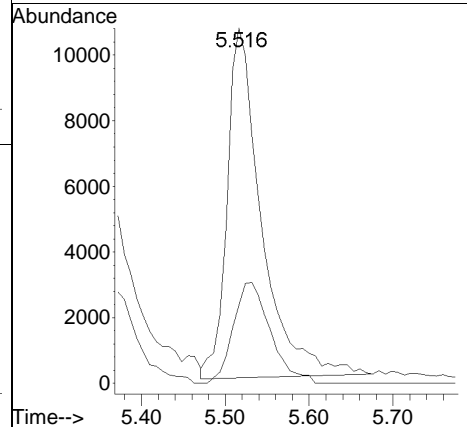
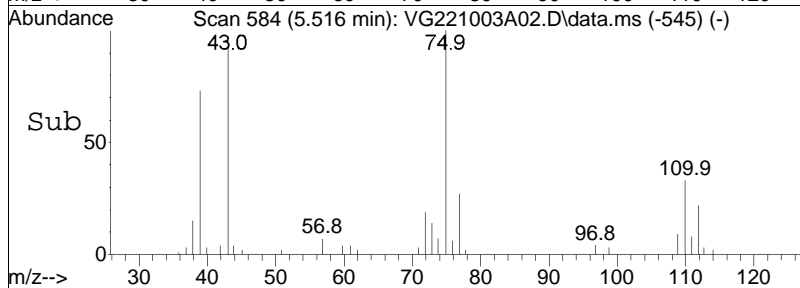
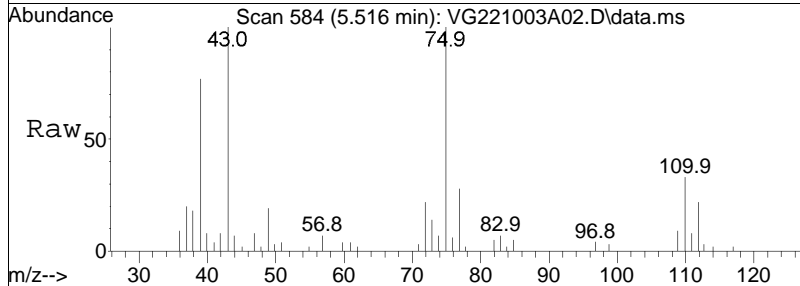
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 97 | 105403 | | |
| 97 | 100 | | |
| 99 | 63.7 | 41.3 | 85.7 |
| 61 | 47.3 | 26.0 | 54.0 |
| 63 | 14.3 | 8.6 | 18.0 |

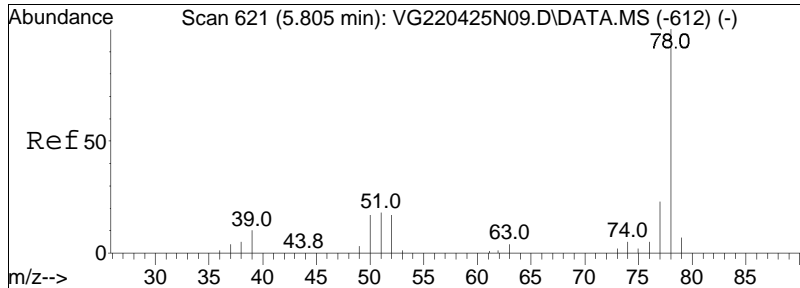




#39
 2-Butanone
 Concen: 7.57 ug/L
 RT: 5.516 min Scan# 584
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

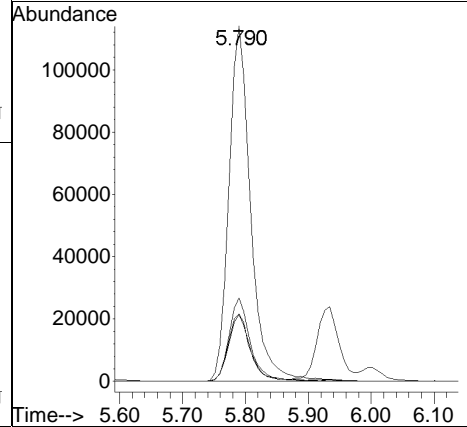
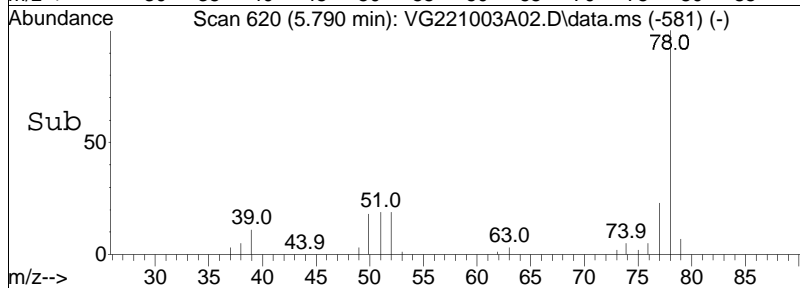
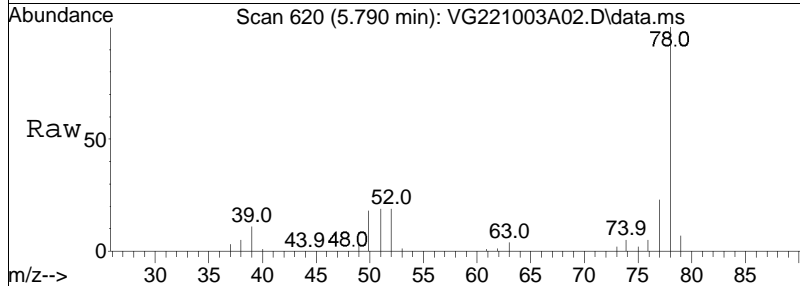
Tgt Ion: 43 Resp: 30448
 Ion Ratio Lower Upper
 43 100
 72 31.2 42.6 63.8#

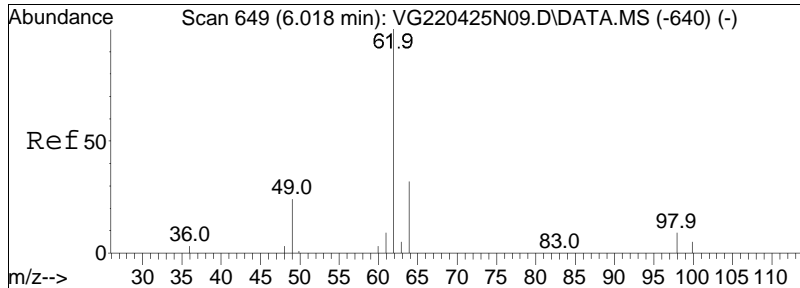




#41
 Benzene
 Concen: 10.56 ug/L
 RT: 5.790 min Scan# 620
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

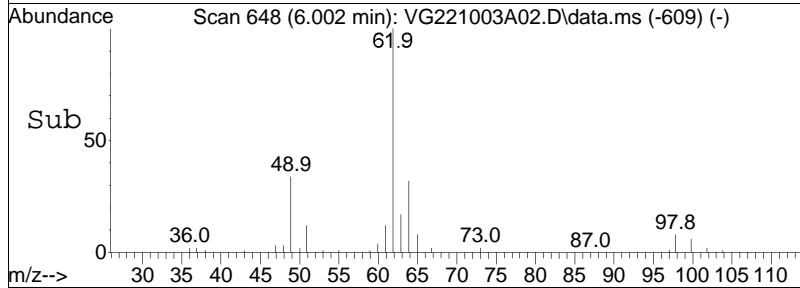
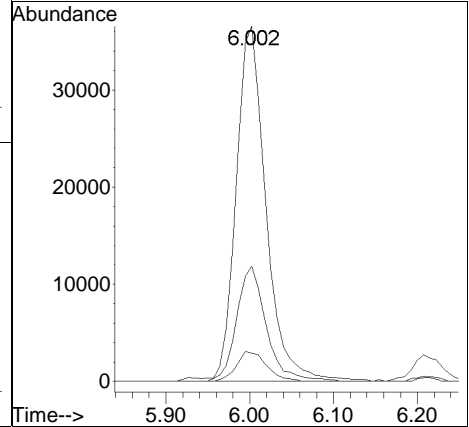
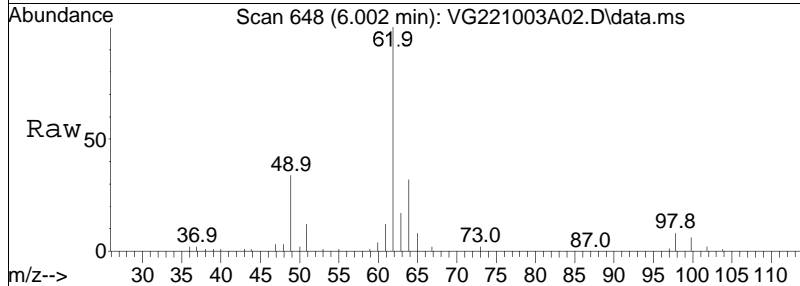
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 78 | 276073 | | |
| 77 | 23.0 | 15.5 | 32.1 |
| 51 | 19.3 | 9.9 | 20.7 |
| 52 | 18.6 | 9.2 | 19.2 |

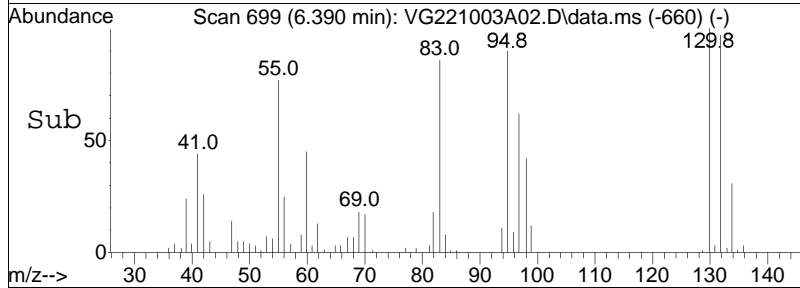
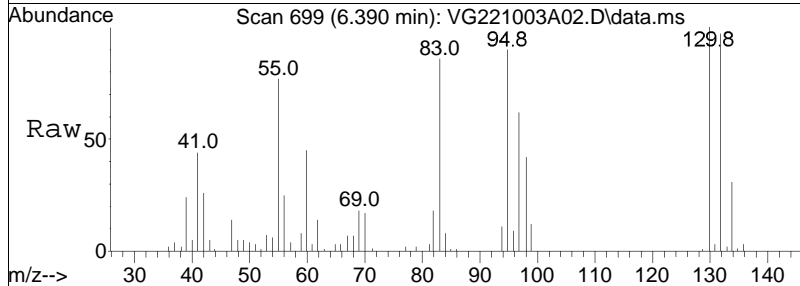
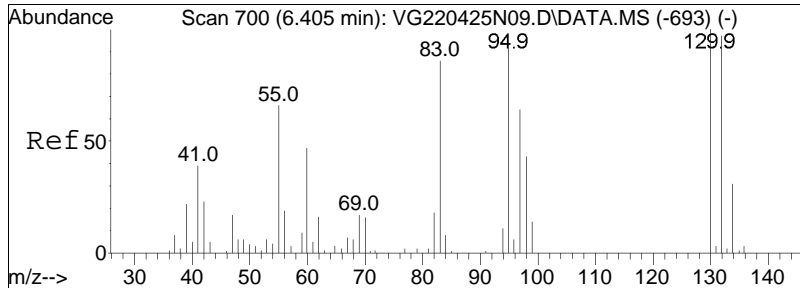




#44
 1,2-Dichloroethane
 Concen: 9.33 ug/L
 RT: 6.002 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

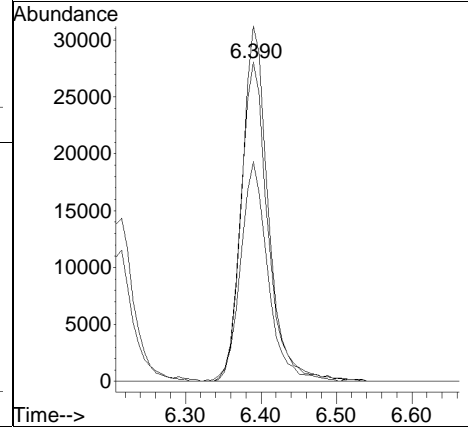
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.4 | 11.9 | 51.9 |
| 98 | 8.6 | 0.0 | 29.3 |

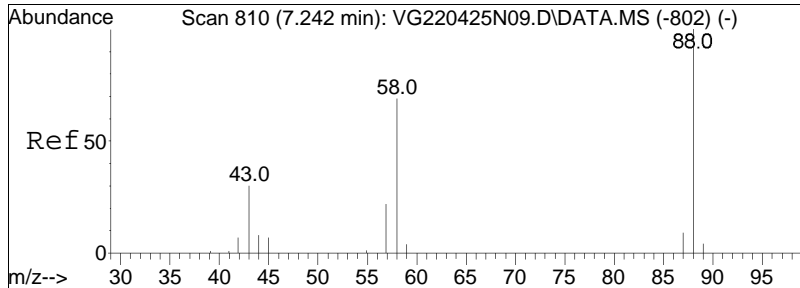




#48
 Trichloroethene
 Concen: 9.82 ug/L
 RT: 6.390 min Scan# 699
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

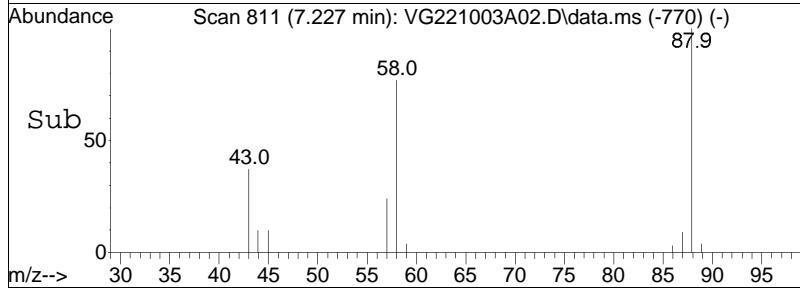
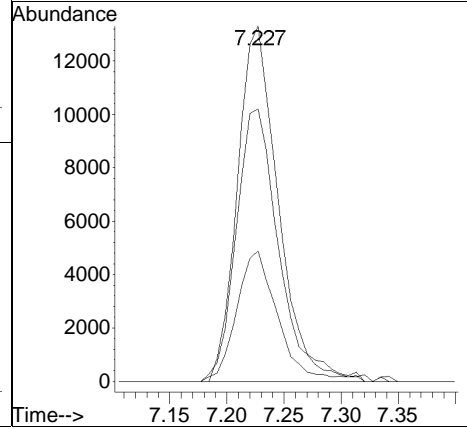
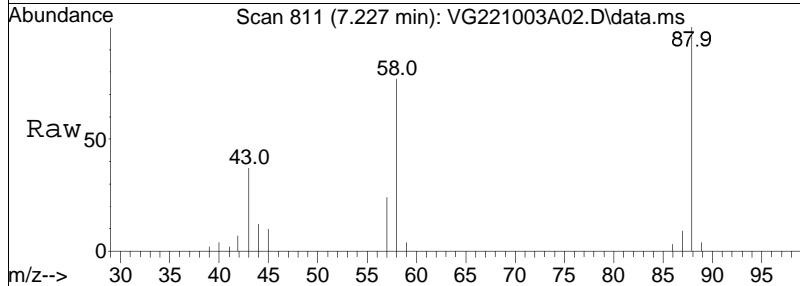
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 70506 | | |
| 95 | 100 | | |
| 97 | 69.1 | 54.0 | 81.0 |
| 130 | 107.6 | 85.0 | 127.4 |

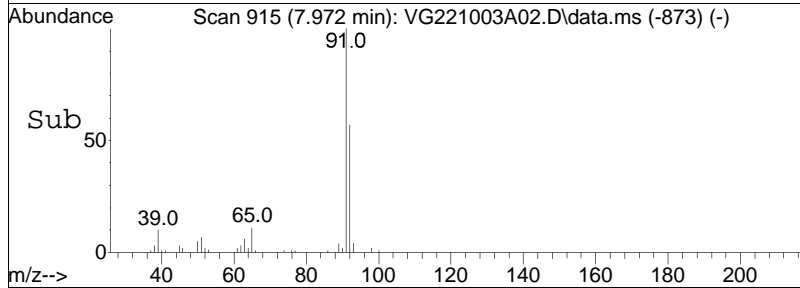
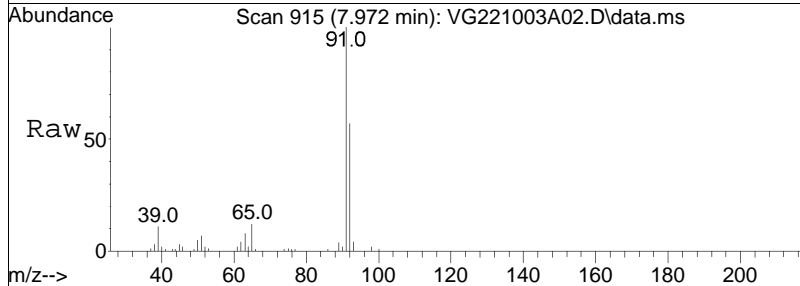
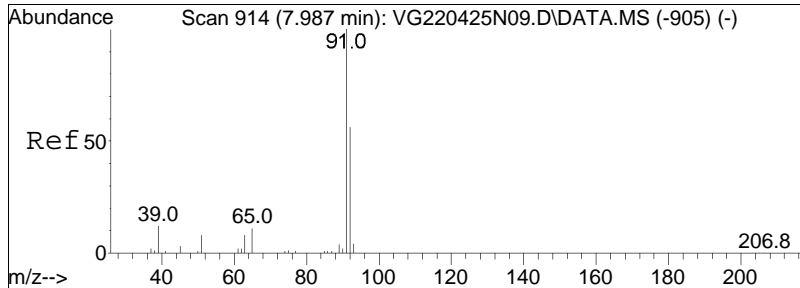




#57
 1,4-Dioxane
 Concen: 377.83 ug/L
 RT: 7.227 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

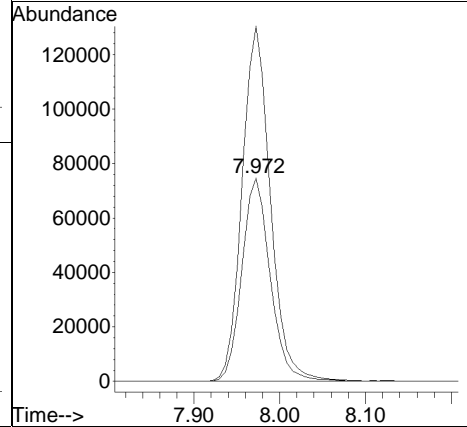
| Tgt Ion: | 88 | Resp: | 33249 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 78.9 | 48.7 | 73.1# |
| 43 | 36.6 | 22.4 | 33.6# |

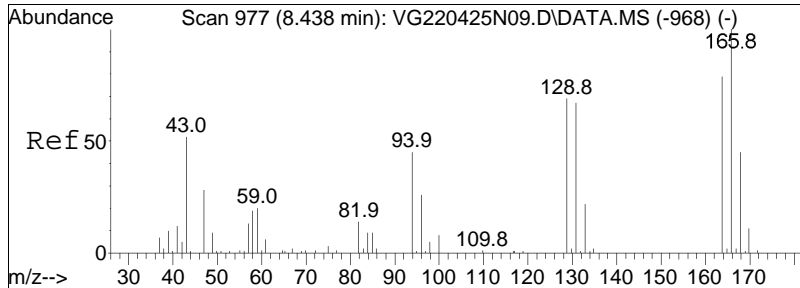




#61
 Toluene
 Concen: 9.93 ug/L
 RT: 7.972 min Scan# 915
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

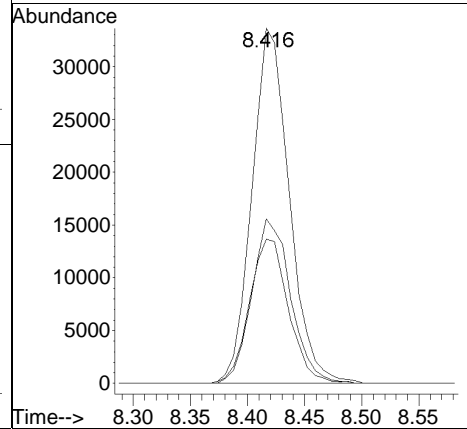
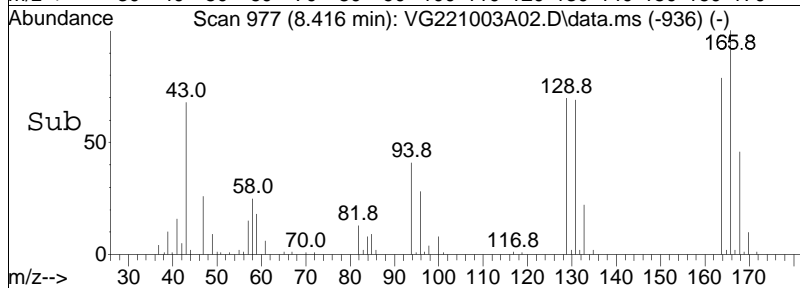
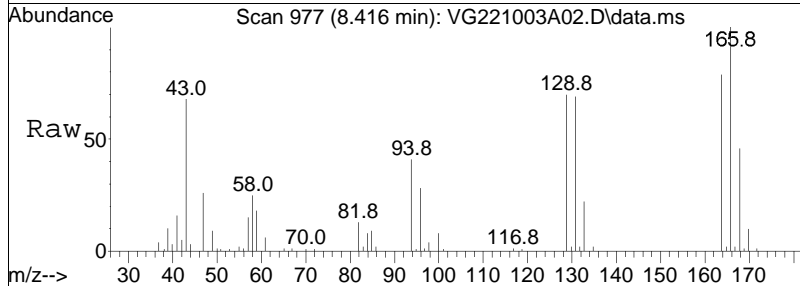
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 92 | 172309 | | |
| 91 | 173.9 | 134.8 | 202.2 |

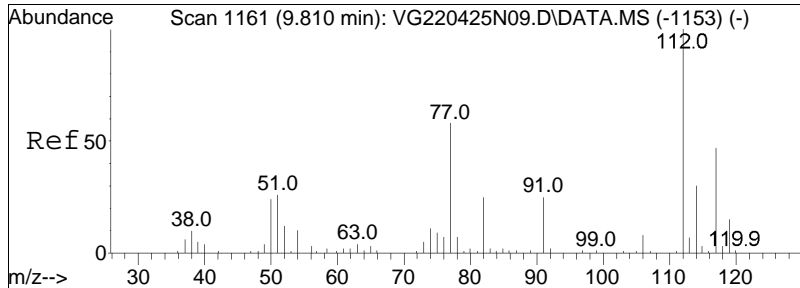




#63
 Tetrachloroethene
 Concen: 10.08 ug/L
 RT: 8.416 min Scan# 977
 Delta R.T. -0.007 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

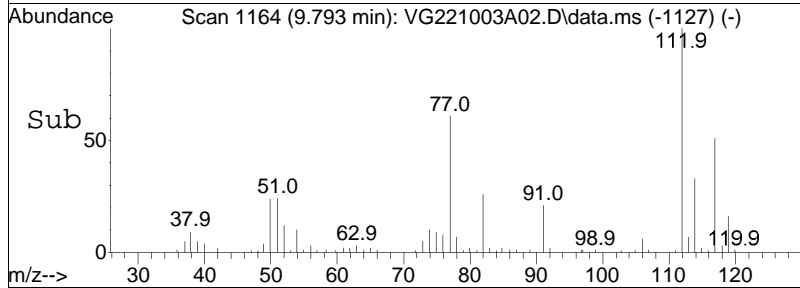
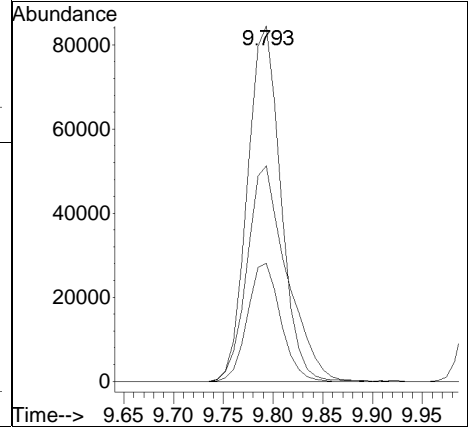
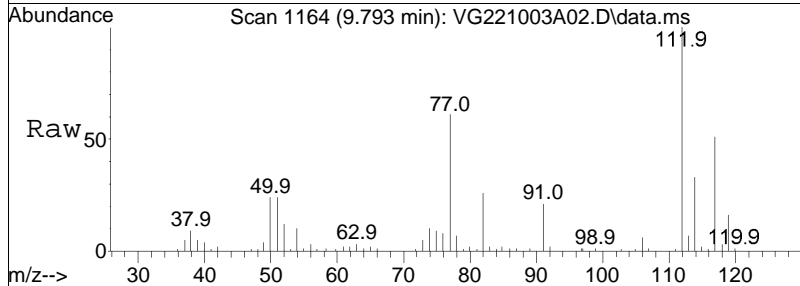
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 48.2 | 27.3 | 67.3 |
| 94 | 42.5 | 20.5 | 60.5 |

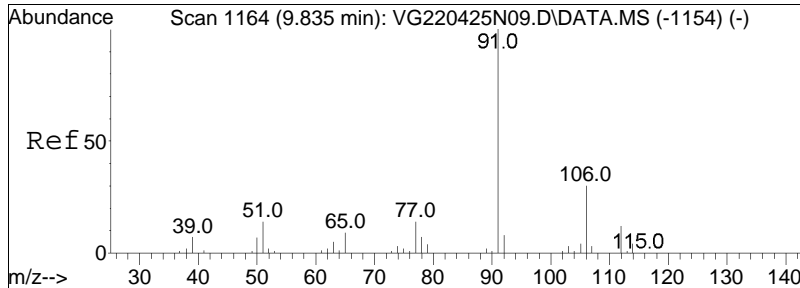




#73
 Chlorobenzene
 Concen: 10.46 ug/L
 RT: 9.793 min Scan# 1164
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

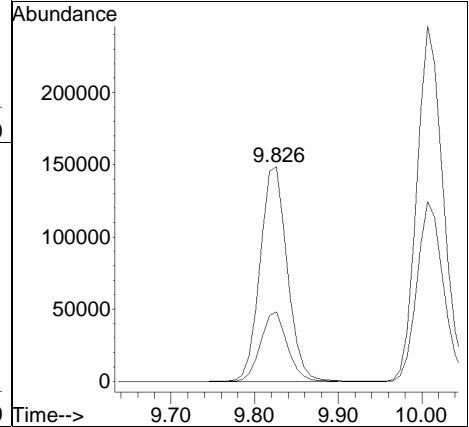
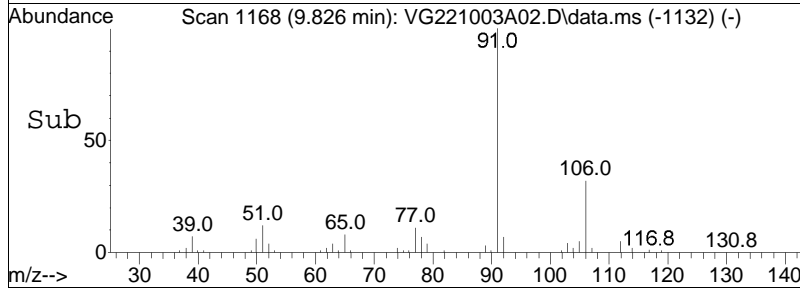
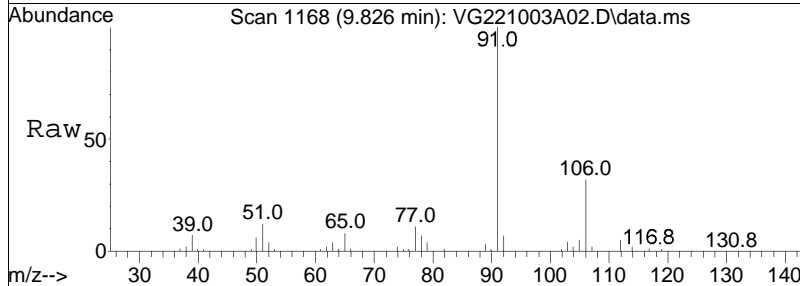
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 77 | 72.7 | 55.9 | 83.9 |
| 114 | 33.2 | 25.4 | 38.0 |

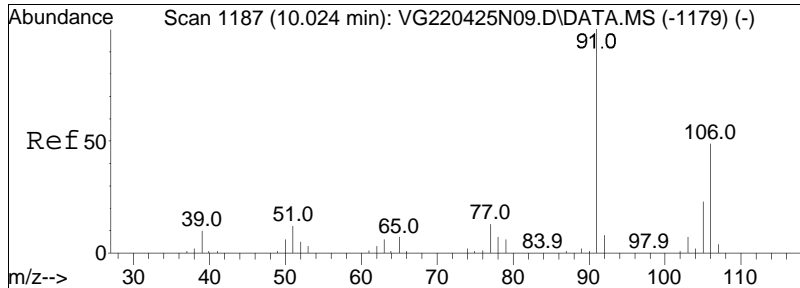




#74
 Ethylbenzene
 Concen: 9.87 ug/L
 RT: 9.826 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

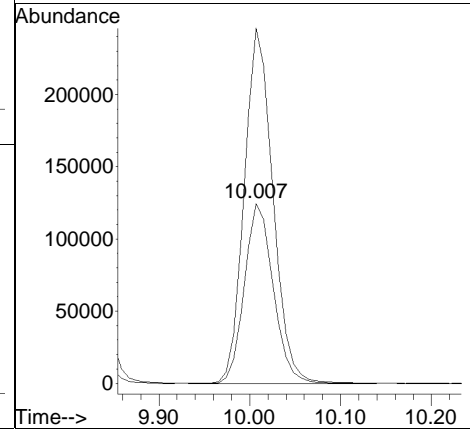
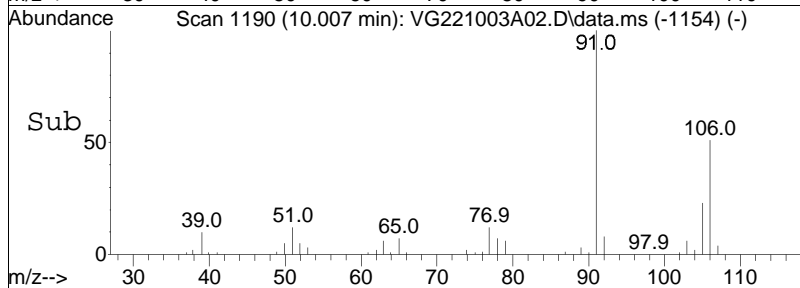
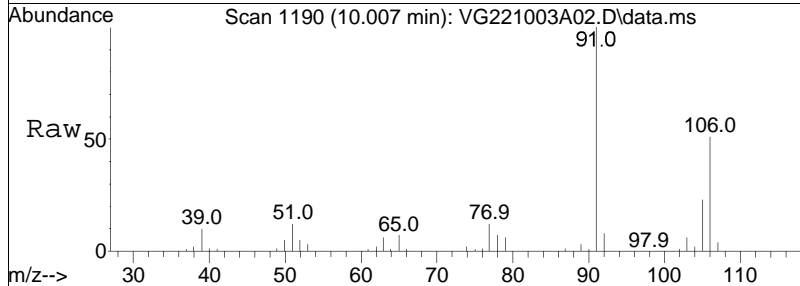
Tgt Ion: 91 Resp: 337076
 Ion Ratio Lower Upper
 91 100
 106 31.6 25.3 37.9

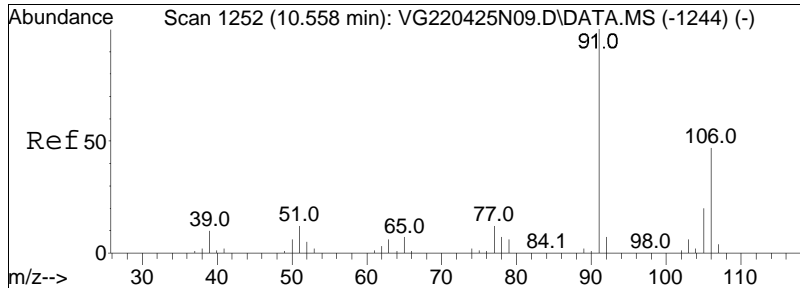




#76
 p/m Xylene
 Concen: 20.98 ug/L
 RT: 10.007 min Scan# 1190
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

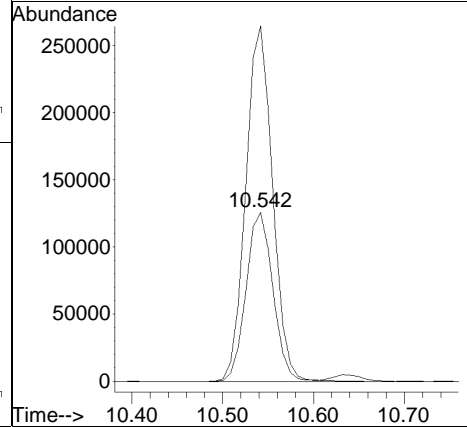
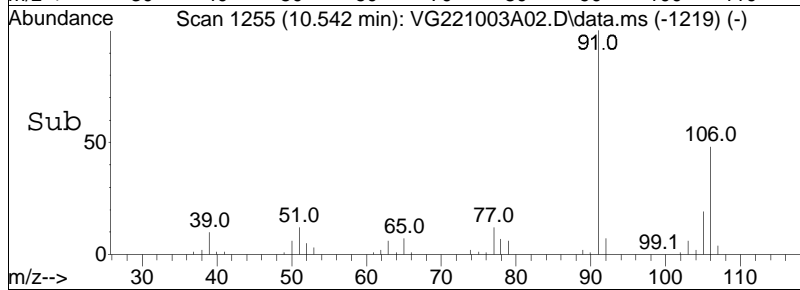
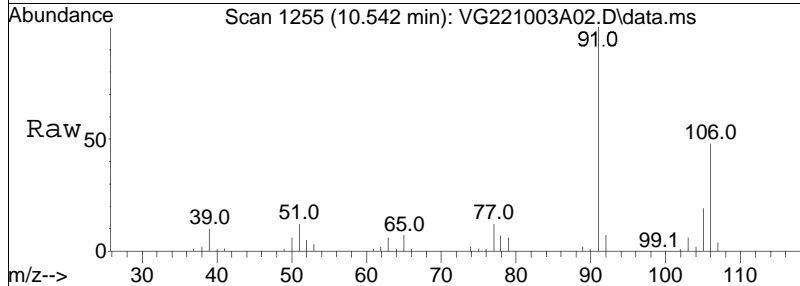
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 196.4 | 157.1 | 235.7 |

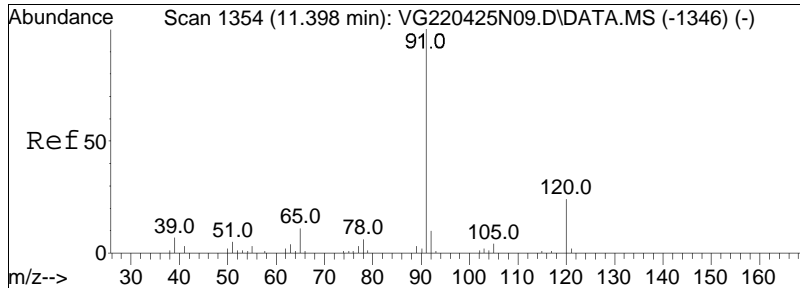




#77
 o Xylene
 Concen: 20.52 ug/L
 RT: 10.542 min Scan# 1255
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

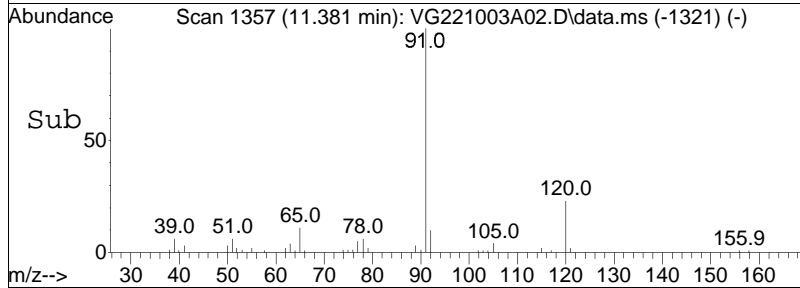
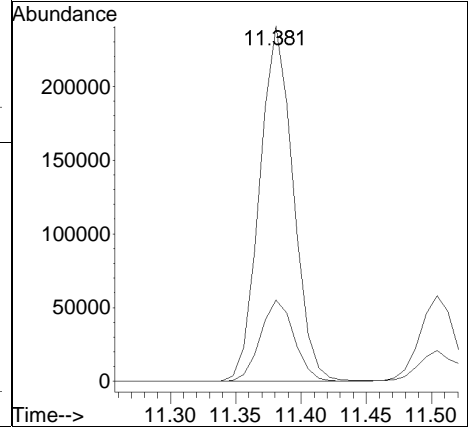
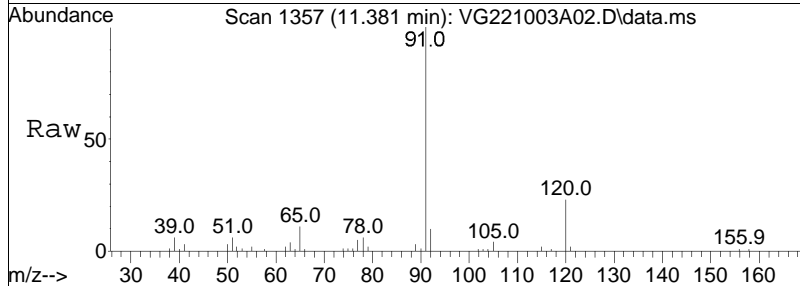
Tgt Ion: 106 Resp: 259706
 Ion Ratio Lower Upper
 106 100
 91 208.2 164.7 247.1

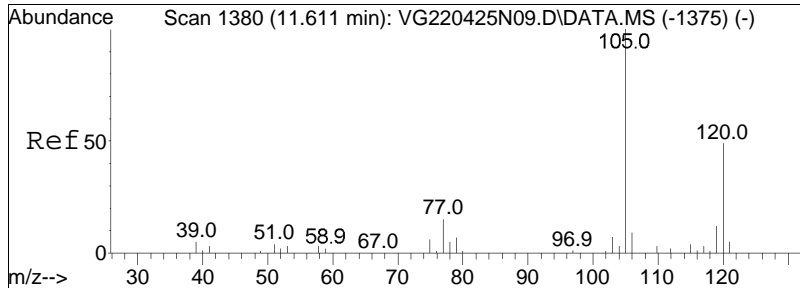




#85
 n-Propylbenzene
 Concen: 10.59 ug/L
 RT: 11.381 min Scan# 1357
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

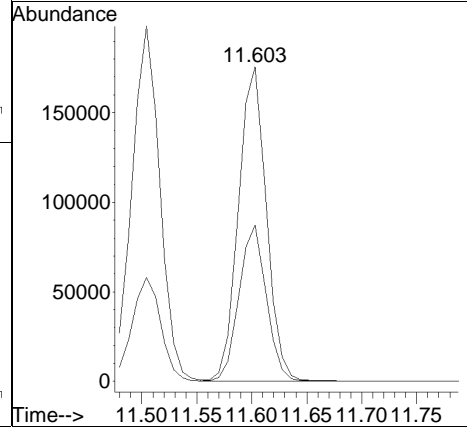
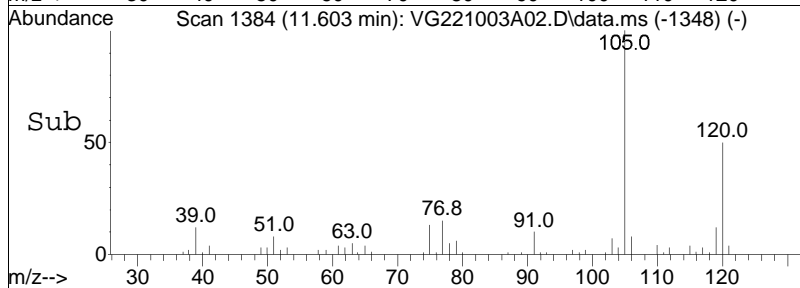
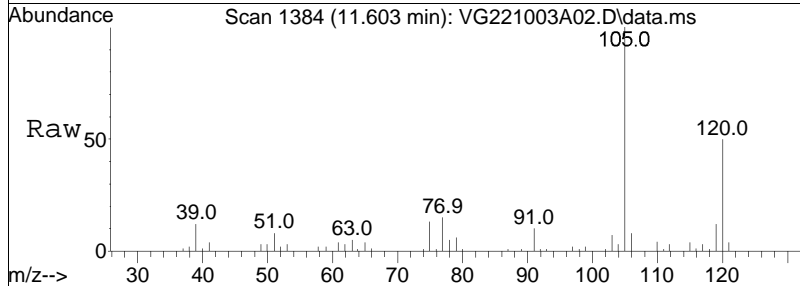
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 120 | 23.0 | 19.0 | 28.6 |

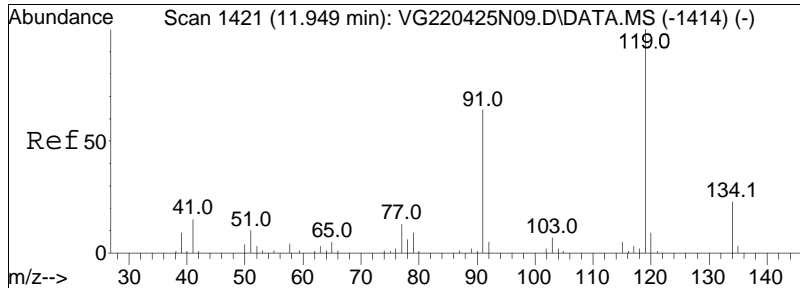




#90
 1,3,5-Trimethylbenzene
 Concen: 10.73 ug/L
 RT: 11.603 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

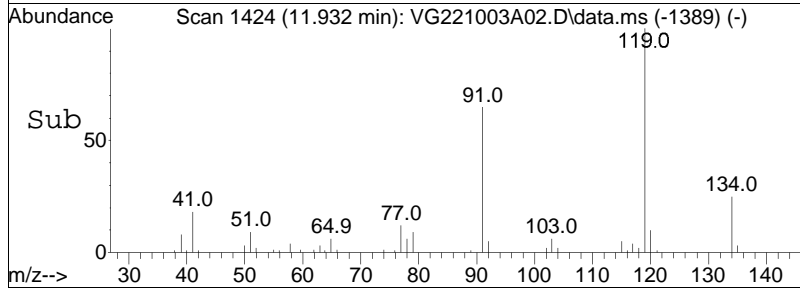
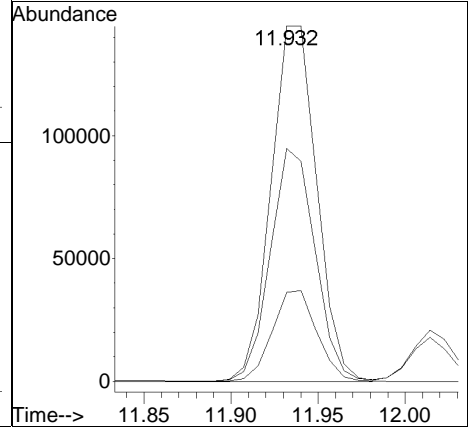
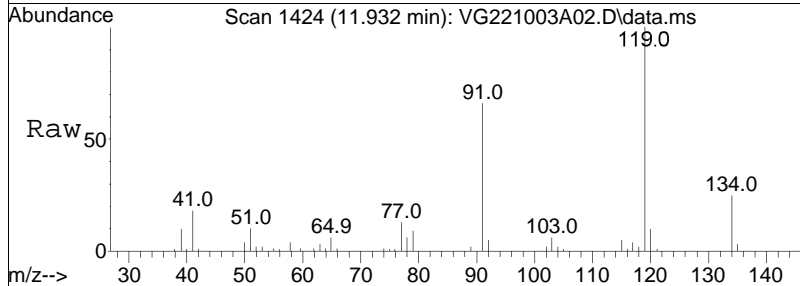
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 48.7 | 40.3 | 60.5 |

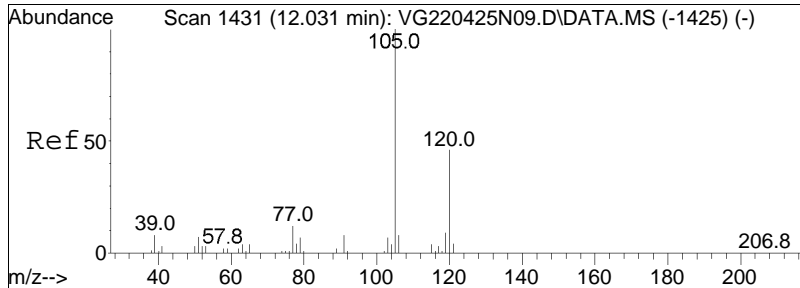




#94
 tert-Butylbenzene
 Concen: 10.77 ug/L
 RT: 11.932 min Scan# 1424
 Delta R.T. -0.009 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

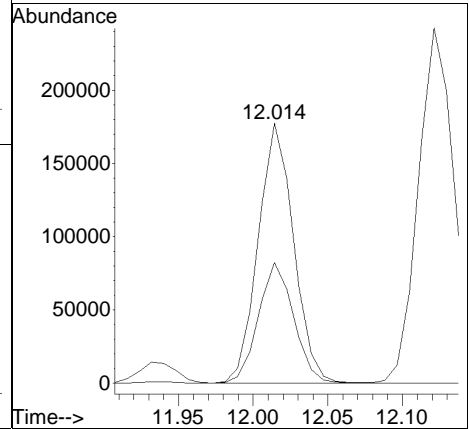
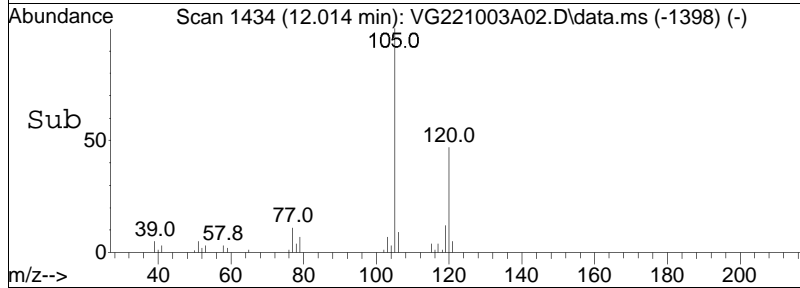
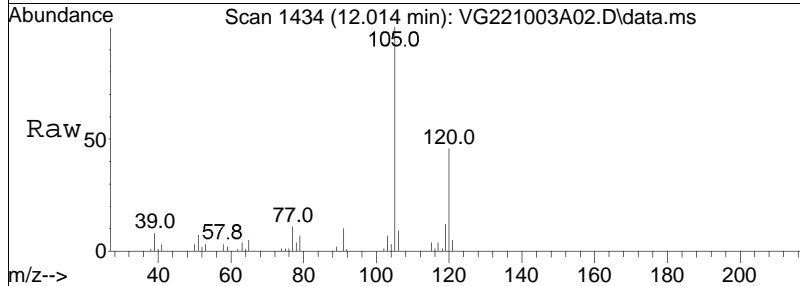
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 119 | 100 | | |
| 91 | 63.9 | 50.8 | 76.2 |
| 134 | 25.0 | 20.2 | 30.4 |

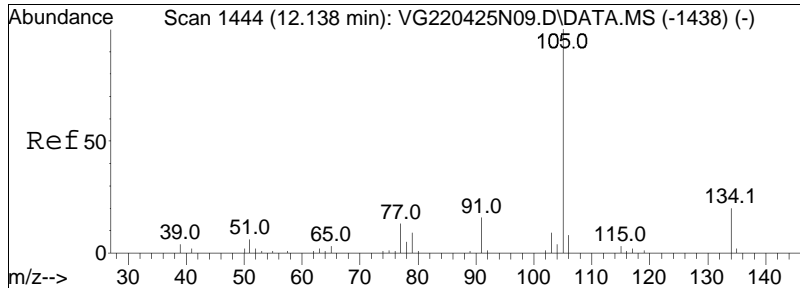




#97
 1,2,4-Trimethylbenzene
 Concen: 10.45 ug/L
 RT: 12.014 min Scan# 1434
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

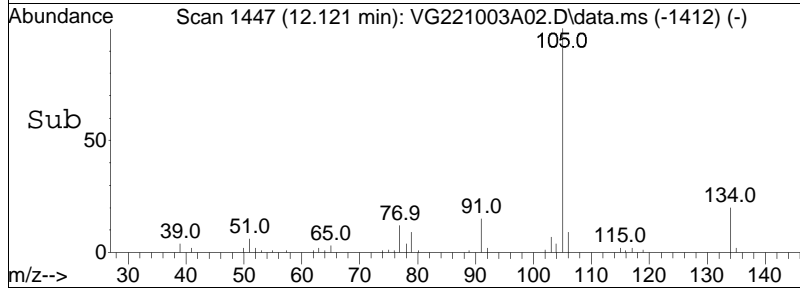
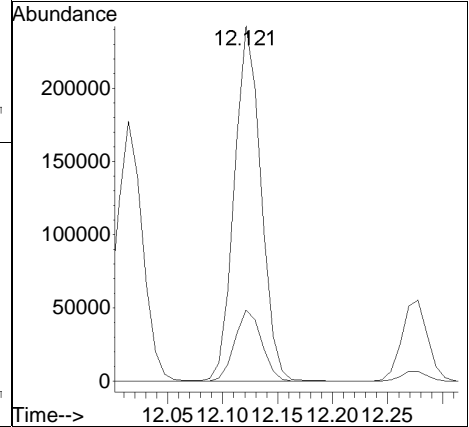
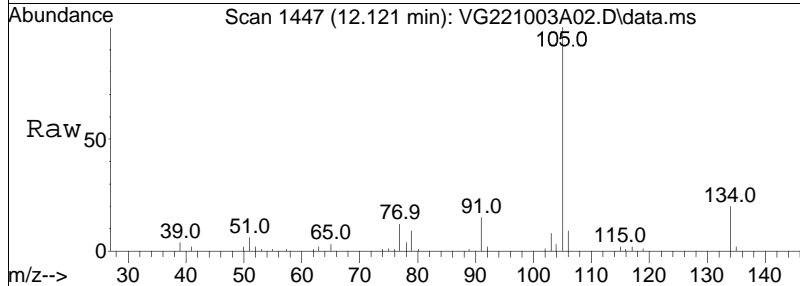
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 46.3 | 37.8 | 56.6 |

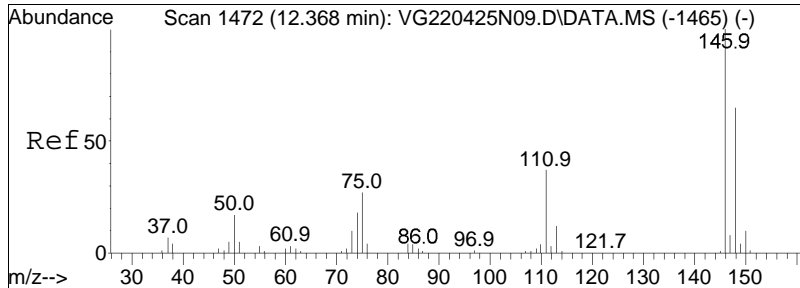




#98
 sec-Butylbenzene
 Concen: 11.28 ug/L
 RT: 12.121 min Scan# 1447
 Delta R.T. -0.009 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

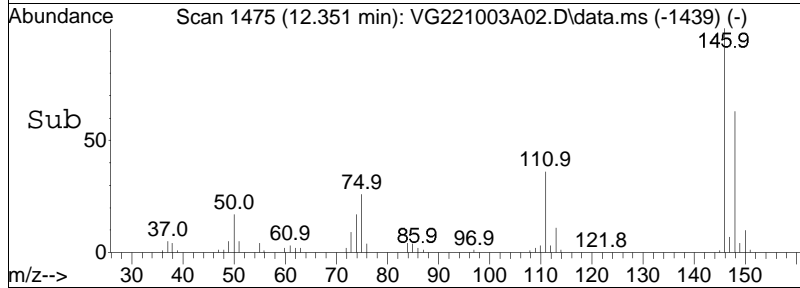
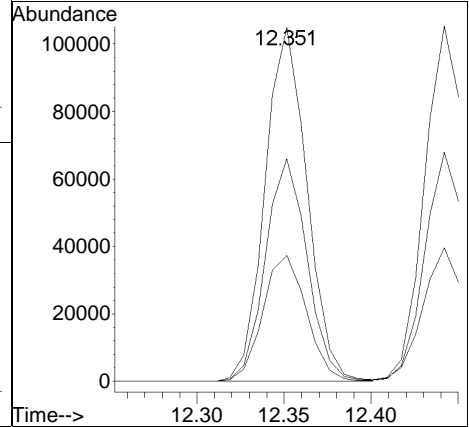
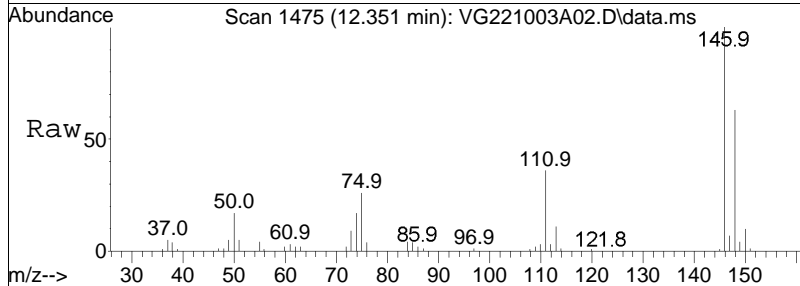
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 20.4 | 13.3 | 27.7 |

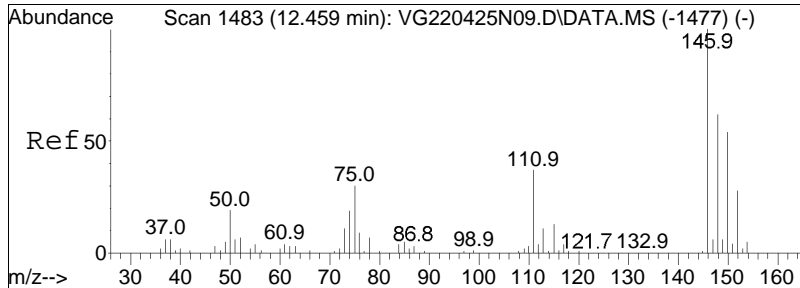




#100
 1,3-Dichlorobenzene
 Concen: 10.96 ug/L
 RT: 12.351 min Scan# 1475
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

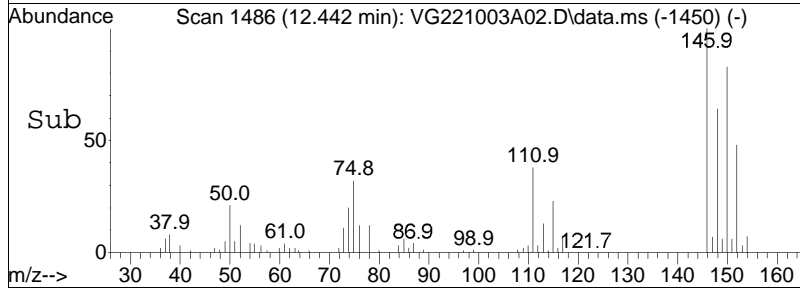
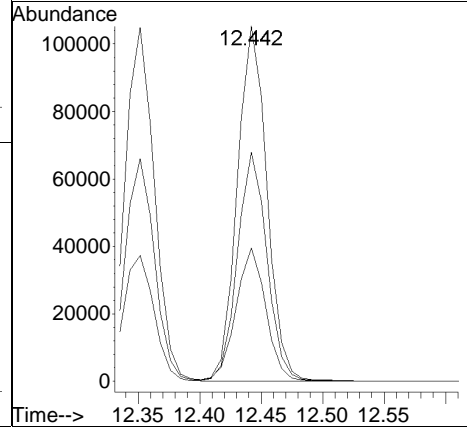
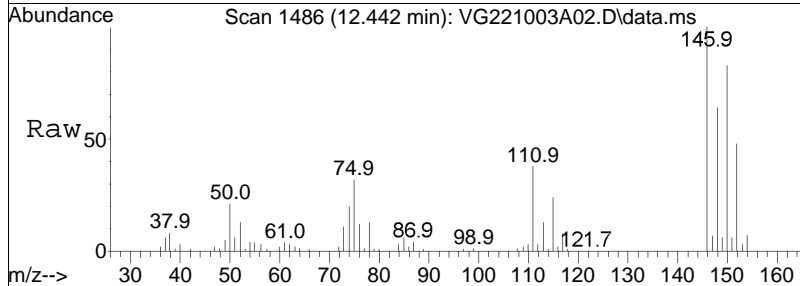
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 37.1 | 24.4 | 50.6 |
| 148 | 62.6 | 41.0 | 85.2 |

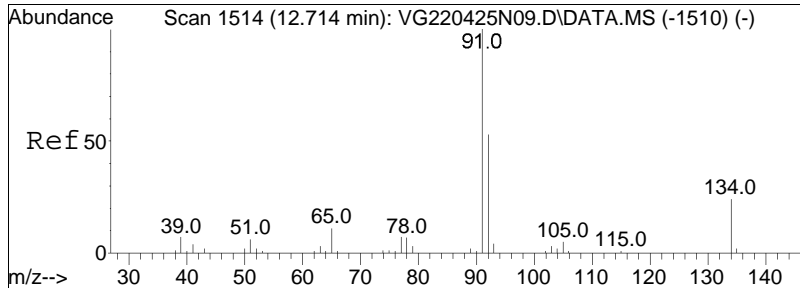




#101
 1,4-Dichlorobenzene
 Concen: 10.89 ug/L
 RT: 12.442 min Scan# 1486
 Delta R.T. -0.000 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

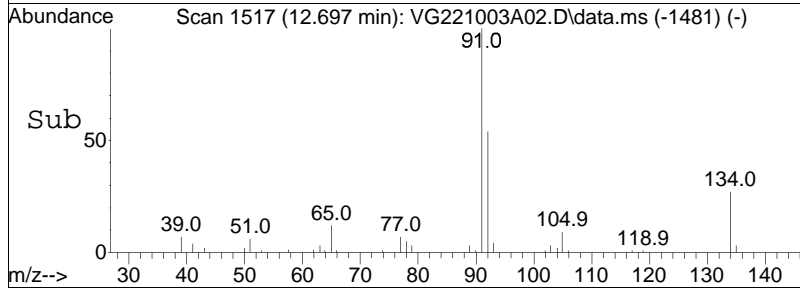
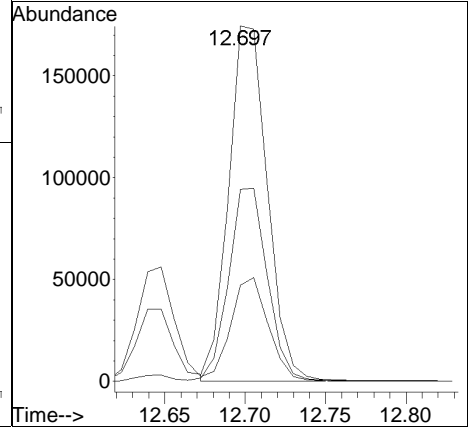
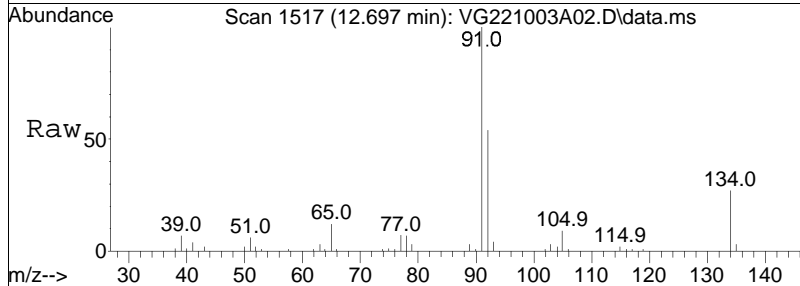
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 38.0 | 29.3 | 43.9 |
| 148 | 64.1 | 51.2 | 76.8 |

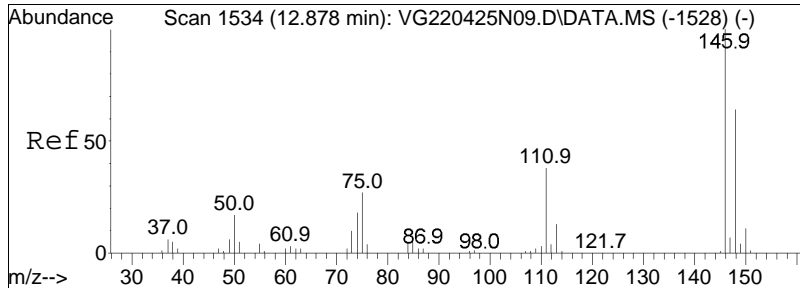




#103
 n-Butylbenzene
 Concen: 11.48 ug/L
 RT: 12.697 min Scan# 1517
 Delta R.T. -0.009 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

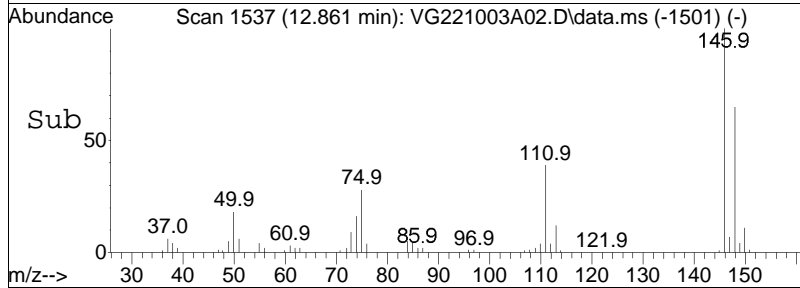
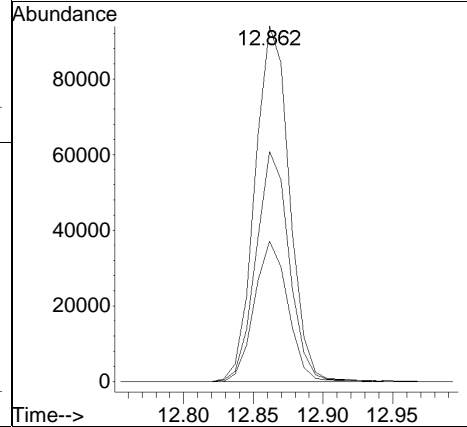
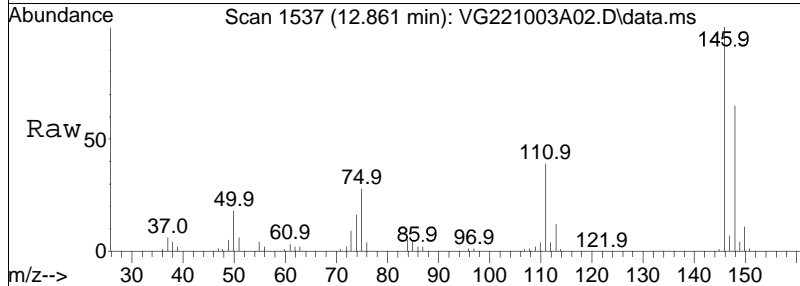
| Tgt Ion: | 91 | Resp: | 291914 |
|-----------|------|-------|--------|
| Ion Ratio | 100 | Lower | Upper |
| 91 | 100 | | |
| 92 | 54.8 | 43.8 | 65.8 |
| 134 | 28.5 | 22.0 | 33.0 |





#104
 1,2-Dichlorobenzene
 Concen: 10.45 ug/L
 RT: 12.861 min Scan# 1537
 Delta R.T. -0.009 min
 Lab File: VG221003A02.D
 Acq: 3 Oct 2022 9:51 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 38.4 | 25.4 | 52.8 |
| 148 | 62.7 | 41.7 | 86.5 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A03.D
 Acq On : 01 Oct 2022 09:53 am
 Operator : VOA130:TMS
 Sample : WG1694829-4,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 13:01:24 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------------|----------------|------|------------|---------|--------|----------|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.478 | 96 | 280284 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 288309 | | | Recovery = | 97.22% | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 219361 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 231257 | | | Recovery = | 94.86% | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 113933 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 116817 | | | Recovery = | 97.53% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.488 | 113 | 75397 | 10.186 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.86% | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 65871 | 8.106 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 81.06% | | |
| 60) Toluene-d8 | 7.191 | 98 | 284311 | 9.978 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.78% | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 106441 | 9.854 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.54% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 71461 | 10.942 | ug/L | 93 |
| 10) 1,1-Dichloroethene | 1.853 | 96 | 60631 | 11.361 | ug/L # | 74 |
| 15) Methylene chloride | 2.341 | 84 | 67034 | 11.204 | ug/L | 76 |
| 17) Acetone | 2.400 | 43 | 10309 | 11.144 | ug/L # | 82 |
| 18) trans-1,2-Dichloroethene | 2.486 | 96 | 60541 | 10.487 | ug/L | 80 |
| 20) Methyl tert-butyl ether | 2.620 | 73 | 76374 | 6.793 | ug/L | 93 |
| 23) 1,1-Dichloroethane | 3.119 | 63 | 128647 | 11.153 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 66221 | 9.986 | ug/L # | 74 |
| 32) Chloroform | 4.240 | 83 | 116339 | 10.286 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.368 | 117 | 79301 | 9.870 | ug/L | 99 |
| 37) 1,1,1-Trichloroethane | 4.466 | 97 | 86037 | 9.154 | ug/L | 98 |
| 39) 2-Butanone | 4.675 | 43 | 13354M1 | 9.440 | ug/L | |
| 41) Benzene | 4.951 | 78 | 254482 | 10.711 | ug/L | 90 |
| 44) 1,2-Dichloroethane | 5.211 | 62 | 68268 | 8.201 | ug/L | 97 |
| 48) Trichloroethene | 5.674 | 95 | 62390 | 10.091 | ug/L | 99 |
| 57) 1,4-Dioxane | 6.583 | 88 | 11464 | 552.227 | ug/L # | 71 |
| 61) Toluene | 7.238 | 92 | 169013 | 10.612 | ug/L | 98 |
| 63) Tetrachloroethene | 7.595 | 166 | 66874 | 9.912 | ug/L | 94 |
| 73) Chlorobenzene | 8.504 | 112 | 189099 | 10.753 | ug/L | 92 |
| 74) Ethylbenzene | 8.546 | 91 | 324727 | 10.471 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A03.D
 Acq On : 01 Oct 2022 09:53 am
 Operator : VOA130:TMS
 Sample : WG1694829-4,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 13:01:24 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 8.655 | 106 | 255878 | 22.182 | ug/L | 98 |
| 77) o Xylene | 8.936 | 106 | 247726 | 21.995 | ug/L | 92 |
| 85) n-Propylbenzene | 9.408 | 91 | 410504 | 11.163 | ug/L | 99 |
| 90) 1,3,5-Trimethylbenzene | 9.533 | 105 | 253622 | 9.752 | ug/L | 92 |
| 94) tert-Butylbenzene | 9.717 | 119 | 239639 | 10.678 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 240959 | 9.421 | ug/L | 96 |
| 98) sec-Butylbenzene | 9.823 | 105 | 370467 | 11.020 | ug/L | 100 |
| 100) 1,3-Dichlorobenzene | 9.937 | 146 | 153949 | 10.605 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.990 | 146 | 152577 | 10.453 | ug/L | 99 |
| 103) n-Butylbenzene | 10.152 | 91 | 283507 | 10.609 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.230 | 146 | 138708 | 10.193 | ug/L | 98 |

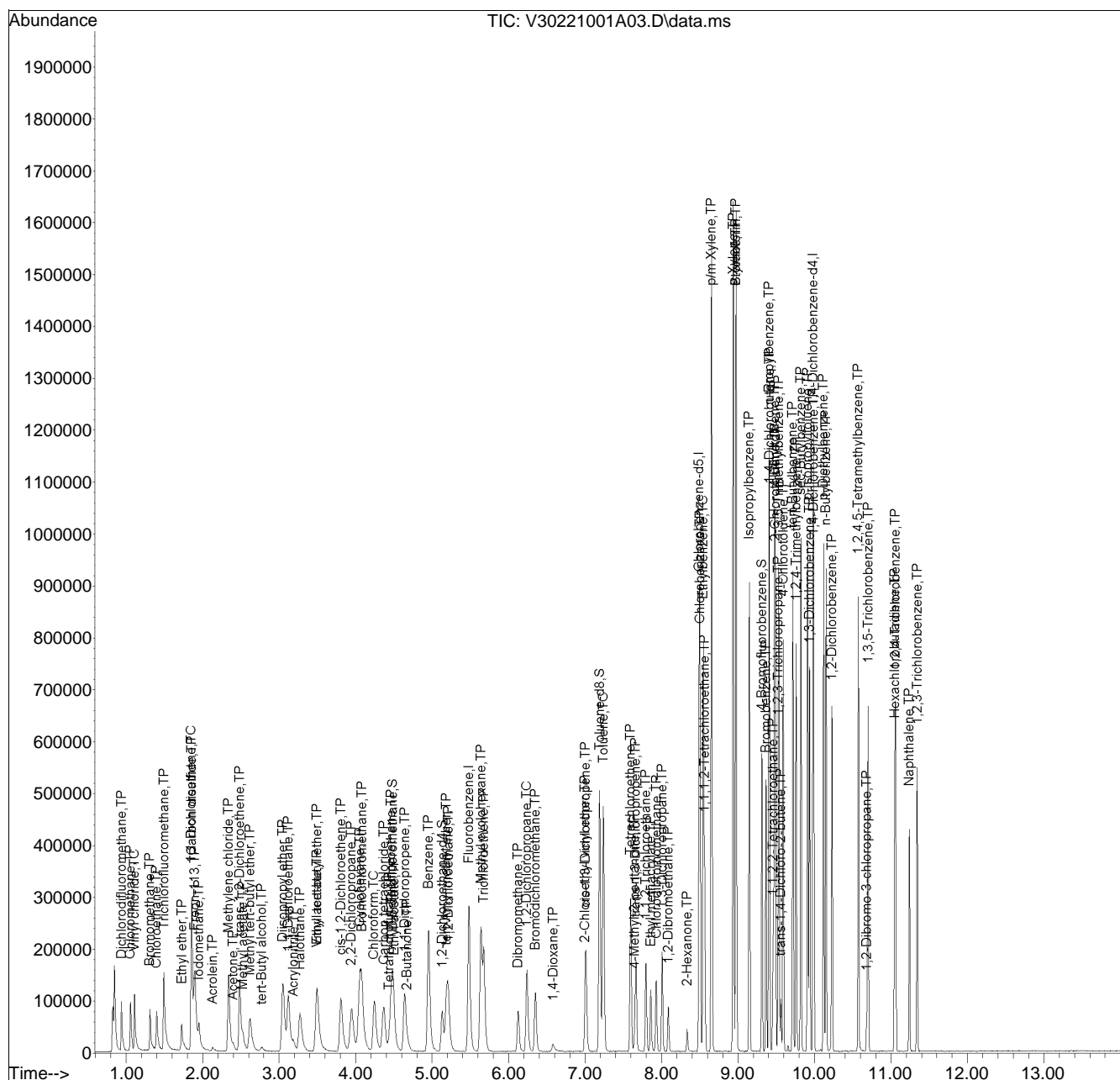
(#) = qualifier out of range (m) = manual integration (+) = signals summed

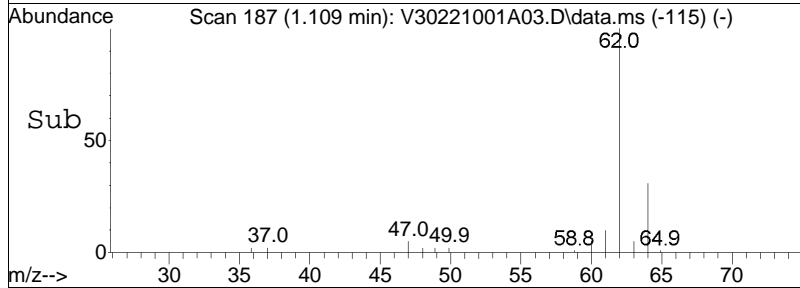
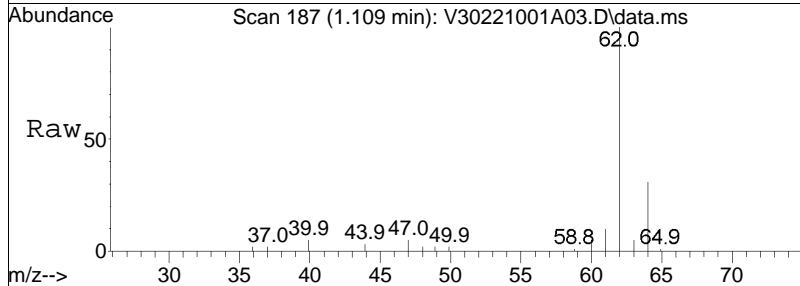
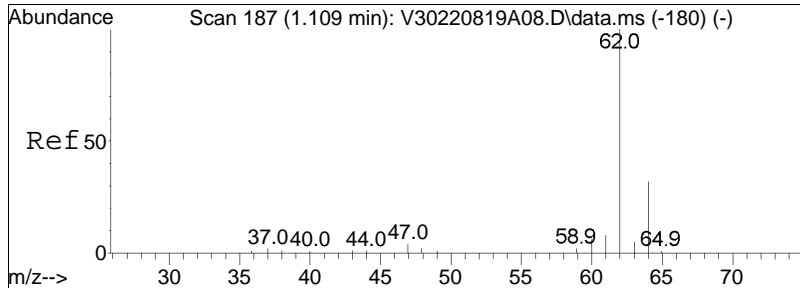
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A03.D
 Acq On : 01 Oct 2022 09:53 am
 Operator : VOA130:TMS
 Sample : WG1694829-4,31,10,10
 Misc : WG1694829,ICAL19274
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 01 13:01:24 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

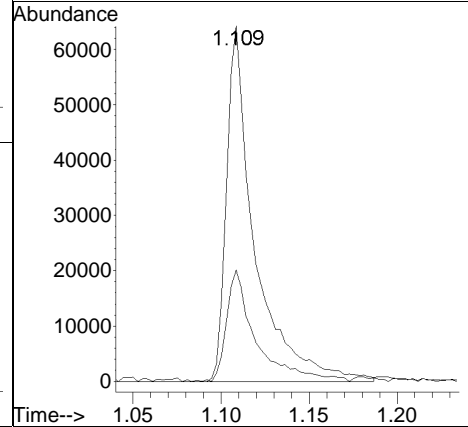
Sub List : 8260-Curve - Megamix plus Diox21001A\V30221001A02.D•

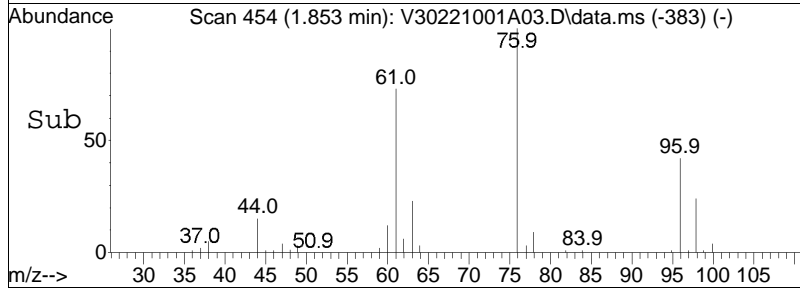
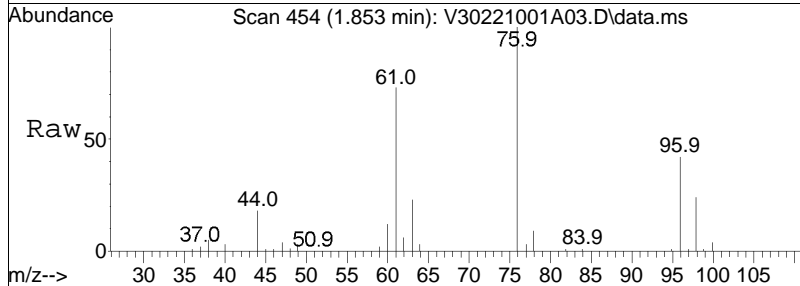
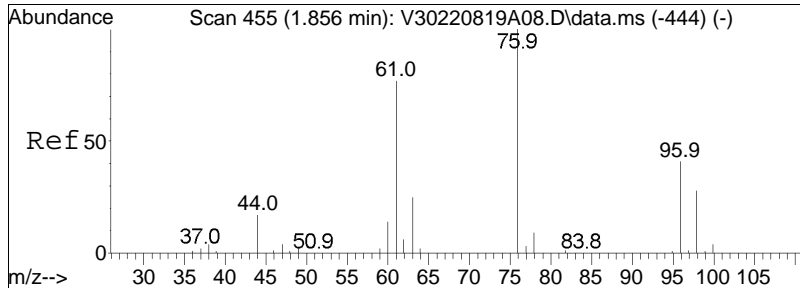




#4
 Vinyl chloride
 Concen: 10.94 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

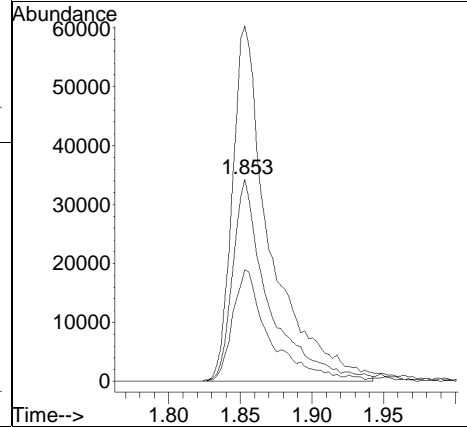
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 32.6 | 9.1 | 49.1 |

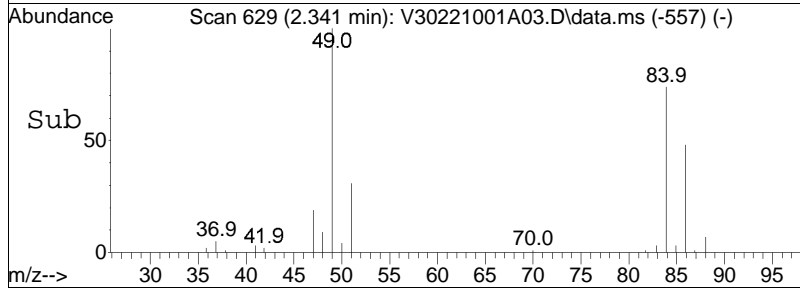
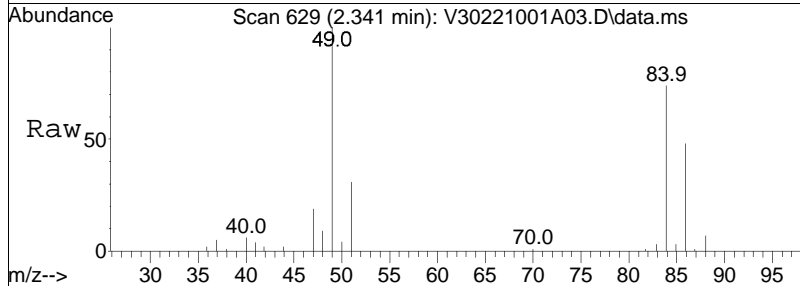
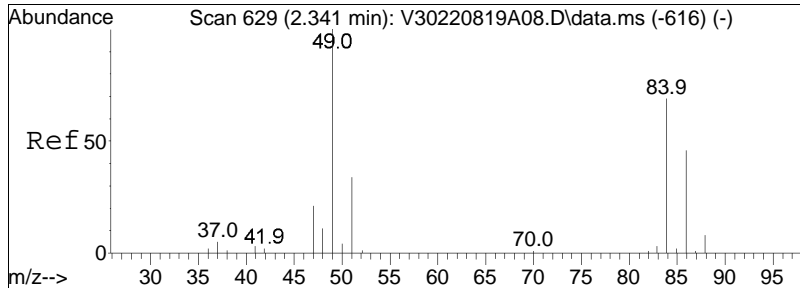




#10
 1,1-Dichloroethene
 Concen: 11.36 ug/L
 RT: 1.853 min Scan# 454
 Delta R.T. -0.003 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

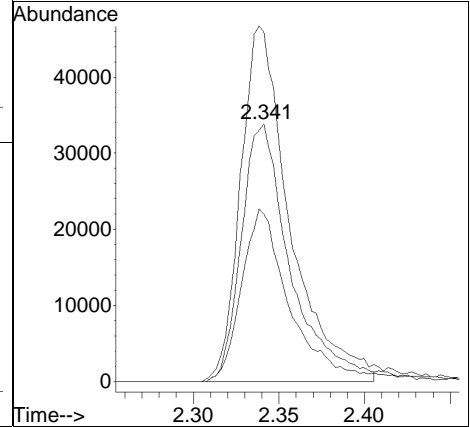
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 60631 | | |
| 96 | 100 | | |
| 61 | 186.1 | 186.1 | 279.1 |
| 63 | 56.2 | 57.6 | 86.4# |

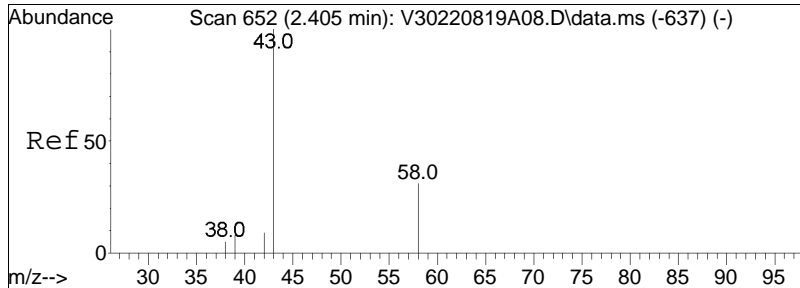




#15
 Methylene chloride
 Concen: 11.20 ug/L
 RT: 2.341 min Scan# 629
 Delta R.T. 0.000 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

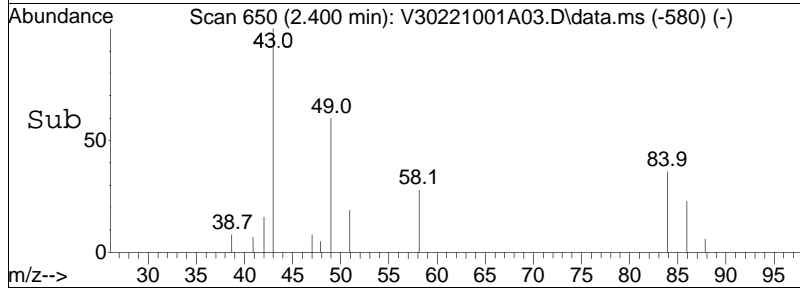
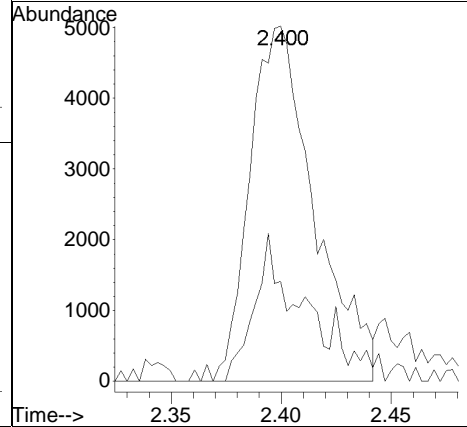
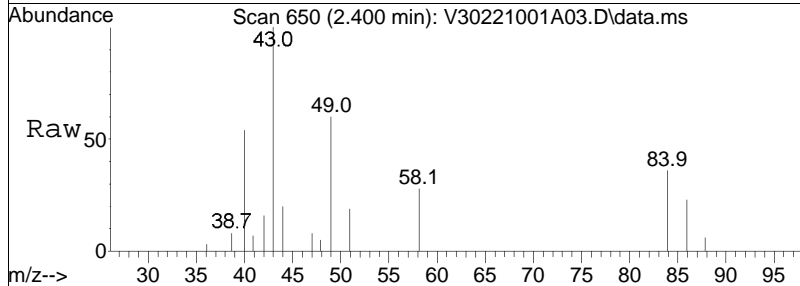
| Tgt Ion: | 84 | Resp: | 67034 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 66.7 | 40.4 | 83.8 |
| 49 | 142.1 | 120.0 | 249.2 |

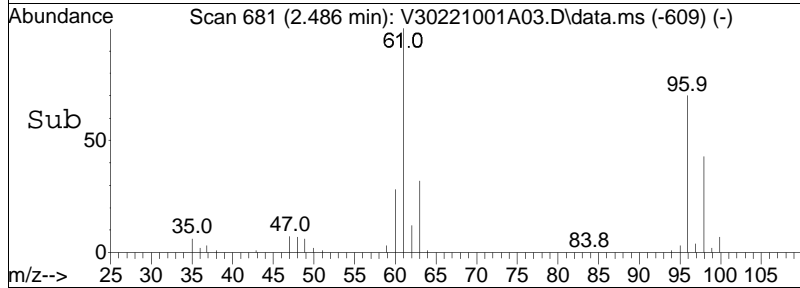
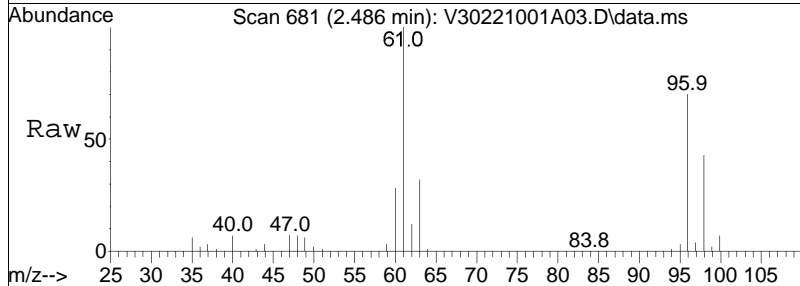
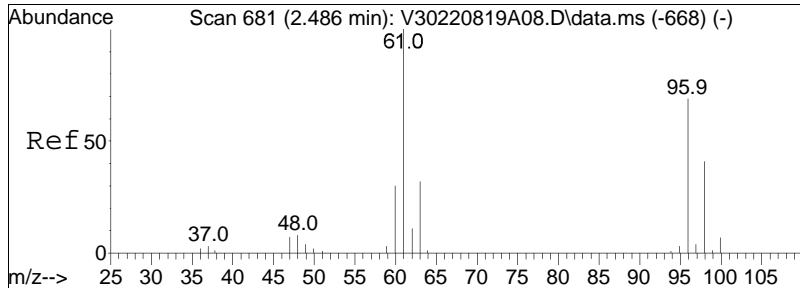




#17
 Acetone
 Concen: 11.14 ug/L
 RT: 2.400 min Scan# 650
 Delta R.T. -0.005 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

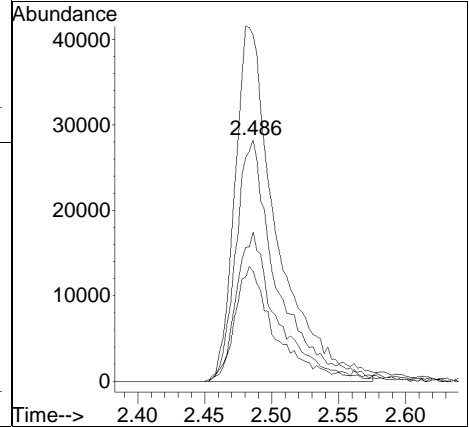
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 43 | 10309 | | |
| 58 | 20.4 | 24.2 | 36.4# |

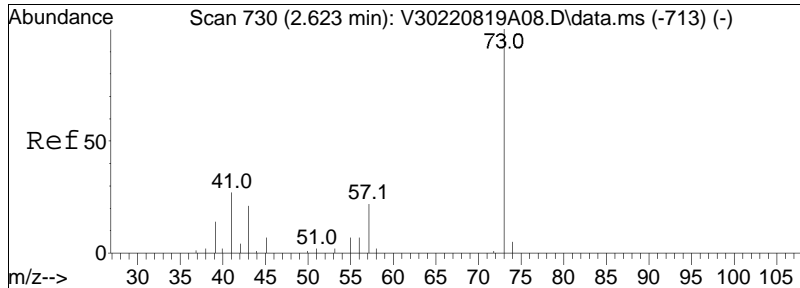




#18
 trans-1,2-Dichloroethene
 Concen: 10.49 ug/L
 RT: 2.486 min Scan# 681
 Delta R.T. 0.000 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

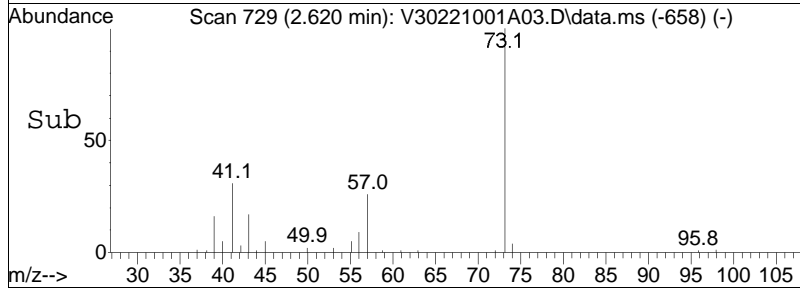
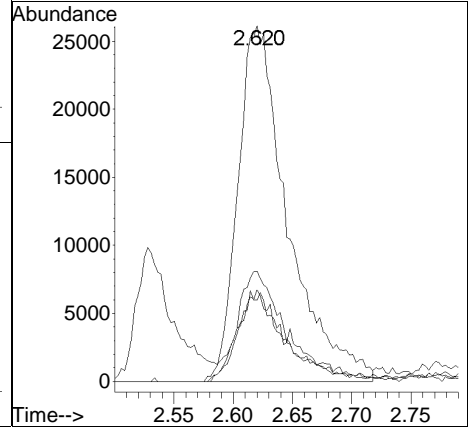
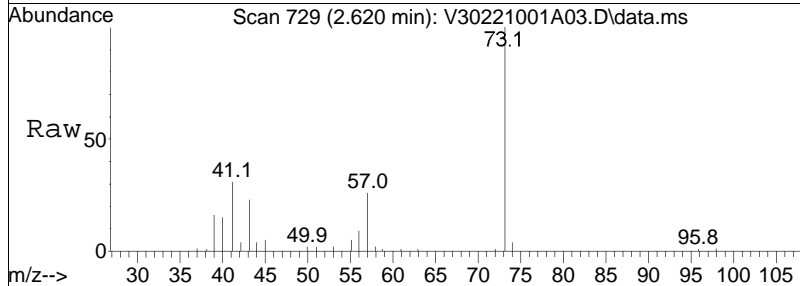
| Tgt Ion: | 96 | Resp: | 60541 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 149.6 | 124.0 | 257.6 |
| 98 | 61.7 | 41.2 | 85.6 |
| 63 | 47.5 | 38.4 | 79.7 |

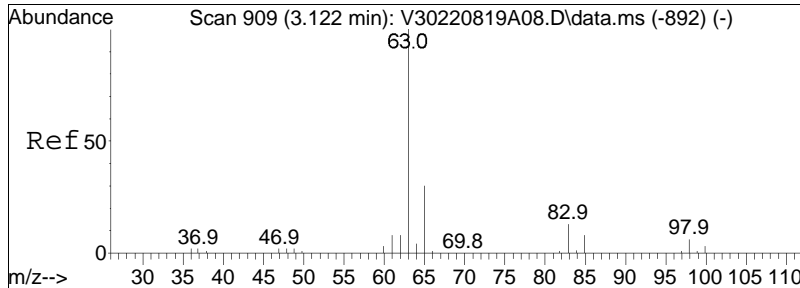




#20
 Methyl tert-butyl ether
 Concen: 6.79 ug/L
 RT: 2.620 min Scan# 729
 Delta R.T. -0.003 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

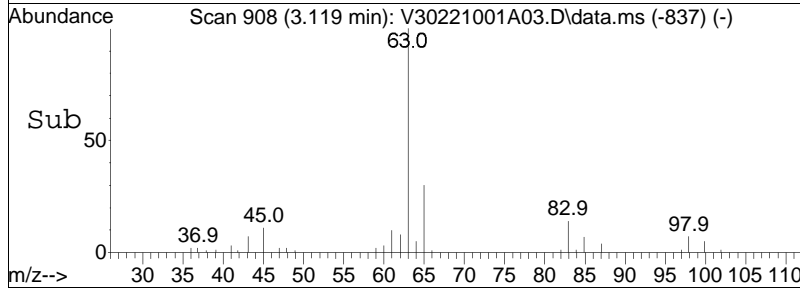
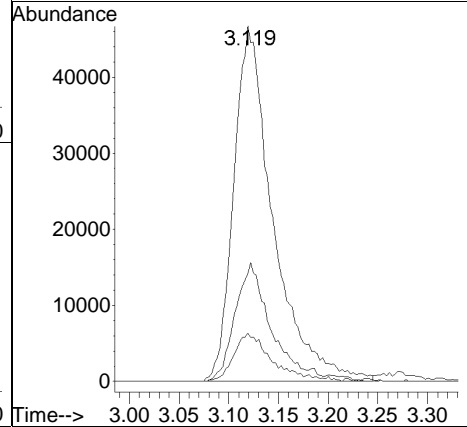
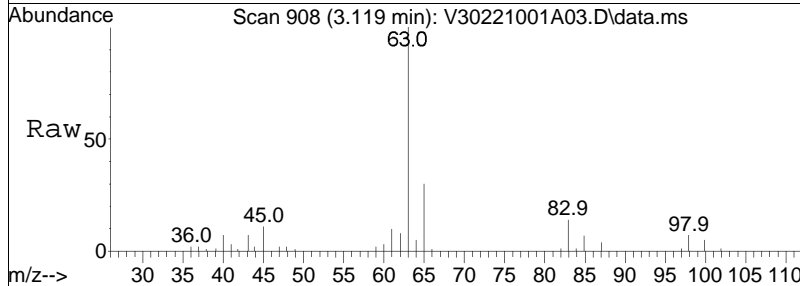
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 23.8 | 17.5 | 36.3 |
| 43 | 20.6 | 15.3 | 31.9 |
| 41 | 28.6 | 15.3 | 31.7 |

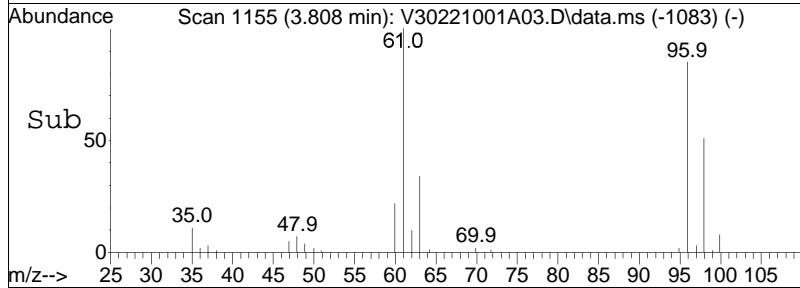
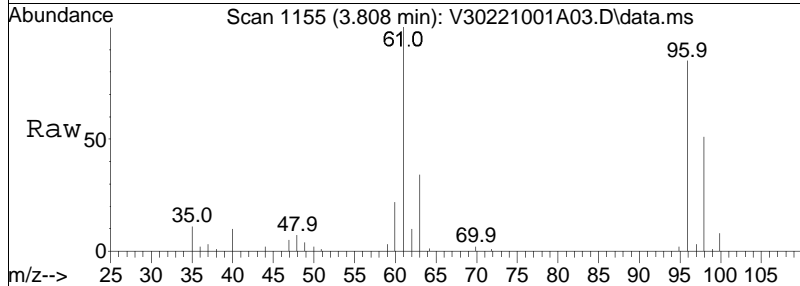
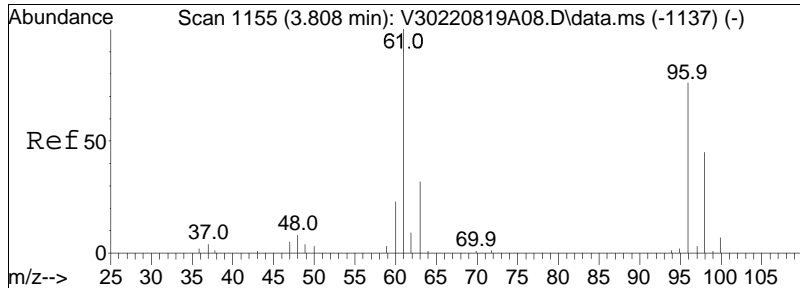




#23
 1,1-Dichloroethane
 Concen: 11.15 ug/L
 RT: 3.119 min Scan# 908
 Delta R.T. -0.003 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

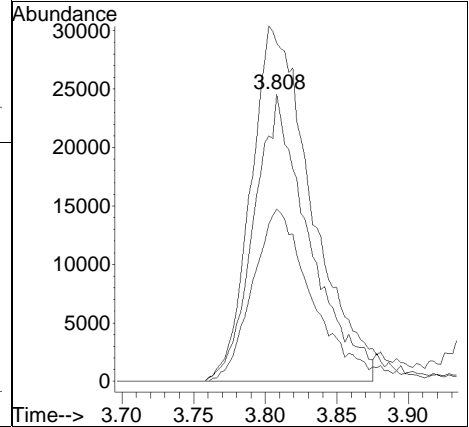
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 63 | 128647 | | |
| 65 | 29.8 | 11.0 | 51.0 |
| 83 | 13.0 | 0.0 | 31.8 |

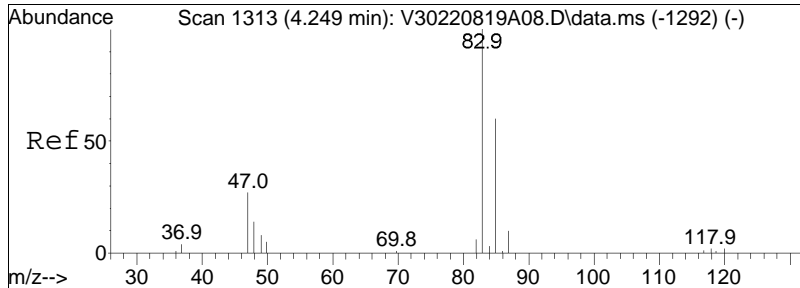




#28
 cis-1,2-Dichloroethene
 Concen: 9.99 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. -0.000 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

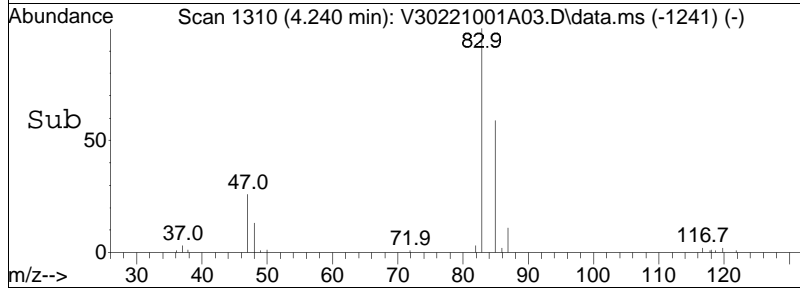
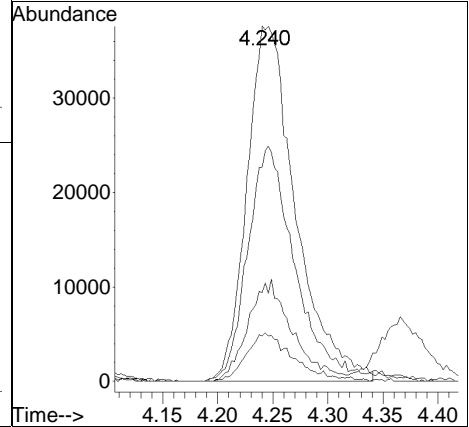
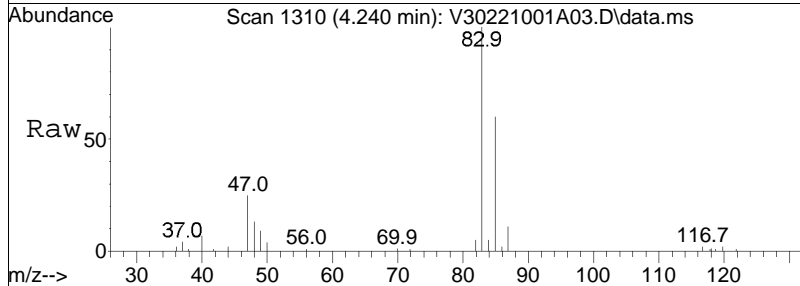
| Tgt Ion: | 96 | Resp: | 66221 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 138.2 | 149.4 | 224.2# |
| 98 | 64.3 | 53.4 | 80.2 |

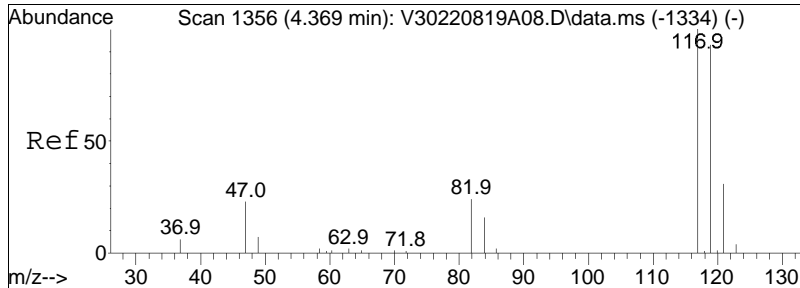




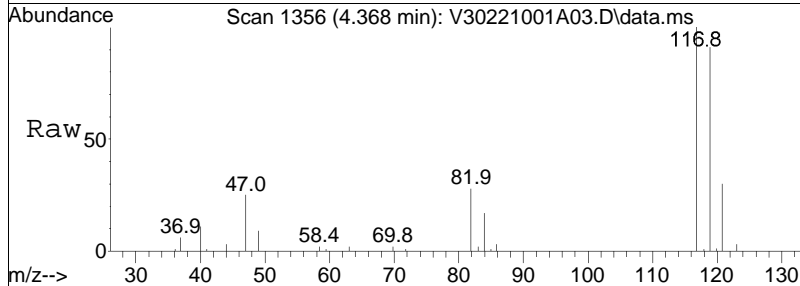
#32
 Chloroform
 Concen: 10.29 ug/L
 RT: 4.240 min Scan# 1310
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 116339 | | |
| 83 | 100 | | |
| 85 | 63.5 | 41.5 | 86.1 |
| 47 | 26.1 | 19.0 | 39.4 |
| 48 | 12.9 | 9.9 | 20.5 |

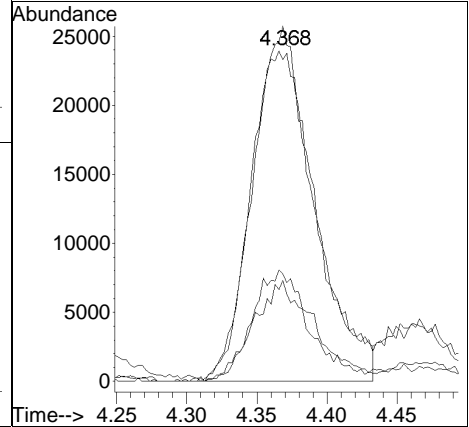
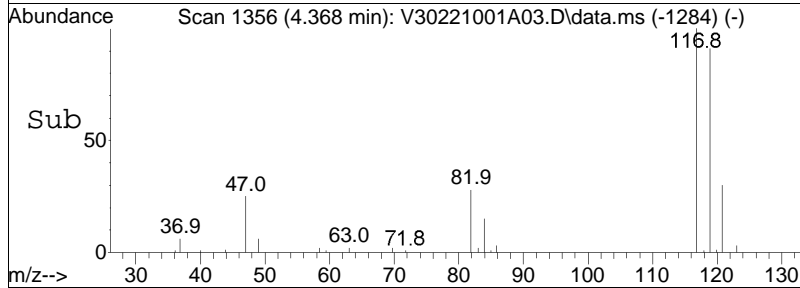


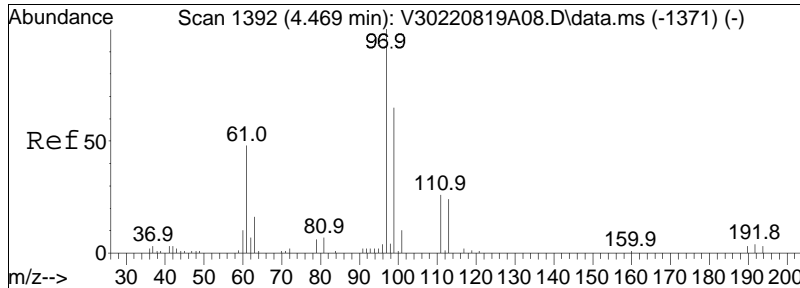


#34
 Carbon tetrachloride
 Concen: 9.87 ug/L
 RT: 4.368 min Scan# 1356
 Delta R.T. -0.001 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am



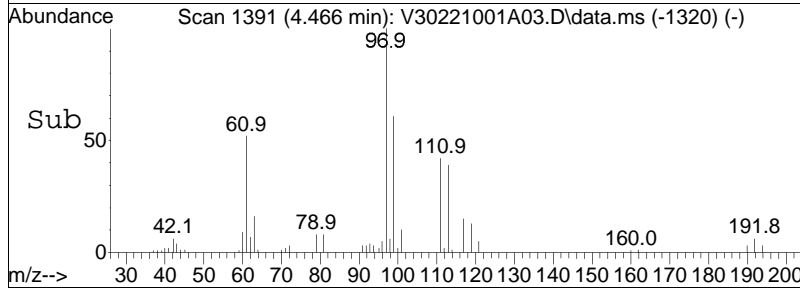
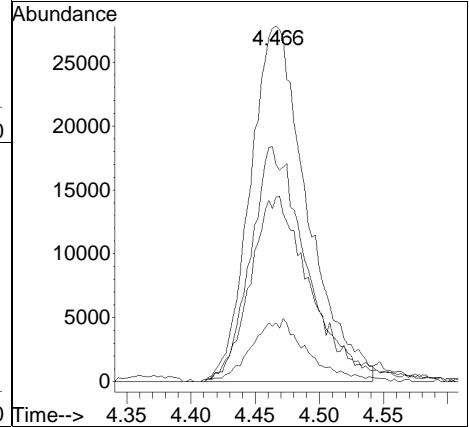
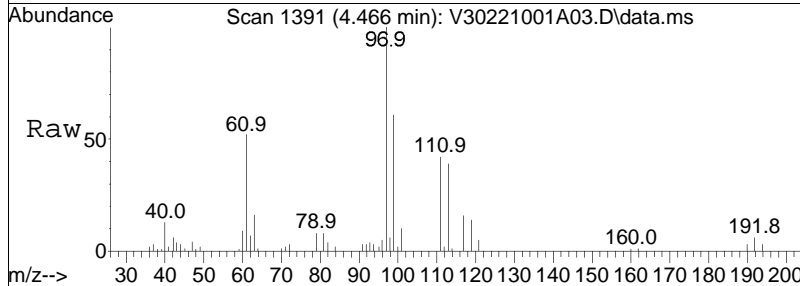
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 117 | 79301 | | |
| 117 | 100 | | |
| 119 | 96.7 | 62.4 | 129.6 |
| 121 | 31.1 | 19.5 | 40.5 |
| 82 | 26.3 | 17.0 | 35.4 |

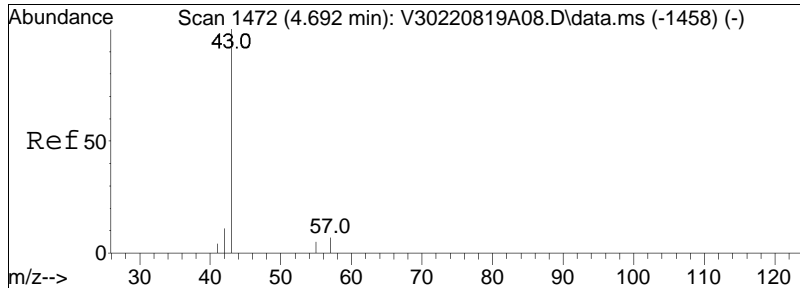




#37
 1,1,1-Trichloroethane
 Concen: 9.15 ug/L
 RT: 4.466 min Scan# 1391
 Delta R.T. -0.003 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

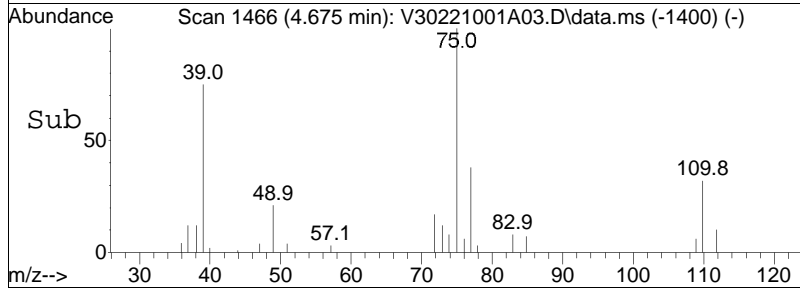
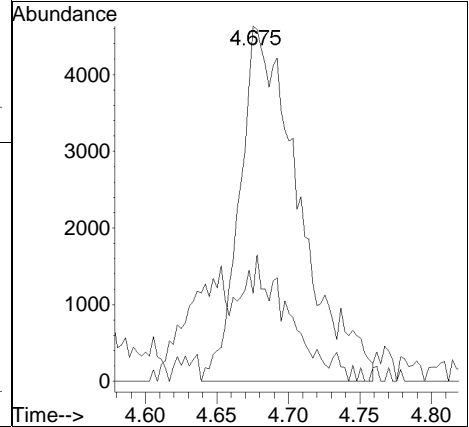
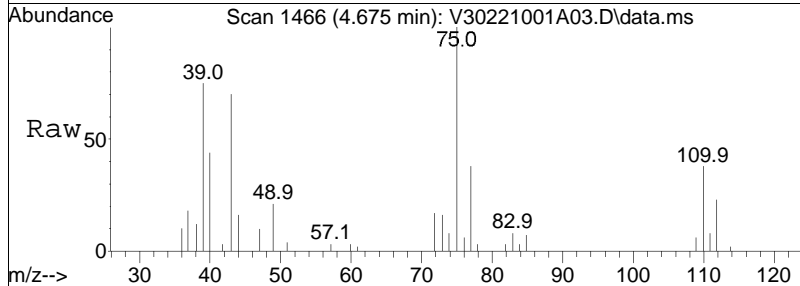
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 97 | 86037 | | |
| 97 | 100 | | |
| 99 | 65.2 | 40.7 | 84.5 |
| 61 | 54.1 | 35.4 | 73.4 |
| 63 | 7.1 | 5.0 | 10.4 |

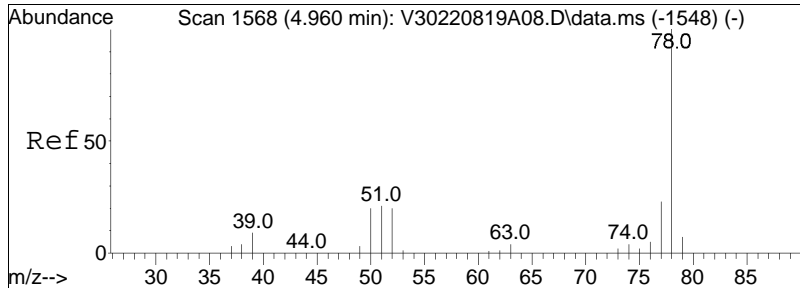




#39
 2-Butanone
 Concen: 9.44 ug/L M1
 RT: 4.675 min Scan# 1466
 Delta R.T. -0.017 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

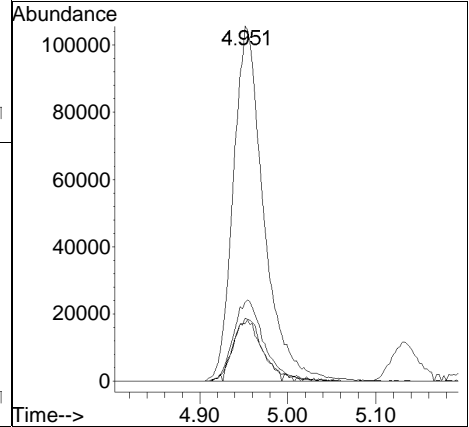
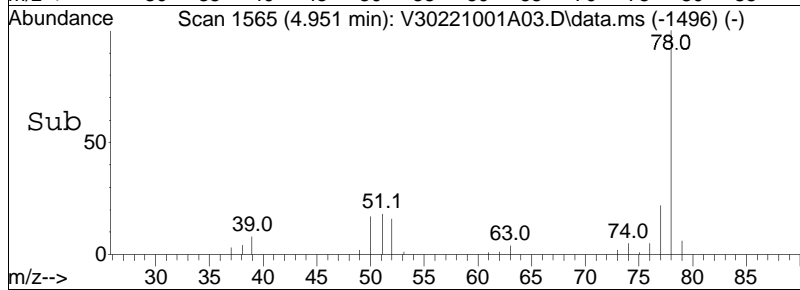
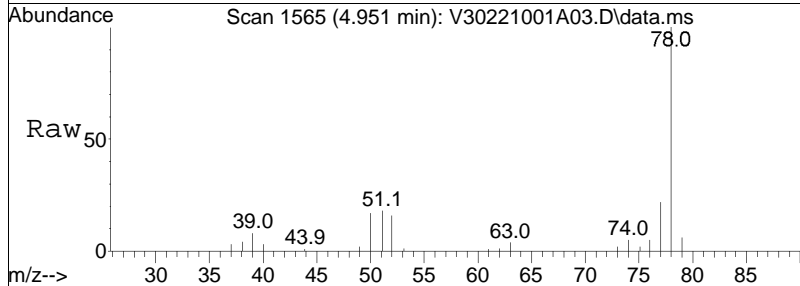
Tgt Ion: 43 Resp: 13354
 Ion Ratio Lower Upper
 43 100
 72 27.9 10.9 16.3#

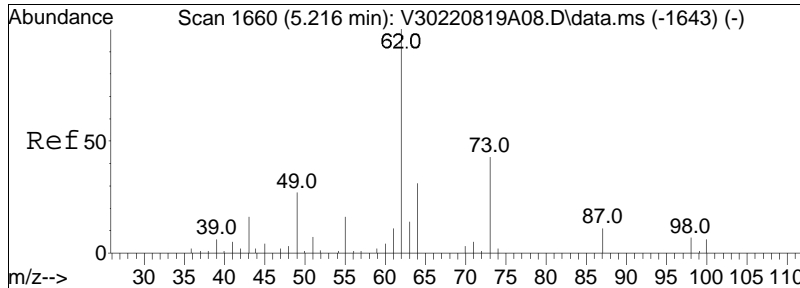




#41
 Benzene
 Concen: 10.71 ug/L
 RT: 4.951 min Scan# 1565
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

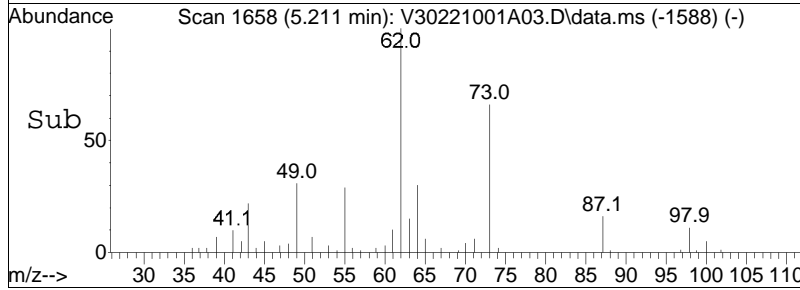
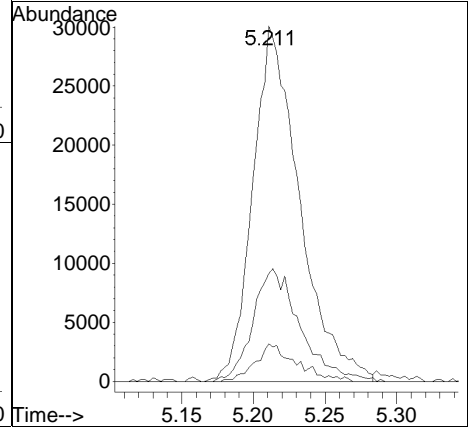
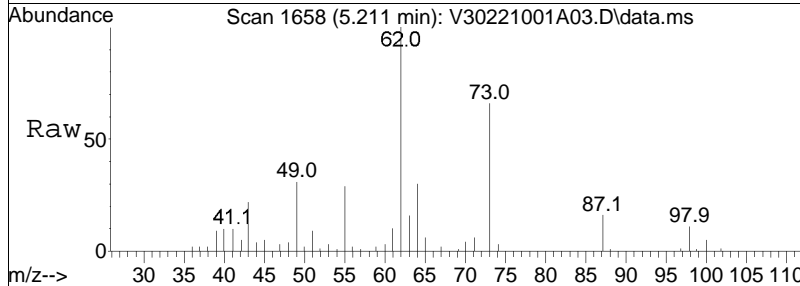
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 78 | 100 | | |
| 77 | 23.2 | 15.7 | 32.7 |
| 51 | 16.9 | 16.0 | 33.2 |
| 52 | 17.1 | 15.3 | 31.9 |

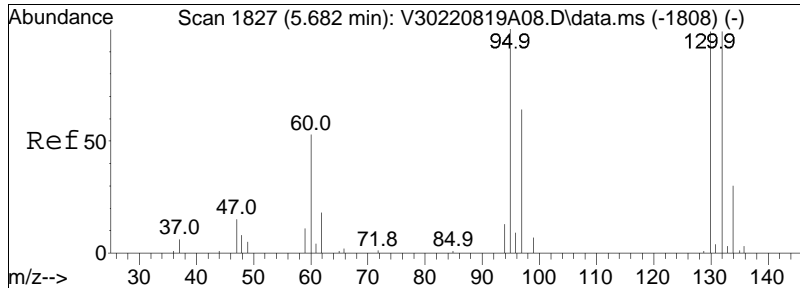




#44
 1,2-Dichloroethane
 Concen: 8.20 ug/L
 RT: 5.211 min Scan# 1658
 Delta R.T. -0.005 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

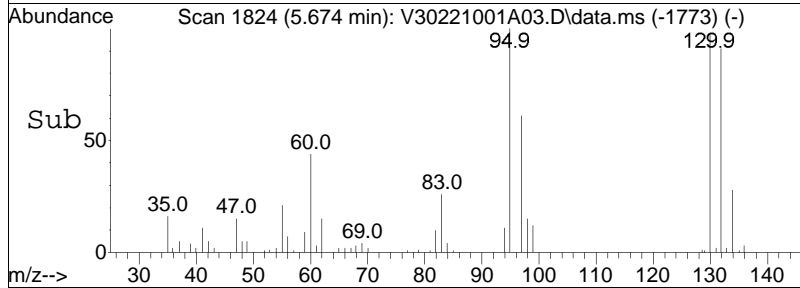
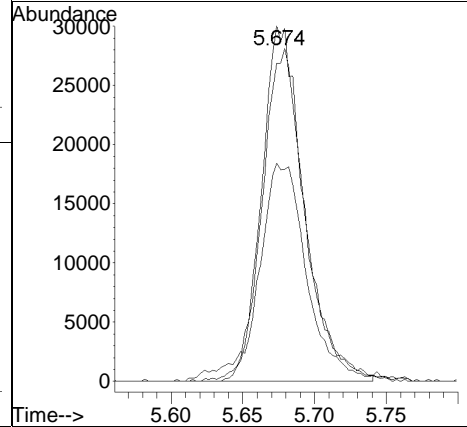
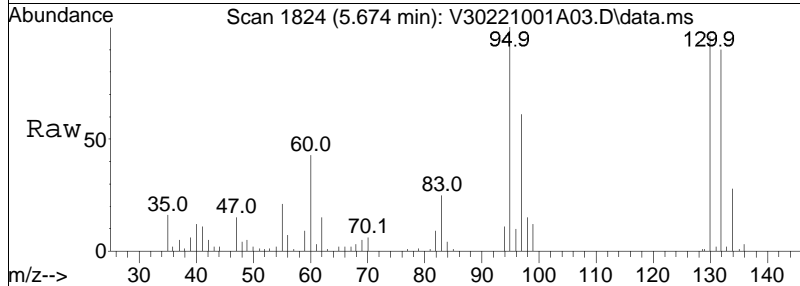
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 32.0 | 11.2 | 51.2 |
| 98 | 9.4 | 0.0 | 26.1 |

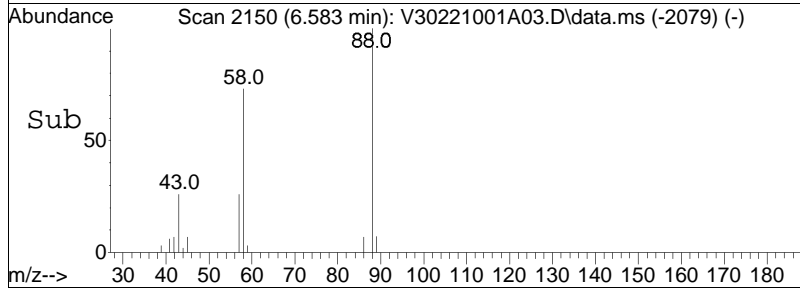
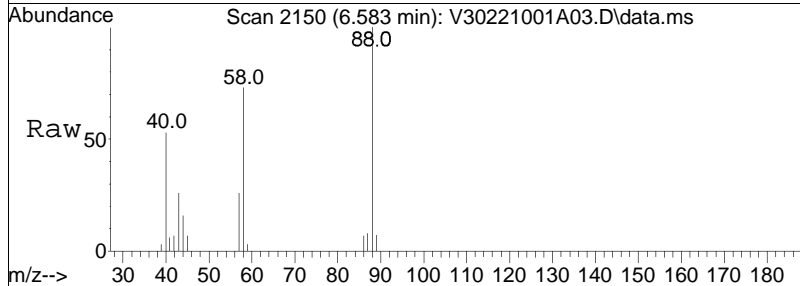
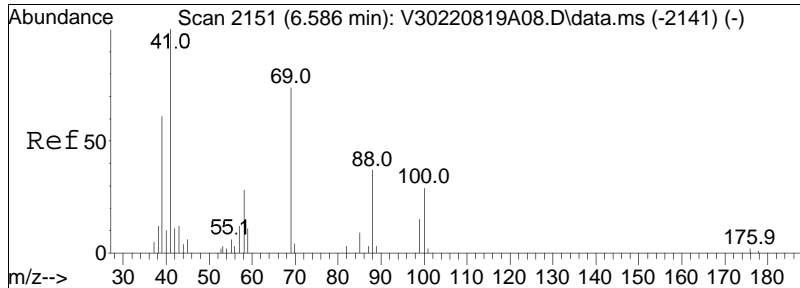




#48
 Trichloroethene
 Concen: 10.09 ug/L
 RT: 5.674 min Scan# 1824
 Delta R.T. -0.008 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

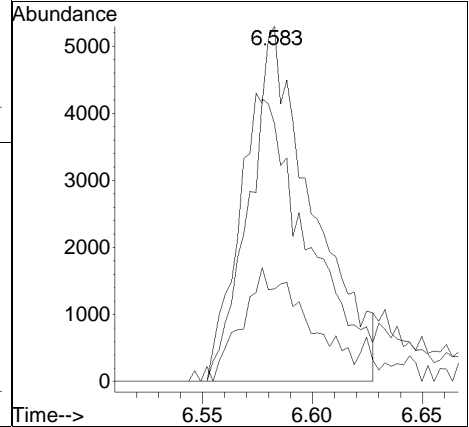
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 62390 | | |
| 95 | 100 | | |
| 97 | 69.0 | 55.5 | 83.3 |
| 132 | 94.4 | 76.6 | 115.0 |

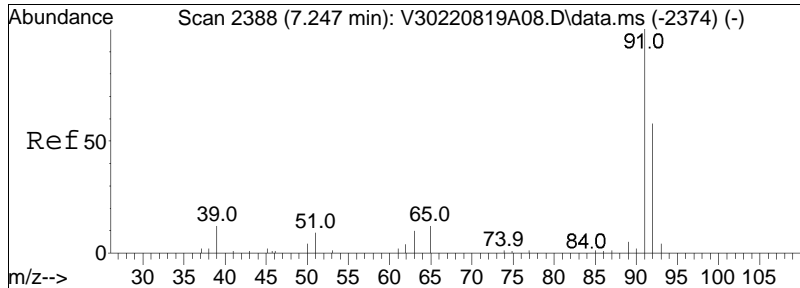




#57
 1,4-Dioxane
 Concen: 552.23 ug/L
 RT: 6.583 min Scan# 2150
 Delta R.T. -0.003 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

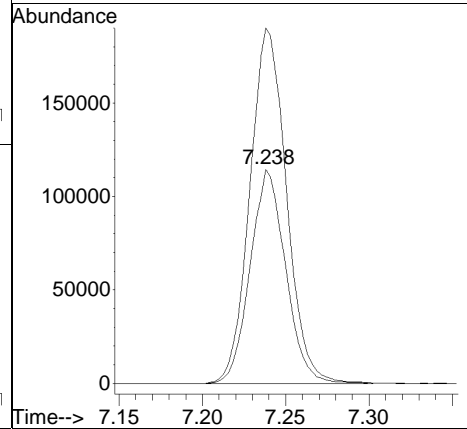
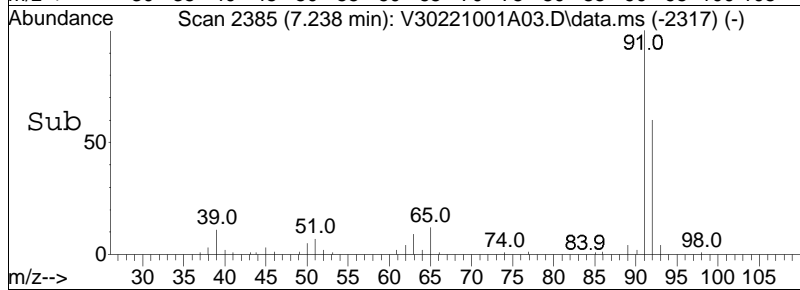
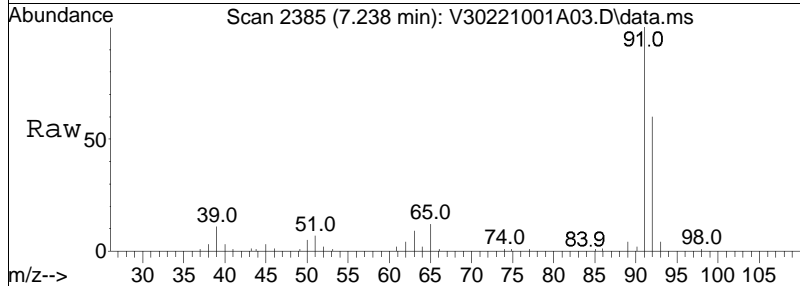
| Tgt Ion: | 88 | Resp: | 11464 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 75.3 | 76.7 | 115.1# |
| 43 | 15.1 | 36.2 | 54.2# |

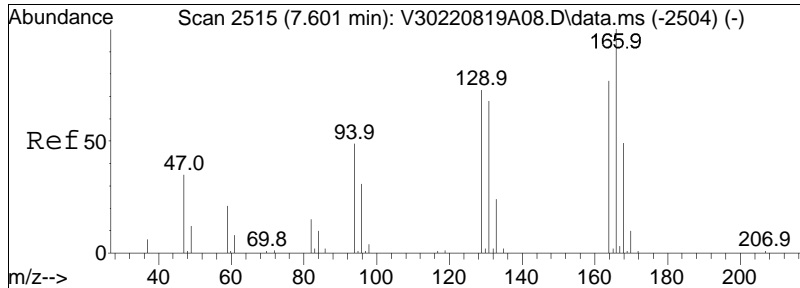




#61
 Toluene
 Concen: 10.61 ug/L
 RT: 7.238 min Scan# 2385
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

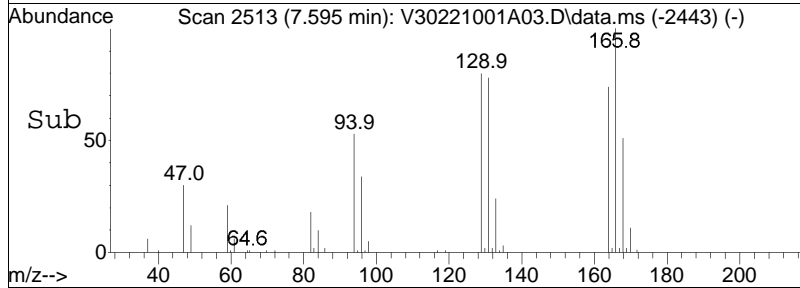
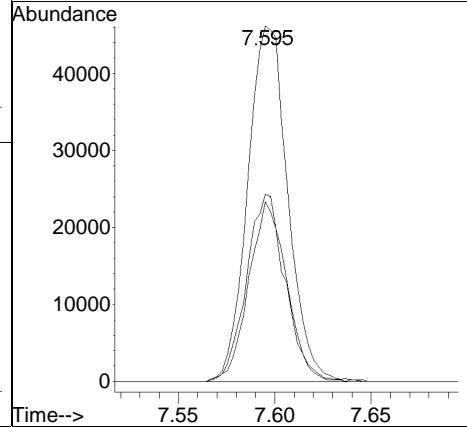
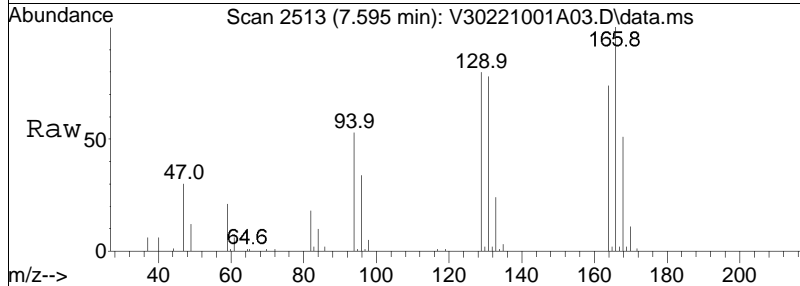
Tgt Ion: 92 Resp: 169013
 Ion Ratio Lower Upper
 92 100
 91 171.5 139.8 209.6

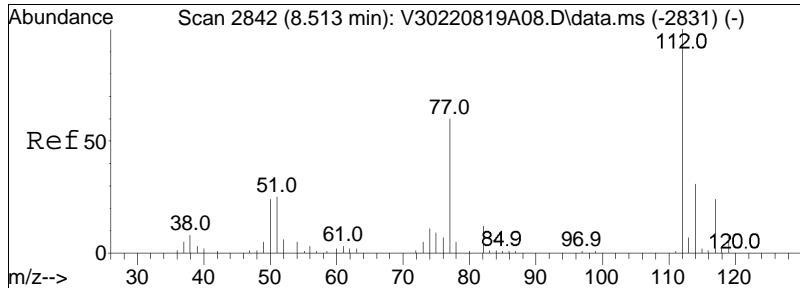




#63
 Tetrachloroethene
 Concen: 9.91 ug/L
 RT: 7.595 min Scan# 2513
 Delta R.T. -0.006 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

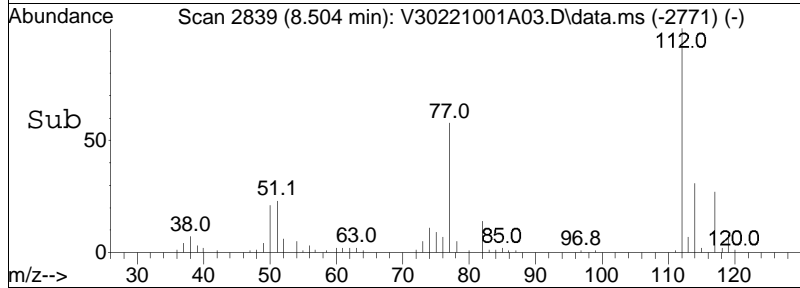
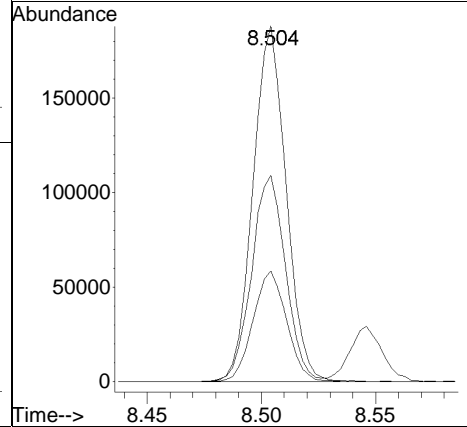
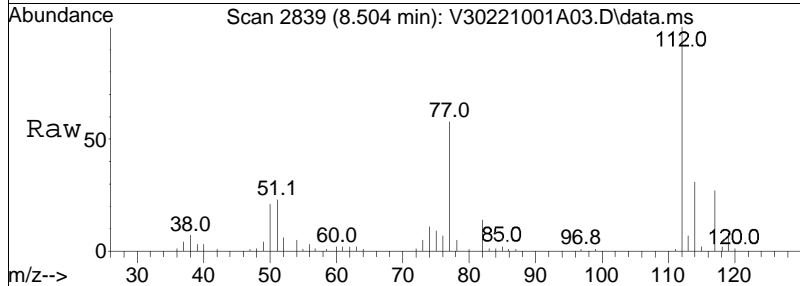
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 48.0 | 28.2 | 68.2 |
| 94 | 50.6 | 38.4 | 78.4 |

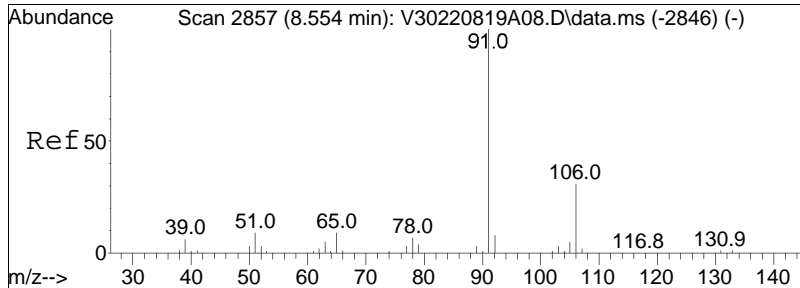




#73
 Chlorobenzene
 Concen: 10.75 ug/L
 RT: 8.504 min Scan# 2839
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

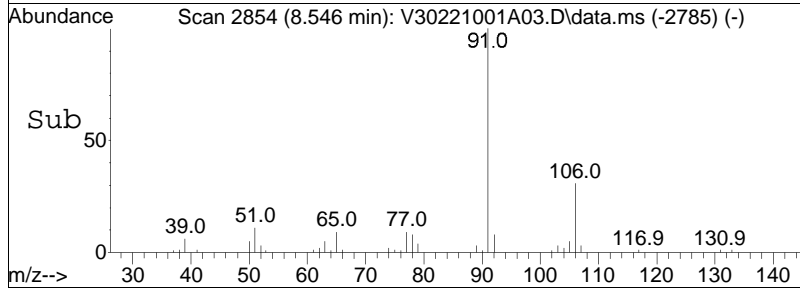
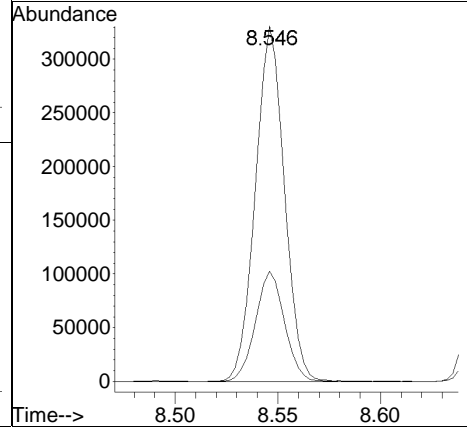
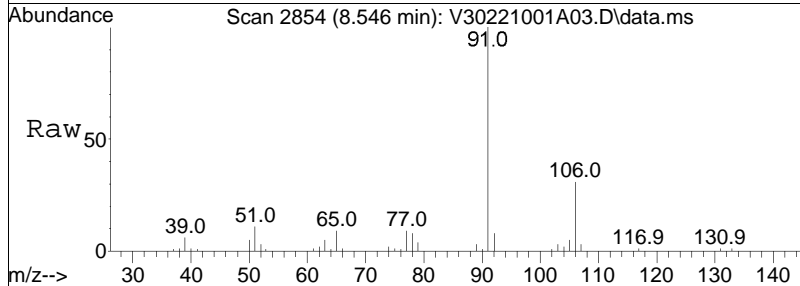
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 77 | 59.5 | 55.4 | 83.0 |
| 114 | 31.4 | 25.4 | 38.2 |

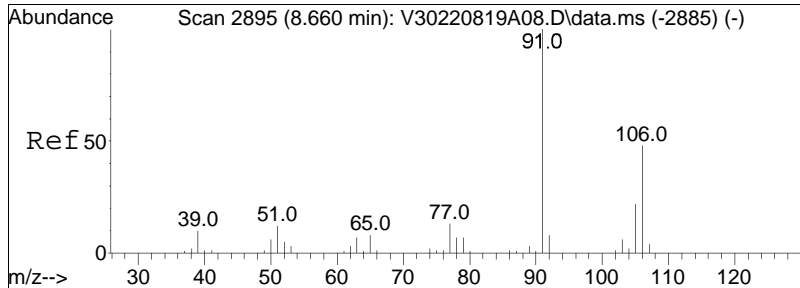




#74
 Ethylbenzene
 Concen: 10.47 ug/L
 RT: 8.546 min Scan# 2854
 Delta R.T. -0.008 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

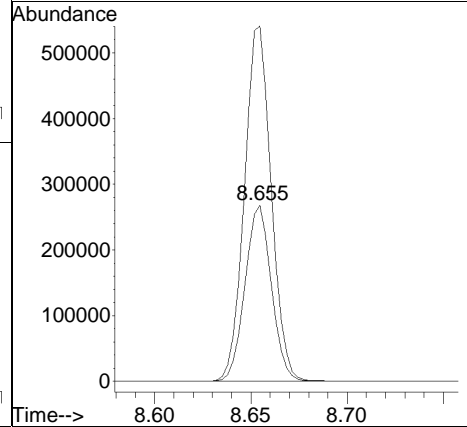
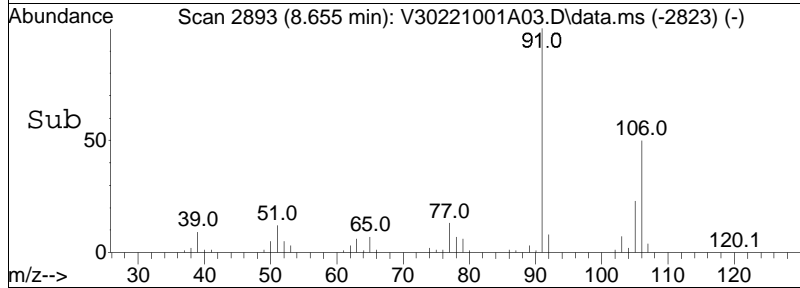
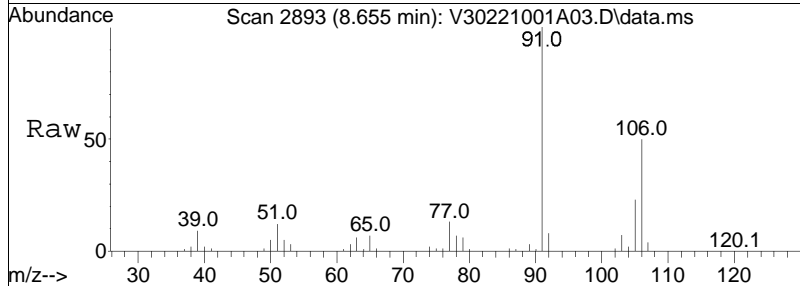
Tgt Ion: 91 Resp: 324727
 Ion Ratio Lower Upper
 91 100
 106 30.9 24.3 36.5

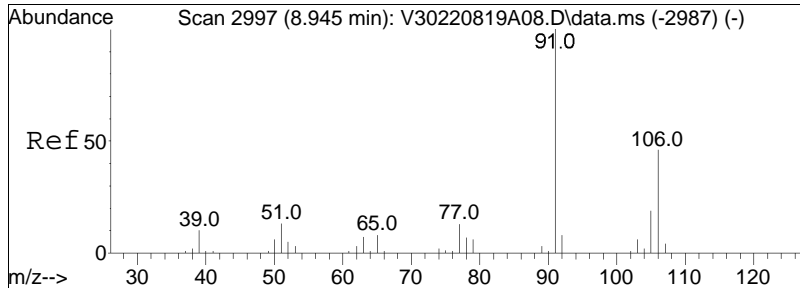




#76
 p/m Xylene
 Concen: 22.18 ug/L
 RT: 8.655 min Scan# 2893
 Delta R.T. -0.005 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

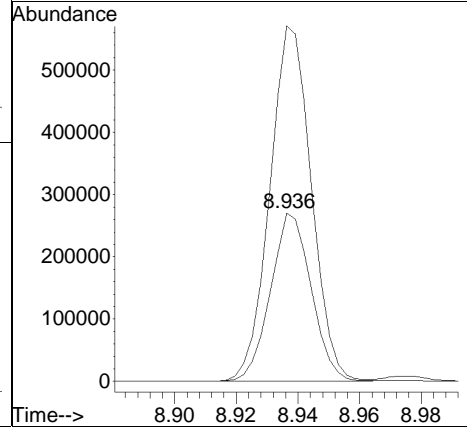
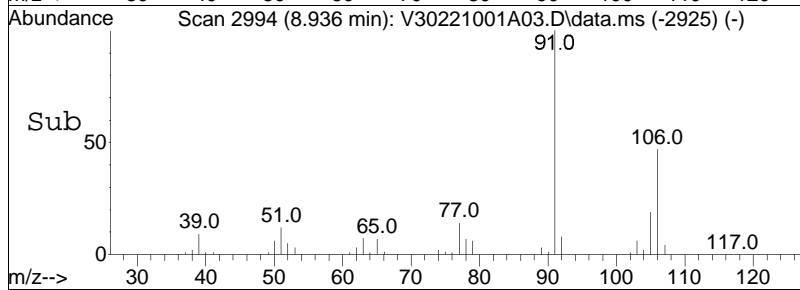
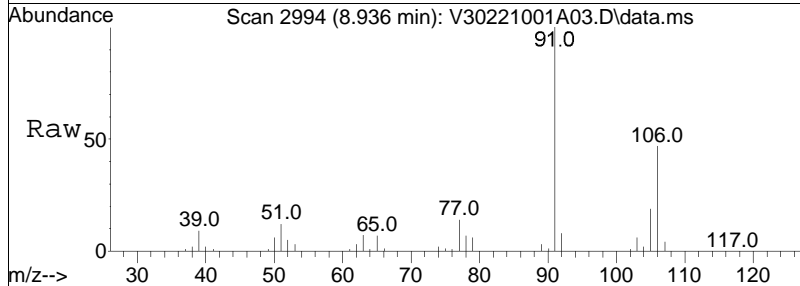
| Tgt Ion | 106 | 91 | Resp | 255878 |
|-----------|-----|-------|-------|--------|
| Ion Ratio | 100 | 204.5 | Lower | Upper |
| | | | 166.4 | 249.6 |

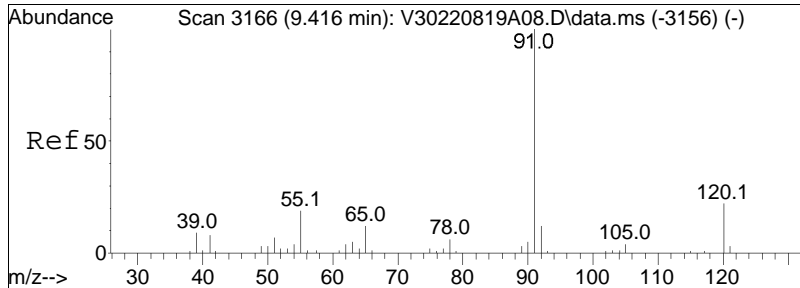




#77
 o Xylene
 Concen: 21.99 ug/L
 RT: 8.936 min Scan# 2994
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

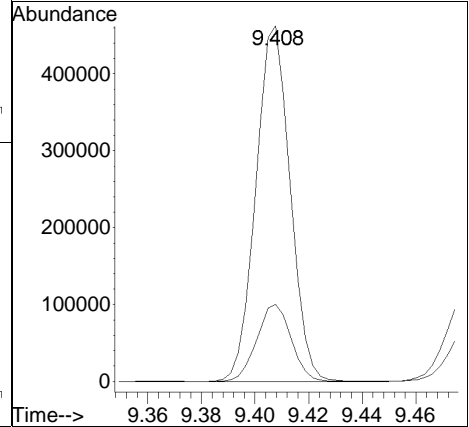
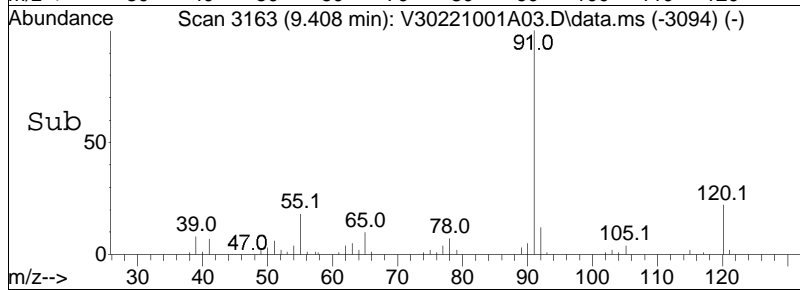
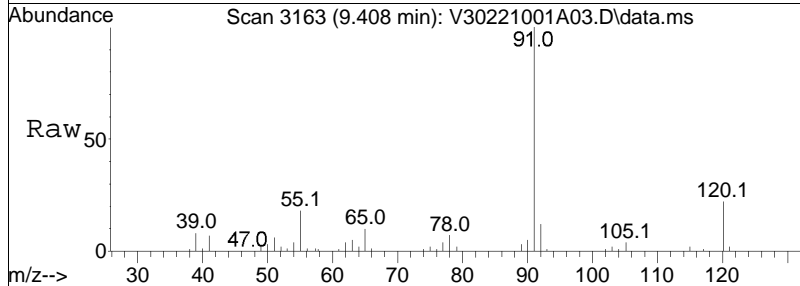
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 215.8 | 182.6 | 273.8 |

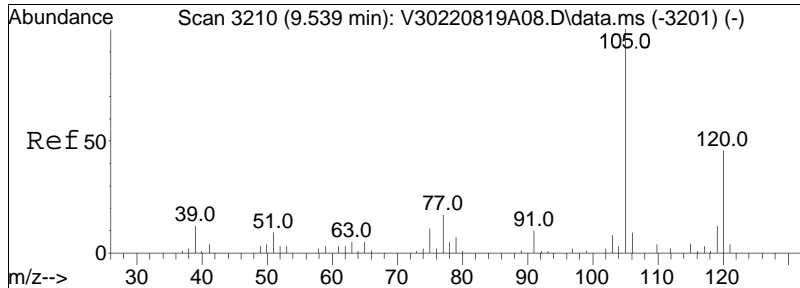




#85
 n-Propylbenzene
 Concen: 11.16 ug/L
 RT: 9.408 min Scan# 3163
 Delta R.T. -0.008 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

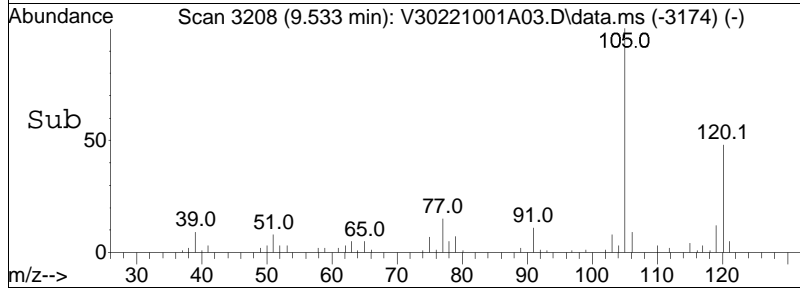
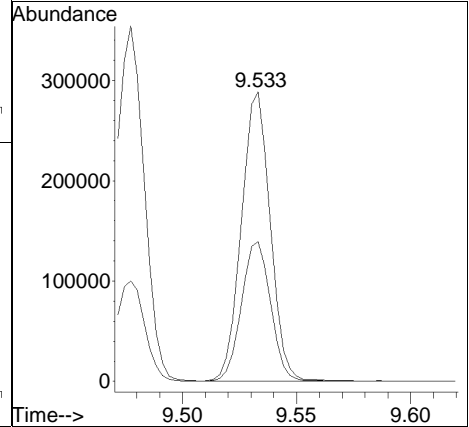
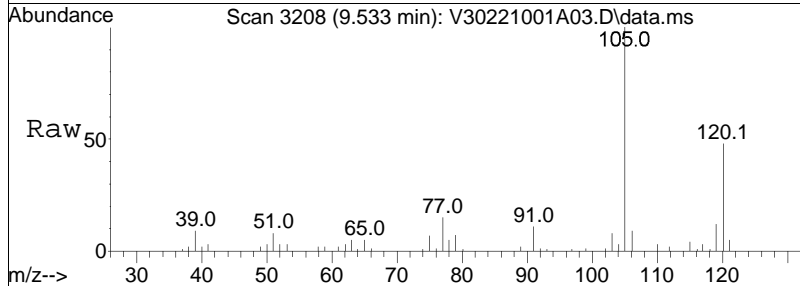
Tgt Ion: 91 Resp: 410504
 Ion Ratio Lower Upper
 91 100
 120 21.7 17.0 25.6

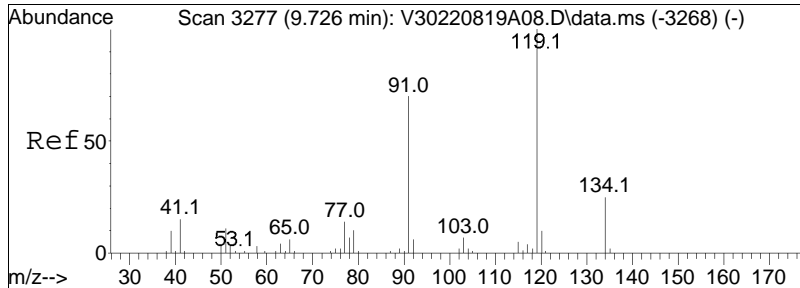




#90
 1,3,5-Trimethylbenzene
 Concen: 9.75 ug/L
 RT: 9.533 min Scan# 3208
 Delta R.T. -0.006 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

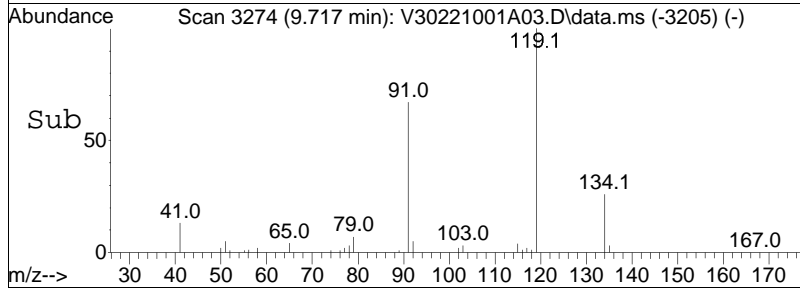
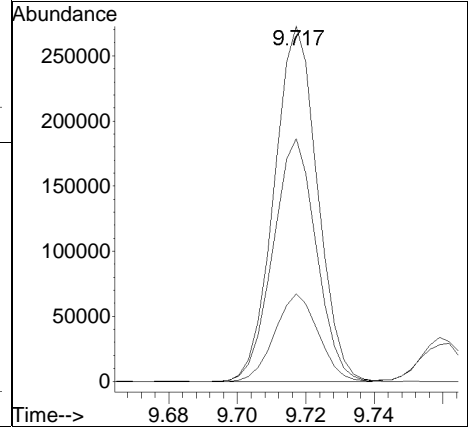
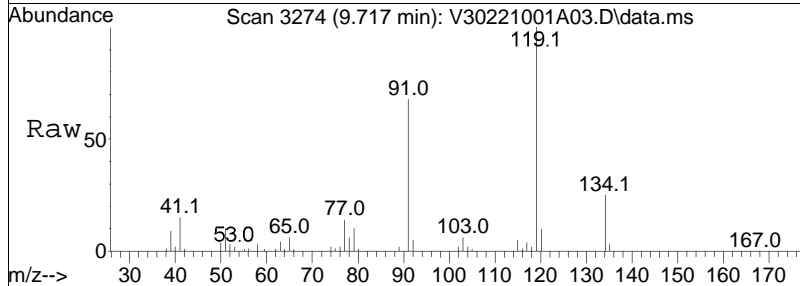
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 48.8 | 34.8 | 52.2 |

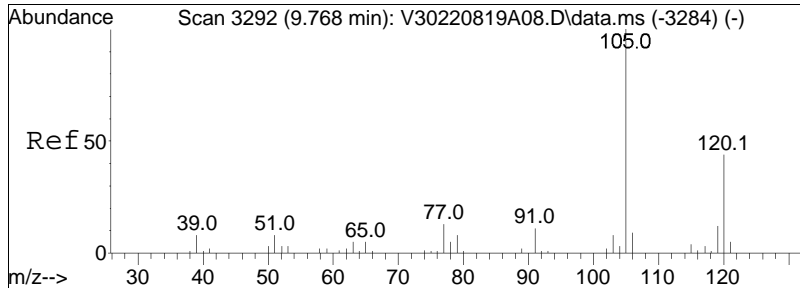




#94
 tert-Butylbenzene
 Concen: 10.68 ug/L
 RT: 9.717 min Scan# 3274
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

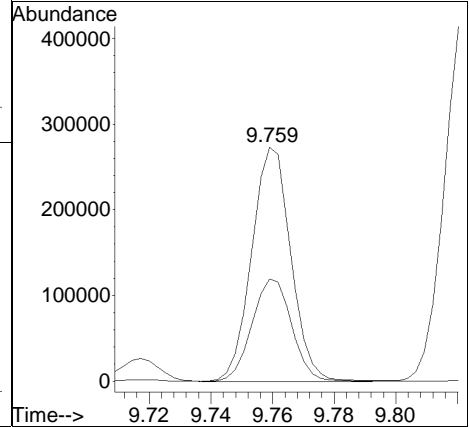
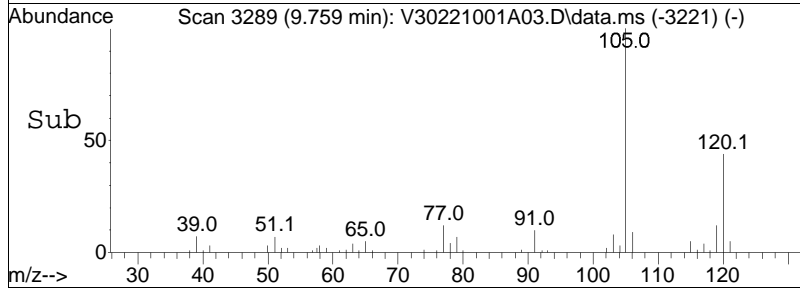
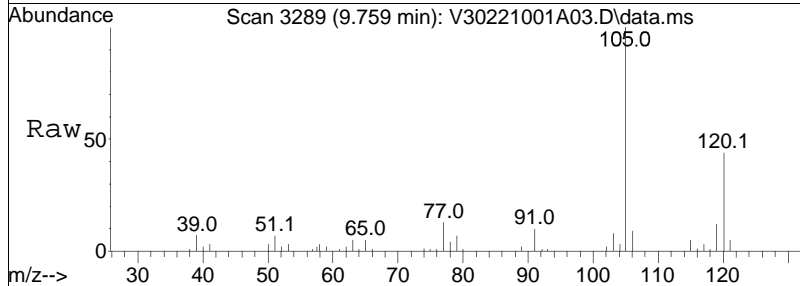
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 239639 | | |
| 119 | 100 | | |
| 91 | 68.4 | 51.4 | 77.2 |
| 134 | 24.7 | 18.3 | 27.5 |

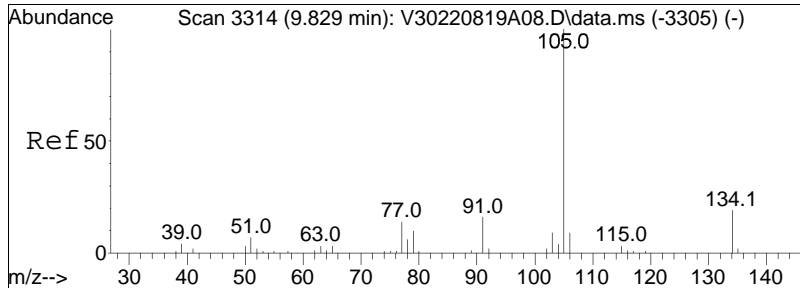




#97
 1,2,4-Trimethylbenzene
 Concen: 9.42 ug/L
 RT: 9.759 min Scan# 3289
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

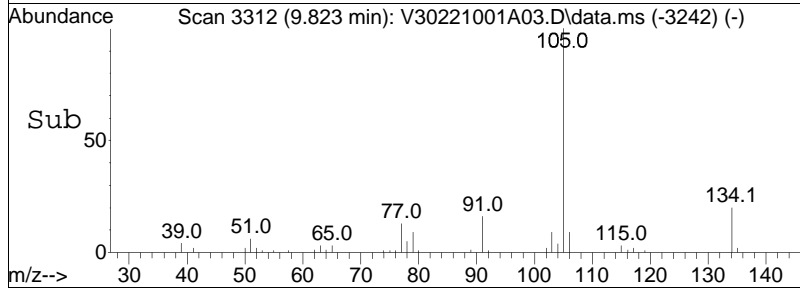
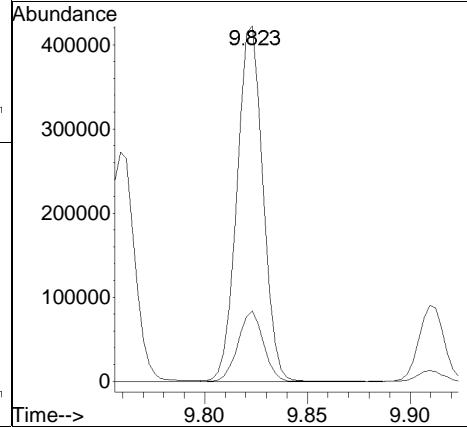
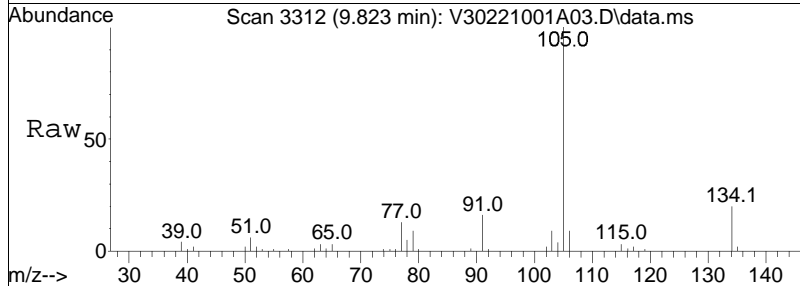
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 44.5 | 33.4 | 50.0 |

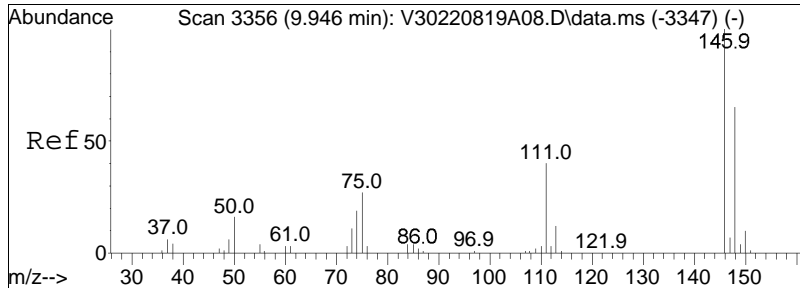




#98
 sec-Butylbenzene
 Concen: 11.02 ug/L
 RT: 9.823 min Scan# 3312
 Delta R.T. -0.006 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

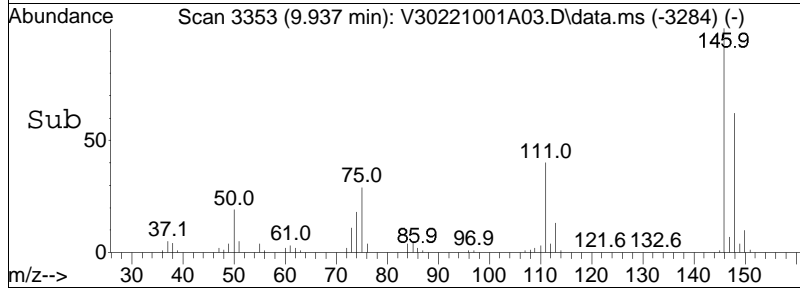
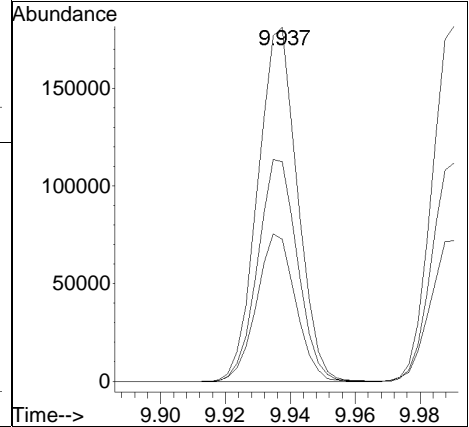
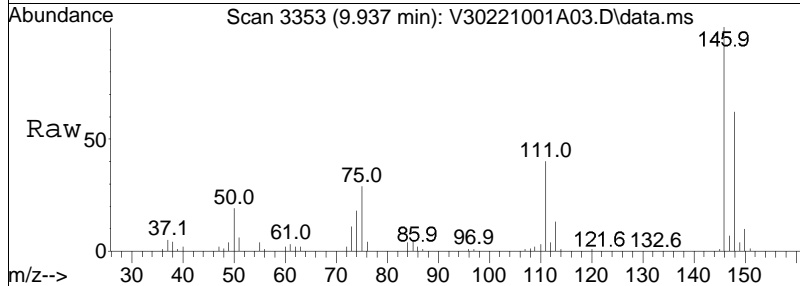
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 19.3 | 12.5 | 26.1 |

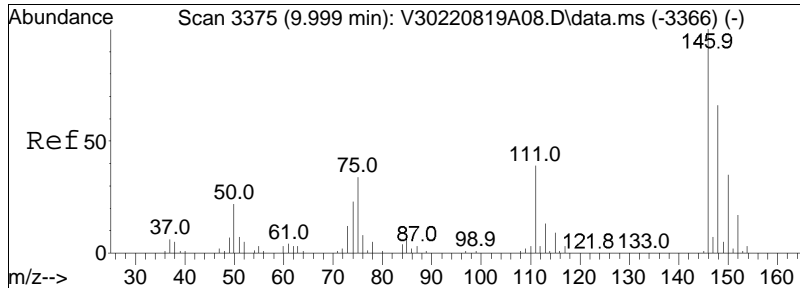




#100
 1,3-Dichlorobenzene
 Concen: 10.61 ug/L
 RT: 9.937 min Scan# 3353
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

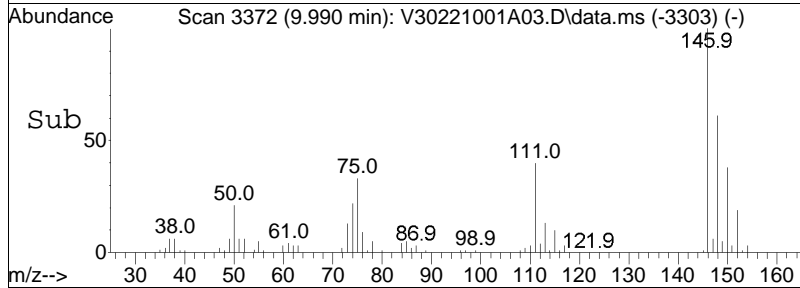
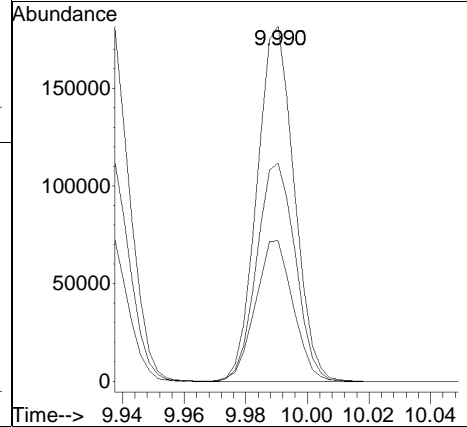
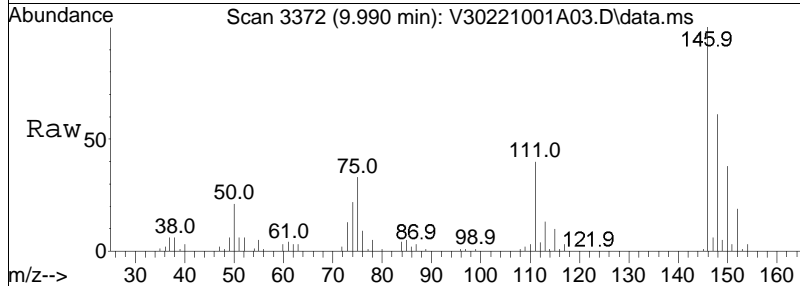
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 40.9 | 27.5 | 57.1 |
| 148 | 62.5 | 41.9 | 86.9 |

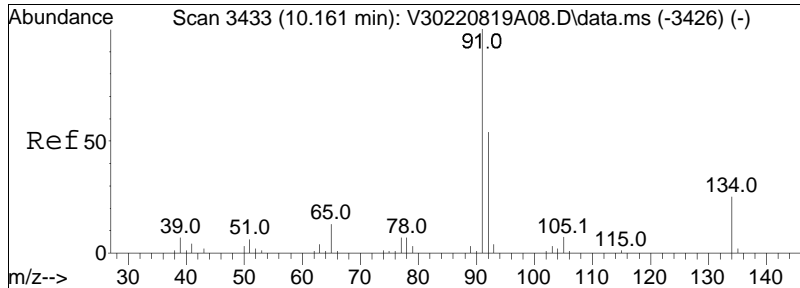




#101
 1,4-Dichlorobenzene
 Concen: 10.45 ug/L
 RT: 9.990 min Scan# 3372
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

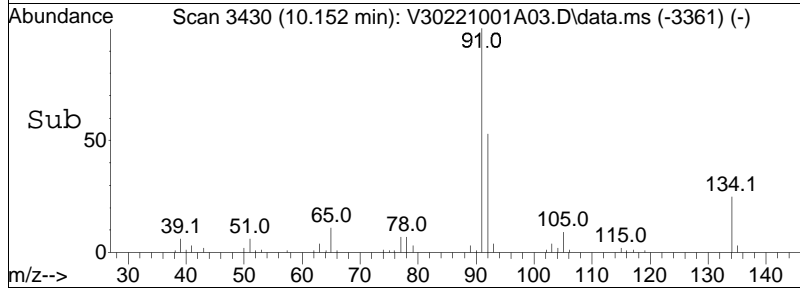
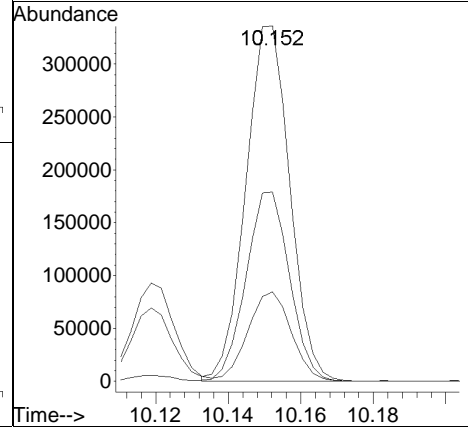
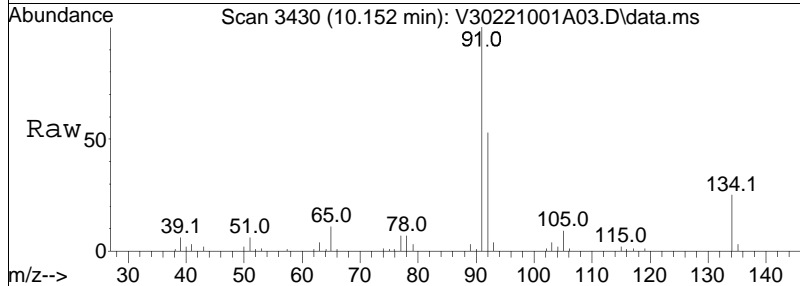
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 40.3 | 32.3 | 48.5 |
| 148 | 63.6 | 49.9 | 74.9 |

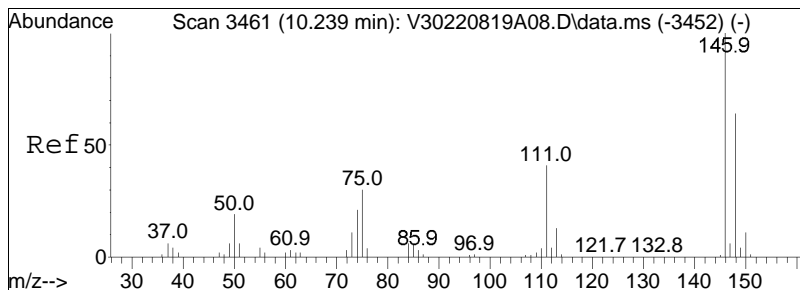




#103
 n-Butylbenzene
 Concen: 10.61 ug/L
 RT: 10.152 min Scan# 3430
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

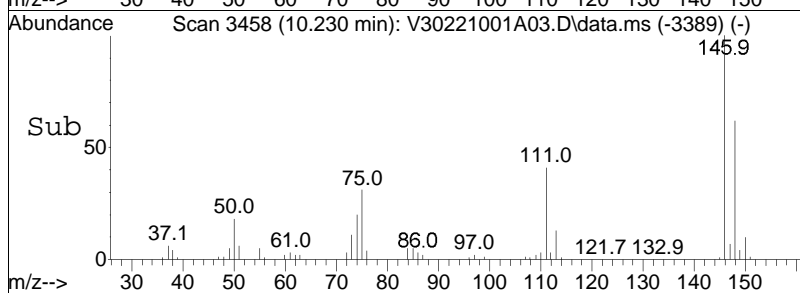
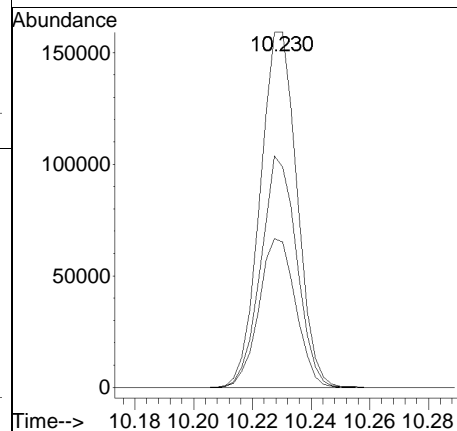
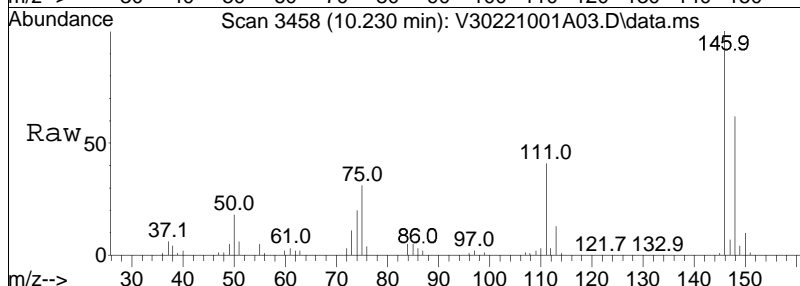
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 92 | 53.0 | 43.0 | 64.4 |
| 134 | 24.9 | 19.6 | 29.4 |





#104
 1,2-Dichlorobenzene
 Concen: 10.19 ug/L
 RT: 10.230 min Scan# 3458
 Delta R.T. -0.009 min
 Lab File: V30221001A03.D
 Acq: 01 Oct 2022 09:53 am

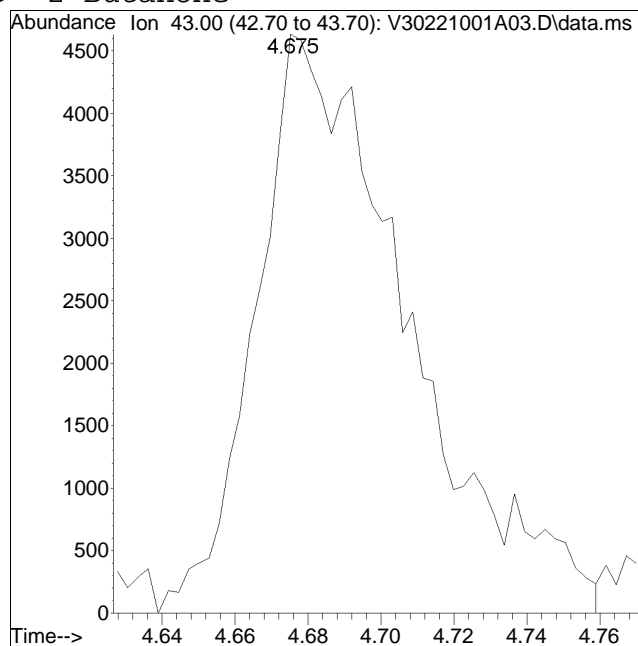
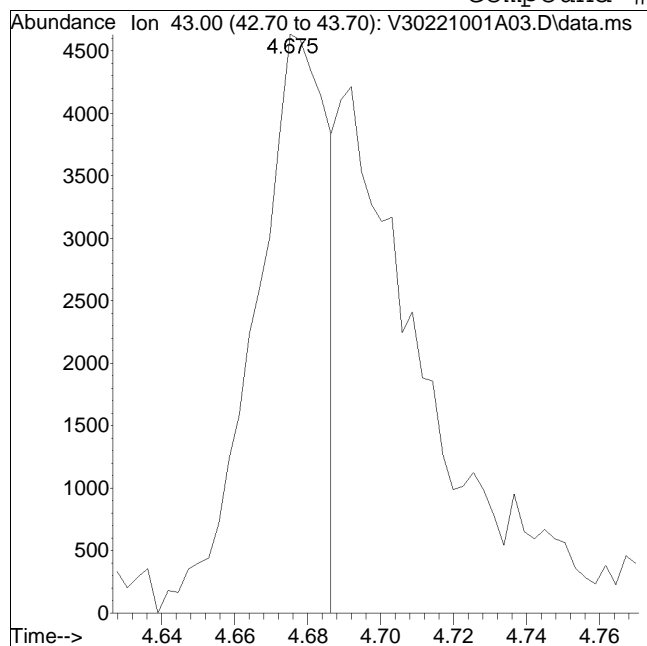
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 41.9 | 28.3 | 58.7 |
| 148 | 63.3 | 42.3 | 87.8 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A03.D Operator : VOA130:TMS
Date Inj'd : 10/1/2022 9:53 am Instrument : VOA130
Sample : WG1694829-4,31,10,10 Quant Date : 10/1/2022 12:56 pm

Compound #39: 2-Butanone



Original Peak Response = 6419

Manual Peak Response = 13354 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A03.D
 Acq On : 3 Oct 2022 10:17 am
 Operator : GONZO:PD
 Sample : WG1694869-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 10:49:14 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221003A\VG221003A02.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.215 | 96 | 442739 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 435298 | | | Recovery = 101.71% | | | | |
| 59) Chlorobenzene-d5 | 9.769 | 117 | 348585 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 345913 | | | Recovery = 100.77% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.426 | 152 | 202945 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 201700 | | | Recovery = 100.62% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.402 | 113 | 114739 | 10.016 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.16% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.934 | 65 | 144303 | 10.105 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 101.05% | | | | |
| 60) Toluene-d8 | 7.915 | 98 | 444359 | 9.970 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.70% | | | | |
| 83) 4-Bromofluorobenzene | 11.241 | 95 | 165839 | 8.898 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 88.98% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 2.007 | 62 | 61374 | 10.684 | ug/L | | 100 |
| 10) 1,1-Dichloroethene | 3.108 | 96 | 59407 | 10.726 | ug/L | | 86 |
| 15) Methylene chloride | 3.678 | 84 | 65656 | 9.422 | ug/L # | | 74 |
| 17) Acetone | 3.724 | 43 | 18817 | 8.552 | ug/L | | 95 |
| 18) trans-1,2-Dichloroethene | 3.830 | 96 | 65473 | 10.546 | ug/L | | 88 |
| 20) Methyl tert-butyl ether | 3.921 | 73 | 151132 | 7.982 | ug/L # | | 87 |
| 23) 1,1-Dichloroethane | 4.422 | 63 | 130323 | 10.451 | ug/L | | 99 |
| 28) cis-1,2-Dichloroethene | 4.954 | 96 | 73378 | 10.120 | ug/L | | 91 |
| 32) Chloroform | 5.220 | 83 | 119375 | 9.738 | ug/L | | 95 |
| 34) Carbon tetrachloride | 5.349 | 117 | 94753 | 10.004 | ug/L | | 97 |
| 37) 1,1,1-Trichloroethane | 5.418 | 97 | 104127 | 9.590 | ug/L | | 95 |
| 39) 2-Butanone | 5.516 | 43 | 31194 | 7.628 | ug/L # | | 70 |
| 41) Benzene | 5.790 | 78 | 273522 | 10.291 | ug/L | | 93 |
| 44) 1,2-Dichloroethane | 6.003 | 62 | 89458 | 9.078 | ug/L | | 99 |
| 48) Trichloroethene | 6.390 | 95 | 69491 | 9.517 | ug/L | | 97 |
| 57) 1,4-Dioxane | 7.228 | 88 | 34730 | 388.024 | ug/L # | | 83 |
| 61) Toluene | 7.973 | 92 | 169596 | 9.702 | ug/L | | 96 |
| 63) Tetrachloroethene | 8.424 | 166 | 75708 | 9.889 | ug/L | | 99 |
| 73) Chlorobenzene | 9.793 | 112 | 196842 | 10.411 | ug/L | | 99 |
| 74) Ethylbenzene | 9.826 | 91 | 335135 | 9.743 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A03.D
 Acq On : 3 Oct 2022 10:17 am
 Operator : GONZO:PD
 Sample : WG1694869-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 10:49:14 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\Gonzo\2022\221003A\VG221003A02.D
 Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVE

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 10.007 | 106 | 269143 | 20.397 | ug/L | 97 |
| 77) o Xylene | 10.542 | 106 | 258714 | 20.290 | ug/L | 98 |
| 85) n-Propylbenzene | 11.381 | 91 | 422673 | 10.316 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 11.603 | 105 | 303522 | 10.415 | ug/L | 98 |
| 94) tert-Butylbenzene | 11.940 | 119 | 266841 | 10.799 | ug/L | 100 |
| 97) 1,2,4-Trimethylbenzene | 12.014 | 105 | 290343 | 10.256 | ug/L | 99 |
| 98) sec-Butylbenzene | 12.121 | 105 | 402465 | 11.012 | ug/L | 99 |
| 100) 1,3-Dichlorobenzene | 12.352 | 146 | 173986 | 10.784 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 12.442 | 146 | 173734 | 10.617 | ug/L | 99 |
| 103) n-Butylbenzene | 12.706 | 91 | 279437 | 10.926 | ug/L | 98 |
| 104) 1,2-Dichlorobenzene | 12.862 | 146 | 151074 | 9.742 | ug/L | 99 |

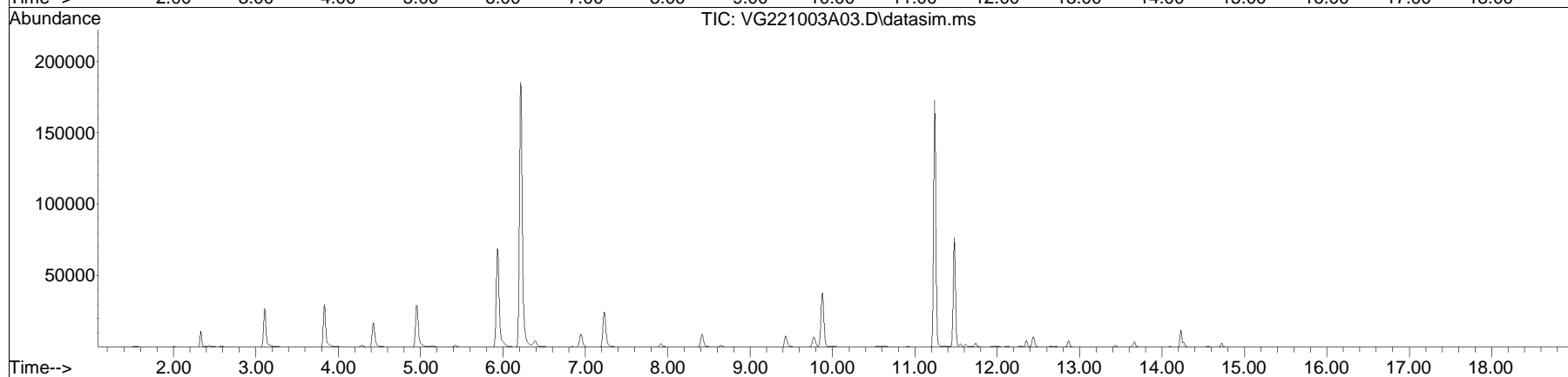
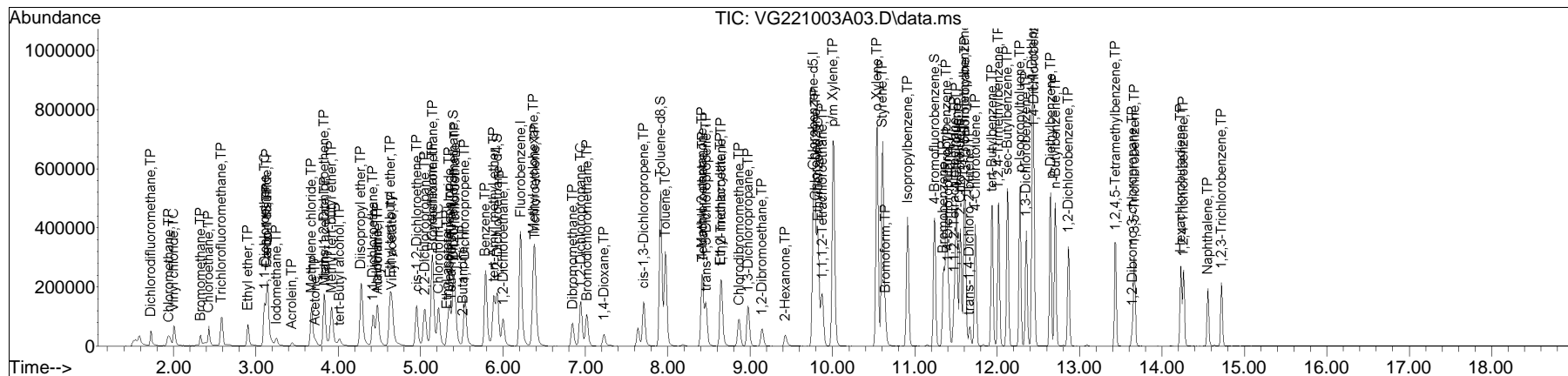
(#) = qualifier out of range (m) = manual integration (+) = signals summed

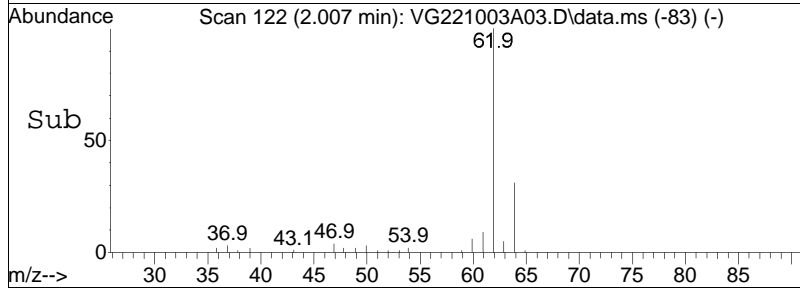
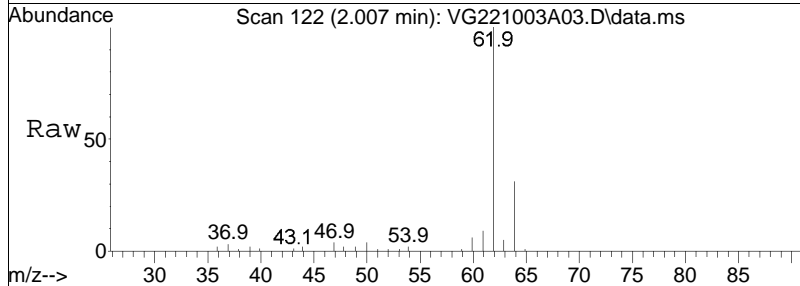
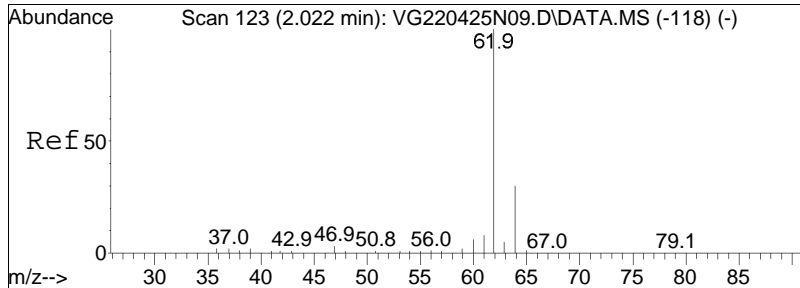
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\Gonzo\2022\221003A\
 Data File : VG221003A03.D
 Acq On : 3 Oct 2022 10:17 am
 Operator : GONZO:PD
 Sample : WG1694869-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG1694869,ICAL19212 (Sig #1); WG,ICAL19212 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 03 10:49:14 2022
 Quant Method : I:\VOLATILES\Gonzo\2022\221003A\G_220727N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jul 28 10:17:40 2022
 Response via : Initial Calibration

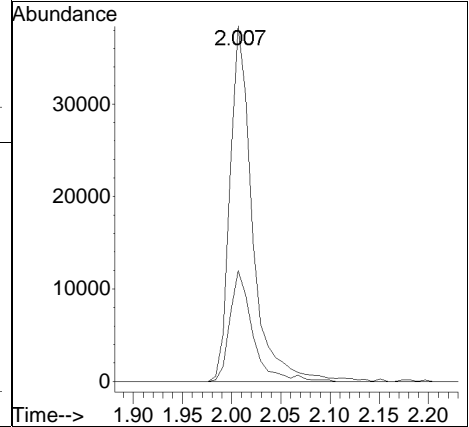
Sub List : 8260-Curve-2CEVE - Megamix+Diox-2CEVEG221003A02.D•

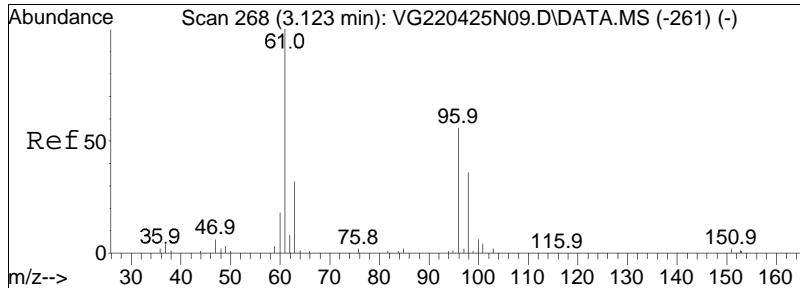




#4
 Vinyl chloride
 Concen: 10.68 ug/L
 RT: 2.007 min Scan# 122
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

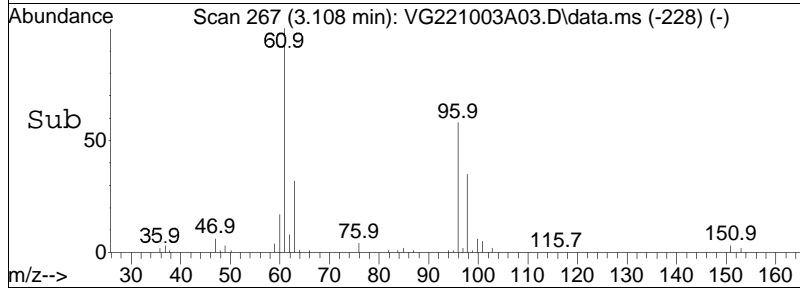
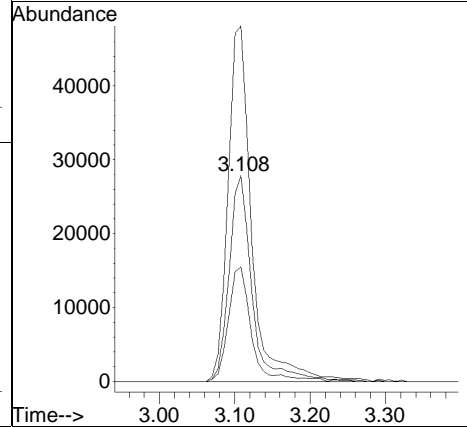
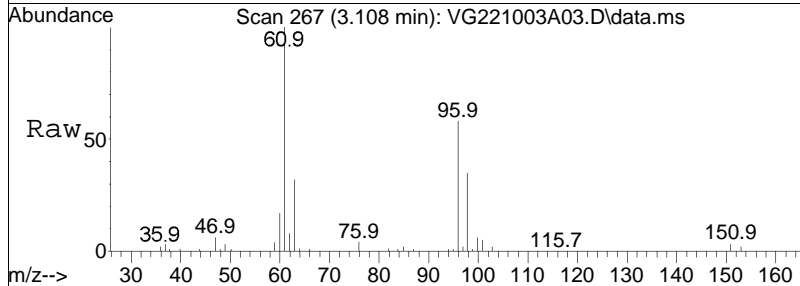
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 62 | 100 | | |
| 64 | 31.4 | 11.3 | 51.3 |

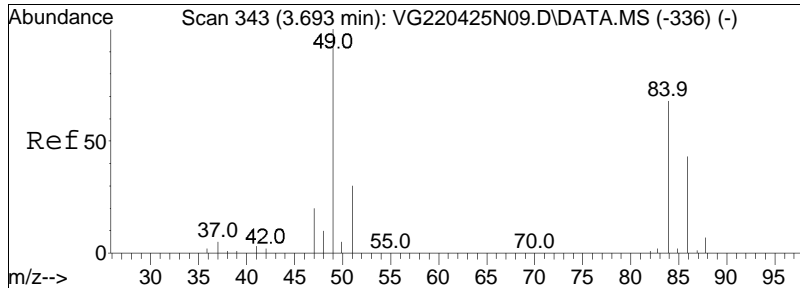




#10
 1,1-Dichloroethene
 Concen: 10.73 ug/L
 RT: 3.108 min Scan# 267
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

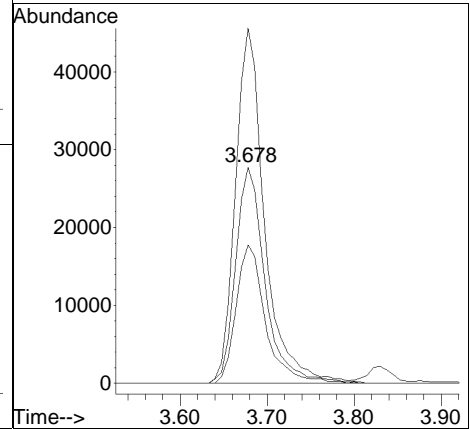
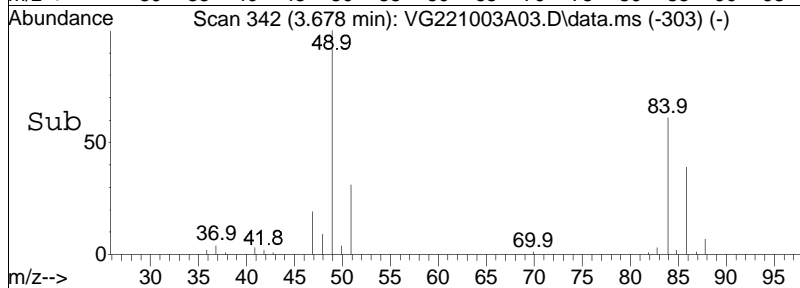
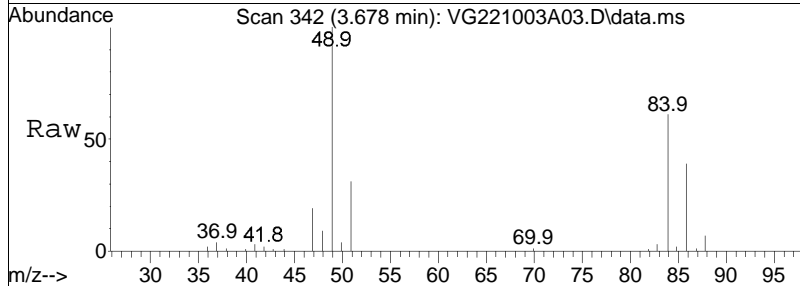
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 59407 | | |
| 96 | 100 | | |
| 61 | 177.0 | 124.2 | 186.4 |
| 63 | 55.0 | 40.0 | 60.0 |

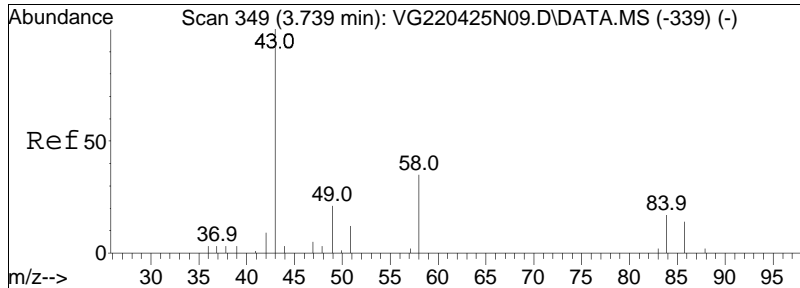




#15
 Methylene chloride
 Concen: 9.42 ug/L
 RT: 3.678 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

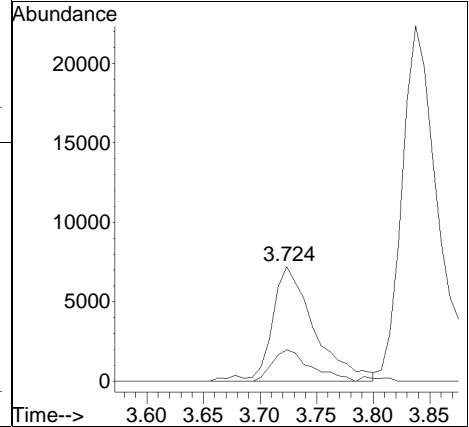
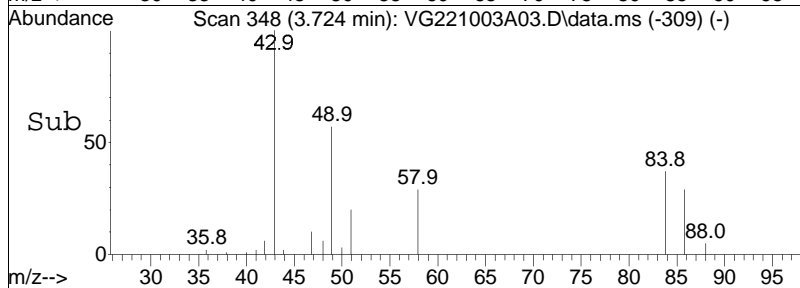
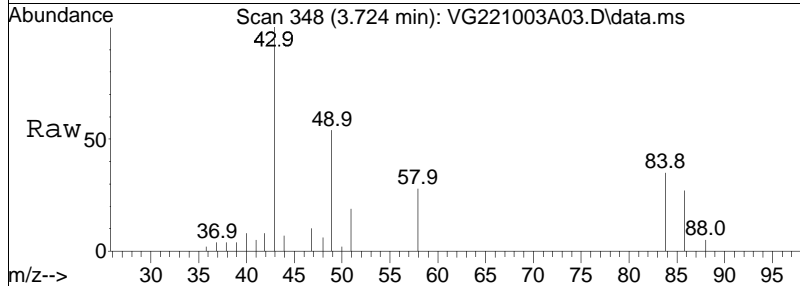
| Tgt Ion: | 84 | Resp: | 65656 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 63.9 | 41.1 | 85.5 |
| 49 | 161.1 | 76.2 | 158.2# |

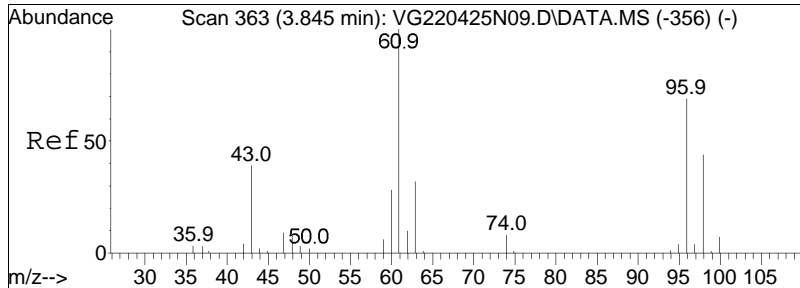




#17
 Acetone
 Concen: 8.55 ug/L
 RT: 3.724 min Scan# 348
 Delta R.T. -0.001 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

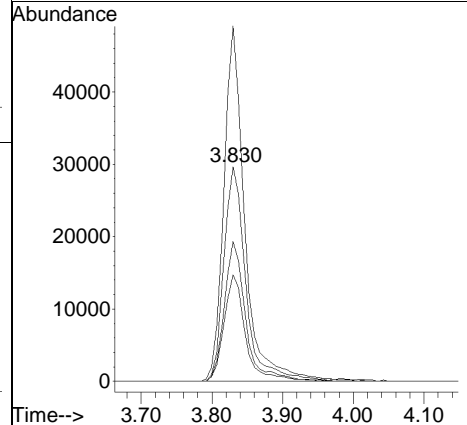
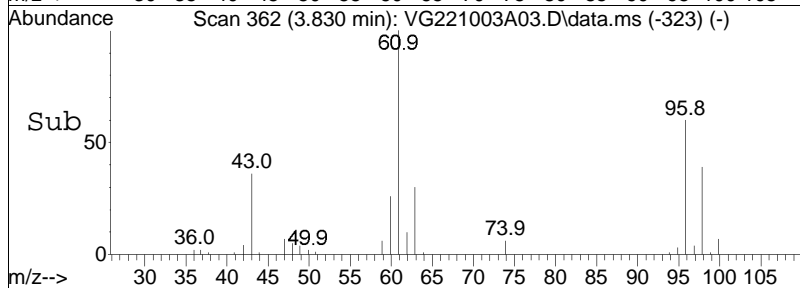
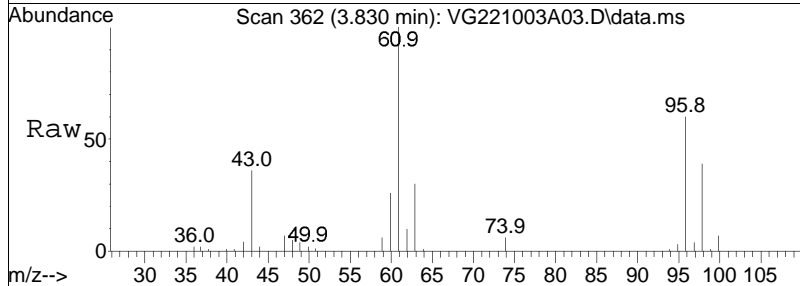
Tgt Ion: 43 Resp: 18817
 Ion Ratio Lower Upper
 43 100
 58 25.4 22.2 33.4

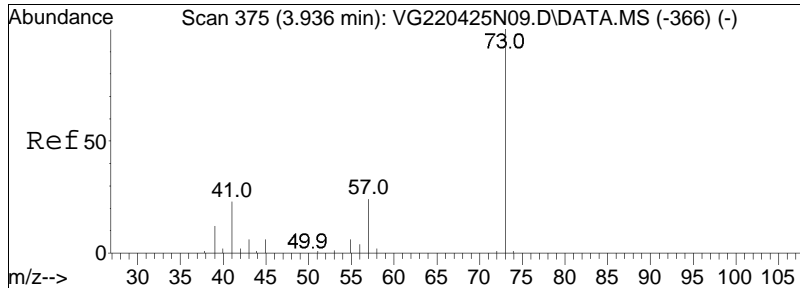




#18
 trans-1,2-Dichloroethene
 Concen: 10.55 ug/L
 RT: 3.830 min Scan# 362
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

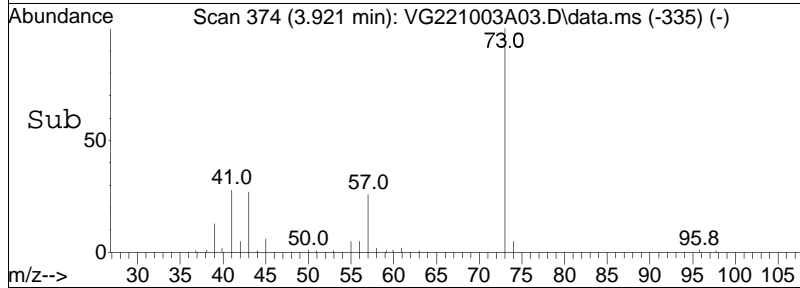
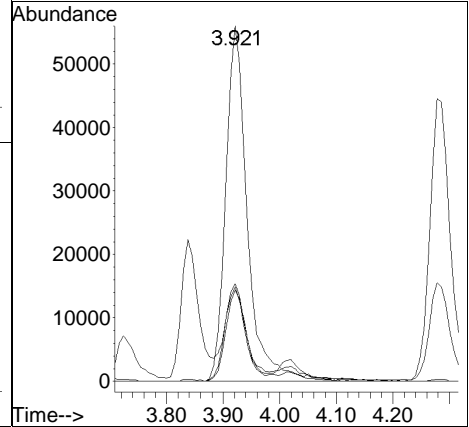
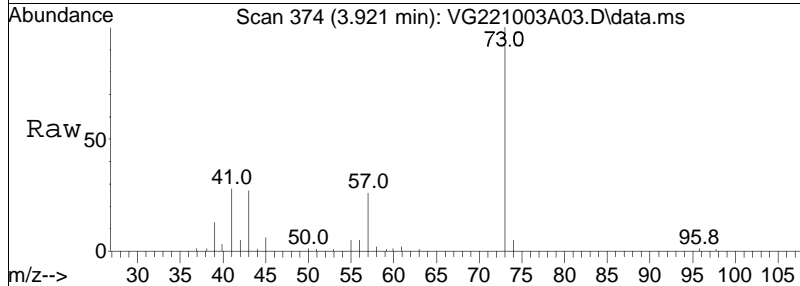
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 154.6 | 85.7 | 178.1 |
| 98 | 62.3 | 40.2 | 83.4 |
| 63 | 48.0 | 28.0 | 58.2 |

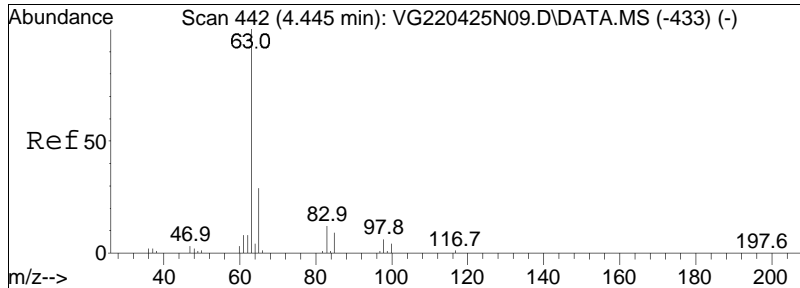




#20
 Methyl tert-butyl ether
 Concen: 7.98 ug/L
 RT: 3.921 min Scan# 374
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

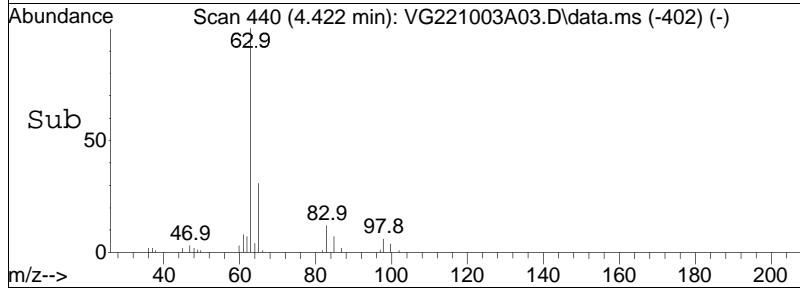
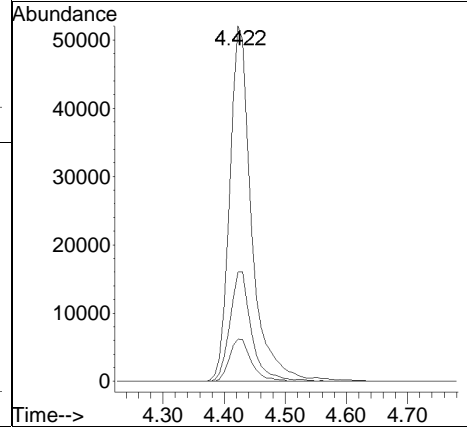
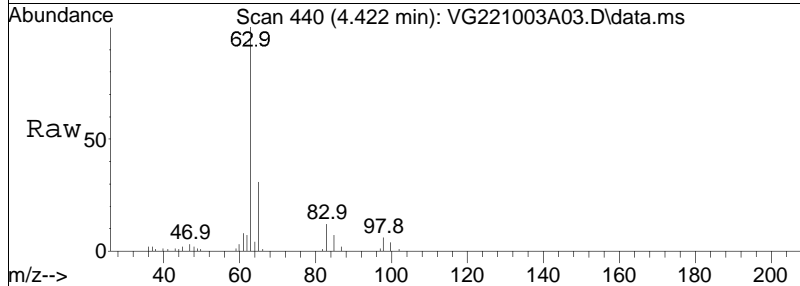
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 73 | 151132 | | |
| 57 | 23.7 | 12.5 | 26.1 |
| 43 | 26.7 | 13.0 | 27.0 |
| 41 | 26.2 | 12.5 | 26.1# |

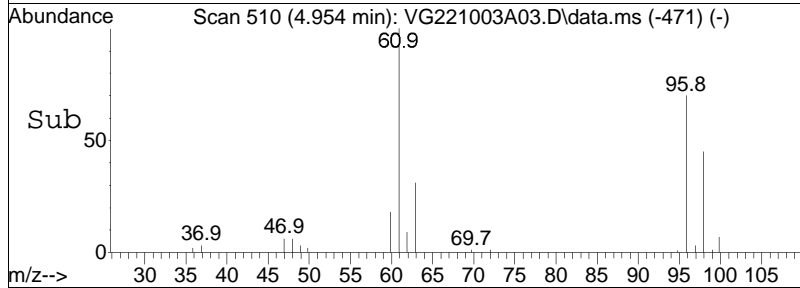
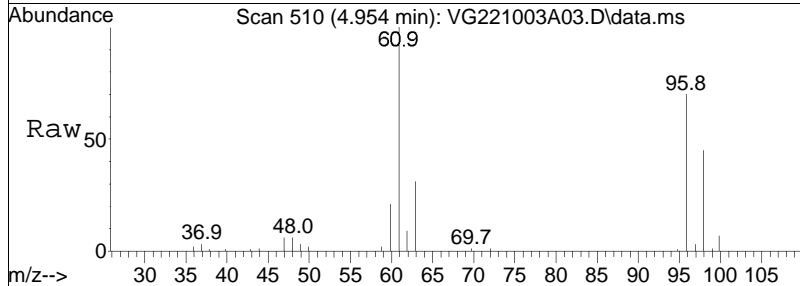
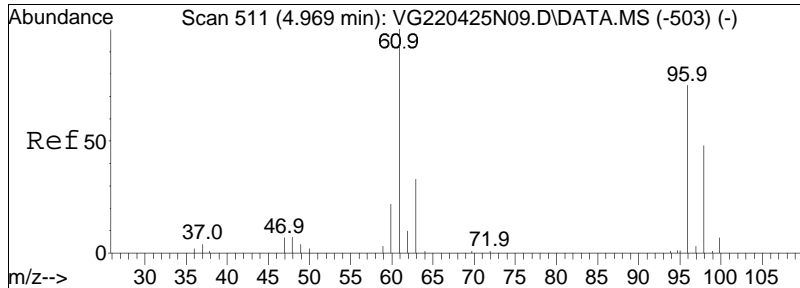




#23
 1,1-Dichloroethane
 Concen: 10.45 ug/L
 RT: 4.422 min Scan# 440
 Delta R.T. -0.008 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

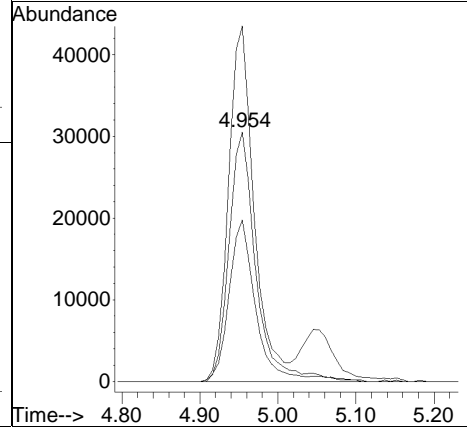
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 63 | 130323 | | |
| 65 | 30.5 | 10.4 | 50.4 |
| 83 | 11.8 | 0.0 | 33.2 |

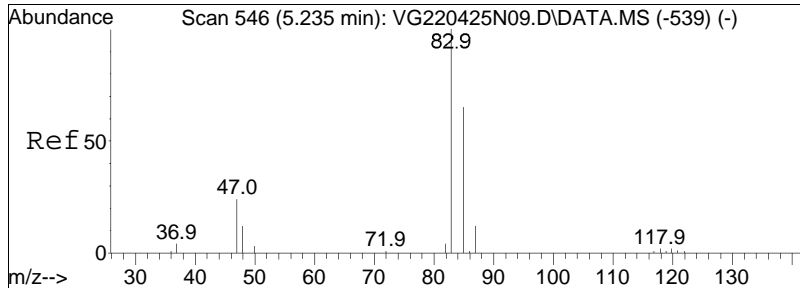




#28
 cis-1,2-Dichloroethene
 Concen: 10.12 ug/L
 RT: 4.954 min Scan# 510
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

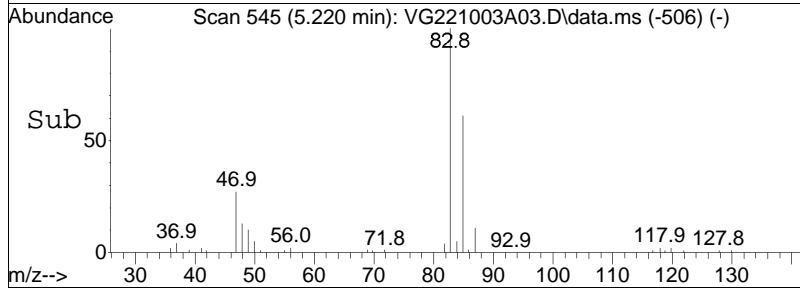
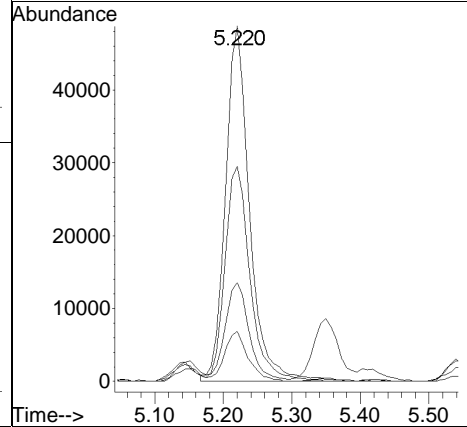
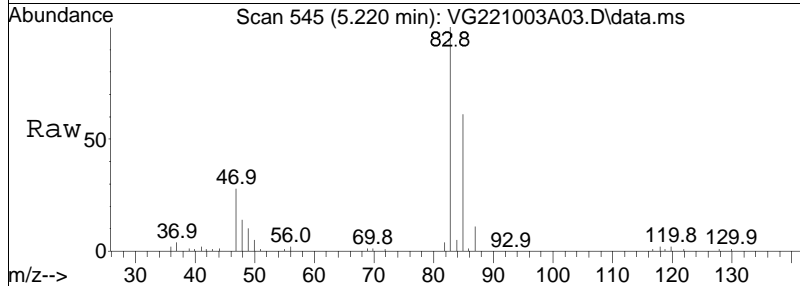
| Tgt Ion: | 96 | Resp: | 73378 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 134.9 | 96.6 | 144.8 |
| 98 | 62.7 | 51.3 | 76.9 |

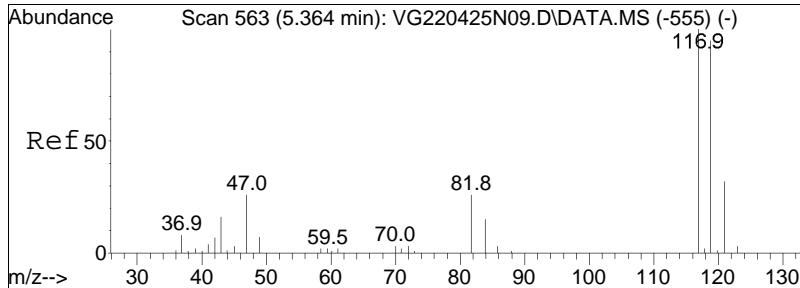




#32
 Chloroform
 Concen: 9.74 ug/L
 RT: 5.220 min Scan# 545
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

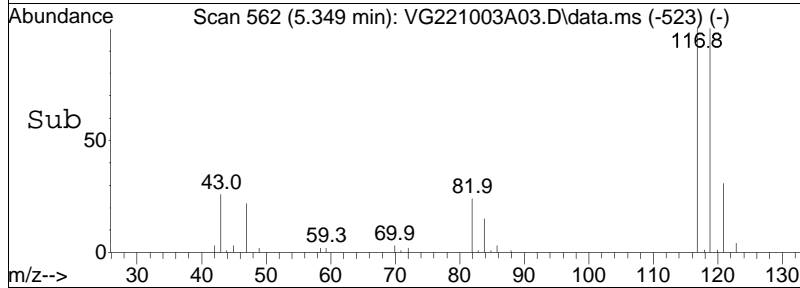
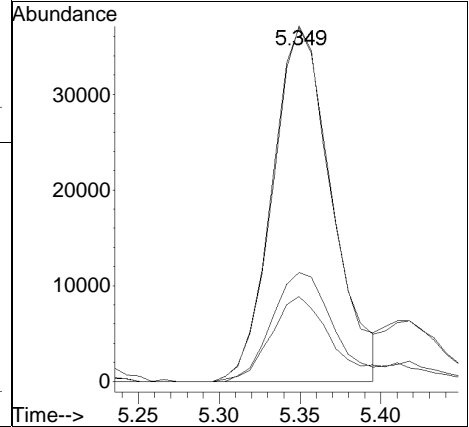
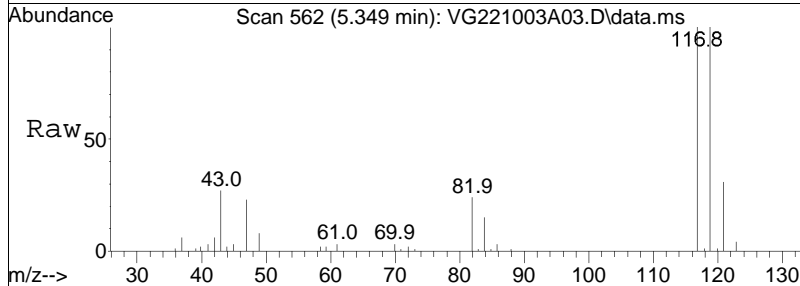
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 119375 | | |
| 85 | 61.3 | 41.4 | 86.0 |
| 47 | 28.0 | 15.1 | 31.3 |
| 48 | 13.8 | 7.7 | 16.1 |

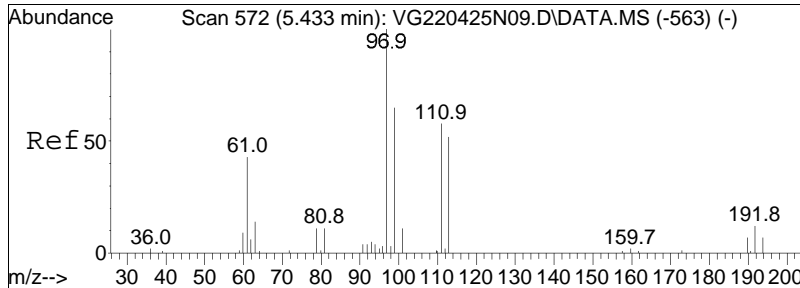




#34
 Carbon tetrachloride
 Concen: 10.00 ug/L
 RT: 5.349 min Scan# 562
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

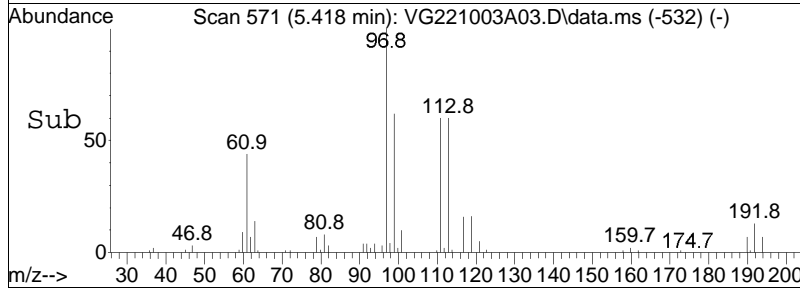
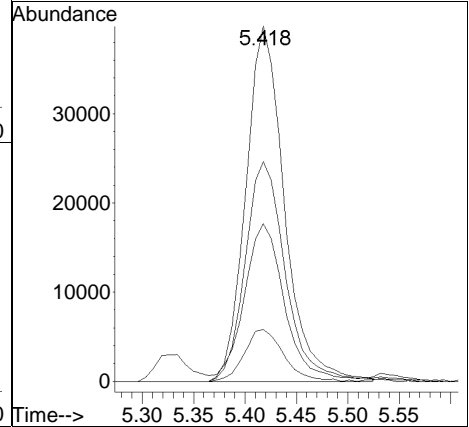
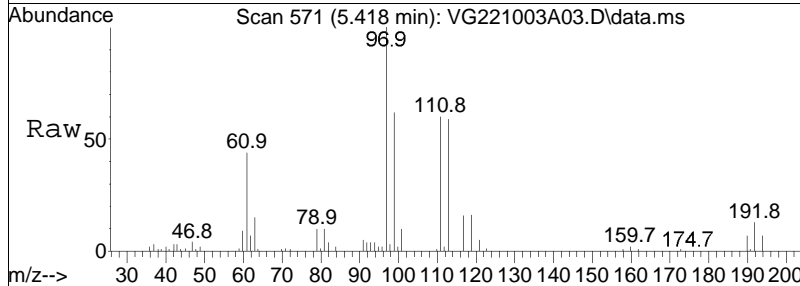
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 99.0 | 63.2 | 131.2 |
| 121 | 31.3 | 20.4 | 42.4 |
| 82 | 28.3 | 15.4 | 32.0 |

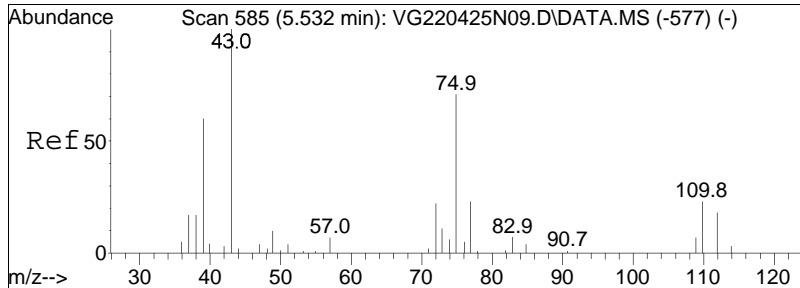




#37
 1,1,1-Trichloroethane
 Concen: 9.59 ug/L
 RT: 5.418 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

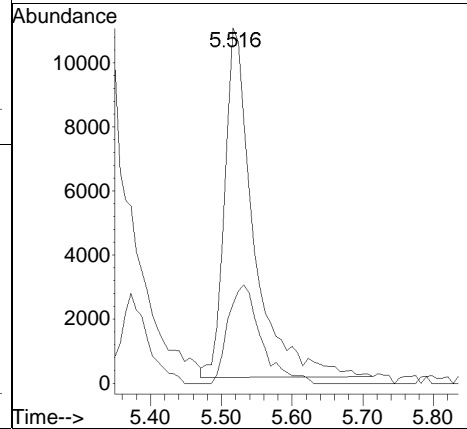
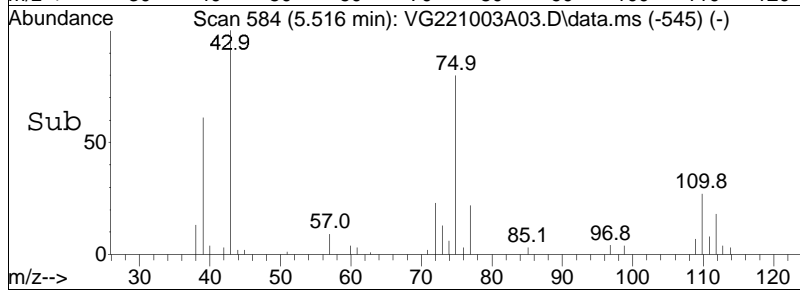
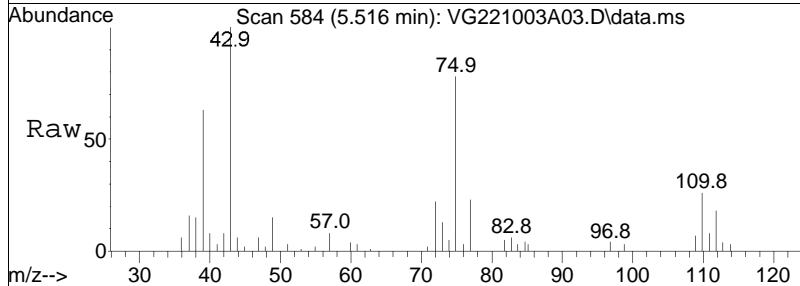
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 97 | 104127 | | |
| 99 | 64.4 | 41.3 | 85.7 |
| 61 | 46.4 | 26.0 | 54.0 |
| 63 | 15.0 | 8.6 | 18.0 |

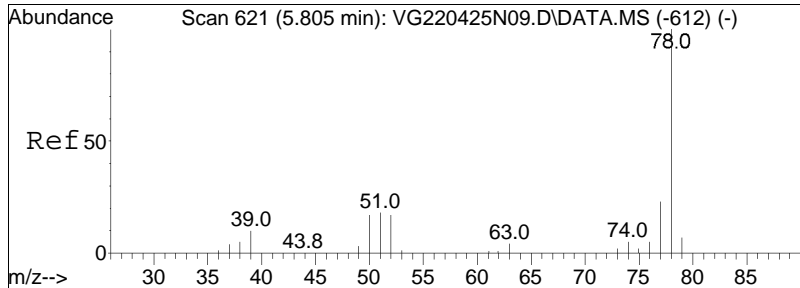




#39
 2-Butanone
 Concen: 7.63 ug/L
 RT: 5.516 min Scan# 584
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

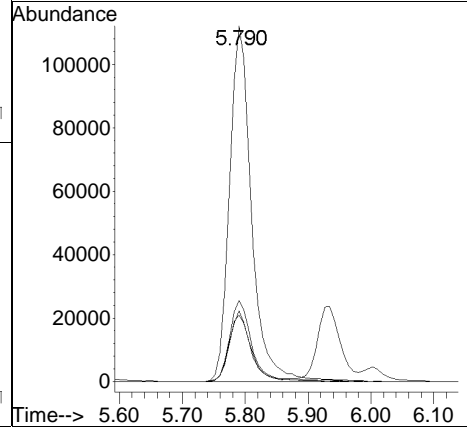
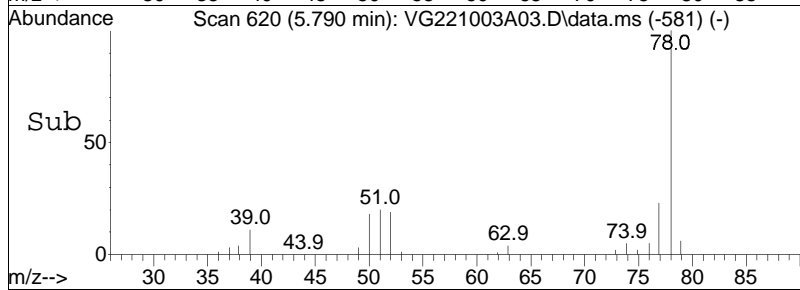
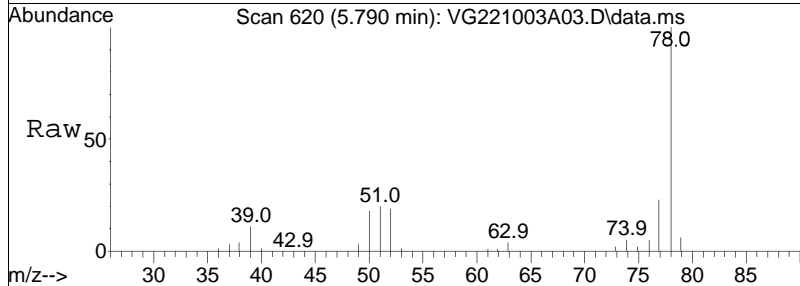
Tgt Ion: 43 Resp: 31194
 Ion Ratio Lower Upper
 43 100
 72 32.1 42.6 63.8#

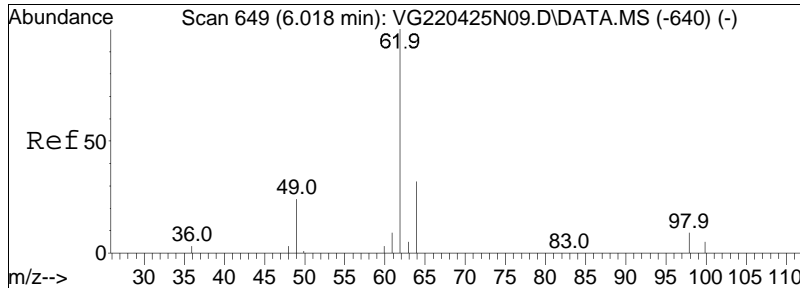




#41
 Benzene
 Concen: 10.29 ug/L
 RT: 5.790 min Scan# 620
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

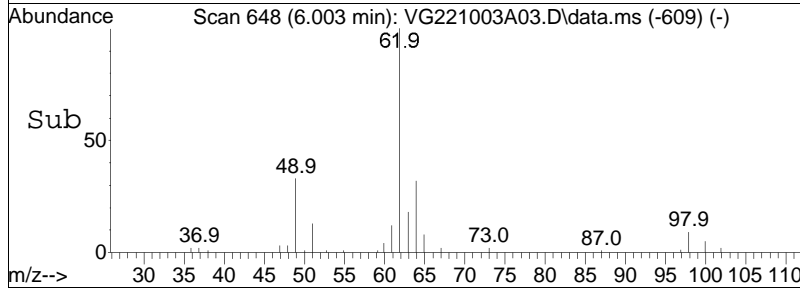
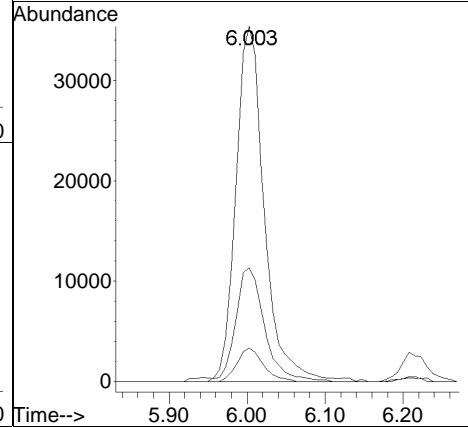
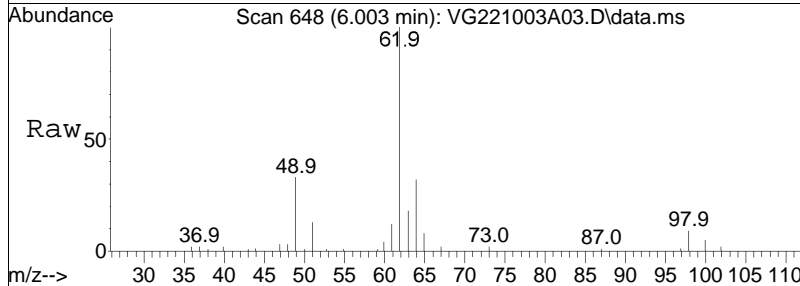
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 22.6 | 15.5 | 32.1 |
| 51 | 19.1 | 9.9 | 20.7 |
| 52 | 18.6 | 9.2 | 19.2 |

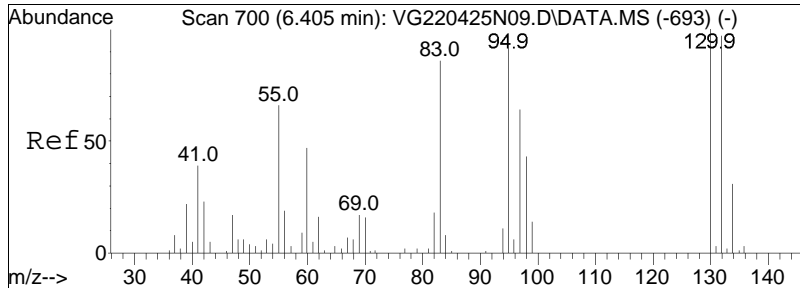




#44
 1,2-Dichloroethane
 Concen: 9.08 ug/L
 RT: 6.003 min Scan# 648
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

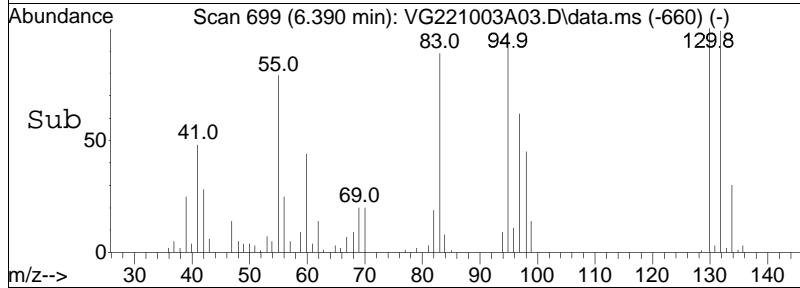
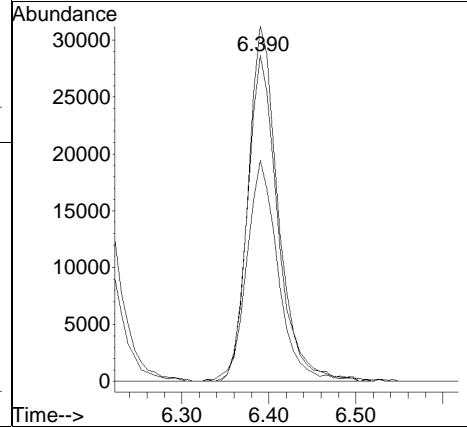
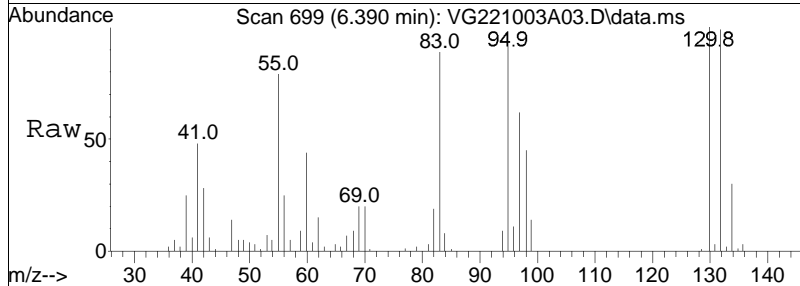
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.3 | 11.9 | 51.9 |
| 98 | 8.7 | 0.0 | 29.3 |

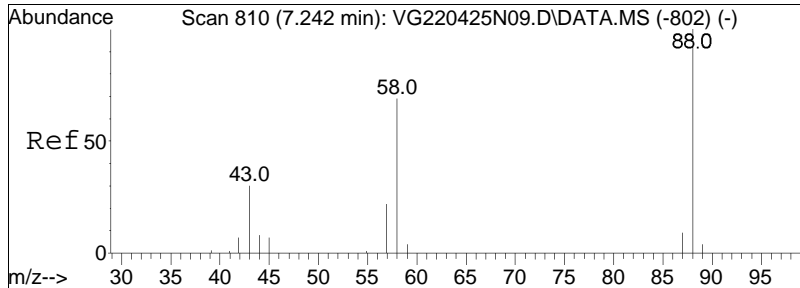




#48
 Trichloroethene
 Concen: 9.52 ug/L
 RT: 6.390 min Scan# 699
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

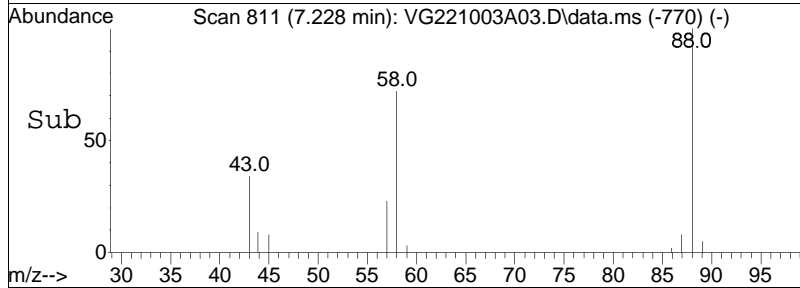
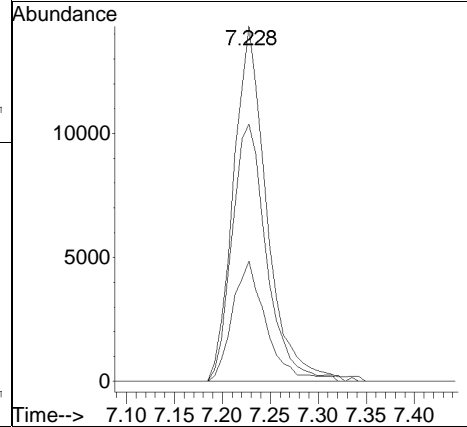
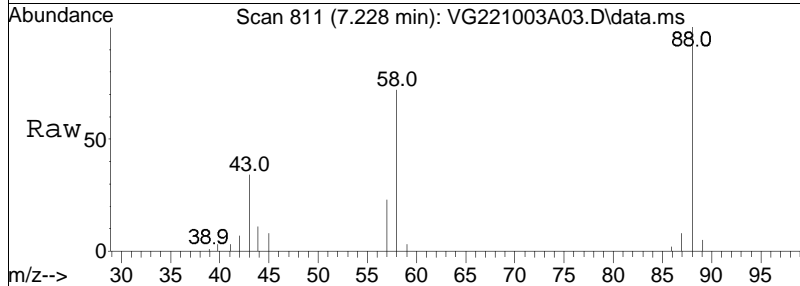
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 69491 | | |
| 95 | 100 | | |
| 97 | 70.4 | 54.0 | 81.0 |
| 130 | 108.4 | 85.0 | 127.4 |

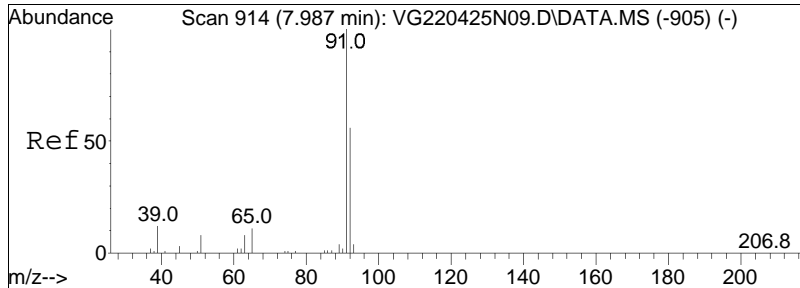




#57
 1,4-Dioxane
 Concen: 388.02 ug/L
 RT: 7.228 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

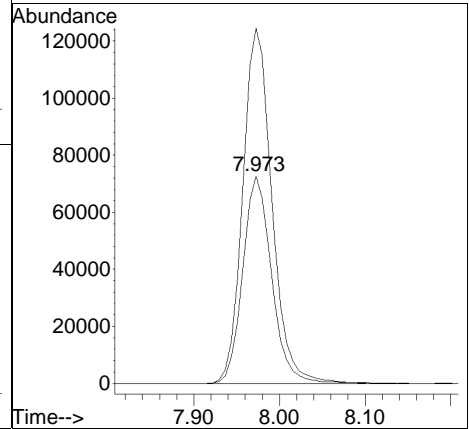
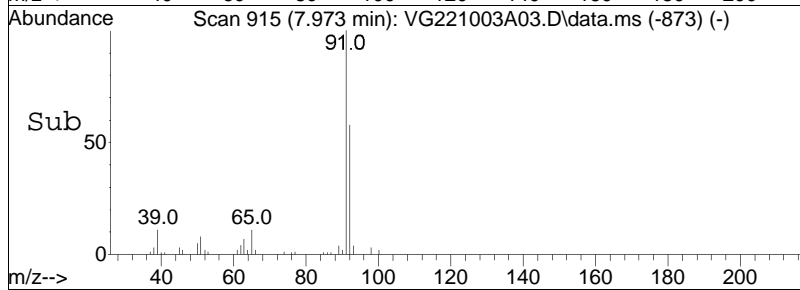
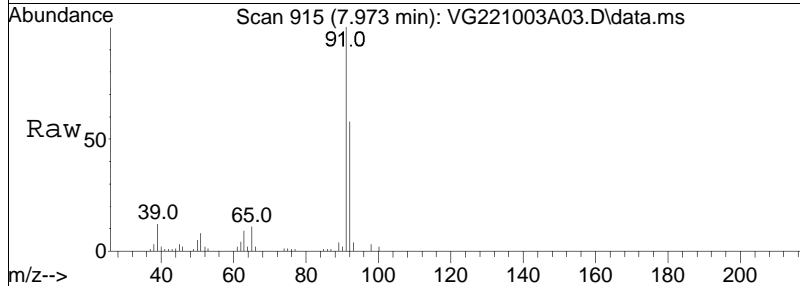
| Tgt Ion: | 88 | Resp: | 34730 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 74.9 | 48.7 | 73.1# |
| 43 | 34.8 | 22.4 | 33.6# |

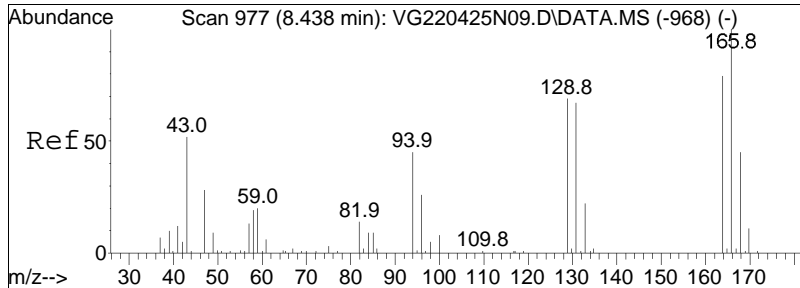




#61
 Toluene
 Concen: 9.70 ug/L
 RT: 7.973 min Scan# 915
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

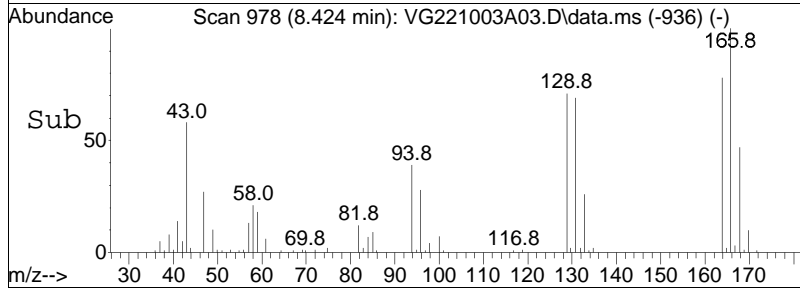
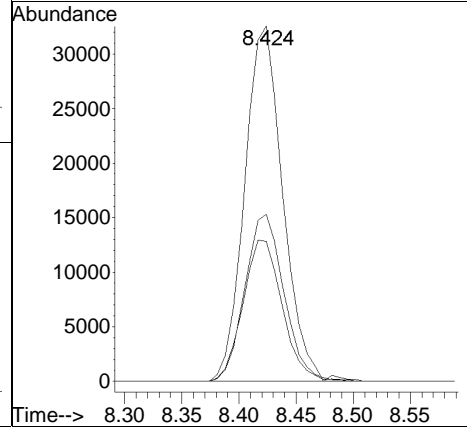
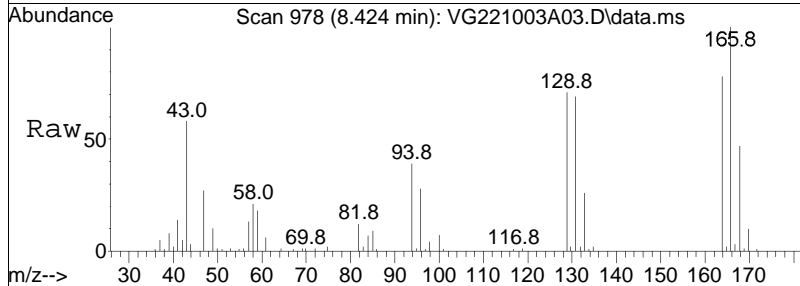
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 92 | 169596 | | |
| 92 | 100 | | |
| 91 | 173.5 | 134.8 | 202.2 |

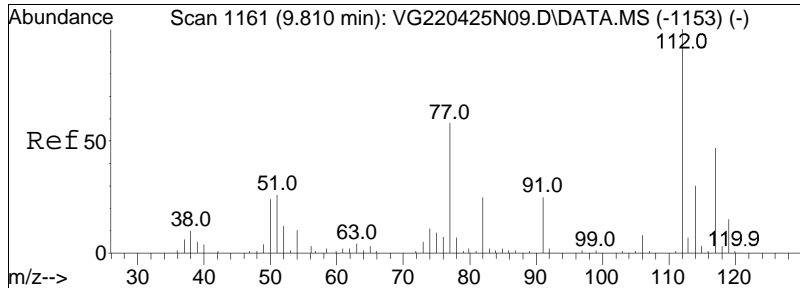




#63
 Tetrachloroethene
 Concen: 9.89 ug/L
 RT: 8.424 min Scan# 978
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

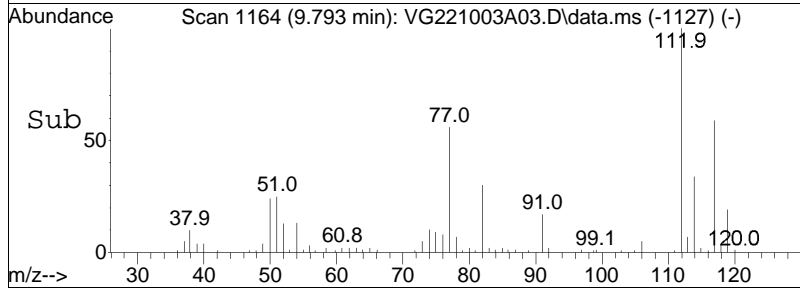
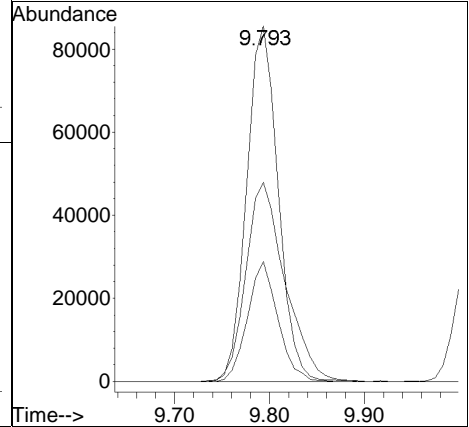
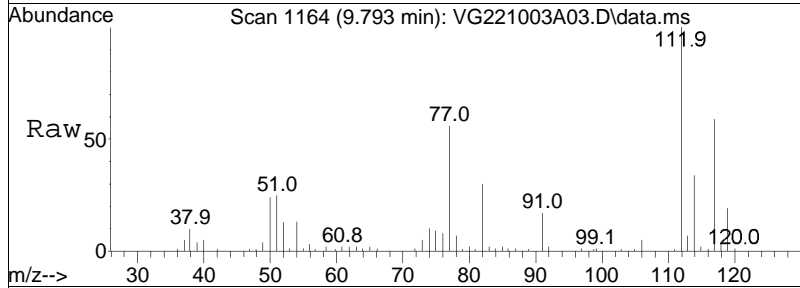
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 48.1 | 27.3 | 67.3 |
| 94 | 40.9 | 20.5 | 60.5 |

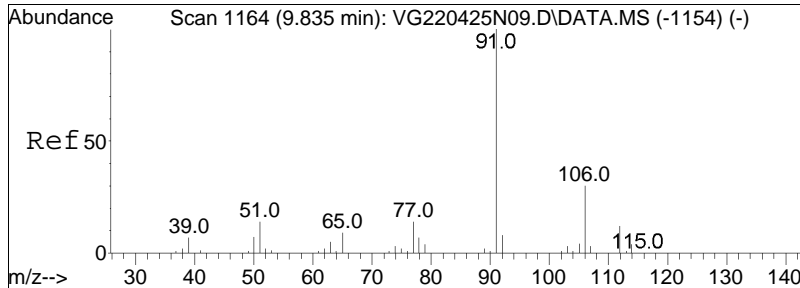




#73
 Chlorobenzene
 Concen: 10.41 ug/L
 RT: 9.793 min Scan# 1164
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

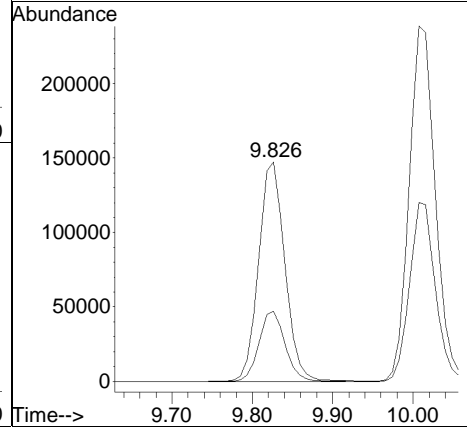
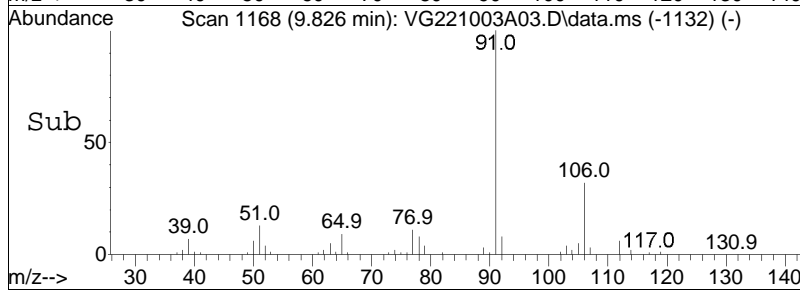
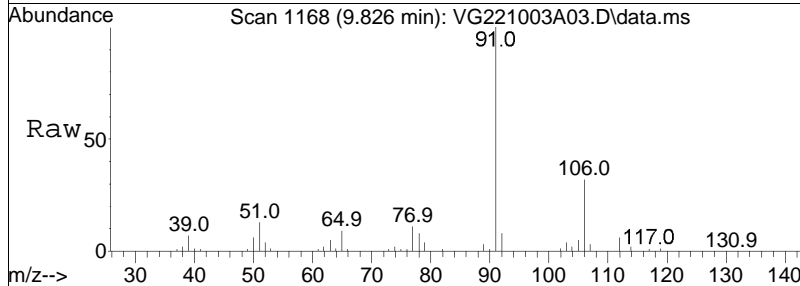
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 112 | 196842 | | |
| 77 | 69.7 | 55.9 | 83.9 |
| 114 | 32.5 | 25.4 | 38.0 |

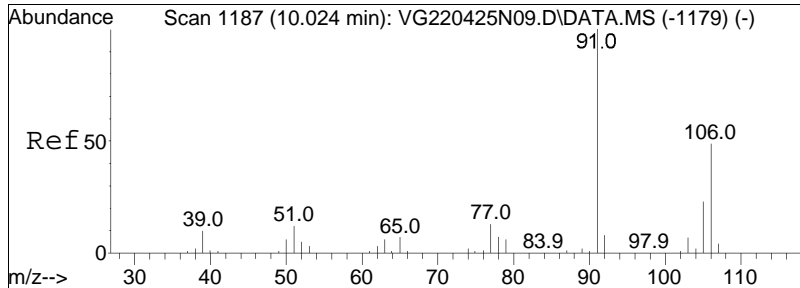




#74
 Ethylbenzene
 Concen: 9.74 ug/L
 RT: 9.826 min Scan# 1168
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

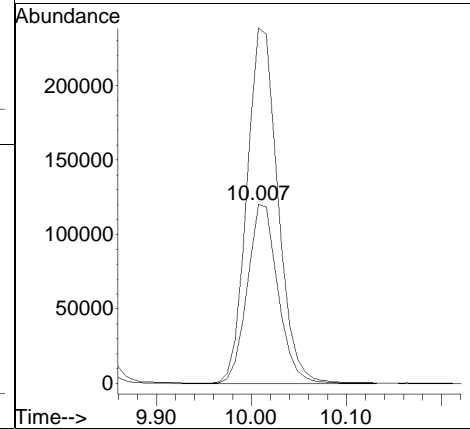
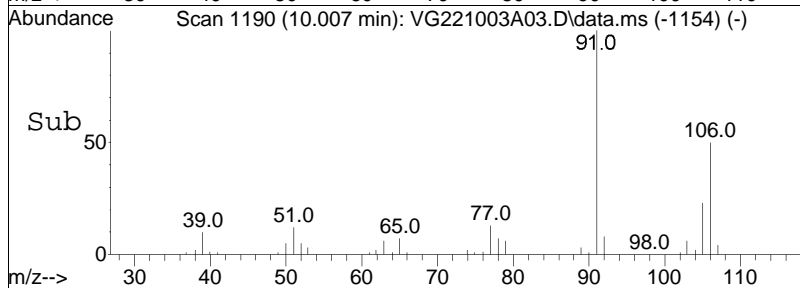
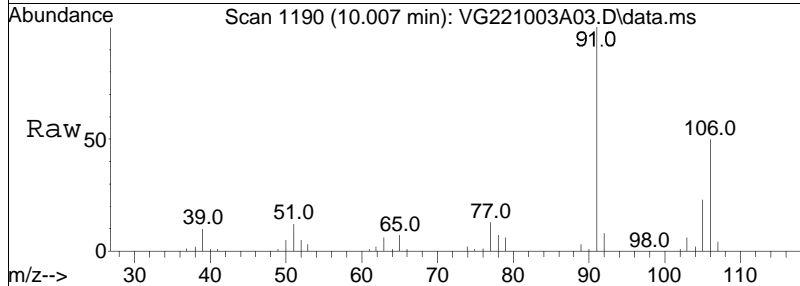
Tgt Ion: 91 Resp: 335135
 Ion Ratio Lower Upper
 91 100
 106 31.7 25.3 37.9

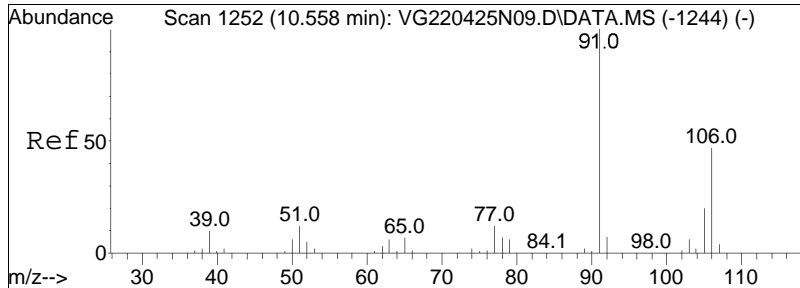




#76
 p/m Xylene
 Concen: 20.40 ug/L
 RT: 10.007 min Scan# 1190
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

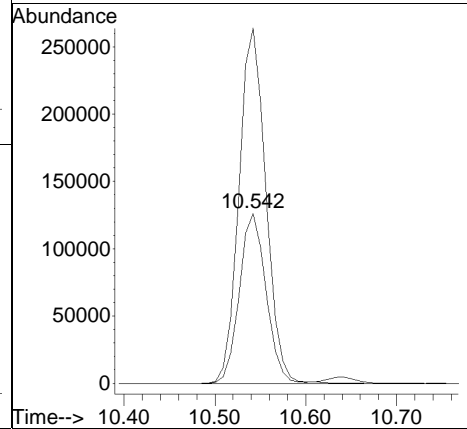
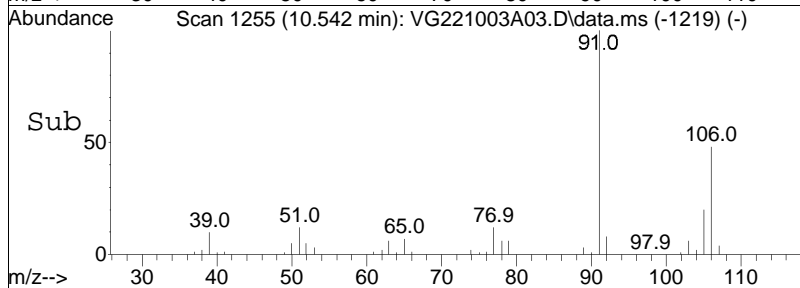
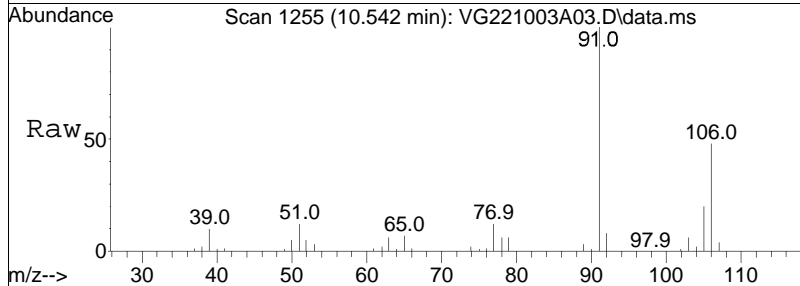
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 200.5 | 157.1 | 235.7 |

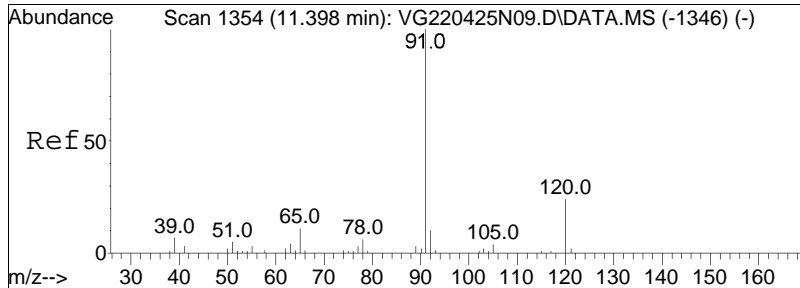




#77
 o Xylene
 Concen: 20.29 ug/L
 RT: 10.542 min Scan# 1255
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

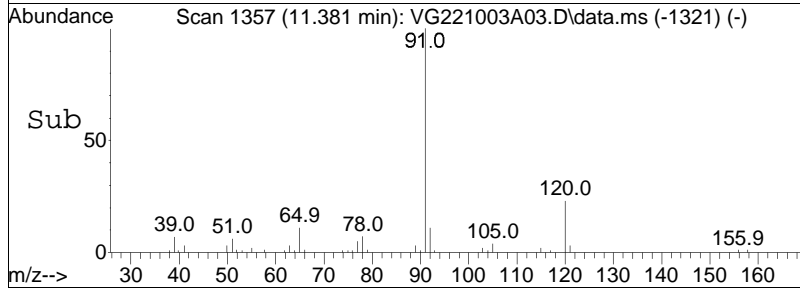
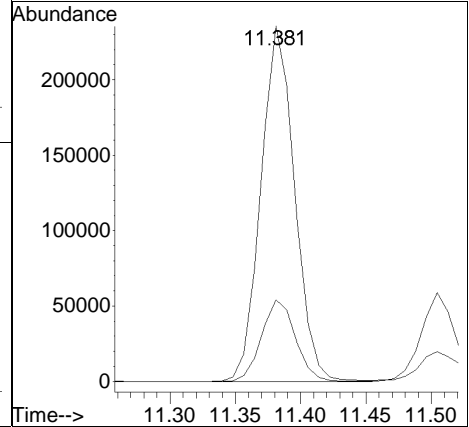
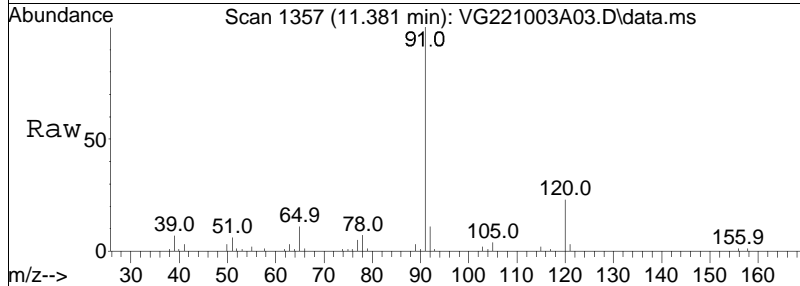
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 208.6 | 164.7 | 247.1 |

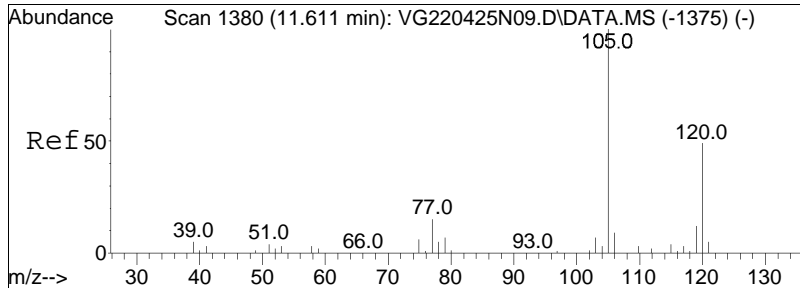




#85
 n-Propylbenzene
 Concen: 10.32 ug/L
 RT: 11.381 min Scan# 1357
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

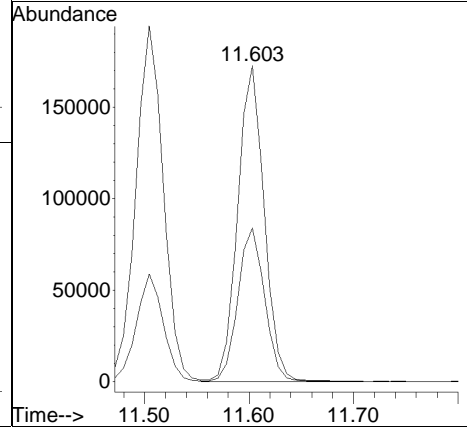
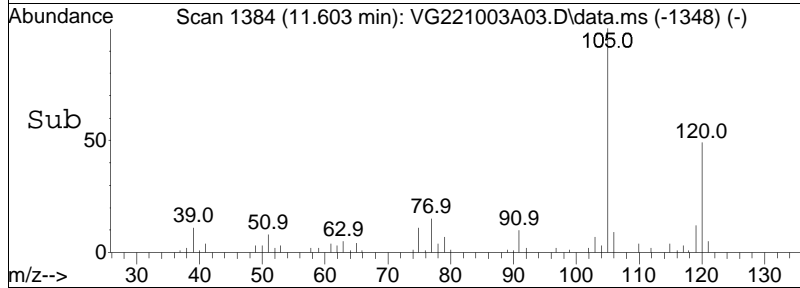
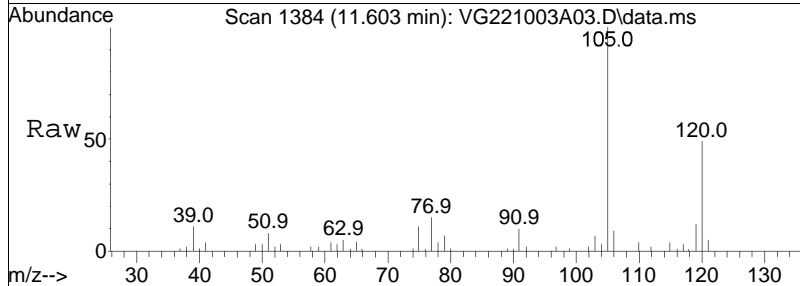
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 120 | 23.0 | 19.0 | 28.6 |

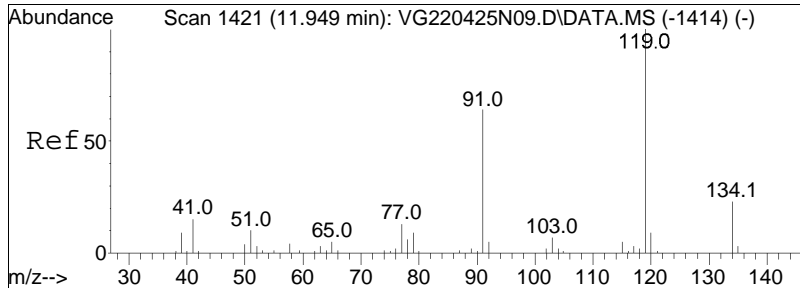




#90
 1,3,5-Trimethylbenzene
 Concen: 10.41 ug/L
 RT: 11.603 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

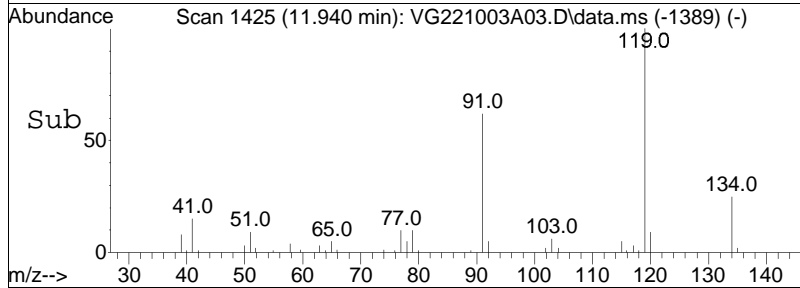
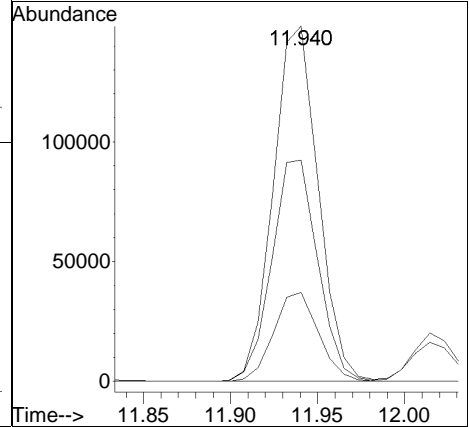
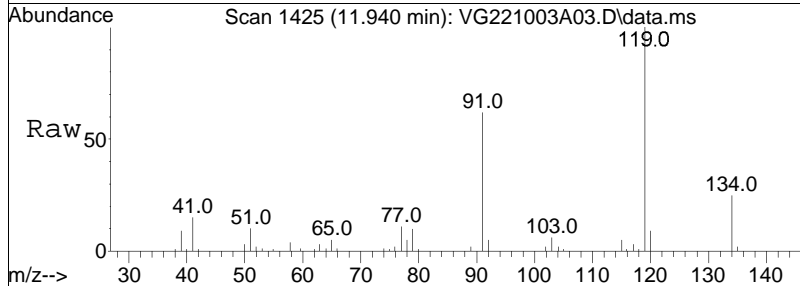
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 49.1 | 40.3 | 60.5 |

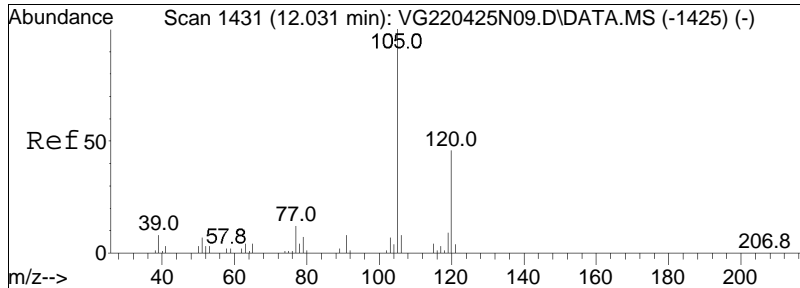




#94
 tert-Butylbenzene
 Concen: 10.80 ug/L
 RT: 11.940 min Scan# 1425
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

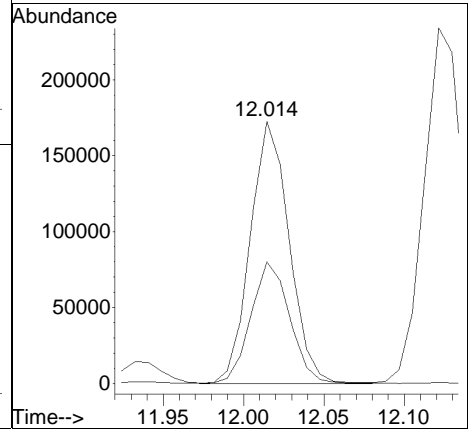
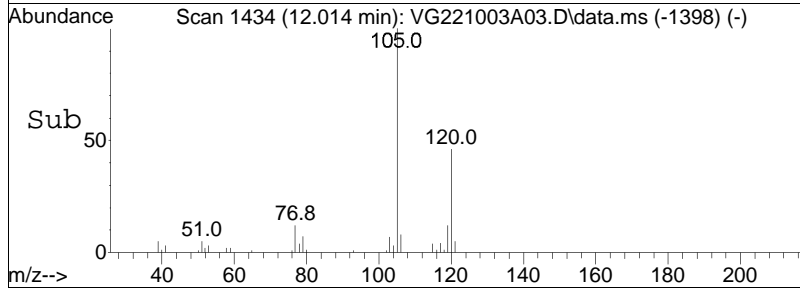
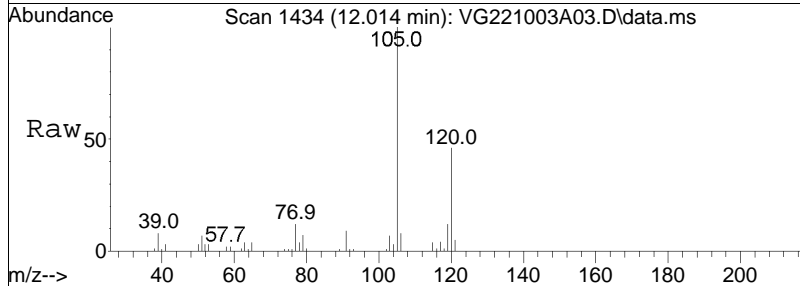
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 266841 | | |
| 119 | 100 | | |
| 91 | 63.6 | 50.8 | 76.2 |
| 134 | 25.0 | 20.2 | 30.4 |

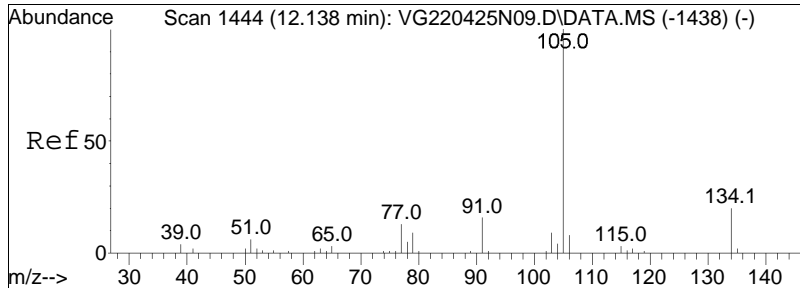




#97
 1,2,4-Trimethylbenzene
 Concen: 10.26 ug/L
 RT: 12.014 min Scan# 1434
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

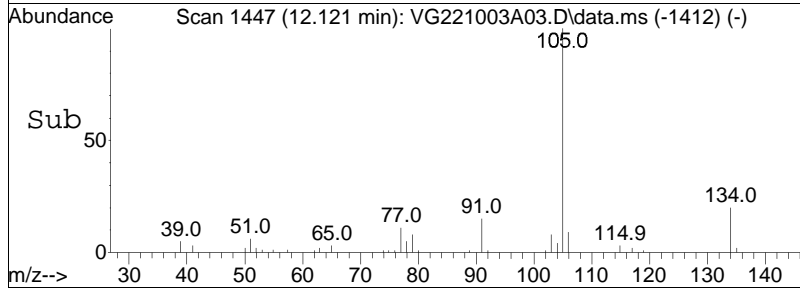
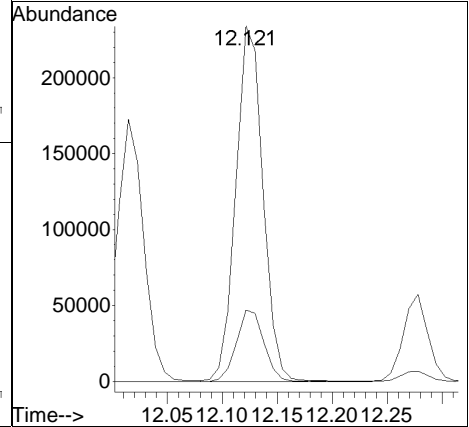
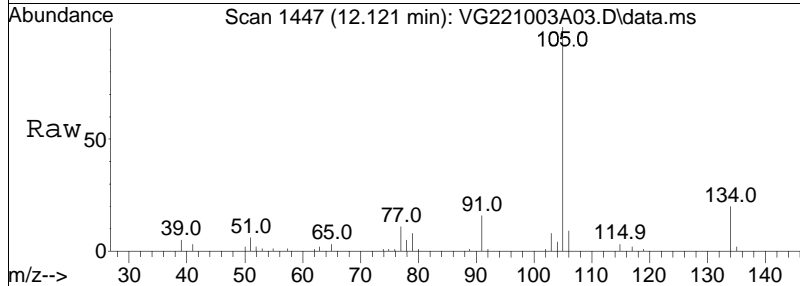
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 46.3 | 37.8 | 56.6 |

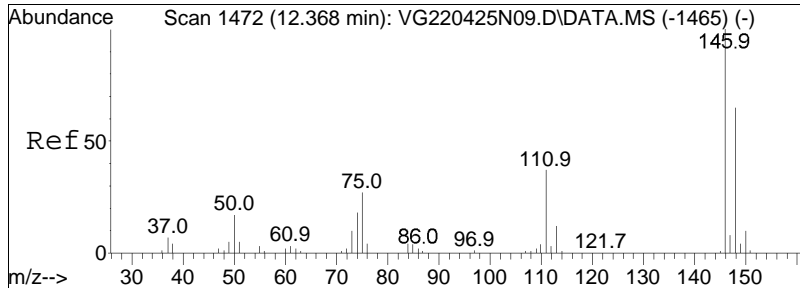




#98
 sec-Butylbenzene
 Concen: 11.01 ug/L
 RT: 12.121 min Scan# 1447
 Delta R.T. -0.008 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

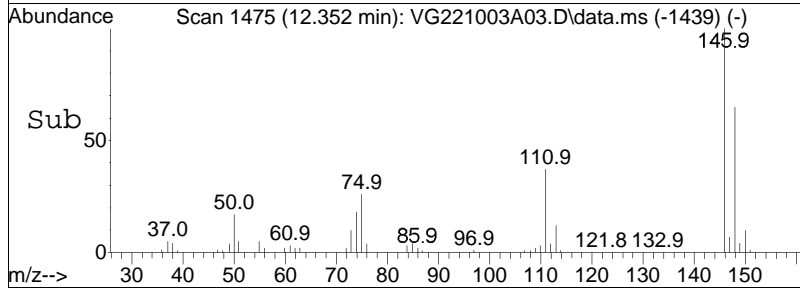
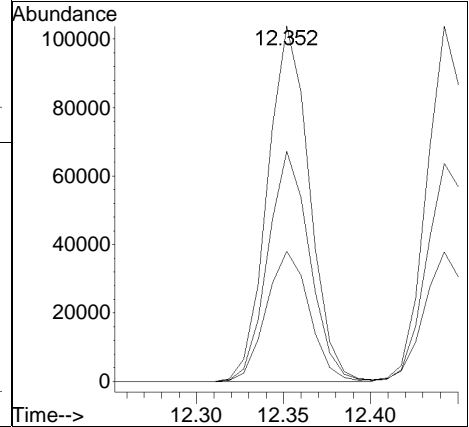
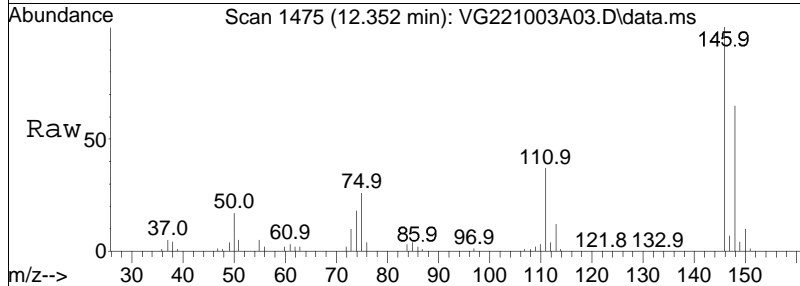
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 105 | Resp: | 402465 |
| Ion Ratio | Lower | Upper | |
| 105 | 100 | | |
| 134 | 20.2 | 13.3 | 27.7 |

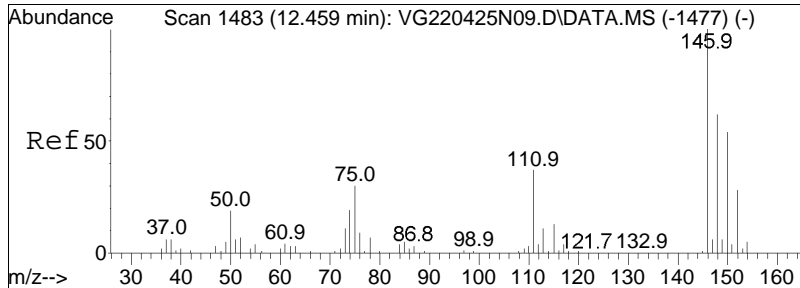




#100
 1,3-Dichlorobenzene
 Concen: 10.78 ug/L
 RT: 12.352 min Scan# 1475
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

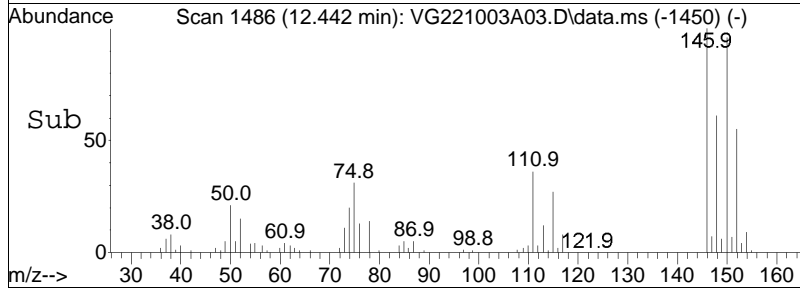
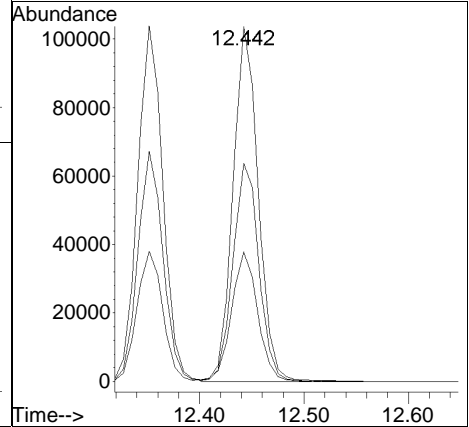
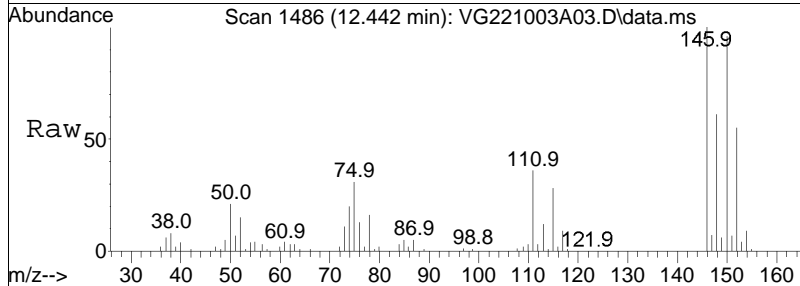
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 37.5 | 24.4 | 50.6 |
| 148 | 64.6 | 41.0 | 85.2 |

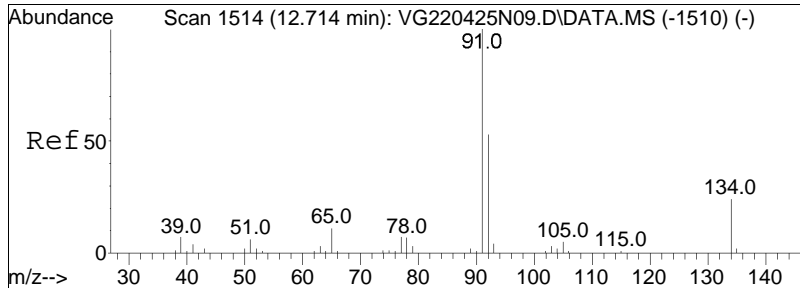




#101
 1,4-Dichlorobenzene
 Concen: 10.62 ug/L
 RT: 12.442 min Scan# 1486
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

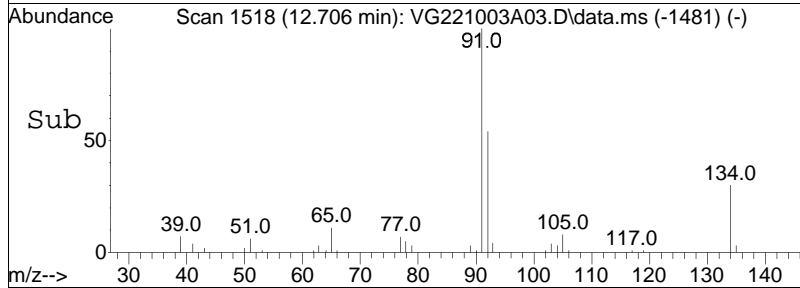
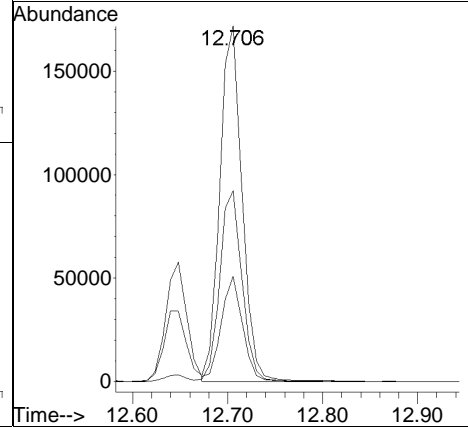
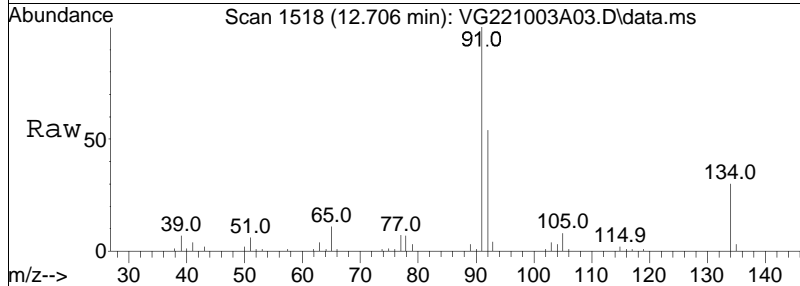
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 37.9 | 29.3 | 43.9 |
| 148 | 63.1 | 51.2 | 76.8 |

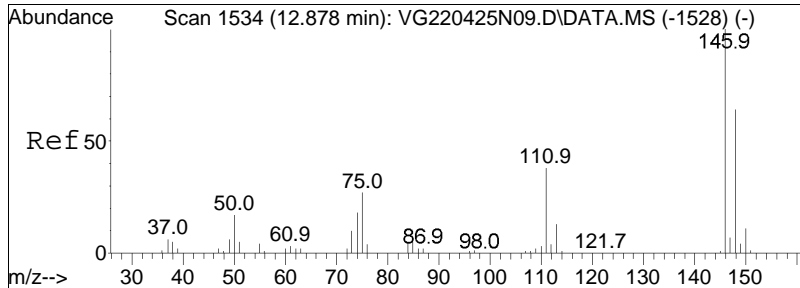




#103
 n-Butylbenzene
 Concen: 10.93 ug/L
 RT: 12.706 min Scan# 1518
 Delta R.T. -0.000 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

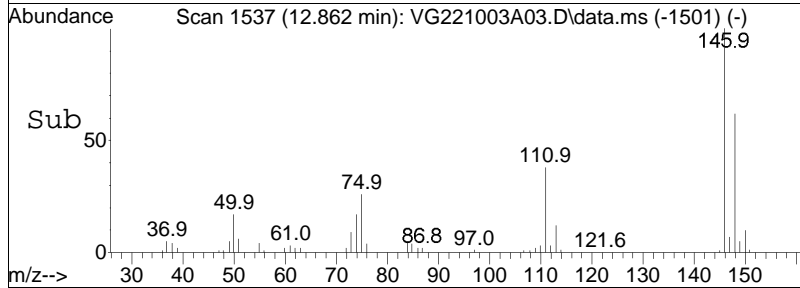
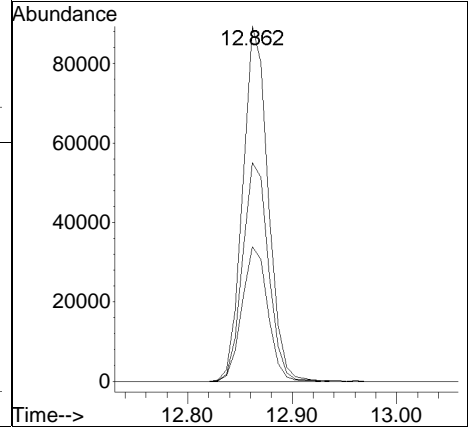
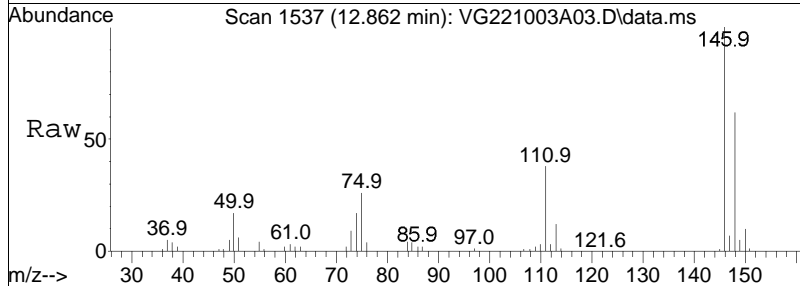
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 92 | 53.5 | 43.8 | 65.8 |
| 134 | 28.4 | 22.0 | 33.0 |





#104
 1,2-Dichlorobenzene
 Concen: 9.74 ug/L
 RT: 12.862 min Scan# 1537
 Delta R.T. -0.008 min
 Lab File: VG221003A03.D
 Acq: 3 Oct 2022 10:17 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 38.5 | 25.4 | 52.8 |
| 148 | 62.9 | 41.7 | 86.5 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A26.D
 Acq On : 01 Oct 2022 05:39 pm
 Operator : VOA130:MKS
 Sample : WG1694829-6,31,10,10,,a1
 Misc : WG1694829,ICAL19274
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 08:53:03 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 268369 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 288309 | | | Recovery = | 93.08% | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 208169 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 231257 | | | Recovery = | 90.02% | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.979 | 152 | 108985 | 10.000 | ug/L | -0.01 |
| Standard Area 1 = 116817 | | | Recovery = | 93.30% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 73001 | 10.300 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.00% | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 66884 | 8.596 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 85.96% | | |
| 60) Toluene-d8 | 7.191 | 98 | 268632 | 9.935 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.35% | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 98056 | 9.490 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.90% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 122999 | 19.670 | ug/L | 95 |
| 10) 1,1-Dichloroethene | 1.853 | 96 | 65743 | 12.866 | ug/L # | 73 |
| 15) Methylene chloride | 2.338 | 84 | 71080 | 12.408 | ug/L | 75 |
| 17) Acetone | 2.397 | 43 | 8094 | 9.138 | ug/L # | 78 |
| 18) trans-1,2-Dichloroethene | 2.483 | 96 | 67991 | 12.301 | ug/L | 77 |
| 20) Methyl tert-butyl ether | 2.617 | 73 | 92685 | 8.610 | ug/L | 91 |
| 23) 1,1-Dichloroethane | 3.116 | 63 | 135390 | 12.259 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 188950 | 29.757 | ug/L # | 74 |
| 32) Chloroform | 4.246 | 83 | 123433 | 11.398 | ug/L # | 94 |
| 34) Carbon tetrachloride | 4.363 | 117 | 90968 | 11.825 | ug/L # | 95 |
| 37) 1,1,1-Trichloroethane | 4.466 | 97 | 95852 | 10.651 | ug/L # | 96 |
| 39) 2-Butanone | 4.686 | 43 | 10484 | 7.741 | ug/L # | 85 |
| 41) Benzene | 4.954 | 78 | 268469 | 11.801 | ug/L | 92 |
| 44) 1,2-Dichloroethane | 5.214 | 62 | 73809 | 9.260 | ug/L | 98 |
| 48) Trichloroethene | 5.676 | 95 | 67545 | 11.409 | ug/L | 100 |
| 57) 1,4-Dioxane | 6.583 | 88 | 13146 | 661.364 | ug/L # | 72 |
| 61) Toluene | 7.241 | 92 | 175058 | 11.583 | ug/L | 97 |
| 63) Tetrachloroethene | 7.595 | 166 | 71401 | 11.152 | ug/L | 93 |
| 73) Chlorobenzene | 8.501 | 112 | 191724 | 11.488 | ug/L | 92 |
| 74) Ethylbenzene | 8.546 | 91 | 334525 | 11.366 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A26.D
 Acq On : 01 Oct 2022 05:39 pm
 Operator : VOA130:MKS
 Sample : WG1694829-6,31,10,10,,a1
 Misc : WG1694829,ICAL19274
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 08:53:03 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 8.652 | 106 | 259304 | 23.688 | ug/L | 98 |
| 77) o Xylene | 8.936 | 106 | 245399 | 22.959 | ug/L | 94 |
| 85) n-Propylbenzene | 9.405 | 91 | 393763 | 11.194 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 9.530 | 105 | 252657 | 10.156 | ug/L | 91 |
| 94) tert-Butylbenzene | 9.717 | 119 | 247809 | 11.544 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 231867 | 9.478 | ug/L | 95 |
| 98) sec-Butylbenzene | 9.820 | 105 | 380785 | 11.841 | ug/L | 99 |
| 100) 1,3-Dichlorobenzene | 9.935 | 146 | 140865 | 10.145 | ug/L | 98 |
| 101) 1,4-Dichlorobenzene | 9.991 | 146 | 136068 | 9.745 | ug/L | 99 |
| 103) n-Butylbenzene | 10.150 | 91 | 255184 | 9.983 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.228 | 146 | 128853 | 9.899 | ug/L | 99 |

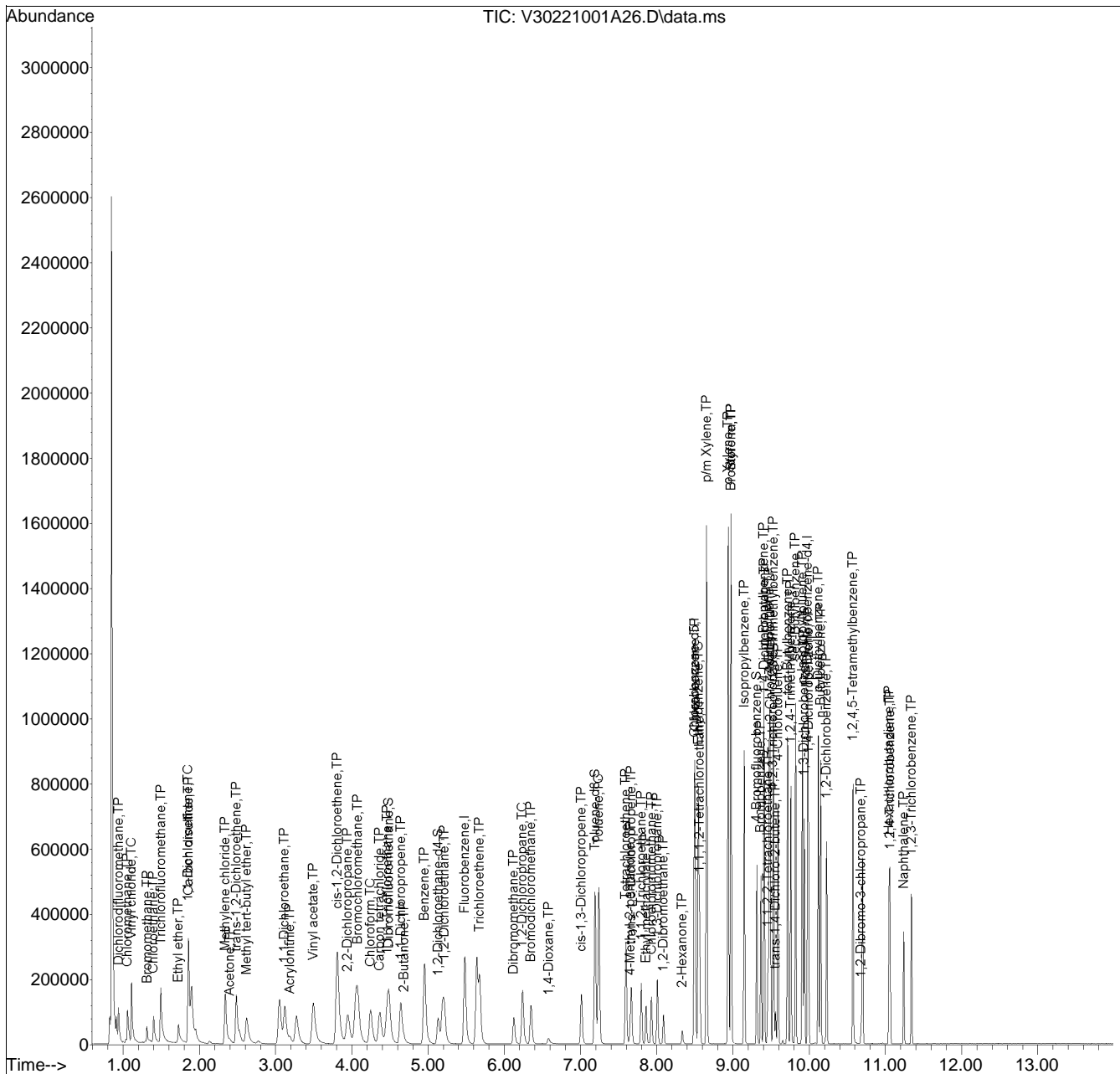
(#) = qualifier out of range (m) = manual integration (+) = signals summed

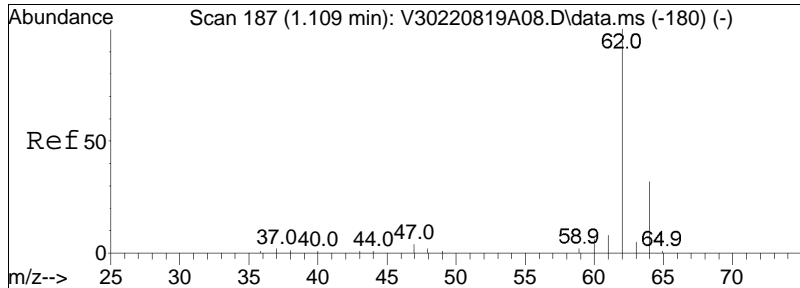
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A26.D
 Acq On : 01 Oct 2022 05:39 pm
 Operator : VOA130:MKS
 Sample : WG1694829-6,31,10,10,,a1
 Misc : WG1694829,ICAL19274
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 08:53:03 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

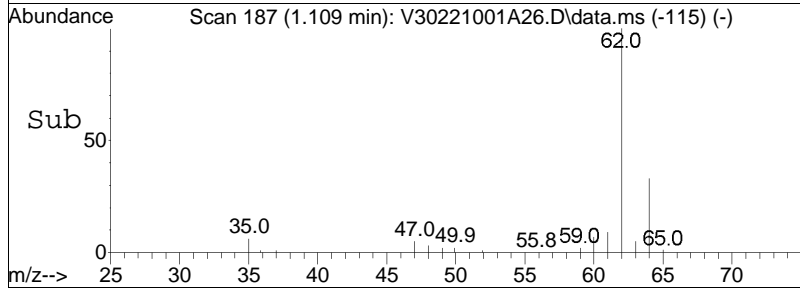
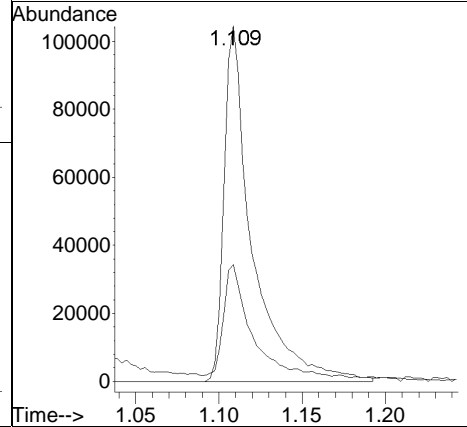
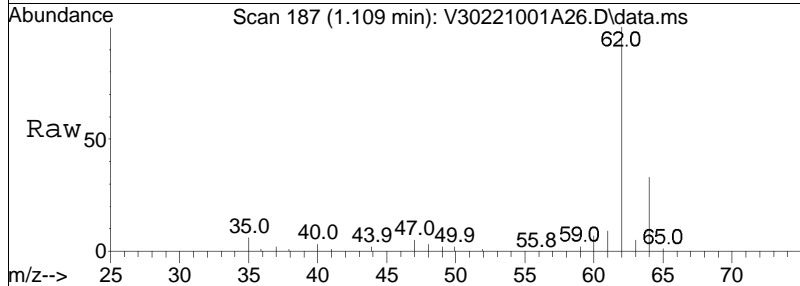
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

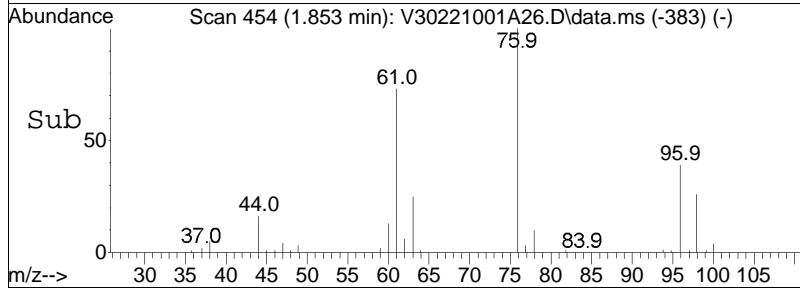
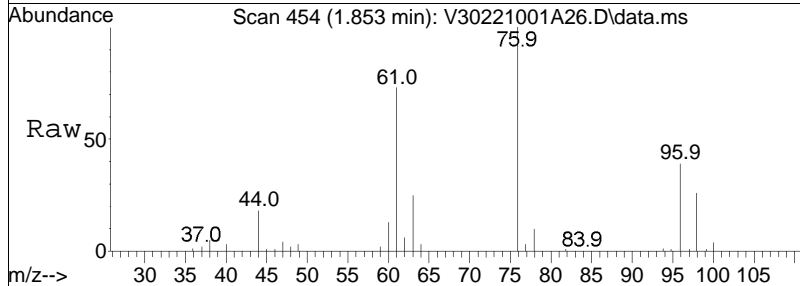
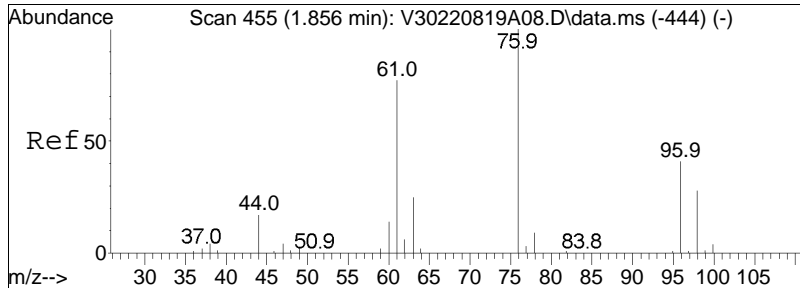




#4
 Vinyl chloride
 Concen: 19.67 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

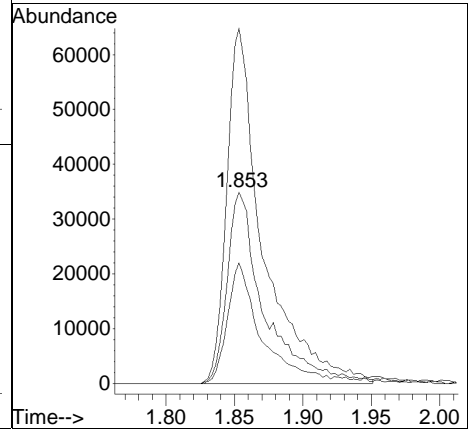
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 31.9 | 9.1 | 49.1 |

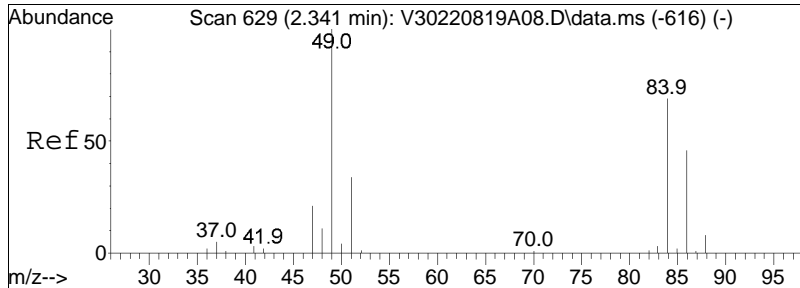




#10
 1,1-Dichloroethene
 Concen: 12.87 ug/L
 RT: 1.853 min Scan# 454
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

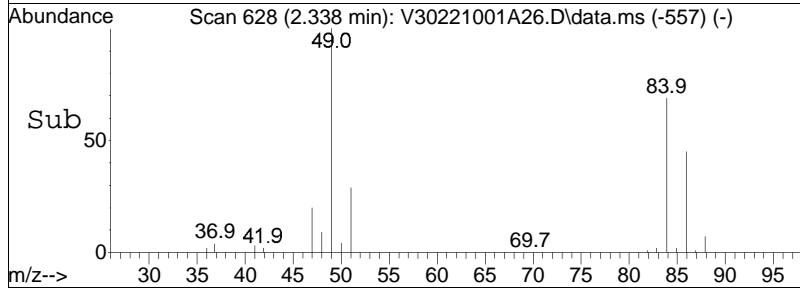
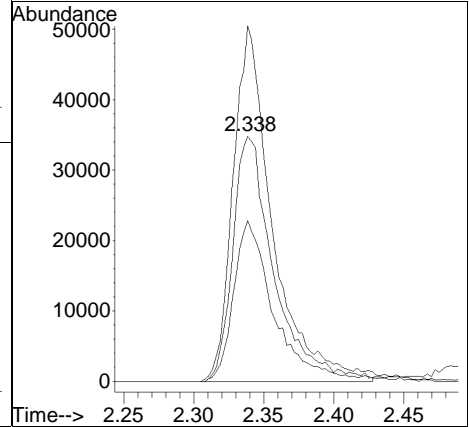
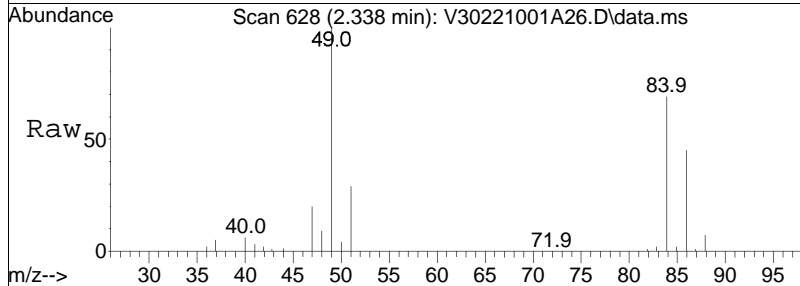
| Tgt Ion: | 96 | Resp: | 65743 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 181.6 | 186.1 | 279.1# |
| 63 | 57.5 | 57.6 | 86.4# |

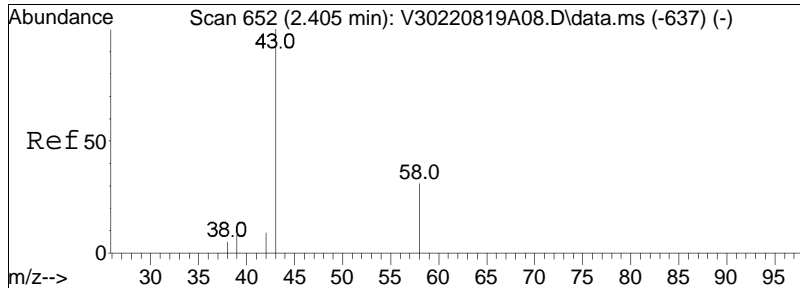




#15
 Methylene chloride
 Concen: 12.41 ug/L
 RT: 2.338 min Scan# 628
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

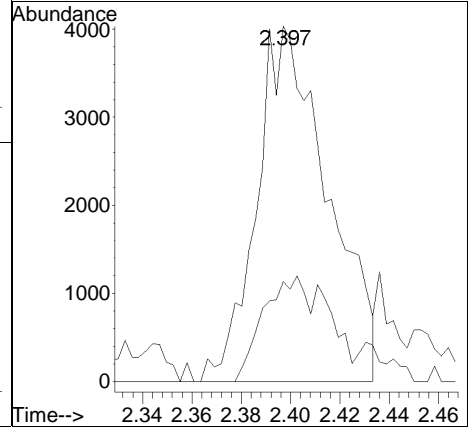
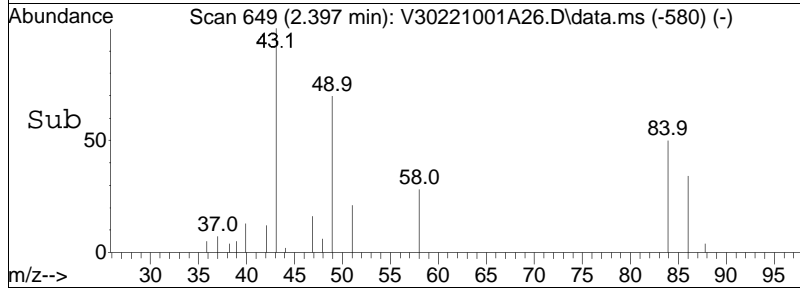
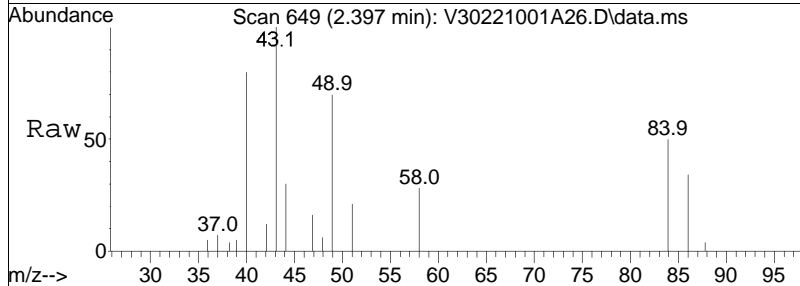
| Tgt Ion: | 84 | Resp: | 71080 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 63.5 | 40.4 | 83.8 |
| 49 | 137.1 | 120.0 | 249.2 |

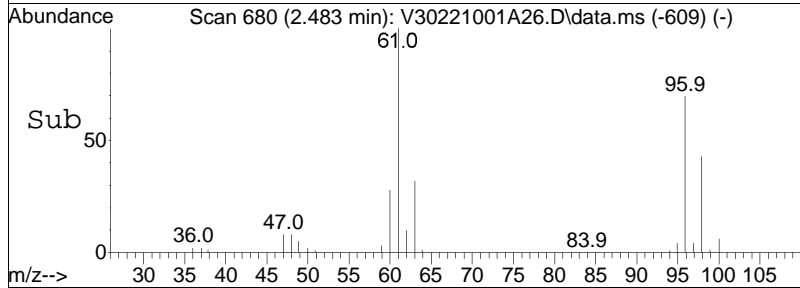
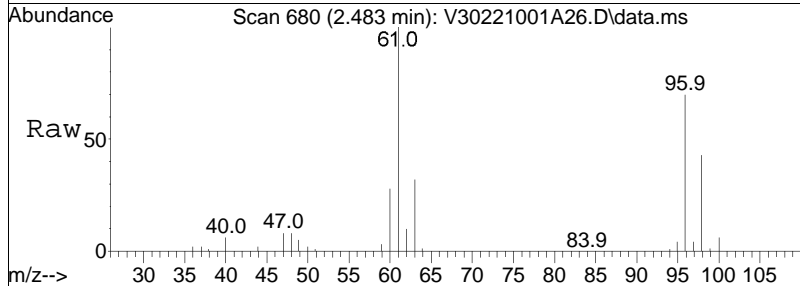
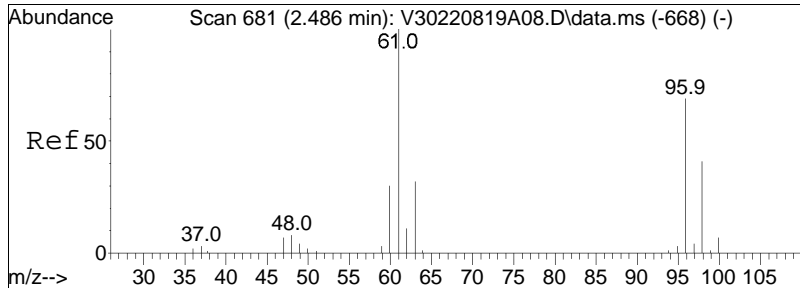




#17
 Acetone
 Concen: 9.14 ug/L
 RT: 2.397 min Scan# 649
 Delta R.T. -0.008 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

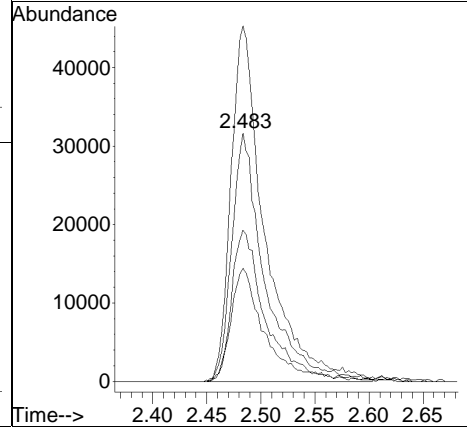
Tgt Ion: 43 Resp: 8094
 Ion Ratio Lower Upper
 43 100
 58 18.4 24.2 36.4#

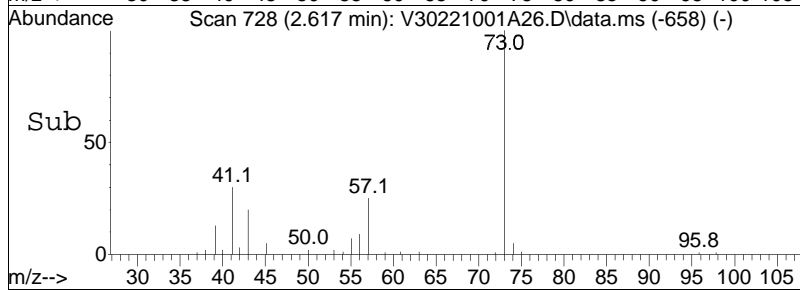
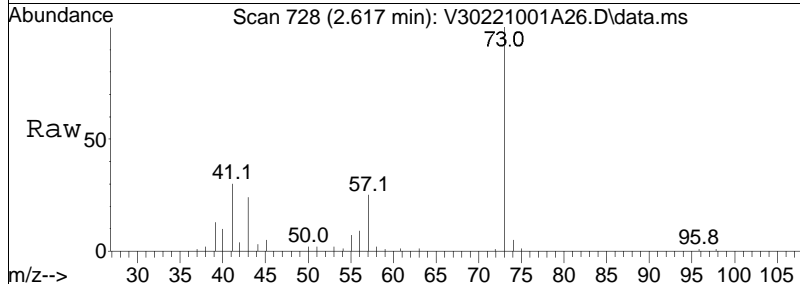
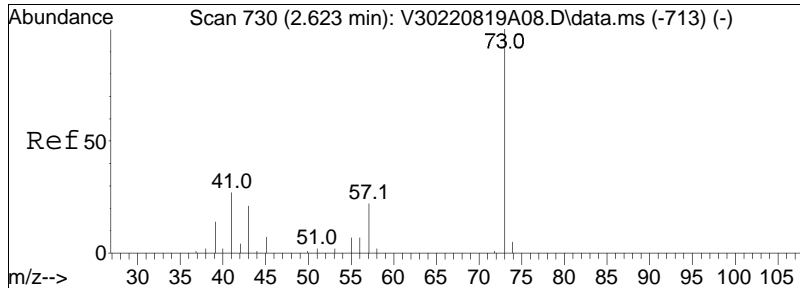




#18
 trans-1,2-Dichloroethene
 Concen: 12.30 ug/L
 RT: 2.483 min Scan# 680
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

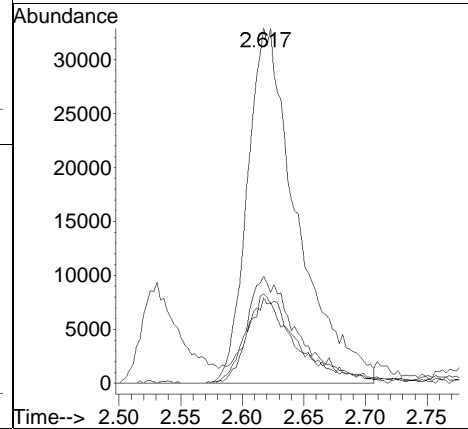
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 67991 | | |
| 96 | 100 | | |
| 61 | 144.1 | 124.0 | 257.6 |
| 98 | 61.6 | 41.2 | 85.6 |
| 63 | 45.8 | 38.4 | 79.7 |

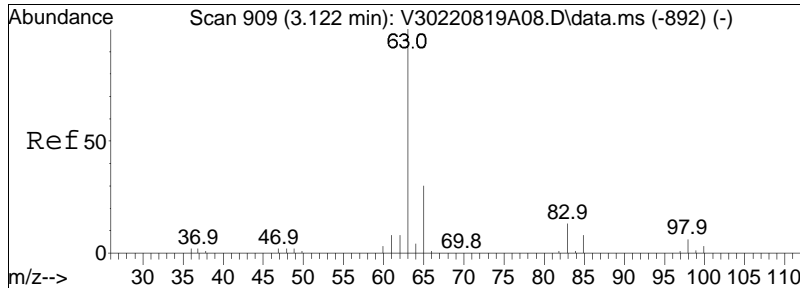




#20
 Methyl tert-butyl ether
 Concen: 8.61 ug/L
 RT: 2.617 min Scan# 728
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

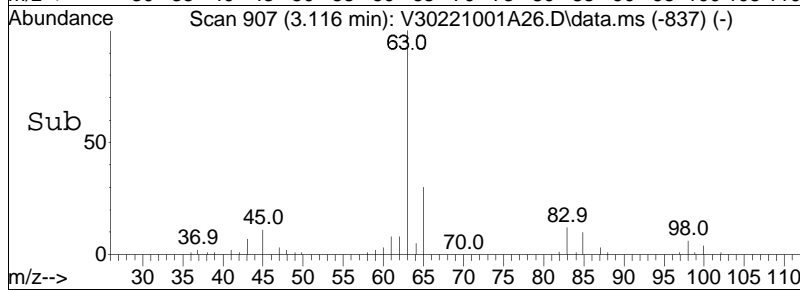
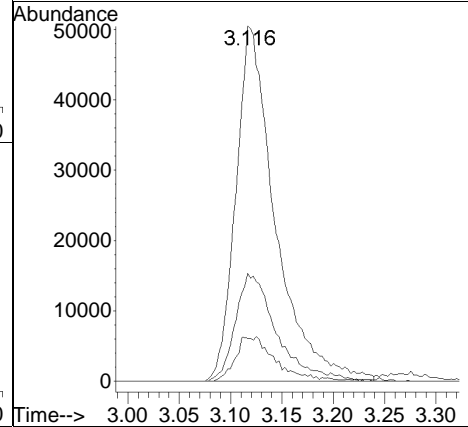
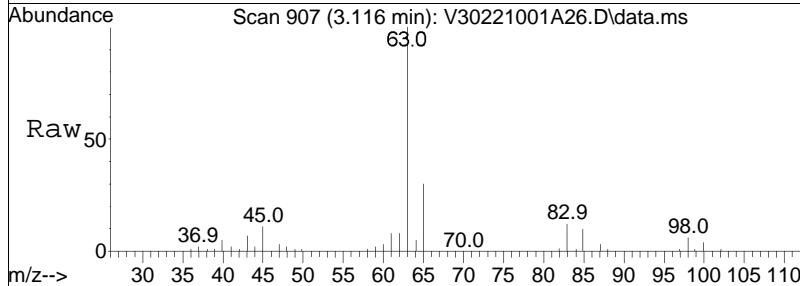
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 73 | 92685 | | |
| 57 | 25.1 | 17.5 | 36.3 |
| 43 | 19.0 | 15.3 | 31.9 |
| 41 | 30.3 | 15.3 | 31.7 |

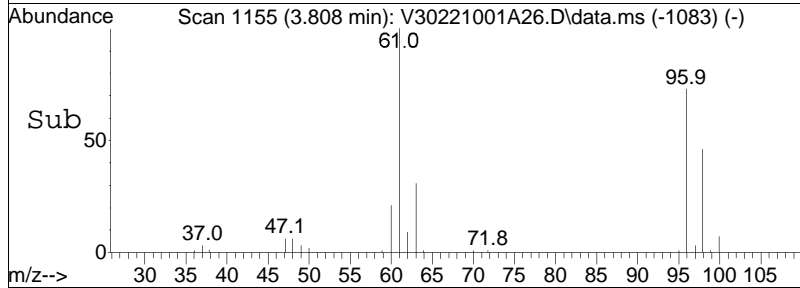
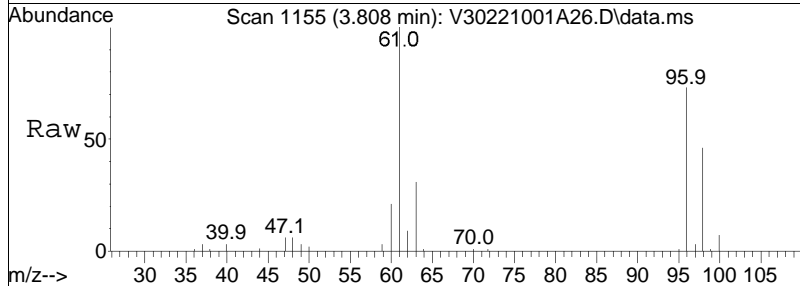
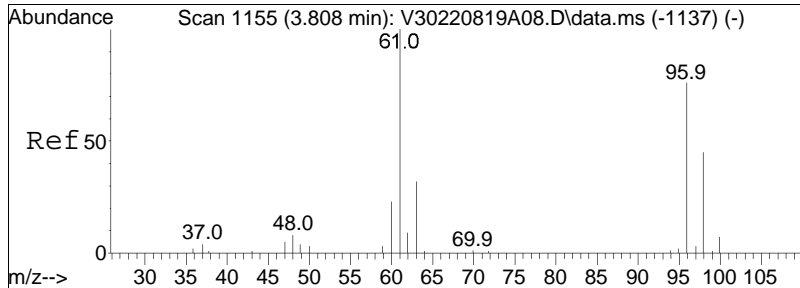




#23
 1,1-Dichloroethane
 Concen: 12.26 ug/L
 RT: 3.116 min Scan# 907
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

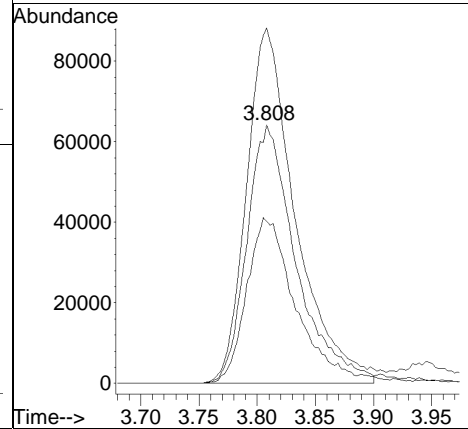
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 63 | 135390 | | |
| 65 | 30.9 | 11.0 | 51.0 |
| 83 | 12.5 | 0.0 | 31.8 |

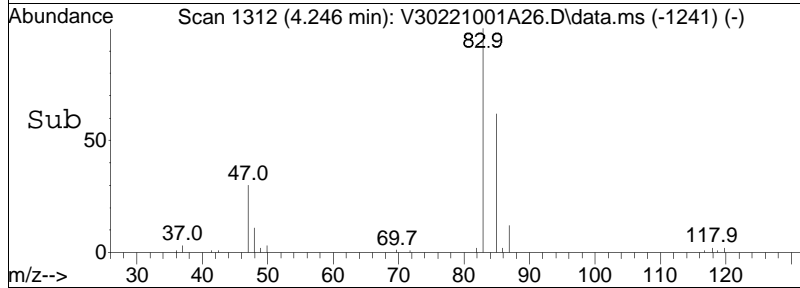
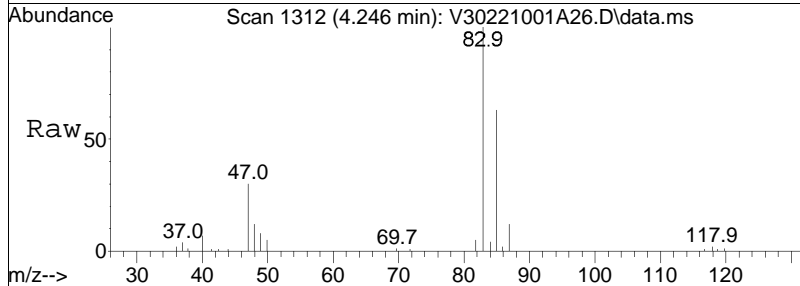
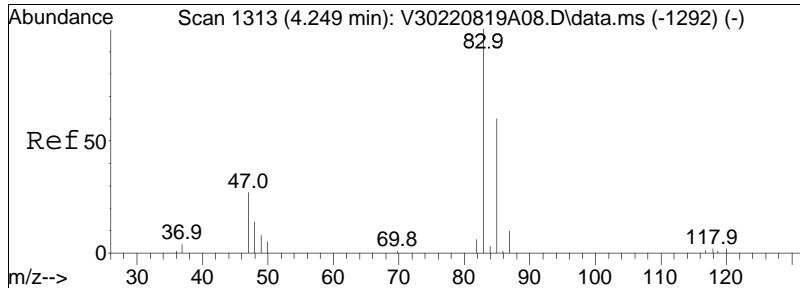




#28
 cis-1,2-Dichloroethene
 Concen: 29.76 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

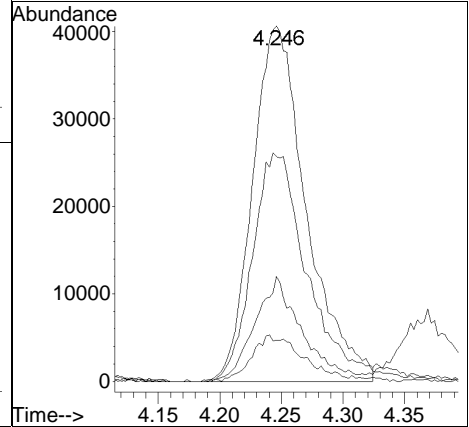
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|--------|
| 96 | 188950 | | |
| 96 | 100 | | |
| 61 | 138.3 | 149.4 | 224.2# |
| 98 | 63.4 | 53.4 | 80.2 |

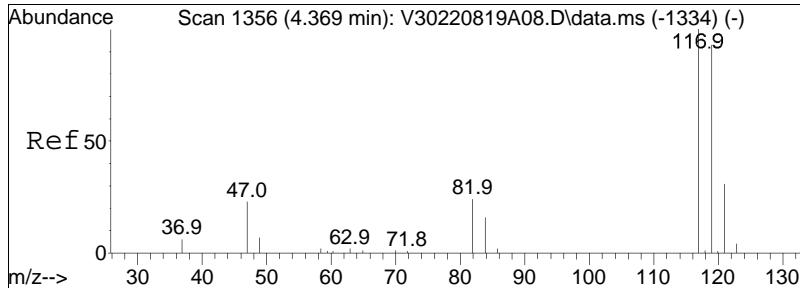




#32
 Chloroform
 Concen: 11.40 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

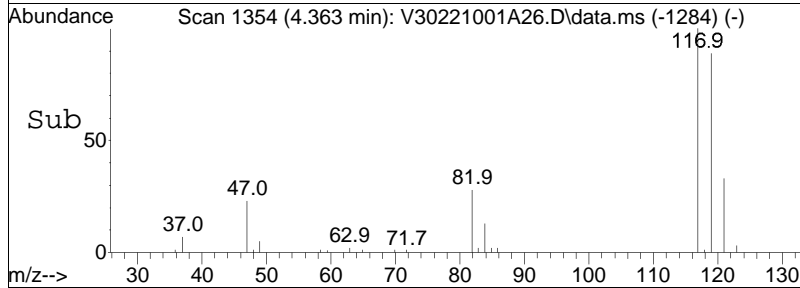
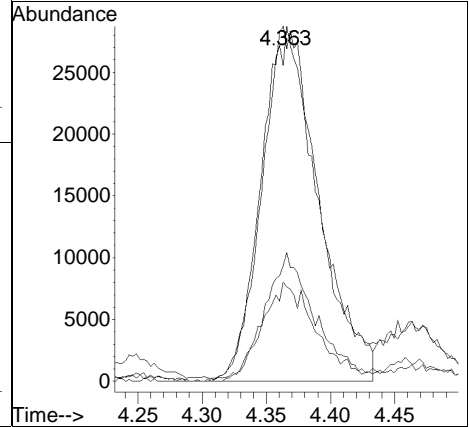
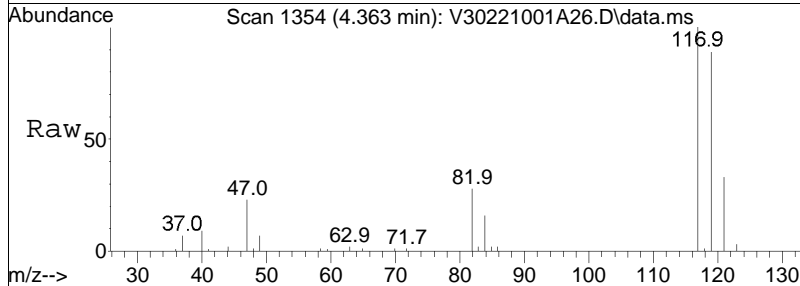
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 123433 | | |
| 83 | 100 | | |
| 85 | 65.9 | 41.5 | 86.1 |
| 47 | 25.8 | 19.0 | 39.4 |
| 48 | 6.7 | 9.9 | 20.5# |

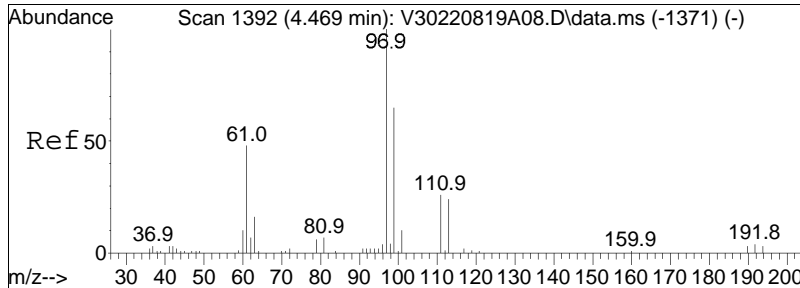




#34
 Carbon tetrachloride
 Concen: 11.82 ug/L
 RT: 4.363 min Scan# 1354
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

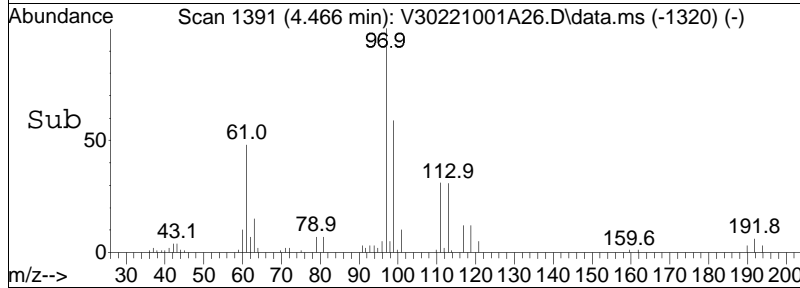
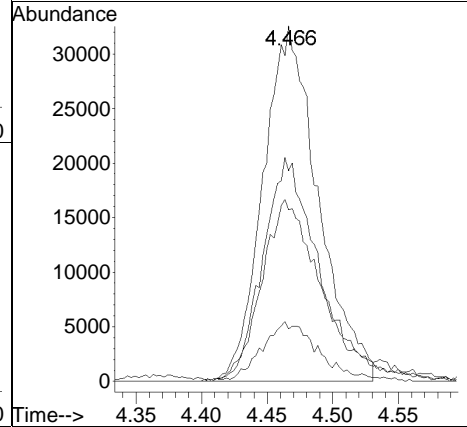
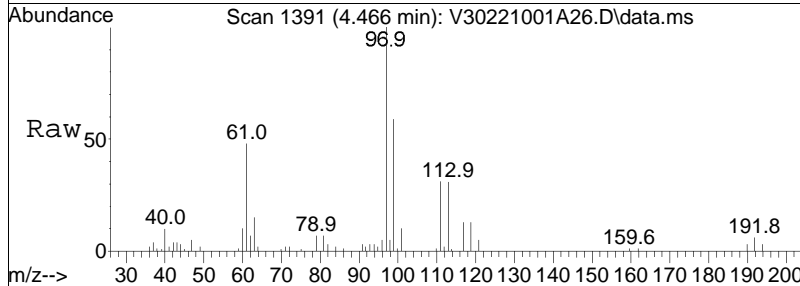
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 95.0 | 62.4 | 129.6 |
| 121 | 31.2 | 19.5 | 40.5 |
| 82 | 15.5 | 17.0 | 35.4# |

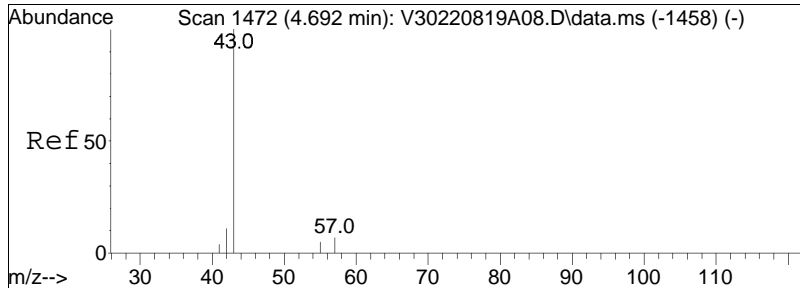




#37
 1,1,1-Trichloroethane
 Concen: 10.65 ug/L
 RT: 4.466 min Scan# 1391
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

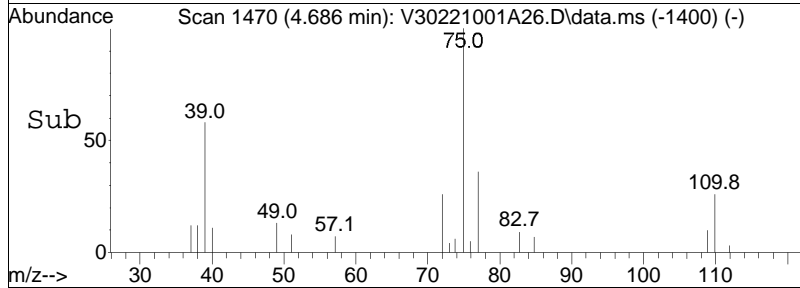
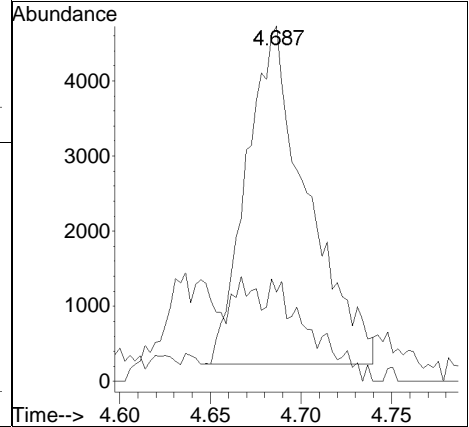
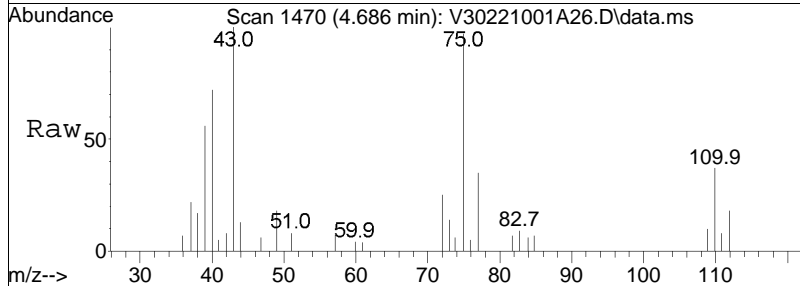
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 64.8 | 40.7 | 84.5 |
| 61 | 56.2 | 35.4 | 73.4 |
| 63 | 16.7 | 5.0 | 10.4# |

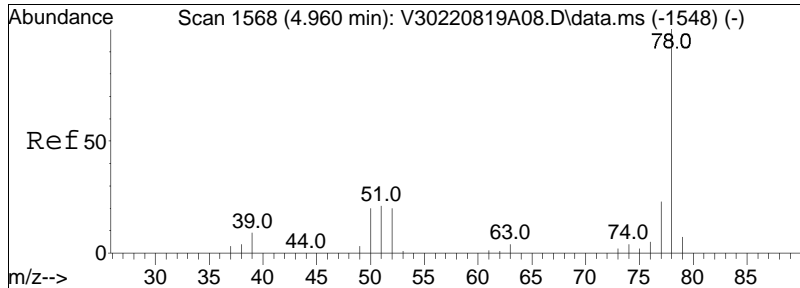




#39
 2-Butanone
 Concen: 7.74 ug/L
 RT: 4.686 min Scan# 1470
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

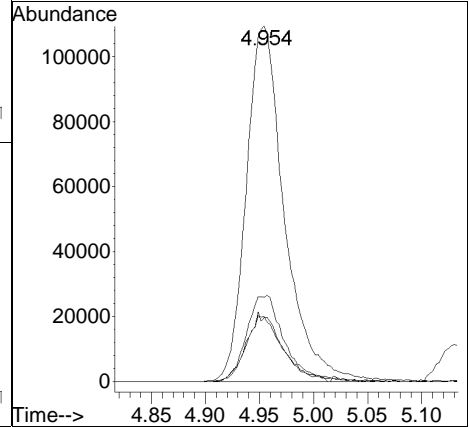
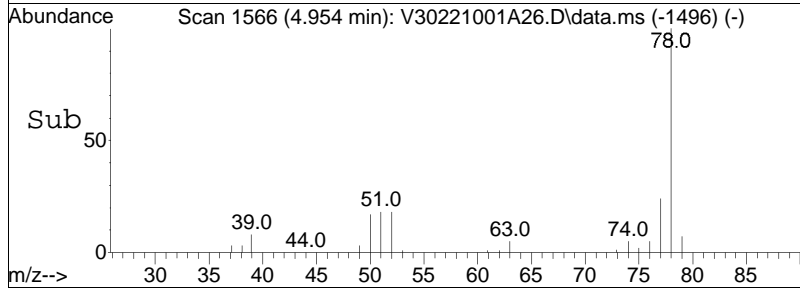
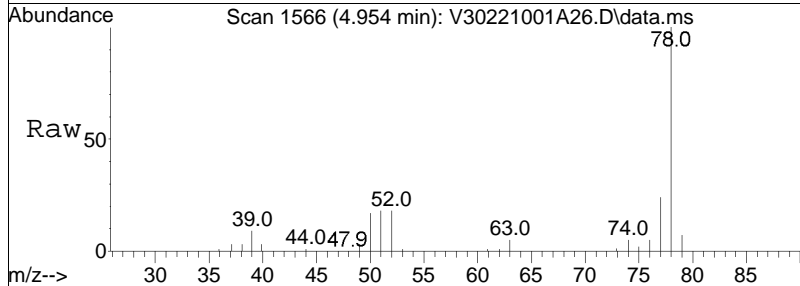
Tgt Ion: 43 Resp: 10484
 Ion Ratio Lower Upper
 43 100
 72 7.7 10.9 16.3#

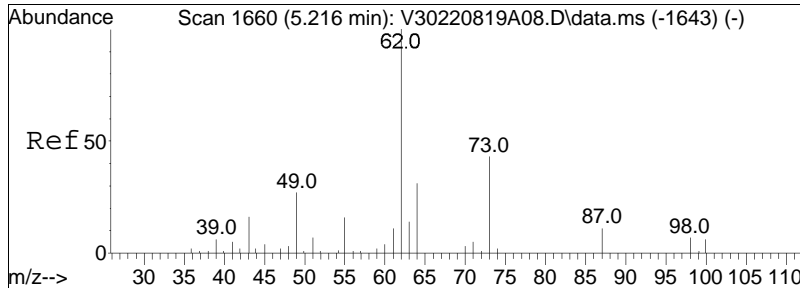




#41
Benzene
Concen: 11.80 ug/L
RT: 4.954 min Scan# 1566
Delta R.T. -0.006 min
Lab File: V30221001A26.D
Acq: 01 Oct 2022 05:39 pm

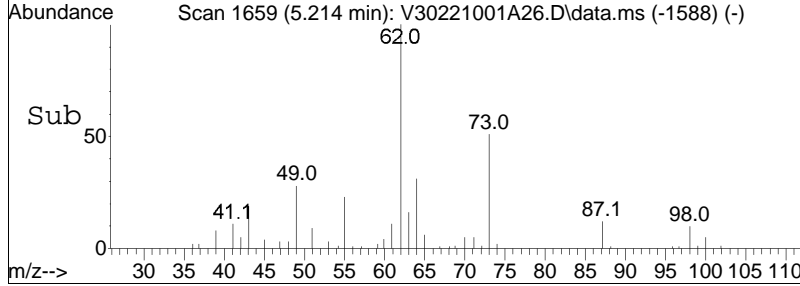
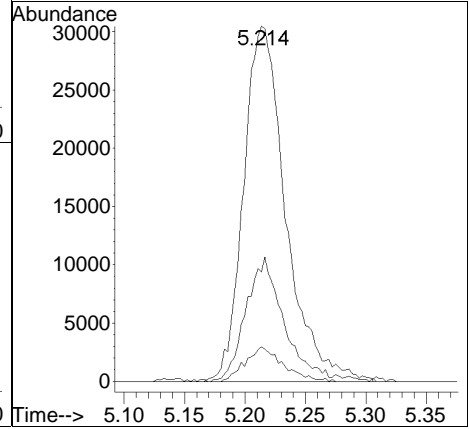
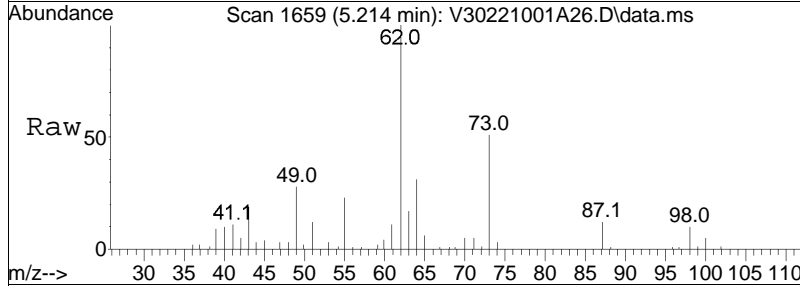
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 78 | 268469 | | |
| 77 | 24.1 | 15.7 | 32.7 |
| 51 | 18.2 | 16.0 | 33.2 |
| 52 | 17.6 | 15.3 | 31.9 |

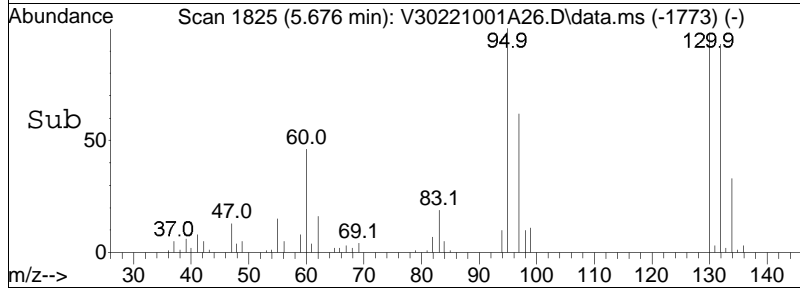
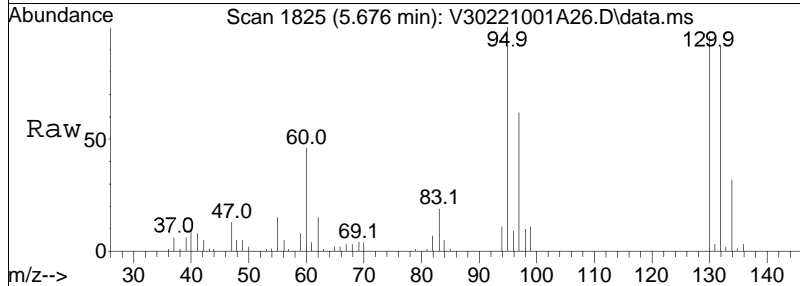
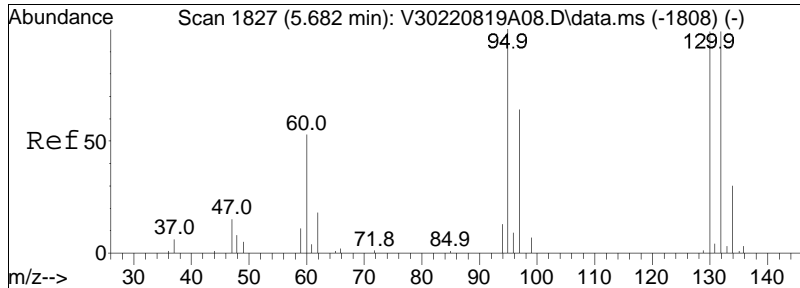




#44
 1,2-Dichloroethane
 Concen: 9.26 ug/L
 RT: 5.214 min Scan# 1659
 Delta R.T. -0.002 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

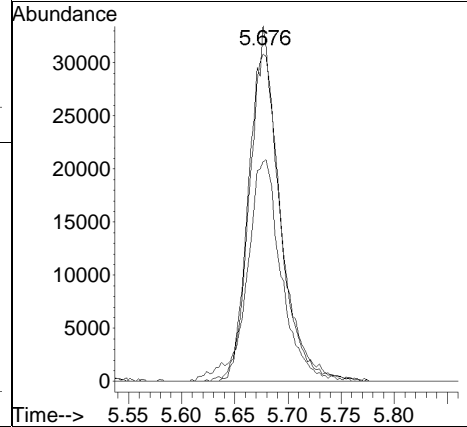
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 31.4 | 11.2 | 51.2 |
| 98 | 8.7 | 0.0 | 26.1 |

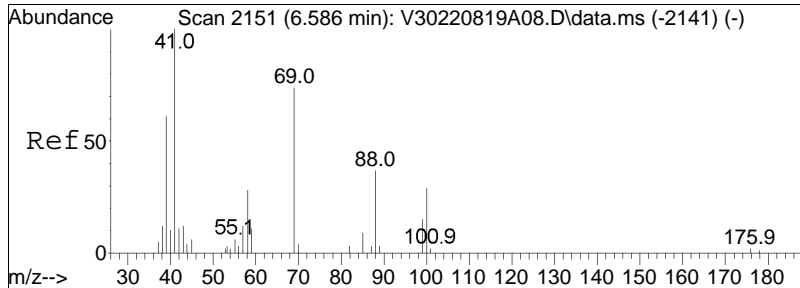




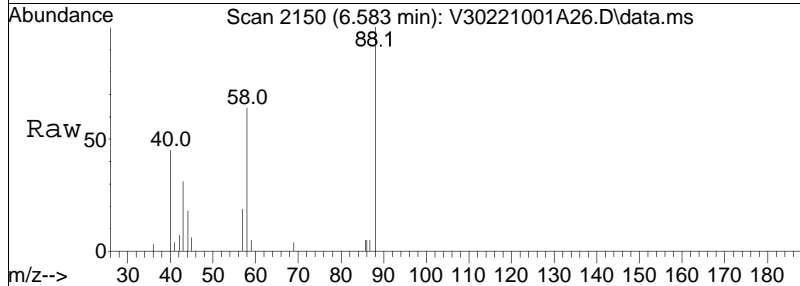
#48
 Trichloroethene
 Concen: 11.41 ug/L
 RT: 5.676 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

| Tgt Ion: | 95 | Resp: | 67545 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 69.0 | 55.5 | 83.3 |
| 132 | 95.6 | 76.6 | 115.0 |

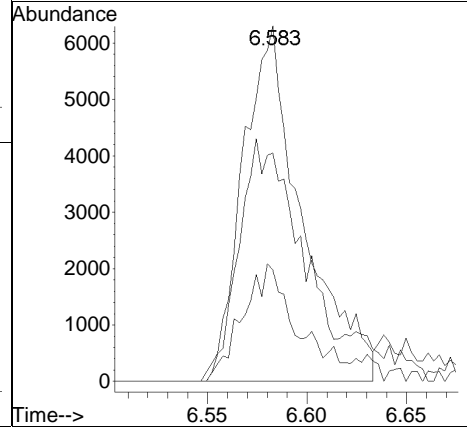
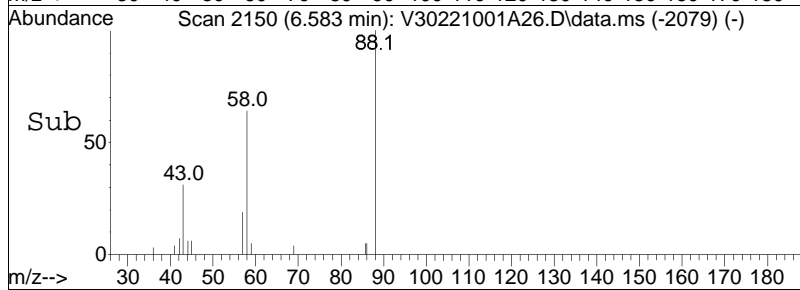


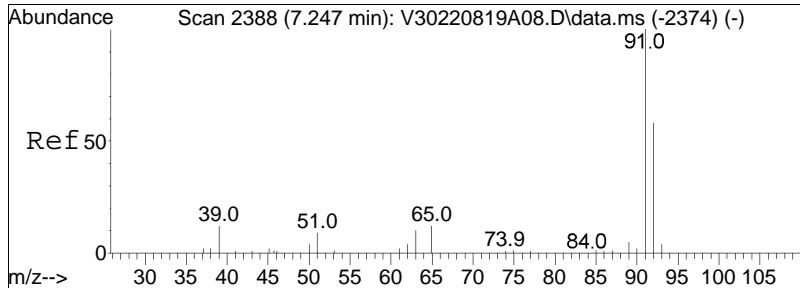


#57
 1,4-Dioxane
 Concen: 661.36 ug/L
 RT: 6.583 min Scan# 2150
 Delta R.T. -0.003 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm



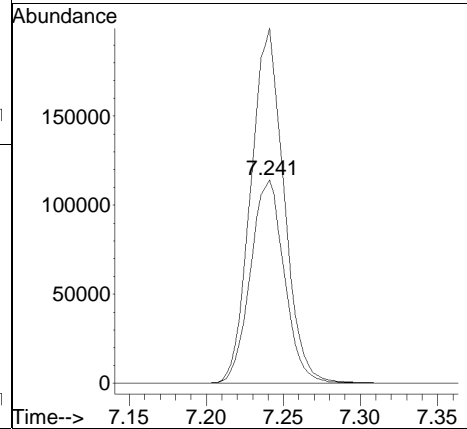
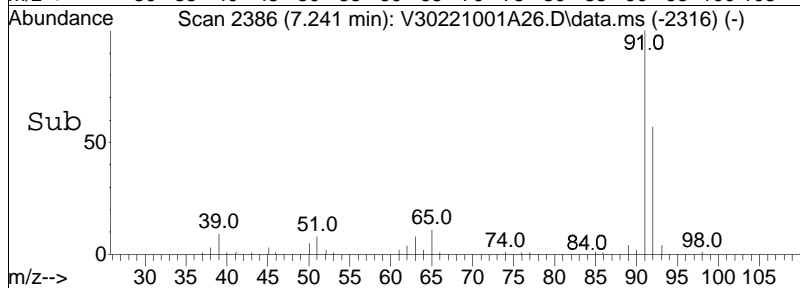
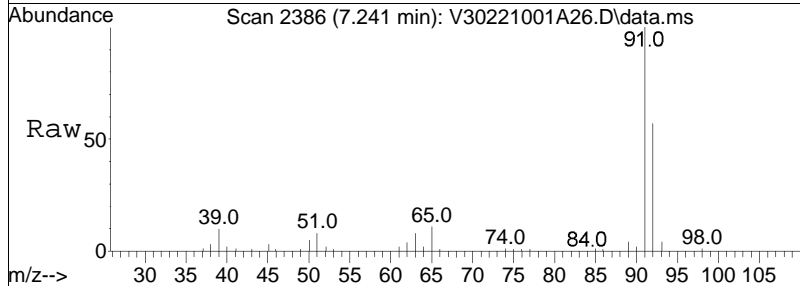
| Tgt Ion: | 88 | Resp: | 13146 |
|-----------|------|-------|--------|
| Ion Ratio | 100 | Lower | Upper |
| 58 | 70.1 | 76.7 | 115.1# |
| 43 | 24.6 | 36.2 | 54.2# |

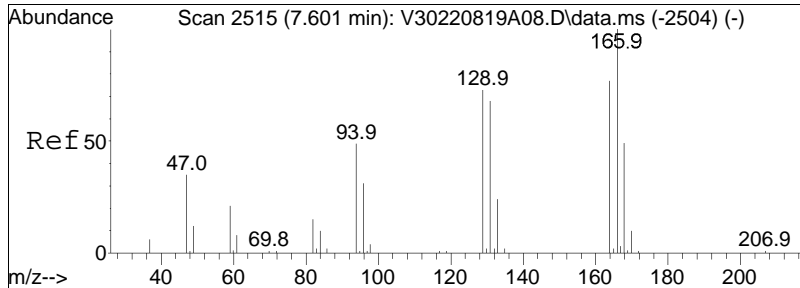




#61
 Toluene
 Concen: 11.58 ug/L
 RT: 7.241 min Scan# 2386
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

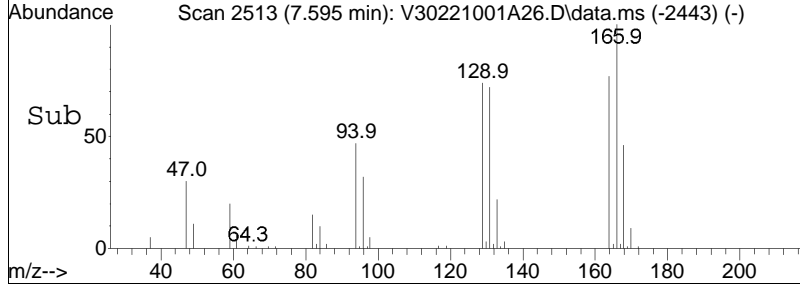
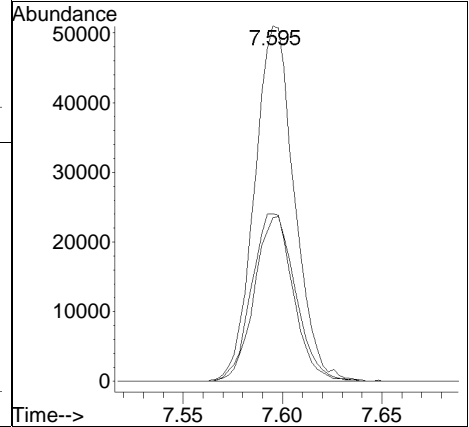
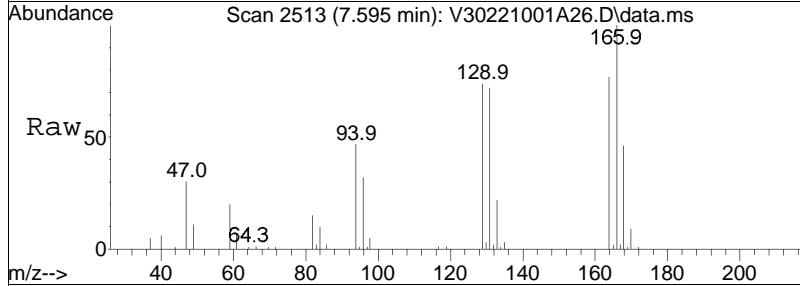
Tgt Ion: 92 Resp: 175058
 Ion Ratio Lower Upper
 92 100
 91 170.6 139.8 209.6

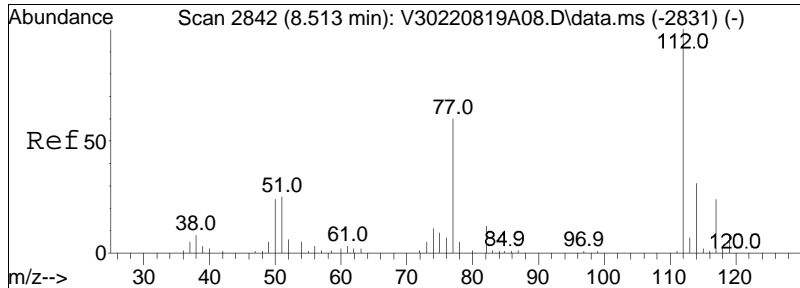




#63
 Tetrachloroethene
 Concen: 11.15 ug/L
 RT: 7.595 min Scan# 2513
 Delta R.T. -0.006 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

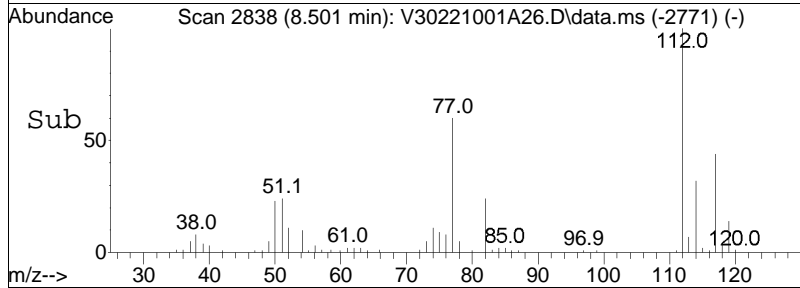
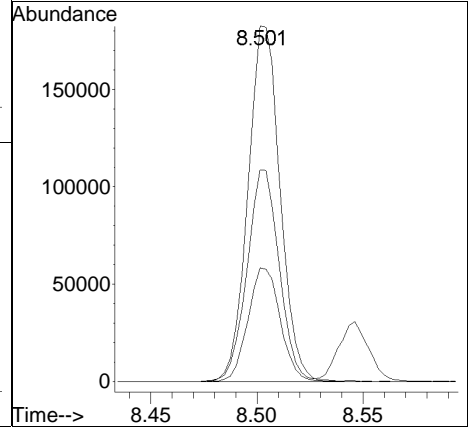
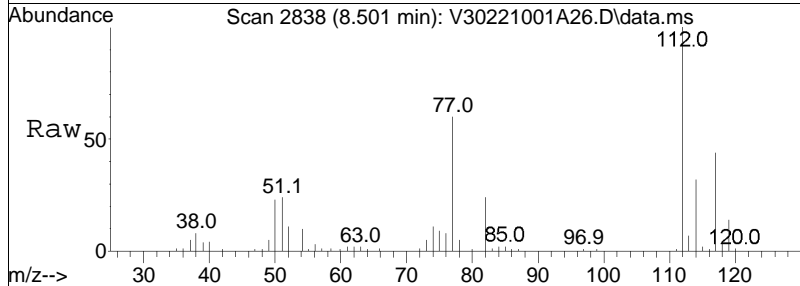
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 47.9 | 28.2 | 68.2 |
| 94 | 48.9 | 38.4 | 78.4 |

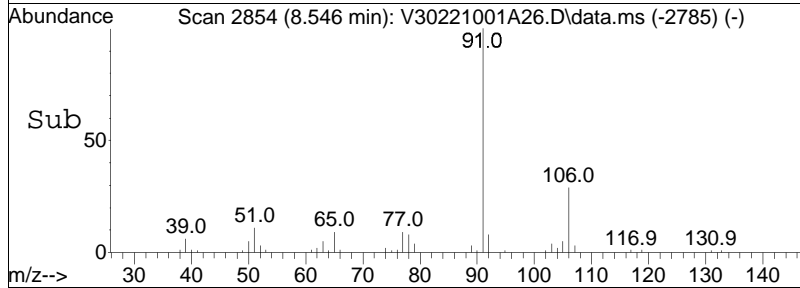
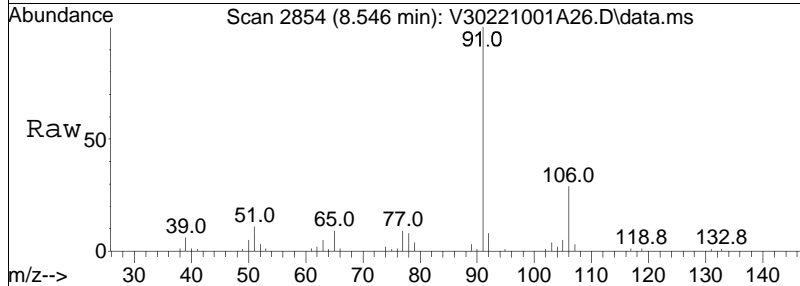
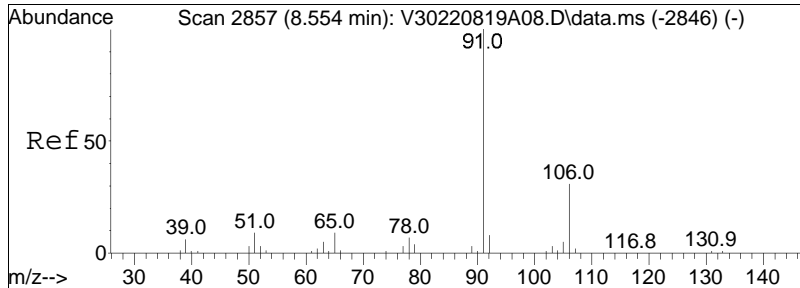




#73
 Chlorobenzene
 Concen: 11.49 ug/L
 RT: 8.501 min Scan# 2838
 Delta R.T. -0.012 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

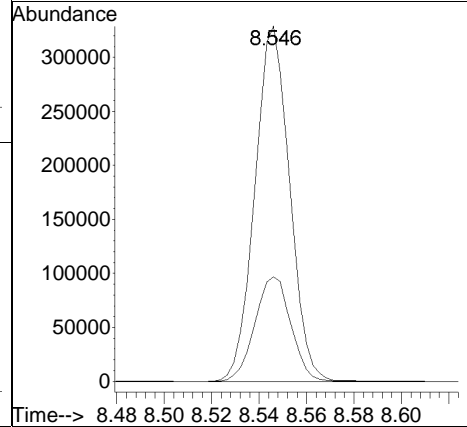
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 112 | 191724 | | |
| 77 | 59.4 | 55.4 | 83.0 |
| 114 | 32.0 | 25.4 | 38.2 |

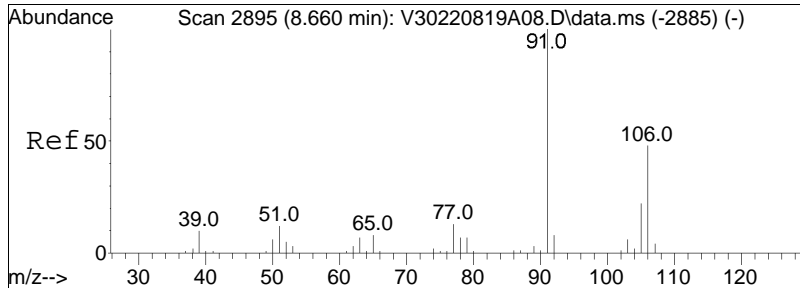




#74
 Ethylbenzene
 Concen: 11.37 ug/L
 RT: 8.546 min Scan# 2854
 Delta R.T. -0.008 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

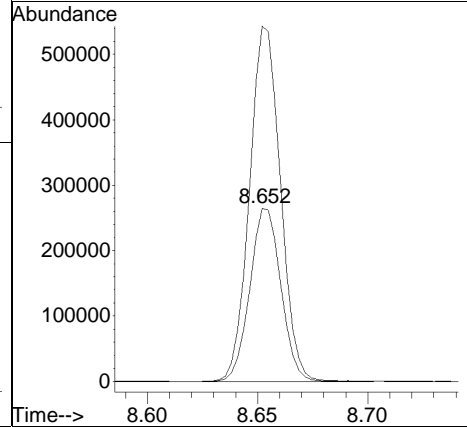
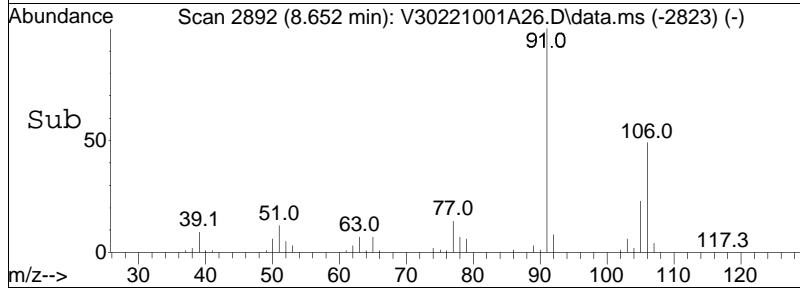
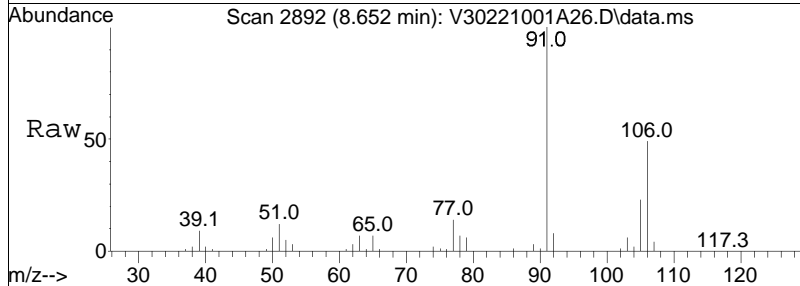
| Tgt Ion: | 91 | 106 | Resp: | 334525 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 30.5 | Lower | Upper |
| | | | 24.3 | 36.5 |

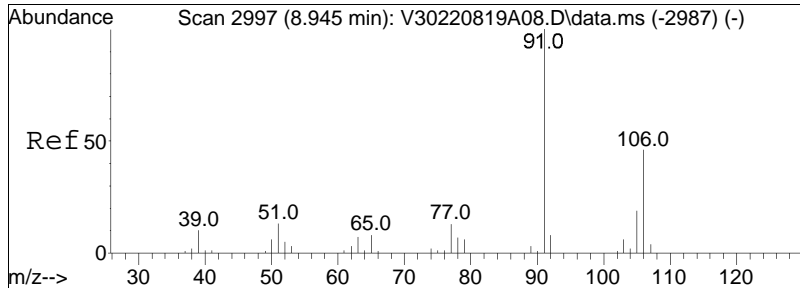




#76
 p/m Xylene
 Concen: 23.69 ug/L
 RT: 8.652 min Scan# 2892
 Delta R.T. -0.008 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

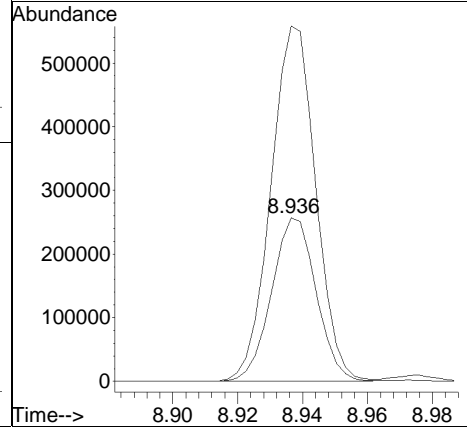
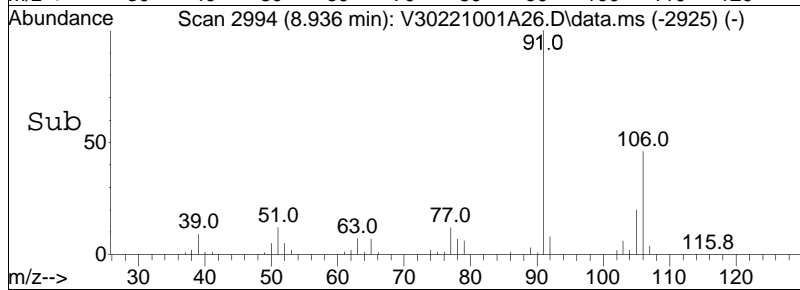
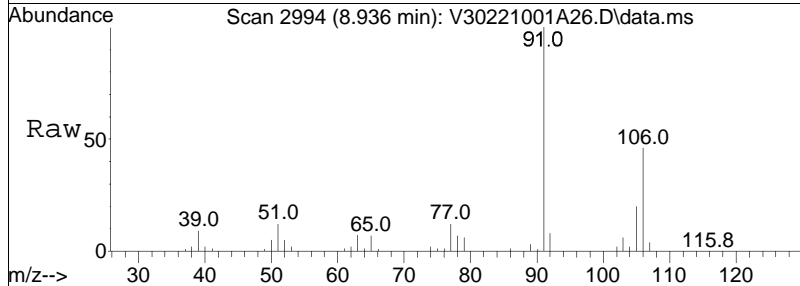
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 204.5 | 166.4 | 249.6 |

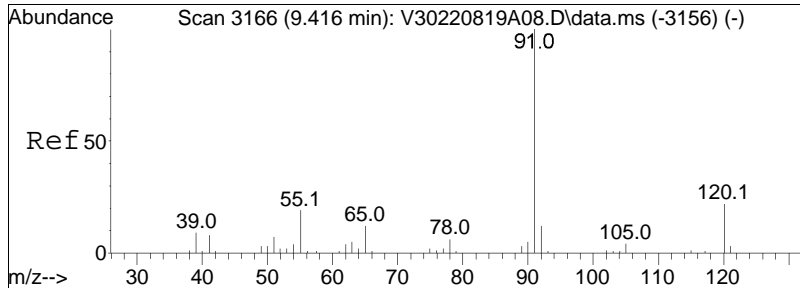




#77
 o Xylene
 Concen: 22.96 ug/L
 RT: 8.936 min Scan# 2994
 Delta R.T. -0.009 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

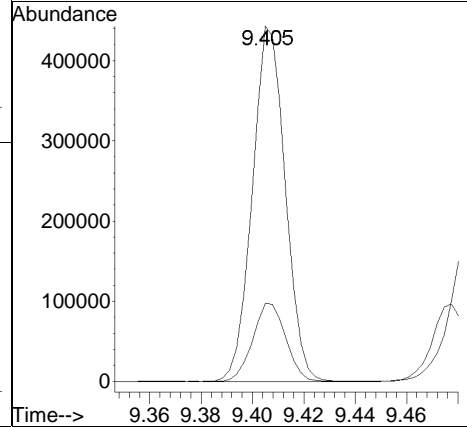
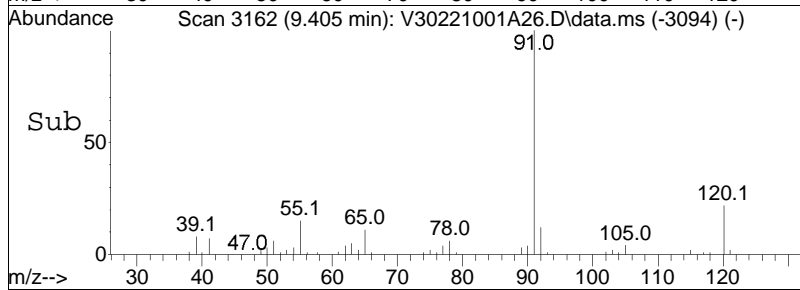
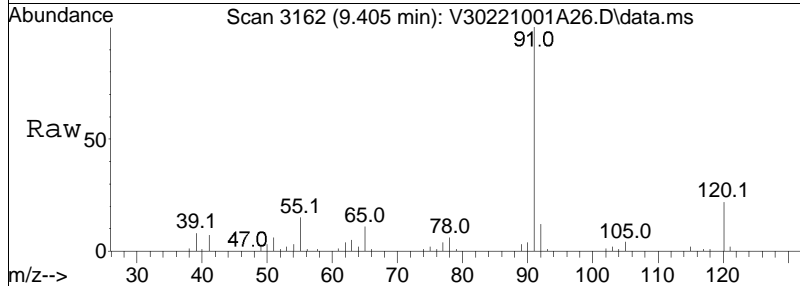
Tgt Ion: 106 Resp: 245399
 Ion Ratio Lower Upper
 106 100
 91 218.2 182.6 273.8

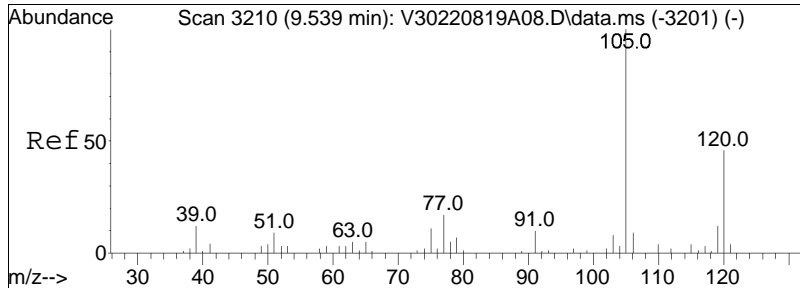




#85
 n-Propylbenzene
 Concen: 11.19 ug/L
 RT: 9.405 min Scan# 3162
 Delta R.T. -0.011 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

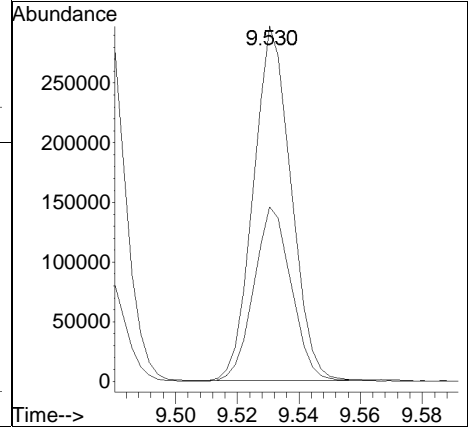
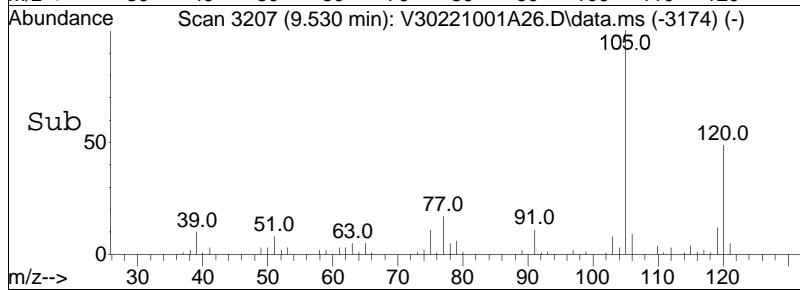
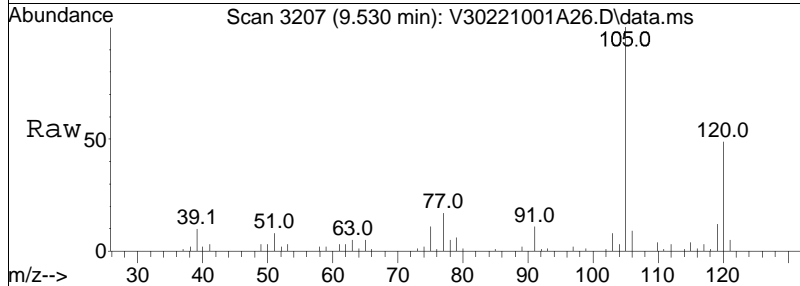
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 120 | 22.0 | 17.0 | 25.6 |

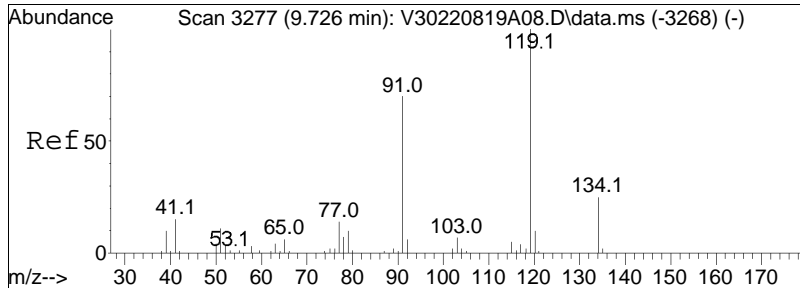




#90
 1,3,5-Trimethylbenzene
 Concen: 10.16 ug/L
 RT: 9.530 min Scan# 3207
 Delta R.T. -0.009 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

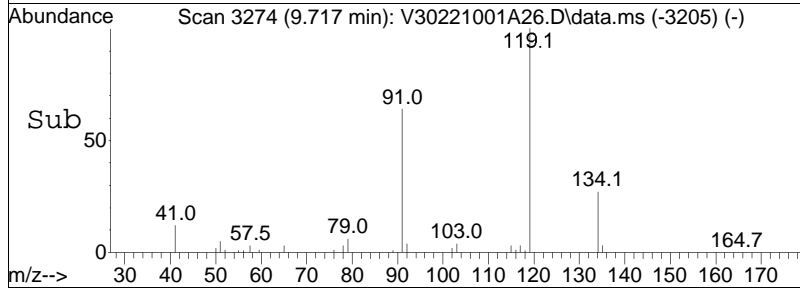
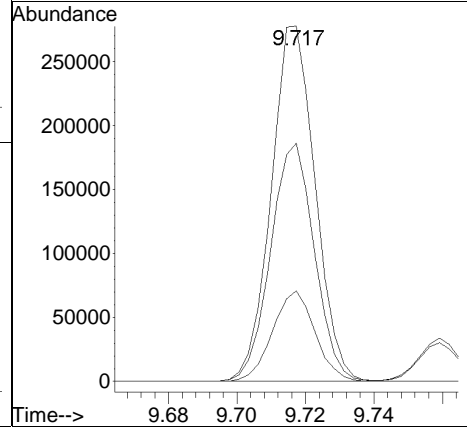
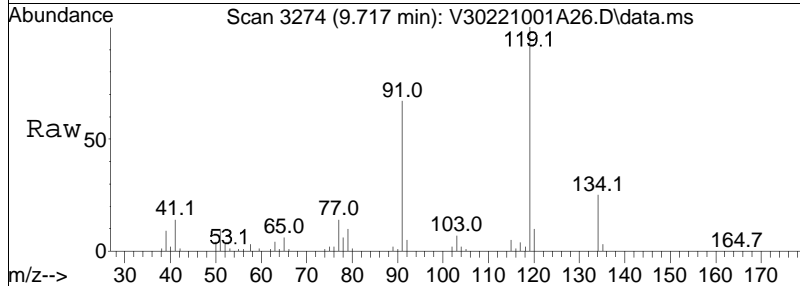
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 105 | Resp: | 252657 |
| Ion Ratio | Lower | Upper | |
| 105 | 100 | | |
| 120 | 49.2 | 34.8 | 52.2 |

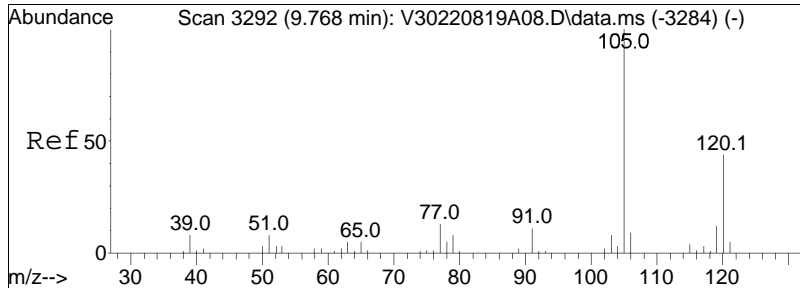




#94
 tert-Butylbenzene
 Concen: 11.54 ug/L
 RT: 9.717 min Scan# 3274
 Delta R.T. -0.009 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

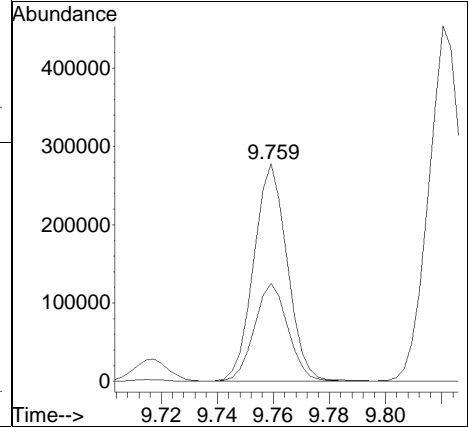
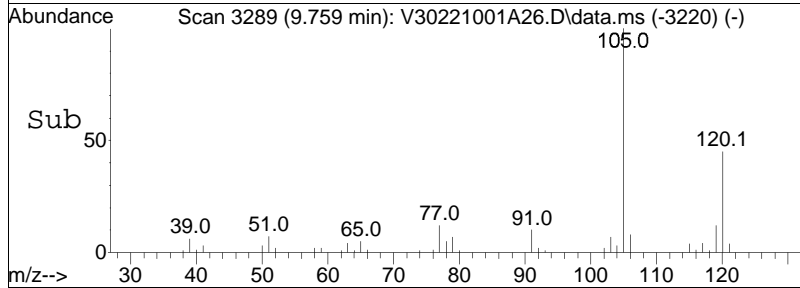
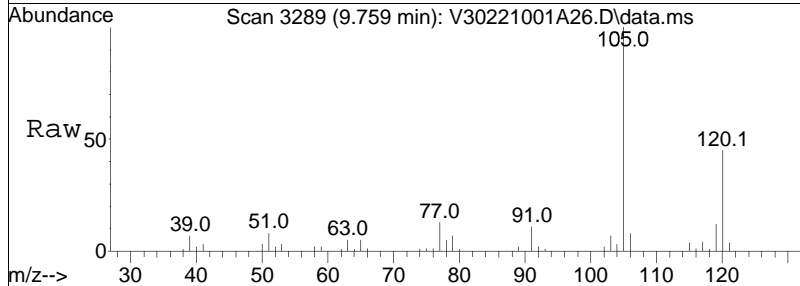
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 119 | 100 | | |
| 91 | 66.6 | 51.4 | 77.2 |
| 134 | 24.6 | 18.3 | 27.5 |

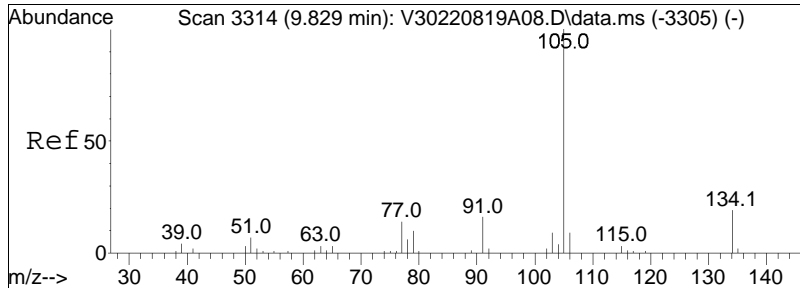




#97
 1,2,4-Trimethylbenzene
 Concen: 9.48 ug/L
 RT: 9.759 min Scan# 3289
 Delta R.T. -0.009 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

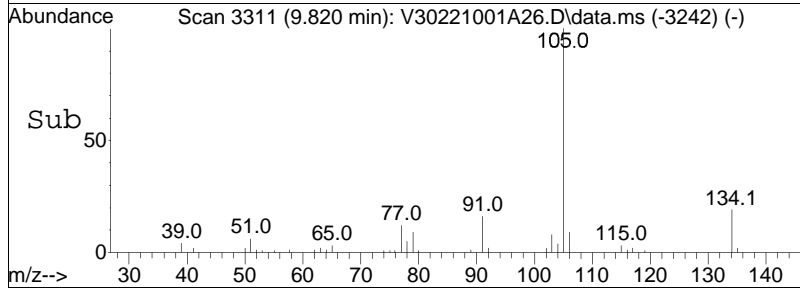
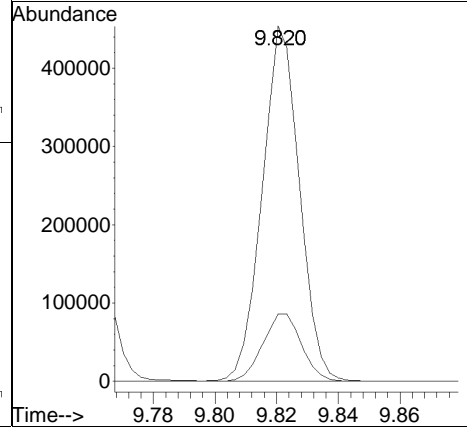
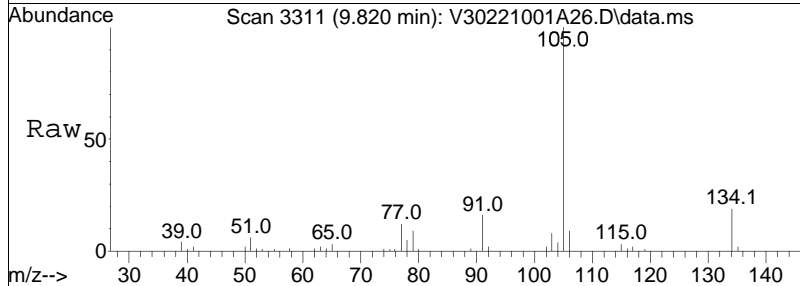
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 45.1 | 33.4 | 50.0 |

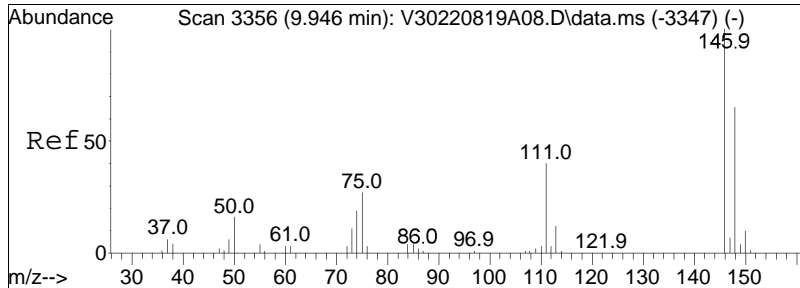




#98
 sec-Butylbenzene
 Concen: 11.84 ug/L
 RT: 9.820 min Scan# 3311
 Delta R.T. -0.009 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

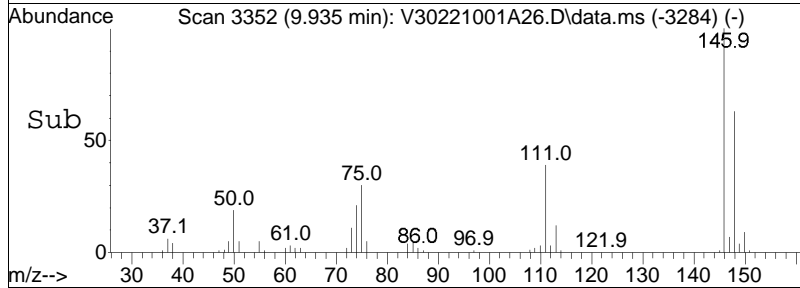
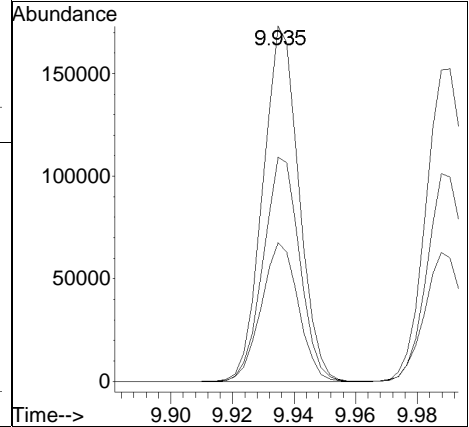
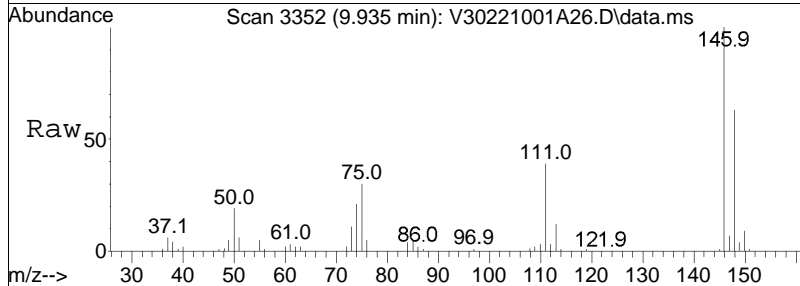
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 19.9 | 12.5 | 26.1 |

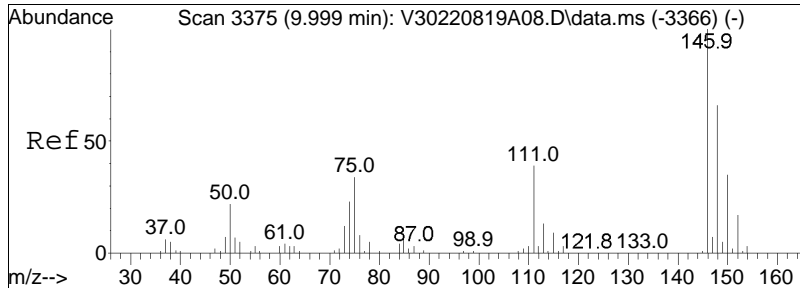




#100
 1,3-Dichlorobenzene
 Concen: 10.14 ug/L
 RT: 9.935 min Scan# 3352
 Delta R.T. -0.011 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

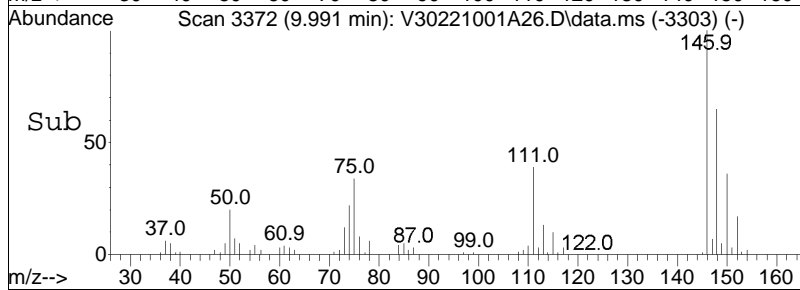
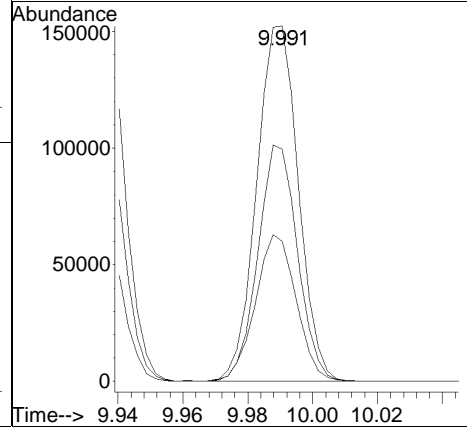
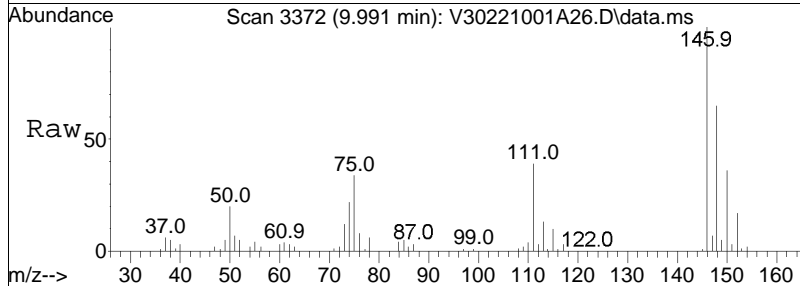
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 40.0 | 27.5 | 57.1 |
| 148 | 63.7 | 41.9 | 86.9 |

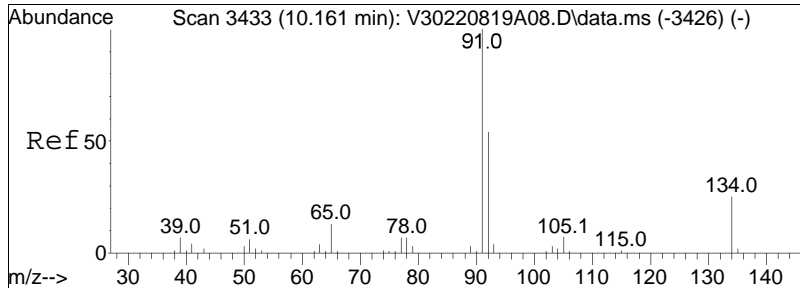




#101
 1,4-Dichlorobenzene
 Concen: 9.75 ug/L
 RT: 9.991 min Scan# 3372
 Delta R.T. -0.008 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

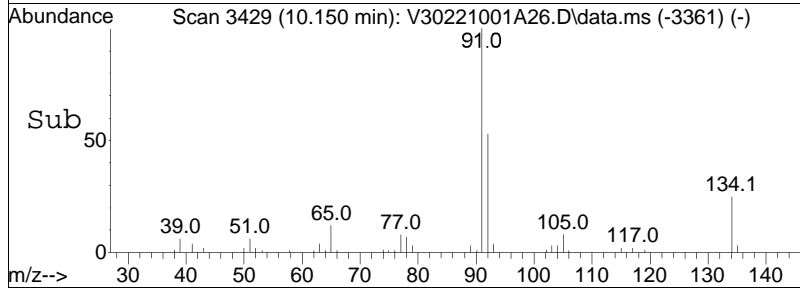
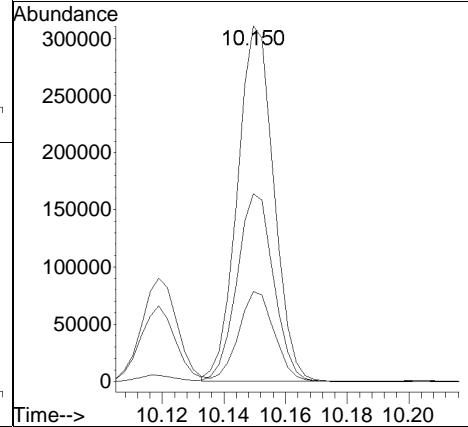
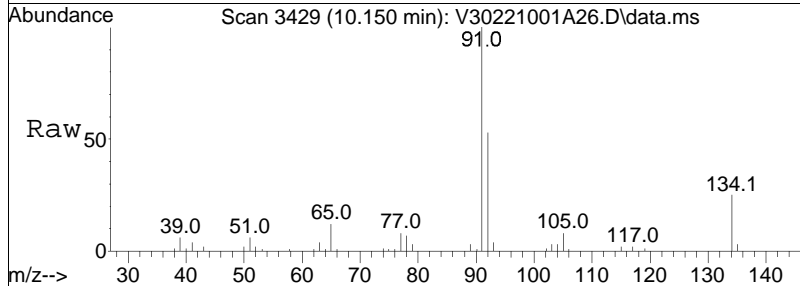
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 40.5 | 32.3 | 48.5 |
| 148 | 63.4 | 49.9 | 74.9 |

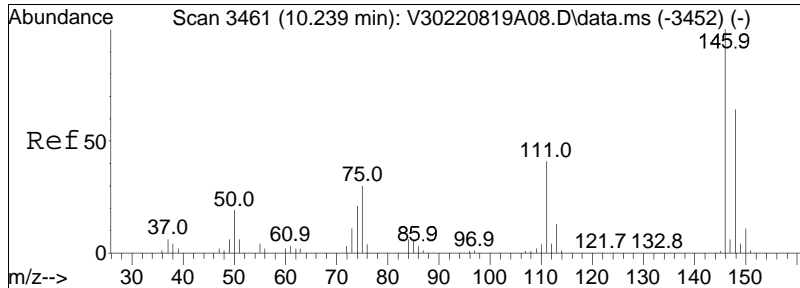




#103
 n-Butylbenzene
 Concen: 9.98 ug/L
 RT: 10.150 min Scan# 3429
 Delta R.T. -0.011 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

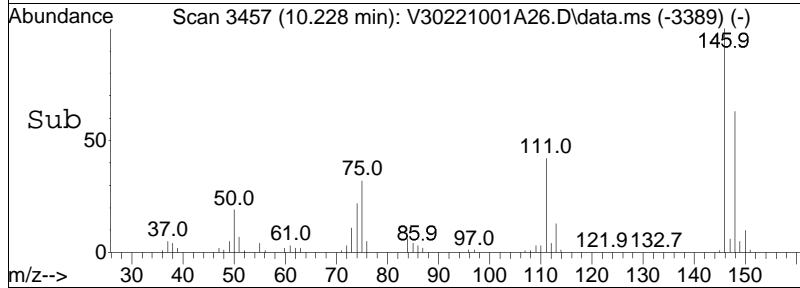
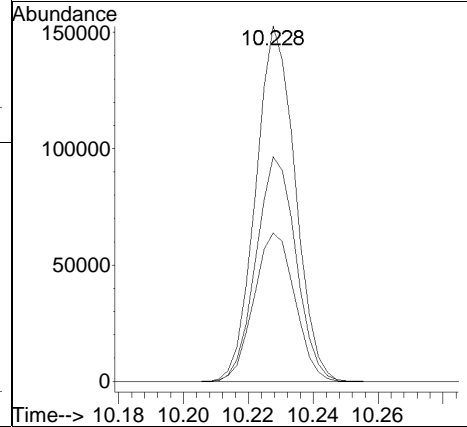
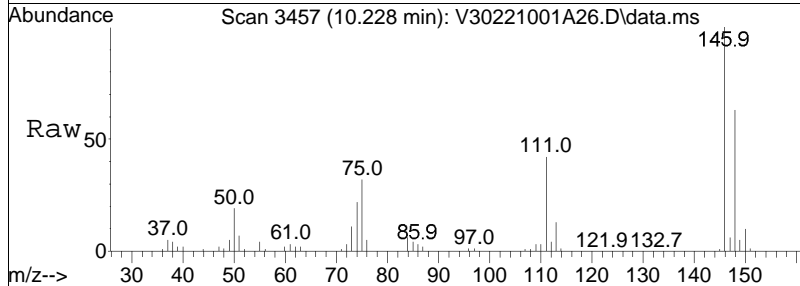
| Tgt Ion: | 91 | Resp: | 255184 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 92 | 53.2 | 43.0 | 64.4 |
| 134 | 24.7 | 19.6 | 29.4 |





#104
 1,2-Dichlorobenzene
 Concen: 9.90 ug/L
 RT: 10.228 min Scan# 3457
 Delta R.T. -0.011 min
 Lab File: V30221001A26.D
 Acq: 01 Oct 2022 05:39 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 146 | 128853 | | |
| 146 | 100 | | |
| 111 | 43.5 | 28.3 | 58.7 |
| 148 | 64.0 | 42.3 | 87.8 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A26.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 5:39 pm Instrument : VOA130
Sample : WG1694829-6,31,10,10,,a1 Quant Date : 10/3/2022 8:53 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A27.D
 Acq On : 01 Oct 2022 05:58 pm
 Operator : VOA130:MKS
 Sample : WG1694829-7,31,10,10,,a2
 Misc : WG1694829,ICAL19274
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 08:53:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.481 | 96 | 263514 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 288309 | | | Recovery = | 91.40% | | | |
| 59) Chlorobenzene-d5 | 8.493 | 117 | 206159 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 231257 | | | Recovery = | 89.15% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 9.982 | 152 | 105322 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 116817 | | | Recovery = | 90.16% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 4.486 | 113 | 71839 | 10.323 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.23% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.133 | 65 | 66478 | 8.701 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 87.01% | | | |
| 60) Toluene-d8 | 7.191 | 98 | 263517 | 9.841 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.41% | | | |
| 83) 4-Bromofluorobenzene | 9.313 | 95 | 97642 | 9.778 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.78% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.109 | 62 | 125454 | 20.432 | ug/L | | 99 |
| 10) 1,1-Dichloroethene | 1.856 | 96 | 64615 | 12.878 | ug/L | | 76 |
| 15) Methylene chloride | 2.341 | 84 | 68941 | 12.256 | ug/L | | 74 |
| 17) Acetone | 2.394 | 43 | 8356 | 9.608 | ug/L | | 91 |
| 18) trans-1,2-Dichloroethene | 2.484 | 96 | 64998 | 11.976 | ug/L | | 76 |
| 20) Methyl tert-butyl ether | 2.617 | 73 | 91315 | 8.639 | ug/L # | | 80 |
| 23) 1,1-Dichloroethane | 3.122 | 63 | 128775 | 11.875 | ug/L | | 98 |
| 28) cis-1,2-Dichloroethene | 3.808 | 96 | 191908 | 30.780 | ug/L # | | 74 |
| 32) Chloroform | 4.246 | 83 | 121956 | 11.469 | ug/L # | | 94 |
| 34) Carbon tetrachloride | 4.371 | 117 | 88755 | 11.750 | ug/L # | | 94 |
| 37) 1,1,1-Trichloroethane | 4.466 | 97 | 95683 | 10.828 | ug/L # | | 97 |
| 39) 2-Butanone | 4.681 | 43 | 11491 | 8.640 | ug/L # | | 73 |
| 41) Benzene | 4.954 | 78 | 262567 | 11.755 | ug/L | | 91 |
| 44) 1,2-Dichloroethane | 5.211 | 62 | 73122 | 9.343 | ug/L | | 98 |
| 48) Trichloroethene | 5.677 | 95 | 63980 | 11.006 | ug/L | | 98 |
| 57) 1,4-Dioxane | 6.577 | 88 | 12451 | 637.940 | ug/L # | | 70 |
| 61) Toluene | 7.238 | 92 | 169874 | 11.350 | ug/L | | 98 |
| 63) Tetrachloroethene | 7.595 | 166 | 68255 | 10.764 | ug/L | | 93 |
| 73) Chlorobenzene | 8.504 | 112 | 186712 | 11.297 | ug/L | | 92 |
| 74) Ethylbenzene | 8.546 | 91 | 323297 | 11.092 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A27.D
 Acq On : 01 Oct 2022 05:58 pm
 Operator : VOA130:MKS
 Sample : WG1694829-7,31,10,10,,a2
 Misc : WG1694829,ICAL19274
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 08:53:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA130\2022\221001A\V30221001A02.D
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 8.652 | 106 | 246423 | 22.730 | ug/L | 99 |
| 77) o Xylene | 8.937 | 106 | 237427 | 22.430 | ug/L | 93 |
| 85) n-Propylbenzene | 9.405 | 91 | 373416 | 10.985 | ug/L | 98 |
| 90) 1,3,5-Trimethylbenzene | 9.531 | 105 | 245047 | 10.193 | ug/L | 93 |
| 94) tert-Butylbenzene | 9.717 | 119 | 235592 | 11.356 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 9.759 | 105 | 222790 | 9.423 | ug/L | 95 |
| 98) sec-Butylbenzene | 9.821 | 105 | 352724 | 11.350 | ug/L | 99 |
| 100) 1,3-Dichlorobenzene | 9.935 | 146 | 132647 | 9.885 | ug/L | 99 |
| 101) 1,4-Dichlorobenzene | 9.991 | 146 | 128595 | 9.530 | ug/L | 97 |
| 103) n-Butylbenzene | 10.150 | 91 | 233426 | 9.449 | ug/L | 99 |
| 104) 1,2-Dichlorobenzene | 10.228 | 146 | 124658 | 9.910 | ug/L | 98 |

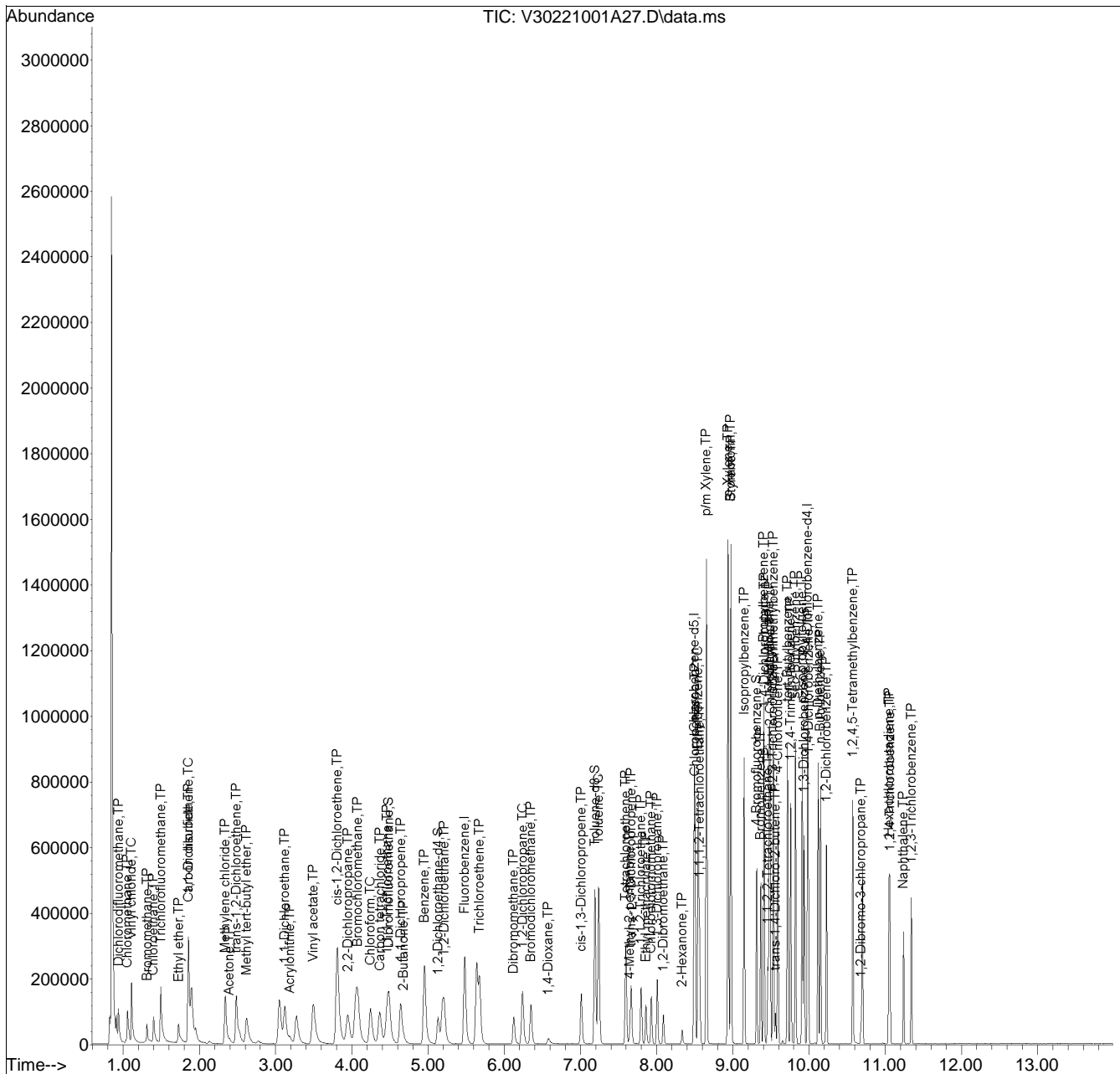
(#) = qualifier out of range (m) = manual integration (+) = signals summed

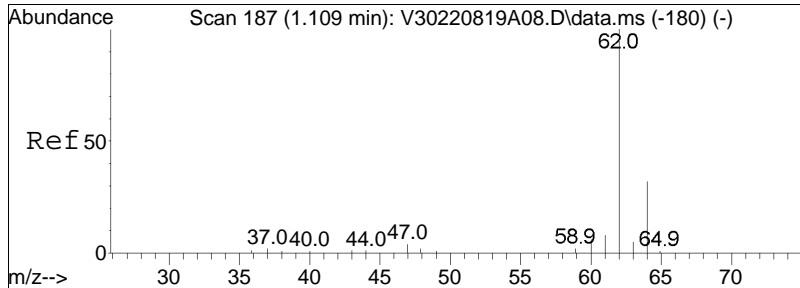
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA130\2022\221001A\
 Data File : V30221001A27.D
 Acq On : 01 Oct 2022 05:58 pm
 Operator : VOA130:MKS
 Sample : WG1694829-7,31,10,10,,a2
 Misc : WG1694829,ICAL19274
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 08:53:07 2022
 Quant Method : I:\VOLATILES\VOA130\2022\221001A\VOA130_220819A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Aug 22 13:44:43 2022
 Response via : Initial Calibration

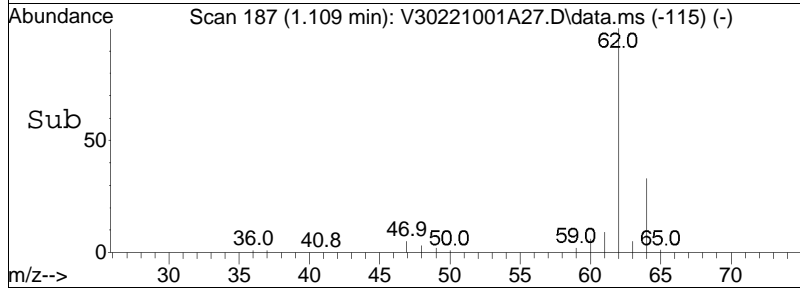
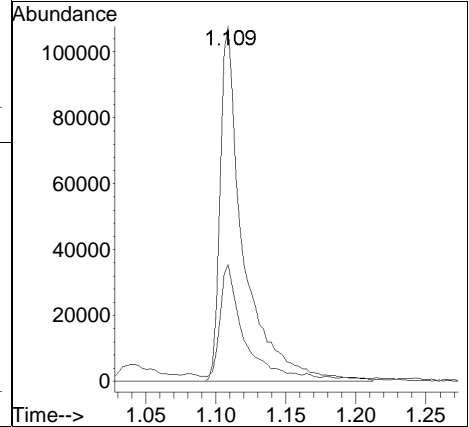
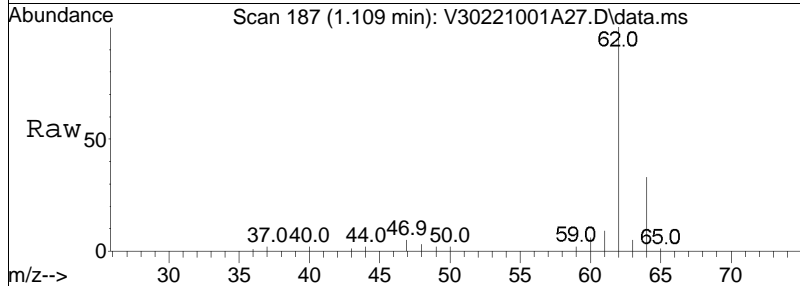
Sub List : 8260-NYTCL - Megamix plus Diox21001A\V30221001A02.D•

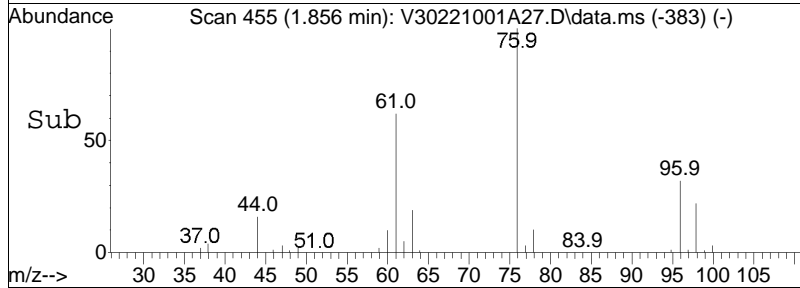
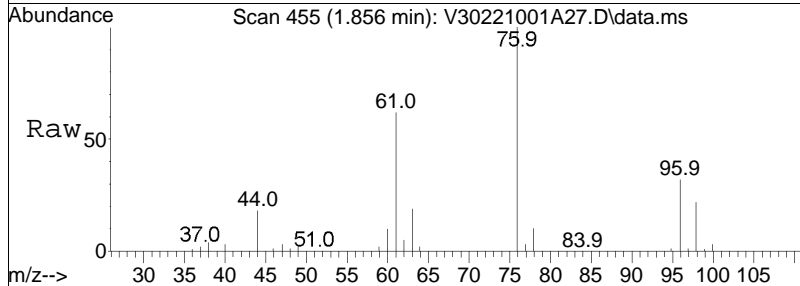
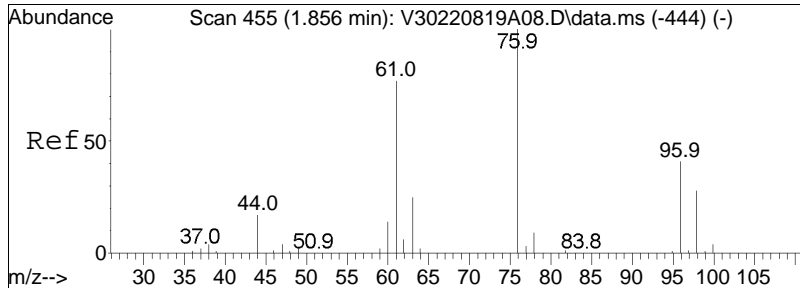




#4
 Vinyl chloride
 Concen: 20.43 ug/L
 RT: 1.109 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

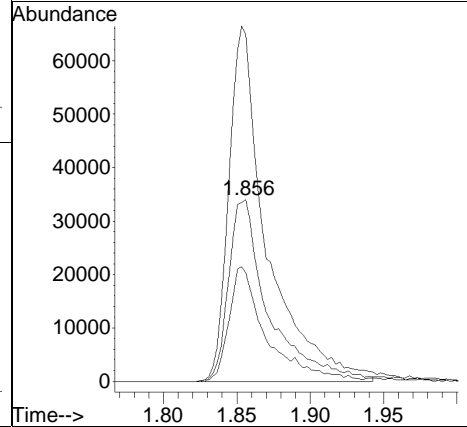
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 62 | 125454 | | |
| 62 | 100 | | |
| 64 | 28.7 | 9.1 | 49.1 |

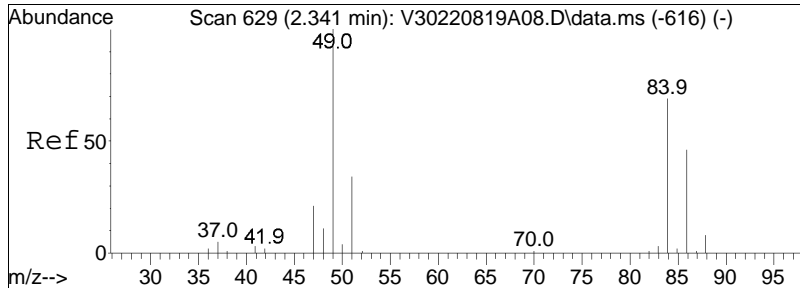




#10
 1,1-Dichloroethene
 Concen: 12.88 ug/L
 RT: 1.856 min Scan# 455
 Delta R.T. 0.000 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

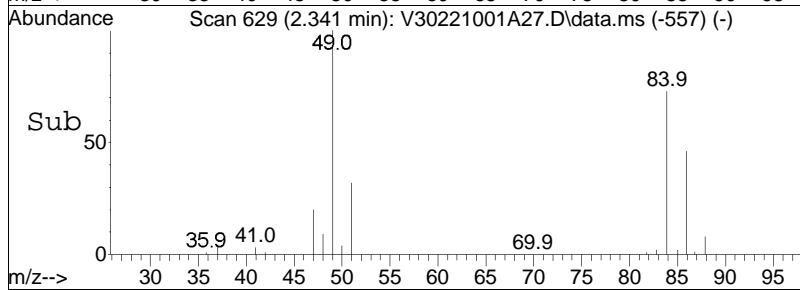
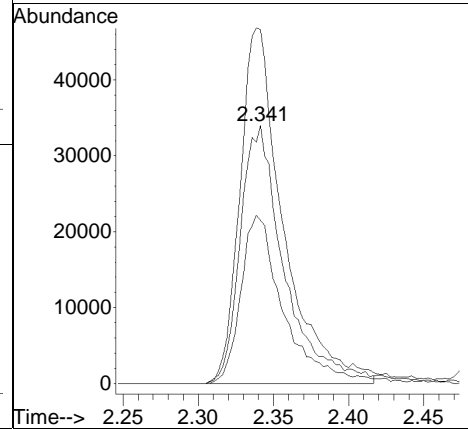
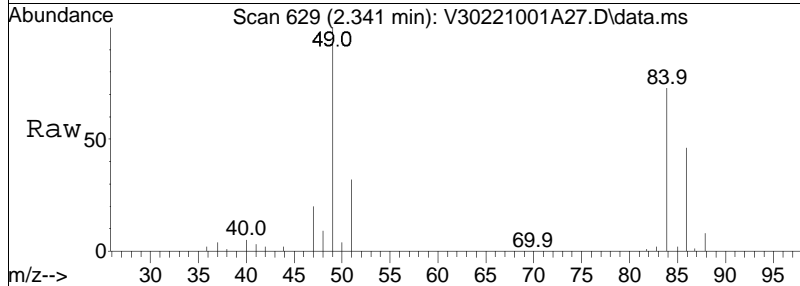
| Tgt Ion: | 96 | Resp: | 64615 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 188.1 | 186.1 | 279.1 |
| 63 | 59.3 | 57.6 | 86.4 |

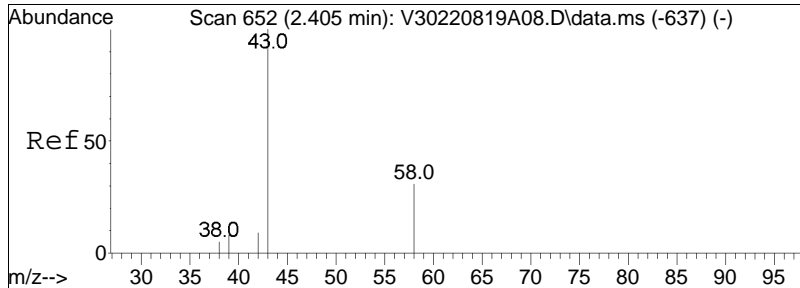




#15
 Methylene chloride
 Concen: 12.26 ug/L
 RT: 2.341 min Scan# 629
 Delta R.T. 0.000 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

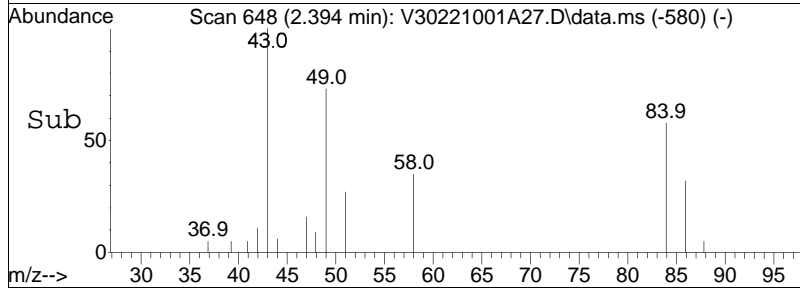
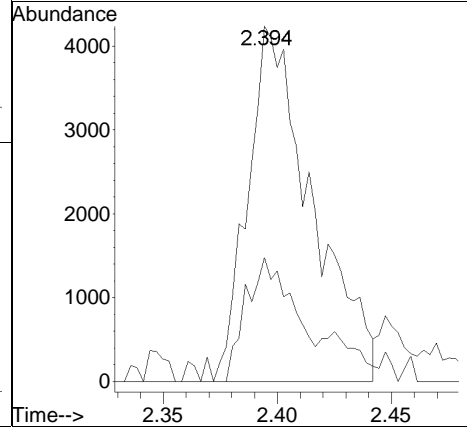
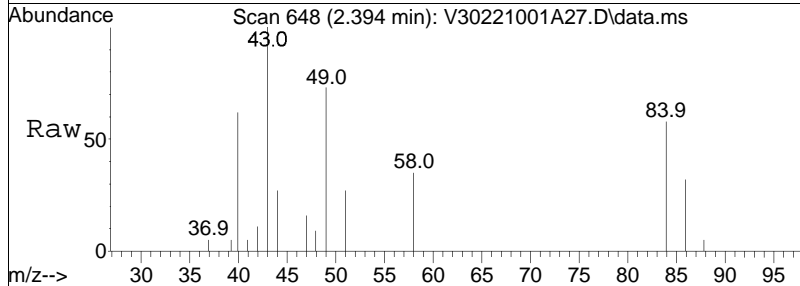
| Tgt Ion: | 84 | Resp: | 68941 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 62.3 | 40.4 | 83.8 |
| 49 | 133.9 | 120.0 | 249.2 |

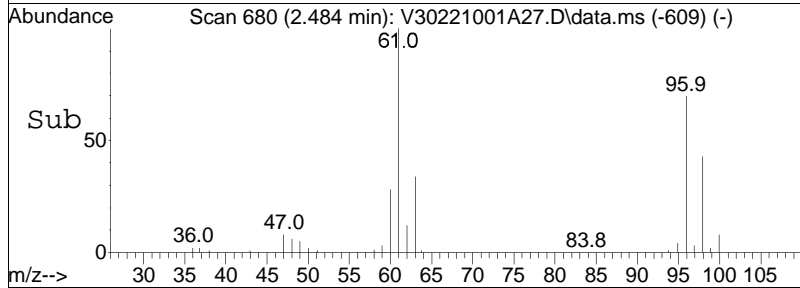
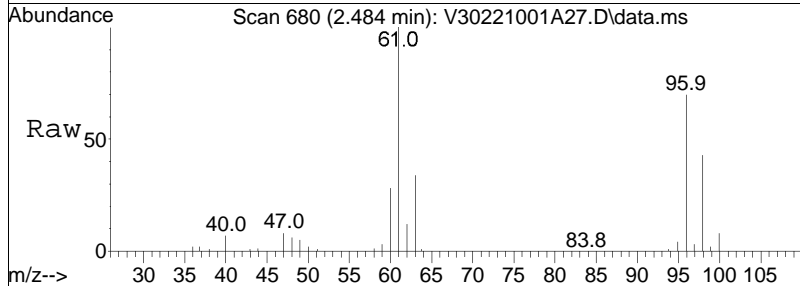
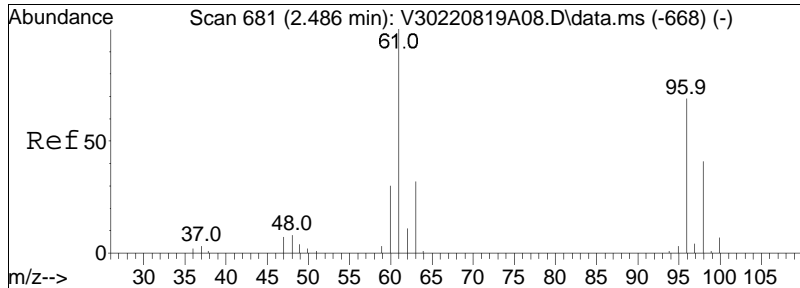




#17
 Acetone
 Concen: 9.61 ug/L
 RT: 2.394 min Scan# 648
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

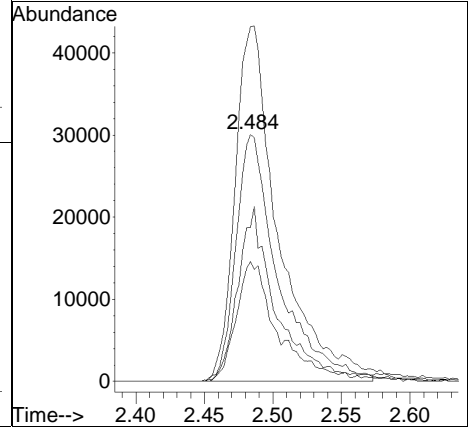
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 43 | 100 | | |
| 58 | 25.6 | 24.2 | 36.4 |

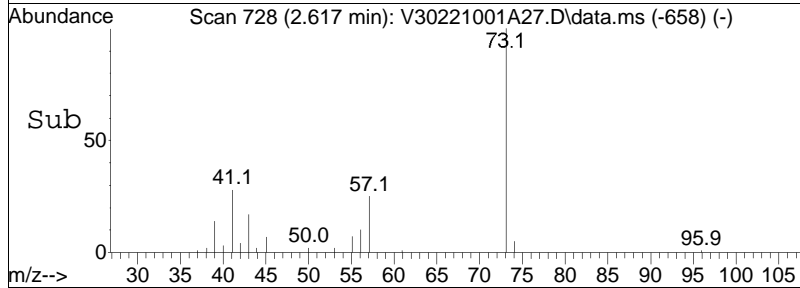
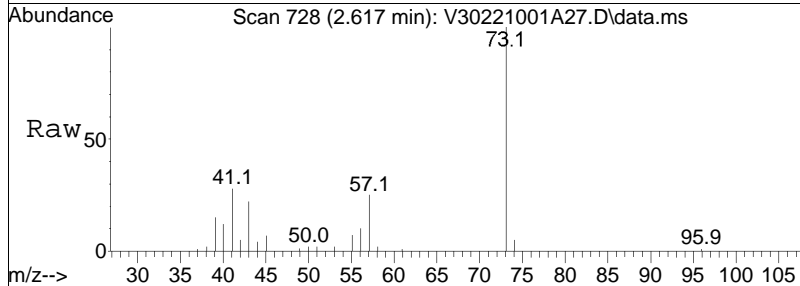
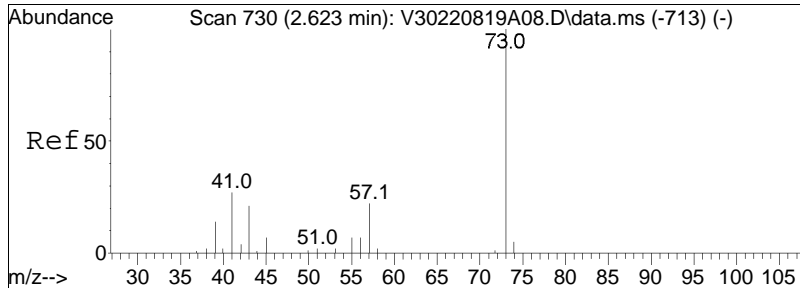




#18
 trans-1,2-Dichloroethene
 Concen: 11.98 ug/L
 RT: 2.484 min Scan# 680
 Delta R.T. -0.002 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

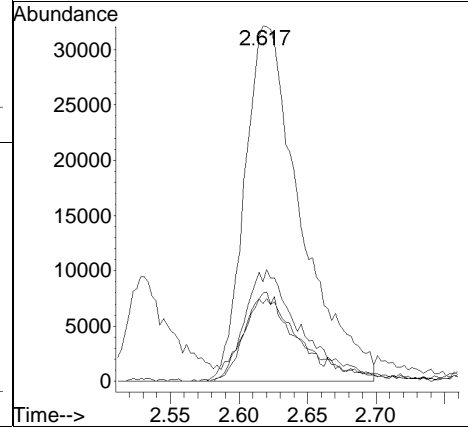
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 64998 | | |
| 96 | 100 | | |
| 61 | 142.4 | 124.0 | 257.6 |
| 98 | 65.9 | 41.2 | 85.6 |
| 63 | 47.5 | 38.4 | 79.7 |

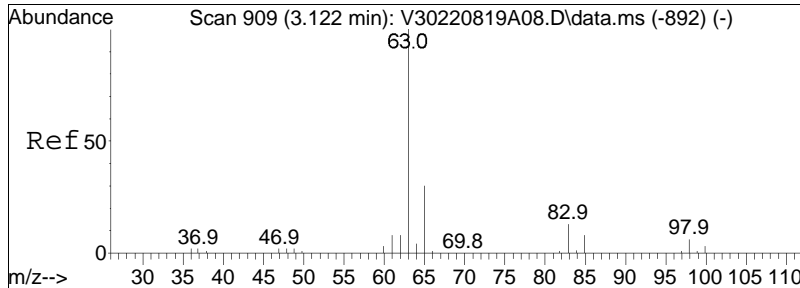




#20
 Methyl tert-butyl ether
 Concen: 8.64 ug/L
 RT: 2.617 min Scan# 728
 Delta R.T. -0.006 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

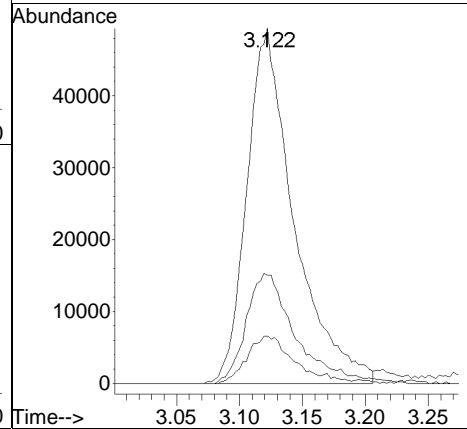
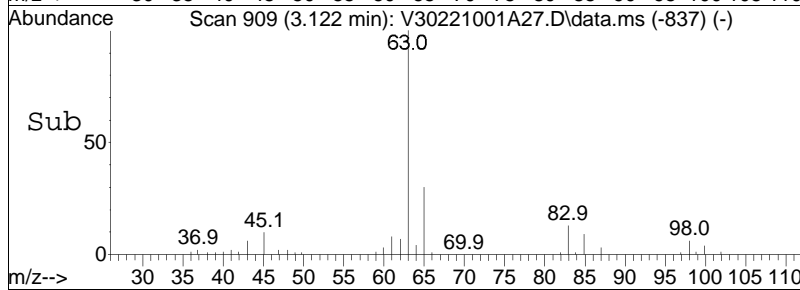
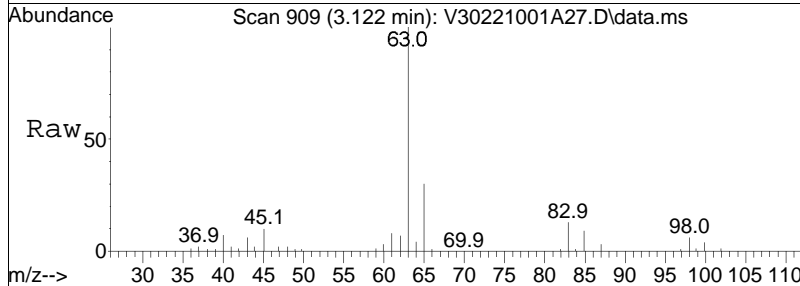
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 73 | 91315 | | |
| 57 | 21.8 | 17.5 | 36.3 |
| 43 | 7.1 | 15.3 | 31.9# |
| 41 | 31.8 | 15.3 | 31.7# |

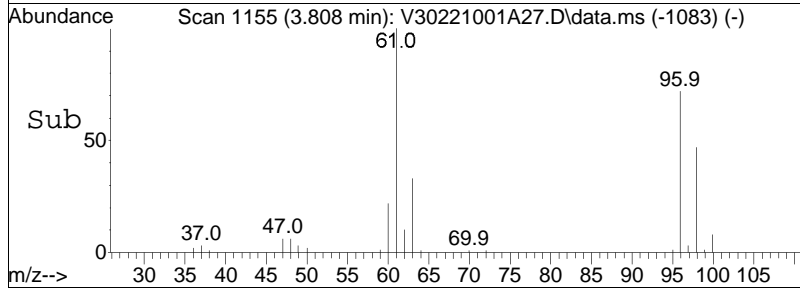
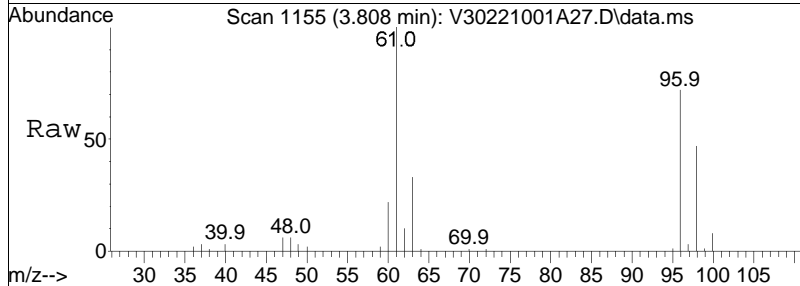
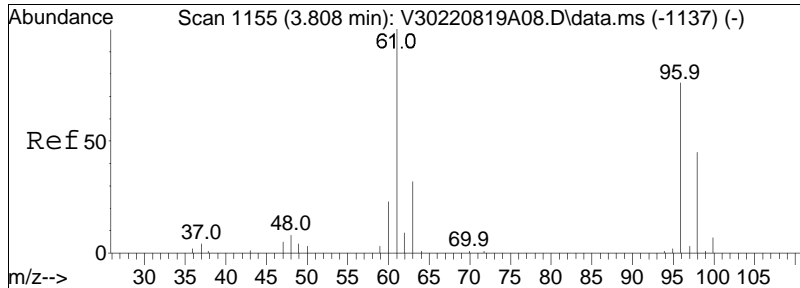




#23
 1,1-Dichloroethane
 Concen: 11.87 ug/L
 RT: 3.122 min Scan# 909
 Delta R.T. 0.000 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

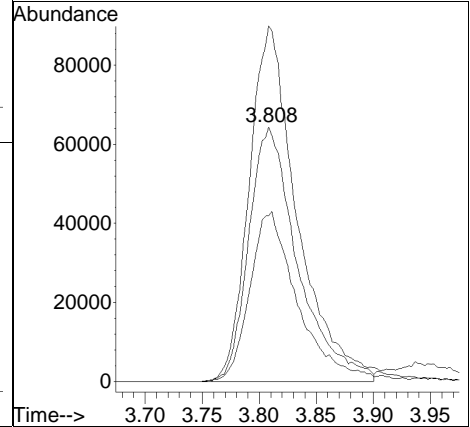
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 63 | 128775 | | |
| 65 | 32.4 | 11.0 | 51.0 |
| 83 | 12.6 | 0.0 | 31.8 |

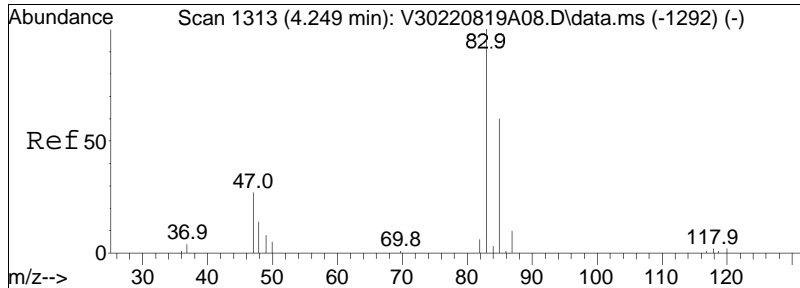




#28
 cis-1,2-Dichloroethene
 Concen: 30.78 ug/L
 RT: 3.808 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

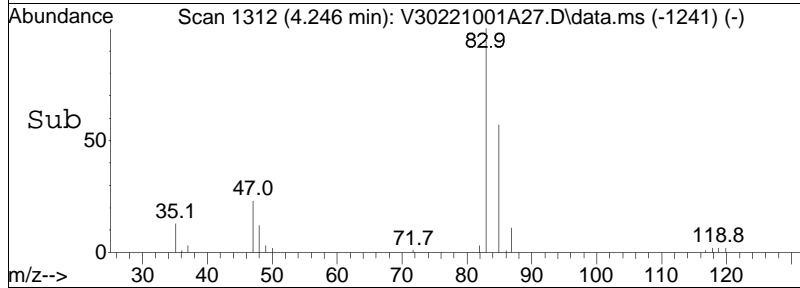
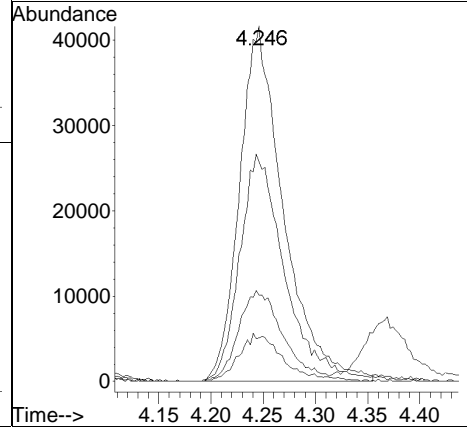
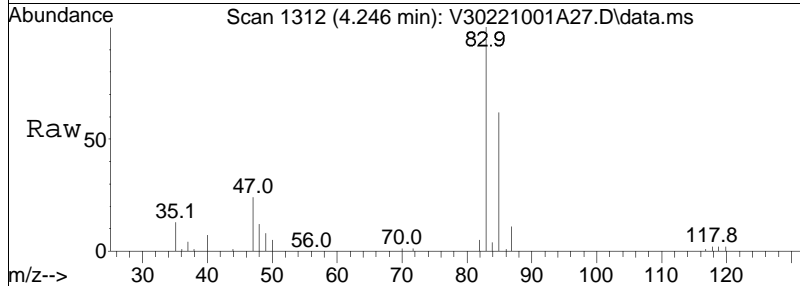
| Tgt Ion: | 96 | Resp: | 191908 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 137.6 | 149.4 | 224.2# |
| 98 | 65.2 | 53.4 | 80.2 |

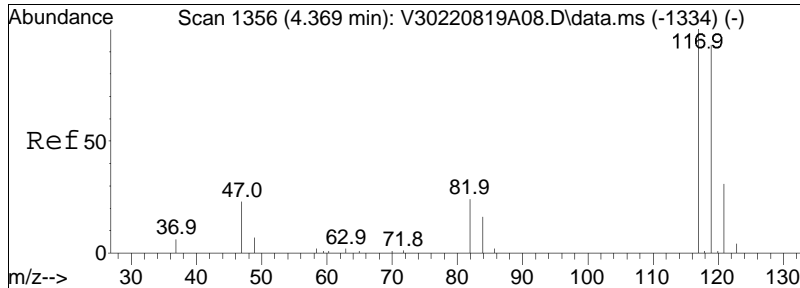




#32
 Chloroform
 Concen: 11.47 ug/L
 RT: 4.246 min Scan# 1312
 Delta R.T. -0.003 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

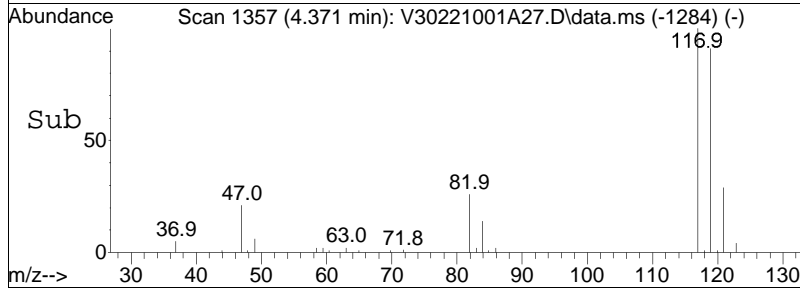
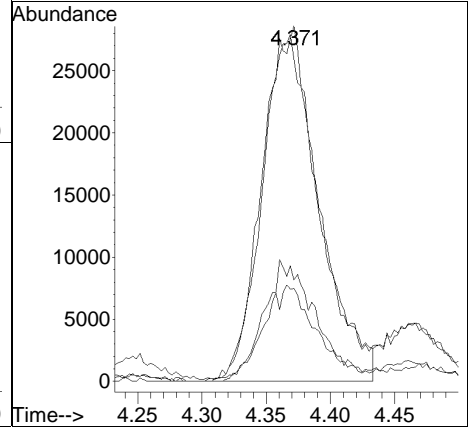
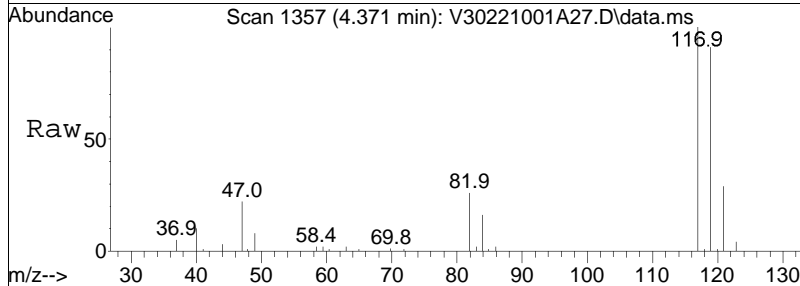
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 121956 | | |
| 85 | 65.6 | 41.5 | 86.1 |
| 47 | 26.0 | 19.0 | 39.4 |
| 48 | 6.2 | 9.9 | 20.5# |

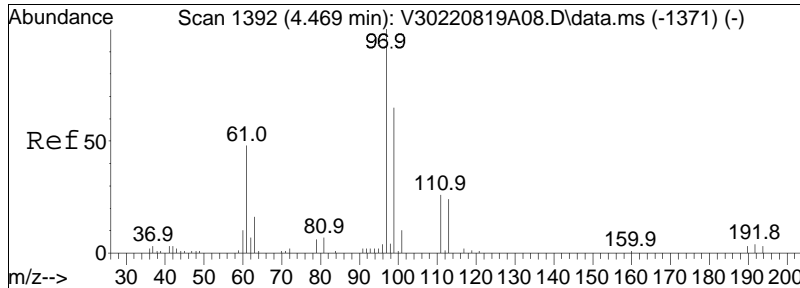




#34
 Carbon tetrachloride
 Concen: 11.75 ug/L
 RT: 4.371 min Scan# 1357
 Delta R.T. 0.002 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

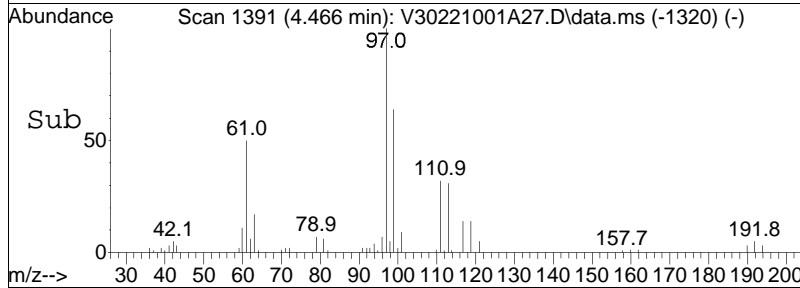
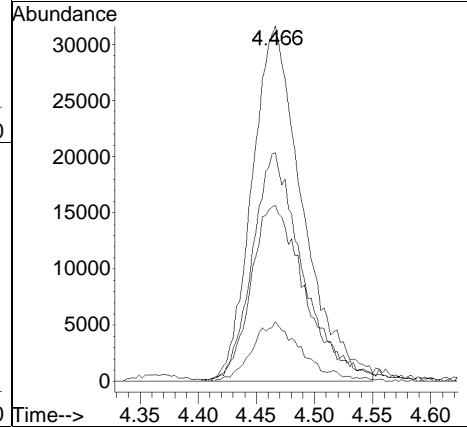
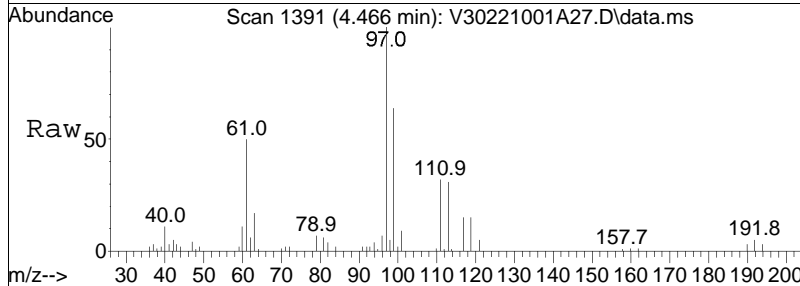
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 117 | 100 | | |
| 119 | 95.7 | 62.4 | 129.6 |
| 121 | 30.8 | 19.5 | 40.5 |
| 82 | 8.5 | 17.0 | 35.4# |

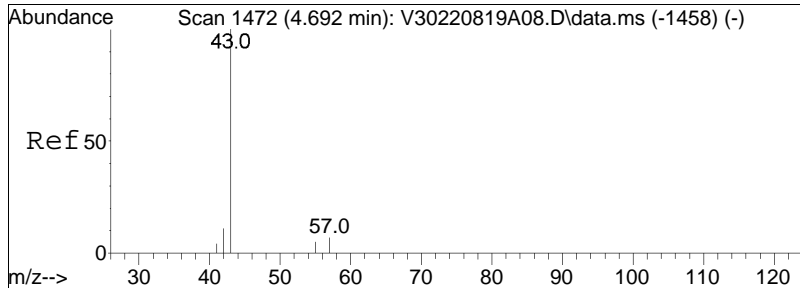




#37
 1,1,1-Trichloroethane
 Concen: 10.83 ug/L
 RT: 4.466 min Scan# 1391
 Delta R.T. -0.003 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

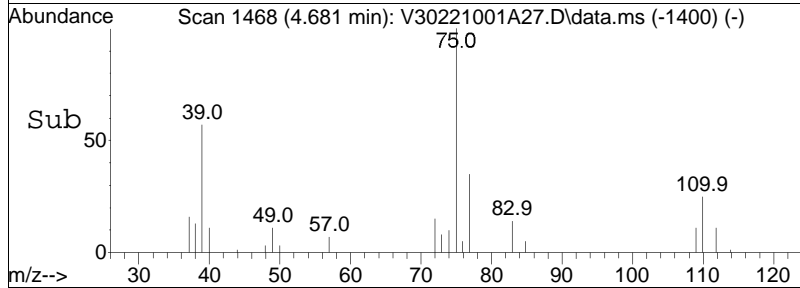
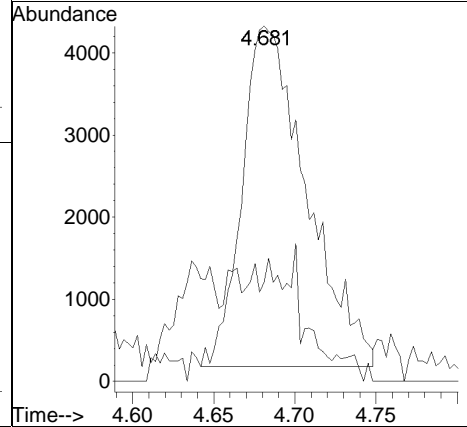
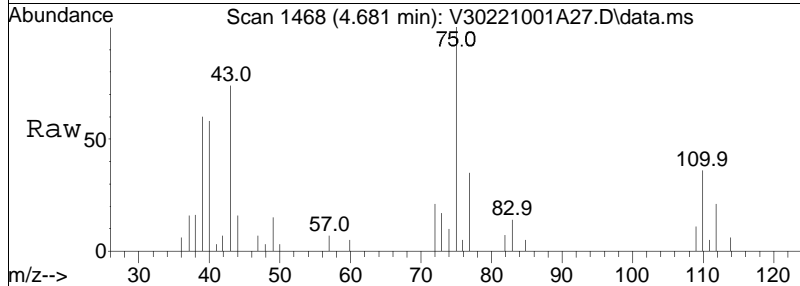
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 63.5 | 40.7 | 84.5 |
| 61 | 53.4 | 35.4 | 73.4 |
| 63 | 15.5 | 5.0 | 10.4 |

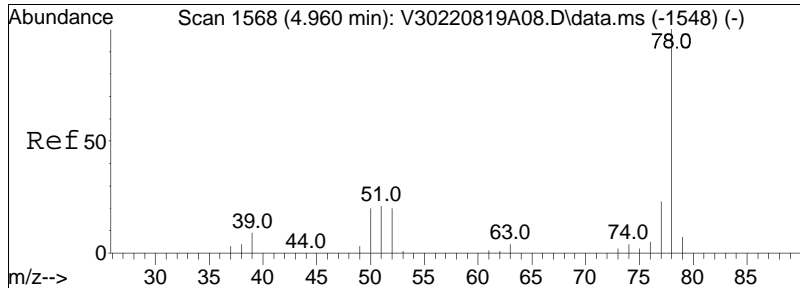




#39
 2-Butanone
 Concen: 8.64 ug/L
 RT: 4.681 min Scan# 1468
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

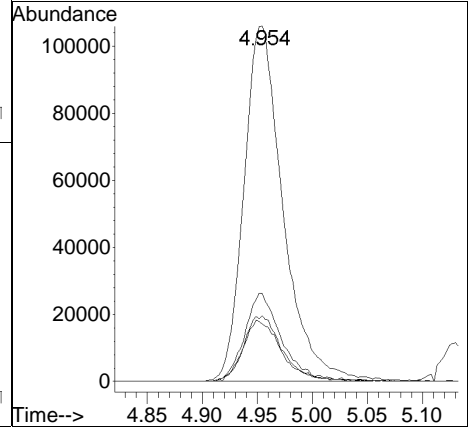
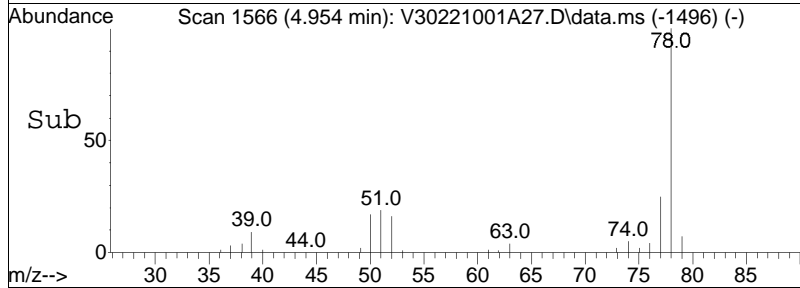
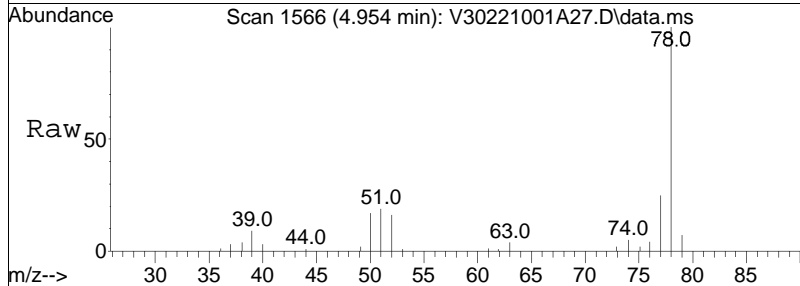
Tgt Ion: 43 Resp: 11491
 Ion Ratio Lower Upper
 43 100
 72 2.6 10.9 16.3#

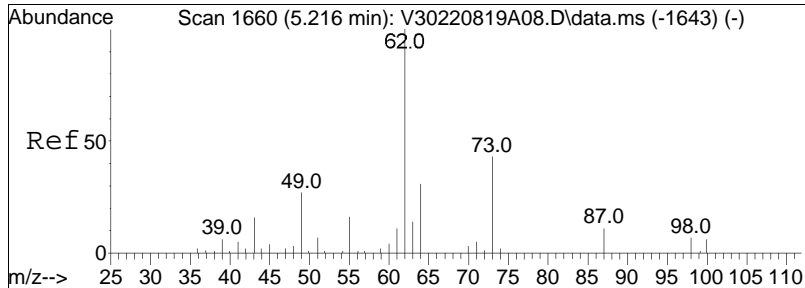




#41
 Benzene
 Concen: 11.75 ug/L
 RT: 4.954 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

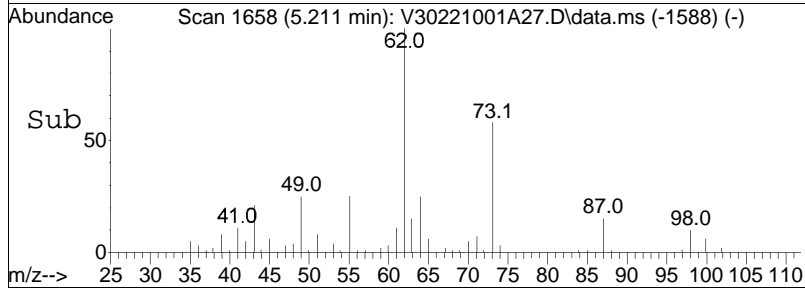
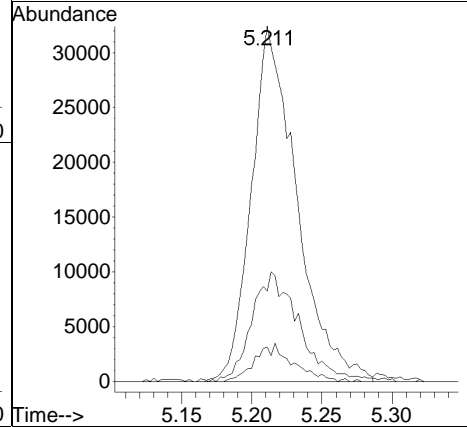
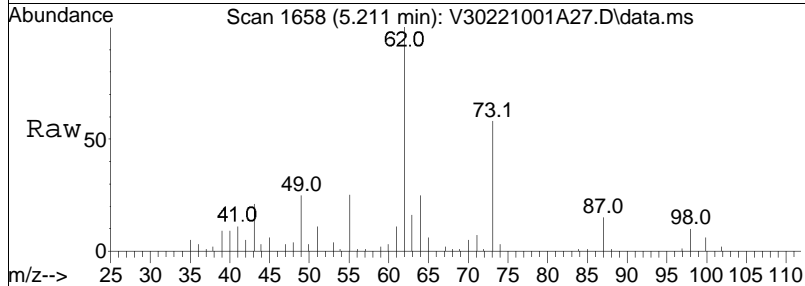
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 23.4 | 15.7 | 32.7 |
| 51 | 18.1 | 16.0 | 33.2 |
| 52 | 16.8 | 15.3 | 31.9 |

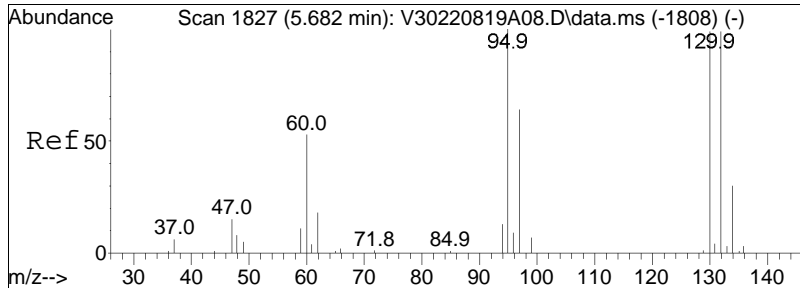




#44
 1,2-Dichloroethane
 Concen: 9.34 ug/L
 RT: 5.211 min Scan# 1658
 Delta R.T. -0.005 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

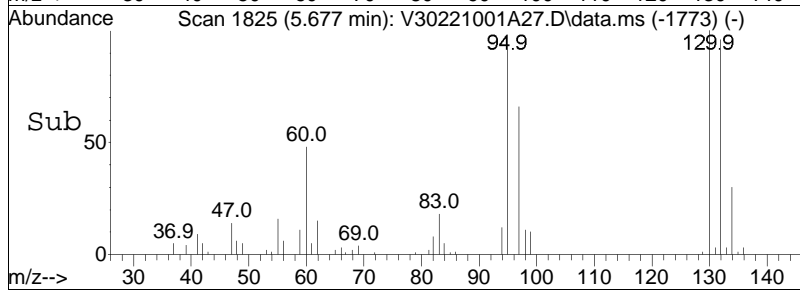
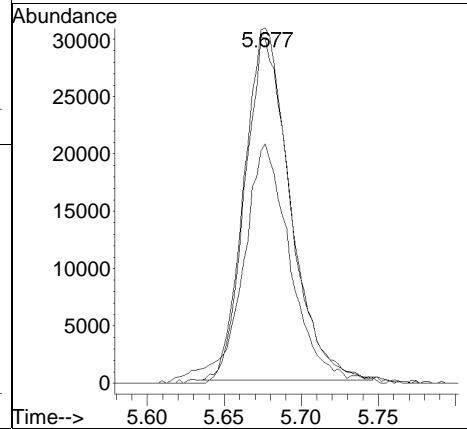
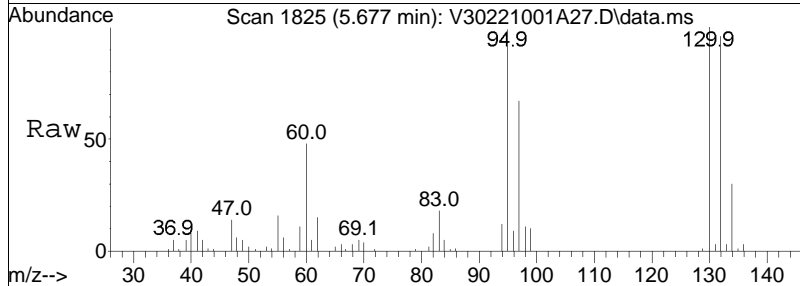
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 62 | 100 | | |
| 64 | 31.8 | 11.2 | 51.2 |
| 98 | 4.1 | 0.0 | 26.1 |

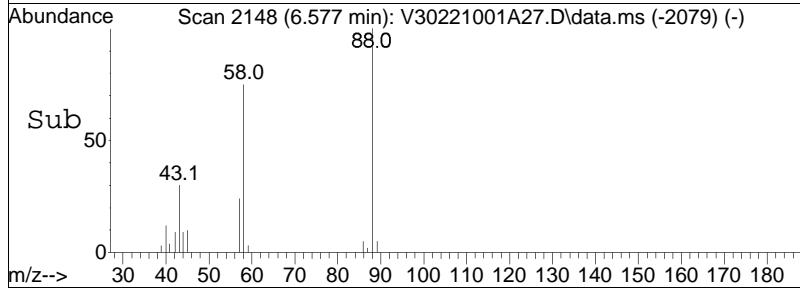
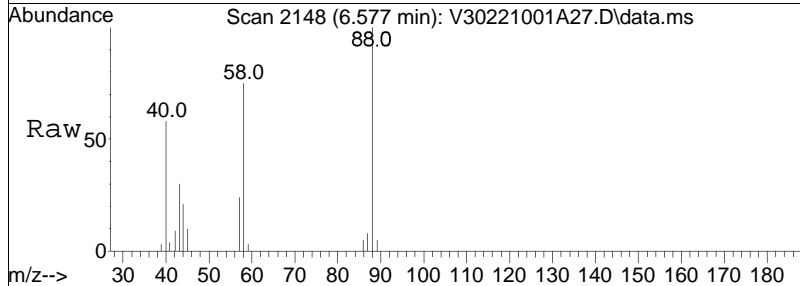
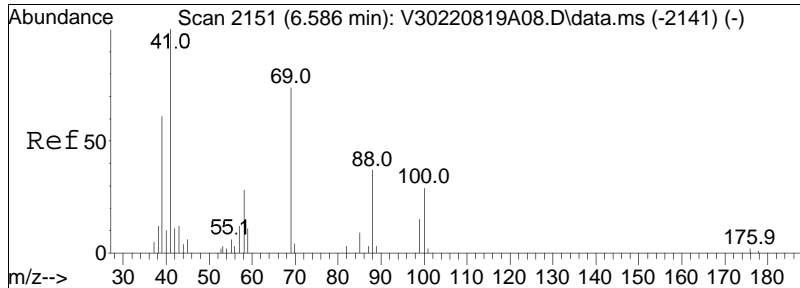




#48
 Trichloroethene
 Concen: 11.01 ug/L
 RT: 5.677 min Scan# 1825
 Delta R.T. -0.005 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

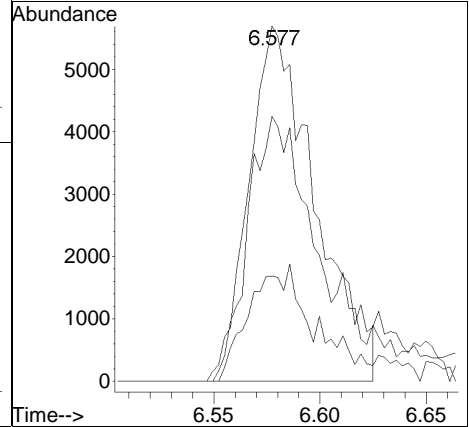
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 63980 | | |
| 95 | 100 | | |
| 97 | 70.3 | 55.5 | 83.3 |
| 132 | 99.0 | 76.6 | 115.0 |

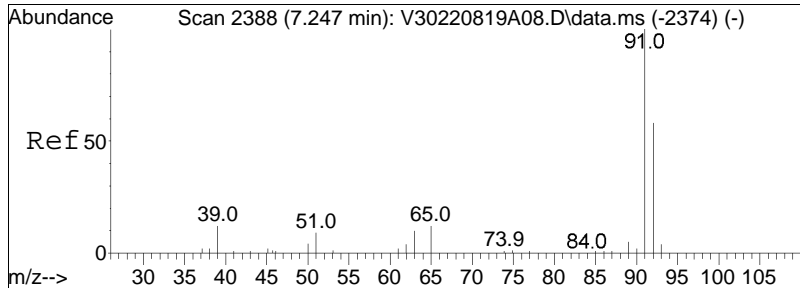




#57
 1,4-Dioxane
 Concen: 637.94 ug/L
 RT: 6.577 min Scan# 2148
 Delta R.T. -0.009 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

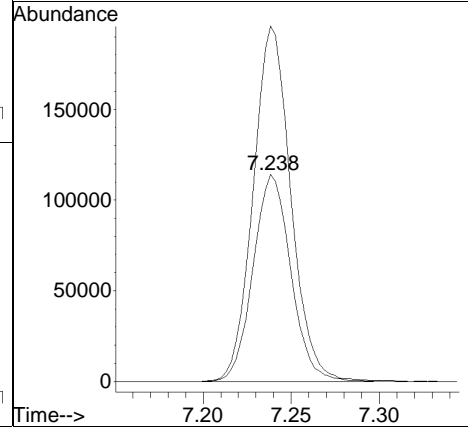
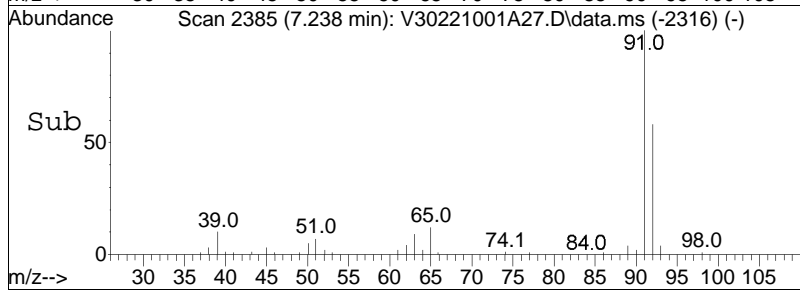
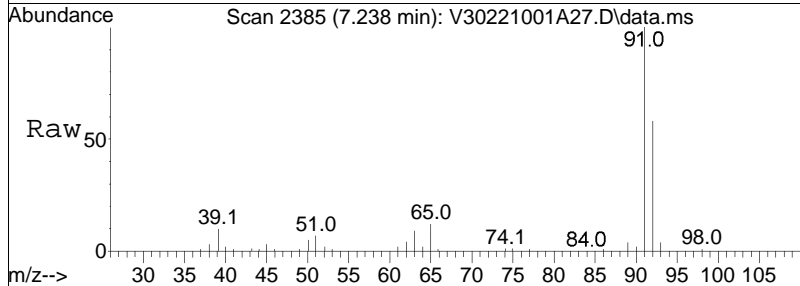
| Tgt Ion: | 88 | Resp: | 12451 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 66.8 | 76.7 | 115.1# |
| 43 | 25.1 | 36.2 | 54.2# |

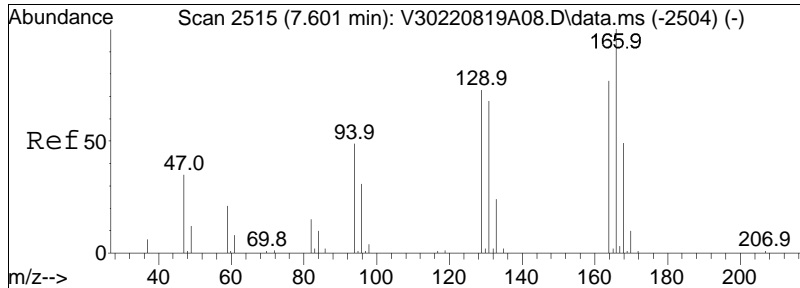




#61
 Toluene
 Concen: 11.35 ug/L
 RT: 7.238 min Scan# 2385
 Delta R.T. -0.009 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

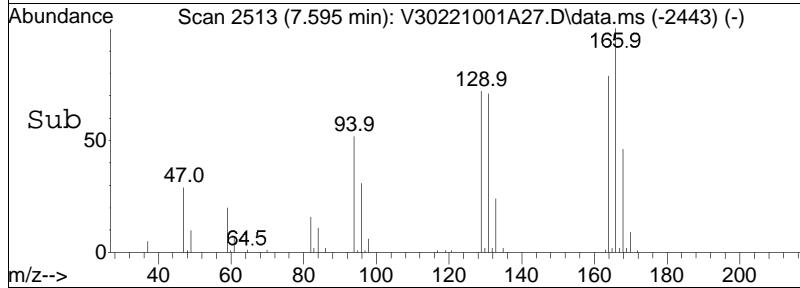
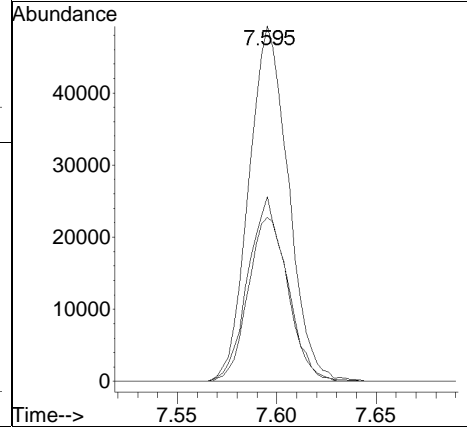
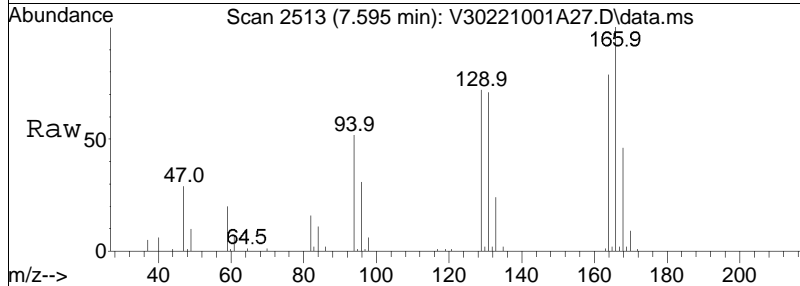
Tgt Ion: 92 Resp: 169874
 Ion Ratio Lower Upper
 92 100
 91 171.4 139.8 209.6

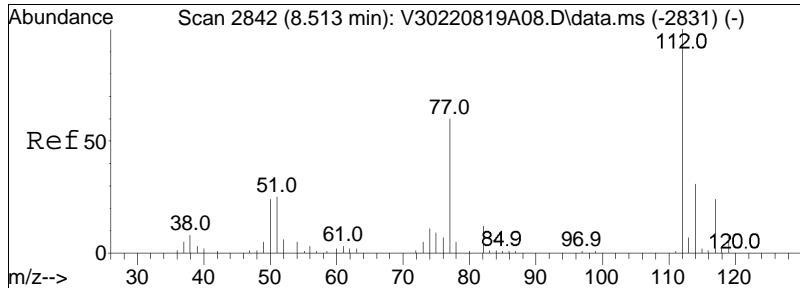




#63
 Tetrachloroethene
 Concen: 10.76 ug/L
 RT: 7.595 min Scan# 2513
 Delta R.T. -0.006 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

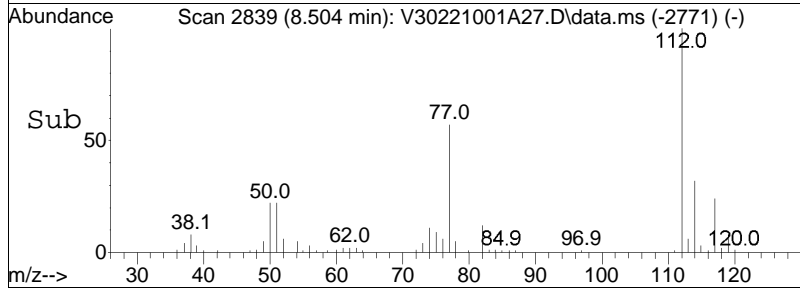
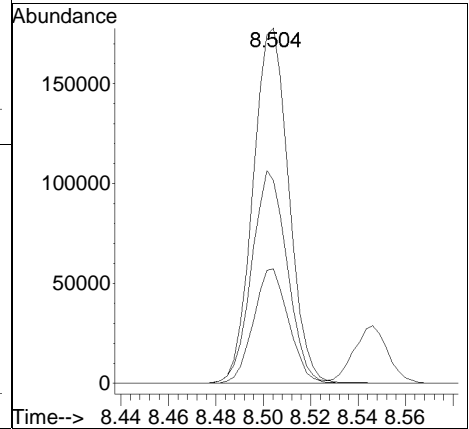
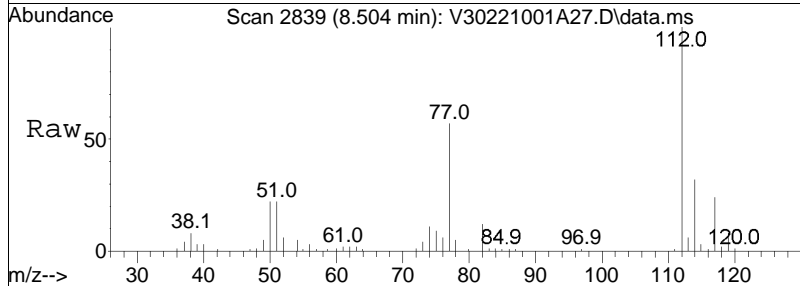
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 47.5 | 28.2 | 68.2 |
| 94 | 50.0 | 38.4 | 78.4 |

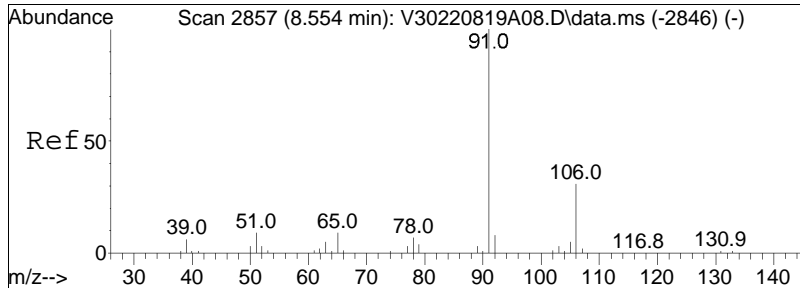




#73
 Chlorobenzene
 Concen: 11.30 ug/L
 RT: 8.504 min Scan# 2839
 Delta R.T. -0.009 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

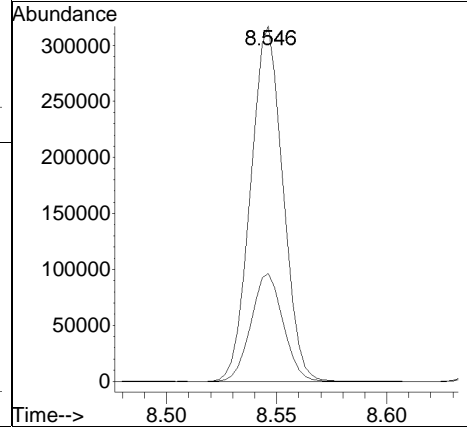
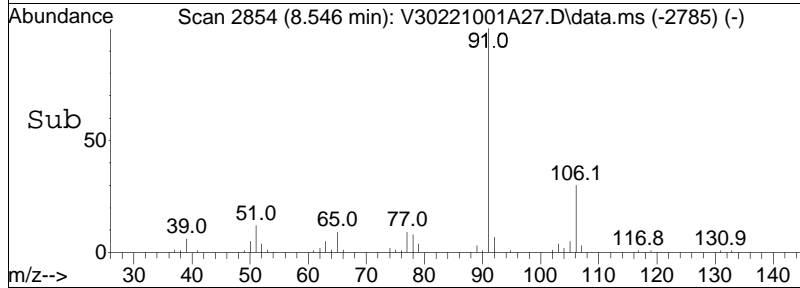
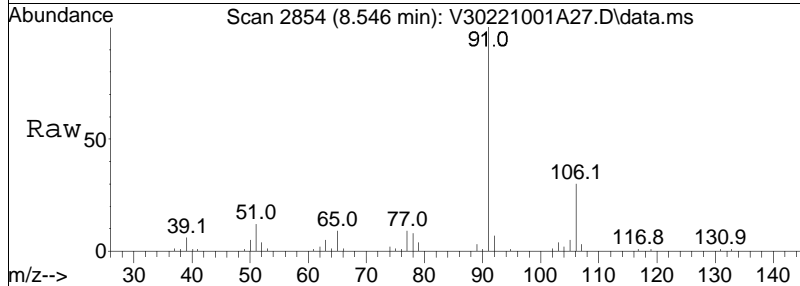
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 77 | 59.2 | 55.4 | 83.0 |
| 114 | 31.6 | 25.4 | 38.2 |

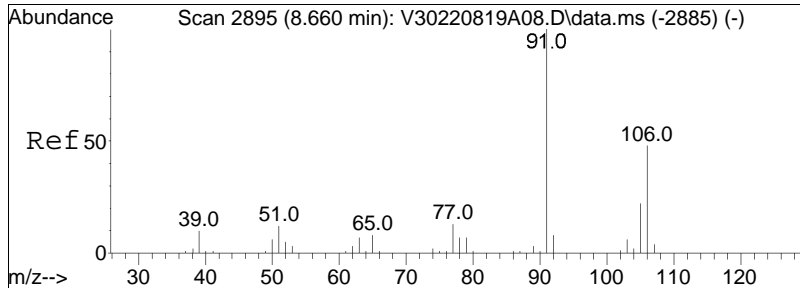




#74
 Ethylbenzene
 Concen: 11.09 ug/L
 RT: 8.546 min Scan# 2854
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

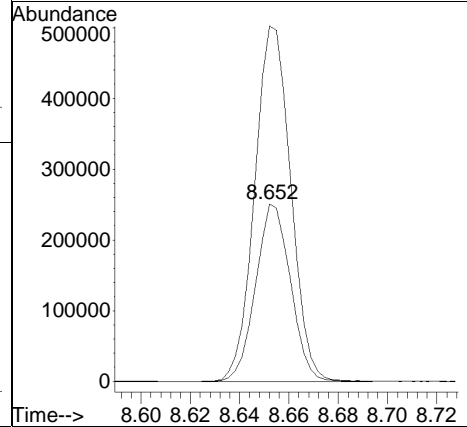
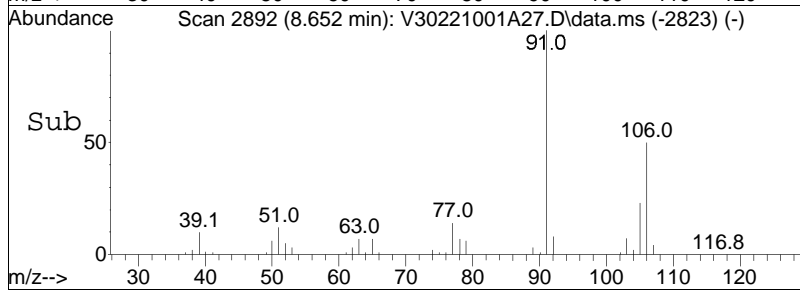
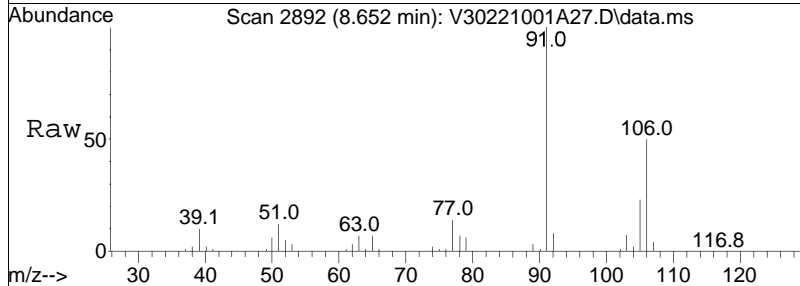
Tgt Ion: 91 Resp: 323297
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.3 36.5

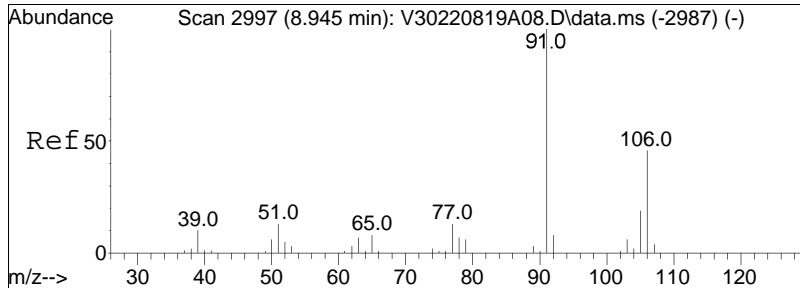




#76
 p/m Xylene
 Concen: 22.73 ug/L
 RT: 8.652 min Scan# 2892
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

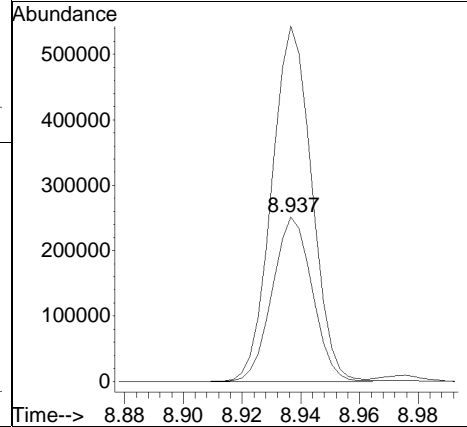
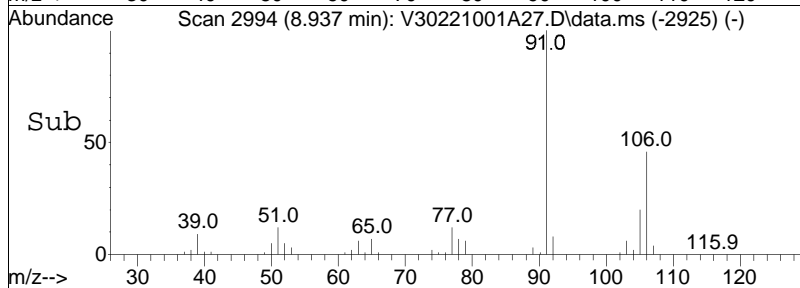
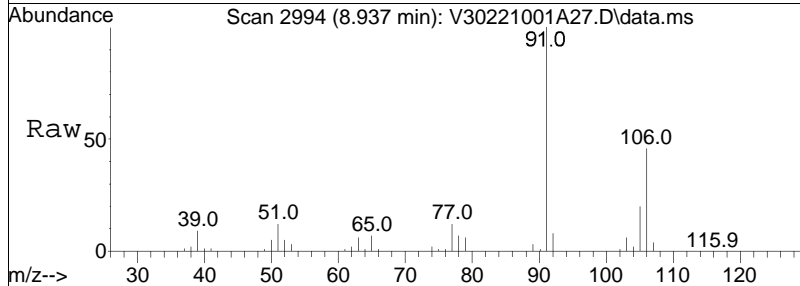
| Tgt Ion | 106 | 91 | Resp | 246423 |
|-----------|-----|-------|-------|--------|
| Ion Ratio | 100 | 207.2 | Lower | Upper |
| | | | 166.4 | 249.6 |

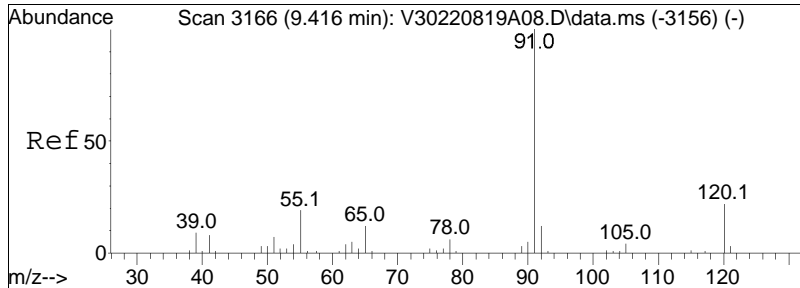




#77
 o Xylene
 Concen: 22.43 ug/L
 RT: 8.937 min Scan# 2994
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

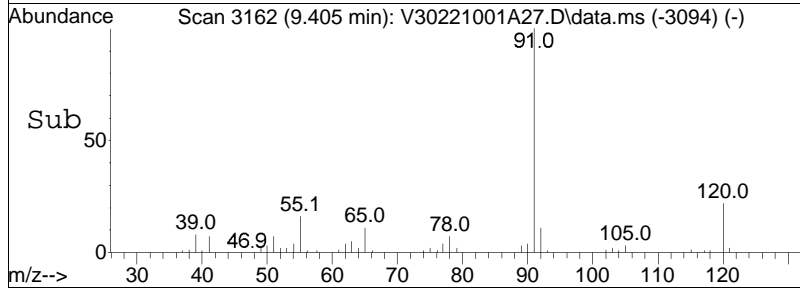
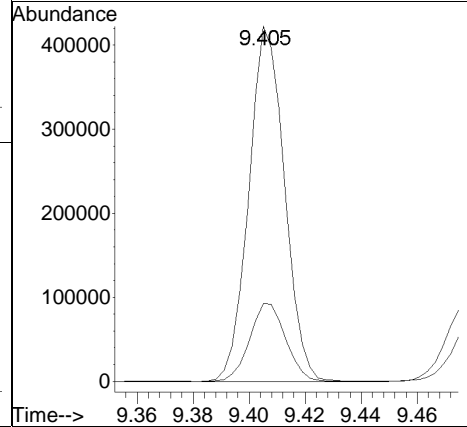
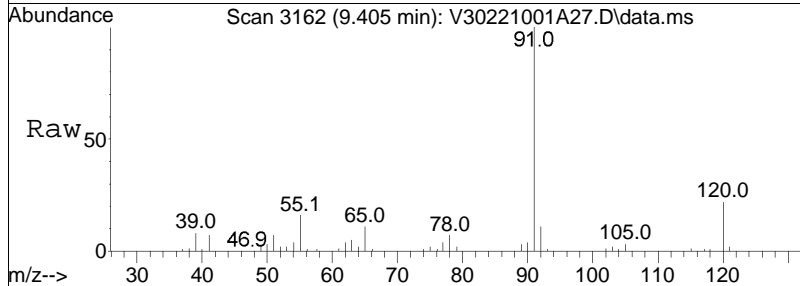
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 216.2 | 182.6 | 273.8 |

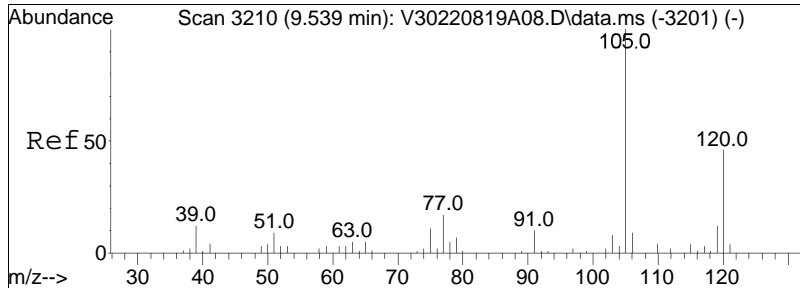




#85
 n-Propylbenzene
 Concen: 10.98 ug/L
 RT: 9.405 min Scan# 3162
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

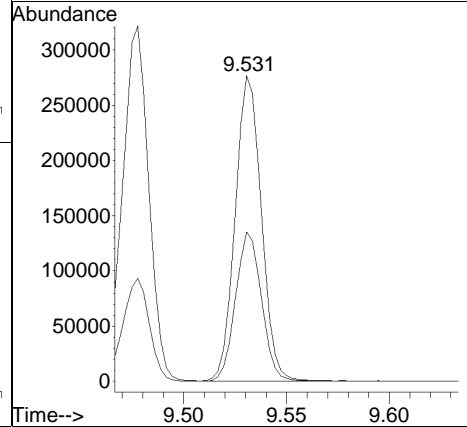
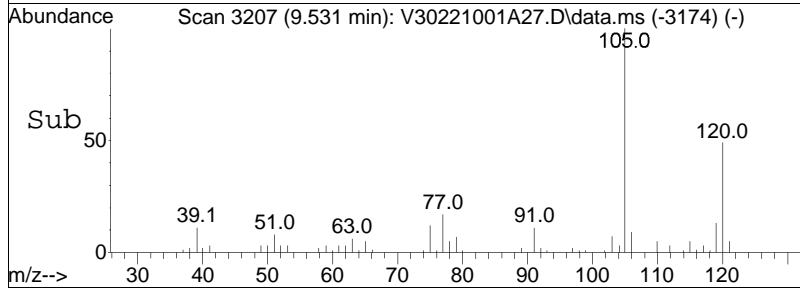
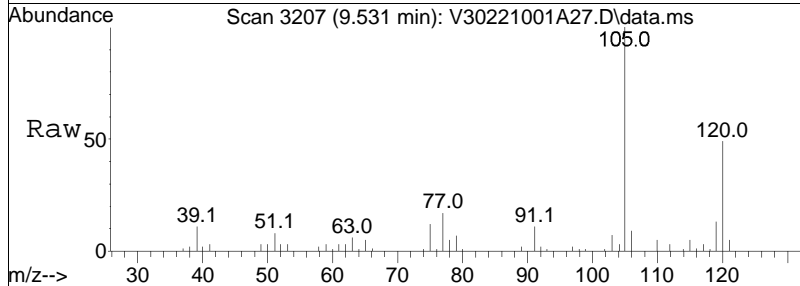
Tgt Ion: 91 Resp: 373416
 Ion Ratio Lower Upper
 91 100
 120 22.2 17.0 25.6

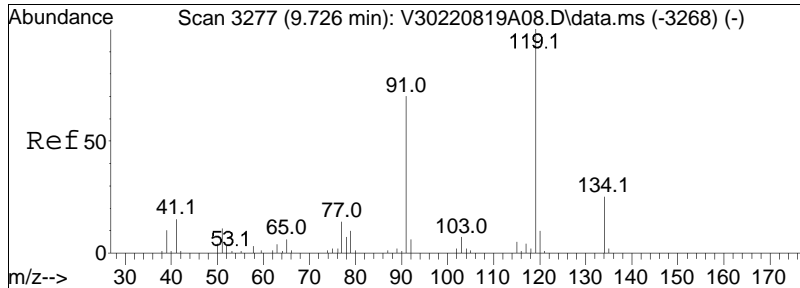




#90
 1,3,5-Trimethylbenzene
 Concen: 10.19 ug/L
 RT: 9.531 min Scan# 3207
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

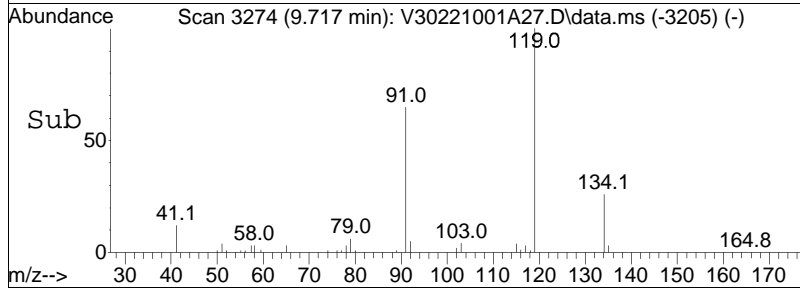
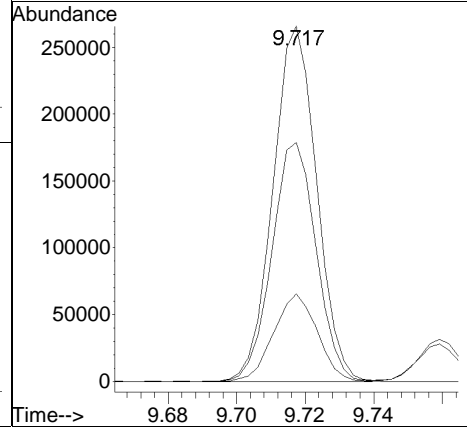
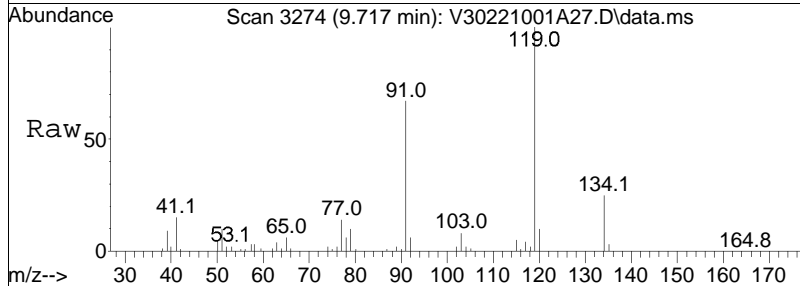
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 48.3 | 34.8 | 52.2 |

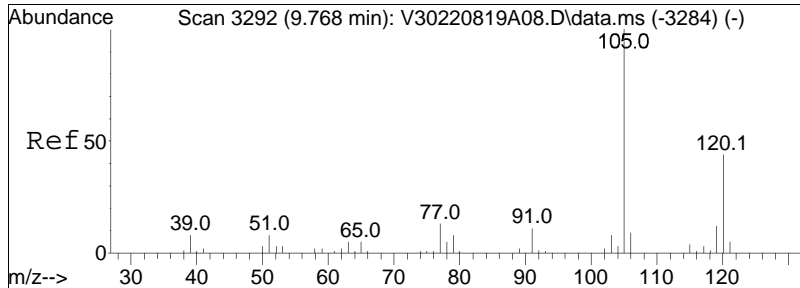




#94
 tert-Butylbenzene
 Concen: 11.36 ug/L
 RT: 9.717 min Scan# 3274
 Delta R.T. -0.009 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

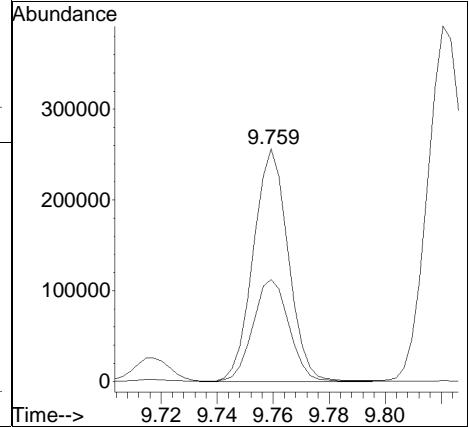
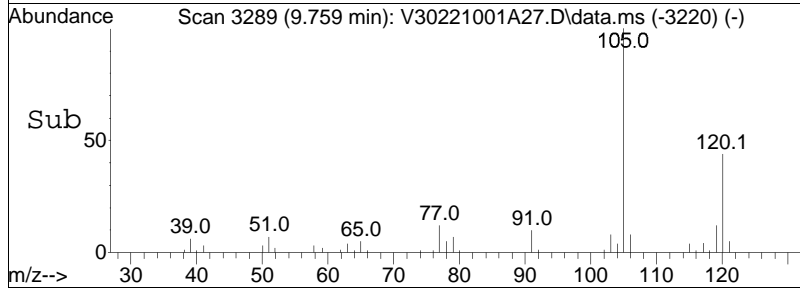
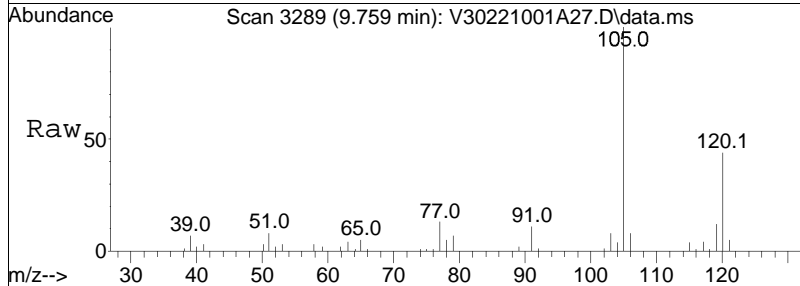
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119 | 100 | | |
| 91 | 68.1 | 51.4 | 77.2 |
| 134 | 24.6 | 18.3 | 27.5 |

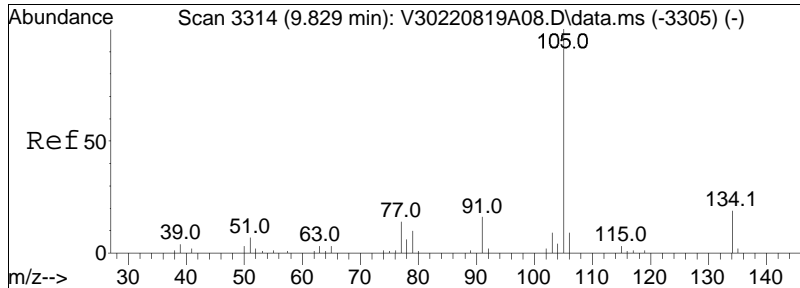




#97
 1,2,4-Trimethylbenzene
 Concen: 9.42 ug/L
 RT: 9.759 min Scan# 3289
 Delta R.T. -0.009 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

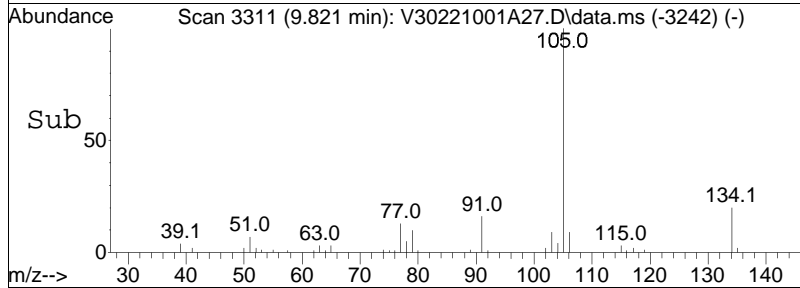
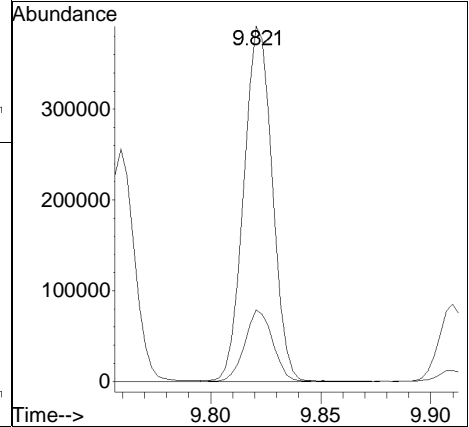
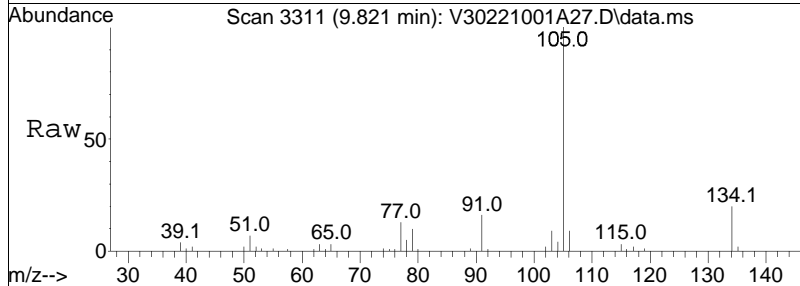
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 44.9 | 33.4 | 50.0 |

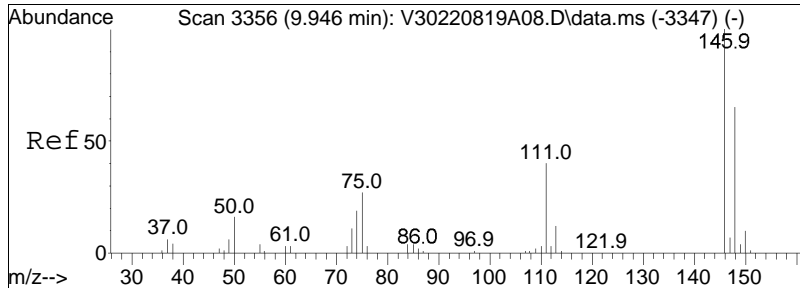




#98
 sec-Butylbenzene
 Concen: 11.35 ug/L
 RT: 9.821 min Scan# 3311
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

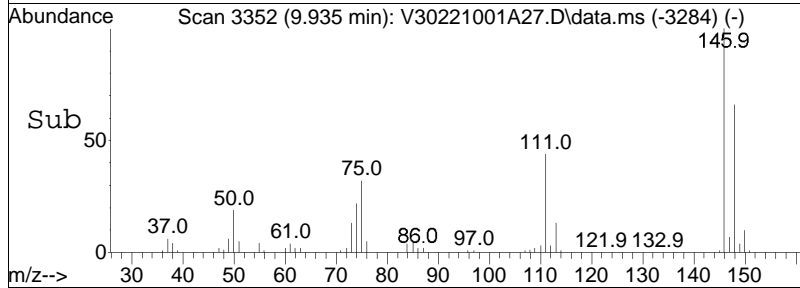
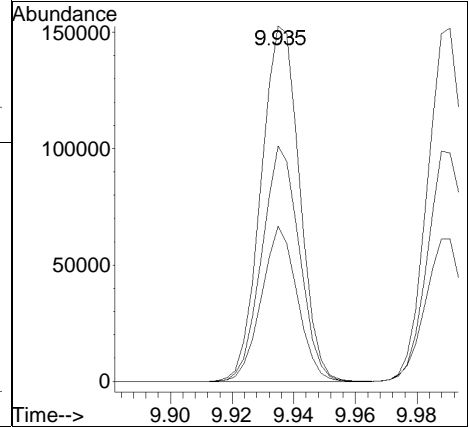
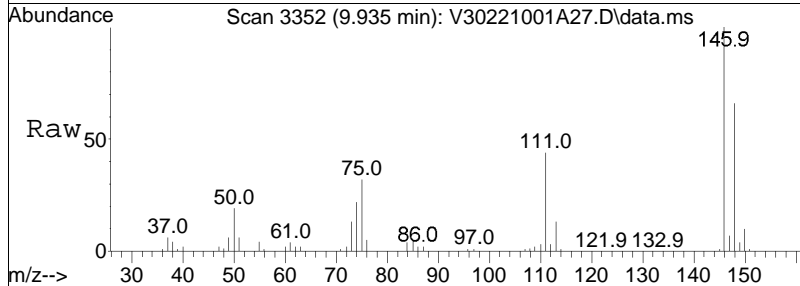
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 19.6 | 12.5 | 26.1 |

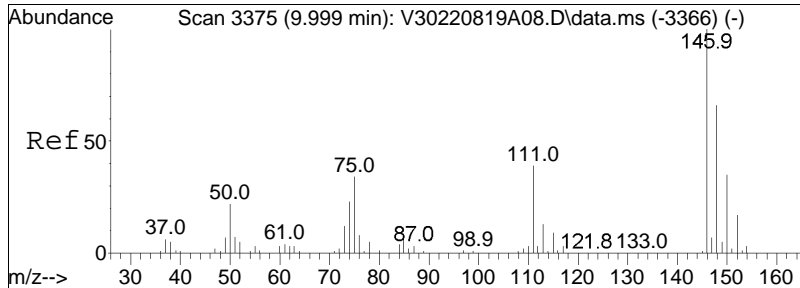




#100
 1,3-Dichlorobenzene
 Concen: 9.89 ug/L
 RT: 9.935 min Scan# 3352
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

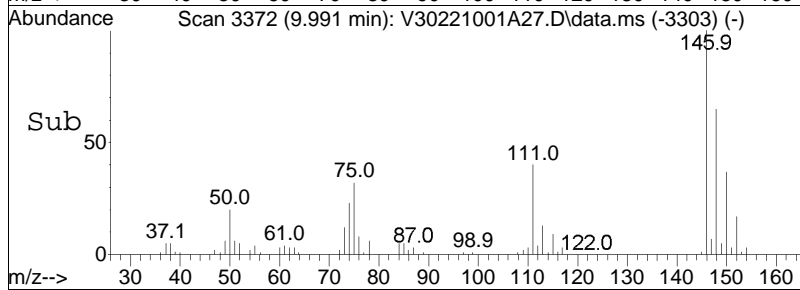
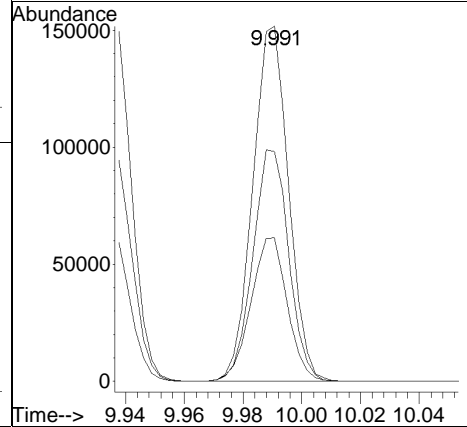
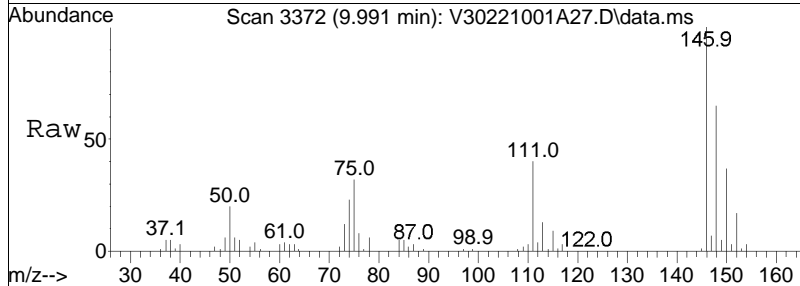
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 40.7 | 27.5 | 57.1 |
| 148 | 64.4 | 41.9 | 86.9 |

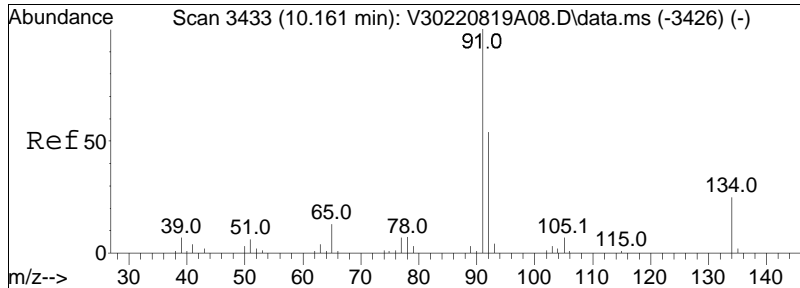




#101
 1,4-Dichlorobenzene
 Concen: 9.53 ug/L
 RT: 9.991 min Scan# 3372
 Delta R.T. -0.008 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

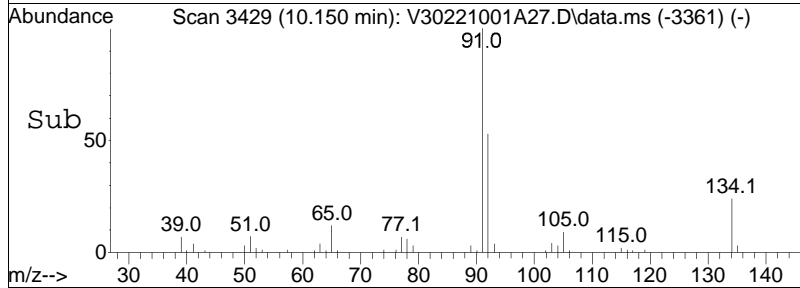
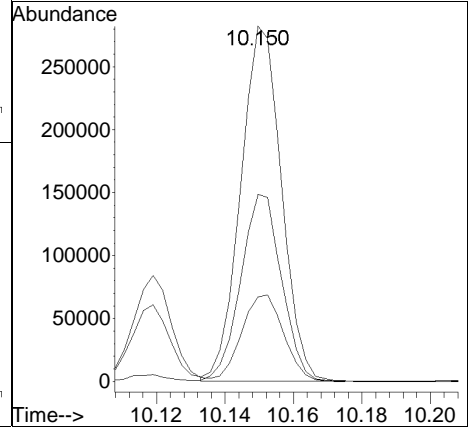
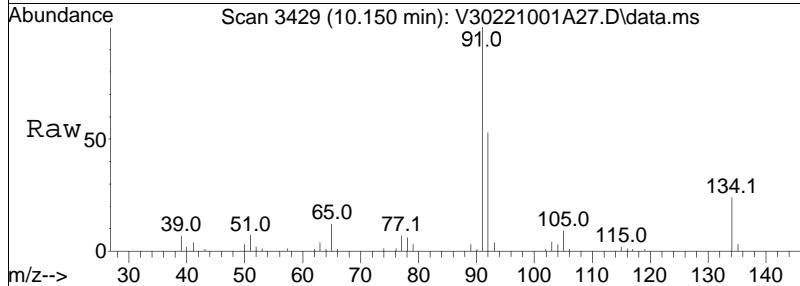
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 41.3 | 32.3 | 48.5 |
| 148 | 65.5 | 49.9 | 74.9 |

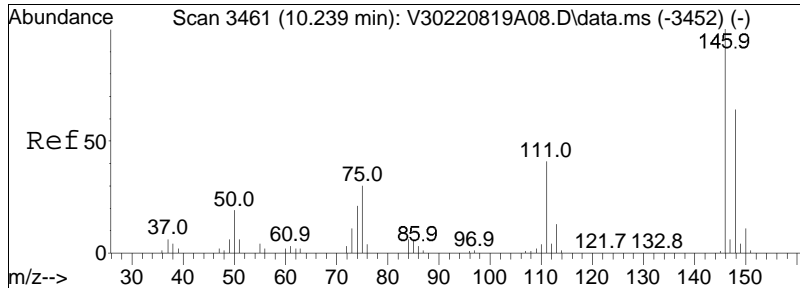




#103
 n-Butylbenzene
 Concen: 9.45 ug/L
 RT: 10.150 min Scan# 3429
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

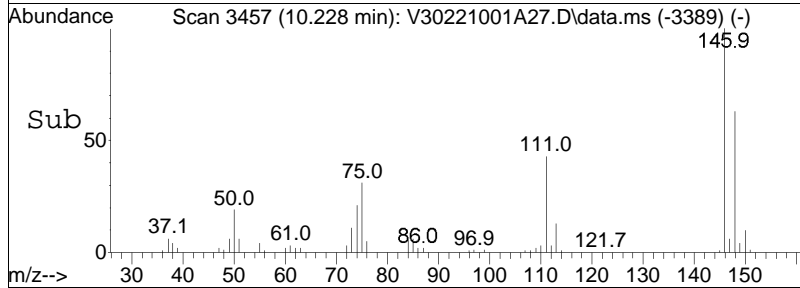
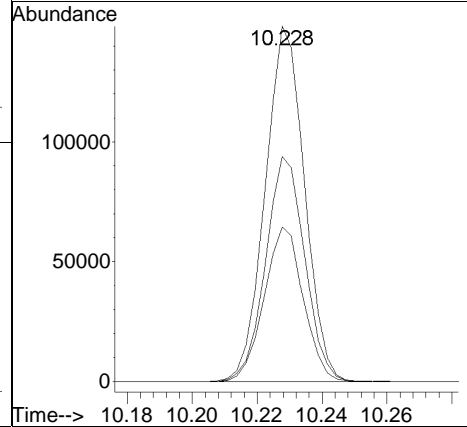
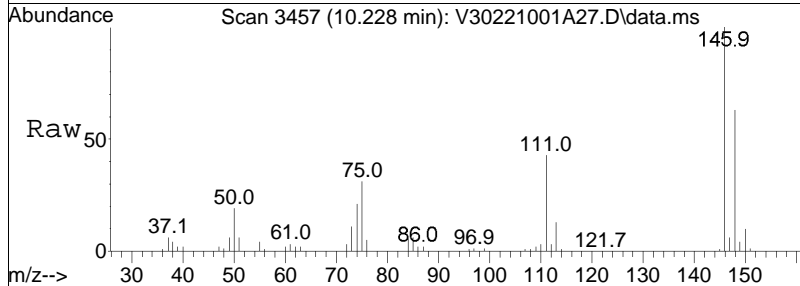
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 91 | 100 | | |
| 92 | 52.8 | 43.0 | 64.4 |
| 134 | 25.0 | 19.6 | 29.4 |





#104
 1,2-Dichlorobenzene
 Concen: 9.91 ug/L
 RT: 10.228 min Scan# 3457
 Delta R.T. -0.011 min
 Lab File: V30221001A27.D
 Acq: 01 Oct 2022 05:58 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 43.2 | 28.3 | 58.7 |
| 148 | 63.0 | 42.3 | 87.8 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA130\2022\2QMethod : VOA130_220819A_8260.m
Data File : V30221001A27.D Operator : VOA130:MKS
Date Inj'd : 10/1/2022 5:58 pm Instrument : VOA130
Sample : WG1694829-7,31,10,10,,a2 Quant Date : 10/3/2022 8:53 am

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



Calculation of Volatile Organic Compounds

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

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

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

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)



ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 04 2022, 11:19 am

Work Group: WG1694829 for Department: 31 GC/MS - Volatiles

Created: 03-OCT-22 Due: Operator: MKS

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|-----------------|--------|------|----|------|------|----|----------|
| L2253502-01 | MW-21 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-02 | MW-23 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-03 | MW-19 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-04 | MW-25I | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-06 | MW-24I | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-07 | MW-D2 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-09 | MW-D2I | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-10 | MW-10 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-11 | FB_09282022 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-12 | DUP_09282022 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253502-13 | TB_09282022 | S NYTCL-8260 | WATER | DONE | U | 1010 | 1004 | S0 | Vial-B |
| L2253676-04 | MW-9 | S NYTCL-8260-R2 | WATER | DONE | U | 1012 | 1005 | 3E | Vial-B |
| L2253676-05 | TRIP BLANK | S NYTCL-8260-R2 | WATER | DONE | U | 1012 | 1005 | 3E | Vial-B |
| L2253676-06 | DUPE | S NYTCL-8260-R2 | WATER | DONE | U | 1012 | 1005 | 3E | Vial-B |
| L2254141-02 | WEST MONITOR WELL | S NYTCL-8260-R2 | WATER | DONE | U | 1014 | 1003 | 3A | Vial-B |
| WG1694829-1 | MS BFB Tune Standard | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-1 | MS BFB Tune Standard | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694829-2 | Continuing Calibrati | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694829-2 | Continuing Calibrati | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-3 | Laboratory Control S | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-3 | Laboratory Control S | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694829-4 | LCS Duplicate | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-4 | LCS Duplicate | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694829-5 | Laboratory Method Bl | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-5 | Laboratory Method Bl | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694829-6 | Matrix Spike | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694829-6 | Matrix Spike | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-7 | Matrix Spike Duplica | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1694829-7 | Matrix Spike Duplica | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| Comments: | | | | | | | | | |
| WG1694829-4 | WG1694829-3 | | | | | | | | |
| WG1694829-6 | L2253502-04 | | | | | | | | |
| WG1694829-7 | L2253502-04 | | | | | | | | |

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 04 2022, 11:19 am

Work Group: WG1694869 for Department: 31 GC/MS - Volatiles

Created: 03-OCT-22 Due: Operator: PD

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|-----------------|--------|------|----|------|------|----|----------|
| L2251647-25 | MW-2B | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-26 | MW-2A | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-27 | MW-103B | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-28 | MW-103A | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-29 | MW-104AR | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-30 | MW-104BR | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2251647-31 | SHOPWELL | S NYTCL-8260 | WATER | SEC | U | 1006 | 1020 | S0 | Vial-B |
| L2252243-01 | MW-601 | S NYTCL-8260-R2 | WATER | SEC | U | 1005 | 1020 | S0 | Vial-B |
| L2252243-03 | MW-804LT | S NYTCL-8260-R2 | WATER | SEC | U | 1005 | 1020 | S0 | Vial-B |
| L2252243-09 | PW-301 | S NYTCL-8260-R2 | WATER | SEC | U | 1005 | 1020 | S0 | Vial-B |
| L2253502-05 | MW-20 | S NYTCL-8260 | WATER | DONE | U | 1012 | 1004 | S0 | Vial-B |
| L2253676-02 | MW-7 | S NYTCL-8260-R2 | WATER | SEC | U | 1012 | 1005 | 3E | Vial-B |
| L2253676-03 | MW-8 | S NYTCL-8260-R2 | WATER | SEC | U | 1012 | 1005 | 3E | Vial-B |
| L2253966-03 | TRIP BLANK | S NYTCL-8260-R2 | WATER | DONE | U | 1013 | 1004 | 3C | Vial-B |
| L2254141-01 | EAST MONITOR WELL | S NYTCL-8260-R2 | WATER | DONE | U | 1014 | 1003 | 3A | Vial-B |
| WG1694869-1 | MS BFB Tune Standard | S NYTCL-8260 | WATER | DACQ | U | | | | |
| WG1694869-1 | MS BFB Tune Standard | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694869-2 | Continuing Calibrati | S NYTCL-8260 | WATER | DACQ | U | | | | |
| WG1694869-2 | Continuing Calibrati | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694869-3 | Laboratory Control S | S NYTCL-8260 | WATER | DACQ | U | | | | |
| WG1694869-3 | Laboratory Control S | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694869-4 | LCS Duplicate | S NYTCL-8260 | WATER | DACQ | U | | | | |
| WG1694869-4 | LCS Duplicate | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694869-5 | Laboratory Method Bl | S NYTCL-8260-R2 | WATER | DONE | U | | | | |
| WG1694869-5 | Laboratory Method Bl | S NYTCL-8260 | WATER | DACQ | U | | | | |
| WG1694869-6 | Matrix Spike | S NYTCL-8260 | WATER | SEC | U | | | | |
| WG1694869-6 | Matrix Spike | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694869-7 | Matrix Spike Duplica | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694869-7 | Matrix Spike Duplica | S NYTCL-8260 | WATER | SEC | U | | | | |
| WG1694869-8 | Matrix Spike | S NYTCL-8260 | WATER | SEC | U | | | | |
| WG1694869-8 | Matrix Spike | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| WG1694869-9 | Matrix Spike Duplica | S NYTCL-8260 | WATER | SEC | U | | | | |
| WG1694869-9 | Matrix Spike Duplica | S NYTCL-8260-R2 | WATER | DACQ | U | | | | |
| Comments: | | | | | | | | | |
| WG1694869-4 | WG1694869-3 | | | | | | | | |
| WG1694869-6 | L2251647-28 | | | | | | | | |
| WG1694869-7 | L2251647-28 | | | | | | | | |
| WG1694869-8 | L2253676-03 | | | | | | | | |
| WG1694869-9 | L2253676-03 | | | | | | | | |

Inst: Gonzo
 Initials: TMS
 Date: 07/27/22
 Run: N

BFB: V9160
 IS/SS: V9136
 ICAL: V9140D,V9154
 ICV: V9152,V9147,V9112,V9151,V9127,V9120

Method
 GC 8260_RTX_VM:
 Autosampler: 8260
 Concentrator: 8260



QC: ___ Seq: ___

| Vial | DATA FILE | SAMPLE | pH<2 |
|------|--------------|-----------------|------|
| 1 | VG220727NBF1 | BFB TUNE | |
| 1 | VG220727N01 | BLK | |
| 2 | VG220727N02 | BLK | |
| 3 | VG220727N03 | I8260STD0.19PPB | |
| 4 | VG220727N04 | I8260STD0.19PPB | |
| 5 | VG220727N05 | I8260STD0.5PPB | |
| 6 | VG220727N06 | I8260STD0.5PPB | |
| 7 | VG220727N07 | I8260STD2PPB | |
| 8 | VG220727N08 | I8260STD2PPB | |
| 9 | VG220727N09 | I8260STD10PPB | |
| 10 | VG220727N10 | I8260STD30PPB | |
| 11 | VG220727N11 | I8260STD80PPB | |
| 12 | VG220727N12 | I8260STD120PPB | |
| 13 | VG220727N13 | I8260STD200PPB | |
| 14 | VG220727N14 | BLK | |
| 15 | VG220727N15 | BLK | |
| 1 | VG220728ABF1 | BFB TUNE | |
| 1 | VG220728A01 | BLK | |
| 2 | VG220728A02 | BLK | |
| 3 | VG220728A03 | C8260STD10PPB | |
| 4 | VG220728A04 | C8260STD10PPB | |
| 5 | VG220728A05 | BLK | |
| 6 | VG220728A06 | BLK | |
| 7 | VG220728A07 | MDL METHOD BLK | |
| 8 | VG220728A08 | MDL L11 | |
| 9 | VG220728A09 | MDL L1 | |
| 10 | VG220728A10 | MDL L2 | |
| 11 | VG220728A11 | BLK | |

Inst: VOA130
 Initials: PD
 Date: 08/19/22
 Run: A

BFB: V9160
 IS/SS: V9202
 ICAL: V9206A,V9198
 ICV: V9152,V9203,V9172,V9151,V9178,V9173

Method
 GC: 8260
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

| Vial | Data File | Sample | pH<2 |
|------|---------------|-----------------|------|
| 1 | V30220819ABF1 | BFB TUNE | |
| 1 | V30220819A01 | BLK | |
| 2 | V30220819A02 | BLK | |
| 3 | V30220819A03 | I8260STD0.19PPB | |
| 4 | V30220819A04 | I8260STD0.5PPB | |
| 5 | V30220819A05 | I8260STD0.5PPB | |
| 6 | V30220819A06 | I8260STD2PPB | |
| 7 | V30220819A07 | I8260STD2PPB | |
| 8 | V30220819A08 | I8260STD10PPB | |
| 9 | V30220819A09 | I8260STD30PPB | |
| 10 | V30220819A10 | I8260STD80PPB | |
| 11 | V30220819A11 | I8260STD120PPB | |
| 12 | V30220819A12 | I8260STD200PPB | |
| 13 | V30220819A13 | BLK | |
| 14 | V30220819A14 | BLK | |
| 15 | V30220819A15 | BLK | |
| 16 | V30220819A16 | BLK | |
| 17 | V30220819A17 | C8260STD10PPB | |
| 18 | V30220819A18 | C8260STD10PPB | |
| 19 | V30220819A19 | BLK | |
| 20 | V30220819A20 | BLK | |
| 21 | V30220819A21 | MDL METHOD BLK | |
| 22 | V30220819A22 | MDL L11 | |
| 23 | V30220819A23 | MDL L1 | |
| 24 | V30220819A24 | MDL L2 | |
| 25 | V30220819A25 | BLK | |

Inst: VOA130
 Initials: TMS
 Date: 10/01/22
 Run: N

BFB: V9268
 IS/SS: V9261
 ICAL: V9251C,V9283

Method
 GC: 8260
 Autosampler: 8260
 Concentrator: 8260



QC: _____ Seq: _____

| Vial | Data File | Sample | pH<2 |
|------|---------------|--|---------|
| 1 | V30221001ABF1 | BFB TUNE | |
| 1 | V30221001A01 | 8260 CCAL QC FAILS | |
| 2 | V30221001A02 | 8260 CCAL LCS | |
| 3 | V30221001A03 | 8260 CCAL LCSD | |
| 4 | V30221001A04 | BLK | |
| 5 | V30221001A05 | METHOD BLK | |
| 6 | V30221001A06 | I2254141-01,31,10,10,,a,r3a NYCURVE | pH<2 |
| 7 | V30221001A07 | I2254141-02,31,10,10,,a,r3a NYCURVE | pH<2 |
| 8 | V30221001A08 | I2253502-01,31,10,10,,a,pri NYTCL | pH<2 |
| 9 | V30221001A09 | I2253502-02,31,10,10,,a,pri NYTCL | pH<2 |
| 10 | V30221001A10 | I2253502-03,31,10,10,,a,pri NYTCL | pH<2 |
| 11 | V30221001A11 | I2253502-04,31,10,10,,a,pri NYTCL | pH<2 |
| 12 | V30221001A12 | I2253502-05,31,10,10,,a,pri NYTCL | pH<2 |
| 13 | V30221001A13 | I2253502-06,31,10,10,,a,pri NYTCL | pH<2 |
| 14 | V30221001A14 | I2253502-07,31,10,10,,a,pri NYTCL | pH<2 |
| 15 | V30221001A15 | I2253502-09,31,10,10,,a NYTCL | pH<2 |
| 16 | V30221001A16 | I2253502-10d,31,5.0,10,,a NYTCL | pH<2 |
| 17 | V30221001A17 | I2253502-12d,31,5.0,10,,a NYTCL | pH<2 |
| 18 | V30221001A18 | I2253502-11,31,10,10,,a NYTCL | FB pH<2 |
| 19 | V30221001A19 | I2253502-13,31,10,10,,a NYTCL | TB pH<2 |
| 20 | V30221001A20 | I2253676-01d,31,0.25,10,,a,r3e NYCURVE | pH>2 |
| 21 | V30221001A21 | I2253676-02d,31,1.0,10,,a,r3e NYCURVE | pH<2 |
| 22 | V30221001A22 | I2253676-03,31,10,10,,a,r3e NYCURVE | pH<2 |
| 23 | V30221001A23 | I2253676-04,31,10,10,,a,r3e NYCURVE | pH<2 |
| 24 | V30221001A24 | I2253676-06,31,10,10,,a,r3e NYCURVE | pH<2 |
| 25 | V30221001A25 | I2253676-05,31,10,10,,a,r3e NYCURVE | TB pH<2 |
| 26 | V30221001A26 | I2253502-04MS,31,10,10,,a1 NYTCL | pH<2 |
| 27 | V30221001A27 | I2253502-04MSD,31,10,10,,a2 NYTCL | pH<2 |
| 28 | V30221001A28 | I2253676-03MS,31,10,10,,a1,r3e NYCURVE | pH<2 |
| 29 | V30221001A29 | I2253676-03MSD,31,10,10,,a2,r3eNYCURVE | pH<2 |
| 30 | V30221001A30 | HSTD | |
| 31 | V30221001A31 | BLK | |
| 32 | V30221001A32 | BLK | |

Inst: Gonzo

BFB: V9268

Method
GC 8260_RTX_VM



Initials: PD

IS/SS: V9282

Autosampler: 8260

Date: 10/03/22

ICAL: V9251B,V9283

Concentrator: 8260

Run: A

QC: _____ Seq: _____

| Vial | DATA FILE | SAMPLE | | pH<2 |
|------|--------------|---------------------------------|-------------|---------|
| 1 | VG221003ABF1 | BFB TUNE 09:11 | | |
| 1 | VG221003A01 | 8260 CCAL QC FAILS | | |
| 2 | VG221003A02 | 8260 CCAL LCS | | |
| 3 | VG221003A03 | 8260 CCAL LCSD | | |
| 4 | VG221003A04 | BLK | | |
| 5 | VG221003A05 | METHOD BLK | | |
| 6 | VG221003A06 | L2253966-03,31,10,10,,A,R3C | NYCURVE | TB pH<2 |
| 7 | VG221003A07 | L2254141-01,31,10,10,,C,R3A | NYCURVE | pH<2 |
| 8 | VG221003A08 | DSTD | | |
| 9 | VG221003A09 | I2253502-05D,31,1.0,10,,c,pri | NY/VC | pH<2 |
| 10 | VG221003A10 | I2253676-02D2,31,0.5,10,,c,r3e | NY/CIS12DCE | pH<2 |
| 11 | VG221003A11 | L2253676-03,31,10,10,,C,R3E | NYCURVE | pH<2 |
| 12 | VG221003A12 | I2253676-01D,31,2.5,10,,c | NYCURVE | pH<2 |
| 13 | VG221003A13 | L2251647-25,31,10,10,,A | NYCURVE/IM | pH<2 |
| 14 | VG221003A14 | L2251647-26,31,10,10,,A | NYCURVE/IM | pH<2 |
| 15 | VG221003A15 | L2251647-27,31,10,10,,A | NYCURVE/IM | pH<2 |
| 16 | VG221003A16 | L2251647-28,31,10,10,,A | NYCURVE/IM | pH<2 |
| 17 | VG221003A17 | L2251647-29,31,10,10,,A | NYCURVE/IM | pH<2 |
| 18 | VG221003A18 | L2251647-30,31,10,10,,A | NYCURVE/IM | pH<2 |
| 19 | VG221003A19 | L2251647-31,31,10,10,,A | NYCURVE/IM | pH<2 |
| 20 | VG221003A20 | L2252243-01,31,10,10,,A | NYCURVE | pH<2 |
| 21 | VG221003A21 | L2252243-03,31,10,10,,A | NYCURVE | pH<2 |
| 22 | VG221003A22 | L2252243-09,31,10,10,,A | NYCURVE | pH<2 |
| 23 | VG221003A23 | L2251322-01,31,10,10,,A | 8260/EA | pH>2 |
| 24 | VG221003A24 | L2251647-28MS,31,10,10,,A1 | NYCURVE/IM | pH<2 |
| 25 | VG221003A25 | L2251647-28MSD,31,10,10,,A2 | NYCURVE/IM | pH<2 |
| 26 | VG221003A26 | L2253676-03MS,31,10,10,,C1,R3E | NYCURVE | pH<2 |
| 27 | VG221003A27 | L2253676-03MSD,31,10,10,,C2,R3E | NYCURVE | pH<2 |
| 28 | VG221003A28 | HSTD | | |
| 29 | VG221003A29 | BLK | | |
| 30 | VG221003A30 | BLK | | |

Wet Chemistry

Total Organic Carbon Analysis

Results

Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-01 | Date Collected : 09/28/22 12:30 |
| Client ID : MW-21 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 10:25 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2700 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-02 | Date Collected : 09/28/22 11:37 |
| Client ID : MW-23 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 11:02 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2800 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-03 | Date Collected : 09/28/22 12:20 |
| Client ID : MW-19 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 11:40 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 1700 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-04 | Date Collected : 09/28/22 10:45 |
| Client ID : MW-25I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 12:12 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 4200 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-05 | Date Collected : 09/28/22 10:00 |
| Client ID : MW-20 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 13:54 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2900 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-06 | Date Collected : 09/28/22 08:55 |
| Client ID : MW-24I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 14:31 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2800 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-07 | Date Collected : 09/28/22 10:05 |
| Client ID : MW-D2 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 15:00 |
| Sample Matrix : WATER | Dilution Factor : 4 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|------|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 9200 | 2000 | 390 | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-09 | Date Collected : 09/28/22 09:10 |
| Client ID : MW-D2I | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 18:07 |
| Sample Matrix : WATER | Dilution Factor : 40 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-------|------|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 120000 | 20000 | 3900 | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-10 | Date Collected : 09/28/22 11:05 |
| Client ID : MW-10 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 16:15 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2400 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-11 | Date Collected : 09/28/22 11:01 |
| Client ID : FB_09282022 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 16:39 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 220 | 500 | 97. | J |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2253502-12 | Date Collected : 09/28/22 12:00 |
| Client ID : DUP_09282022 | Date Received : 09/28/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 10/03/22 08:30 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694656 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2600 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|--------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1694656-1 | Date Collected : NA |
| Client ID : WG1694656-1BLANK | Date Received : NA |
| Sample Location : | Date Analyzed : 10/03/22 05:33 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694656 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | ND | 500 | 97. | U |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1694656-3 | Date Collected : 09/30/22 11:30 |
| Client ID : WG1694656-3 DUP | Date Received : 09/30/22 |
| Sample Location : | Date Analyzed : 10/03/22 09:16 |
| Sample Matrix : WATER | Dilution Factor : 4 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694656 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|------|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 3200 | 2000 | 390 | |



Form 1 WETCHEM

| | |
|---|--------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1694657-1 | Date Collected : NA |
| Client ID : WG1694657-1BLANK | Date Received : NA |
| Sample Location : | Date Analyzed : 10/03/22 05:33 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | ND | 500 | 97. | U |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1694657-3 | Date Collected : 09/28/22 10:45 |
| Client ID : MW-25IDUP | Date Received : 09/28/22 |
| Sample Location : | Date Analyzed : 10/03/22 17:10 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DW |
| Lab File ID : WG1694657 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 4100 | 500 | 97. | |



Instr.Information

System TOC-VW
 Instrument Options TOC/ASI/

*TOC 4
 072622 (M)*

Cal. Curve

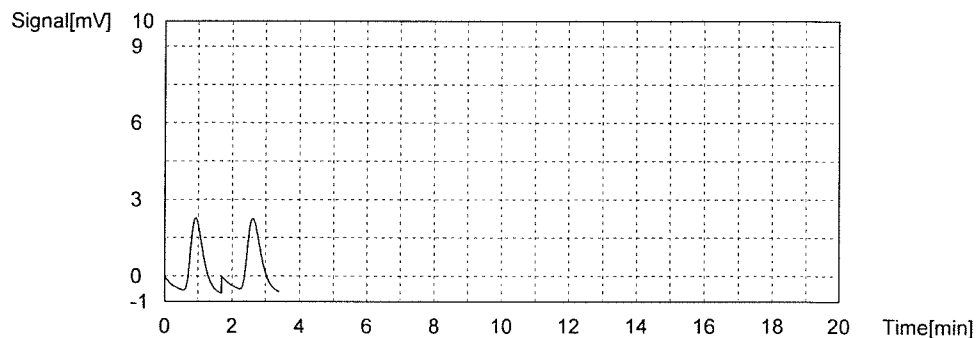
Sample Name: 07262022 TOC4 CURVE
 Sample ID:
 Cal. Curve: 07262022 TOC4 CURVE.2022_07_26_04_29_58.cal
 Status Completed

| Type | Anal. |
|----------|-------|
| Standard | NPOC |

Conc: 0.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|--------|-----------|-----------|-------|-----|-----------------|
| 1 | 7.5825 | 500uL | 1 | ***** | | 7/26/2022 4:40: |
| 2 | 7.7805 | 500uL | 1 | ***** | | 7/26/2022 4:45: |

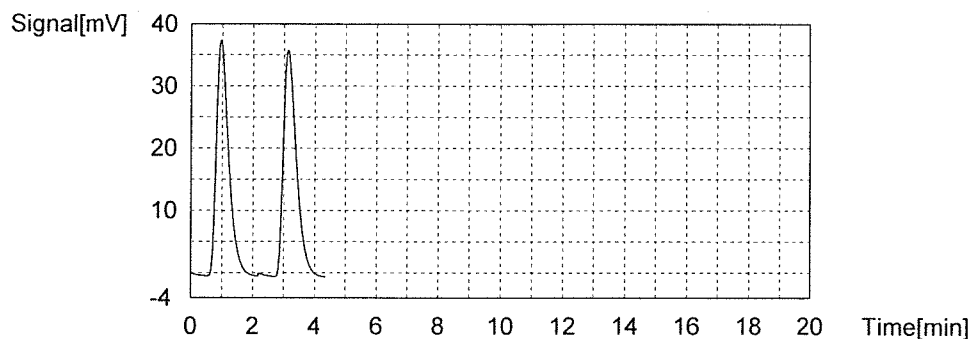
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 7.681



Conc: 0.5000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 108.5 | 500uL | 1 | ***** | | 7/26/2022 4:56: |
| 2 | 109.2 | 500uL | 1 | ***** | | 7/26/2022 5:00: |

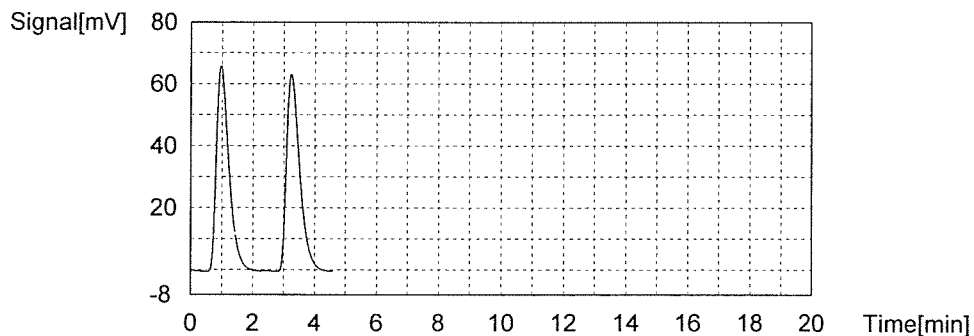
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 108.8



Conc: 1.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 193.0 | 500uL | 1 | ***** | | 7/26/2022 5:11: |
| 2 | 193.7 | 500uL | 1 | ***** | | 7/26/2022 5:16: |

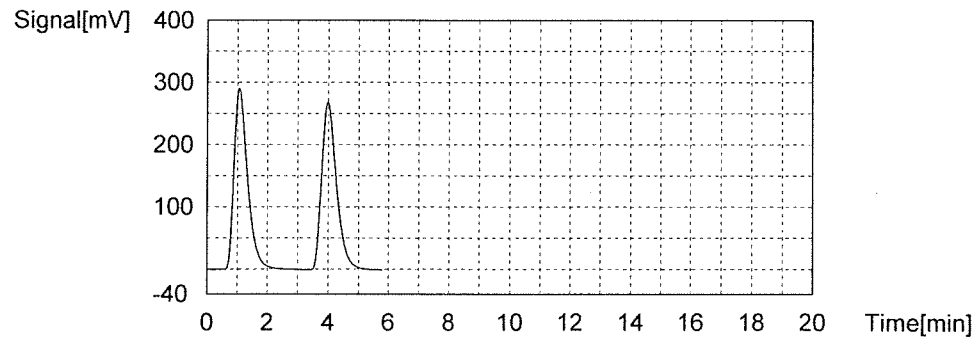
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 193.4



Conc: 5.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 936.8 | 500uL | 1 | ***** | | 7/26/2022 5:28: |
| 2 | 943.0 | 500uL | 1 | ***** | | 7/26/2022 5:33: |

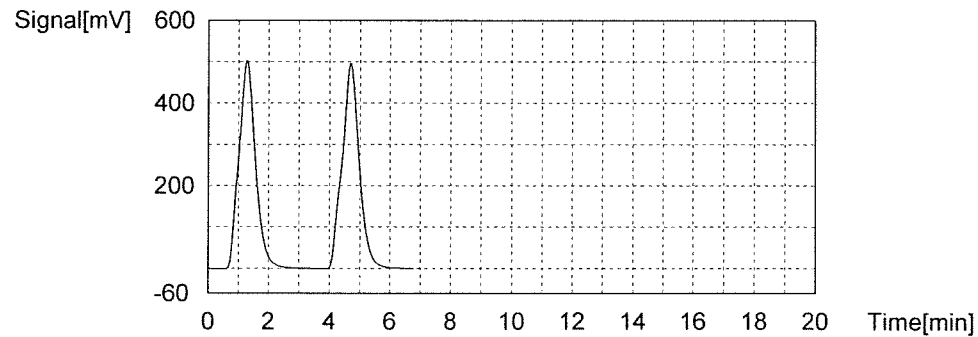
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 939.9



Conc: 10.00mg/L

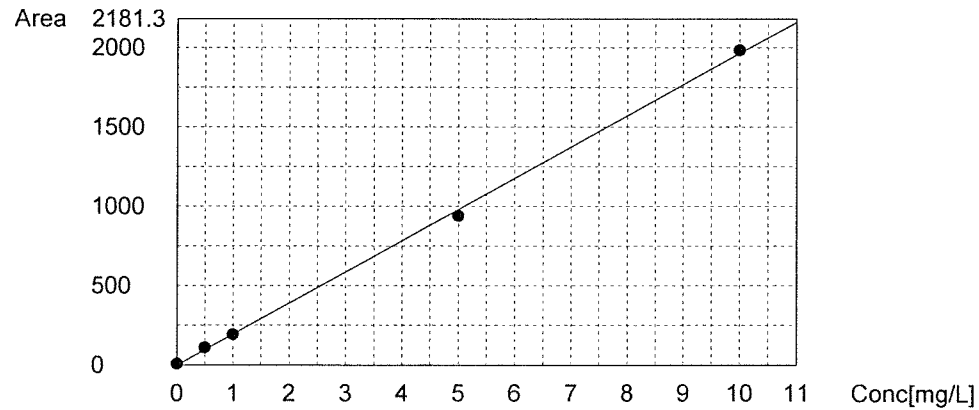
| No. | Area | Inj. Vol. | Aut Dil. | Rem. | Ex. | Date / Time |
|-----|------|-----------|----------|-------|-----|-----------------|
| 1 | 1977 | 500uL | 1 | ***** | | 7/26/2022 5:45: |
| 2 | 1989 | 500uL | 1 | ***** | | 7/26/2022 5:51: |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 1983



Slope: 196.5
 Intercept -1.912
 r^2 0.9992
 r 0.9996
 Zero ShiftNo

My



| | | | | |
|-------|-------|-------|-----|-------|
| conc. | A | A | yim | 90 |
| 0 | 7.671 | | | |
| 0.5 | 108.8 | 0.543 | | 113 X |
| 1.0 | 193.4 | 0.994 | | 99 |
| 5.0 | 939.9 | 4.793 | 3/3 | 96 |
| | 1977 | 10.10 | | 101 |

↓
AA

Sample Raw Data

Instr.Information

System TOC-VW
 Instrument Options TOC/ASI/

Sample

Sample Name: DI
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

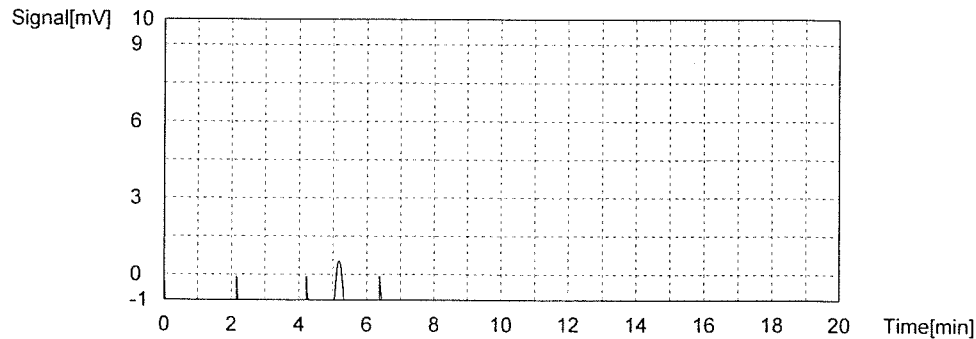
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.09155mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 18.31 | 1029mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 3:40: |
| 2 | 12.52 | 7344mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 3:45: |
| 3 | 23.17 | 1276mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 3:49: |
| 4 | 10.31 | 6220mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 3:53: |

Mean Area 16.08
 Mean Conc. 0.09155m



11 (77)

Sample

Sample Name: IC CK STD
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

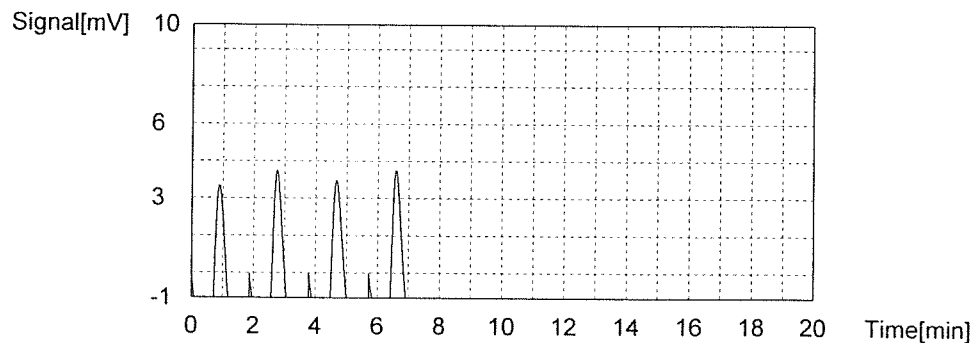
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.1140mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 20.13 | .1122mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:04: |
| 2 | 20.96 | .1164mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:09: |
| 3 | 20.86 | .1159mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:14: |
| 4 | 20.04 | .1117mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:18: |

Mean Area 20.50
 Mean Conc. 0.1140mg



Sample

Sample Name: ICV
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

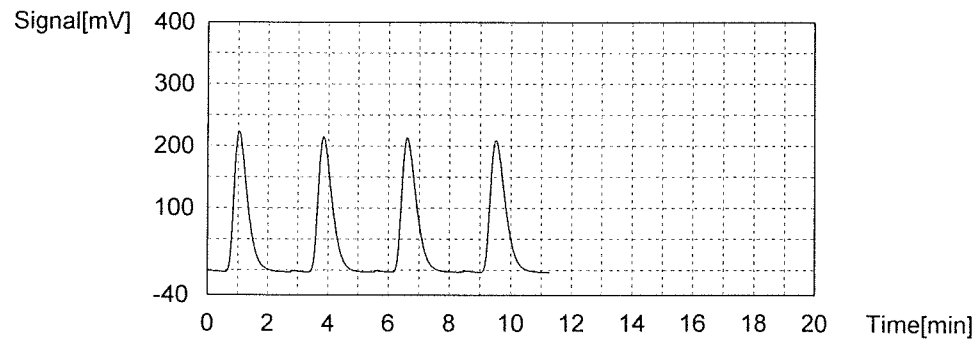
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.791mg/L |

1. Det

Anal.: NPOC

| No | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 735.4 | 3.752mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:30: |
| 2 | 734.4 | 3.747mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:35: |
| 3 | 750.4 | 3.828mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:40: |
| 4 | 752.2 | 3.838mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:45: |

Mean Area 743.1
 Mean Conc. 3.791mg/l



Sample

Sample Name: ICB
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

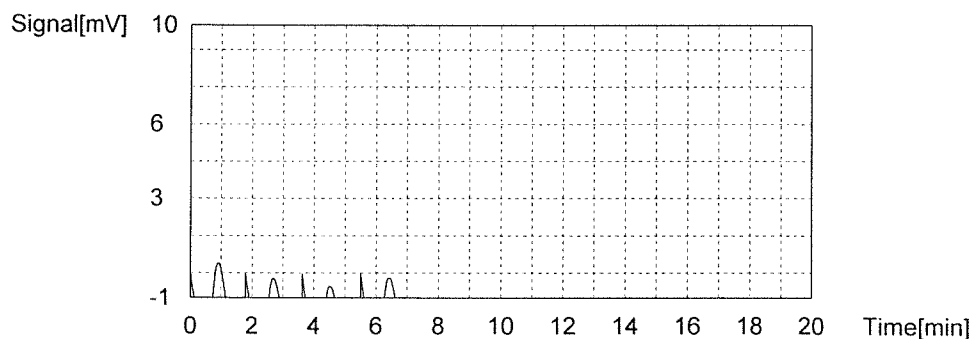
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.05663mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 8.332 | 0.5213mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:56: |
| 2 | 8.891 | 0.5498mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:00: |
| 3 | 9.414 | 0.5764mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:04: |
| 4 | 10.23 | 0.6179mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:09: |

Mean Area 9.217
 Mean Conc. 0.05663m



Sample

Sample Name: MB
Sample ID:
Origin: toc doc 4 reps method.met
Status: Completed
Chk. Result

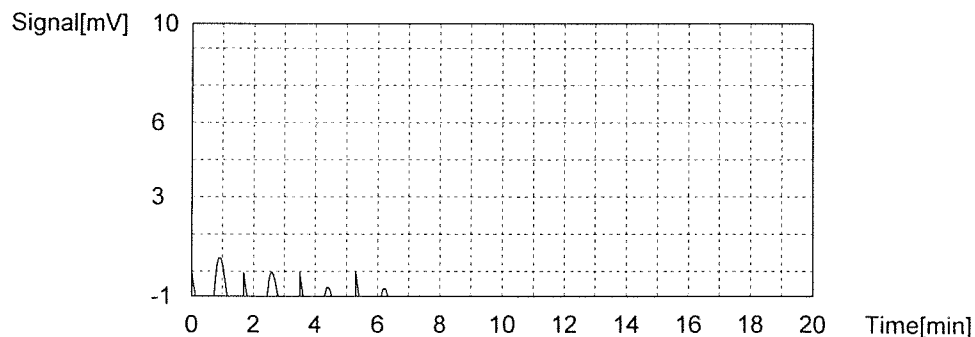
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.05421mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 8.629 | 0.5364mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:19: |
| 2 | 9.414 | 0.5764mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:24: |
| 3 | 7.946 | 0.5017mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:28: |
| 4 | 8.970 | 0.5538mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:33: |

Mean Area 8.740
Mean Conc. 0.05421m



Sample

Sample Name: LCS
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

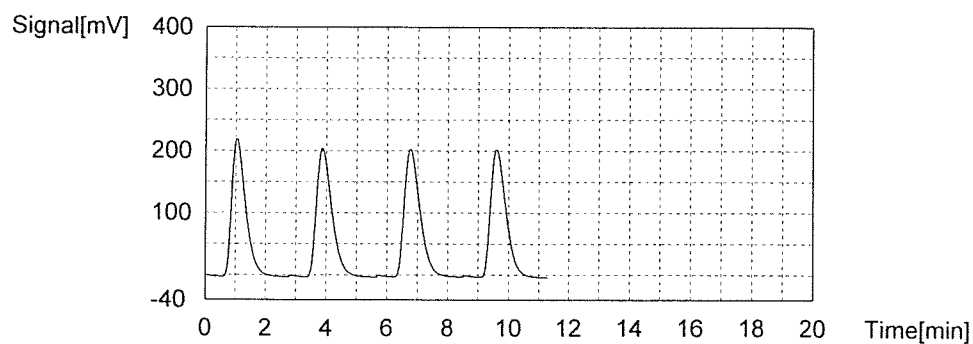
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.820mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 735.8 | 3.754mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:44: |
| 2 | 756.3 | 3.858mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:49: |
| 3 | 757.0 | 3.862mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:54: |
| 4 | 745.9 | 3.806mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:59: |

Mean Area 748.8
 Mean Conc. 3.820mg/l



Sample

Sample Name: 54173-01 4X
 Sample ID: MAT
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

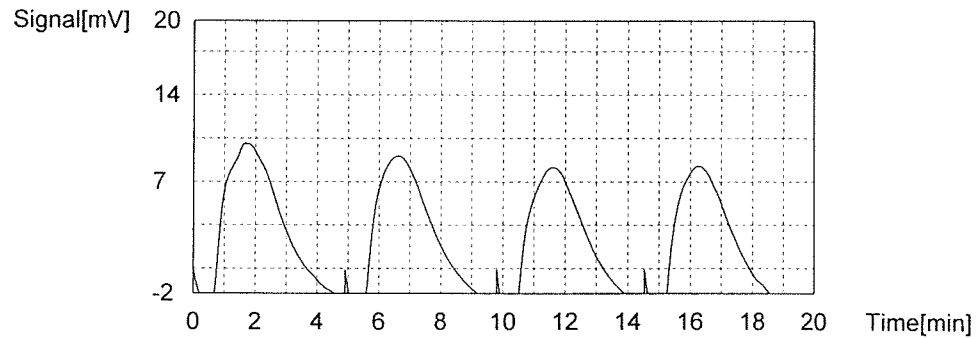
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.8053mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 164.3 | .8458mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 7:31: |
| 2 | 156.7 | .8072mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 7:38: |
| 3 | 151.2 | .7792mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 7:45: |
| 4 | 153.1 | .7888mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 7:52: |

Mean Area 156.3
 Mean Conc. 0.8053mg



Sample

Sample Name: 53502-12
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

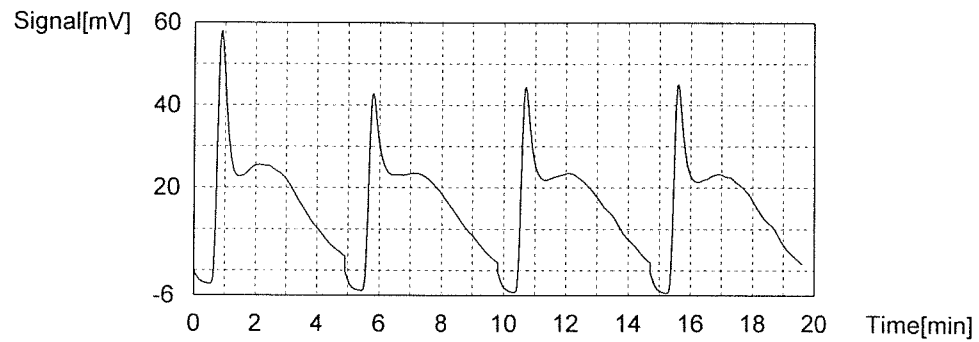
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.643mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 527.3 | 2.693mg/L | 500uL | 1 | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 8:06: |
| 2 | 510.0 | 2.605mg/L | 500uL | 1 | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 8:14: |
| 3 | 511.3 | 2.612mg/L | 500uL | 1 | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 8:22: |
| 4 | 521.2 | 2.662mg/L | 500uL | 1 | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 8:30: |

Mean Area 517.5
 Mean Conc. 2.643mg/l



Sample

Sample Name: 54173-01 DUP 4X
Sample ID:
Origin: toc doc 4 reps method.met
Status: Completed
Chk. Result

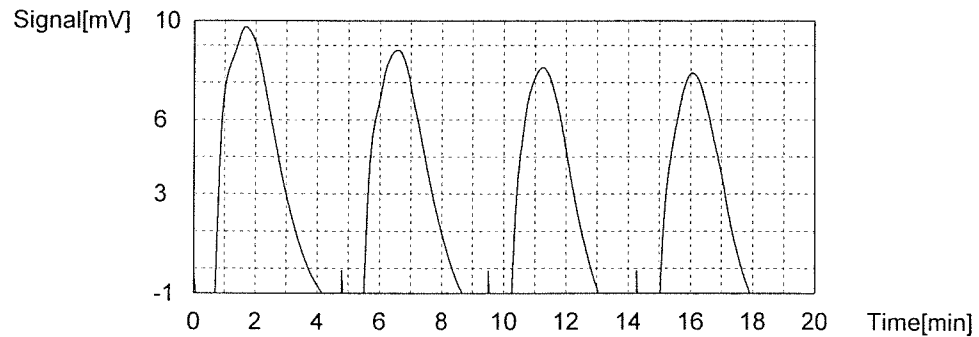
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.8011mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 157.2 | .8097mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 8:55: |
| 2 | 153.2 | .7894mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:02: |
| 3 | 156.1 | .8041mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:09: |
| 4 | 155.5 | .8011mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:16: |

Mean Area 155.5
Mean Conc. 0.8011mg



Sample

Sample Name: 54173-01 SPK 10X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

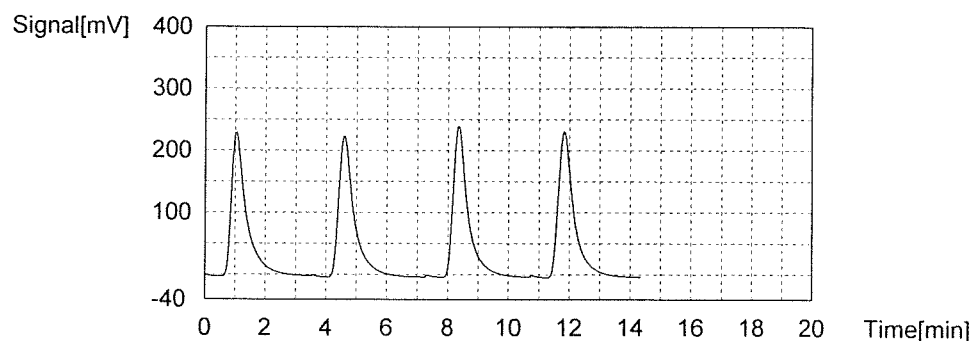
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.306mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 829.8 | 4.233mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:28: |
| 2 | 829.9 | 4.233mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:34: |
| 3 | 852.5 | 4.348mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:40: |
| 4 | 864.8 | 4.411mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 9:46: |

Mean Area 844.3
 Mean Conc. 4.306mg/l



Sample

Sample Name: 53502-01
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

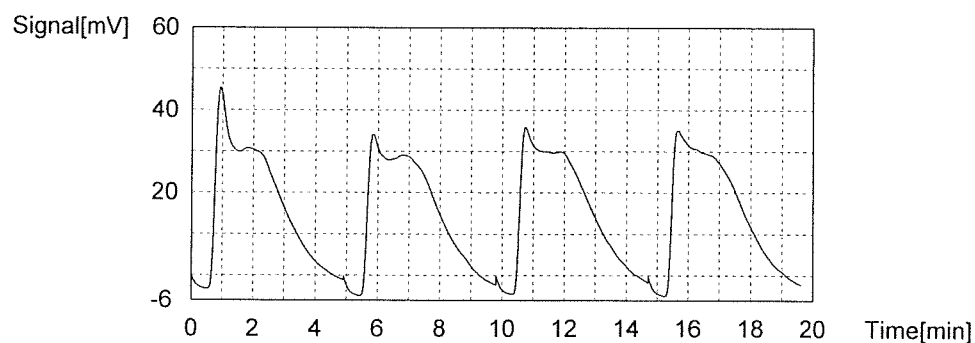
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.722mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 532.4 | 2.719mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 10:02 |
| 2 | 525.1 | 2.682mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 10:10 |
| 3 | 534.3 | 2.729mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 10:18 |
| 4 | 539.8 | 2.757mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 10:25 |

Mean Area 532.9
 Mean Conc. 2.722mg/l



Sample

Sample Name: 53502-02
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

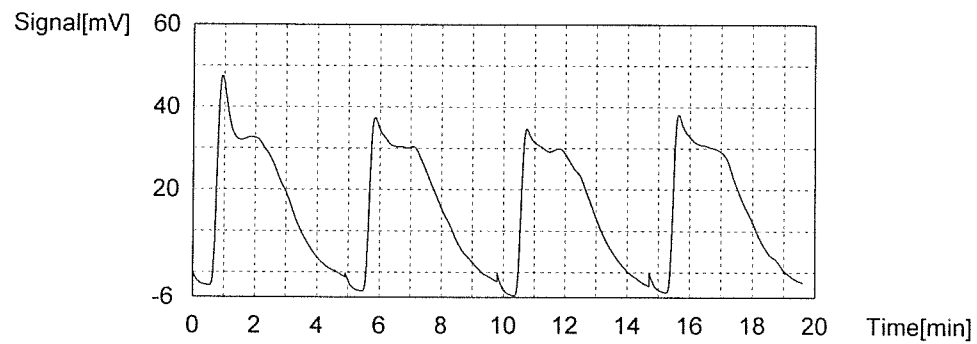
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.846mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 569.8 | 2.909mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 10:39 |
| 2 | 554.2 | 2.830mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 10:46 |
| 3 | 546.2 | 2.789mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 10:54 |
| 4 | 559.5 | 2.857mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 11:02 |

Mean Area 557.4
 Mean Conc. 2.846mg/l



Sample

Sample Name: 53502-03
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

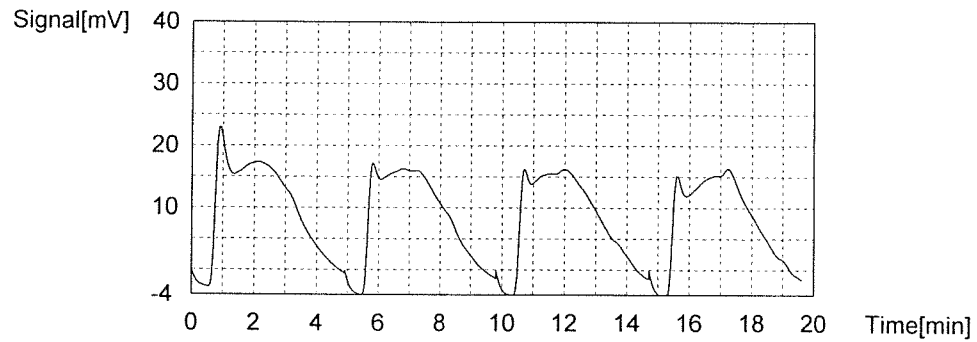
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.671mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 334.1 | 1.710mg/L | 500uL | | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 11:16 |
| 2 | 329.4 | 1.686mg/L | 500uL | | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 11:24 |
| 3 | 322.1 | 1.649mg/L | 500uL | | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 11:32 |
| 4 | 320.0 | 1.638mg/L | 500uL | | 1 | 07262022 TOC4 CURVE.2 | 10/3/2022 11:40 |

Mean Area 326.4
 Mean Conc. 1.671mg/l



Sample

Sample Name: 53502-04
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

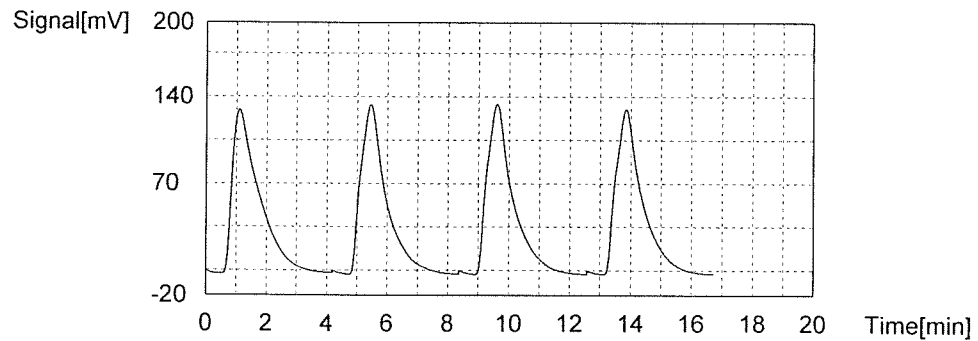
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.208mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 832.1 | 4.244mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 11:53 |
| 2 | 817.1 | 4.168mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 11:59 |
| 3 | 826.1 | 4.214mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 12:05 |
| 4 | 824.7 | 4.207mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 12:12 |

Mean Area 825.0
 Mean Conc. 4.208mg/l



Sample

Sample Name: CCV
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

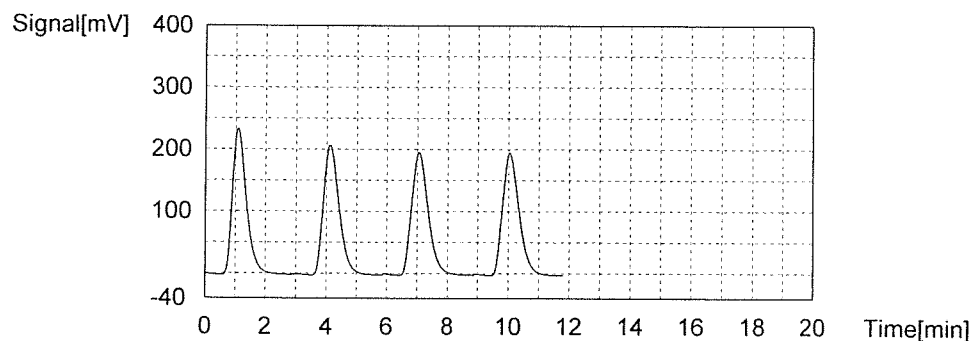
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.920mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 777.7 | 3.967mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.1 | 10/3/2022 12:27 |
| 2 | 769.2 | 3.924mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 12:32 |
| 3 | 764.0 | 3.898mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.3 | 10/3/2022 12:37 |
| 4 | 762.3 | 3.889mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.4 | 10/3/2022 12:42 |

Mean Area 768.3
 Mean Conc. 3.920mg/l



Sample

Sample Name: CCB
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

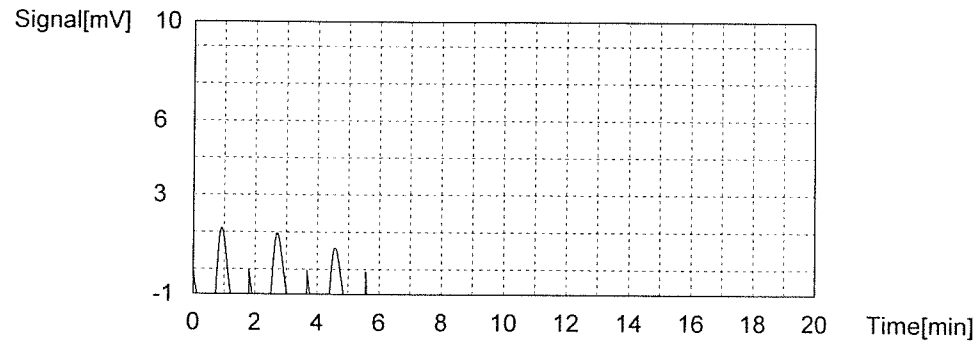
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.06852mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 12.02 | 07090mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 12:53 |
| 2 | 12.45 | 07309mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 12:57 |
| 3 | 11.85 | 07003mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 1:02 |
| 4 | 9.893 | 06008mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 1:06 |

Mean Area 11.55
 Mean Conc. 0.06852m



Instr.Information

System TOC-VW
 Instrument Options TOC/ASI/

Sample

Sample Name: 53502-05
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

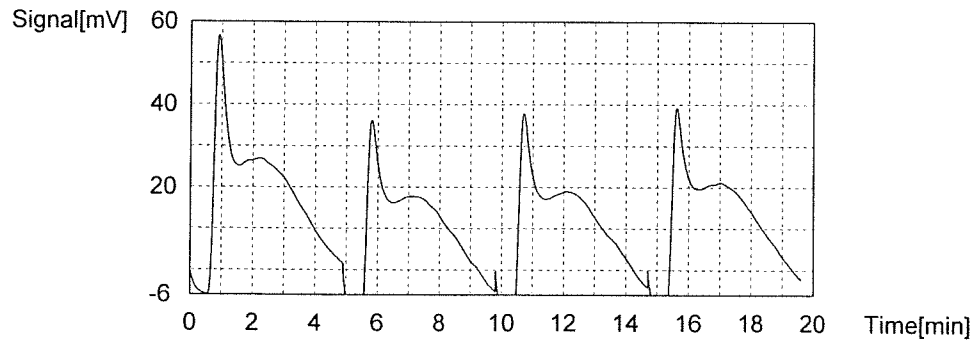
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.926mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 594.9 | 3.037mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 1:30: |
| 2 | 564.2 | 2.881mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 1:38: |
| 3 | 562.2 | 2.871mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 1:46: |
| 4 | 571.0 | 2.916mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 1:54: |

Mean Area 573.1
 Mean Conc. 2.926mg/l



Sample

Sample Name: 53502-06
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

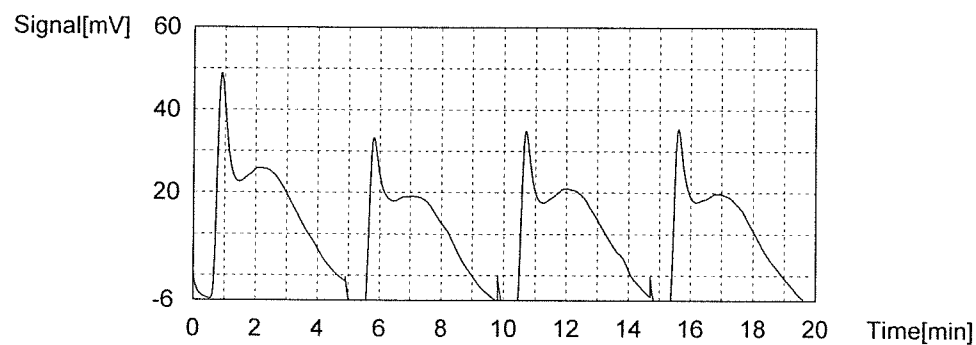
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.757mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 554.5 | 2.832mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.1 | 10/3/2022 2:08: |
| 2 | 529.9 | 2.706mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 2:16: |
| 3 | 535.0 | 2.732mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.3 | 10/3/2022 2:24: |
| 4 | 540.3 | 2.759mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.4 | 10/3/2022 2:31: |

Mean Area 539.9
Mean Conc. 2.757mg/l



Sample

Sample Name: 53502-07 4X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

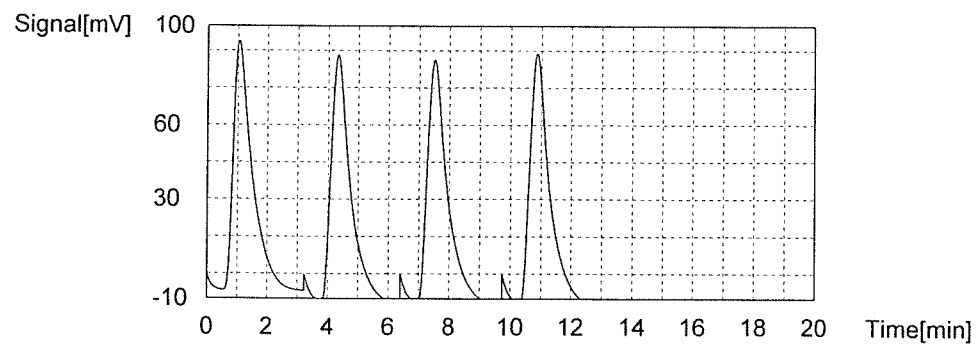
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.310mg/L |

1. Det

Anal.: NPOC

| No | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 449.9 | 2.299mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 2:43: |
| 2 | 444.1 | 2.270mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 2:49: |
| 3 | 453.5 | 2.318mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 2:54: |
| 4 | 460.5 | 2.353mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:00: |

Mean Area 452.0
 Mean Conc. 2.310mg/l



Sample

Sample Name: 53502-09 4X
 Sample ID: X
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

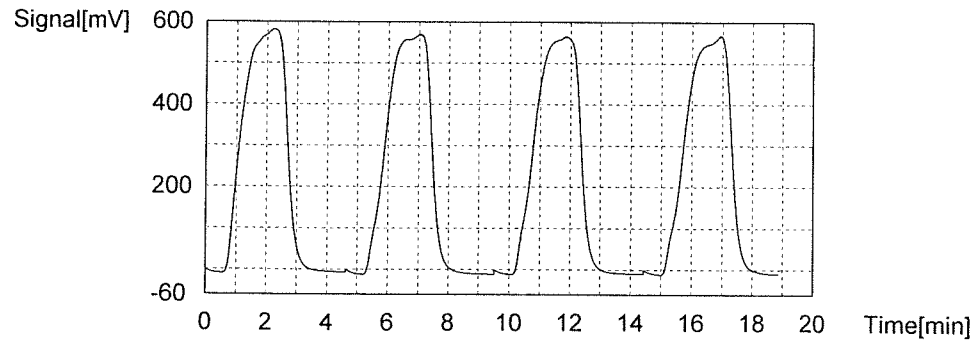
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:30.03mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 5908 | 30.08mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:13: |
| 2 | 5892 | 29.99mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:22: |
| 3 | 5890 | 29.98mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:29: |
| 4 | 5908 | 30.08mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:37: |

Mean Area 5900
 Mean Conc. 30.03mg/l



Sample

Sample Name: 53502-10
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

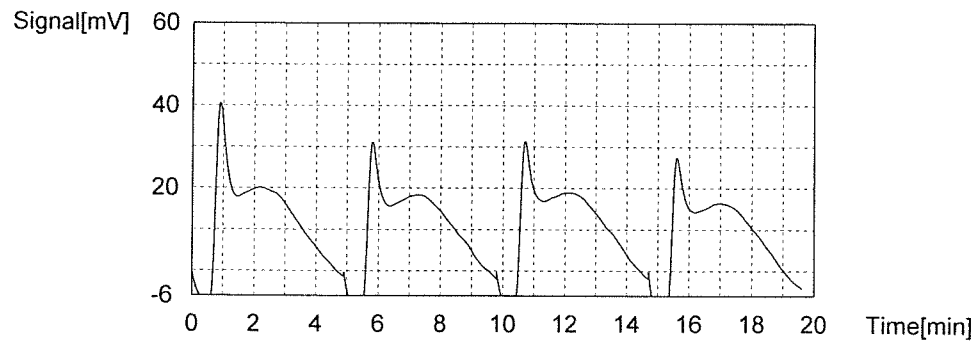
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.454mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 488.9 | 2.498mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:51: |
| 2 | 476.5 | 2.435mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 3:59: |
| 3 | 479.9 | 2.452mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 4:07: |
| 4 | 475.8 | 2.431mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 4:15: |

Mean Area 480.3
 Mean Conc. 2.454mg/l



Sample

Sample Name: 53502-11 FB
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

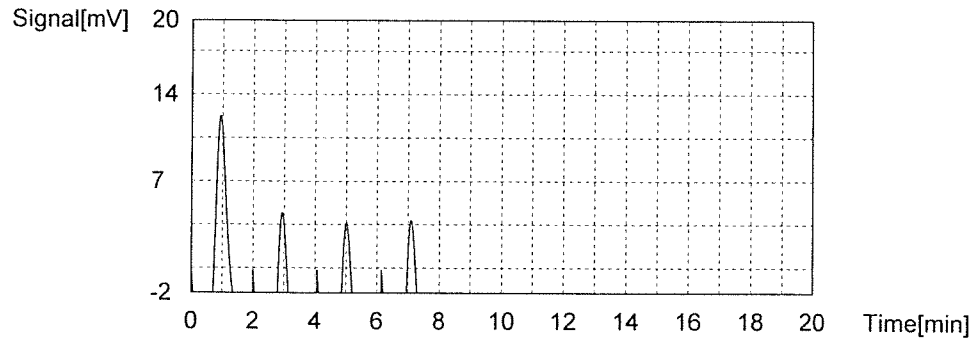
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2196mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 45.40 | .2408mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:26: |
| 2 | 40.65 | .2166mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:30: |
| 3 | 38.80 | .2072mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:35: |
| 4 | 40.11 | .2138mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:39: |

Mean Area 41.24
 Mean Conc. 0.2196mg



Sample

Sample Name: 53502-04 DUP
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

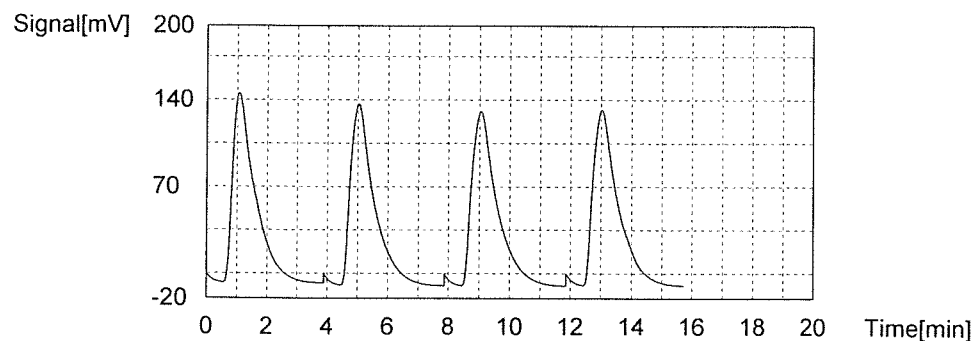
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.130mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 801.2 | 4.087mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:52: |
| 2 | 805.8 | 4.110mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 4:58: |
| 3 | 815.5 | 4.160mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:04: |
| 4 | 815.9 | 4.162mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:10: |

Mean Area 809.6
Mean Conc. 4.130mg/l



Sample

Sample Name: 53502-04 SPK 4X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

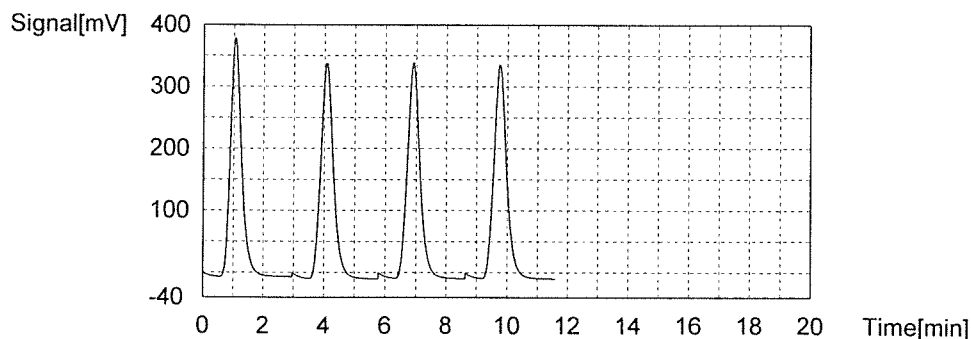
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.202mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 1024 | 5.221mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:22: |
| 2 | 1015 | 5.175mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:27: |
| 3 | 1020 | 5.200mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:32: |
| 4 | 1022 | 5.211mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 5:37: |

Mean Area 1020
 Mean Conc. 5.202mg/l



Sample

Sample Name: 53502-09 40X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

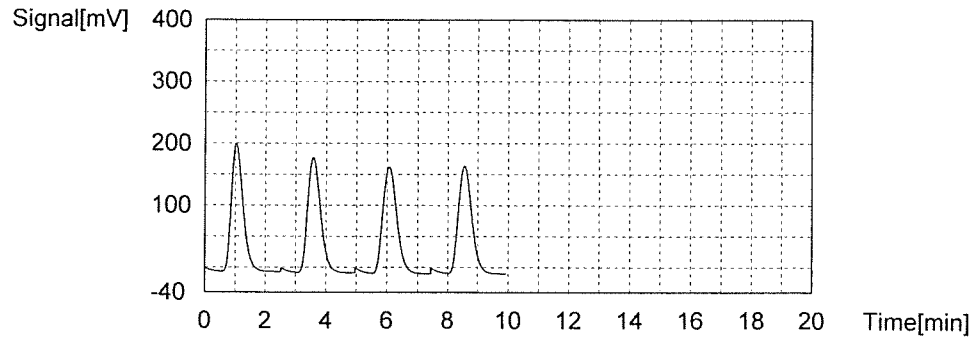
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.877mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 567.4 | 2.897mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 5:53: |
| 2 | 565.0 | 2.885mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 5:58: |
| 3 | 561.3 | 2.866mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:02: |
| 4 | 560.4 | 2.862mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:07: |

Mean Area 563.5
Mean Conc. 2.877mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

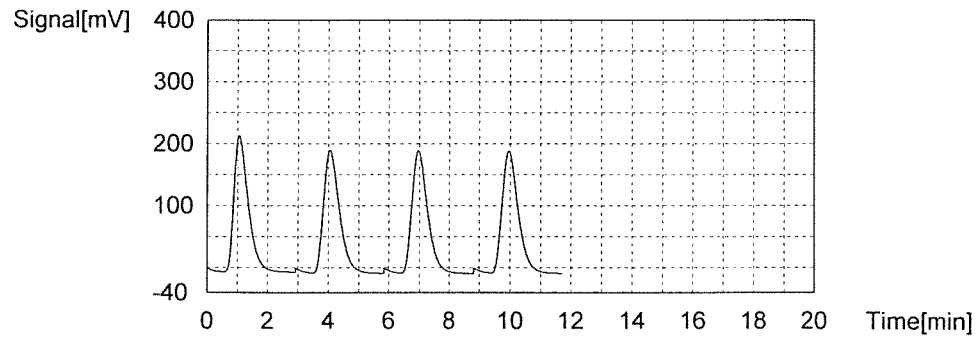
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.736mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 733.0 | 3.740mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:19: |
| 2 | 731.0 | 3.730mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:24: |
| 3 | 730.8 | 3.729mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:29: |
| 4 | 733.8 | 3.744mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 10/3/2022 6:34: |

Mean Area 732.2
Mean Conc. 3.736mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

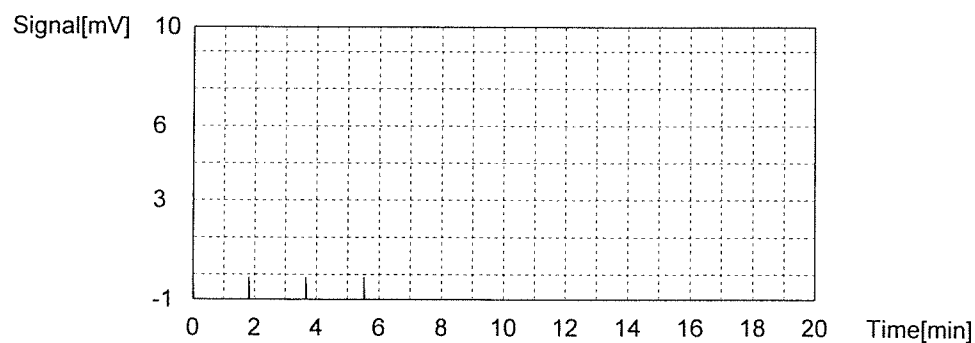
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.06157mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|--------|----------|-----------|-----------|-----|----------------------|-----------------|
| 1 | 10.770 | 6454mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 6:45: |
| 2 | 10.150 | 6138mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 6:49: |
| 3 | 10.410 | 6271mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 6:54: |
| 4 | 9.416 | 5765mg/L | 500uL | 1 | | 07262022 TOC4 CURVE. | 10/3/2022 6:58: |

Mean Area 10.19
Mean Conc. 0.06157m



Quality Control

Form 5a Matrix Spike

| | |
|---|-----------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : NA | Matrix : WATER |
| Lab Sample ID : L2254173-01 | |
| Matrix Spike : WG1694656-4 | MS Analysis Date : 10/03/22 09:46 |
| Matrix Spike Dup : | MSD Analysis Date : |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | %R | Matrix Spike Duplicate | | RPD | Recovery Limits | RPD Limit |
|----------------------|------------------------|-----------------------|-----------------------|-----|------------------------|-----------------------|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | | Spike Added (ug/l) | Spike Conc. (ug/l) | | | |
| Total Organic Carbon | 3200 | 40000 | 43000 | 100 | | | | 80-120 | 20 |



Form 5a Matrix Spike

| | |
|---|-----------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2253502 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-25I | Matrix : WATER |
| Lab Sample ID : L2253502-04 | |
| Matrix Spike : WG1694657-4 | MS Analysis Date : 10/03/22 17:37 |
| Matrix Spike Dup : | MSD Analysis Date : |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | %R | Matrix Spike Duplicate | | RPD | Recovery Limits | RPD Limit |
|----------------------|------------------------|-----------------------|-----------------------|-----|------------------------|-----------------------|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | | Spike Added (ug/l) | Spike Conc. (ug/l) | | | |
| Total Organic Carbon | 4200 | 16000 | 21000 | 104 | | | | 80-120 | 20 |



Form 6 Lab Duplicates

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2253502
Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
Client Sample ID : NA Matrix : WATER
Lab Sample ID : NA Analysis Date : 10/03/22 07:52
Dup Sample ID : WG1694656-3 DUP Analysis Date : 10/03/22 09:16

| Parameter | Sample Concentration (ug/l) | Duplicate Concentration (ug/l) | RPD | RPD Limit |
|----------------------|-----------------------------|--------------------------------|-----|-----------|
| Total Organic Carbon | 3200 | 3200 | 0 | 20 |



Form 6 Lab Duplicates

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2253502
Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
Client Sample ID : MW-25I Matrix : WATER
Lab Sample ID : L2253502-04 Analysis Date : 10/03/22 12:12
Dup Sample ID : WG1694657-3 DUP Analysis Date : 10/03/22 17:10

| Parameter | Sample Concentration (ug/l) | Duplicate Concentration (ug/l) | RPD | RPD Limit |
|----------------------|-----------------------------|--------------------------------|-----|-----------|
| Total Organic Carbon | 4200 | 4100 | 2 | 20 |



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Client Sample ID : NA
Lab Sample ID : WG1694656-2
Dup Sample ID :

Lab Number : L2253502
Project Number : 0047.0044Y047
Matrix : WATER
LCS Analysis Date : 10/03/22 05:59
LCSD Analysis Date:

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|----------------------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Total Organic Carbon | 4000 | 3800 | 95. | | | | | 90-110 | 20 |



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Client Sample ID : NA
Lab Sample ID : WG1694657-2
Dup Sample ID :

Lab Number : L2253502
Project Number : 0047.0044Y047
Matrix : WATER
LCS Analysis Date : 10/03/22 05:59
LCSD Analysis Date:

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|----------------------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Total Organic Carbon | 4000 | 3800 | 95. | | | | | 90-110 | 20 |





WETCHEM (WATER)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Method | Holding Time | Container/Sample Preservation |
|----------------------|-----------|-----|-------|-------|-----------------|---------|----------------|--------|------------------|--------|-----------------|-------------------------------|
| Total Organic Carbon | 7440-44-0 | 0.5 | 0.114 | mg/l | 90-110 | | 80-120 | 20 | 20 | 9060A | 28 days | 3 - Vial H2SO4 preserved |
| Total Organic Carbon | 7440-44-0 | 0.5 | 0.114 | mg/l | 90-110 | | 80-120 | 20 | 20 | 5310C | 28 days | 2 - Vial H2SO4 preserved |
| | | | | | | | | | | | | |
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*Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
 Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.*



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Calculations of TOC

Aqueous samples:

The TOC Talk Software calculates the area of the peaks produced by the analyzer, compares them to the peak area of the calibration standard stored in its memory, and calculates a mean TOC value from two injections in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$



Sequence Logs

| | | |
|------------------|--|----------------------------------|
| DATE: MON 100322 | CURVE ID: T024 072622 | WORKING STDS ID: |
| ANALYST: (D) | STOCK STDS ID: | 4 PPM ICV: T02 100322-PCV |
| | 2000 PPM CURVE SLN: T02 072522-C | 4 PPM LCS: T02-100322-COS |
| | 2000 PPM ICV/LCS/SPK SLN: T02 072522-W | 4 PPM SPK: T02 072522-W |
| | 400 PPM IC CK STD SLN: T02-09222- | 10 PPM IC CK STD: T02 100322-PCV |

| POSITION | SAMPLE | DIL X | PH | COMMENTS | POSITION | SAMPLE | DIL X | PH | COMMENTS |
|----------|-------------|-------|----|----------|----------|--------|-------|----|----------|
| 1 | DL | | | | 27 | | | | |
| 2 | PCLKSID | | | - | 28 | | | | |
| 3 | FEV | | | - | 29 | | | | |
| 4 | FCM | | | - | 30 | | | | |
| 5 | MMB | | | - | 31 | | | | |
| 6 | dy | | | - | 32 | | | | |
| 7 | 54173.1 | 4 | 2 | - mat | 33 | | | | |
| 8 | 53502.12 | 1 | 2 | - | 34 | | | | |
| 9 | 54173.1 dup | 4 | 2 | - | 35 | | | | |
| 10 | .1 gm | 10 | 2 | - | 36 | | | | |
| 11 | 53502.1 | 1 | 2 | - | 37 | | | | |
| 12 | 2 | 1 | 2 | - | 38 | | | | |
| 13 | 3 | 1 | 2 | - | 39 | | | | |
| 14 | 4 | 1 | 2 | - | 40 | | | | |
| 15 | CCV | | | - | 41 | | | | |
| 16 | CB | | | - | 42 | | | | |
| 17 | 53502.5 | 1 | 2 | - | 43 | | | | |
| 18 | 6 | 1 | 2 | - | 44 | | | | |
| 19 | 7 | 4 | 2 | - | 45 | | | | |
| 20 | 9 | 4 | 2 | x conc | 46 | | | | |
| 21 | 10 | 1 | 2 | - | 47 | | | | |
| 22 | 11 FB | 1x | 2 | | 48 | | | | |
| 23 | 4 dup | 1 | 2 | | 49 | | | | |
| 24 | .4 gm | 4 | 2 | | 50 | | | | |
| 25 | 9 | 40 | 2 | | 51 | | | | |
| 26 | | | | | 52 | | | | |



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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2267729

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Project Name: FORMER PFIZER INC SITE B&D
Project Number: 0047.0044Y047

Lab Number: L2267729
Report Date: 12/08/22

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|-------------------------|----------------------------|---------------------------------|---------------------|
| L2267729-01 | MW-10 | WATER | 60-66 GERRY STREET | 12/02/22 11:50 | 12/02/22 |
| L2267729-02 | MW-19 | WATER | 60-66 GERRY STREET | 12/02/22 08:40 | 12/02/22 |
| L2267729-03 | MW-20 | WATER | 60-66 GERRY STREET | 12/02/22 11:00 | 12/02/22 |
| L2267729-04 | MW-21 | WATER | 60-66 GERRY STREET | 12/02/22 09:50 | 12/02/22 |
| L2267729-05 | MW-23 | WATER | 60-66 GERRY STREET | 12/02/22 12:30 | 12/02/22 |
| L2267729-06 | MW-24I | WATER | 60-66 GERRY STREET | 12/02/22 10:50 | 12/02/22 |
| L2267729-07 | MW-25I | WATER | 60-66 GERRY STREET | 12/02/22 11:40 | 12/02/22 |
| L2267729-08 | MW-D2 | WATER | 60-66 GERRY STREET | 12/02/22 09:55 | 12/02/22 |
| L2267729-09 | MW-D2I | WATER | 60-66 GERRY STREET | 12/02/22 08:45 | 12/02/22 |
| L2267729-10 | DUP_12022022 | WATER | 60-66 GERRY STREET | 12/02/22 00:00 | 12/02/22 |
| L2267729-11 | FIELD BLANK | FIELD BLANK | 60-66 GERRY STREET | 12/02/22 12:00 | 12/02/22 |
| L2267729-12 | TRIP BLANK | TRIP BLANK (AQUEOUS) | 60-66 GERRY STREET | 12/01/22 00:00 | 12/02/22 |

Project Name: FORMER PFIZER INC SITE B&D
Project Number: 0047.0044Y047

Lab Number: L2267729
Report Date: 12/08/22

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.

Project Name: FORMER PFIZER INC SITE B&D
Project Number: 0047.0044Y047

Lab Number: L2267729
Report Date: 12/08/22

Case Narrative (continued)

Report Submission

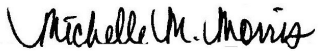
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Dissolved Gases

L2267729-09: The sample was collected in pre-preserved vials; however, the pH of the sample was determined to be greater than two.

The WG1720412-4/-5 MS/MSD recoveries, performed on L2267729-06, are outside the acceptance criteria for methane (1250%/495%). The unacceptable percent recoveries are attributed to the elevated concentration of target compound 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:  Report Date: 12/08/22

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



Project Name: FORMER PFIZER INC SITE B&D
Project Number: 0047.0044Y047

Lab Number: L2267729
Report Date: 12/08/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER PFIZER INC SITE B&D
Project Number: 0047.0044Y047

Lab Number: L2267729
Report Date: 12/08/22

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.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon (or equivalent)
Autosampler: EST Centurion (or equivalent)
Purge time: 11 min

Columns (length x ID x df):
RTX-VMS 20m x 0.18mm x 1um
RTX-VMS 30m x 0.25mm x 1.4um
RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon (or equivalent)
Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
Column Length: 105 Meters
df: 3.00 um
ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Tekmar Velocity / EST Encon
Autosampler: Varian Archon / EST Centurion
Purge time: 11 min

Column Type: DB-VRX
Column Length: 60 Meters
df: 1.40 um
ID: 0.25 mm
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
Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
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-CLP Pesticide 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 : L2267729

Received : 02-DEC-2022

Reviewer : Monique Irving

Account Name : Roux Env. Eng. & Geology, DPC

Project Number : 0047.0044Y047

Project Name : FORMER PFIZER INC SITE B&D

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

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

Condition Information

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

Volatile Organics/VPH

- | | |
|--|-----------|
| 1) Reagent Water Vials Frozen by Client? | NO |
|--|-----------|

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Dec 08 2022, 06:14 pm

Login Number: L2267729

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 02DEC22 Due Date: 08DEC22

Sample # Client ID Mat PR Collected

L2267729-01 MW-10 1 S0 02DEC22 11:50

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene ASP-B Package Due Date: 12/08/22

ASP-B,DISSGAS,E&I-FEE,NYTCL-8260,TOC-9060-PPB

L2267729-02 MW-19 1 S0 02DEC22 08:40

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS,NYTCL-8260,TOC-9060-PPB

L2267729-03 MW-20 1 S0 02DEC22 11:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS,NYTCL-8260,TOC-9060-PPB

L2267729-04 MW-21 1 S0 02DEC22 09:50

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS,NYTCL-8260,TOC-9060-PPB

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Dec 08 2022, 06:14 pm

Login Number: L2267729

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 02DEC22 Due Date: 08DEC22

Sample # Client ID Mat PR Collected

L2267729-05 MW-23 1 S0 02DEC22 12:30

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

L2267729-06 MW-24I 1 S0 02DEC22 10:50

L2267729-06 MS Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built L2267729-06 MSD DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS, MS/MSD, NYTCL-8260, TOC-9060-PPB

L2267729-07 MW-25I 1 S0 02DEC22 11:40

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

L2267729-08 MW-D2 1 S0 02DEC22 09:55

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Dec 08 2022, 06:14 pm

Login Number: L2267729

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 0047.0044Y047

Received: 02DEC22 Due Date: 08DEC22

Sample # Client ID Mat PR Collected

L2267729-09 MW-D2I 1 S0 02DEC22 08:45

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene
Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

L2267729-10 DUP_12022022 1 S0 02DEC22 00:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene
Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

L2267729-11 FIELD BLANK 1 S0 02DEC22 12:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Only one result per compound 8260: report list built DISSGAS: Methane,ethane,and ethene
Package Due Date: 12/08/22

DISSGAS, NYTCL-8260, TOC-9060-PPB

L2267729-12 TRIP BLANK 1 S0 01DEC22 00:00

DISSGAS: Methane,ethane,and ethene Package Due Date: 12/08/22

NYTCL-8260



**NEW YORK
CHAIN OF
CUSTODY**

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 12/02/22

ALPHA Job #
L2267729

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-896-9220
FAX: 508-898-9193

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

Project Information

Project Name: Former Pfizer Inc Site B & D
Project Location: 60-66 Gerry Street, Brooklyn, NY
Project #: 0047.0044Y047
(Use Project name as Project #)

Deliverables

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

Billing Information

Same as Client Info
PO #

Client Information

Client: Roux
Address: 209 Shafter Street
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

Regulatory Requirement

Project Manager: Julia Michaels
ALPHAQuote #:
Turn-Around Time
Standard Due Date:
Rush (only if pre approved) # of Days:

Regulatory Requirement

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

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:

MW-24I sampled in triplicate for MS/MSD
One VOA for MW-19 TCL VOC broken in field, submitting two VOA

Please specify Metals or TAL.

ANALYSIS

| TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | |
|---------------------|-----|-----------------|--|--|--|--|--|--|--|
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |
| X | X | X | | | | | | | |

Sample Filtration

Done
 Lab to do
Preservation
 Lab to do

(Please Specify below)
Sample Specific Comments

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | | | | | | |
|--------------------------------|--------------|------------|------|---------------|--------------------|---------------------|-----|-----------------|--|--|--|--|--|--|--|--|--|--|--|----|
| | | Date | Time | | | | | | | | | | | | | | | | | |
| 67729-01 | MW-10 | 12/2/22 | 1150 | GW | SL | X | X | X | | | | | | | | | | | | 8 |
| -02 | MW-19 | | 0840 | | SL | X | X | X | | | | | | | | | | | | 8 |
| -03 | MW-20 | | 1100 | | SL | X | X | X | | | | | | | | | | | | 8 |
| -04 | MW-21 | | 0950 | | SL | X | X | X | | | | | | | | | | | | 8 |
| -05 | MW-23 | | 1230 | | JM | X | X | X | | | | | | | | | | | | 8 |
| -06 | MW-24I | | 1050 | | JM | X | X | X | | | | | | | | | | | | 21 |
| -07 | MW-25I | | 1140 | | JM | X | X | X | | | | | | | | | | | | 8 |
| -08 | MW-D2 | | 0955 | | JM | X | X | X | | | | | | | | | | | | 8 |
| -09 | MW-D2I | | 0845 | | JM | X | X | X | | | | | | | | | | | | 8 |
| -10 | DVP-12022022 | 12/2/22 | - | | SL | X | X | X | | | | | | | | | | | | 8 |

Preservative Code:
A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
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 v v

Preservative
B D B

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.

| Relinquished By: | Date/Time | Received By: | Date/Time |
|------------------|---------------|---------------|---------------|
| Julia Michaels | 12/2/22 14:15 | Paul Marzella | 12/2/22 14:15 |
| Paul Marzella | 12/2/22 16:35 | Paul Marzella | 12/2/22 16:35 |
| Paul Marzella | 12/2/22 | Paul Marzella | 12/2/22 |



**NEW YORK
CHAIN OF
CUSTODY**

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

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

Page 2
of

Date Rec'd
in Lab 12/02/22

ALPHA Job #
22267729

Project Information

Project Name: Former Pfizer Inc Site B & D
Project Location: 60-66 Gerry Street, Brooklyn, NY
Project #: 0047.0044Y047
(Use Project name as Project #)

Project Manager: Julia Michaels
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 #

Client Information

Client: Roux
Address: 209 Shafter Street
Islandia, NY 11749
Phone: 631-232-2600
Fax:
Email: jmichaels@rouxinc.com

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:

Please specify Metals or TAL.

ANALYSIS

| TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | | |
|---------------------|-----|-----------------|--|--|--|--|--|--|--|--|
| X | X | X | | | | | | | | |
| X | | | | | | | | | | |

Sample Filtration

Done
 Lab to do
Preservation
 Lab to do

(Please Specify below)

| ALPHA Lab ID (Lab Use Only) | Sample ID | Collection | | Sample Matrix | Sampler's Initials | TCL VOCs USEPA 8260 | TOC | Methane, Ethene | | | | | | | | | | |
|--------------------------------|-------------|------------|------|---------------|--------------------|---------------------|-----|-----------------|--|--|--|--|--|--|--|--|--|--|
| | | Date | Time | | | | | | | | | | | | | | | |
| 67729-11 | Field Blank | 12/2/22 | 1200 | W | SL | X | X | X | | | | | | | | | | |
| -12 | Top Blank | 12/1/22 | - | W | BS | X | | | | | | | | | | | | |

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
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 V V
Preservative
B D B

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.

| Relinquished By: | Date/Time | Received By: | Date/Time |
|--------------------|---------------|--------------------|---------------|
| <i>[Signature]</i> | 12/2/22 14:15 | <i>[Signature]</i> | 12/2/22 14:16 |
| <i>[Signature]</i> | 12/2/22 16:38 | Paul Magarella | 12/2/22 16:38 |
| <i>[Signature]</i> | 12/2/22 | <i>[Signature]</i> | 12/2/22 2000 |

Organics

GC VOA Air Analysis

Volatiles QC Summary

**Laboratory Control Sample Summary
Form 3
Volatiles**

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2267729
 Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
 Matrix : WATER
 LCS Sample ID : WG1720412-2 Analysis Date : 12/07/22 08:27 File ID : R0945159
 LCSD Sample ID : Analysis Date : File ID :

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methane | 54.6 | 57.0 | 104 | | | | - | 80-120 | 25 |
| Ethene | 95.5 | 93.9 | 98 | | | | - | 80-120 | 25 |
| Ethane | 102 | 98.9 | 97 | | | | - | 80-120 | 25 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-24I | Matrix : WATER |
| Lab Sample ID : L2267729-06 | Analysis Date : 12/07/22 11:30 |
| Matrix Spike : WG1720412-4 | MS Analysis Date : 12/07/22 15:48 |
| Matrix Spike Dup : WG1720412-5 | MSD Analysis Date : 12/07/22 16:08 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|-----------|---------------------|---------------------|--------------------|-------|------------------------|--------------------|-------|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Methane | 3820 | 54.6 | 4500 | 1250Q | 54.6 | 4090 | 495 Q | 10 | 80-120 | 25 |
| Ethene | 0.858 | 95.5 | 107 | 111 | 95.5 | 97.3 | 101 | 9 | 80-120 | 25 |
| Ethane | 6.20 | 102 | 120 | 111 | 102 | 108 | 99 | 11 | 80-120 | 25 |



Method Blank Summary

Form 4

Volatiles

| | | | |
|---------------|---------------------------------|----------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1720412-3 | Lab File ID | : R0945160 |
| Instrument ID | : AIRLAB9 | | |
| Matrix | : WATER | Analysis Date | : 12/07/22 08:50 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|-------------------|---------------|----------------|
| WG1720412-2LCS | WG1720412-2 | 12/07/22 08:27 |
| MW-24I | L2267729-06 | 12/07/22 11:30 |
| MW-10 | L2267729-01 | 12/07/22 11:46 |
| MW-20 | L2267729-03 | 12/07/22 12:22 |
| MW-21 | L2267729-04 | 12/07/22 12:40 |
| MW-23 | L2267729-05 | 12/07/22 12:59 |
| MW-25I | L2267729-07 | 12/07/22 13:17 |
| MW-D2 | L2267729-08 | 12/07/22 13:35 |
| MW-D2I | L2267729-09 | 12/07/22 13:53 |
| MW-19 | L2267729-02 | 12/07/22 15:02 |
| DUP_12022022 | L2267729-10 | 12/07/22 15:25 |
| MW-24IMS | WG1720412-4 | 12/07/22 15:48 |
| MW-24IMSD | WG1720412-5 | 12/07/22 16:08 |
| FIELD BLANK | L2267729-11 | 12/07/22 17:09 |





Date Created: 11/07/16
 Created By: Jason Hebert
 File: PM2974-1
 Page: 1

Dissolved Gases (WATER)

Holding Time: 14 days
 Container/Sample Preservation: 2 - 20ml Vial HCl preserved

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria | | |
|----------------|----------|-----|-------|-------|-----------------|---------|----------------|--------|------------------|-----------------------|--|--|
| Methane | 74-82-8 | 0.5 | 0.117 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Ethene | 74-85-1 | 0.5 | 0.151 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Ethane | 74-84-0 | 0.5 | 0.176 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Propane | 74-98-6 | 1 | 0.23 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Butane | 106-97-8 | 1 | 0.238 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Acetylene | 74-86-2 | 2.5 | 0.607 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
| Carbon Dioxide | 124-38-9 | 3 | 0.485 | ug/l | 80-120 | 25 | 80-120 | 25 | 25 | | | |
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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.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com
 Westborough, MA • Mansfield, MA • Bangor, ME • Portsmouth, NH • Mahwah, NJ • Albany, NY • Buffalo, NY • Holmes, PA



Volatiles Sample Data

Results Summary
Form 1
Dissolved Gases by GC

| | |
|---|--|
| Client : Roux Env. Eng. & Geology, DPC Project Name : FORMER PFIZER INC SITE B&D Lab ID : L2267729-01 Client ID : MW-10 Sample Location : 60-66 GERRY STREET Sample Matrix : WATER Analytical Method : 117,- Lab File ID : R0945162 Sample Amount : 0.5 ml Level : LOW Extract Volume (MeOH) : N/A | Lab Number : L2267729 Project Number : 0047.0044Y047 Date Collected : 12/02/22 11:50 Date Received : 12/02/22 Date Analyzed : 12/07/22 11:46 Dilution Factor : 1 Analyst : BJB Instrument ID : AIRLAB9 GC Column : %Solids : N/A Injection Volume : N/A |
|---|--|

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 3390 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 0.702 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 14.0 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-02 | Date Collected | : 12/02/22 08:40 |
| Client ID | : MW-19 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 15:02 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945172 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Results Summary
Form 1
Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-03 | Date Collected | : 12/02/22 11:00 |
| Client ID | : MW-20 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:22 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945164 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 4660 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 4.77 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 19.2 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-04 | Date Collected | : 12/02/22 09:50 |
| Client ID | : MW-21 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:40 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945165 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 464 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | 1.37 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | |
|---|--|
| <p>Client : Roux Env. Eng. & Geology, DPC Project Name : FORMER PFIZER INC SITE B&D Lab ID : L2267729-05 Client ID : MW-23 Sample Location : 60-66 GERRY STREET Sample Matrix : WATER Analytical Method : 117,- Lab File ID : R0945166 Sample Amount : 0.5 ml Level : LOW Extract Volume (MeOH) : N/A</p> | <p>Lab Number : L2267729 Project Number : 0047.0044Y047 Date Collected : 12/02/22 12:30 Date Received : 12/02/22 Date Analyzed : 12/07/22 12:59 Dilution Factor : 1 Analyst : BJB Instrument ID : AIRLAB9 GC Column : %Solids : N/A Injection Volume : N/A</p> |
|---|--|

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 127 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-06 | Date Collected | : 12/02/22 10:50 |
| Client ID | : MW-24I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 11:30 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945161 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 3820 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 0.858 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 6.20 | 0.500 | 0.500 | |



Results Summary
Form 1
Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-07 | Date Collected | : 12/02/22 11:40 |
| Client ID | : MW-25I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 13:17 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945167 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 2840 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 6.53 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 6.09 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | |
|---|--|
| Client : Roux Env. Eng. & Geology, DPC Project Name : FORMER PFIZER INC SITE B&D Lab ID : L2267729-08 Client ID : MW-D2 Sample Location : 60-66 GERRY STREET Sample Matrix : WATER Analytical Method : 117,- Lab File ID : R0945168 Sample Amount : 0.5 ml Level : LOW Extract Volume (MeOH) : N/A | Lab Number : L2267729 Project Number : 0047.0044Y047 Date Collected : 12/02/22 09:55 Date Received : 12/02/22 Date Analyzed : 12/07/22 13:35 Dilution Factor : 1 Analyst : BJB Instrument ID : AIRLAB9 GC Column : %Solids : N/A Injection Volume : N/A |
|---|--|

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 2100 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 631 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 53.3 | 0.500 | 0.500 | |



**Results Summary
Form 1
Dissolved Gases by GC**

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-09 | Date Collected | : 12/02/22 08:45 |
| Client ID | : MW-D2I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 13:53 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945169 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | 10400 | 2.00 | 2.00 | |
| 74-85-1 | Ethene | 25.0 | 0.500 | 0.500 | |
| 74-84-0 | Ethane | 30.2 | 0.500 | 0.500 | |



Results Summary

Form 1

Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-10 | Date Collected | : 12/02/22 00:00 |
| Client ID | : DUP_12022022 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 15:25 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945173 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Results Summary

Form 1

Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-11 | Date Collected | : 12/02/22 12:00 |
| Client ID | : FIELD BLANK | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 17:09 |
| Sample Matrix | : Field Blank | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945178 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Results Summary

Form 1

Dissolved Gases by GC

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1720412-3 | Date Collected | : NA |
| Client ID | : WG1720412-3BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 12/07/22 08:50 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 117,- | Analyst | : BJB |
| Lab File ID | : R0945160 | Instrument ID | : AIRLAB9 |
| Sample Amount | : 0.5 ml | GC Column | : |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|---------|-----------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 74-82-8 | Methane | ND | 2.00 | 2.00 | U |
| 74-85-1 | Ethene | ND | 0.500 | 0.500 | U |
| 74-84-0 | Ethane | ND | 0.500 | 0.500 | U |



Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945161.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 11:30 am
 Operator : AIRLAB9:BJB
 Sample : L2267729-06,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:51:22 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.169 | 534897452 | 3822.392 | ug/L M4 |
| 2) ethene | 4.194 | 122272 | 0.858 | ug/L M2 |
| 4) ethane | 5.080 | 975176 | 6.195 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

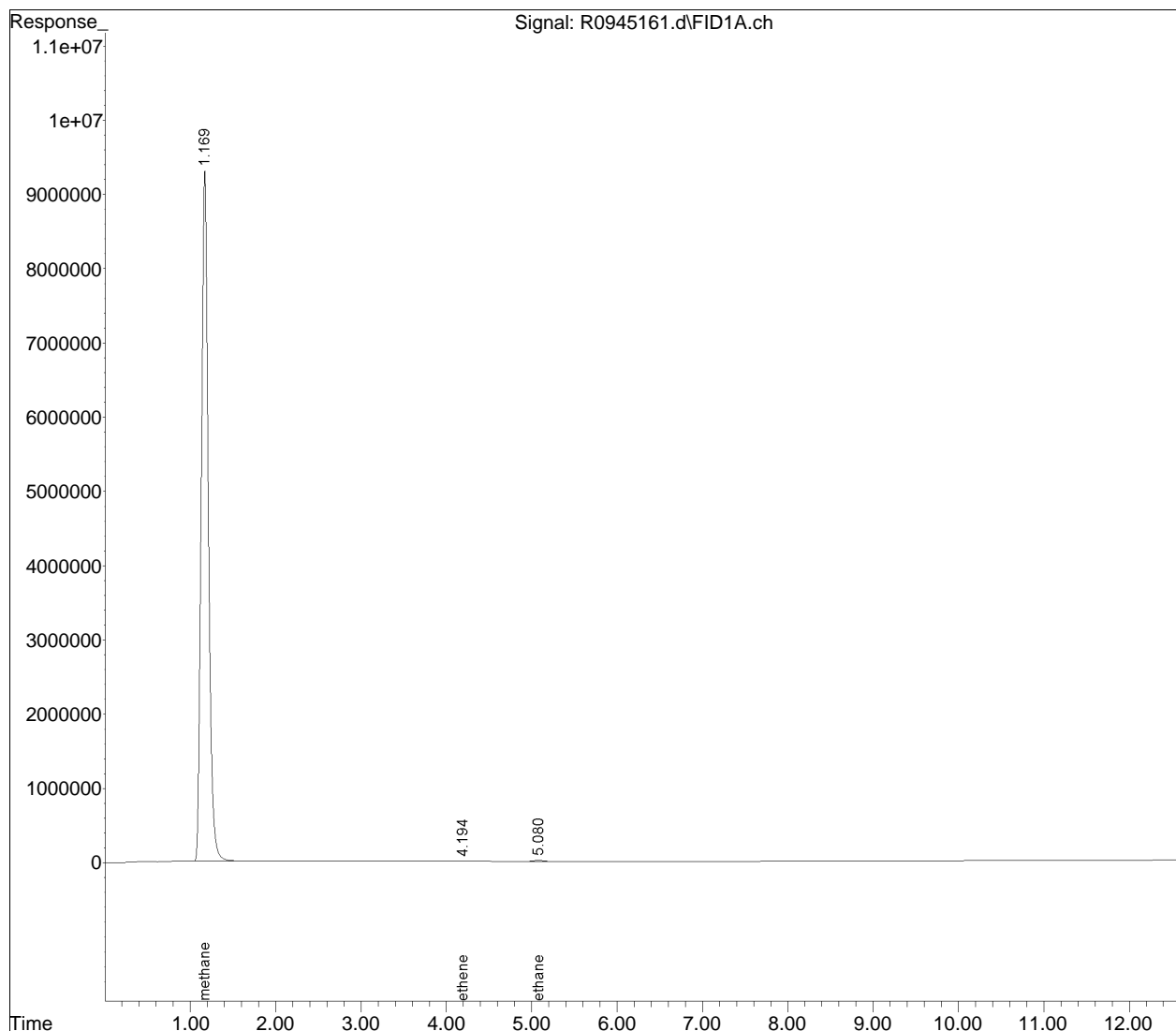
Quantitation Report (QT Reviewed)

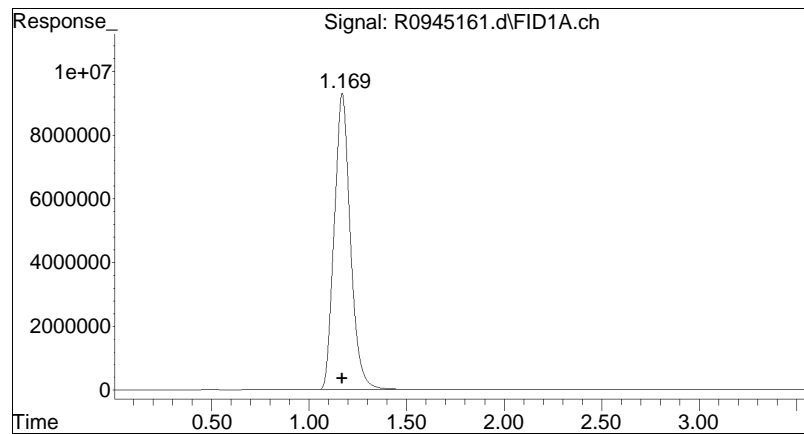
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945161.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 11:30 am
Operator : AIRLAB9:BJB
Sample : L2267729-06,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:51:22 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

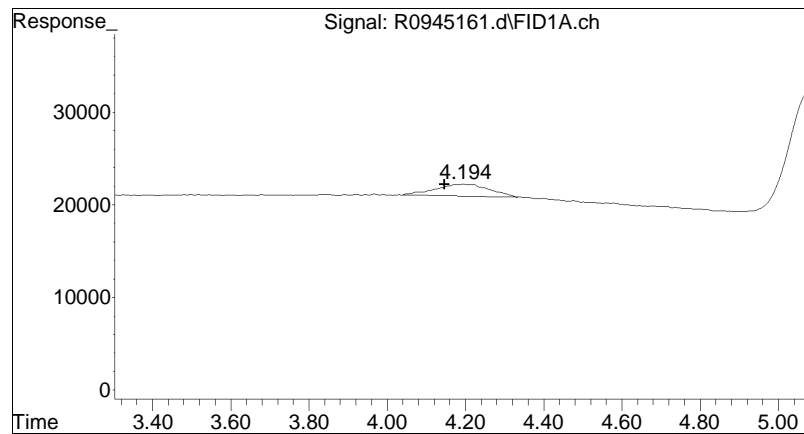
Sub List : MEE - All compounds listed





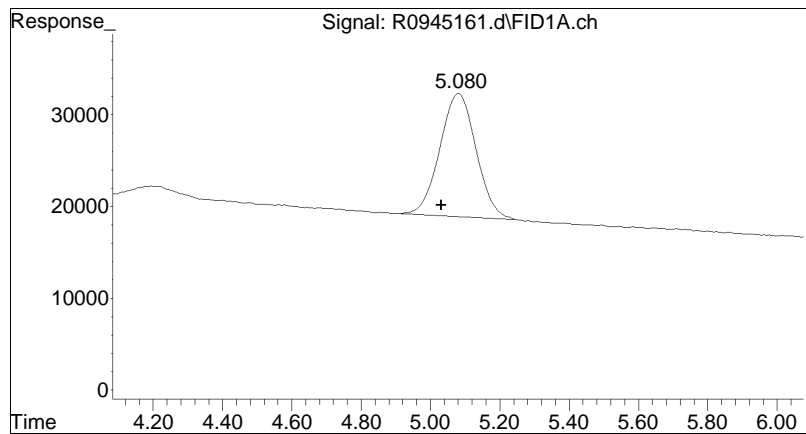
#1 methane

R.T.: 1.169 min
Delta R.T.: -0.001 min
Response: 534897452
Conc: 3822.39 ug/L M4



#2 ethene

R.T.: 4.194 min
Delta R.T.: 0.047 min
Response: 122272
Conc: 0.86 ug/L M2



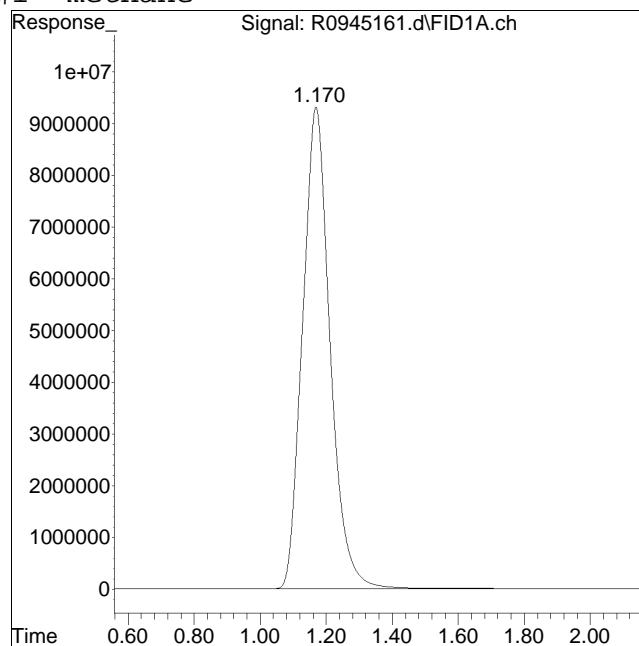
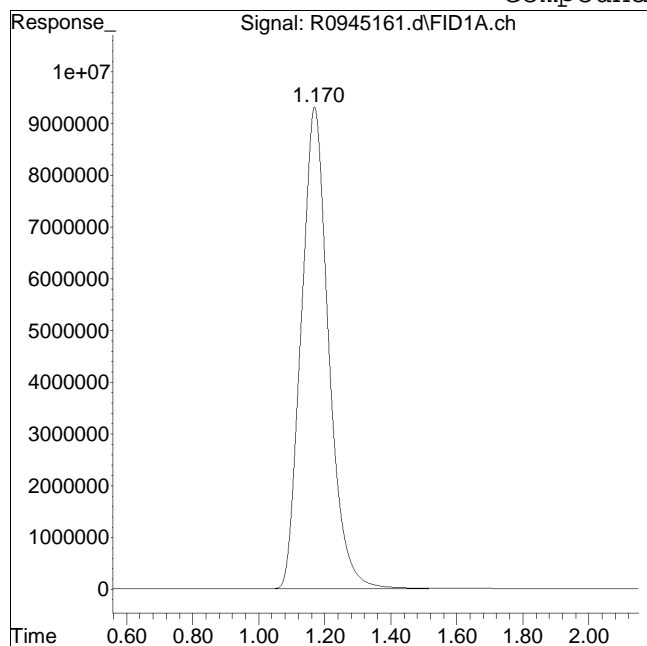
#4 ethane

R.T.: 5.080 min
Delta R.T.: 0.049 min
Response: 975176
Conc: 6.20 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945161.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:30 am Instrument : Airlab9
Sample : L2267729-06,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 534298798

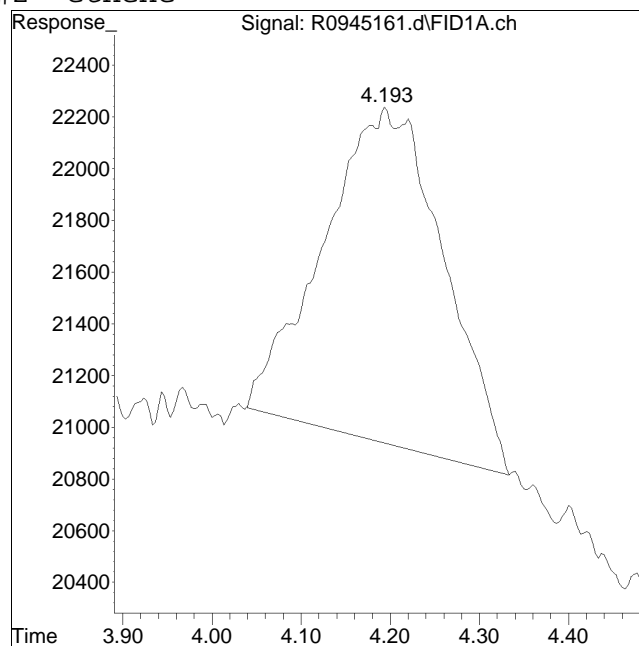
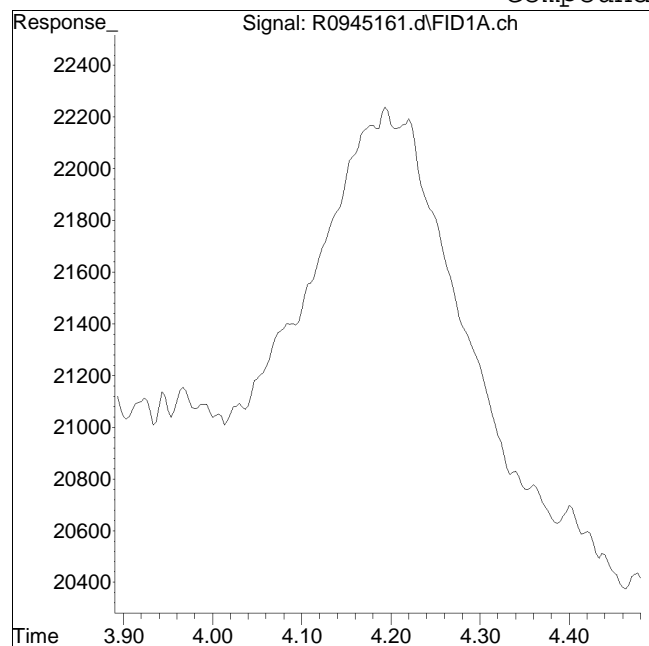
Manual Peak Response = 534897452 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945161.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:30 am Instrument : Airlab9
Sample : L2267729-06,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

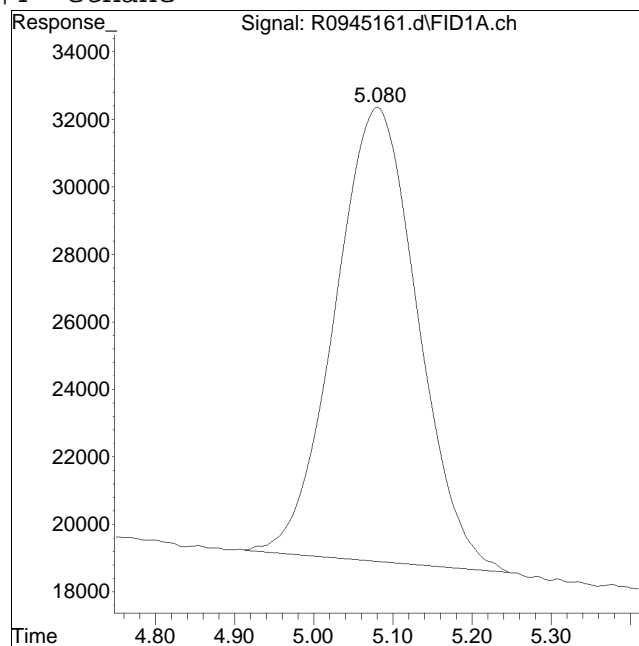
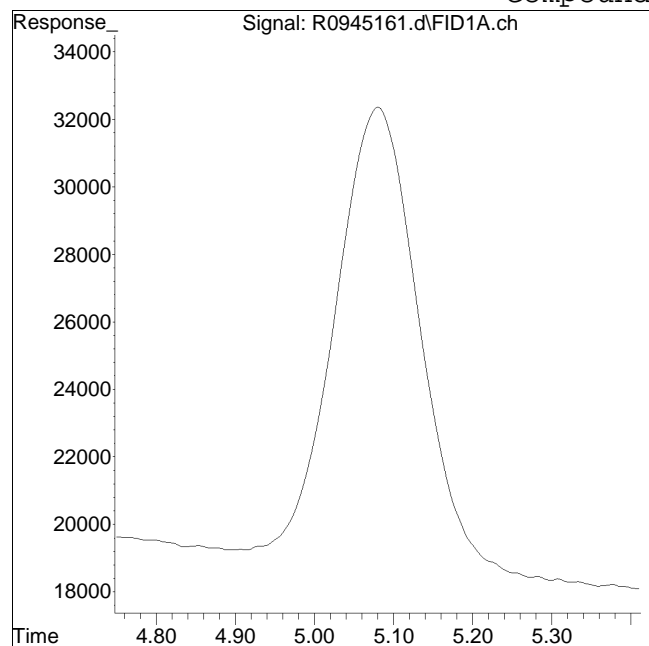
Manual Peak Response = 122272 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945161.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:30 am Instrument : Airlab9
Sample : L2267729-06,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 975176 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945162.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 11:46 am
 Operator : AIRLAB9:BJB
 Sample : L2267729-01,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:55:18 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.173 | 474519637 | 3390.930 | ug/L M4 |
| 2) ethene | 4.220 | 100120 | 0.702 | ug/L M2 |
| 4) ethane | 5.092 | 2212002 | 14.052 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

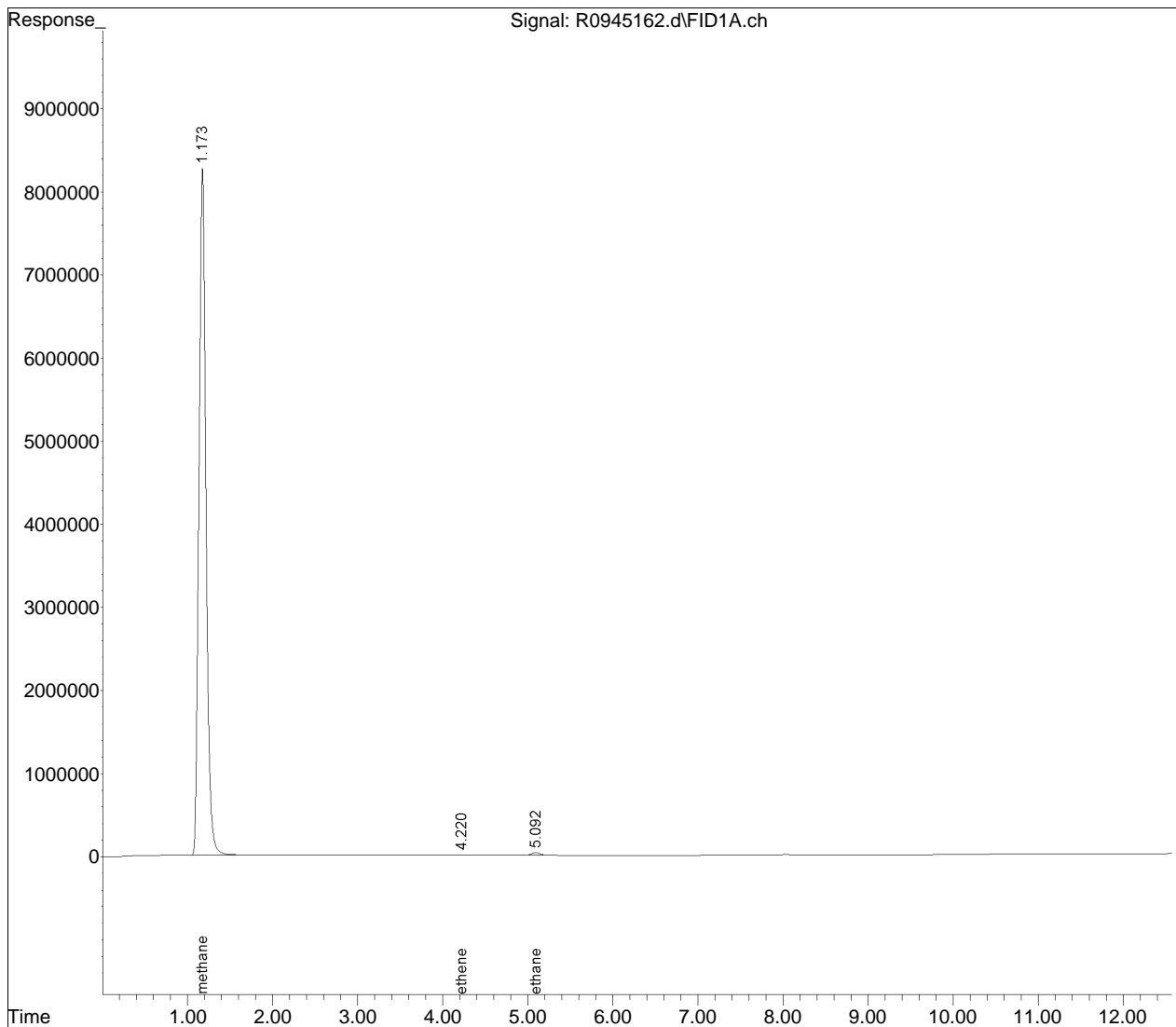
Quantitation Report (QT Reviewed)

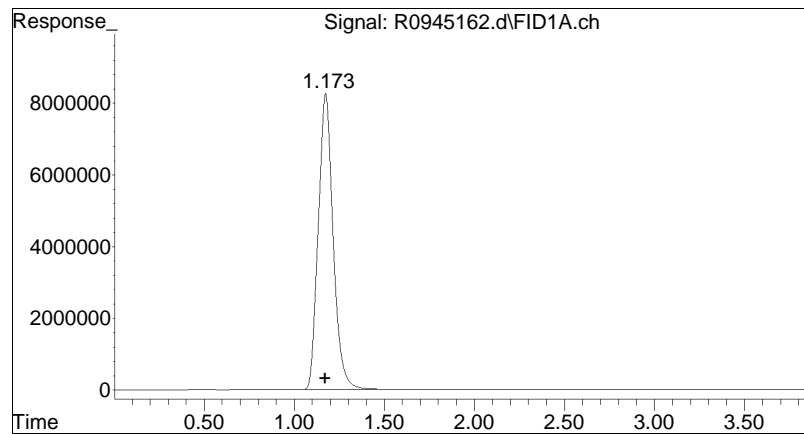
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945162.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 11:46 am
Operator : AIRLAB9:BJB
Sample : L2267729-01,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:55:18 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

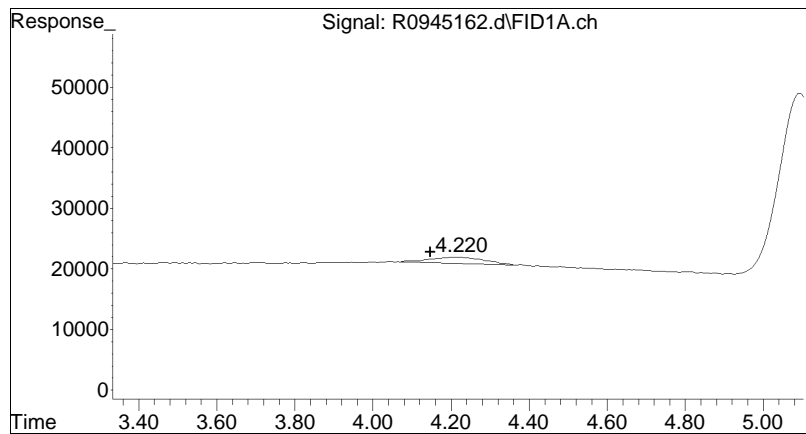
Sub List : MEE - All compounds listed





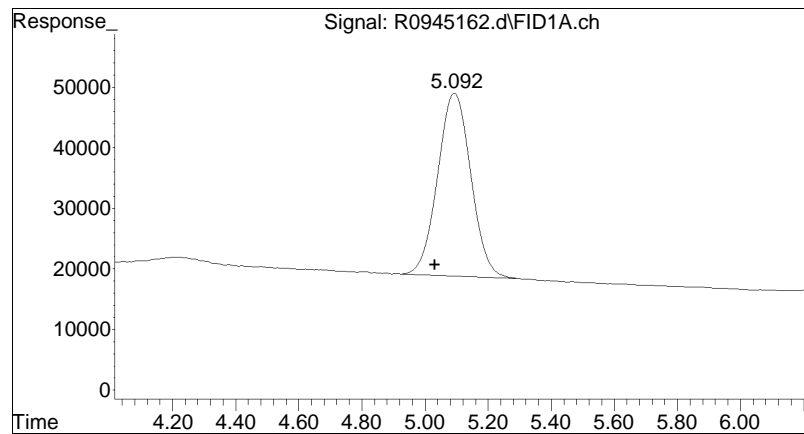
#1 methane

R.T.: 1.173 min
Delta R.T.: 0.003 min
Response: 474519637
Conc: 3390.93 ug/L M4



#2 ethene

R.T.: 4.220 min
Delta R.T.: 0.073 min
Response: 100120
Conc: 0.70 ug/L M2



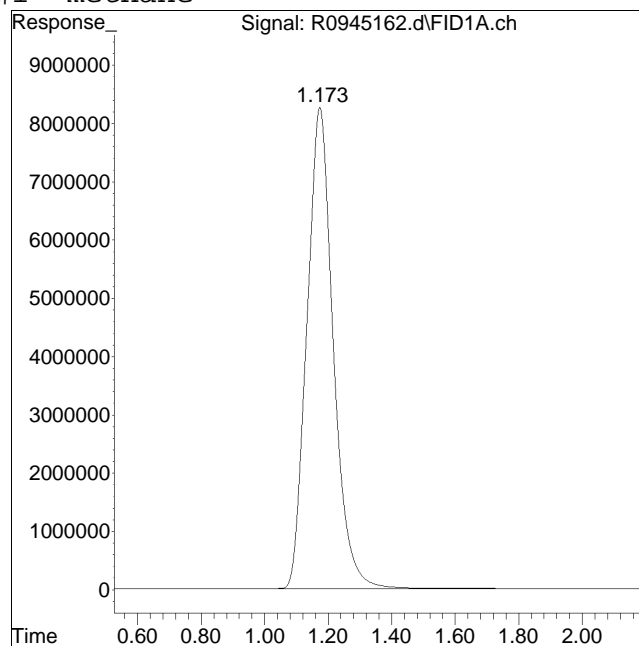
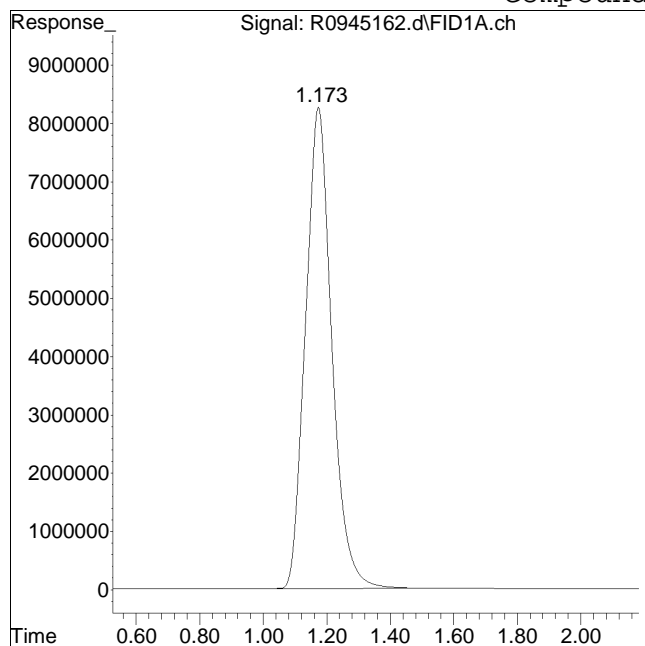
#4 ethane

R.T.: 5.092 min
Delta R.T.: 0.060 min
Response: 2212002
Conc: 14.05 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945162.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:46 am Instrument : Airlab9
Sample : L2267729-01,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 473850669

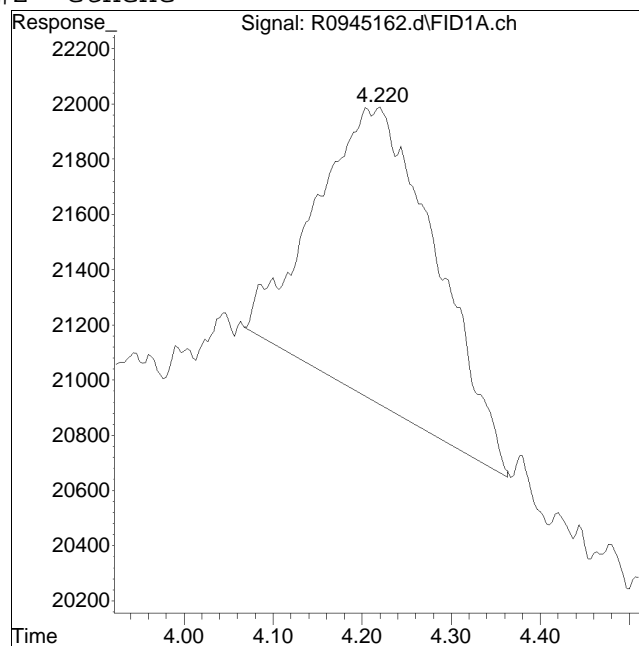
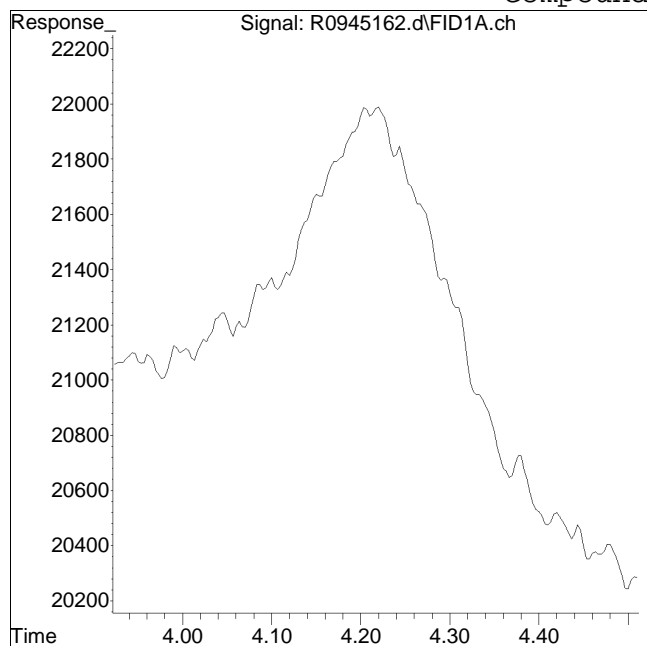
Manual Peak Response = 474519637 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945162.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:46 am Instrument : Airlab9
Sample : L2267729-01,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

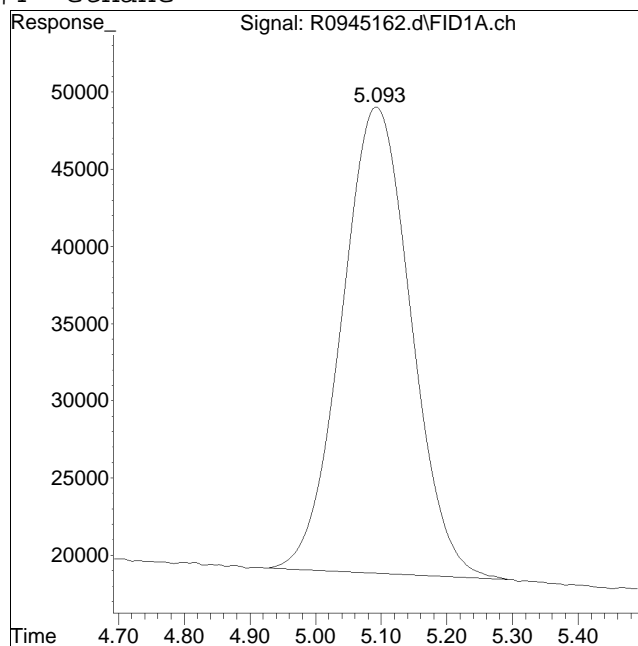
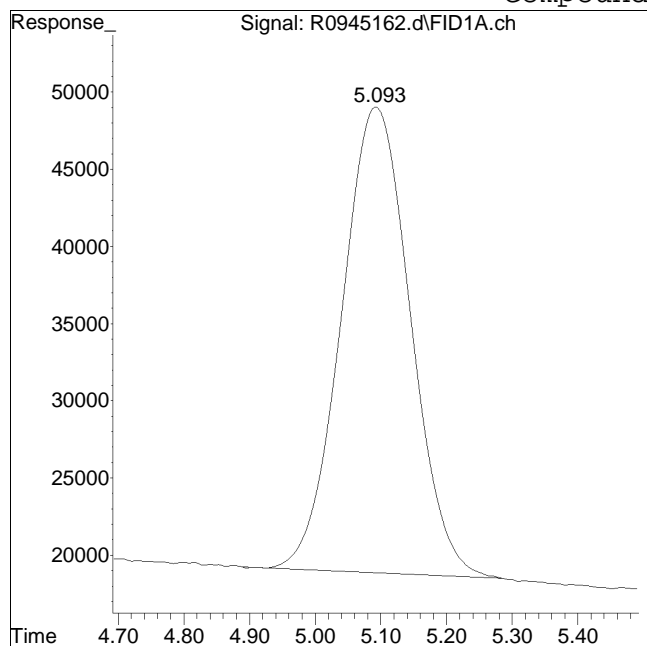
Manual Peak Response = 100120 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945162.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 11:46 am Instrument : Airlab9
Sample : L2267729-01,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 2205734

Manual Peak Response = 2212002 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945164.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 12:22 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-03,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:56:15 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.172 | 652693227 | 4664.164 | ug/L M4 |
| 2) ethene | 4.219 | 680615 | 4.774 | ug/L M2 |
| 4) ethane | 5.090 | 3015842 | 19.159 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

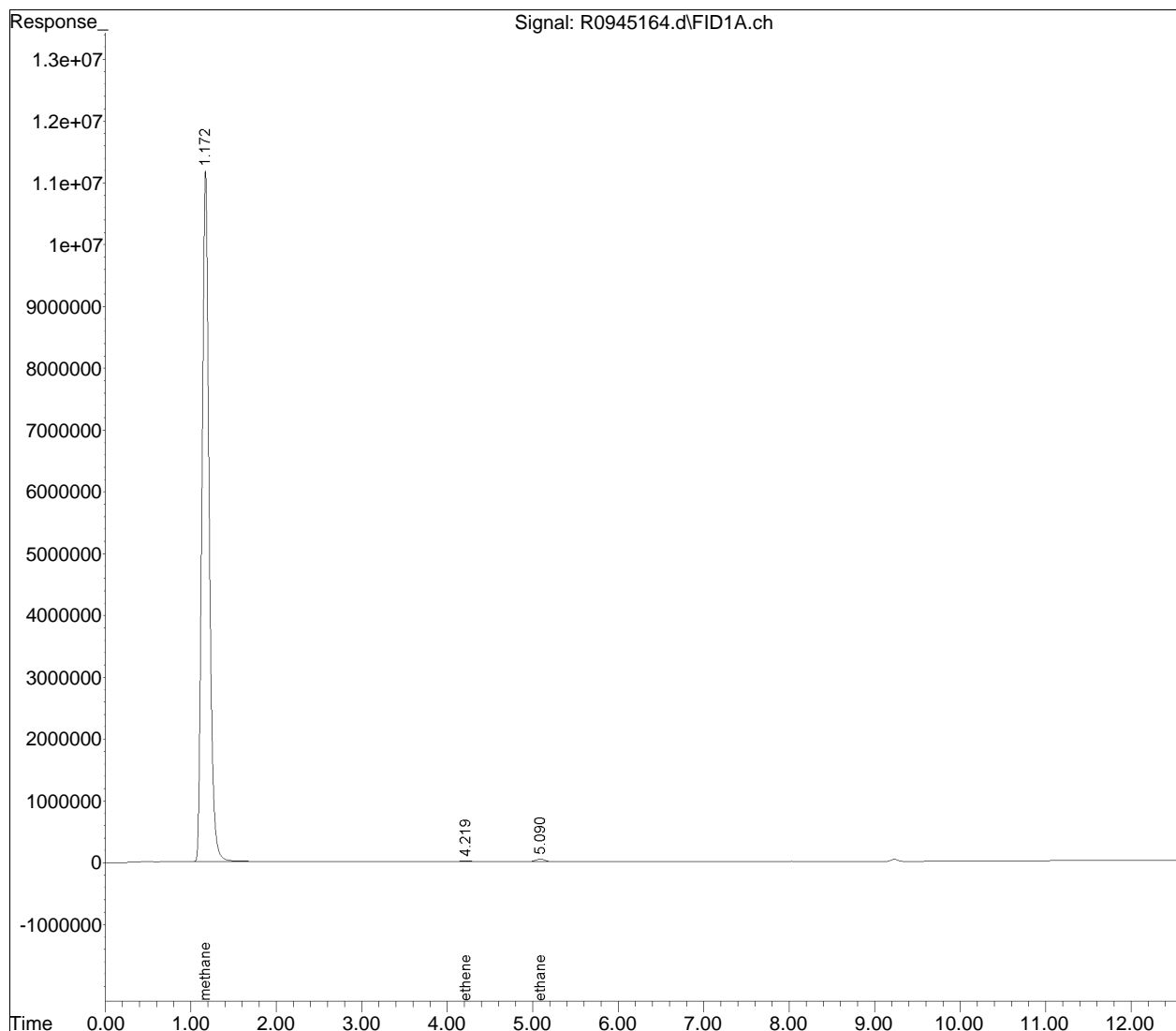
Quantitation Report (QT Reviewed)

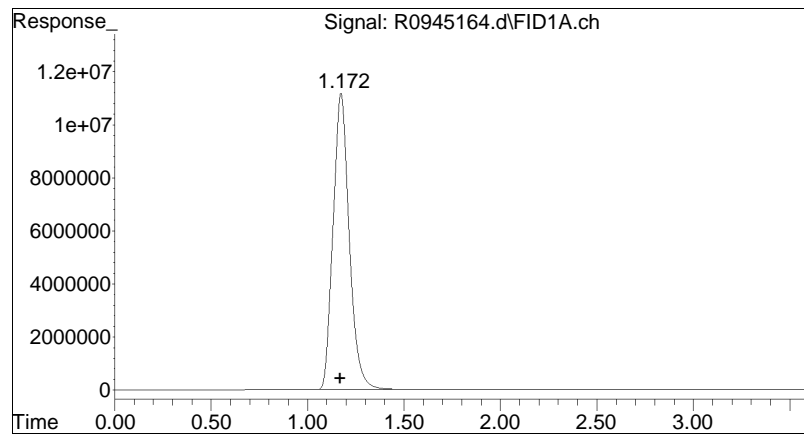
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945164.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 12:22 pm
Operator : AIRLAB9:BJB
Sample : L2267729-03,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:56:15 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

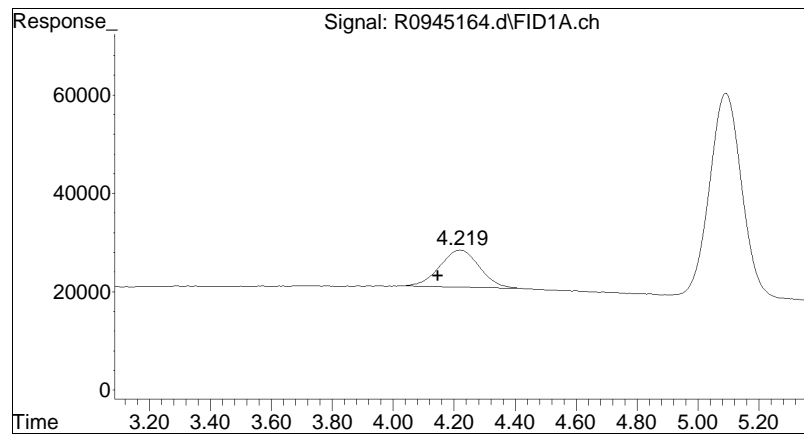
Sub List : MEE - All compounds listed





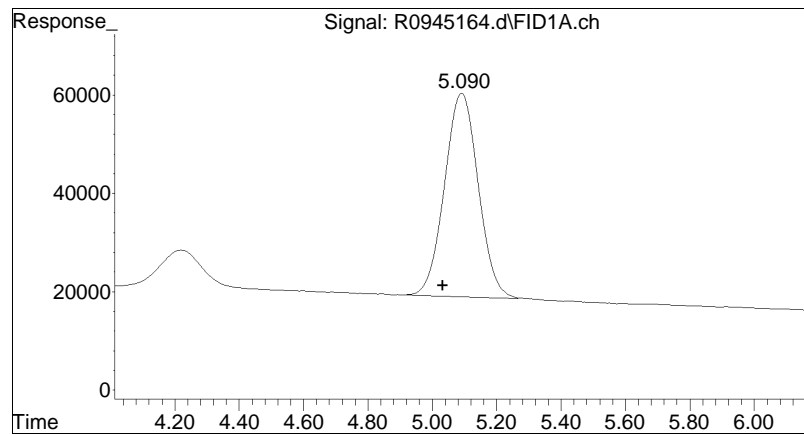
#1 methane

R.T.: 1.172 min
Delta R.T.: 0.002 min
Response: 652693227
Conc: 4664.16 ug/L M4



#2 ethene

R.T.: 4.219 min
Delta R.T.: 0.072 min
Response: 680615
Conc: 4.77 ug/L M2



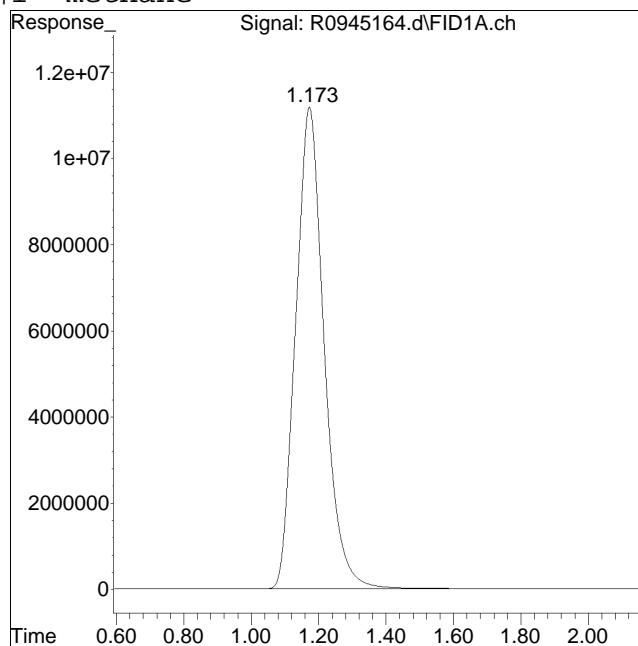
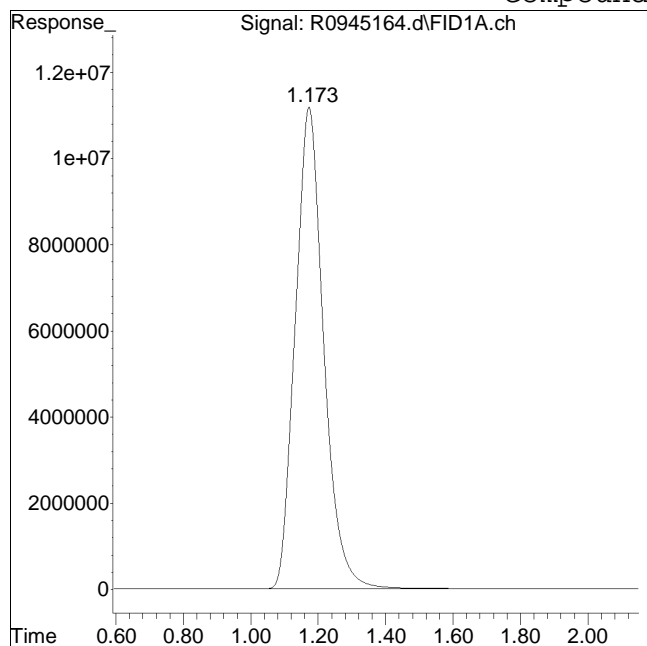
#4 ethane

R.T.: 5.090 min
Delta R.T.: 0.059 min
Response: 3015842
Conc: 19.16 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945164.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:22 pm Instrument : Airlab9
Sample : L2267729-03,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 652249775

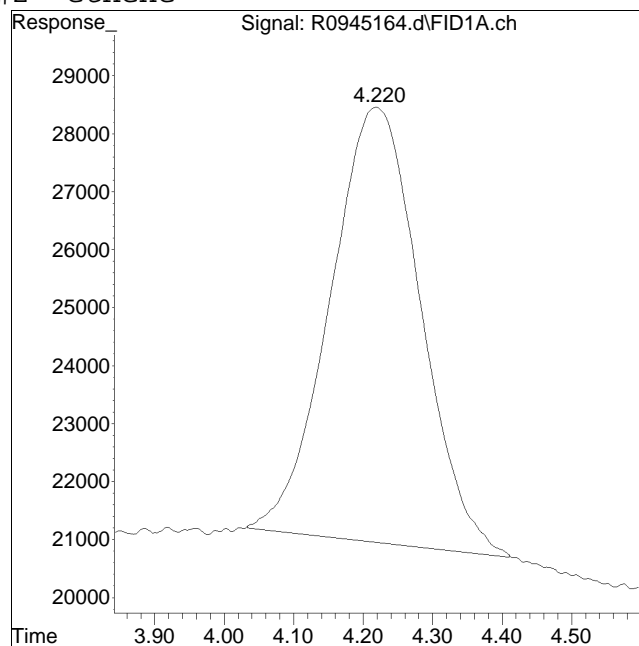
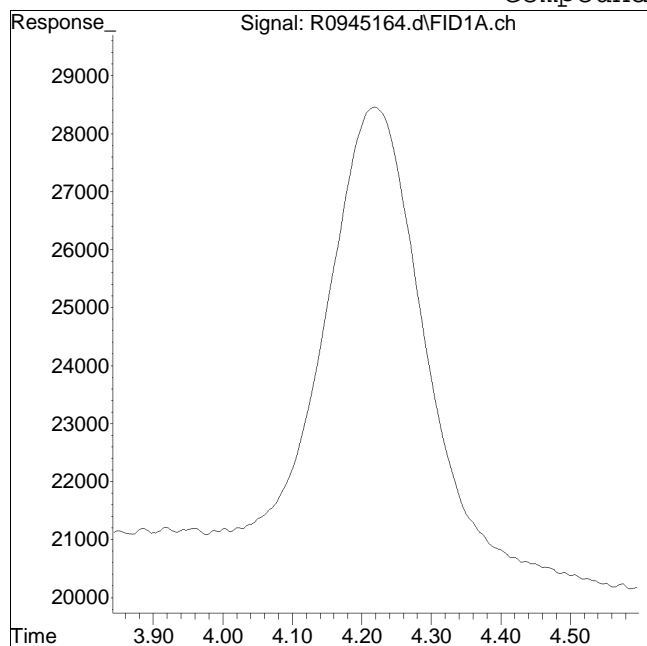
Manual Peak Response = 652693227 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945164.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:22 pm Instrument : Airlab9
Sample : L2267729-03,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

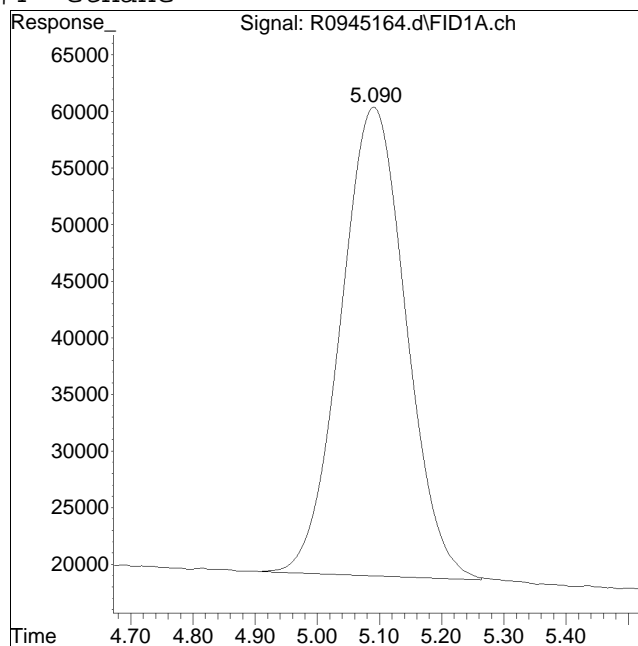
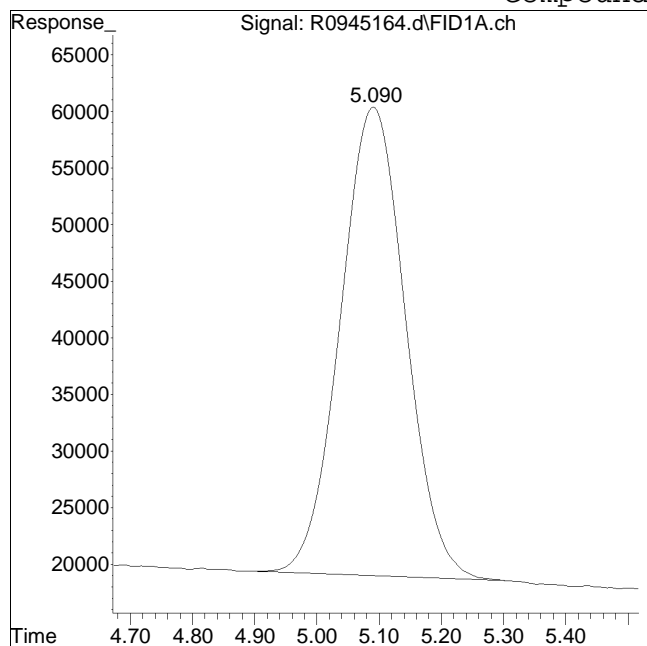
Manual Peak Response = 680615 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945164.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:22 pm Instrument : Airlab9
Sample : L2267729-03,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 3015029

Manual Peak Response = 3015842 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945165.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 12:40 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-04,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:57:02 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.178 | 65009829 | 464.562 | ug/L M4 |
| 2) ethene | 4.119 | 28276 | 0.198 | ug/L M2 |
| 4) ethane | 5.097 | 216005 | 1.372 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

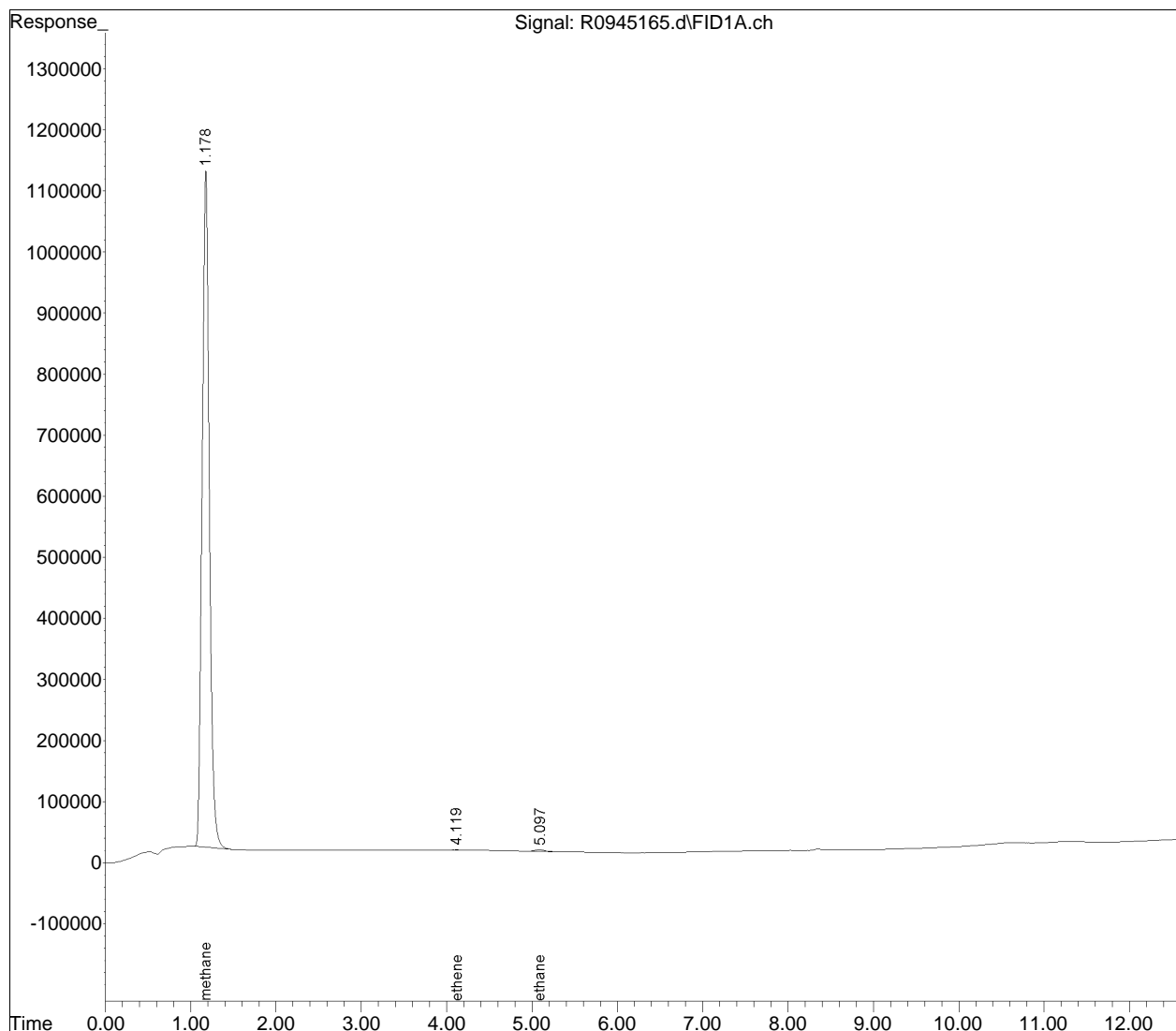
Quantitation Report (QT Reviewed)

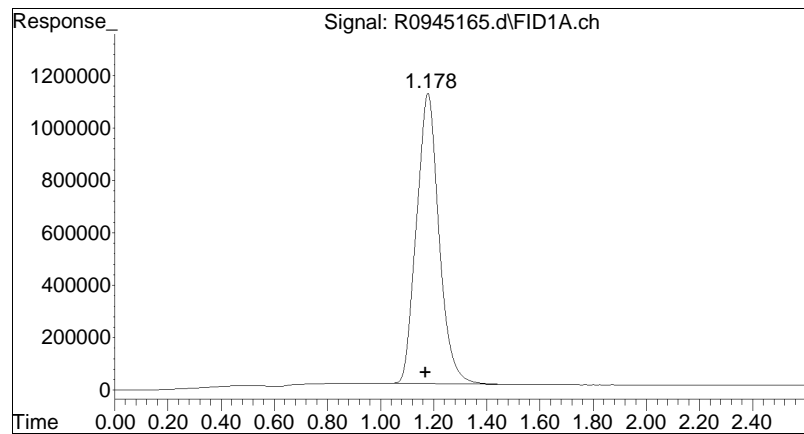
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945165.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 12:40 pm
Operator : AIRLAB9:BJB
Sample : L2267729-04,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:57:02 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

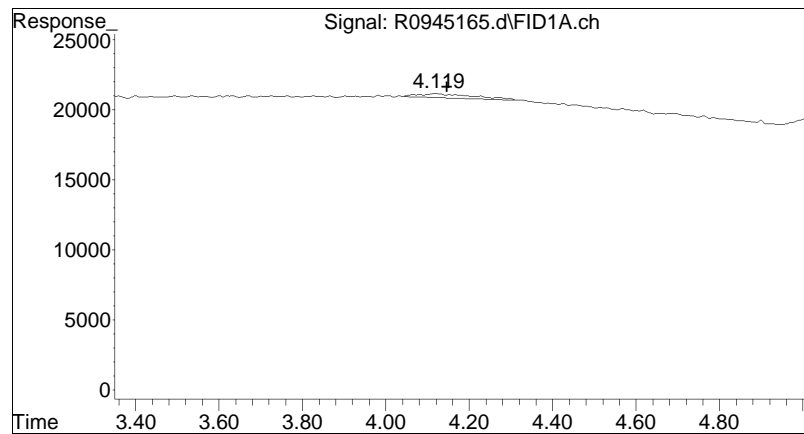
Sub List : MEE - All compounds listed





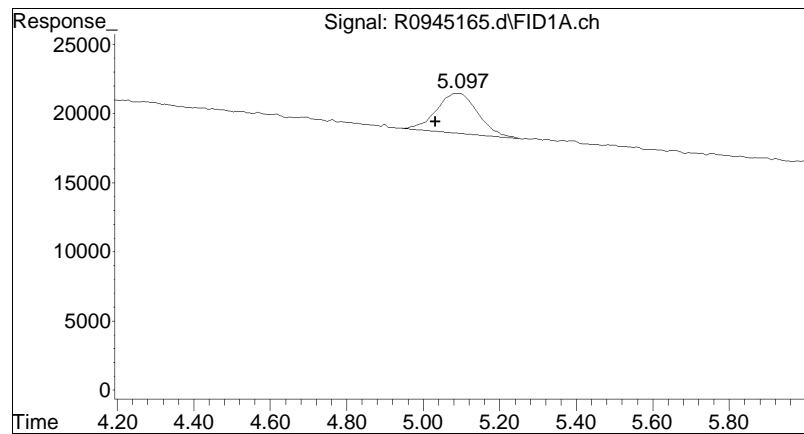
#1 methane

R.T.: 1.178 min
Delta R.T.: 0.008 min
Response: 65009829
Conc: 464.56 ug/L M4



#2 ethene

R.T.: 4.119 min
Delta R.T.: -0.027 min
Response: 28276
Conc: 0.20 ug/L M2



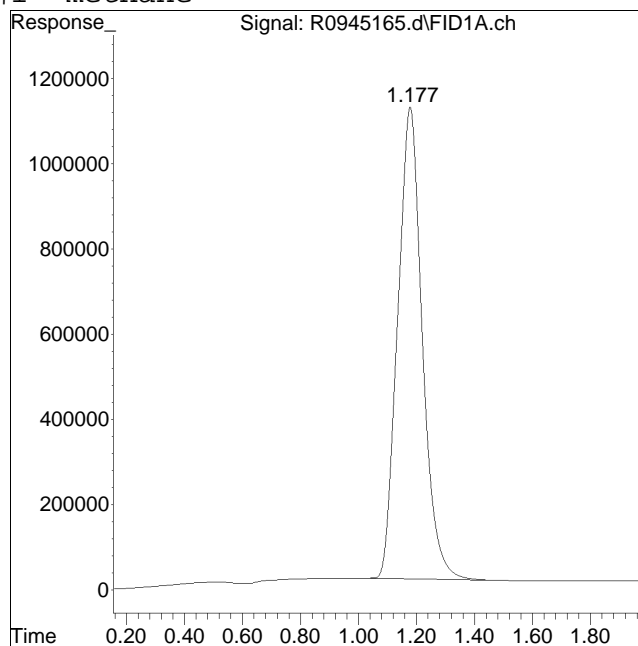
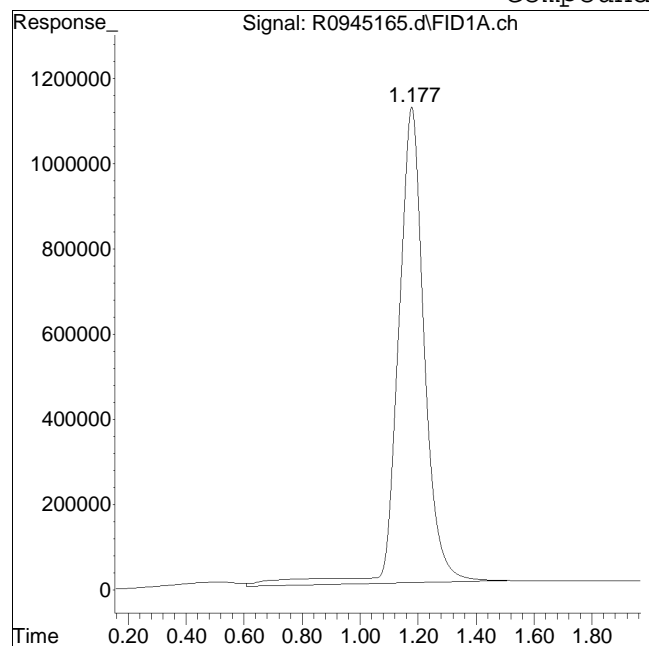
#4 ethane

R.T.: 5.097 min
Delta R.T.: 0.065 min
Response: 216005
Conc: 1.37 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945165.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:40 pm Instrument : Airlab9
Sample : L2267729-04,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 70162714

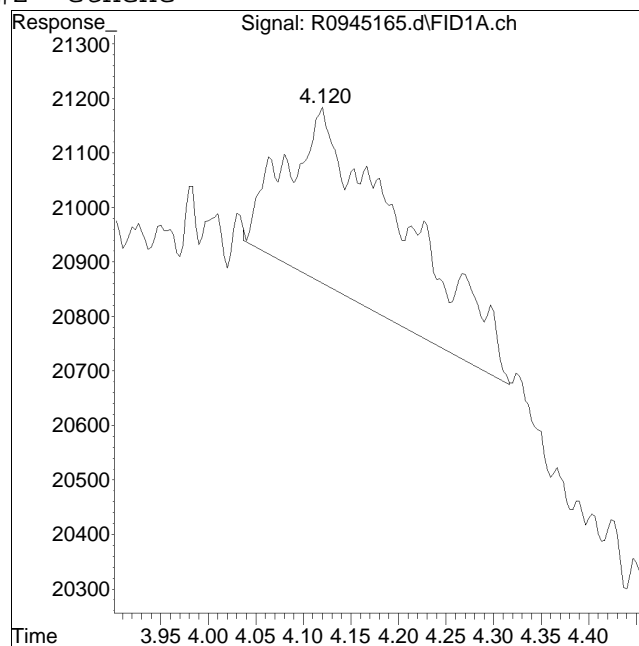
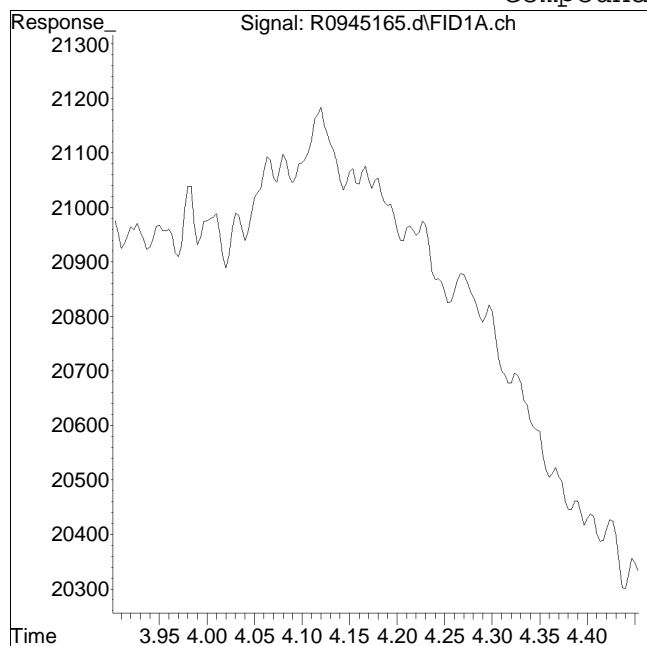
Manual Peak Response = 65009829 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945165.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:40 pm Instrument : Airlab9
Sample : L2267729-04,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

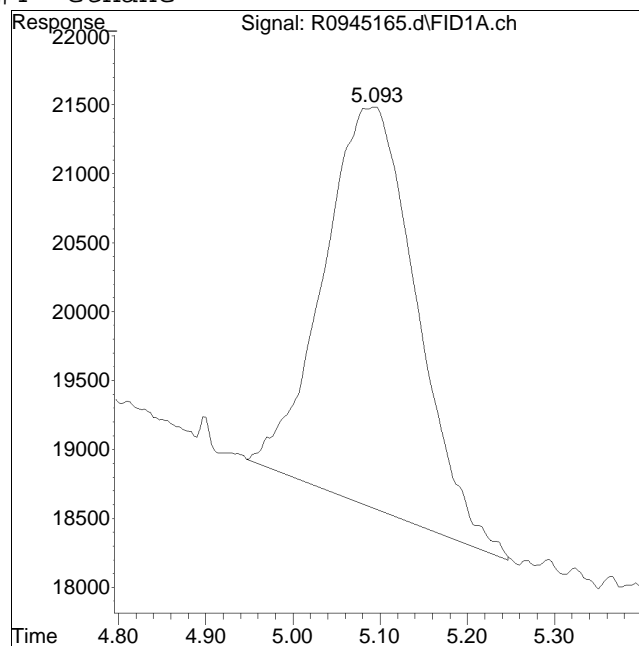
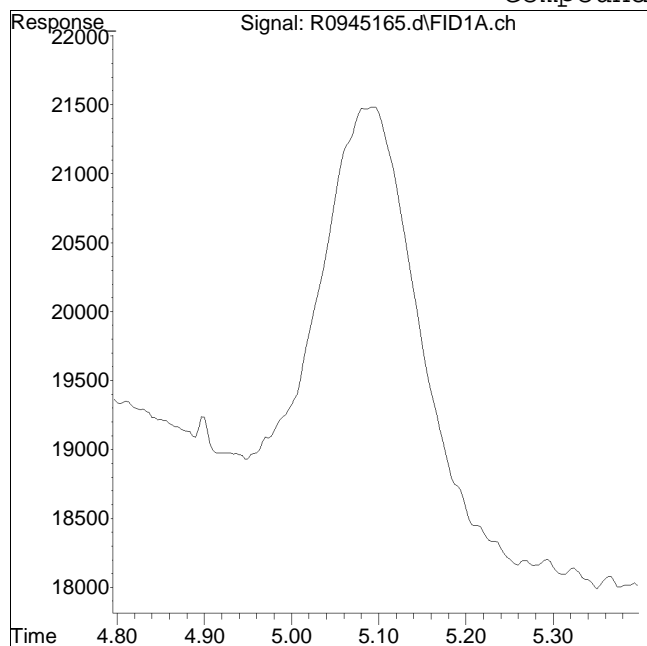
Manual Peak Response = 28276 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945165.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:40 pm Instrument : Airlab9
Sample : L2267729-04,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 216005 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945166.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 12:59 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-05,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:57:30 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.178 | 17829113 | 127.407 | ug/L M4 |
| 2) ethene | 4.112 | 15835 | 0.111 | ug/L M2 |
| 4) ethane | 5.103 | 26617 | 0.169 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

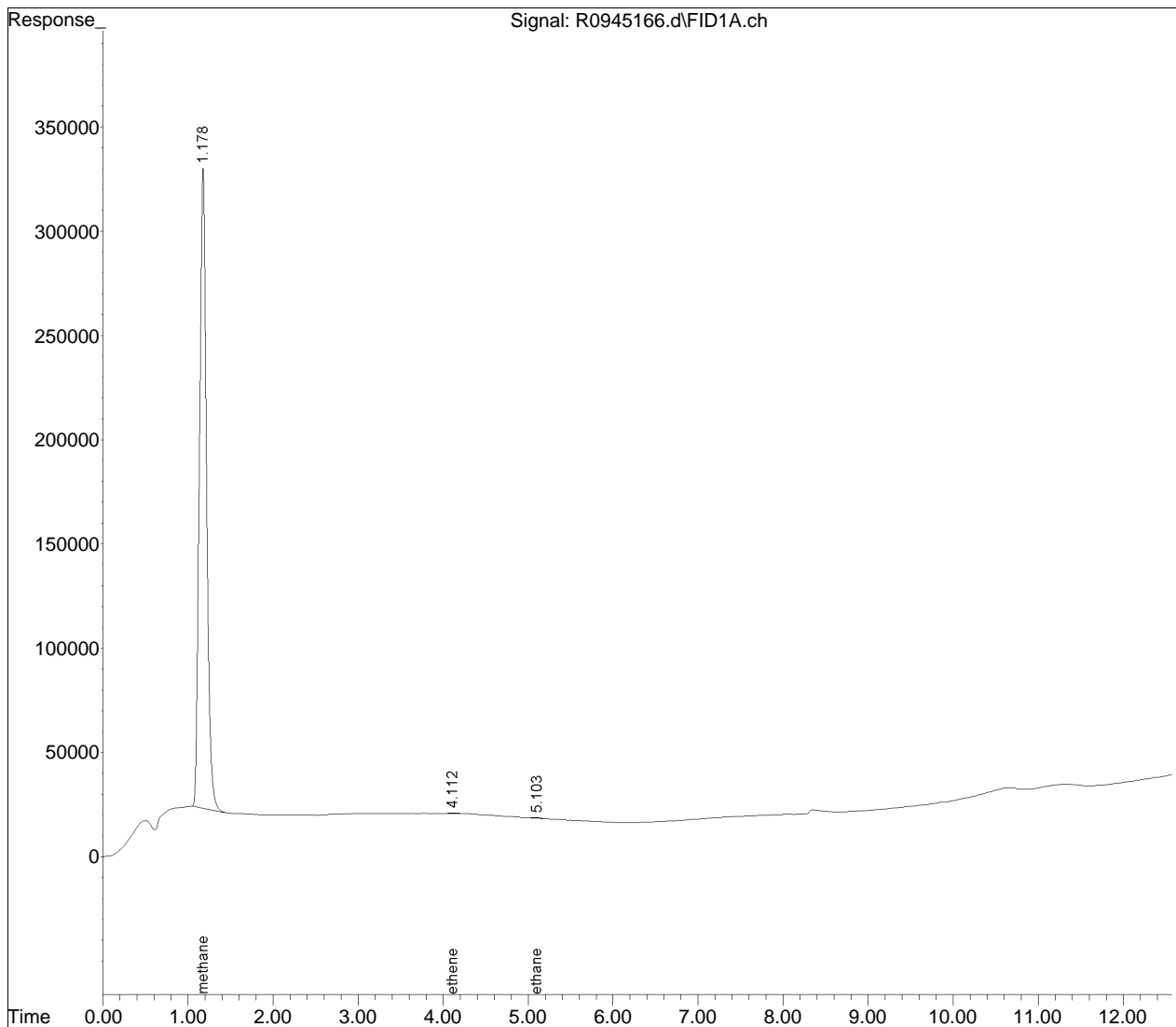
Quantitation Report (QT Reviewed)

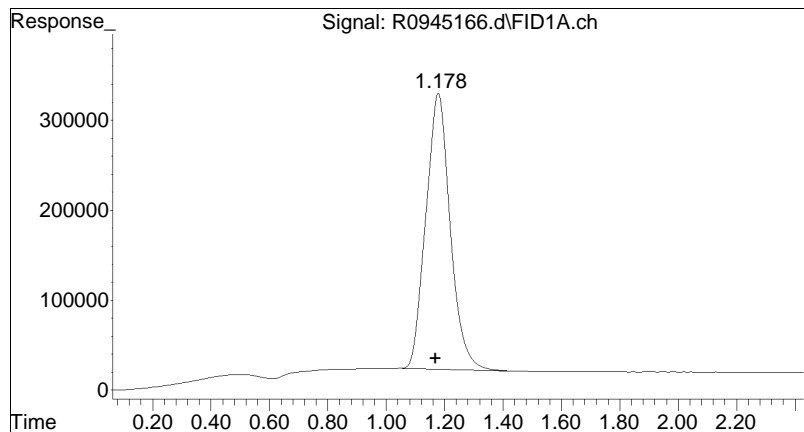
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945166.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 12:59 pm
Operator : AIRLAB9:BJB
Sample : L2267729-05,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:57:30 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

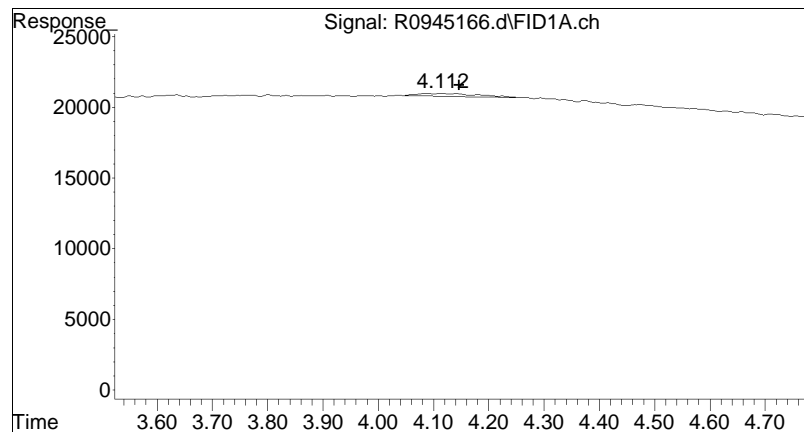
Sub List : MEE - All compounds listed



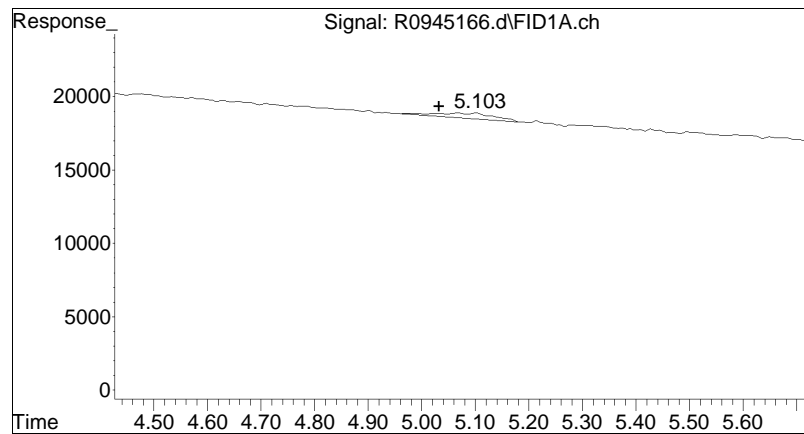


#1 methane

R.T.: 1.178 min
Delta R.T.: 0.008 min
Response: 17829113
Conc: 127.41 ug/L M4



#2 ethene
R.T.: 4.112 min
Delta R.T.: -0.035 min
Response: 15835
Conc: 0.11 ug/L M2



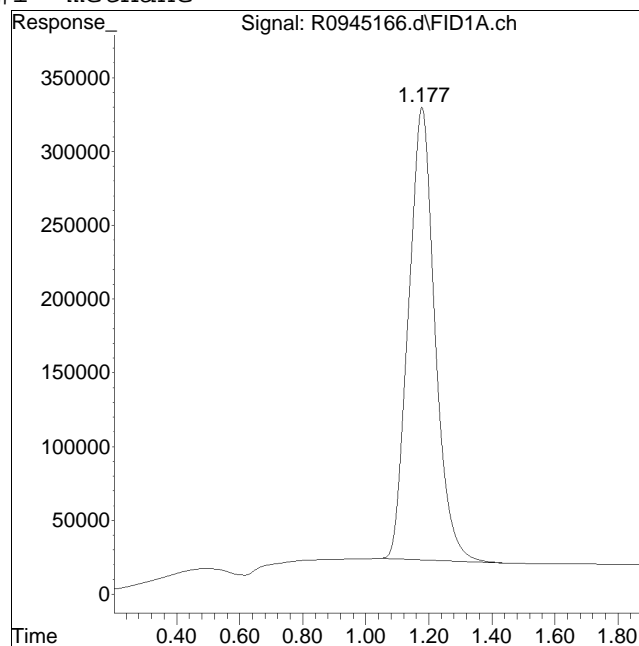
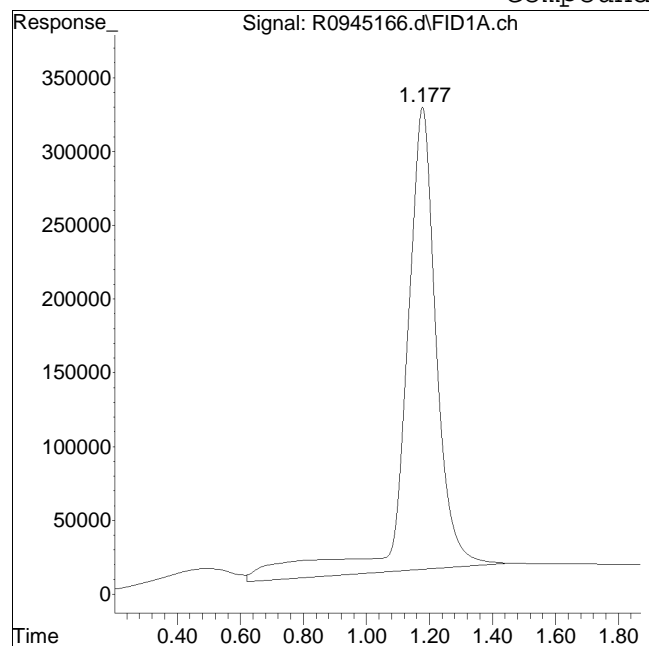
#4 ethane

R.T.: 5.103 min
Delta R.T.: 0.072 min
Response: 26617
Conc: 0.17 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945166.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:59 pm Instrument : Airlab9
Sample : L2267729-05,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 21587075

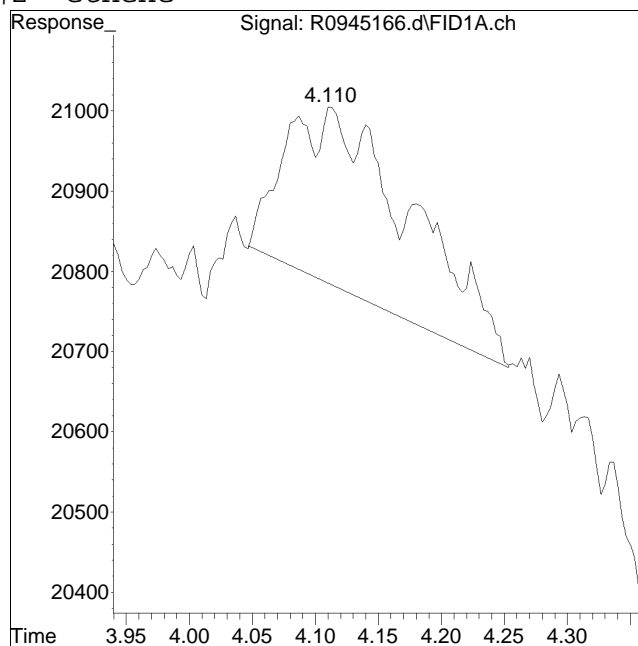
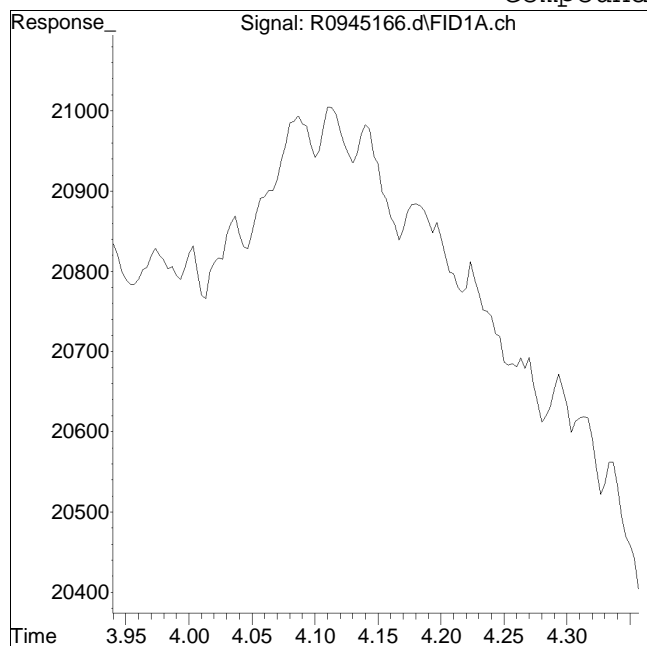
Manual Peak Response = 17829113 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945166.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:59 pm Instrument : Airlab9
Sample : L2267729-05,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

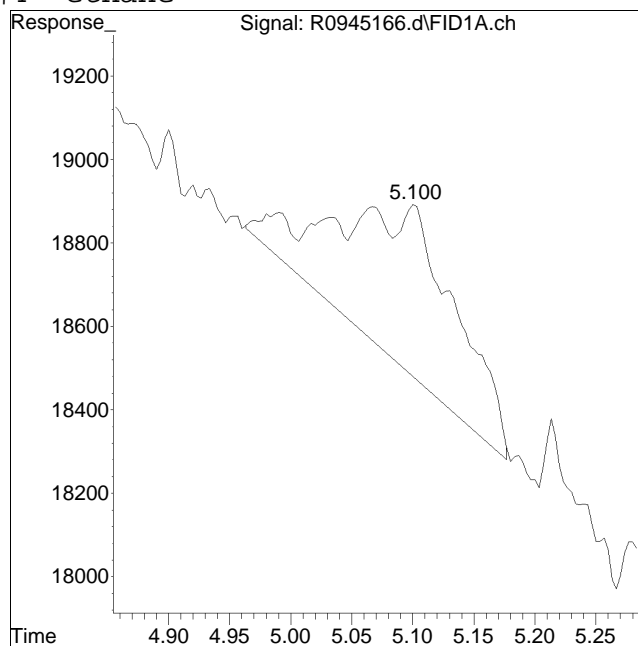
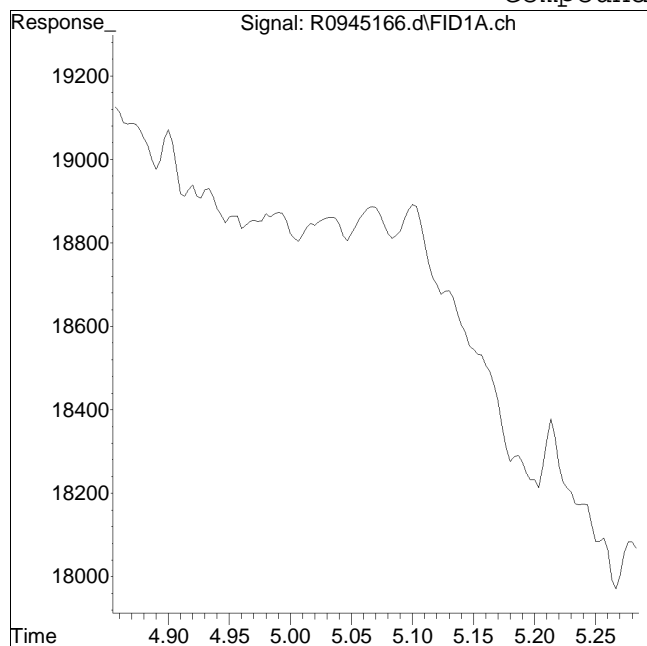
Manual Peak Response = 15835 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945166.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 12:59 pm Instrument : Airlab9
Sample : L2267729-05,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 26617 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945167.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 1:17 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-07,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:57:55 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.175 | 397567283 | 2841.027 | ug/L M4 |
| 2) ethene | 4.220 | 930871 | 6.530 | ug/L M2 |
| 4) ethane | 5.090 | 958557 | 6.090 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

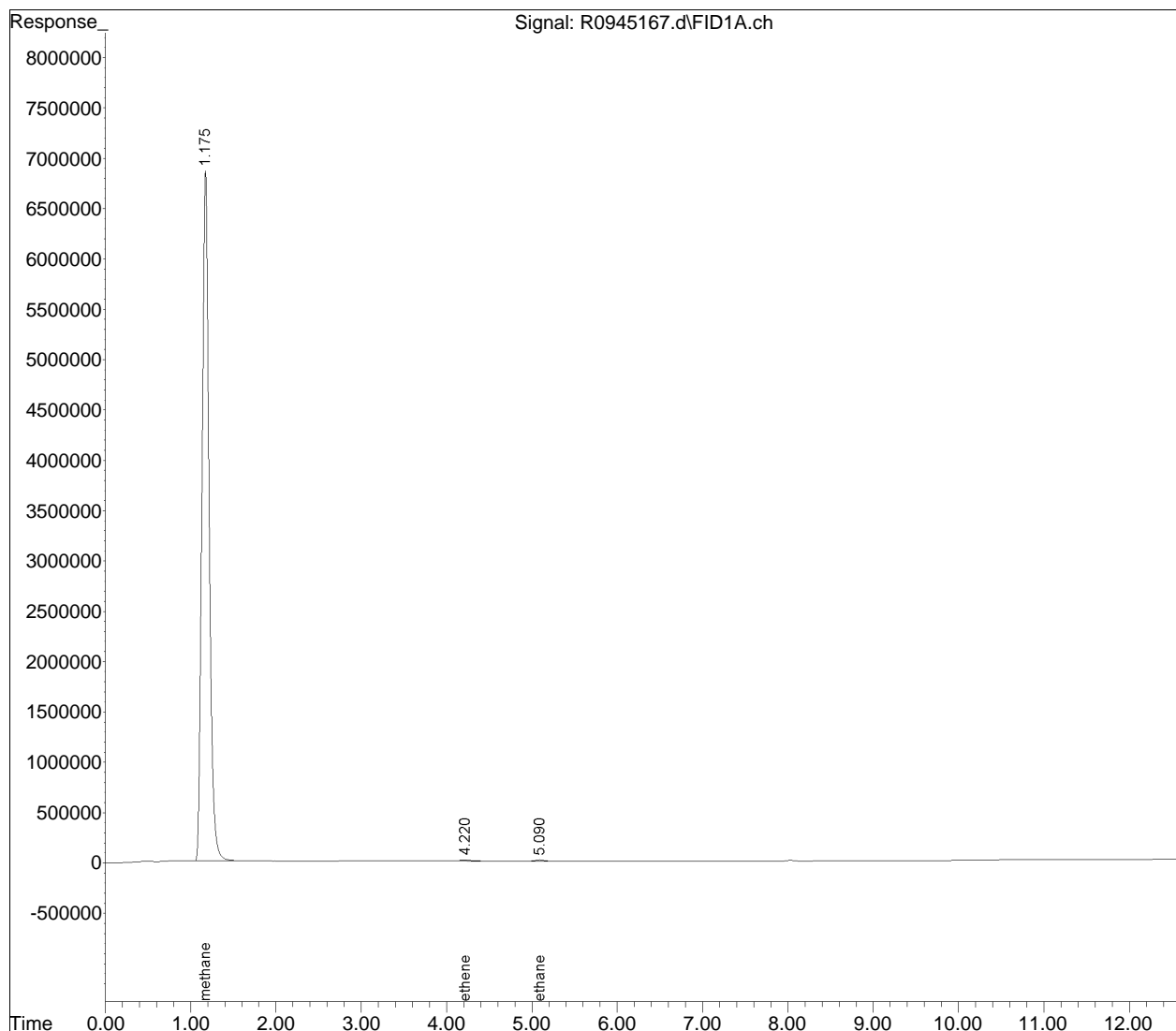
Quantitation Report (QT Reviewed)

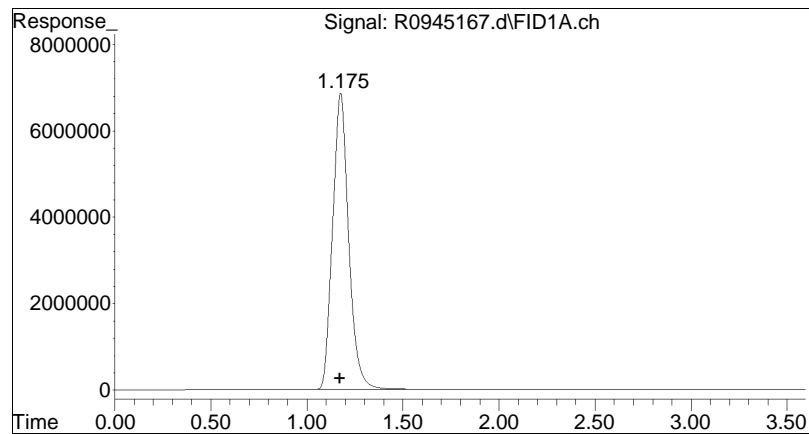
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945167.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 1:17 pm
Operator : AIRLAB9:BJB
Sample : L2267729-07,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:57:55 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

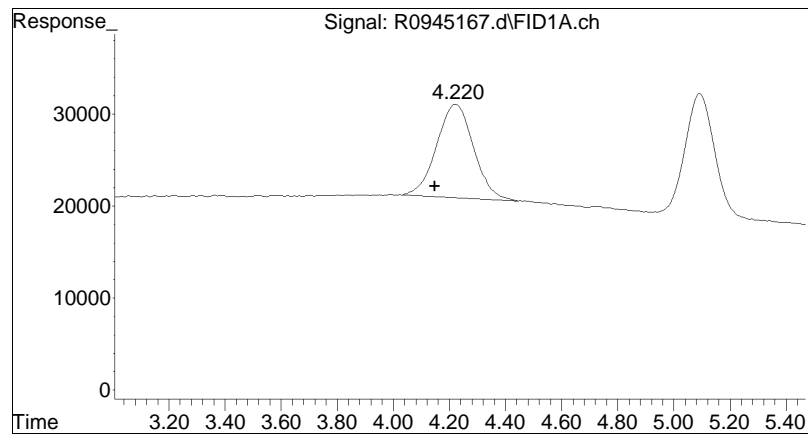
Sub List : MEE - All compounds listed





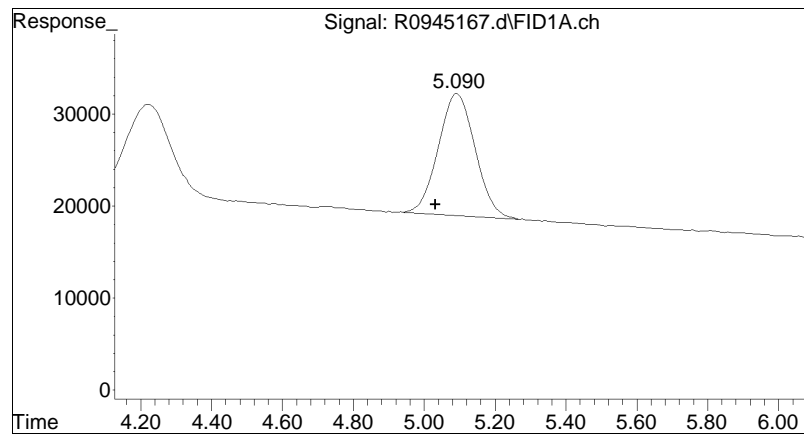
#1 methane

R.T.: 1.175 min
Delta R.T.: 0.005 min
Response: 397567283
Conc: 2841.03 ug/L M4



#2 ethene

R.T.: 4.220 min
Delta R.T.: 0.073 min
Response: 930871
Conc: 6.53 ug/L M2



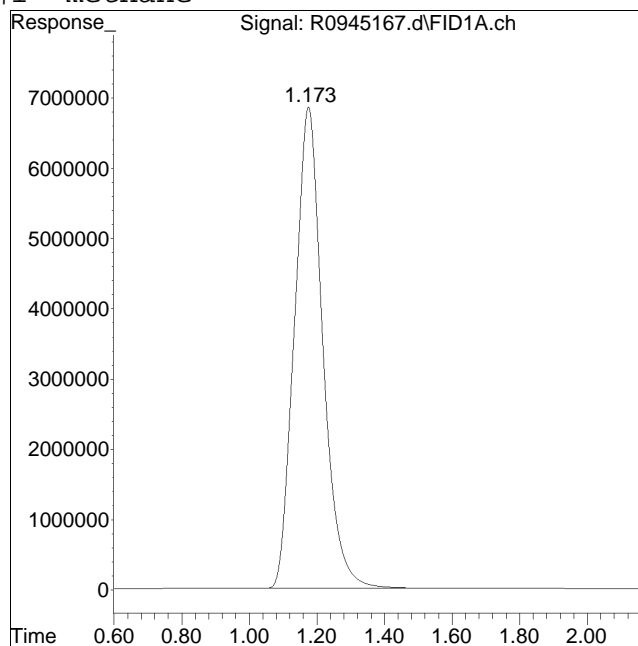
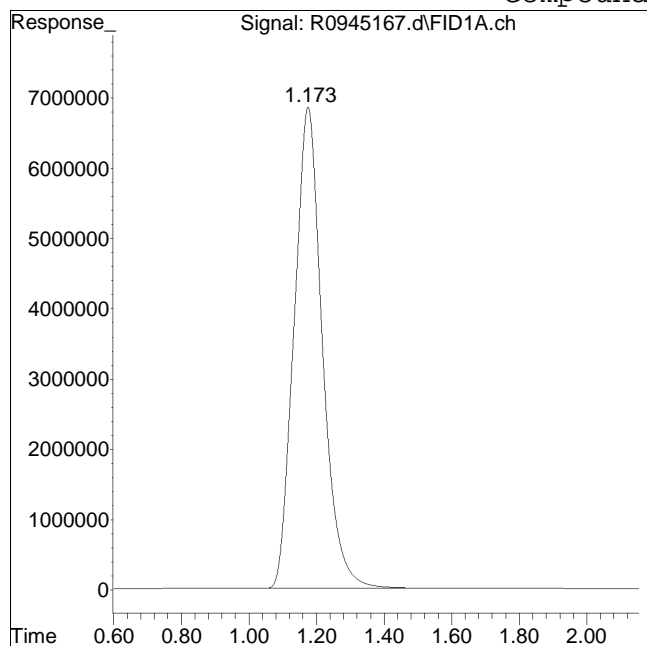
#4 ethane

R.T.: 5.090 min
Delta R.T.: 0.059 min
Response: 958557
Conc: 6.09 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945167.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:17 pm Instrument : Airlab9
Sample : L2267729-07,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 397119855

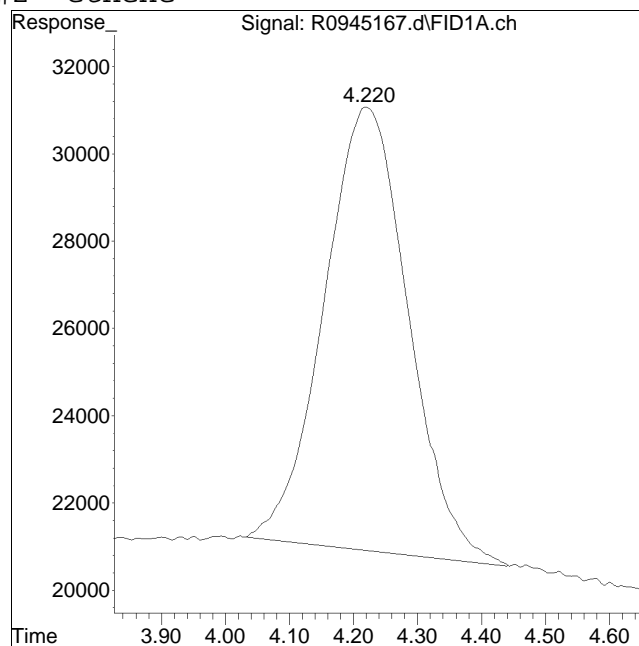
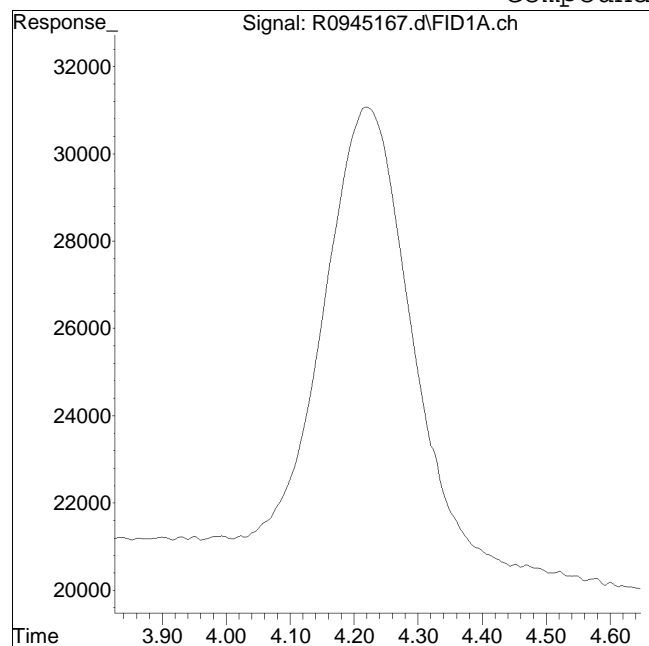
Manual Peak Response = 397567283 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945167.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:17 pm Instrument : Airlab9
Sample : L2267729-07,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 0

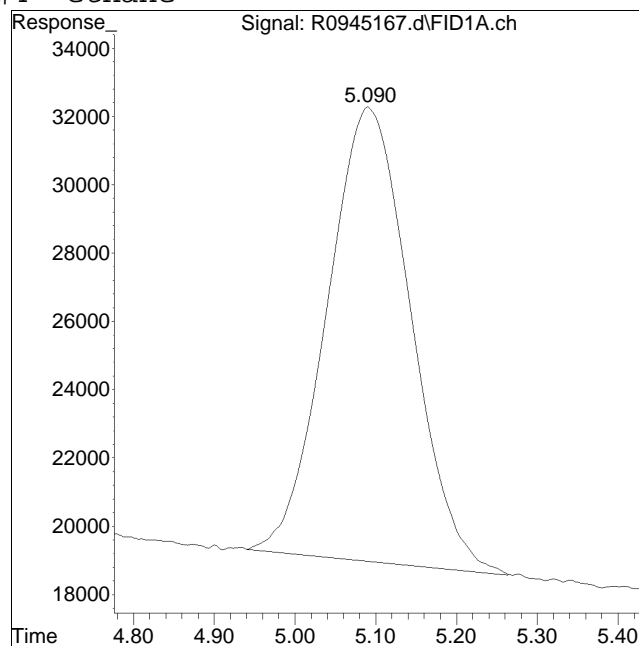
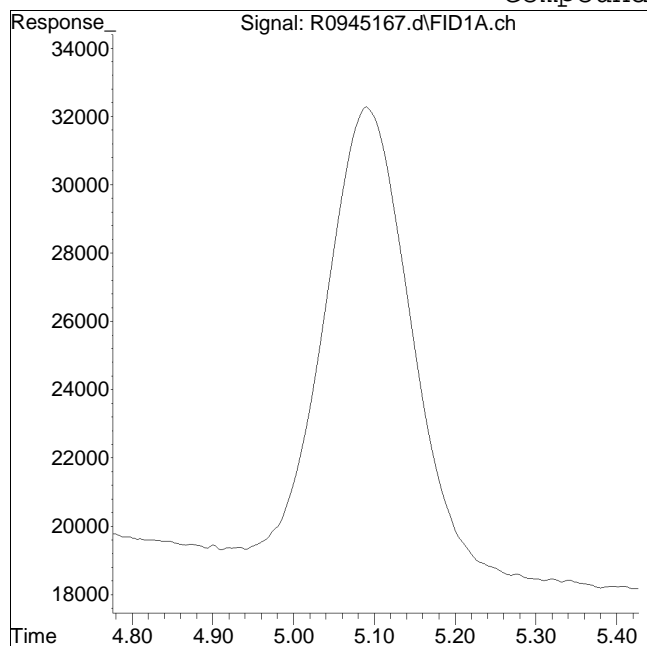
Manual Peak Response = 930871 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945167.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:17 pm Instrument : Airlab9
Sample : L2267729-07,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 0

Manual Peak Response = 958557 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945168.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 1:35 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-08,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:58:25 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.175 | 294397058 | 2103.769 | ug/L M4 |
| 2) ethene | 4.217 | 89954804 | 631.011 | ug/L M4 |
| 4) ethane | 5.092 | 8395593 | 53.336 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

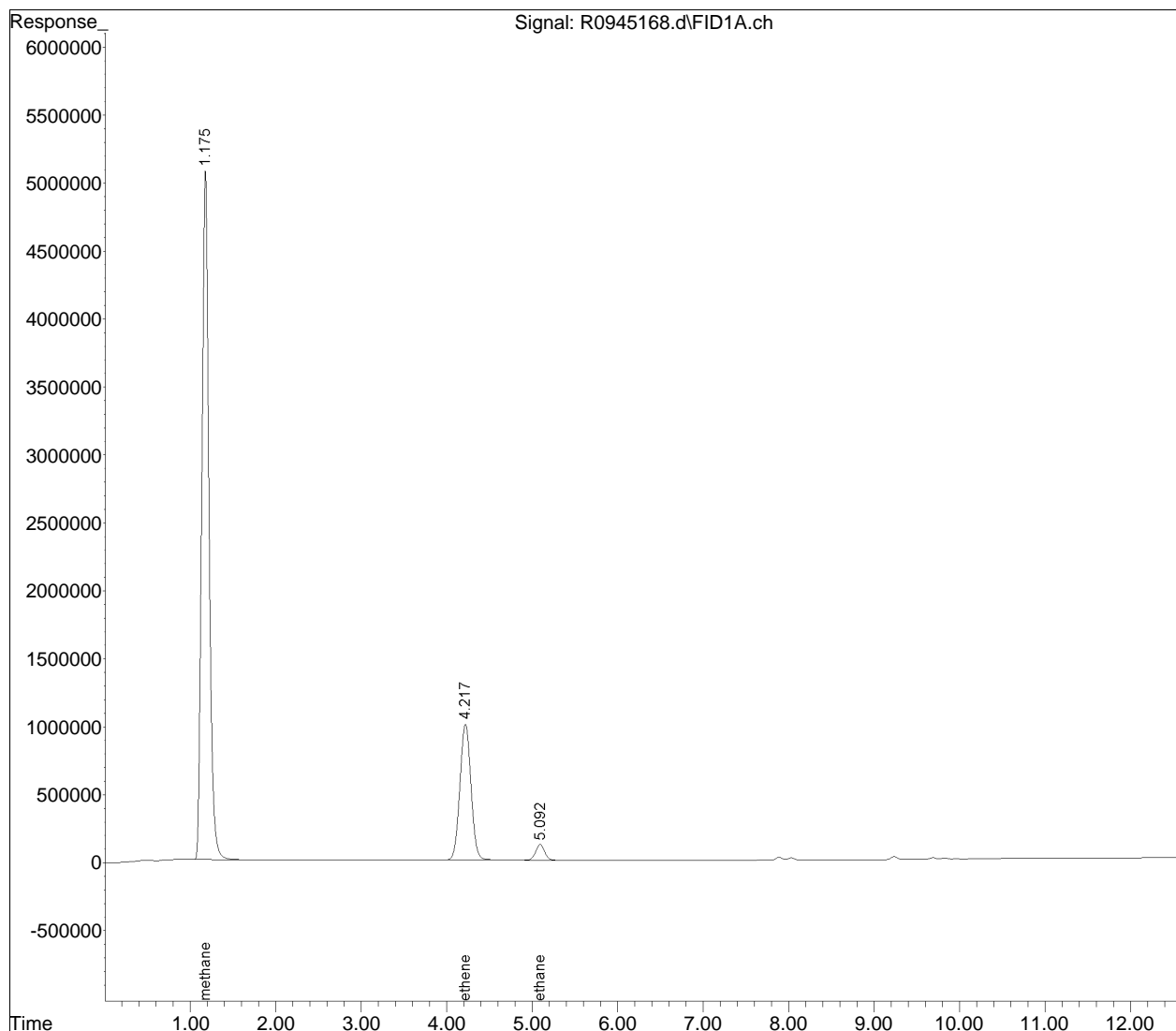
Quantitation Report (QT Reviewed)

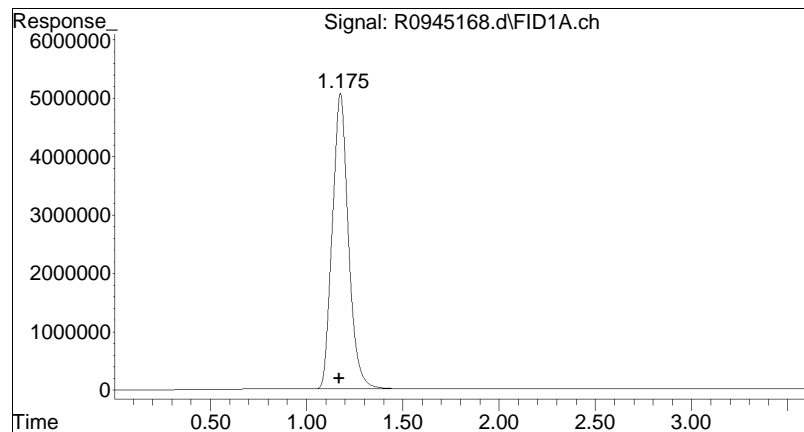
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945168.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 1:35 pm
Operator : AIRLAB9:BJB
Sample : L2267729-08,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:58:25 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

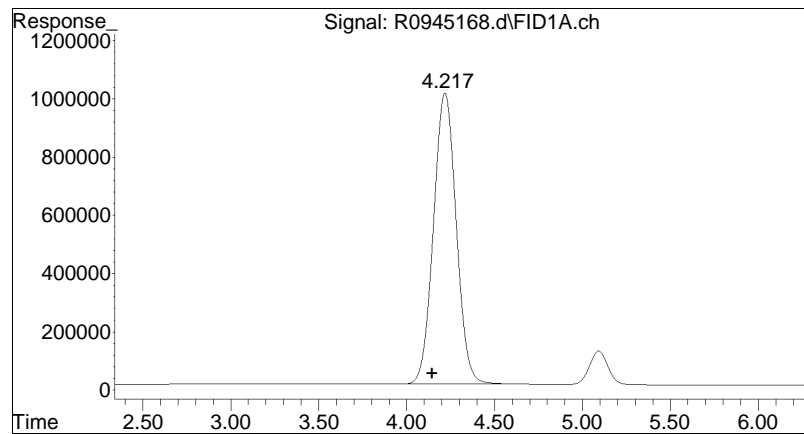
Sub List : MEE - All compounds listed





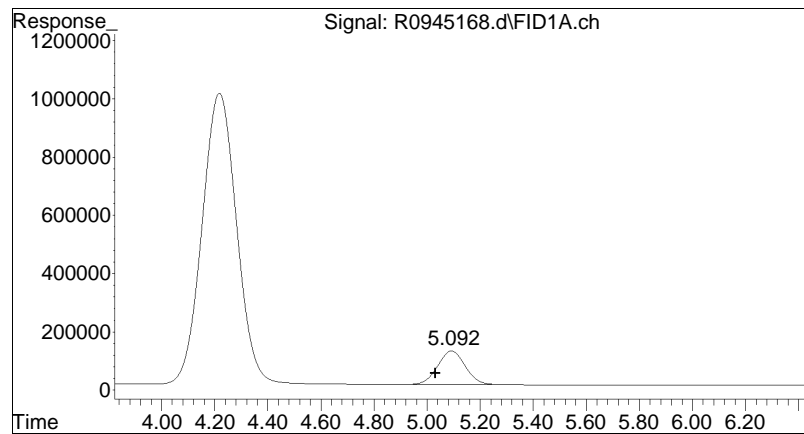
#1 methane

R.T.: 1.175 min
Delta R.T.: 0.005 min
Response: 294397058
Conc: 2103.77 ug/L M4



#2 ethene

R.T.: 4.217 min
Delta R.T.: 0.070 min
Response: 89954804
Conc: 631.01 ug/L M4



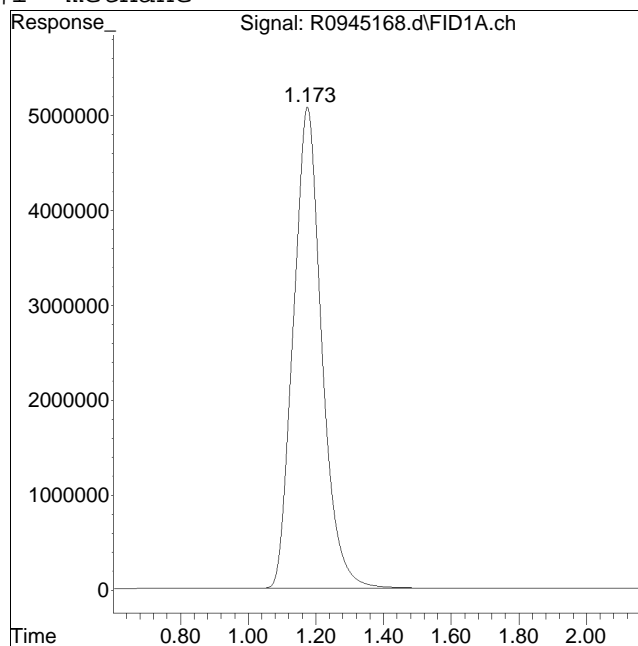
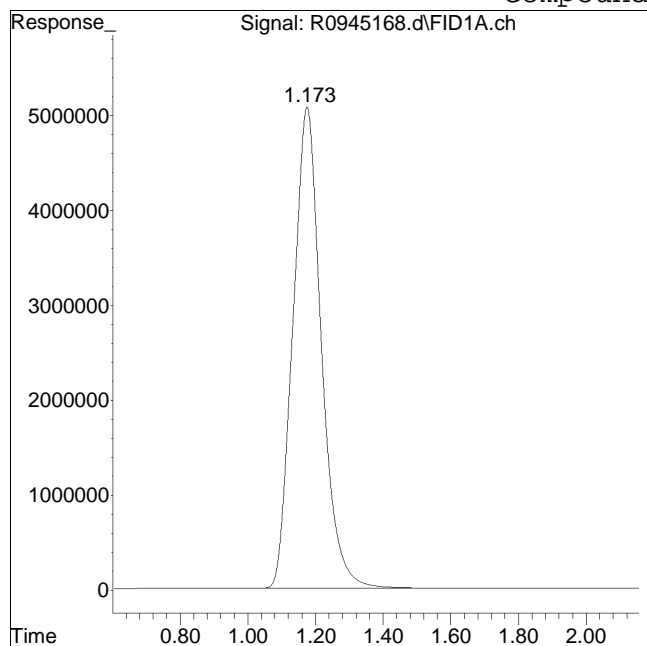
#4 ethane

R.T.: 5.092 min
Delta R.T.: 0.060 min
Response: 8395593
Conc: 53.34 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945168.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:35 pm Instrument : Airlab9
Sample : L2267729-08,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane



Original Peak Response = 294176667

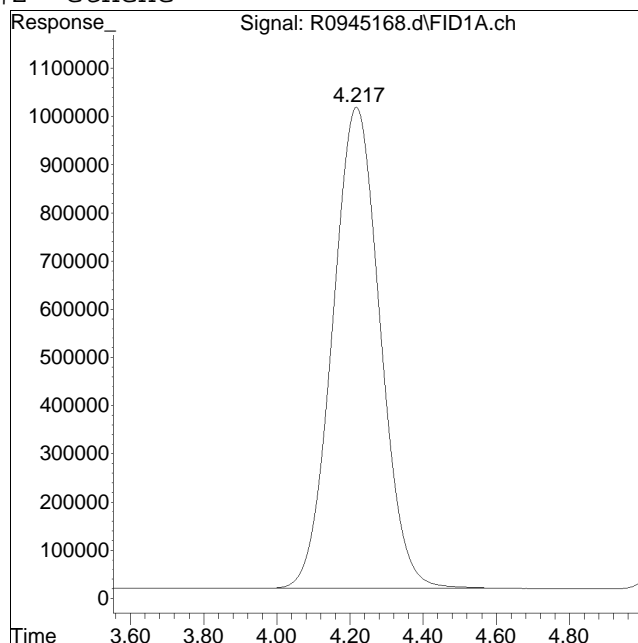
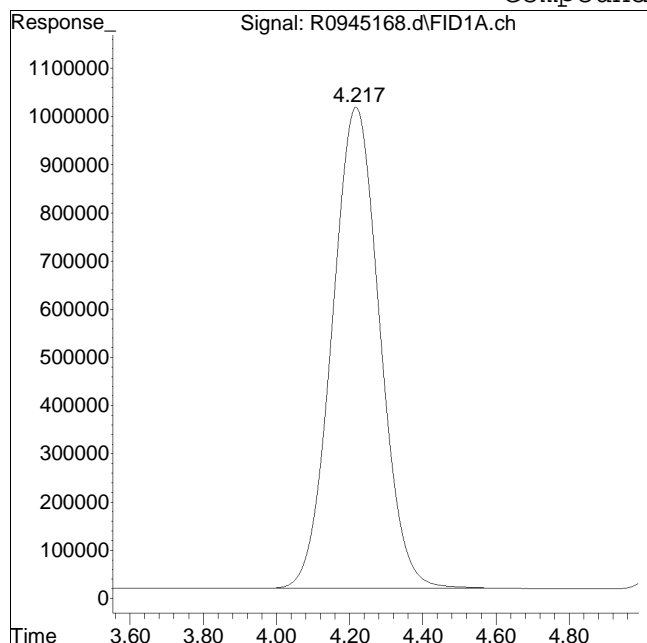
Manual Peak Response = 294397058 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945168.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:35 pm Instrument : Airlab9
Sample : L2267729-08,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 89951798

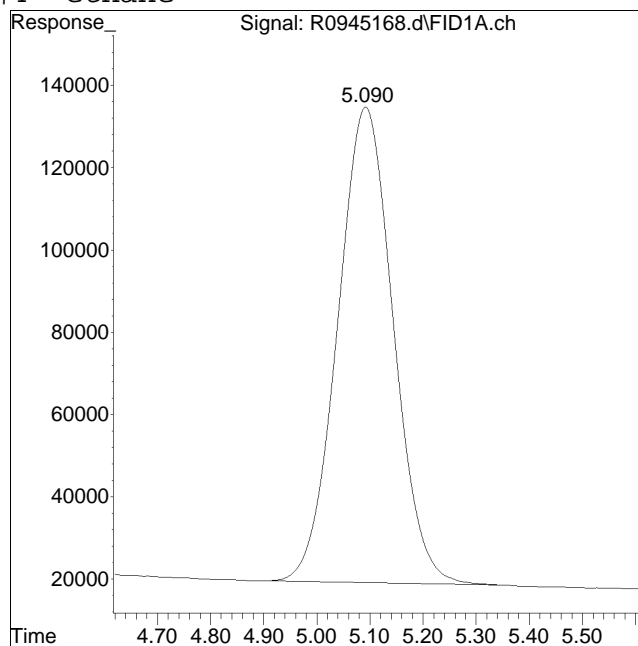
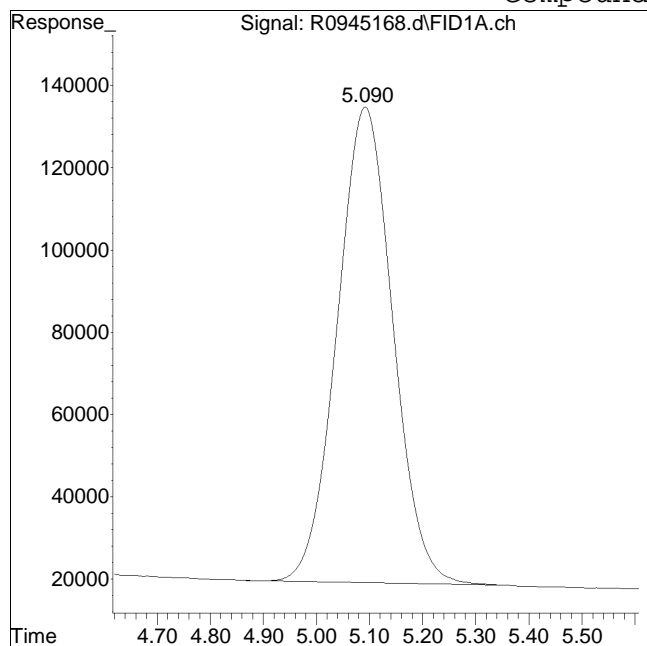
Manual Peak Response = 89954804 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945168.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:35 pm Instrument : Airlab9
Sample : L2267729-08,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 8398968

Manual Peak Response = 8395593 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945169.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 1:53 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-09,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 14:58:54 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|------------|-----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.163 | 1461215803 | 10441.888 | ug/L M4 |
| 2) ethene | 4.229 | 3565577 | 25.012 | ug/L M4 |
| 4) ethane | 5.097 | 4762014 | 30.252 | ug/L M2 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

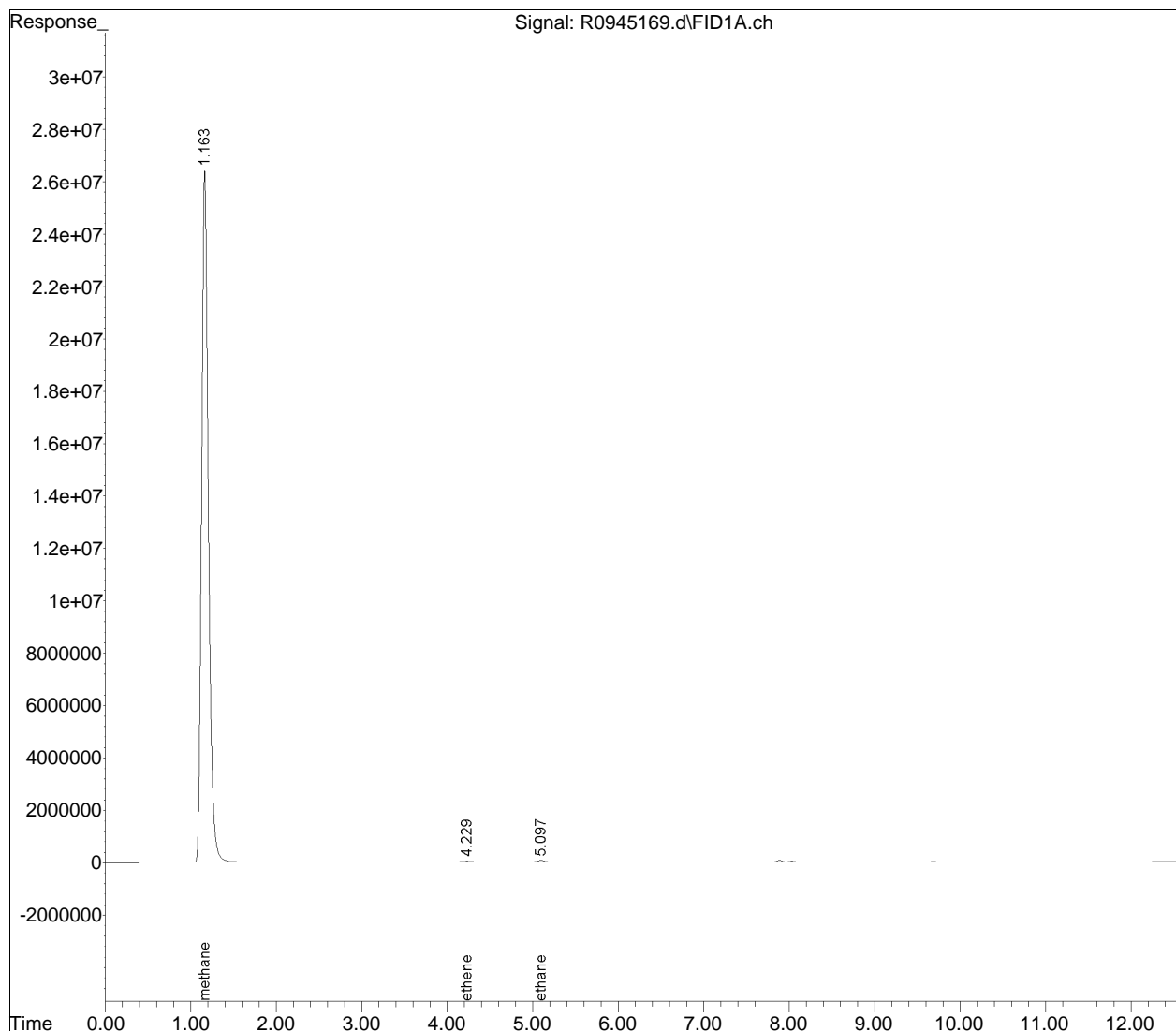
Quantitation Report (QT Reviewed)

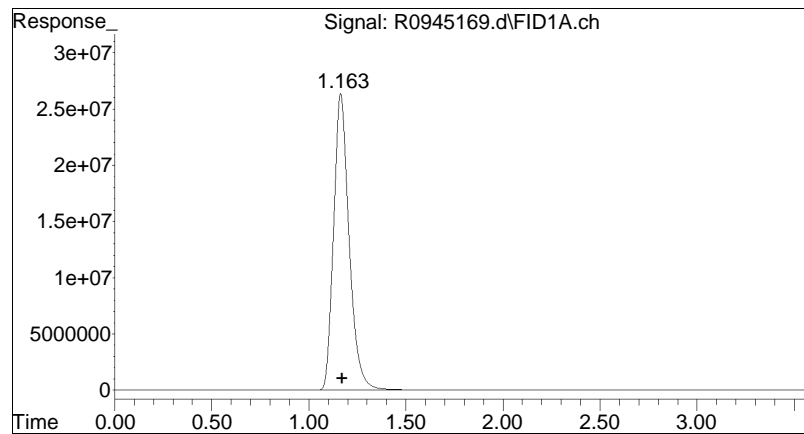
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945169.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 1:53 pm
Operator : AIRLAB9:BJB
Sample : L2267729-09,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 14:58:54 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

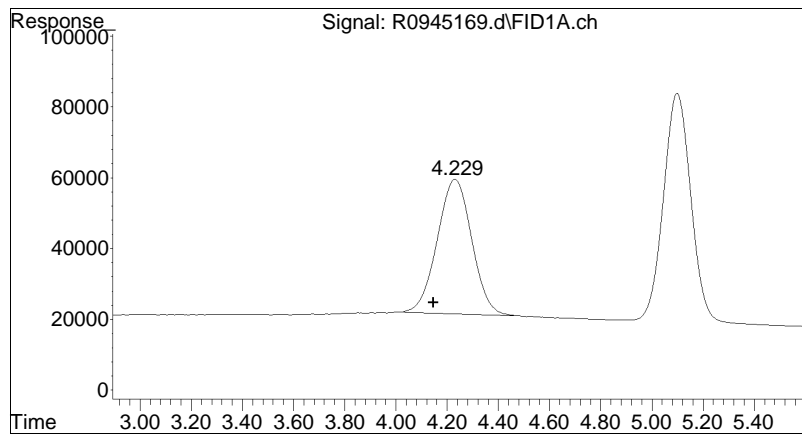
Sub List : MEE - All compounds listed





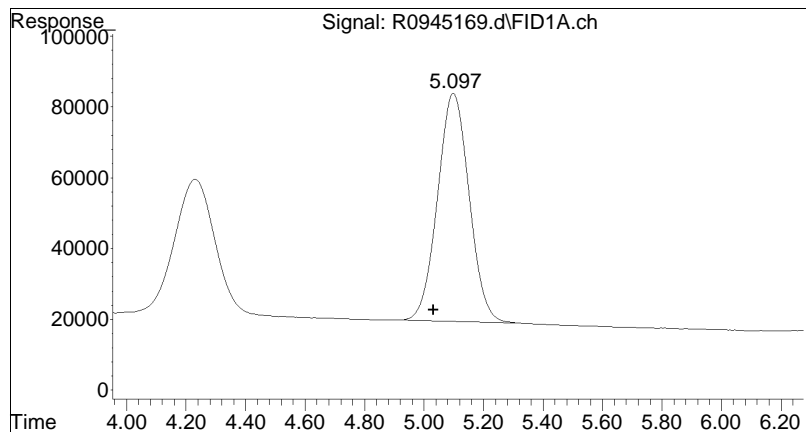
#1 methane

R.T.: 1.163 min
Delta R.T.: -0.007 min
Response: 1461215803
Conc: 10441.89 ug/L M4



#2 ethene

R.T.: 4.229 min
Delta R.T.: 0.083 min
Response: 3565577
Conc: 25.01 ug/L M4



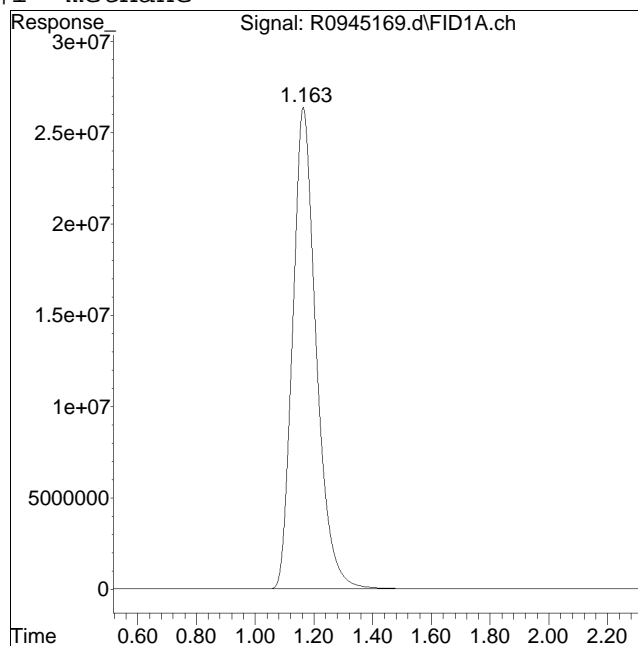
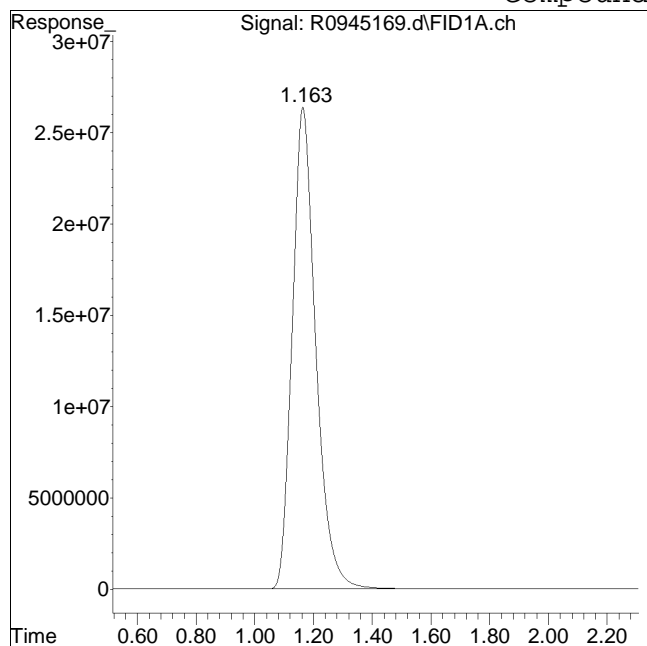
#4 ethane

R.T.: 5.097 min
Delta R.T.: 0.066 min
Response: 4762014
Conc: 30.25 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945169.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:53 pm Instrument : Airlab9
Sample : L2267729-09,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #1: methane

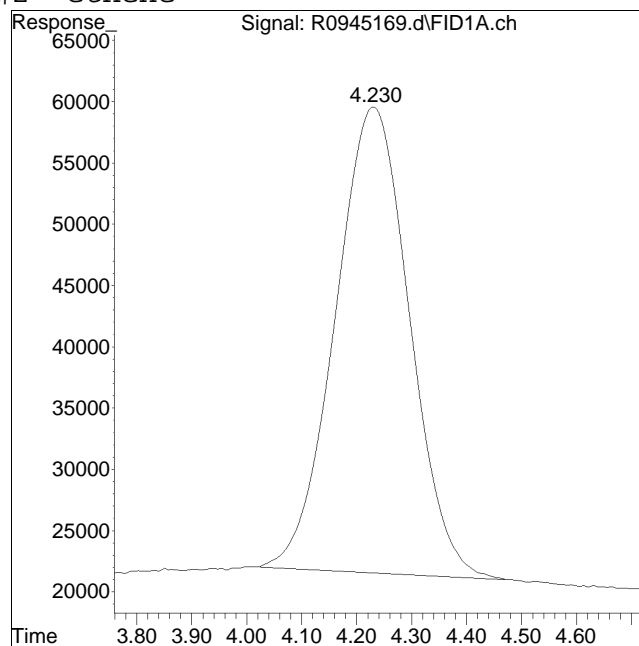
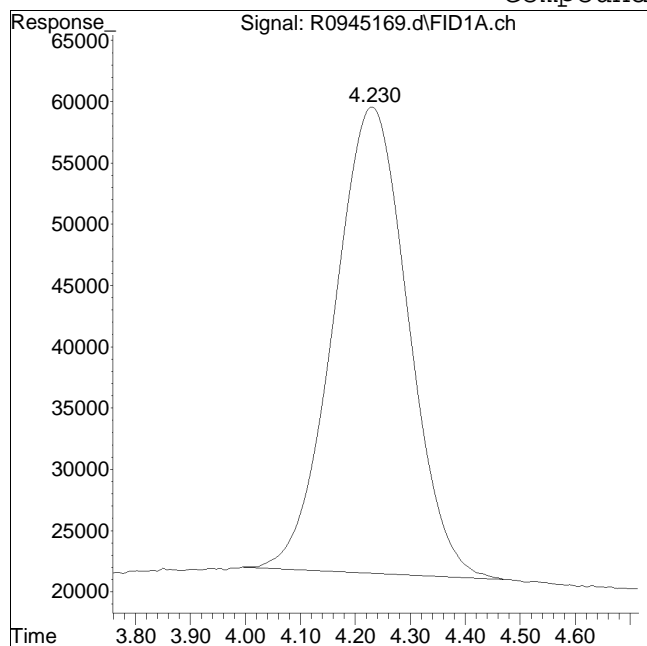


Original Peak Response = 1461591057 Manual Peak Response = 1461215803 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945169.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:53 pm Instrument : Airlab9
Sample : L2267729-09,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #2: ethene



Original Peak Response = 3571147

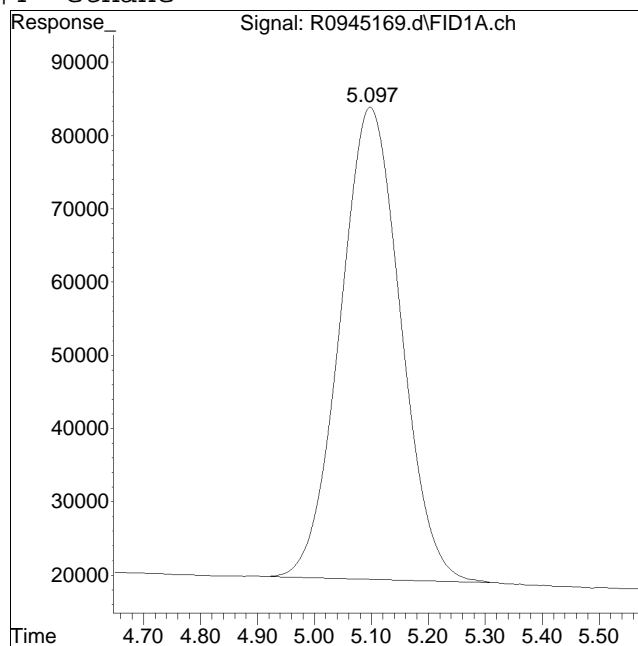
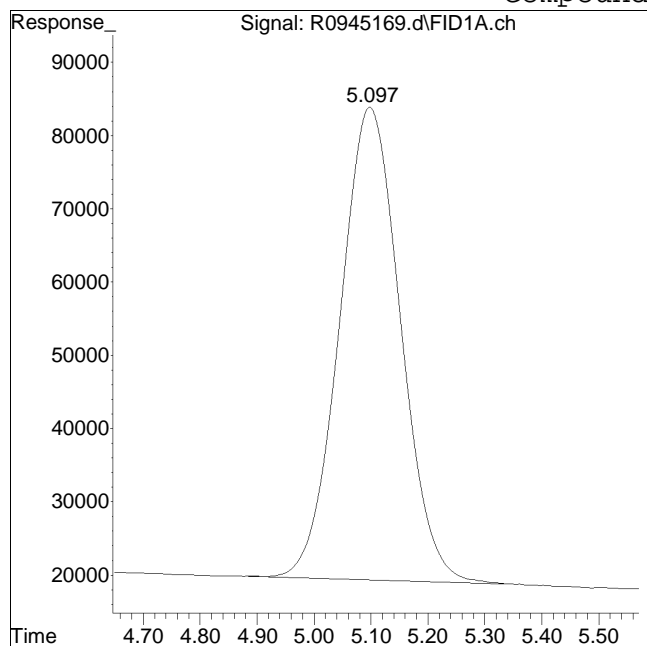
Manual Peak Response = 3565577 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945169.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 1:53 pm Instrument : Airlab9
Sample : L2267729-09,4,0.5,0.5 Quant Date : 12/7/2022 2:45 pm

Compound #4: ethane



Original Peak Response = 4785598

Manual Peak Response = 4762014 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945172.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 3:02 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-02,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 16:08:09 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.182 | 268647 | 1.920 | ug/L M4 |
| 2) ethene | 4.153 | 23010 | 0.161 | ug/L M2 |
| 4) ethane | 0.000 | 0 | N.D. | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

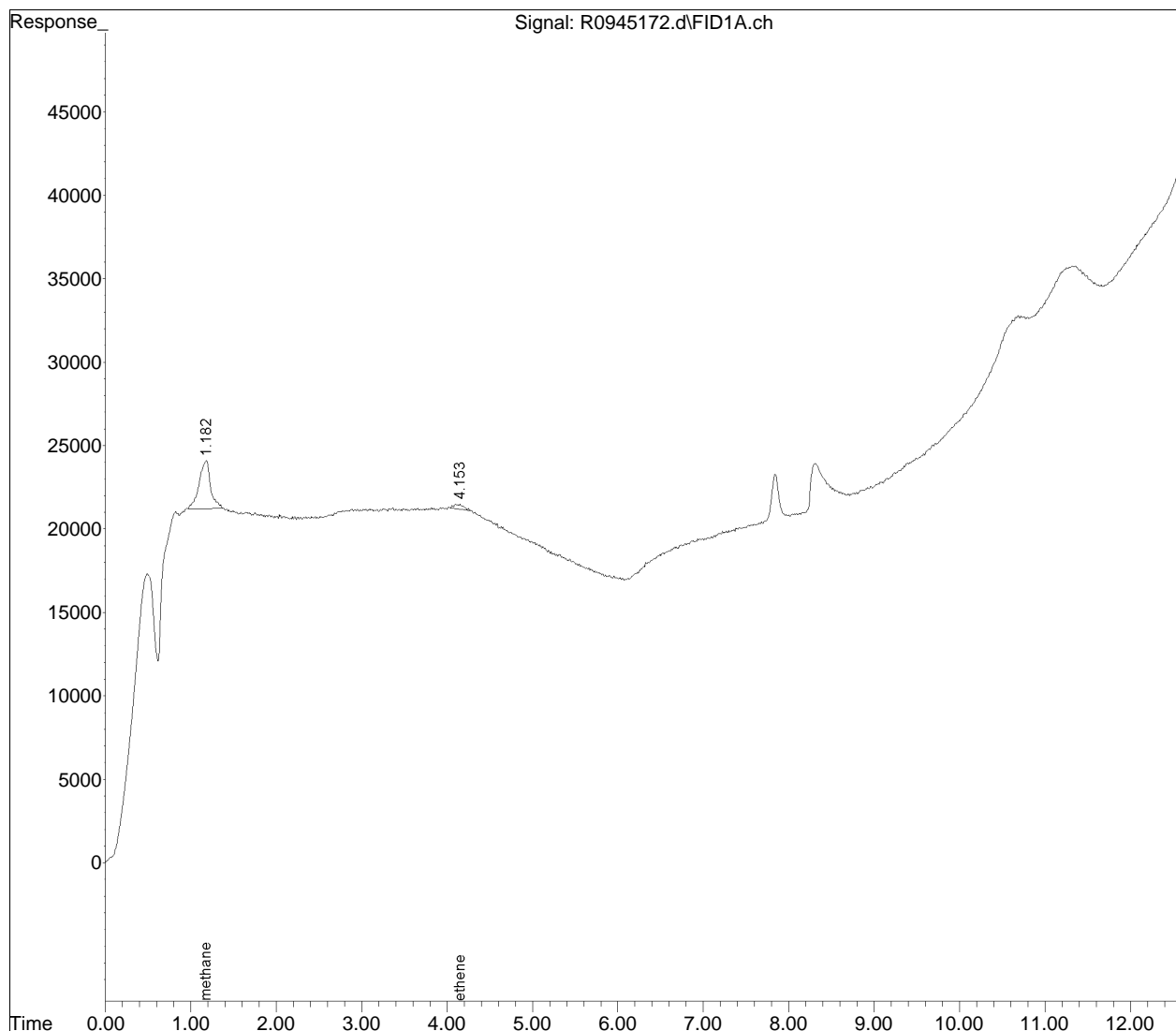
Quantitation Report (QT Reviewed)

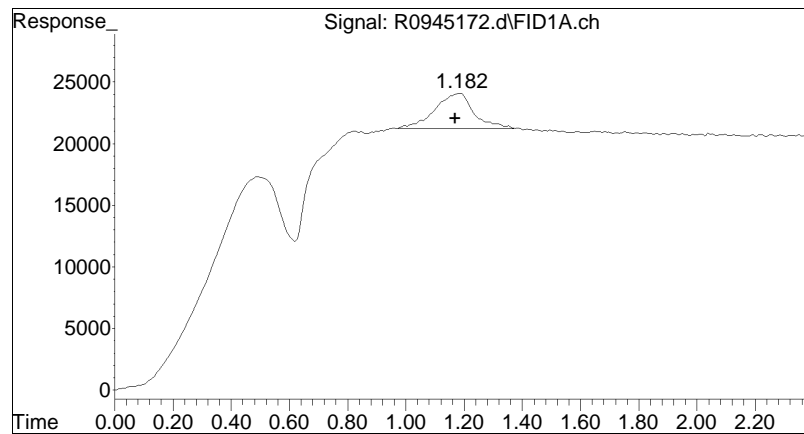
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945172.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 3:02 pm
Operator : AIRLAB9:BJB
Sample : L2267729-02,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 16:08:09 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

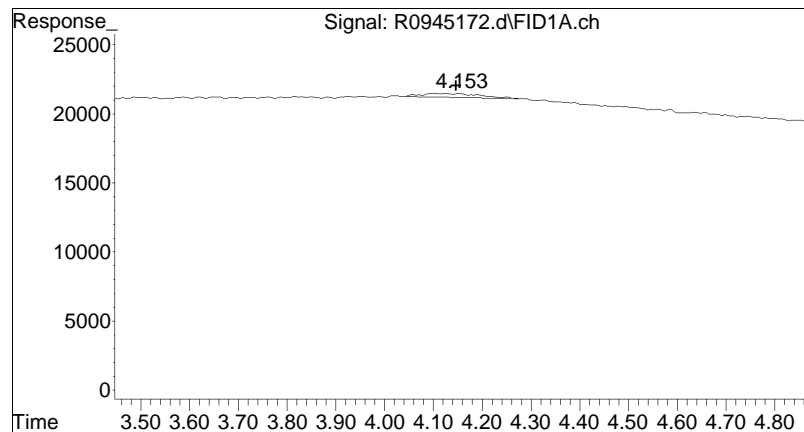
Sub List : MEE - All compounds listed





#1 methane

R.T.: 1.182 min
Delta R.T.: 0.012 min
Response: 268647
Conc: 1.92 ug/L M4



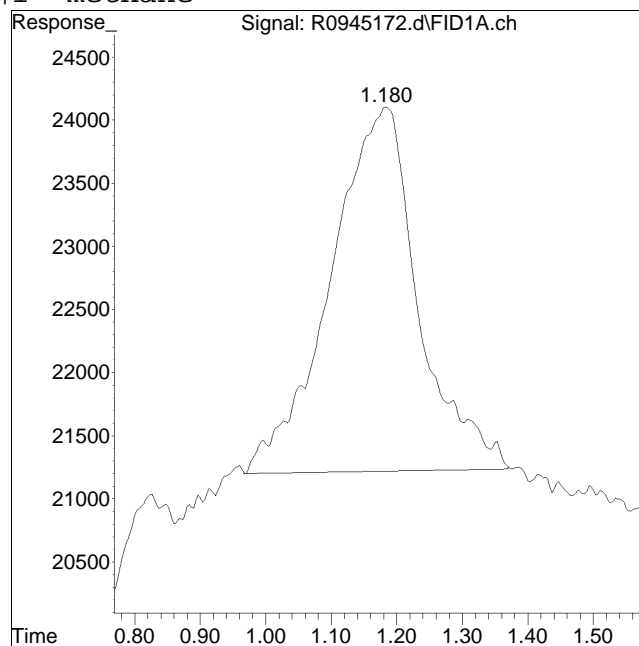
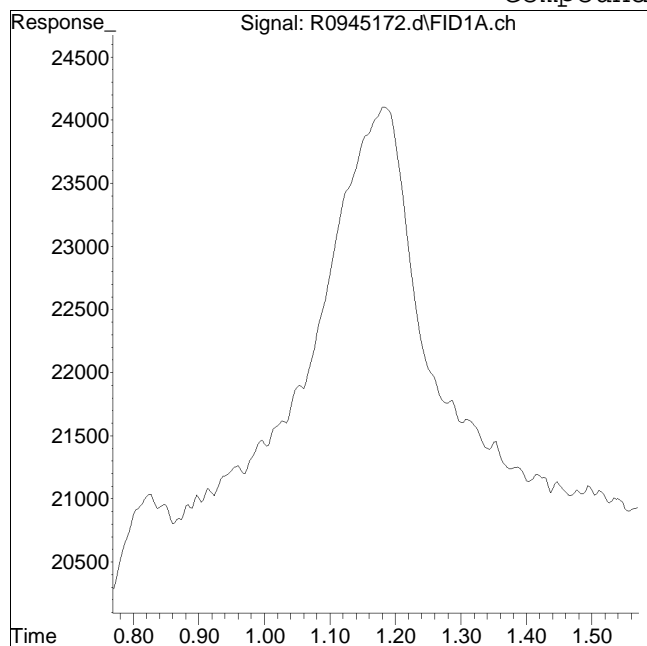
#2 ethene

R.T.: 4.153 min
Delta R.T.: 0.006 min
Response: 23010
Conc: 0.16 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945172.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:02 pm Instrument : Airlab9
Sample : L2267729-02,4,0.5,0.5 Quant Date : 12/7/2022 4:06 pm

Compound #1: methane



Original Peak Response = 0

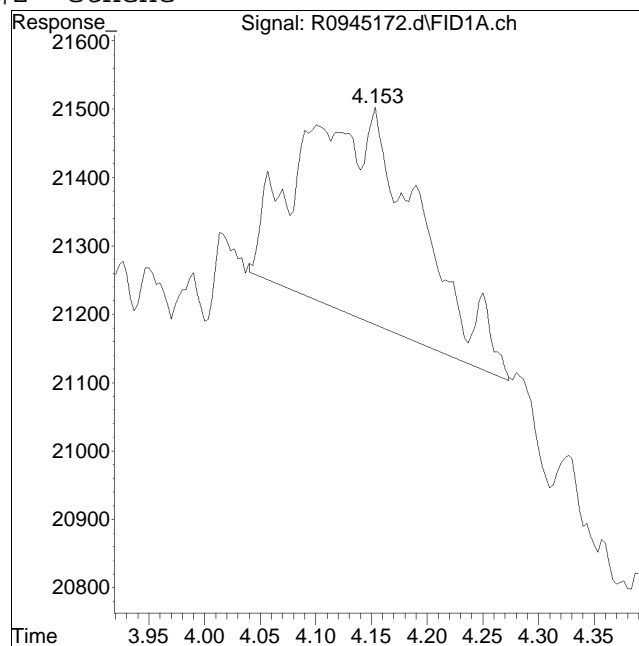
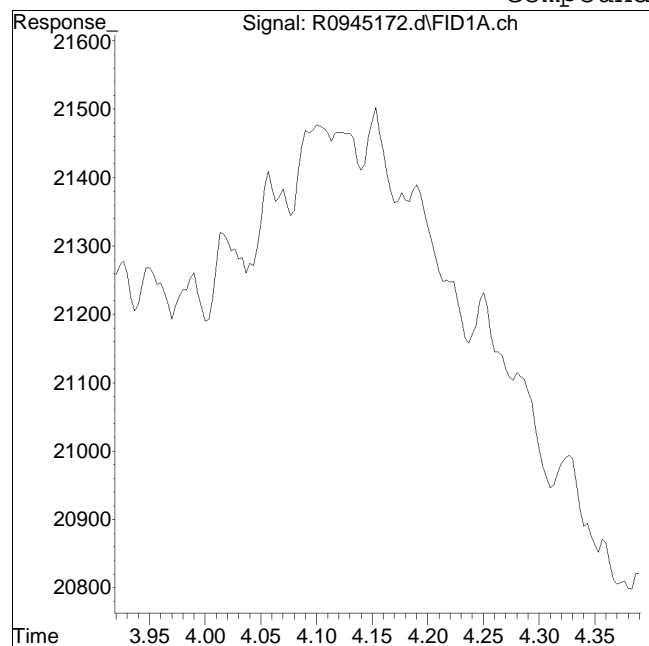
Manual Peak Response = 268647 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945172.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:02 pm Instrument : Airlab9
Sample : L2267729-02,4,0.5,0.5 Quant Date : 12/7/2022 4:06 pm

Compound #2: ethene



Original Peak Response = 0

Manual Peak Response = 23010 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945173.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 3:25 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-10,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 16:06:55 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.185 | 220988 | 1.579 | ug/L M4 |
| 2) ethene | 4.093 | 31761 | 0.223 | ug/L M2 |
| 4) ethane | 0.000 | 0 | N.D. | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

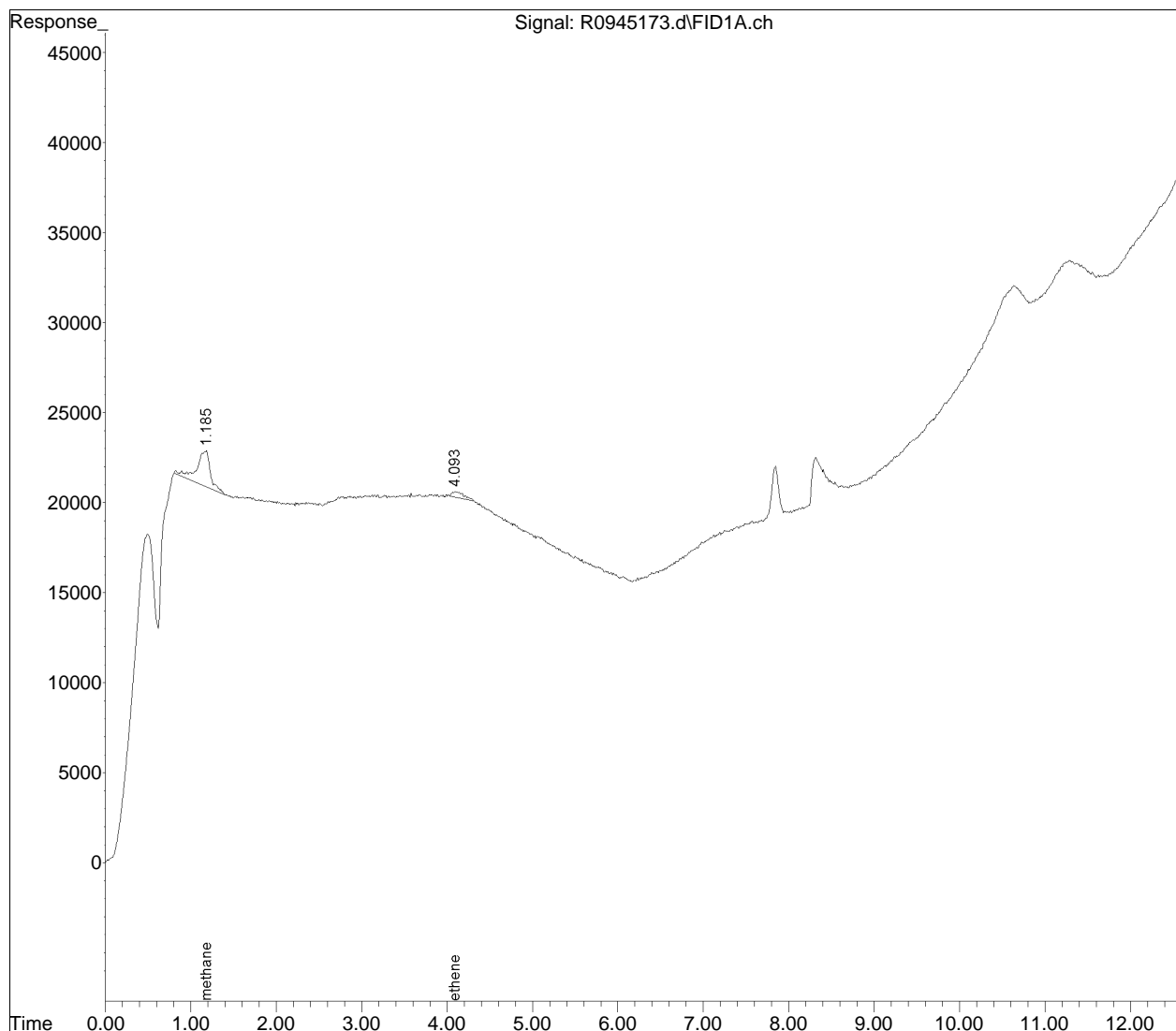
Quantitation Report (QT Reviewed)

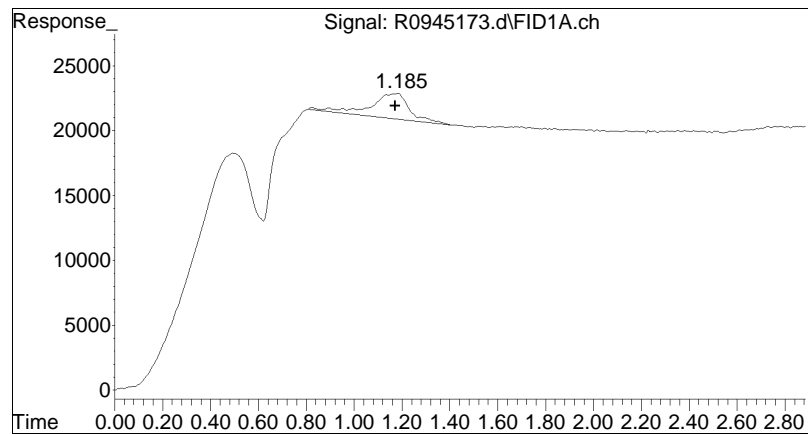
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945173.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 3:25 pm
Operator : AIRLAB9:BJB
Sample : L2267729-10,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 16:06:55 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

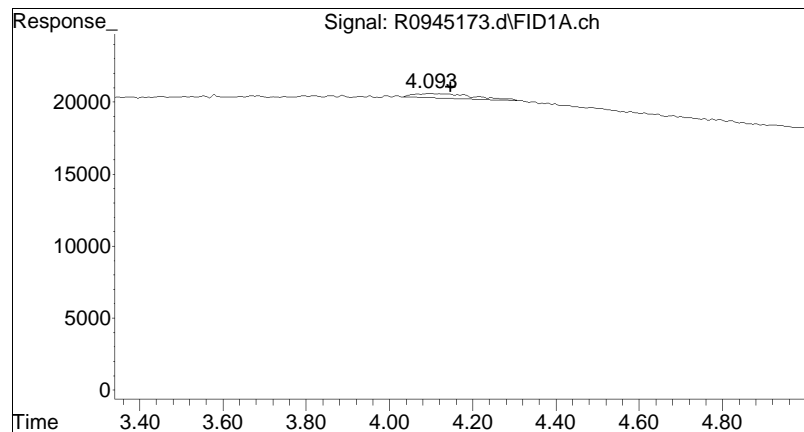
Sub List : MEE - All compounds listed





#1 methane

R.T.: 1.185 min
Delta R.T.: 0.015 min
Response: 220988
Conc: 1.58 ug/L M4



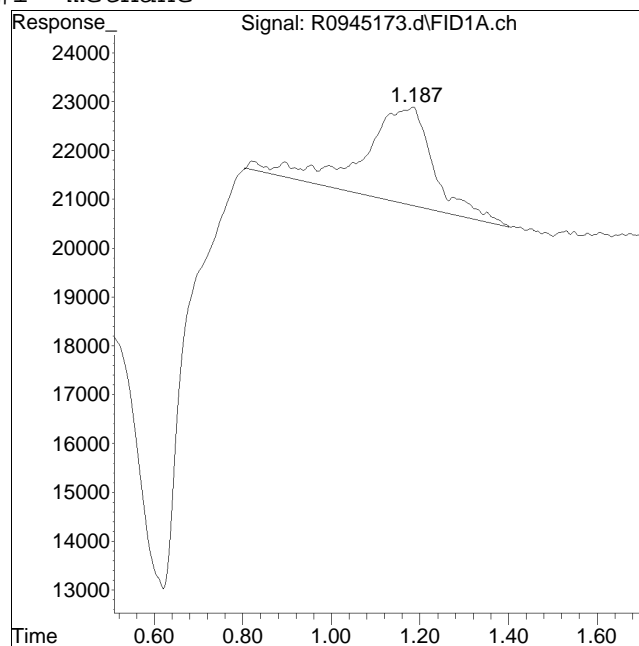
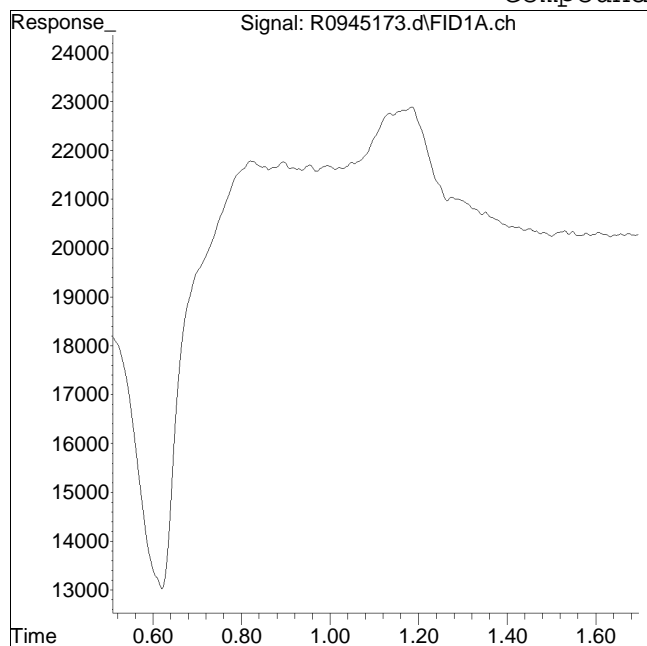
#2 ethene

R.T.: 4.093 min
Delta R.T.: -0.053 min
Response: 31761
Conc: 0.22 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945173.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:25 pm Instrument : Airlab9
Sample : L2267729-10,4,0.5,0.5 Quant Date : 12/7/2022 4:06 pm

Compound #1: methane



Original Peak Response = 0

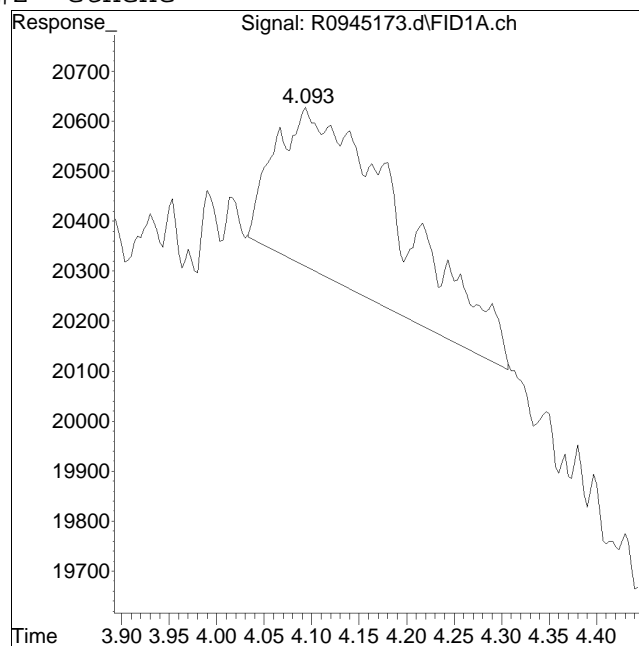
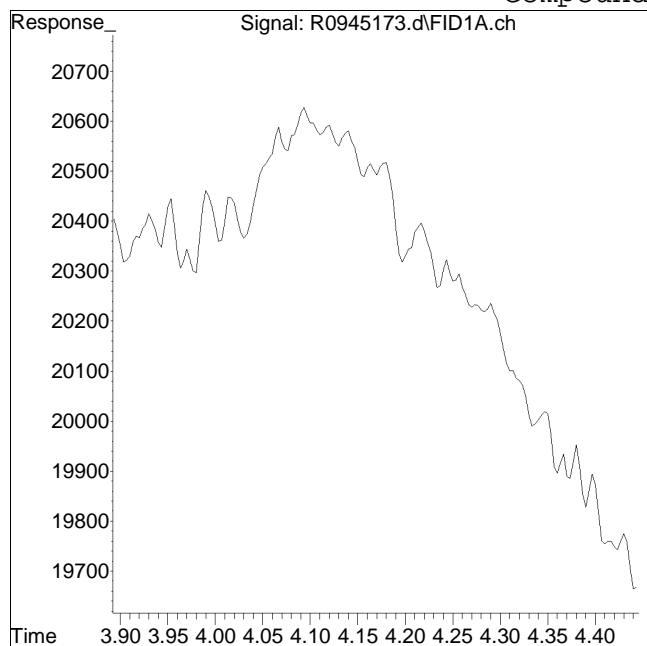
Manual Peak Response = 220988 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945173.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:25 pm Instrument : Airlab9
Sample : L2267729-10,4,0.5,0.5 Quant Date : 12/7/2022 4:06 pm

Compound #2: ethene



Original Peak Response = 0

Manual Peak Response = 31761 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945178.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 5:09 pm
 Operator : AIRLAB9:BJB
 Sample : L2267729-11,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 08 15:23:48 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.190 | 224882 | 1.607 | ug/L M4 |
| 2) ethene | 4.117 | 28977 | 0.203 | ug/L M2 |
| 4) ethane | 0.000 | 0 | N.D. | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

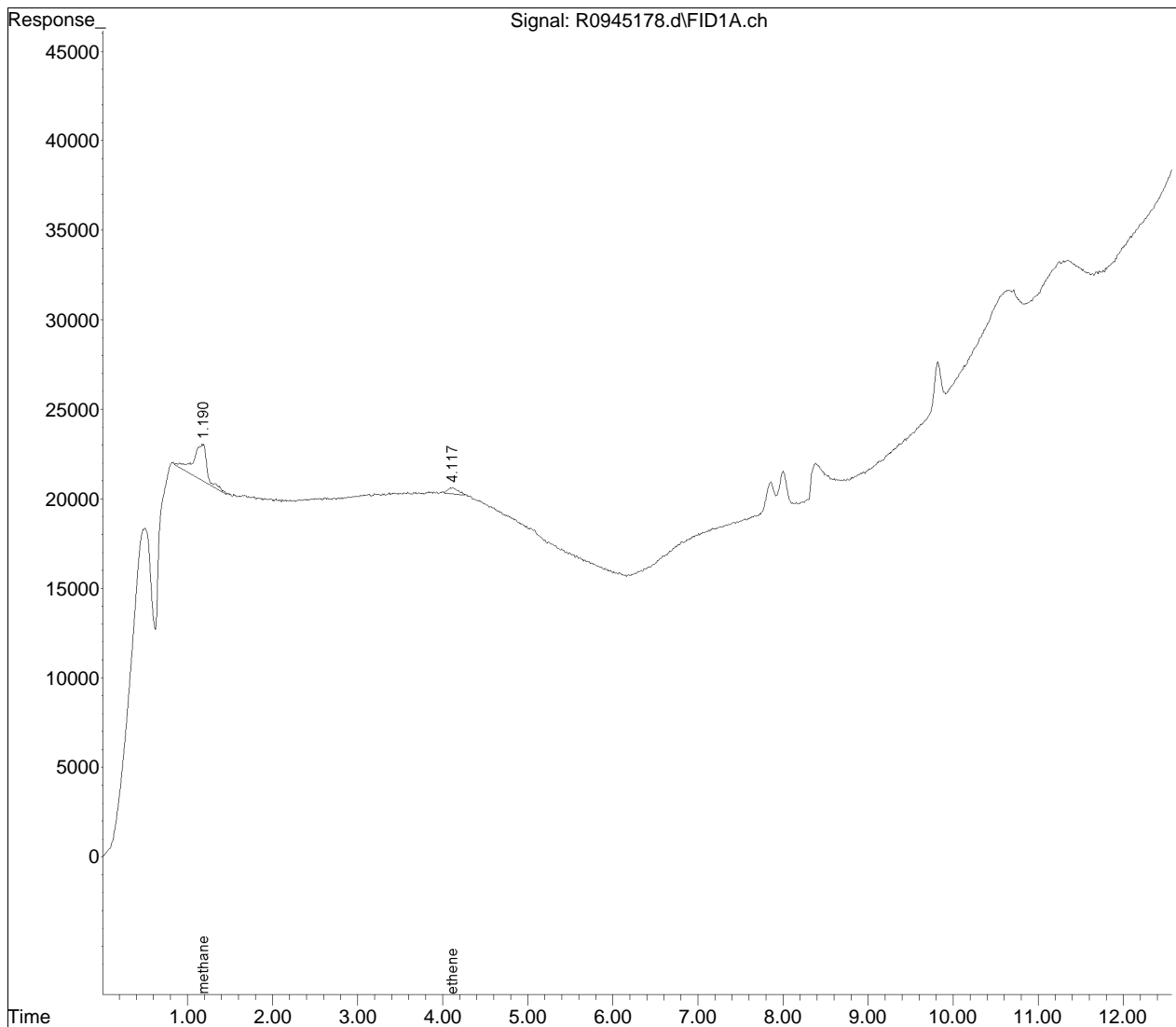
Quantitation Report (QT Reviewed)

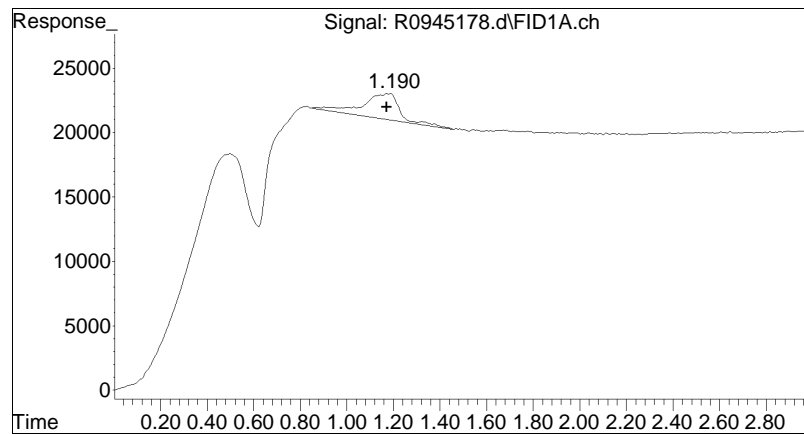
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945178.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 5:09 pm
Operator : AIRLAB9:BJB
Sample : L2267729-11,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 08 15:23:48 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

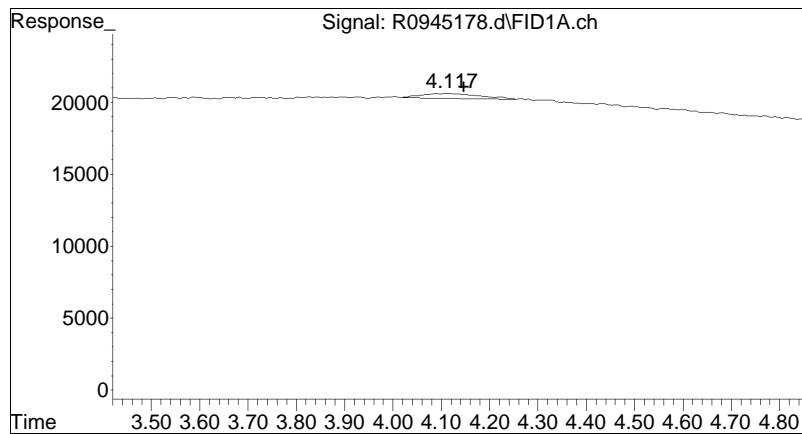
Sub List : MEE - All compounds listed





#1 methane

R.T.: 1.190 min
Delta R.T.: 0.020 min
Response: 224882
Conc: 1.61 ug/L M4



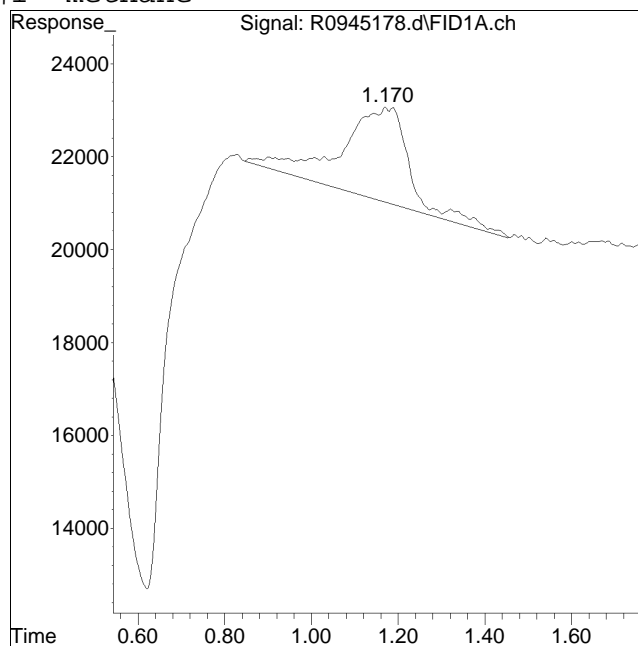
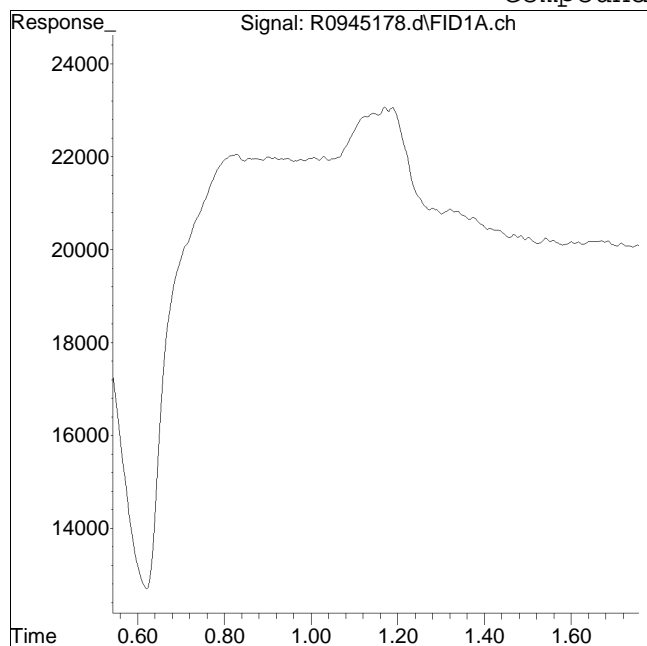
#2 ethene

R.T.: 4.117 min
Delta R.T.: -0.030 min
Response: 28977
Conc: 0.20 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945178.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 5:09 pm Instrument : Airlab9
Sample : L2267729-11,4,0.5,0.5 Quant Date : 12/8/2022 8:02 am

Compound #1: methane



Original Peak Response = 0

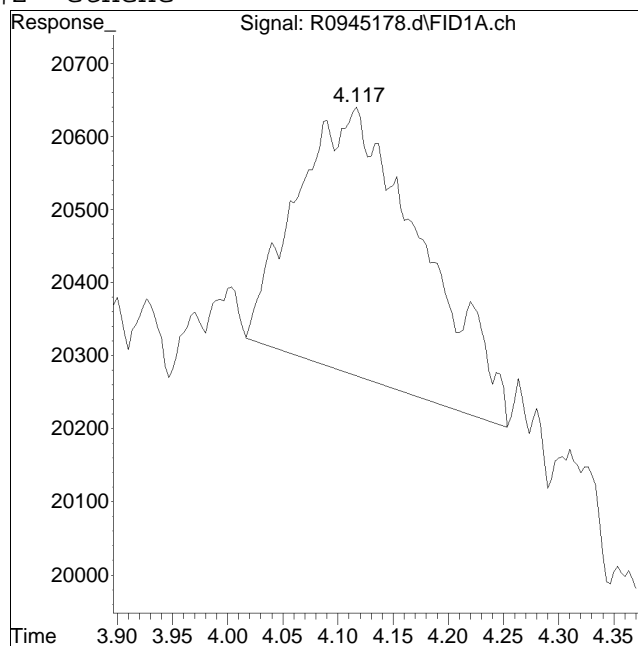
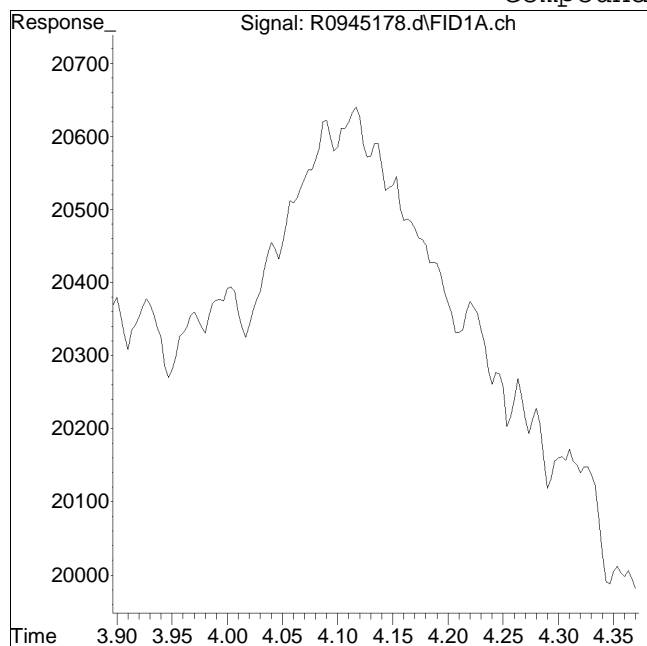
Manual Peak Response = 224882 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945178.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 5:09 pm Instrument : Airlab9
Sample : L2267729-11,4,0.5,0.5 Quant Date : 12/8/2022 8:02 am

Compound #2: ethene



Original Peak Response = 0

Manual Peak Response = 28977 M2

M2 = Peak not found by automatic integration algorithm.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : AIRLAB9
Calibration dates : 05/11/20 15:46 05/11/20 18:04

Lab Number : L2267729
Project Number : 0047.0044Y047
Ical Ref : ICAL16772

Calibration Files

L1 =R0932150.d L2 =R0932151.d L3 =R0932152.d L4 =R0932153.d L5 =R0932154.d L6 =R0932155.d
 L7 =R0932156.d L8Me=R0932157.d

| Compound | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8Me | Avg | %RSD |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1) methane | 1.616 | 1.559 | 1.225 | 1.421 | 1.279 | 1.350 | 1.552 | 1.398 | *LFE5 | 0.9999 |
| 2) ethene | 1.044 | 1.285 | 1.157 | 1.313 | 1.232 | 1.278 | 1.470 | | *LFE5 | 0.9957 |
| 3) acetylene | | 2.377 | 2.256 | 2.872 | 2.677 | 3.021 | | | *LFE4 | 0.9979 |
| 4) ethane | 0.848 | 1.216 | 1.254 | 1.439 | 1.371 | 1.407 | 1.624 | | *LFE5 | 0.9956 |
| 5) propene | 0.892 | 0.949 | 0.992 | 1.099 | 1.121 | 1.156 | 1.303 | | *LFE5 | 0.9969 |
| 6) propane | 1.009 | 1.123 | 1.176 | 1.314 | 1.341 | 1.375 | 1.526 | | *LFE5 | 0.9976 |
| 7) butane | 1.248 | 1.052 | 1.133 | 1.230 | 1.349 | 1.370 | 1.479 | | *LFE5 | 0.9987 |



Response Factor Report Airlab9

Method Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Method File : DG9_200511.M
 Title : Dissolved Gases
 Last Update : Tue May 12 07:13:18 2020
 Response Via : Initial Calibration

Calibration Files

L1 =R0932150.d L2 =R0932151.d L3 =R0932152.d L4 =R0932153.d L5 =R0932154.d L6 =R0932155.d
 L7 =R0932156.d L8Me=R0932157.d

| Compound | L1 | L2 | L3 | L4 | L5 | L6 | L7 | L8Me | Avg | %RSD |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1) methane | 1.616 | 1.559 | 1.225 | 1.421 | 1.279 | 1.350 | 1.552 | 1.398 | *LFE5 | 0.9999 |
| 2) ethene | 1.044 | 1.285 | 1.157 | 1.313 | 1.232 | 1.278 | 1.470 | | *LFE5 | 0.9957 |
| 3) acetylene | | 2.377 | 2.256 | 2.872 | 2.677 | 3.021 | | | *LFE4 | 0.9979 |
| 4) ethane | 0.848 | 1.216 | 1.254 | 1.439 | 1.371 | 1.407 | 1.624 | | *LFE5 | 0.9956 |
| 5) propene | 0.892 | 0.949 | 0.992 | 1.099 | 1.121 | 1.156 | 1.303 | | *LFE5 | 0.9969 |
| 6) propane | 1.009 | 1.123 | 1.176 | 1.314 | 1.341 | 1.375 | 1.526 | | *LFE5 | 0.9976 |
| 7) butane | 1.248 | 1.052 | 1.133 | 1.230 | 1.349 | 1.370 | 1.479 | | *LFE5 | 0.9987 |

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932150.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 3:46 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD01
 Misc : WG1369720
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:04:31 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| Target Compounds | | | | |
| 1) methane | 1.150 | 50096 | 0.360 | ug/L M4 |
| 2) ethene | 4.130 | 55354 | 0.428 | ug/L M4 |
| 3) acetylene | 0.000 | 0 | N.D. | ug/L d |
| 4) ethane | 5.027 | 48353 | 0.339 | ug/L M4 |
| 5) propene | 7.865 | 69567 | 0.623 | ug/L m |
| 6) propane | 8.013 | 84771 | 0.645 | ug/L |
| 7) butane | 9.810 | 138481 | 1.126 | ug/L M4 |

(f)=RT Delta > 1/2 Window

(m)=manual int.

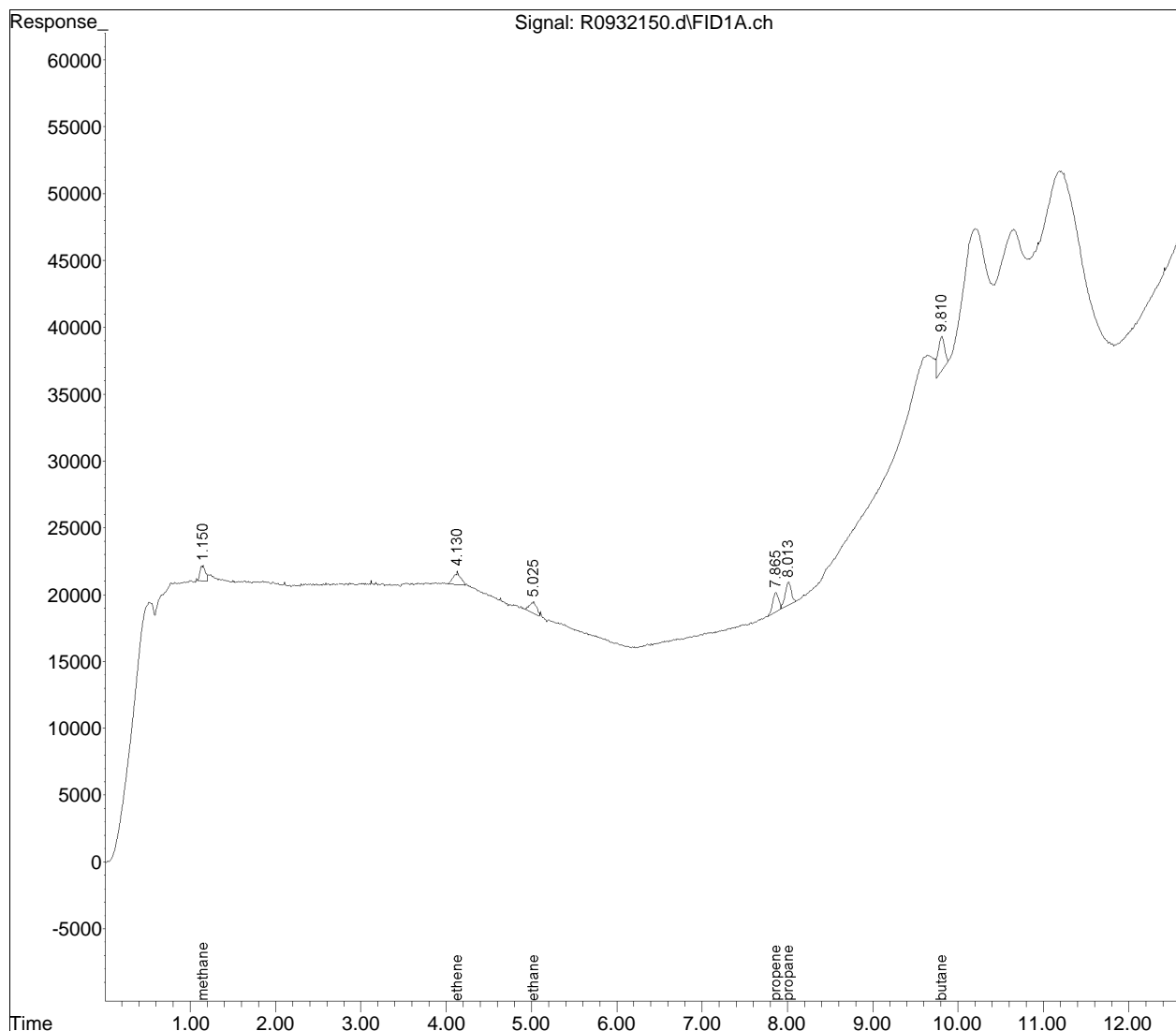
Quantitation Report (QT Reviewed)

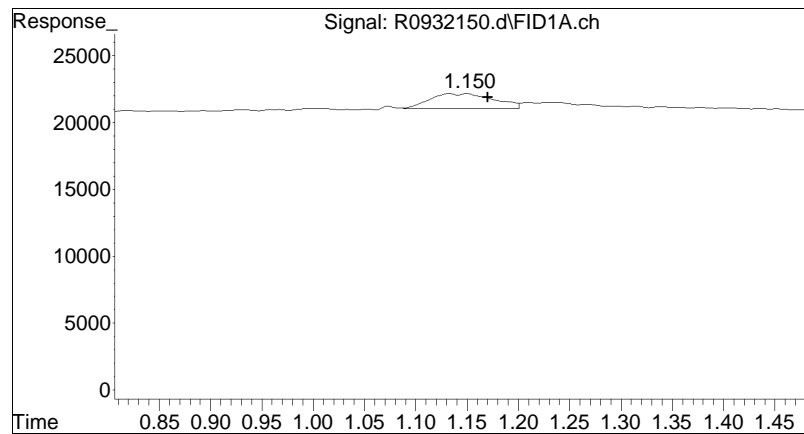
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932150.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 3:46 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD01
Misc : WG1369720
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:04:31 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

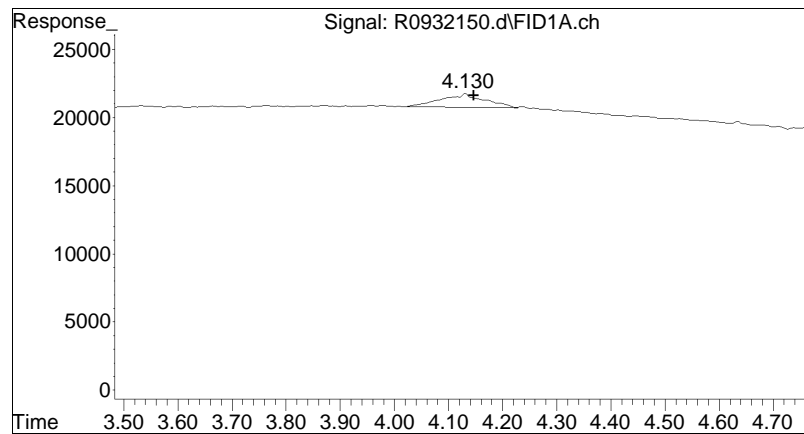
Sub List : Default - All compounds listed





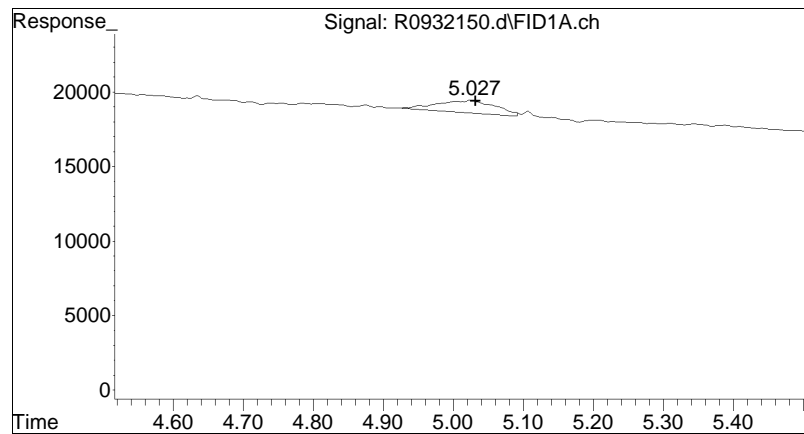
#1 methane

R.T.: 1.150 min
Delta R.T.: -0.020 min
Response: 50096
Conc: 0.36 ug/L M4



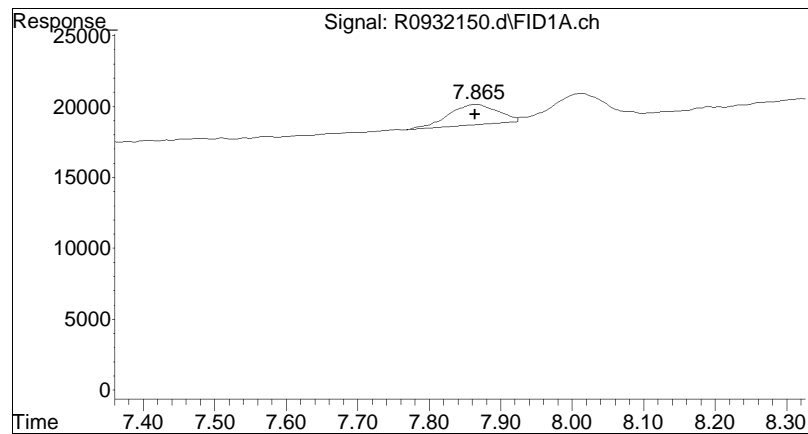
#2 ethene

R.T.: 4.130 min
Delta R.T.: -0.016 min
Response: 55354
Conc: 0.43 ug/L M4



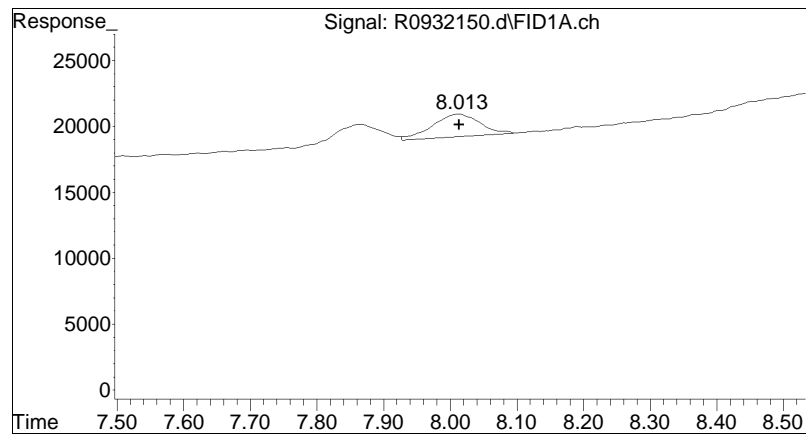
#4 ethane

R.T.: 5.027 min
Delta R.T.: -0.005 min
Response: 48353
Conc: 0.34 ug/L M4



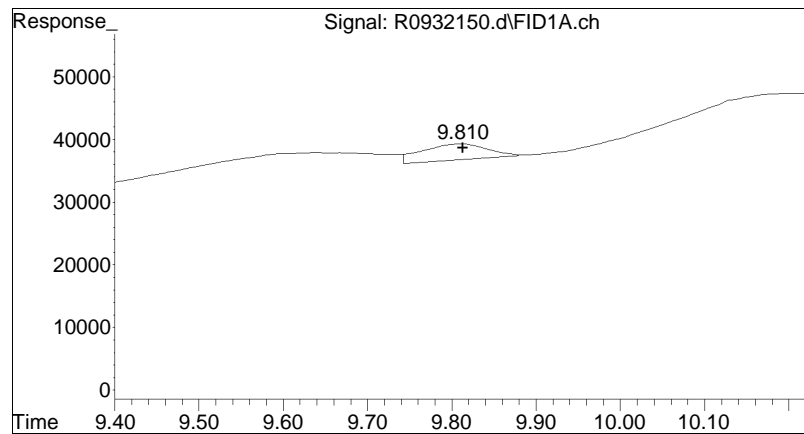
#5 propene

R.T.: 7.865 min
Delta R.T.: 0.001 min
Response: 69567
Conc: 0.62 ug/L m



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 84771
Conc: 0.64 ug/L



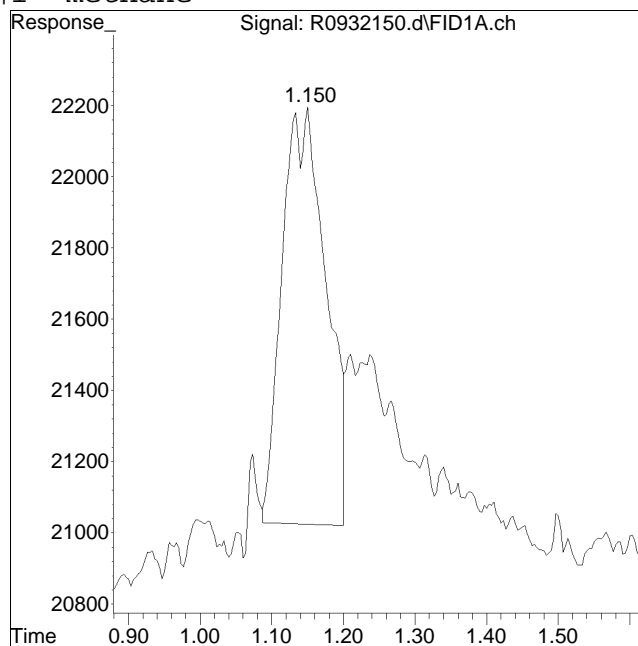
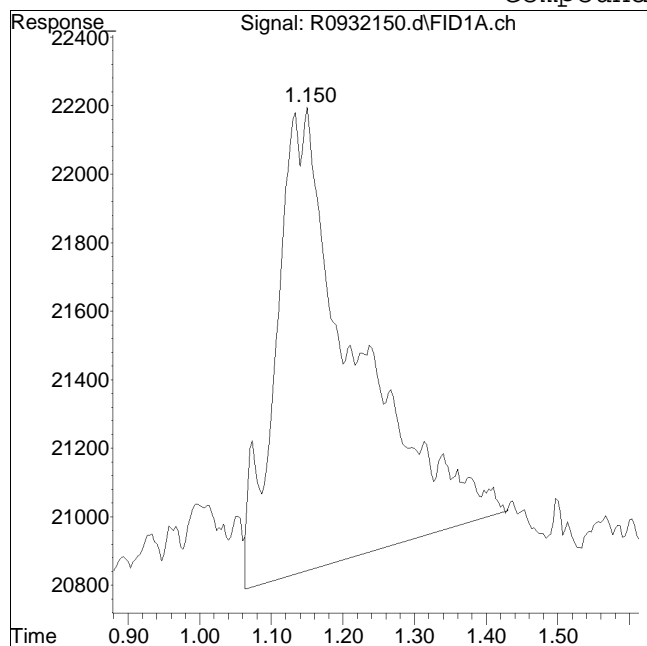
#7 butane

R.T.: 9.810 min
Delta R.T.: -0.003 min
Response: 138481
Conc: 1.13 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 105329

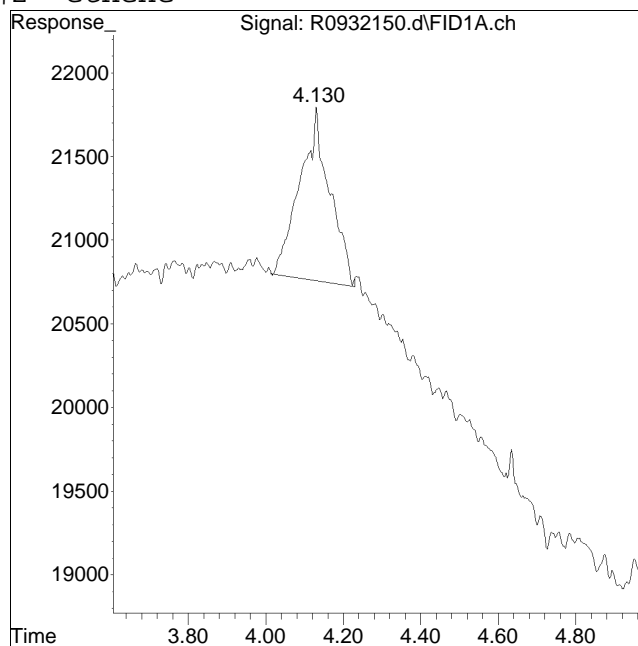
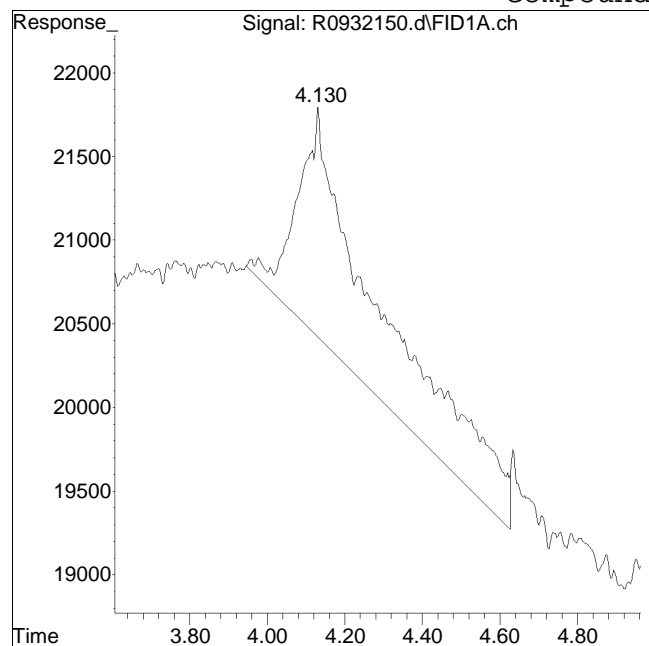
Manual Peak Response = 50096 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 205098

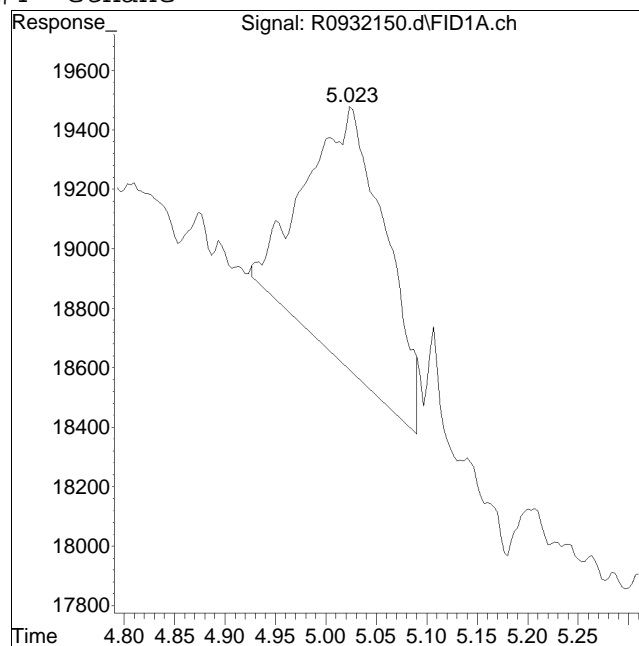
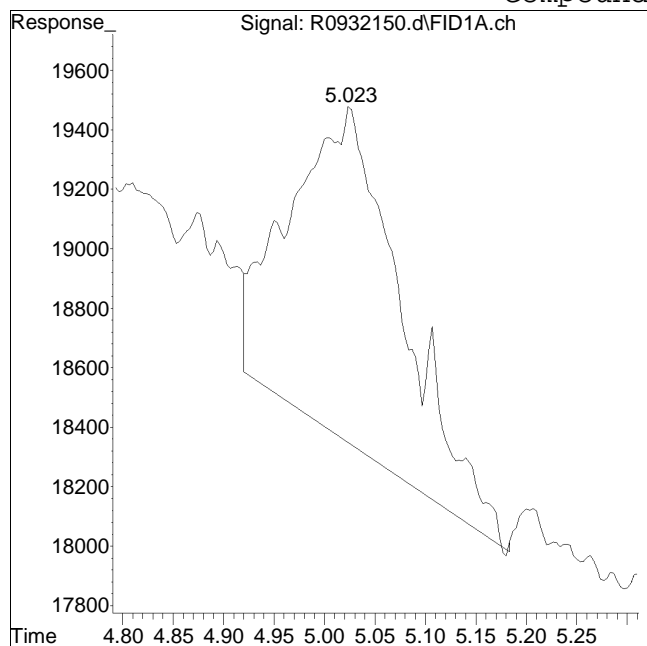
Manual Peak Response = 55354 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 87968

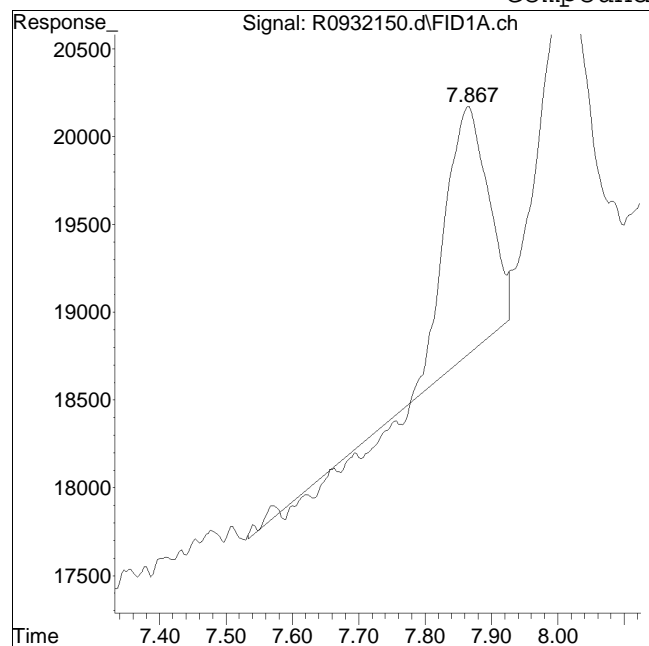
Manual Peak Response = 48353 M4

M4 = Poor automated baseline construction.

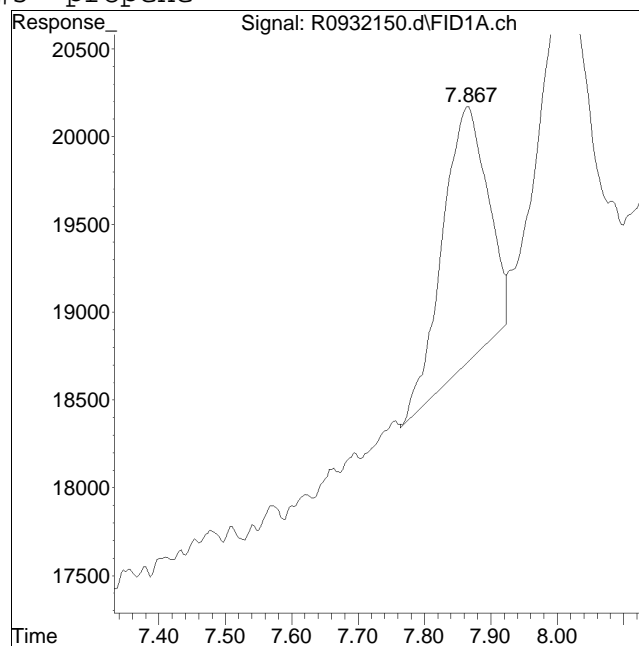
Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #5: propene



Original Peak Response = 58733

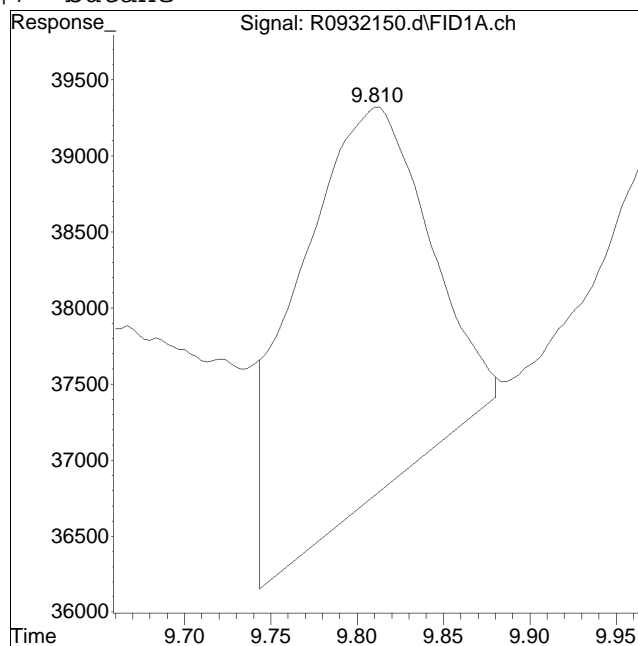
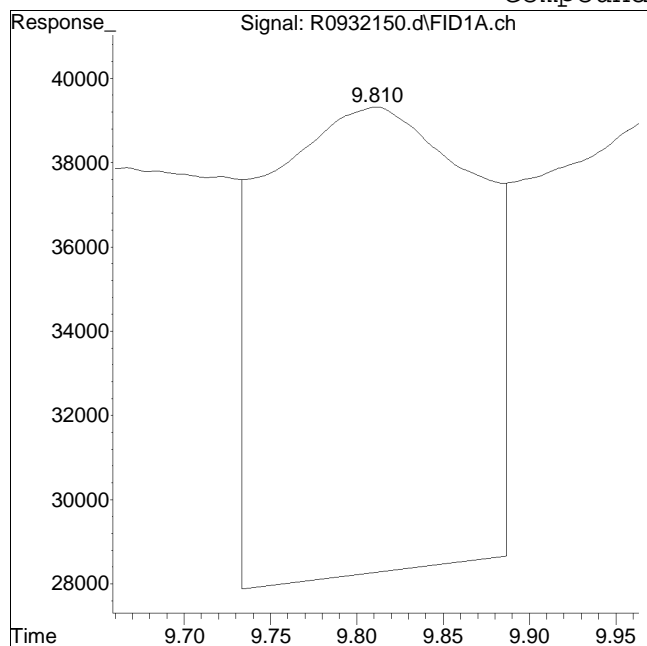


Manual Peak Response = 69567 m

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932150.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:3: 6 Instrument : Airlab9
Sample : IDISSGASSTD01 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 924225

Manual Peak Response = 138481 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932151.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:06 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD02
 Misc : WG1369720
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:06:02 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|-------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.171 | 238574 | 1.715 | ug/L M4 |
| 2) ethene | 4.141 | 343031 | 2.652 | ug/L M4 |
| 3) acetylene | 4.875 | 58955 | 2.063 | ug/L M4 |
| 4) ethane | 5.057 | 348987 | 2.449 | ug/L M4 |
| 5) propene | 7.866 | 380697 | 3.408 | ug/L |
| 6) propane | 8.013 | 471549 | 3.588 | ug/L |
| 7) butane | 9.812 | 582655 | 4.738 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

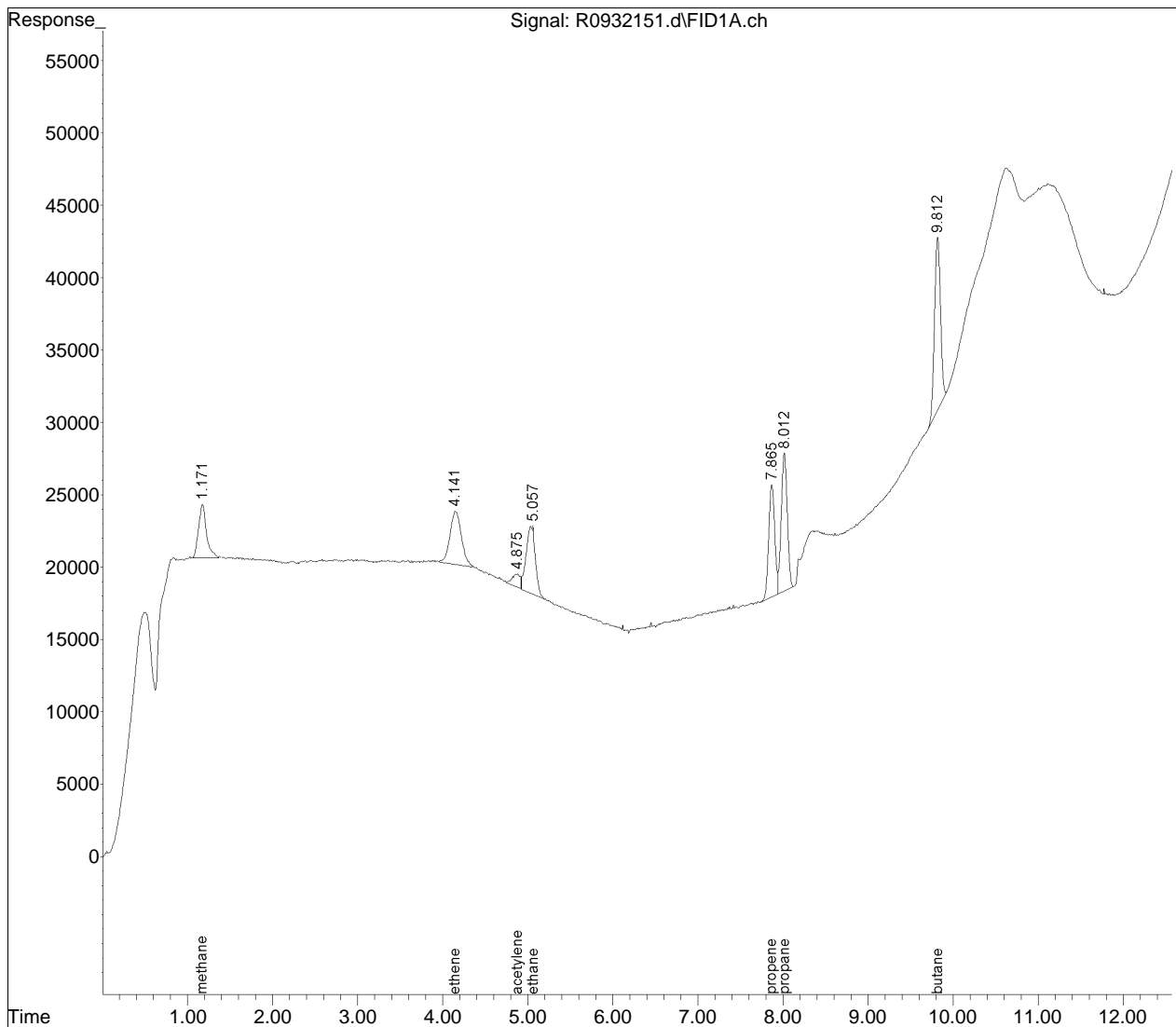
Quantitation Report (QT Reviewed)

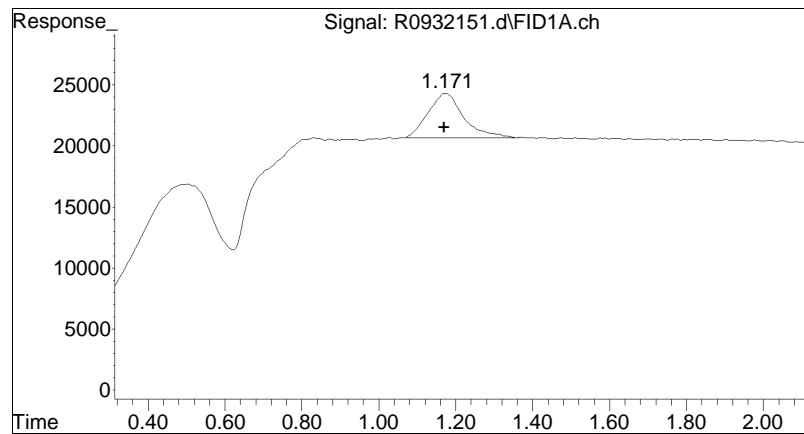
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932151.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:06 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD02
Misc : WG1369720
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:06:02 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

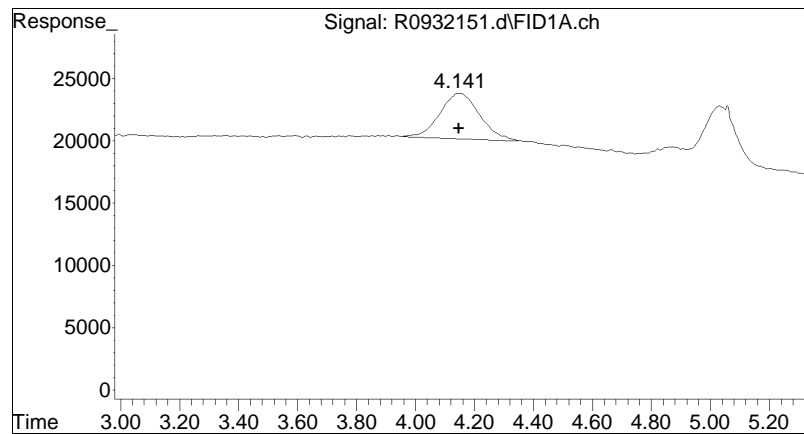
Sub List : Default - All compounds listed





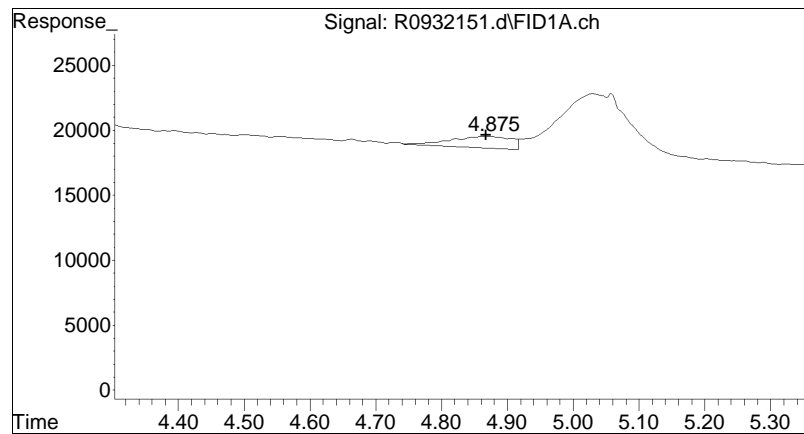
#1 methane

R.T.: 1.171 min
Delta R.T.: 0.001 min
Response: 238574
Conc: 1.72 ug/L M4



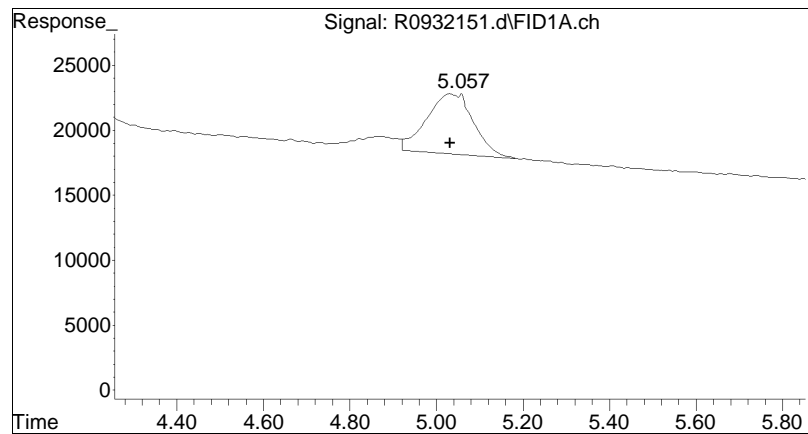
#2 ethene

R.T.: 4.141 min
Delta R.T.: -0.006 min
Response: 343031
Conc: 2.65 ug/L M4



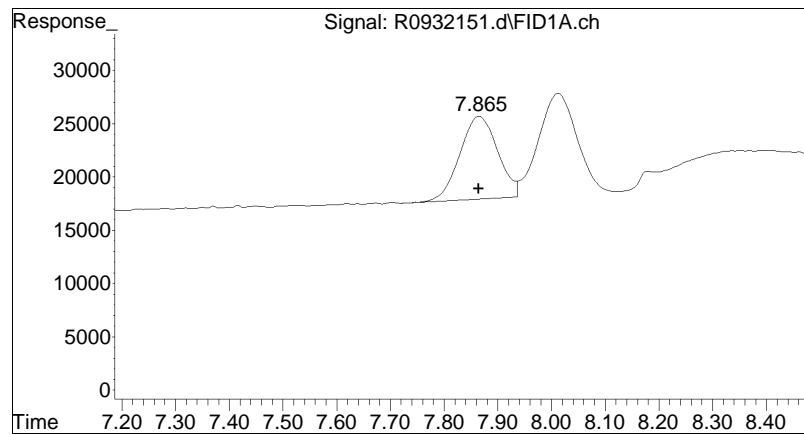
#3 acetylene

R.T.: 4.875 min
Delta R.T.: 0.008 min
Response: 58955
Conc: 2.06 ug/L M4



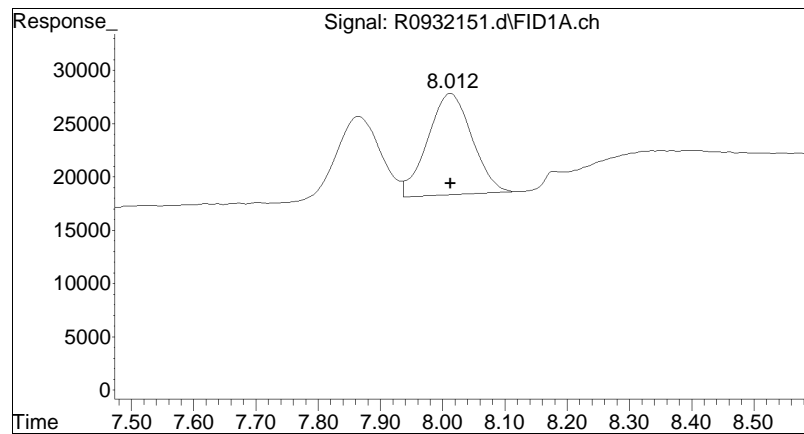
#4 ethane

R.T.: 5.057 min
Delta R.T.: 0.025 min
Response: 348987
Conc: 2.45 ug/L M4



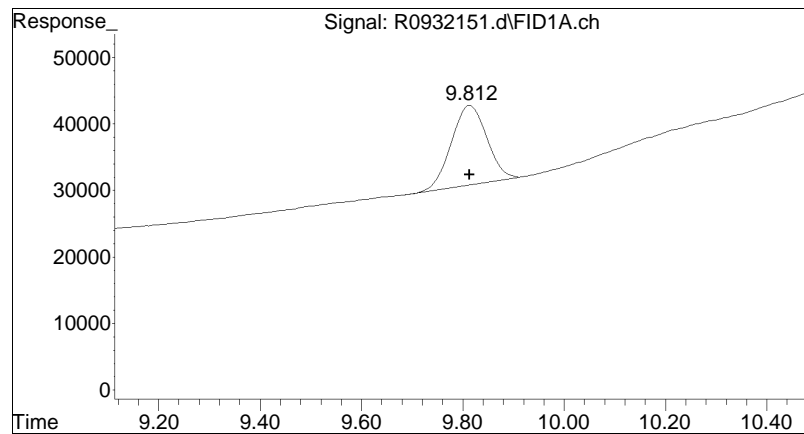
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 380697
Conc: 3.41 ug/L



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 471549
Conc: 3.59 ug/L



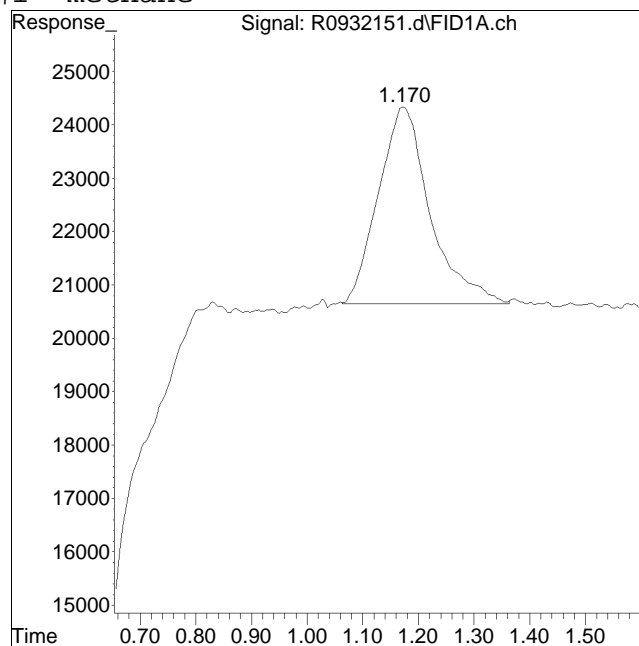
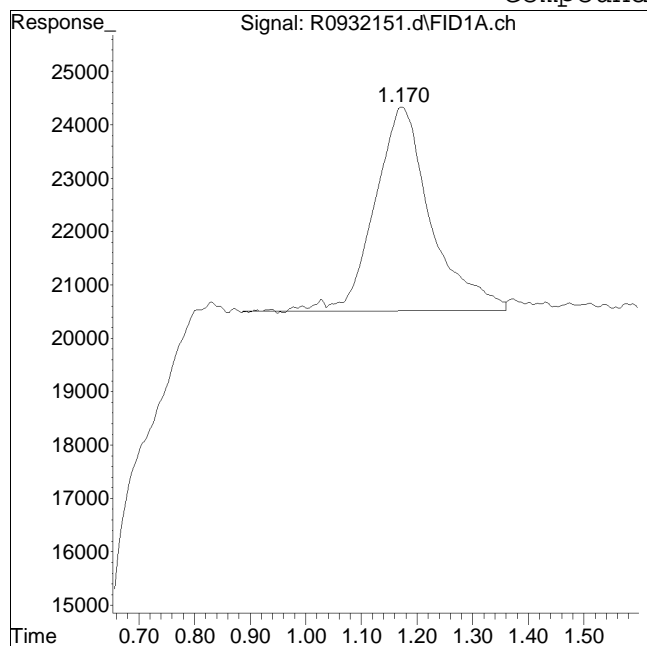
#7 butane

R.T.: 9.812 min
Delta R.T.: 0.000 min
Response: 582655
Conc: 4.74 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 266970

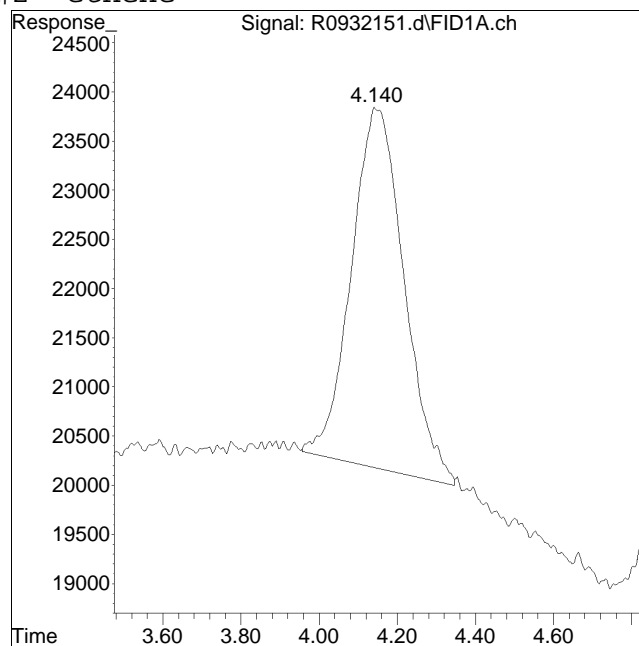
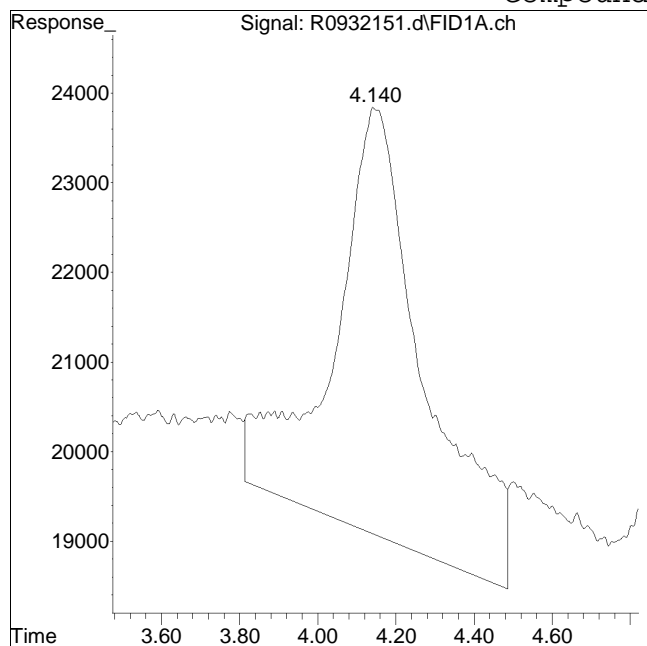
Manual Peak Response = 238574 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 782252

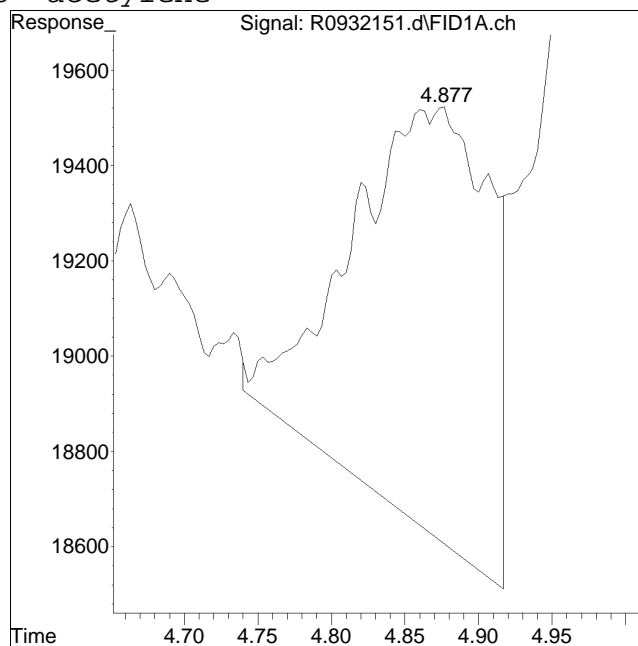
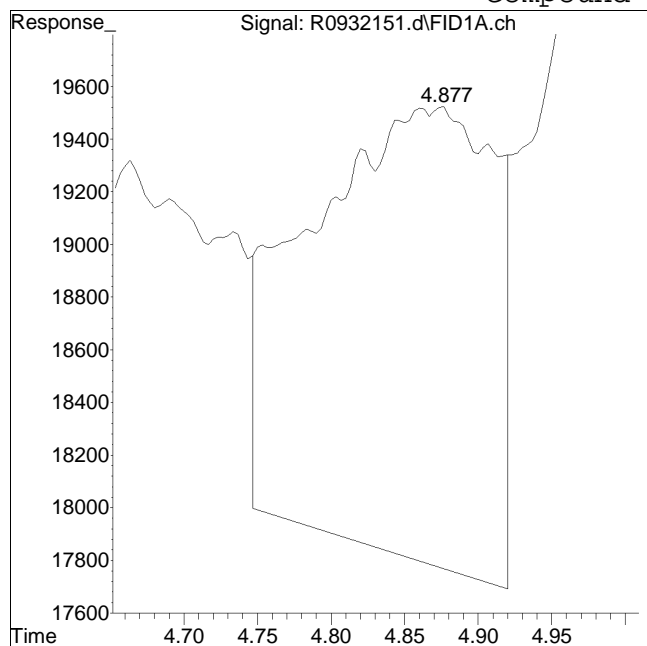
Manual Peak Response = 343031 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #3: acetylene



Original Peak Response = 147460

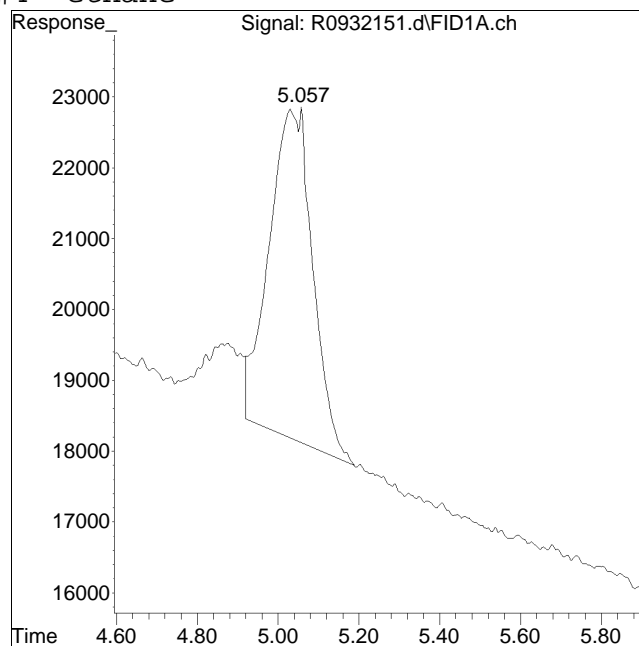
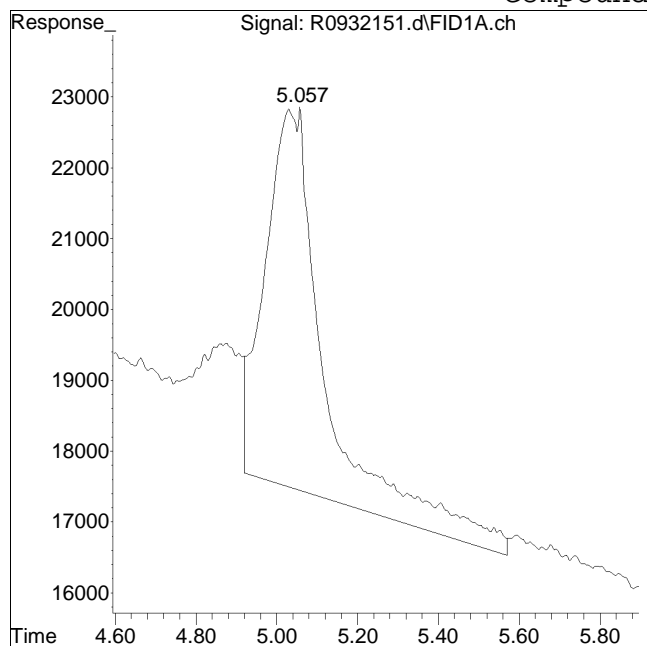
Manual Peak Response = 58955 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 553201

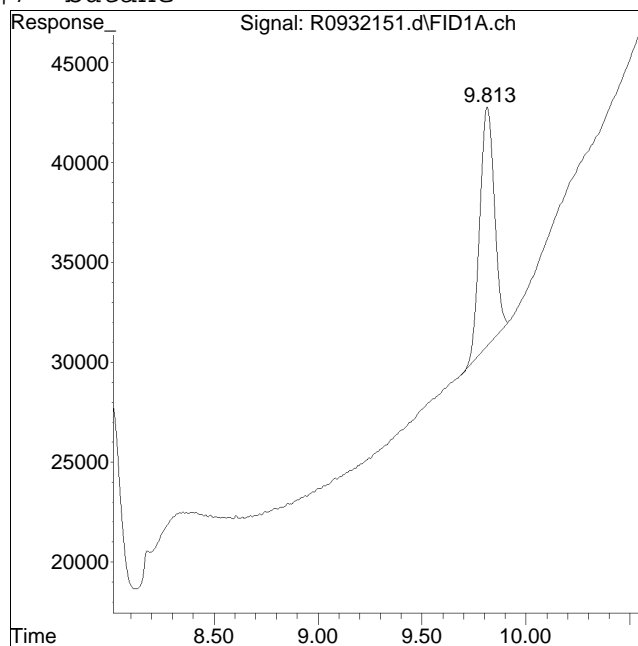
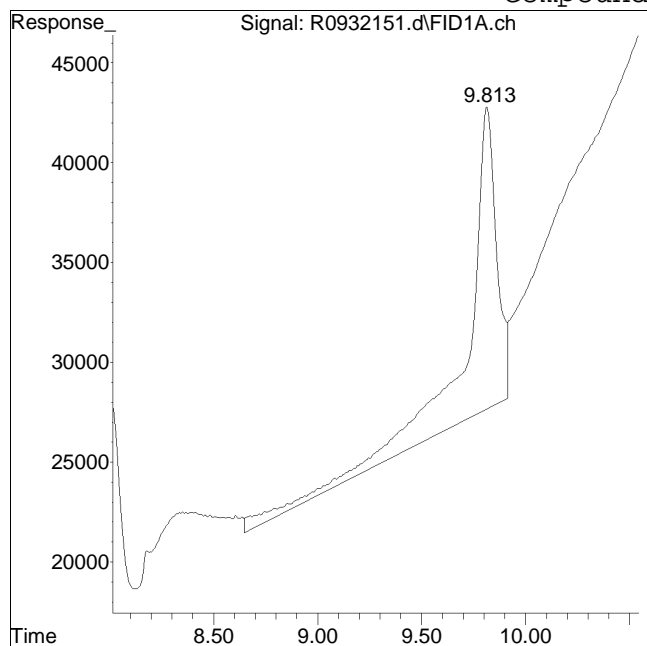
Manual Peak Response = 348987 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932151.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 6 Instrument : Airlab9
Sample : IDISSGASSTD02 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 1523431

Manual Peak Response = 582655 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932152.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:25 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD03
 Misc : WG1369720
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:07:27 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|--------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.152 | 3343625 | 24.039 | ug/L M4 |
| 2) ethene | 4.139 | 5529095 | 42.753 | ug/L M4 |
| 3) acetylene | 4.862 | 999328 | 34.966 | ug/L M4 |
| 4) ethane | 5.026 | 6418752 | 45.047 | ug/L M4 |
| 5) propene | 7.863 | 7113582 | 63.678 | ug/L M4 |
| 6) propane | 8.012 | 8828763 | 67.171 | ug/L |
| 7) butane | 9.811 | 11220258 | 91.247 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

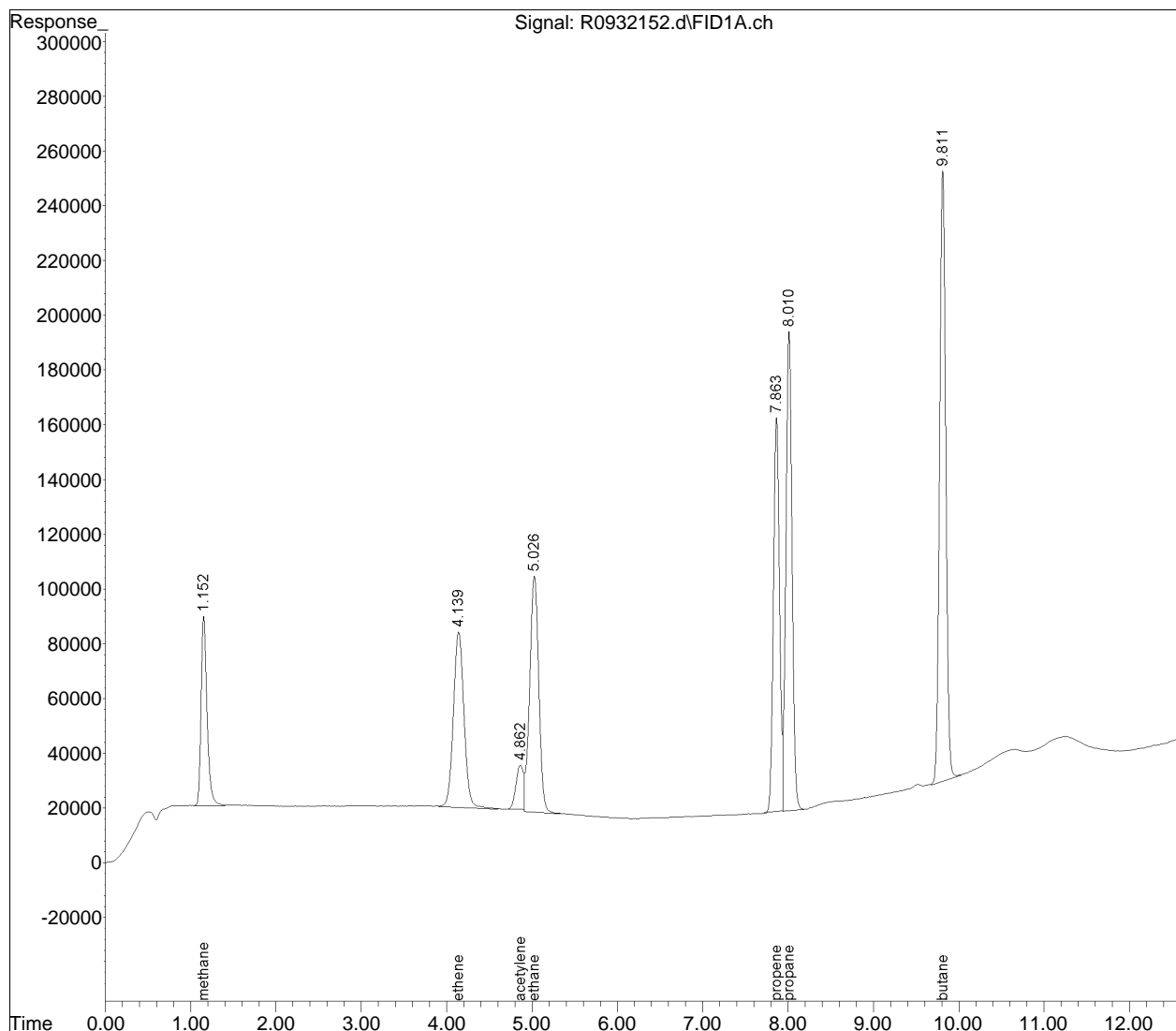
Quantitation Report (QT Reviewed)

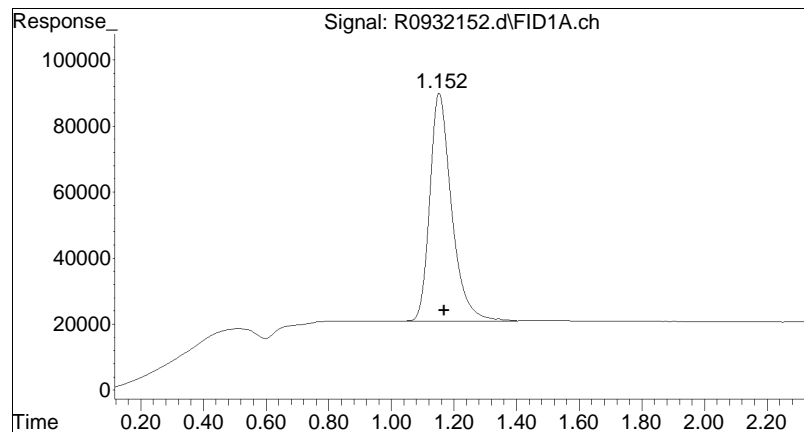
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932152.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:25 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD03
Misc : WG1369720
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:07:27 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

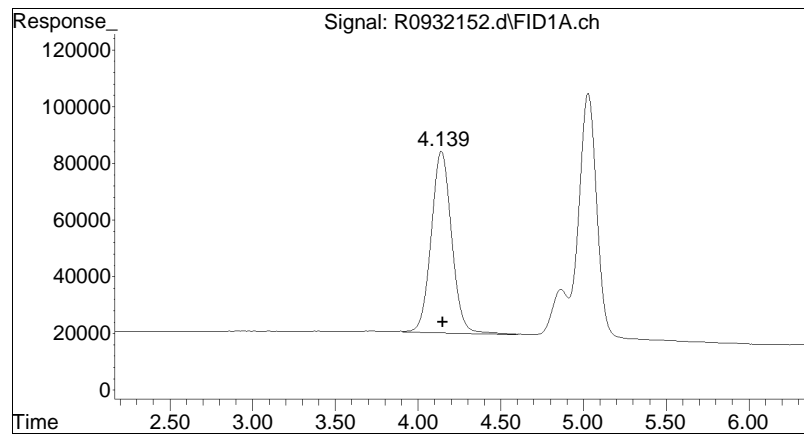
Sub List : Default - All compounds listed





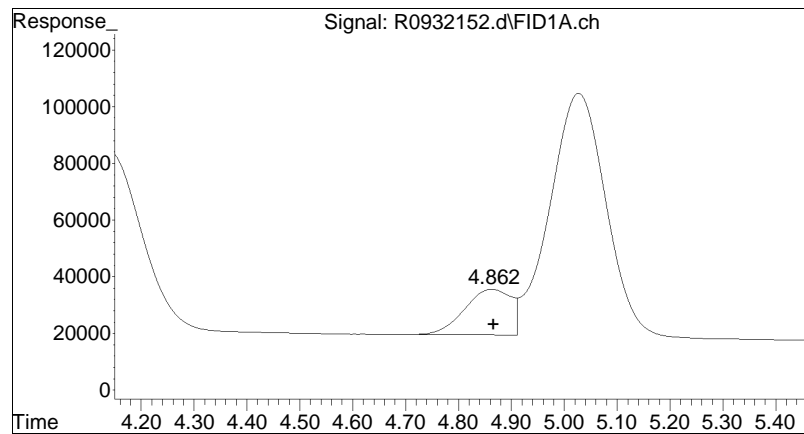
#1 methane

R.T.: 1.152 min
Delta R.T.: -0.018 min
Response: 3343625
Conc: 24.04 ug/L M4



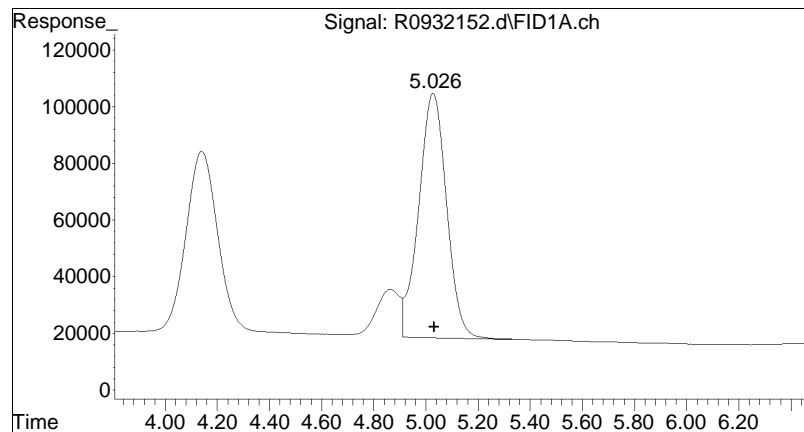
#2 ethene

R.T.: 4.139 min
Delta R.T.: -0.008 min
Response: 5529095
Conc: 42.75 ug/L M4



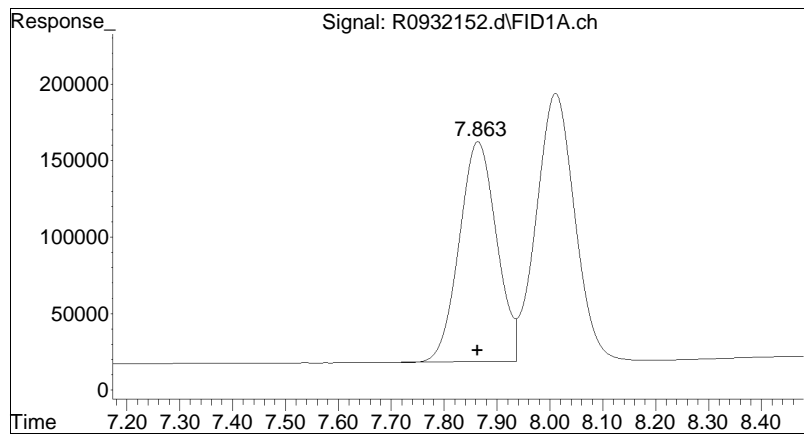
#3 acetylene

R.T.: 4.862 min
Delta R.T.: -0.005 min
Response: 999328
Conc: 34.97 ug/L M4



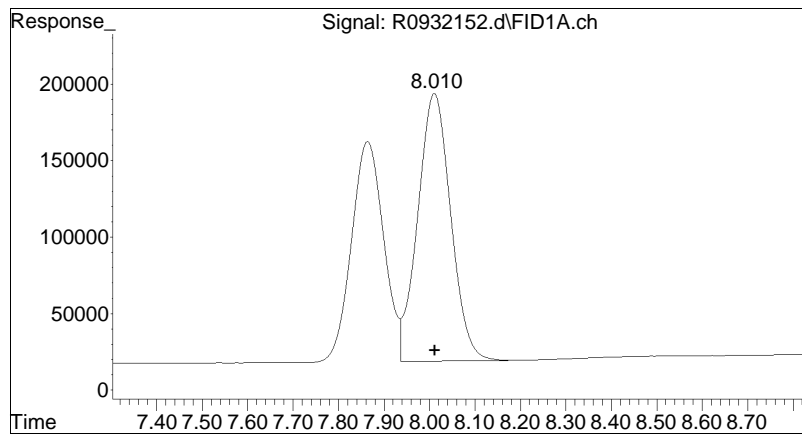
#4 ethane

R.T.: 5.026 min
Delta R.T.: -0.005 min
Response: 6418752
Conc: 45.05 ug/L M4



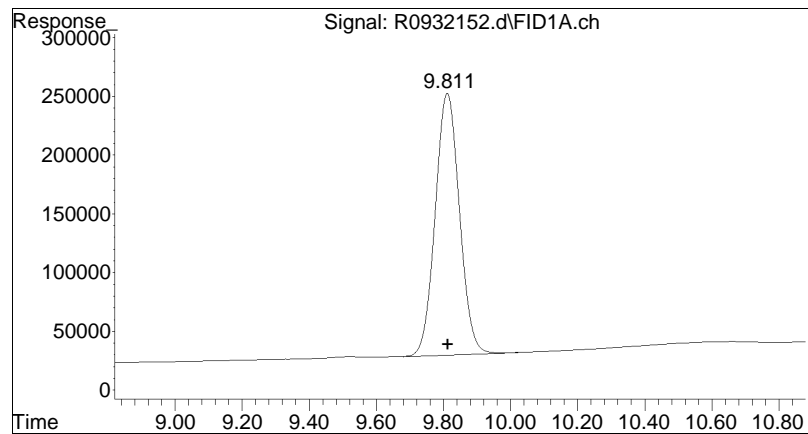
#5 propene

R.T.: 7.863 min
Delta R.T.: 0.000 min
Response: 7113582
Conc: 63.68 ug/L M4



#6 propane

R.T.: 8.012 min
Delta R.T.: -0.001 min
Response: 8828763
Conc: 67.17 ug/L



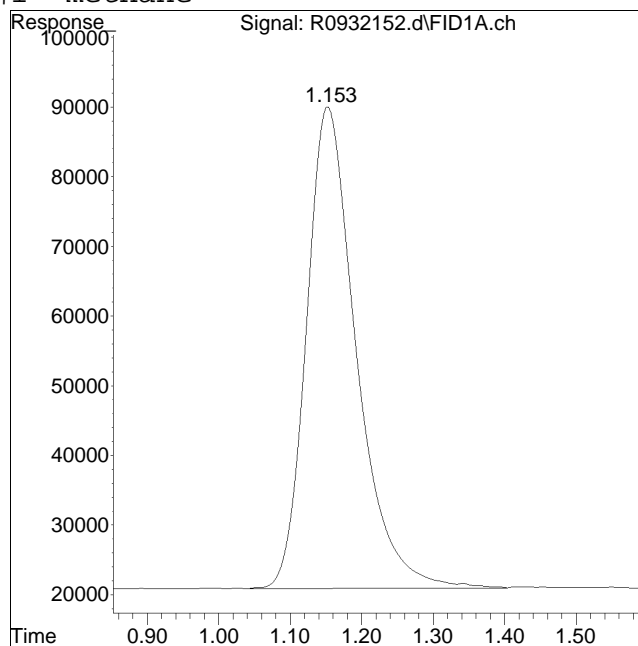
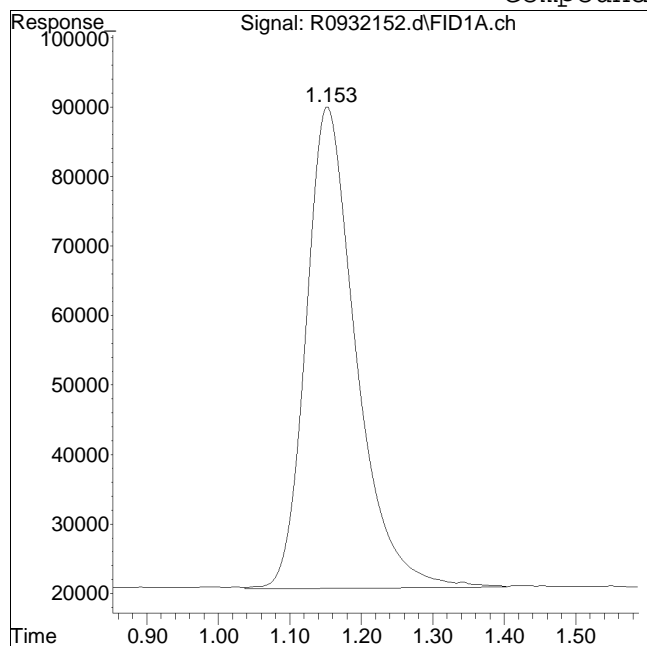
#7 butane

R.T.: 9.811 min
Delta R.T.: -0.002 min
Response: 11220258
Conc: 91.25 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #1: methane



Original Peak Response = 3370003

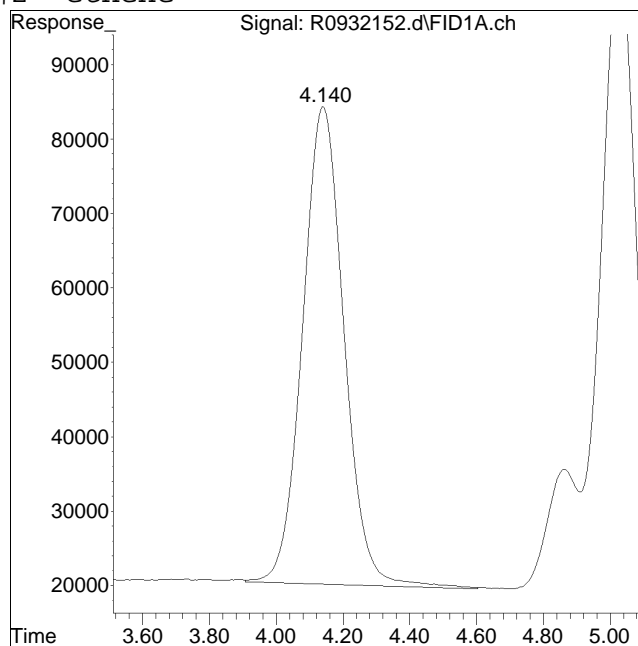
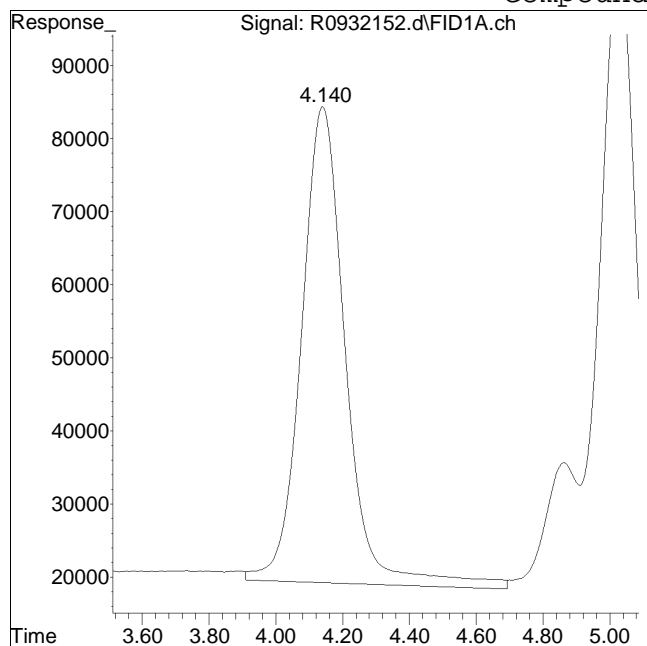
Manual Peak Response = 3343625 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 6005070

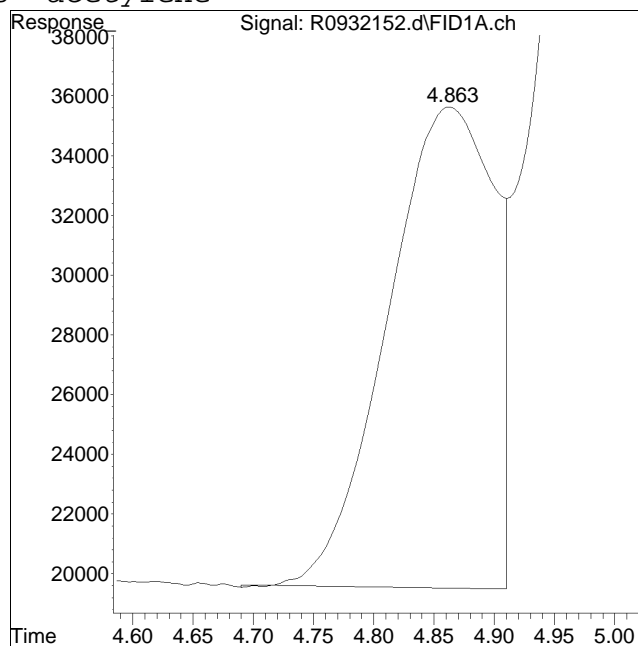
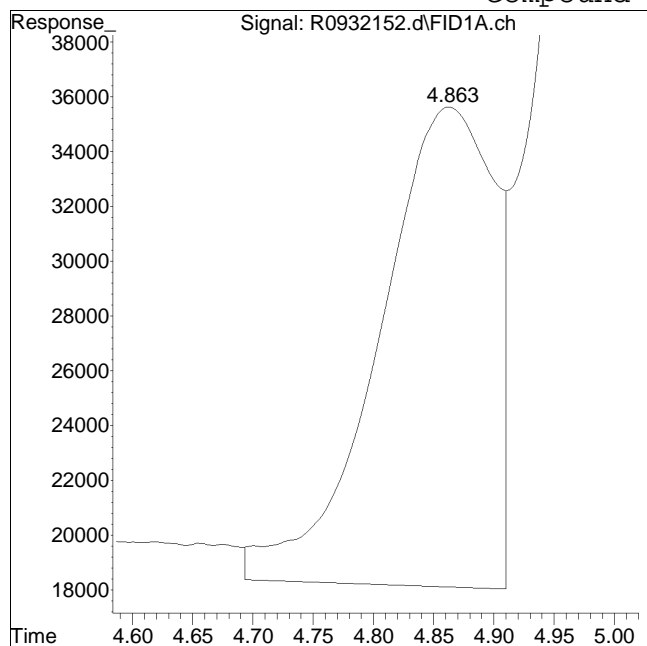
Manual Peak Response = 5529095 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #3: acetylene



Original Peak Response = 1154222

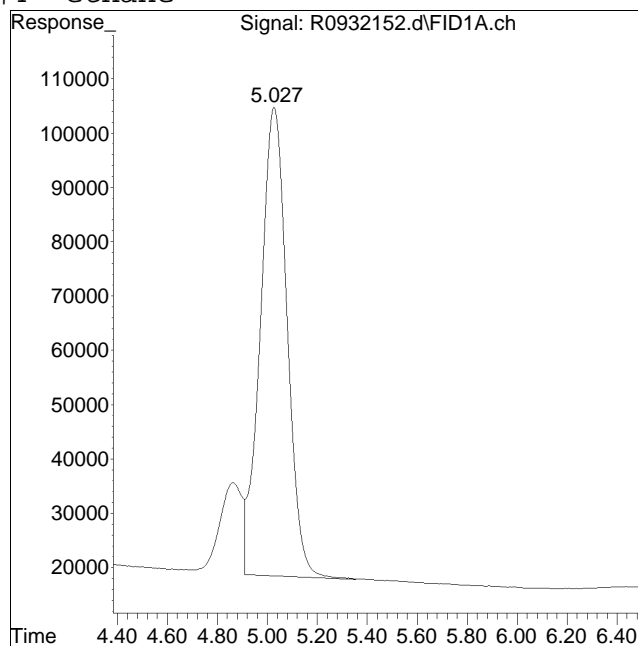
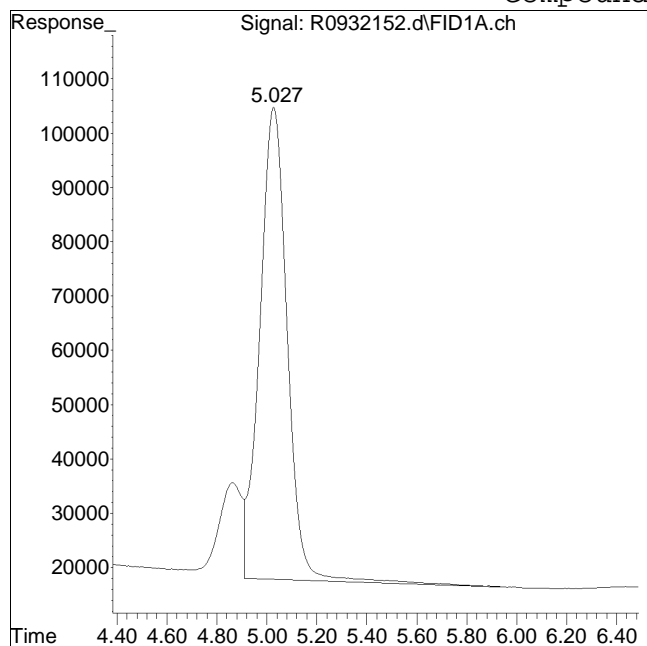
Manual Peak Response = 999328 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 6687836

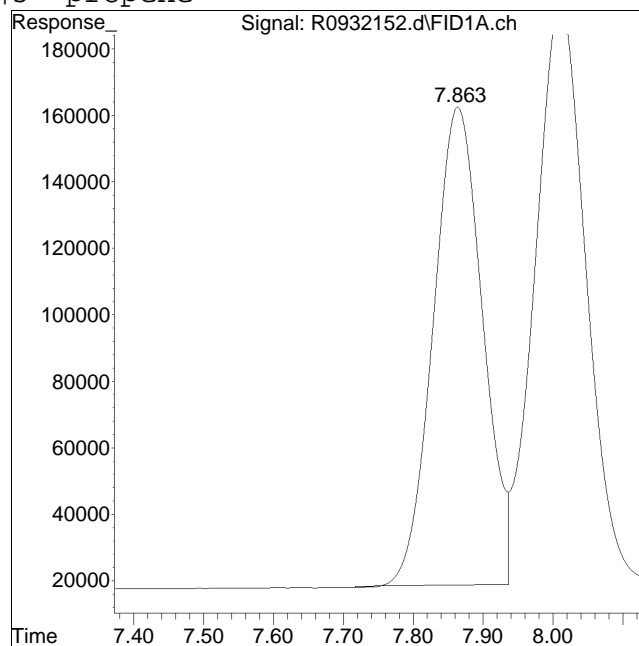
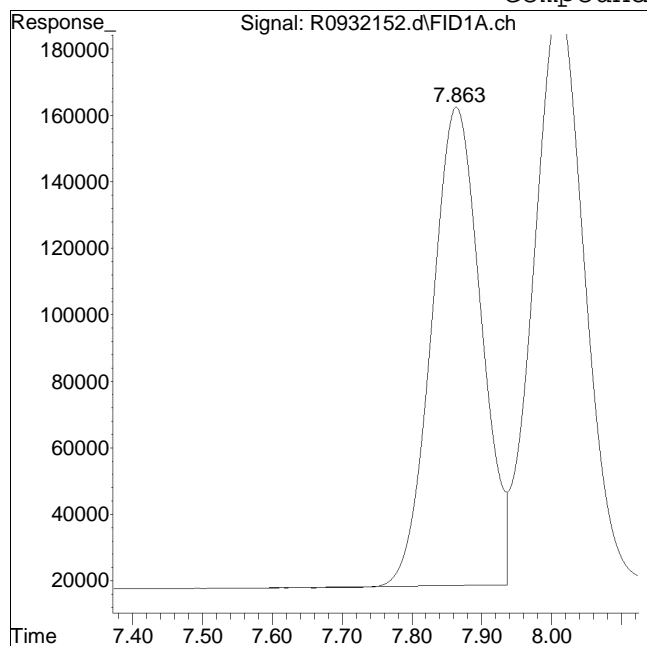
Manual Peak Response = 6418752 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #5: propene



Original Peak Response = 7047780

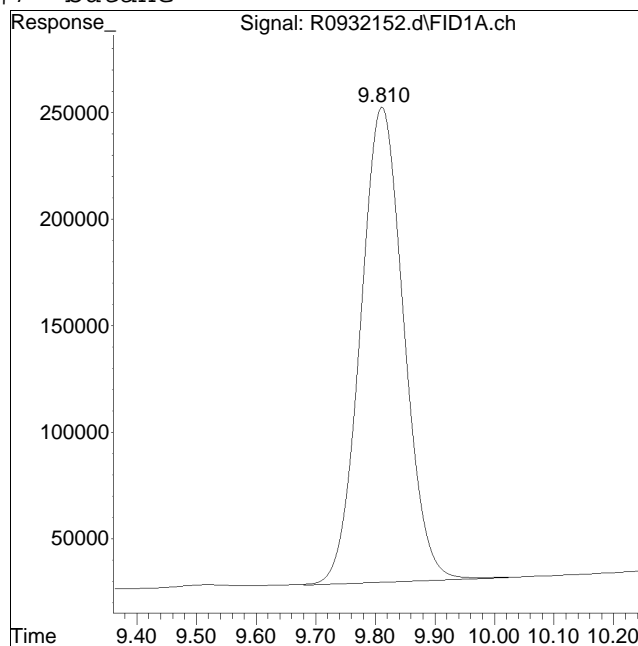
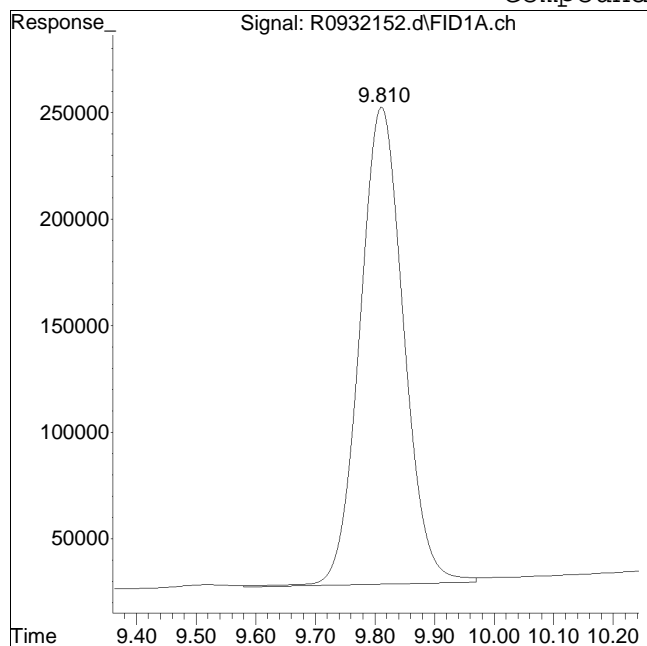
Manual Peak Response = 7113582 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932152.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD03 Quant Date : 5/12/2020 7:02 am

Compound #7: butane



Original Peak Response = 11414071

Manual Peak Response = 11220258 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932153.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 4:45 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD04
 Misc : WG1369720
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:02:10 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.172 | 7757599 | 55.774 ug/L |
| 2) ethene | 4.148 | 12540561 | 96.969 ug/L |
| 3) acetylene | 4.868 | 2547342 | 89.130 ug/L |
| 4) ethane | 5.033 | 14679106 | 103.018 ug/L |
| 5) propene | 7.866 | 15720300 | 140.723 ug/L |
| 6) propane | 8.013 | 19715625 | 150.000 ug/L |
| 7) butane | 9.813 | 24347224 | 198.000 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

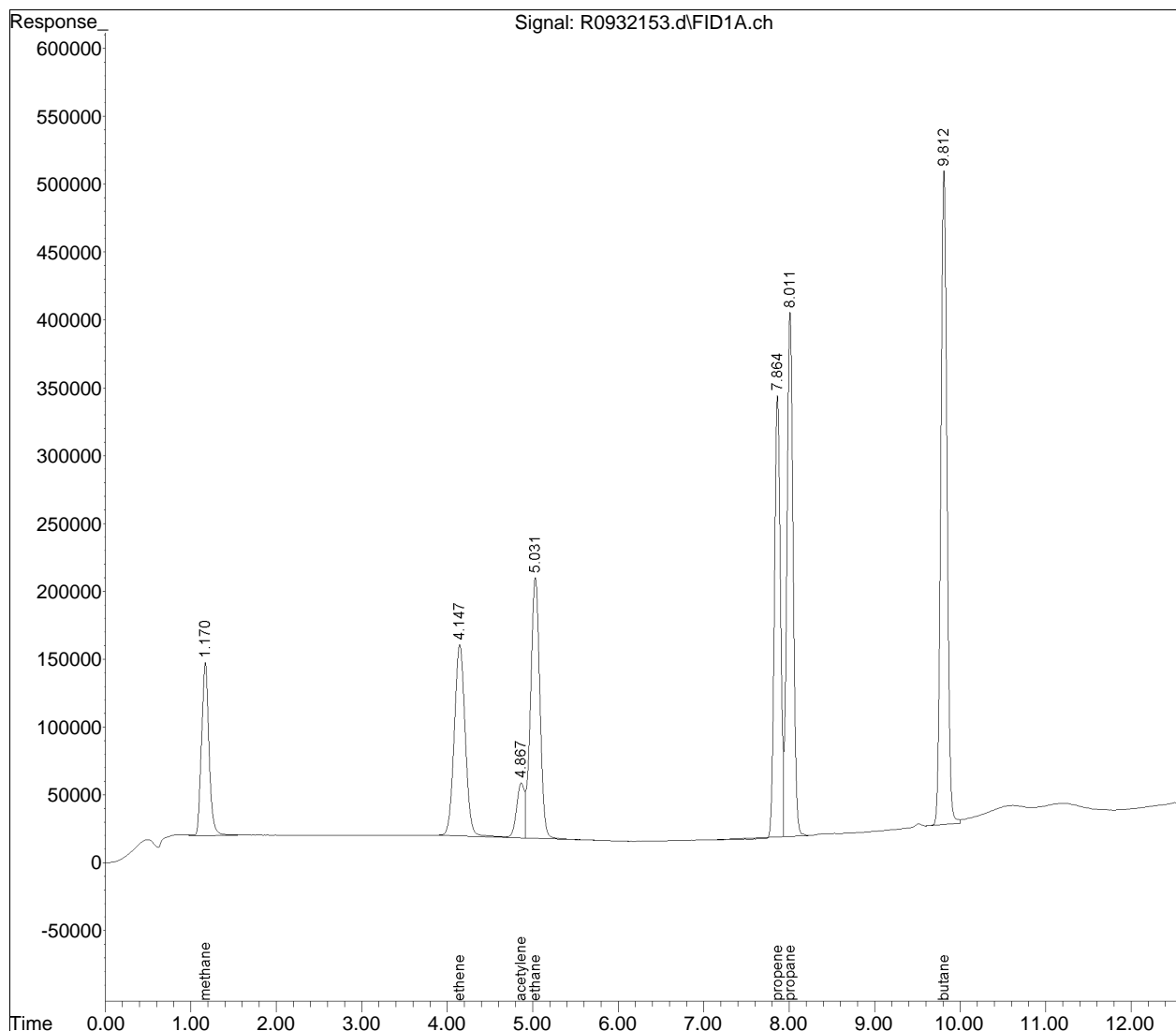
Quantitation Report (QT Reviewed)

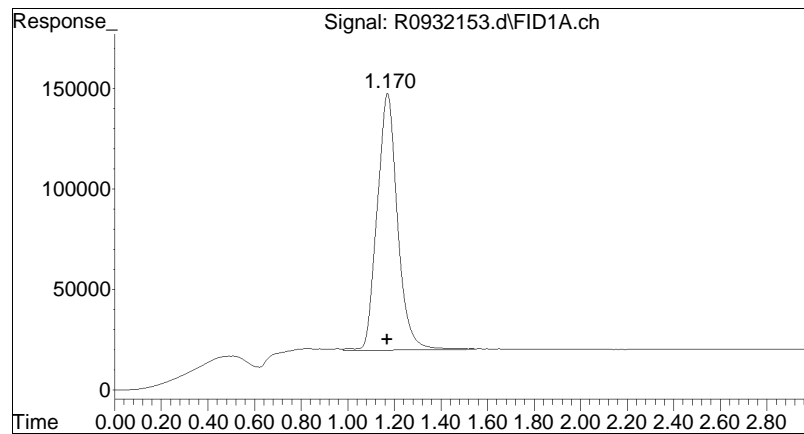
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932153.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 4:45 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD04
Misc : WG1369720
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:02:10 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

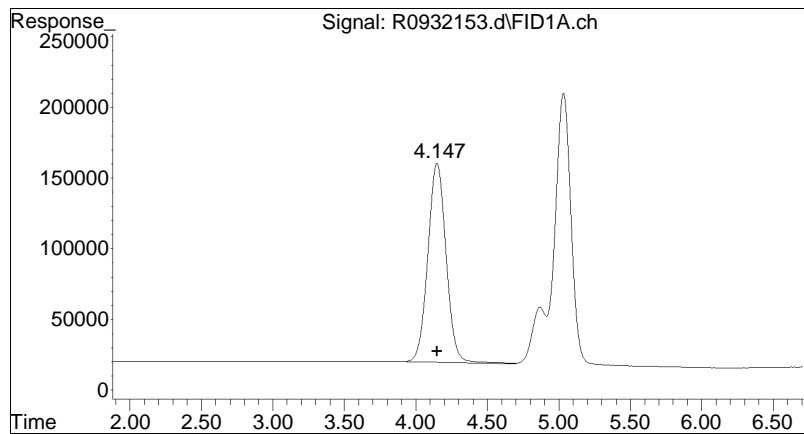
Sub List : Default - All compounds listed





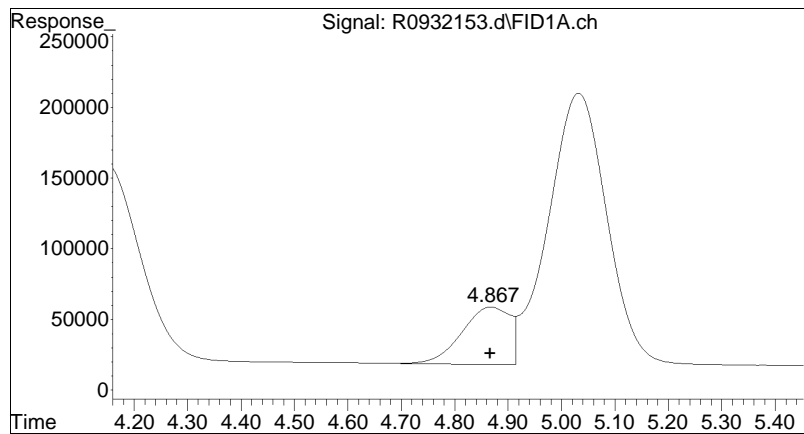
#1 methane

R.T.: 1.172 min
Delta R.T.: 0.002 min
Response: 7757599
Conc: 55.77 ug/L



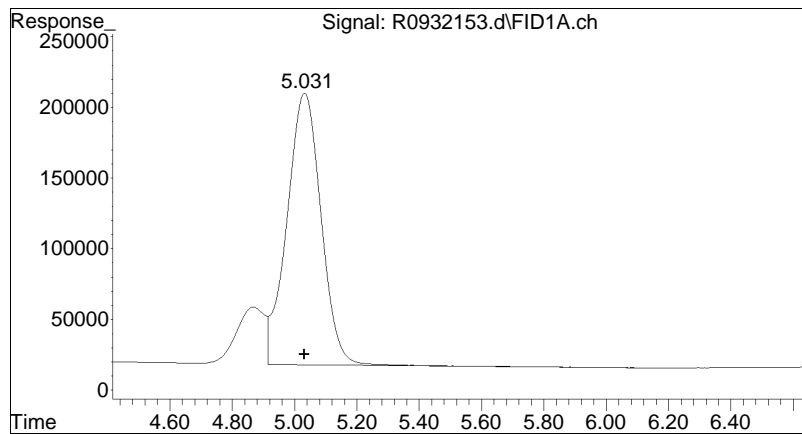
#2 ethene

R.T.: 4.148 min
Delta R.T.: 0.001 min
Response: 12540561
Conc: 96.97 ug/L



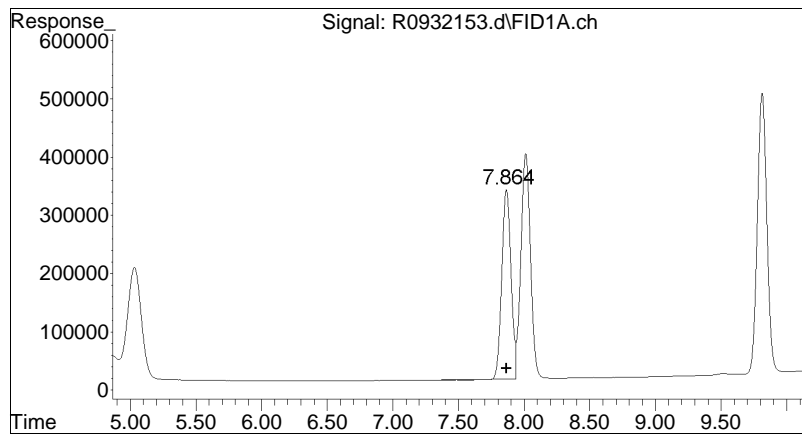
#3 acetylene

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 2547342
Conc: 89.13 ug/L



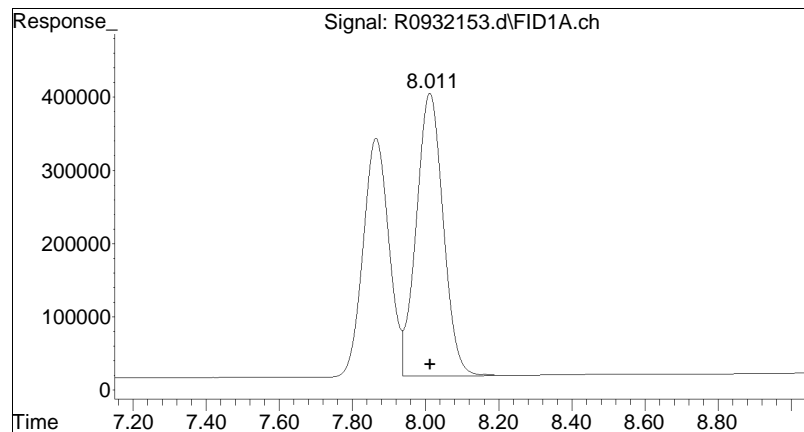
#4 ethane

R.T.: 5.033 min
Delta R.T.: 0.001 min
Response: 14679106
Conc: 103.02 ug/L



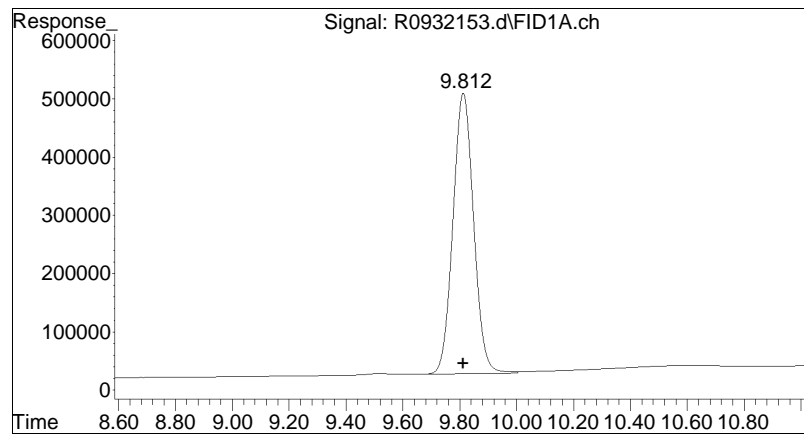
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 15720300
Conc: 140.72 ug/L



#6 propane

R.T.: 8.013 min
Delta R.T.: 0.000 min
Response: 19715625
Conc: 150.00 ug/L



#7 butane

R.T.: 9.813 min
Delta R.T.: 0.000 min
Response: 24347224
Conc: 198.00 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932153.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:4: 5 Instrument : Airlab9
Sample : IDISSGASSTD04 Quant Date : 5/12/2020 7:02 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932154.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:05 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD05
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:08:13 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.140 | 55902656 | 401.920 | ug/L |
| 2) ethene | 4.130 | 94118346 | 727.761 | ug/L |
| 3) acetylene | 4.856 | 18978388 | 664.044 | ug/L |
| 4) ethane | 5.018 | 112273154 | 787.935 | ug/L M4 |
| 5) propene | 7.860 | 128495538 | 1150.248 | ug/L |
| 6) propane | 8.006 | 161032025 | 1225.160 | ug/L |
| 7) butane | 9.809 | 213519381 | 1736.413 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

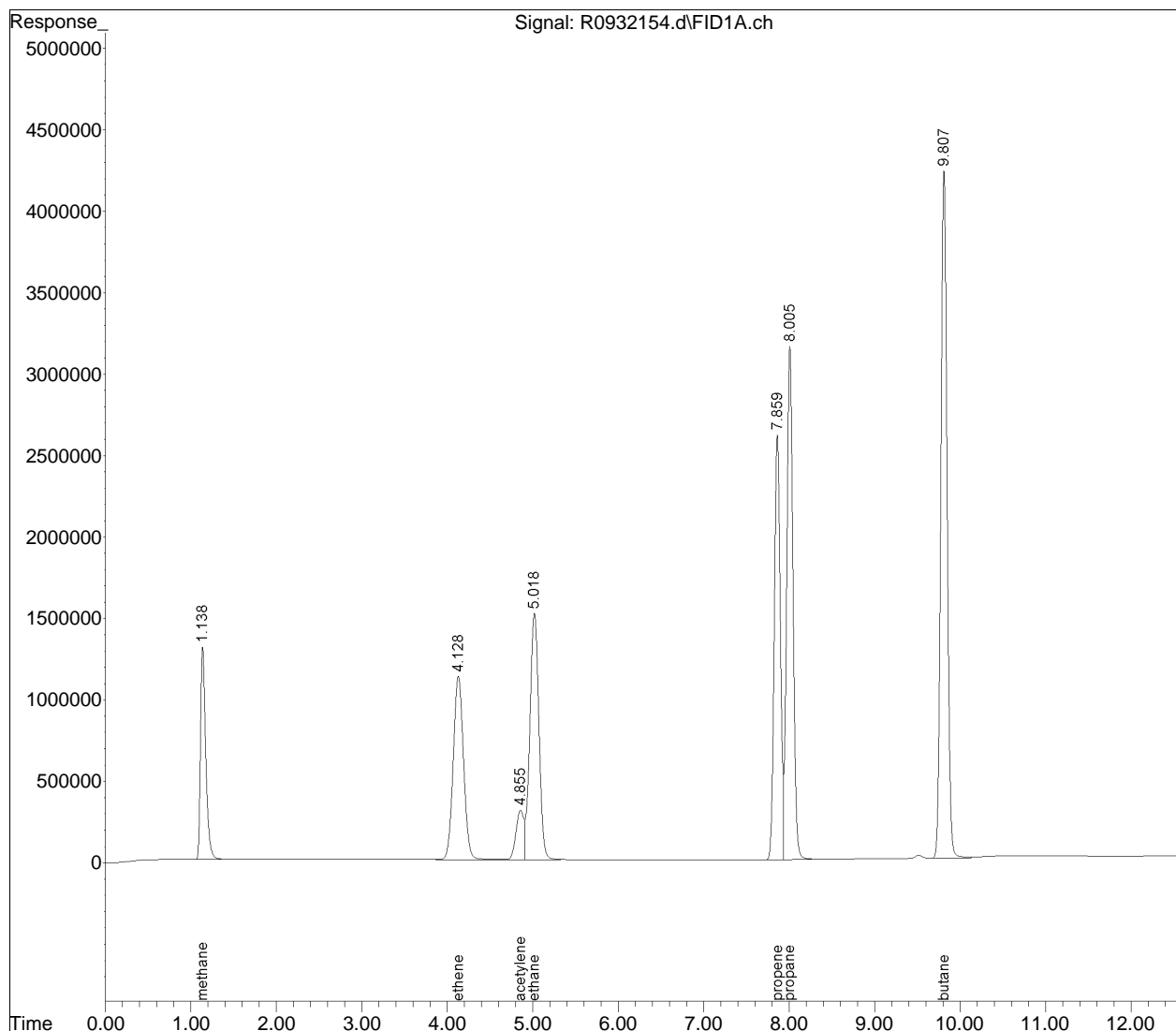
Quantitation Report (QT Reviewed)

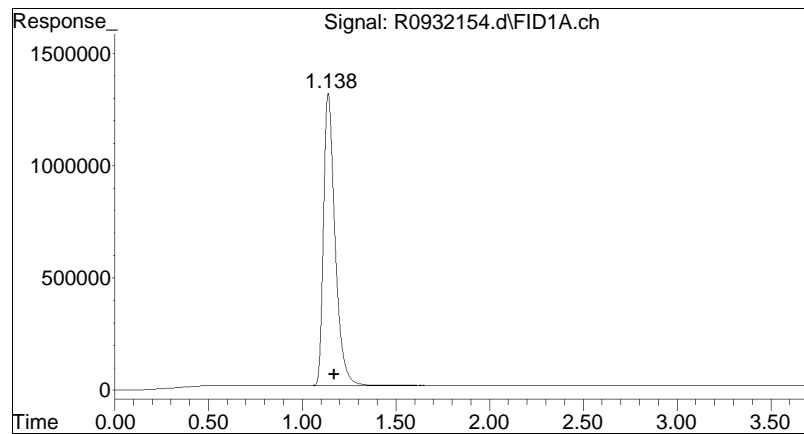
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932154.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:05 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD05
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:08:13 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

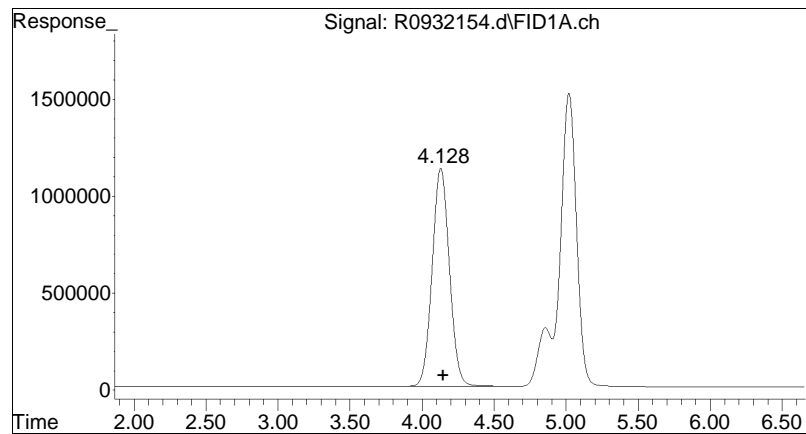
Sub List : Default - All compounds listed





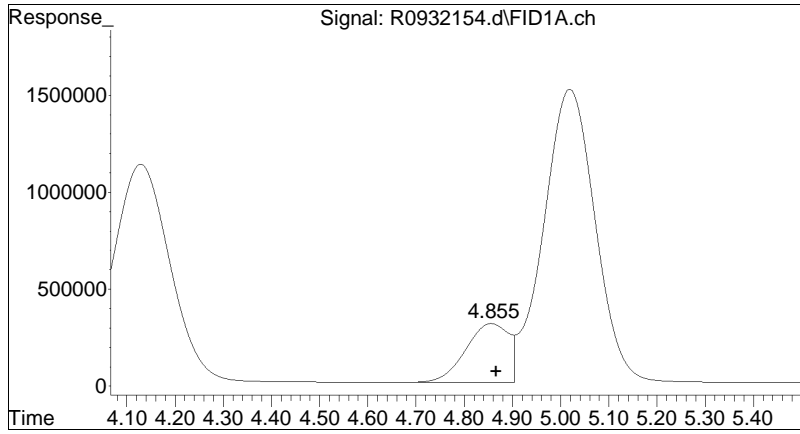
#1 methane

R.T.: 1.140 min
Delta R.T.: -0.030 min
Response: 55902656
Conc: 401.92 ug/L



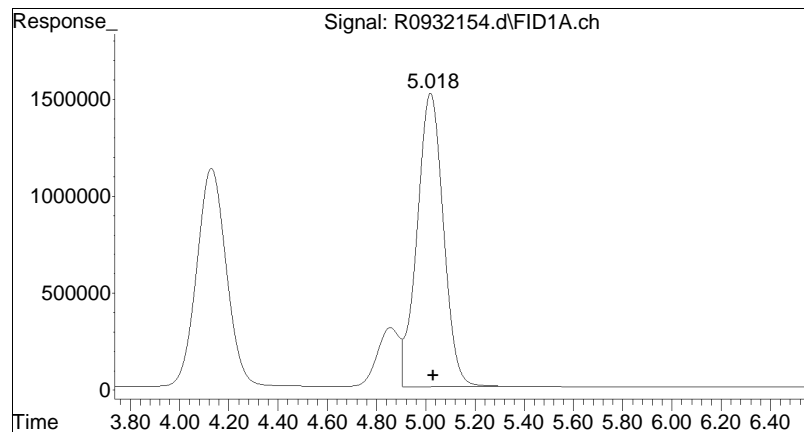
#2 ethene

R.T.: 4.130 min
Delta R.T.: -0.017 min
Response: 94118346
Conc: 727.76 ug/L



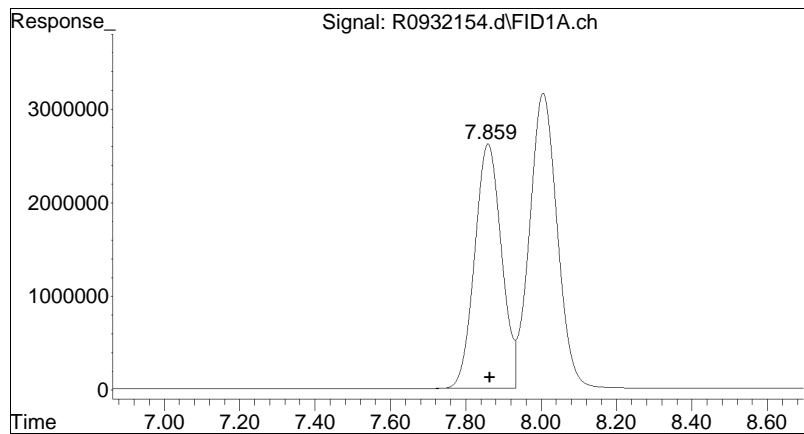
#3 acetylene

R.T.: 4.856 min
Delta R.T.: -0.011 min
Response: 18978388
Conc: 664.04 ug/L



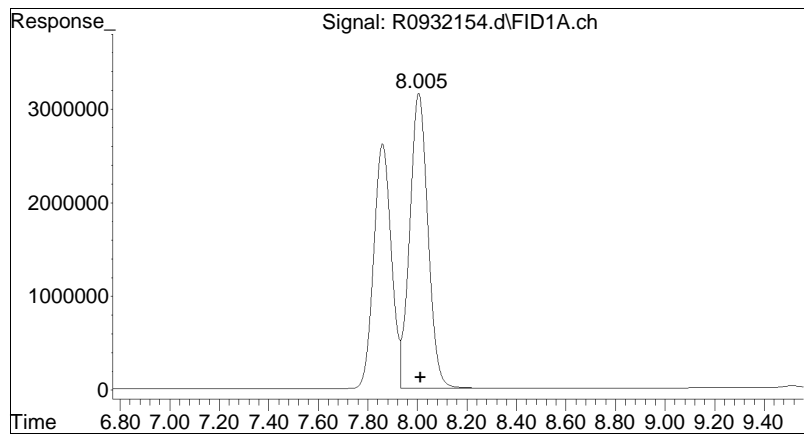
#4 ethane

R.T.: 5.018 min
Delta R.T.: -0.013 min
Response: 112273154
Conc: 787.94 ug/L M4



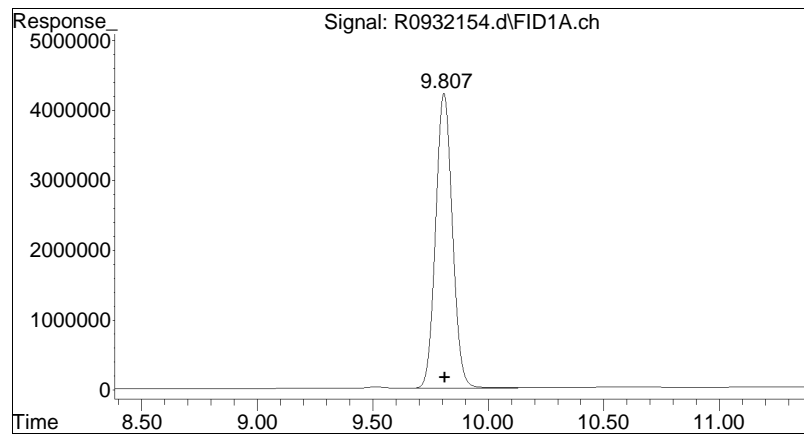
#5 propene

R.T.: 7.860 min
Delta R.T.: -0.004 min
Response: 128495538
Conc: 1150.25 ug/L



#6 propane

R.T.: 8.006 min
Delta R.T.: -0.006 min
Response: 161032025
Conc: 1225.16 ug/L



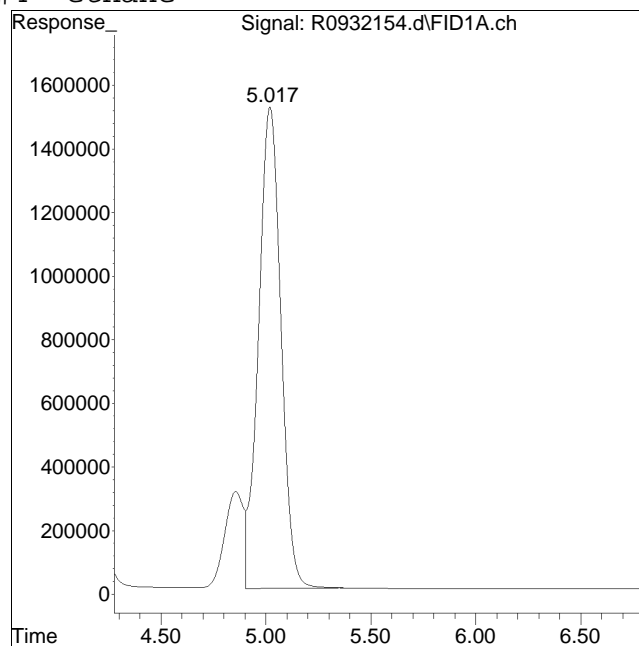
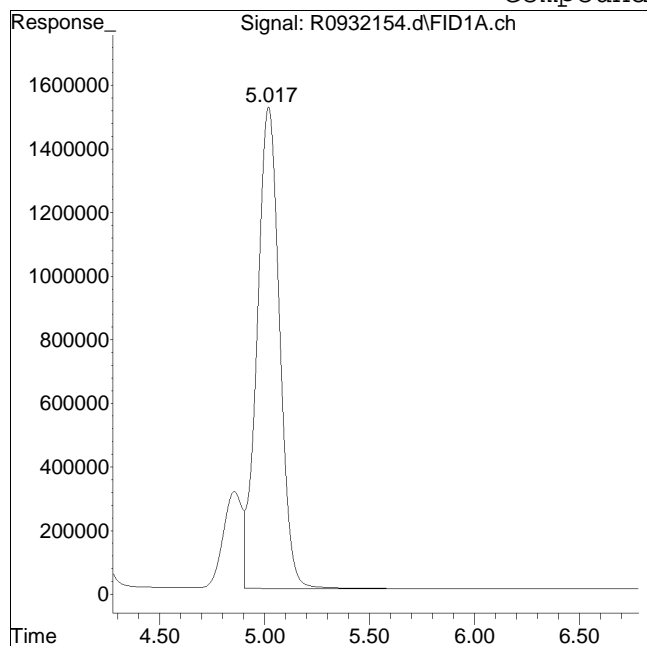
#7 butane

R.T.: 9.809 min
Delta R.T.: -0.005 min
Response: 213519381
Conc: 1736.41 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932154.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD05 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 113142995

Manual Peak Response = 112273154 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932155.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:25 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD06
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:09:02 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.152 | 147425175 | 1059.935 | ug/L |
| 2) ethene | 4.134 | 244234564 | 1888.521 | ug/L M4 |
| 3) acetylene | 4.858 | 53565952 | 1874.244 | ug/L |
| 4) ethane | 5.020 | 288247321 | 2022.925 | ug/L M4 |
| 5) propene | 7.857 | 331409617 | 2966.667 | ug/L |
| 6) propane | 8.003 | 413051233 | 3142.568 | ug/L |
| 7) butane | 9.802 | 542433567 | 4411.256 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

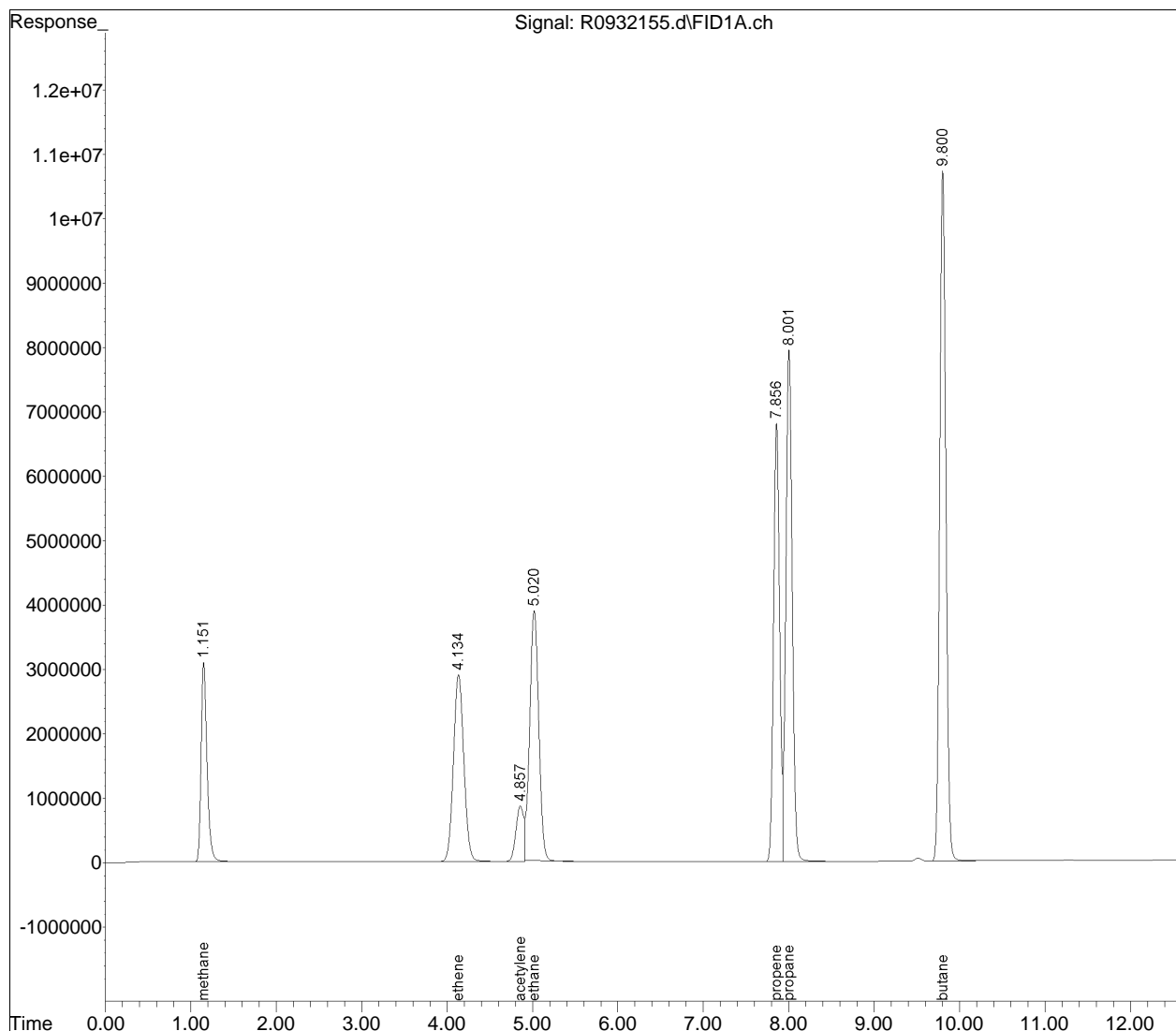
Quantitation Report (QT Reviewed)

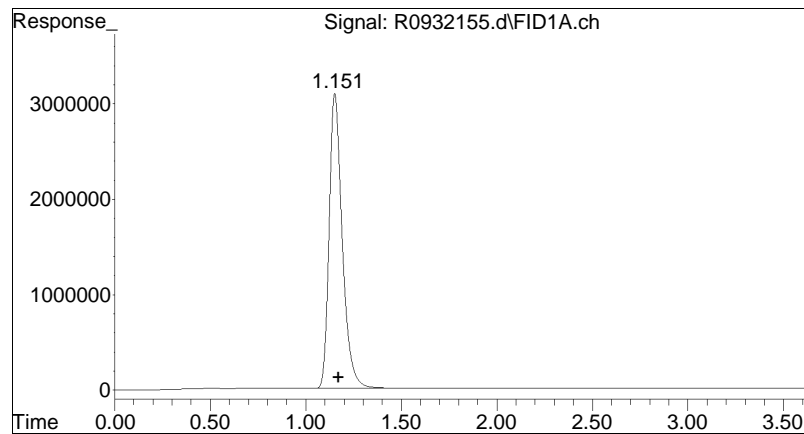
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932155.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:25 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD06
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:09:02 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

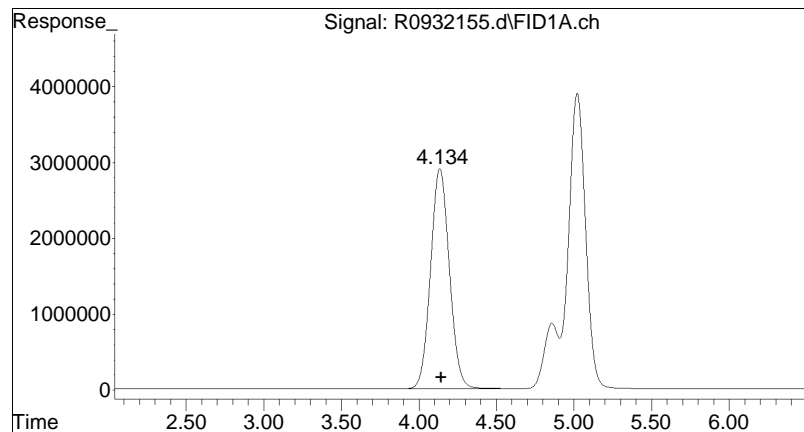
Sub List : Default - All compounds listed





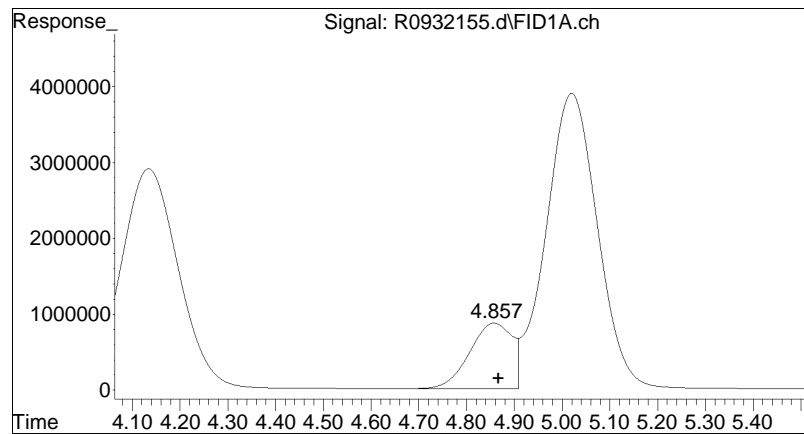
#1 methane

R.T.: 1.152 min
Delta R.T.: -0.018 min
Response: 147425175
Conc: 1059.93 ug/L



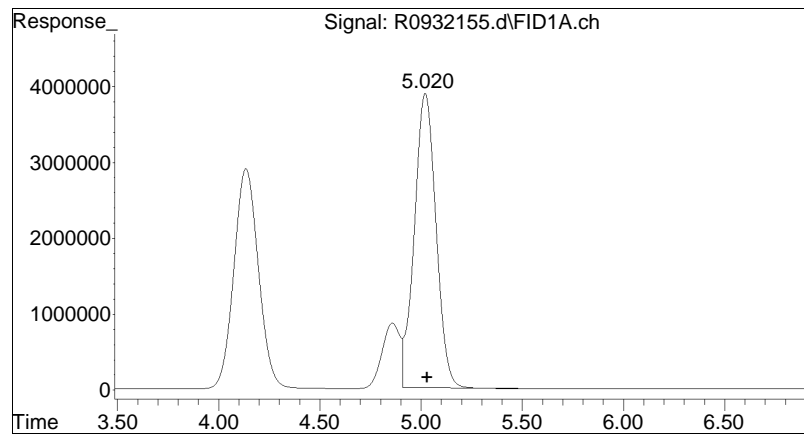
#2 ethene

R.T.: 4.134 min
Delta R.T.: -0.013 min
Response: 244234564
Conc: 1888.52 ug/L M4



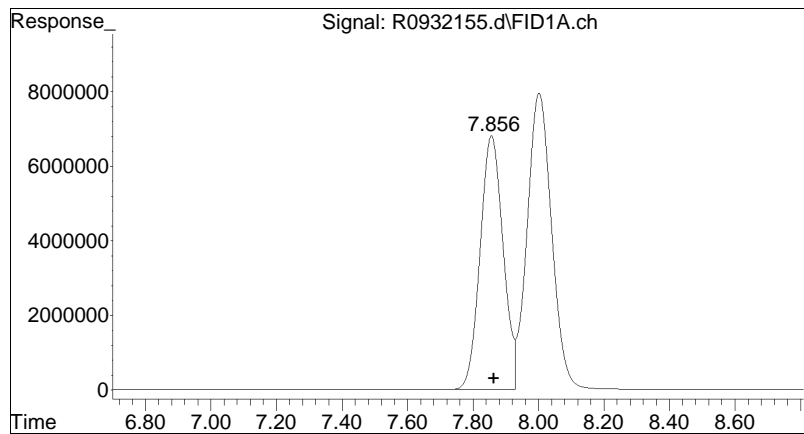
#3 acetylene

R.T.: 4.858 min
Delta R.T.: -0.009 min
Response: 53565952
Conc: 1874.24 ug/L



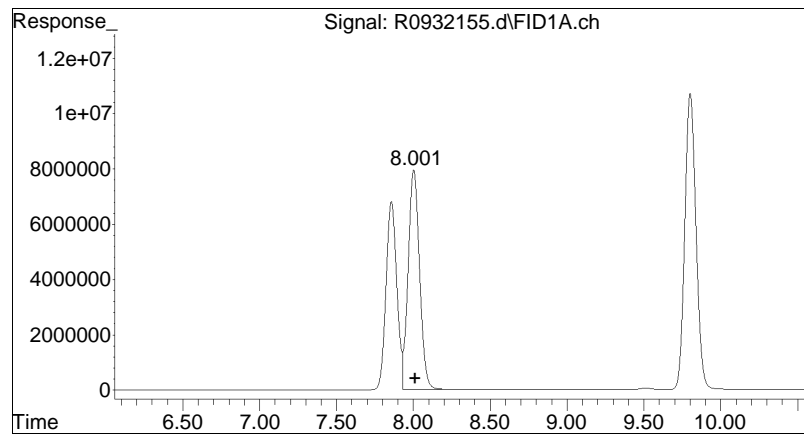
#4 ethane

R.T.: 5.020 min
Delta R.T.: -0.012 min
Response: 288247321
Conc: 2022.93 ug/L M4



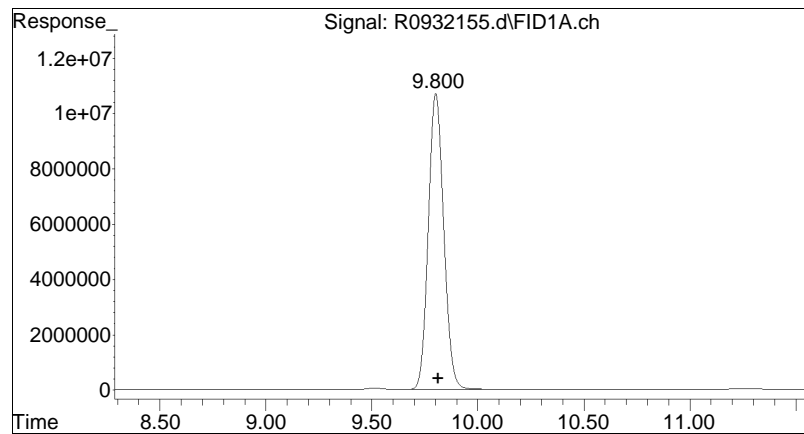
#5 propene

R.T.: 7.857 min
Delta R.T.: -0.007 min
Response: 331409617
Conc: 2966.67 ug/L



#6 propane

R.T.: 8.003 min
Delta R.T.: -0.010 min
Response: 413051233
Conc: 3142.57 ug/L



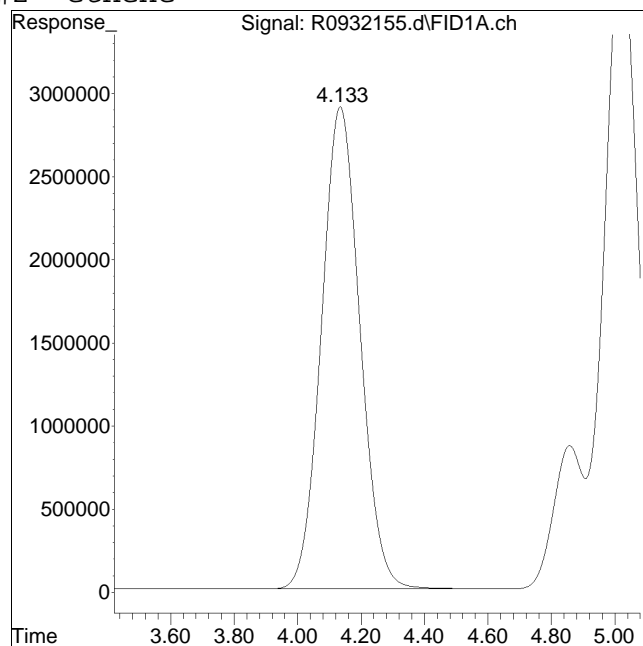
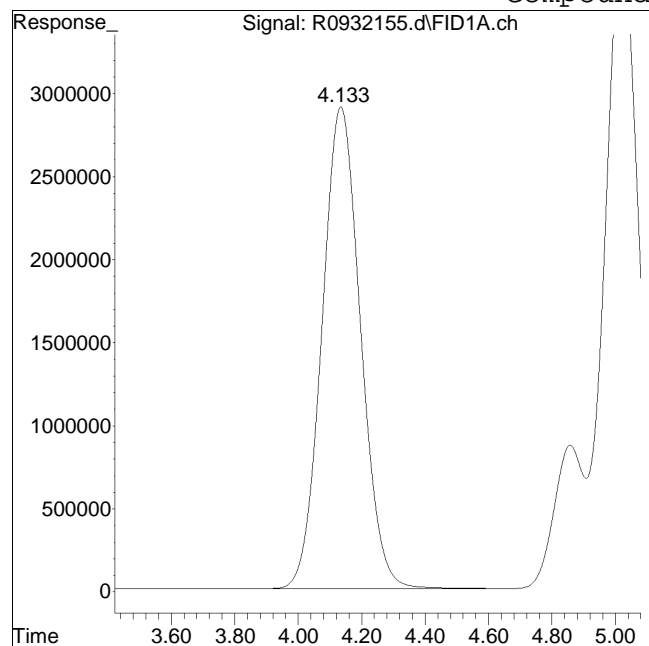
#7 butane

R.T.: 9.802 min
Delta R.T.: -0.011 min
Response: 542433567
Conc: 4411.26 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932155.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD06 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 245220350

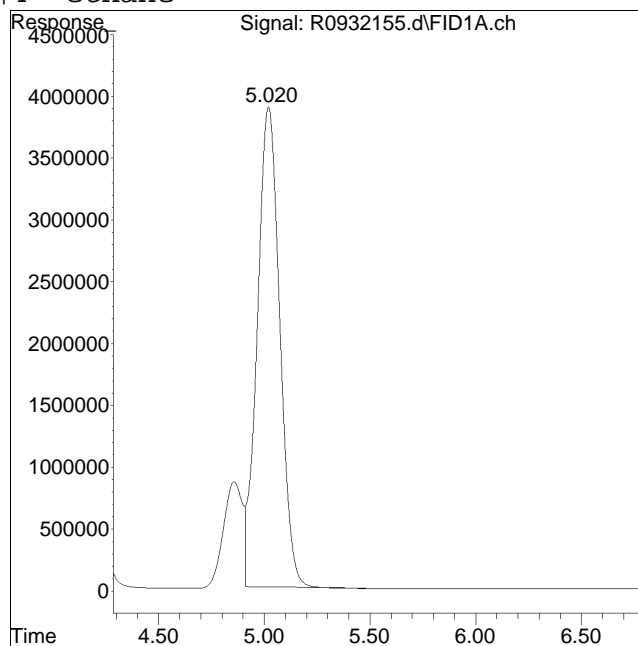
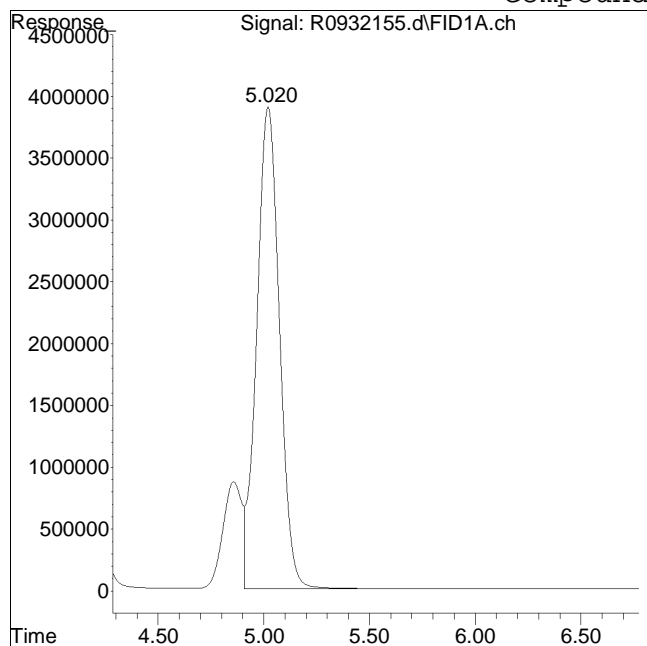
Manual Peak Response = 244234564 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932155.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 5 Instrument : Airlab9
Sample : IDISSGASSTD06 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 293182906

Manual Peak Response = 288247321 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932156.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 5:44 pm
 Operator : AIRLAB9:AR
 Sample : IDISSGASSTD07
 Misc : WG1369720
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:10:30 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:01:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|------------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.169 | 339117932 | 2438.138 | ug/L |
| 2) ethene | 4.132 | 561809865 | 4344.142 | ug/L M4 |
| 3) acetylene | 4.855 | 142335258 | 4980.234 | ug/L |
| 4) ethane | 5.014 | 665202592 | 4668.405 | ug/L M4 |
| 5) propene | 7.846 | 746622895 | 6683.515 | ug/L |
| 6) propane | 7.990 | 916853641 | 6975.587 | ug/L M4 |
| 7) butane | 9.790 | 1170617248 | 9519.862 | ug/L |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

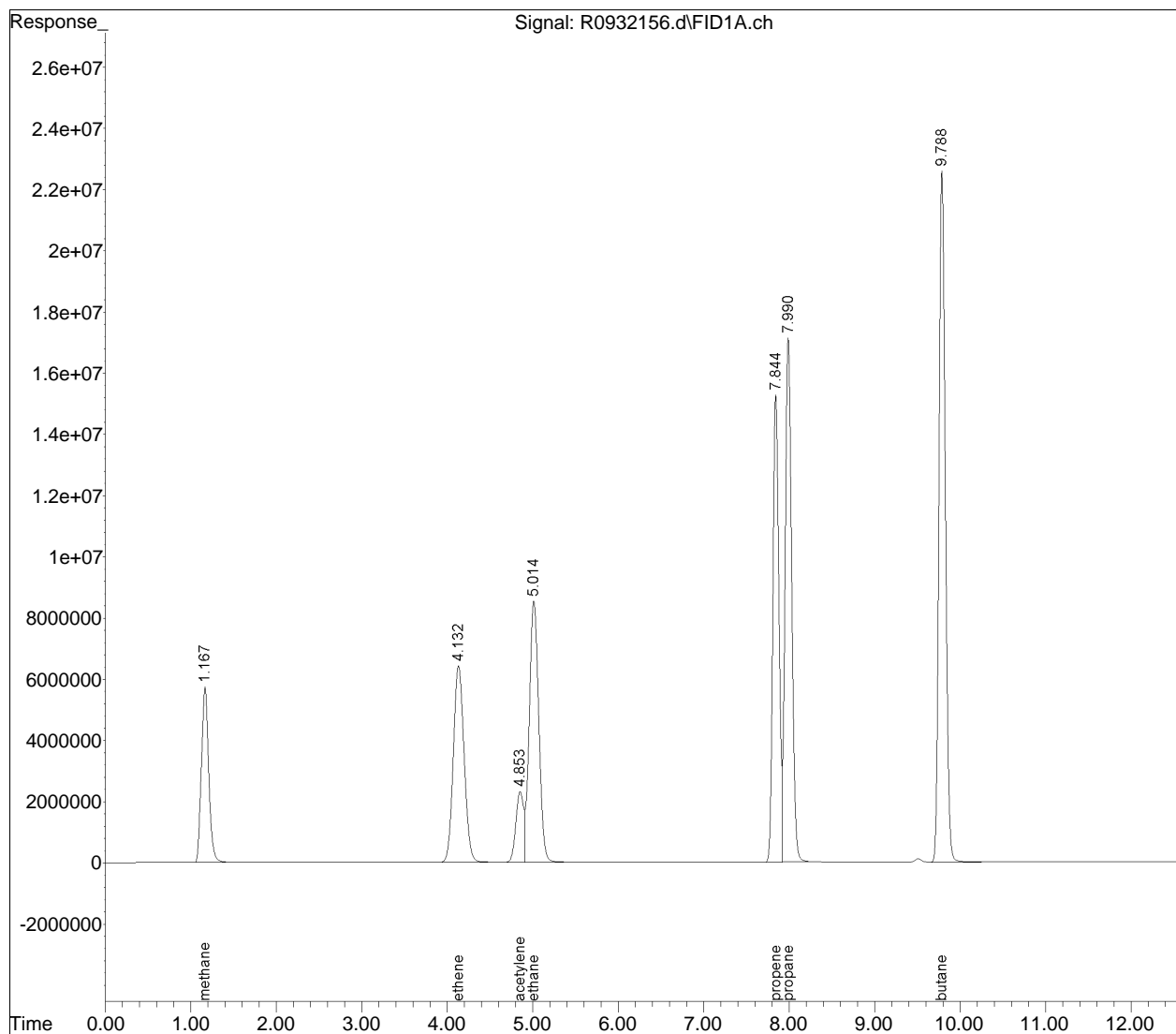
Quantitation Report (QT Reviewed)

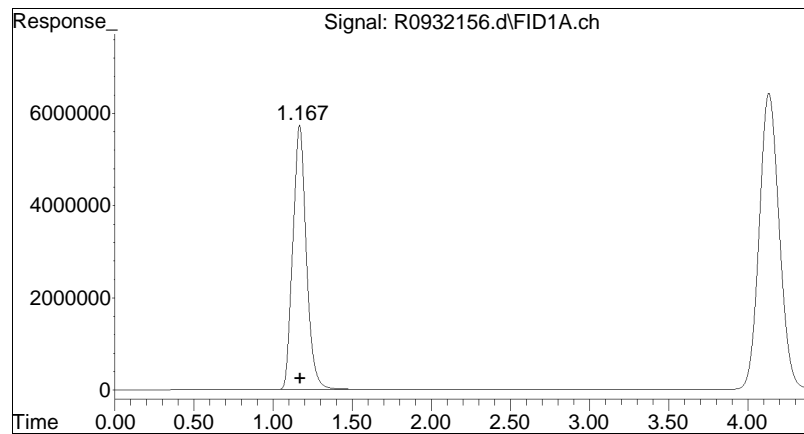
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932156.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 5:44 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD07
Misc : WG1369720
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:10:30 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

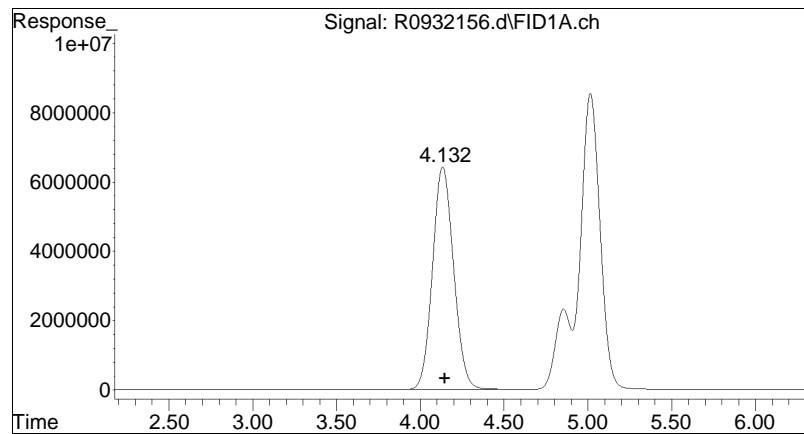
Sub List : Default - All compounds listed





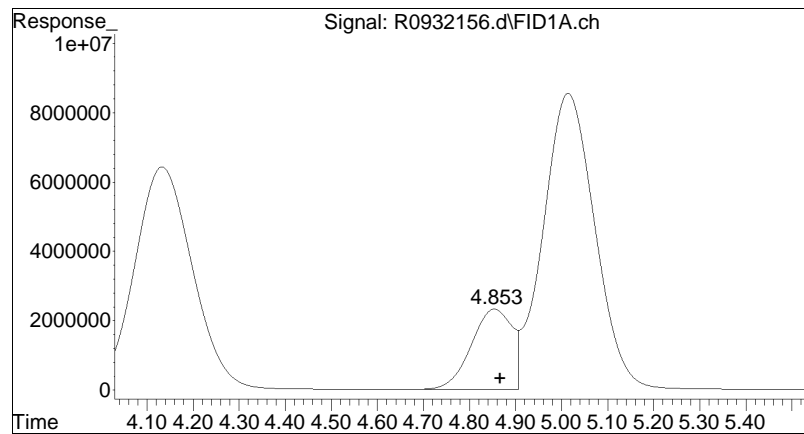
#1 methane

R.T.: 1.169 min
Delta R.T.: -0.001 min
Response: 339117932
Conc: 2438.14 ug/L



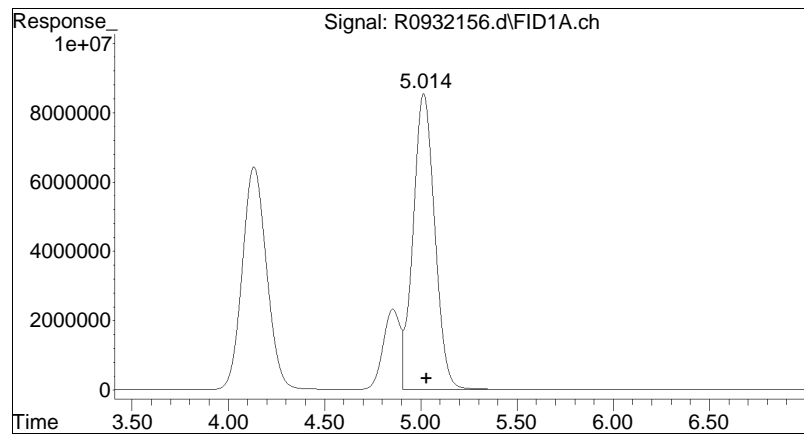
#2 ethene

R.T.: 4.132 min
Delta R.T.: -0.014 min
Response: 561809865
Conc: 4344.14 ug/L M4



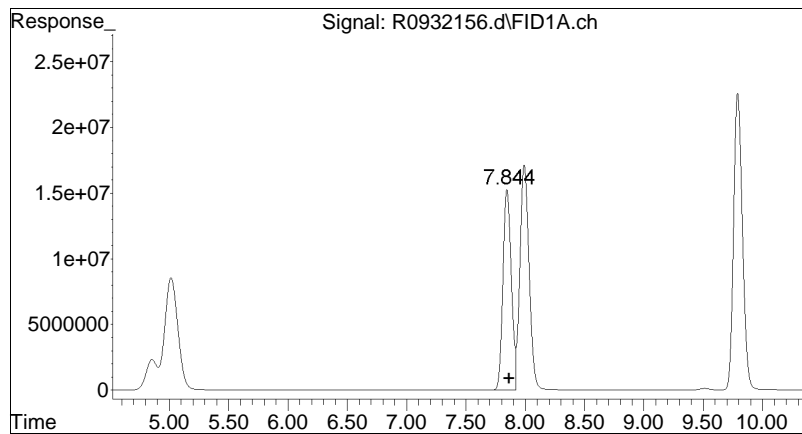
#3 acetylene

R.T.: 4.855 min
Delta R.T.: -0.012 min
Response: 142335258
Conc: 4980.23 ug/L



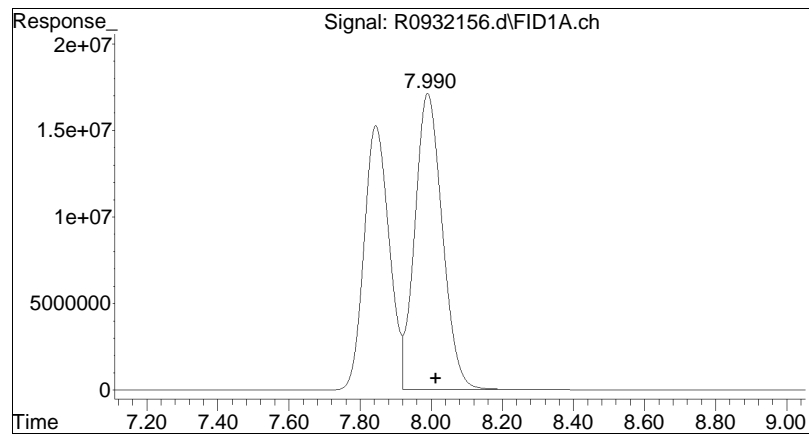
#4 ethane

R.T.: 5.014 min
Delta R.T.: -0.018 min
Response: 665202592
Conc: 4668.40 ug/L M4



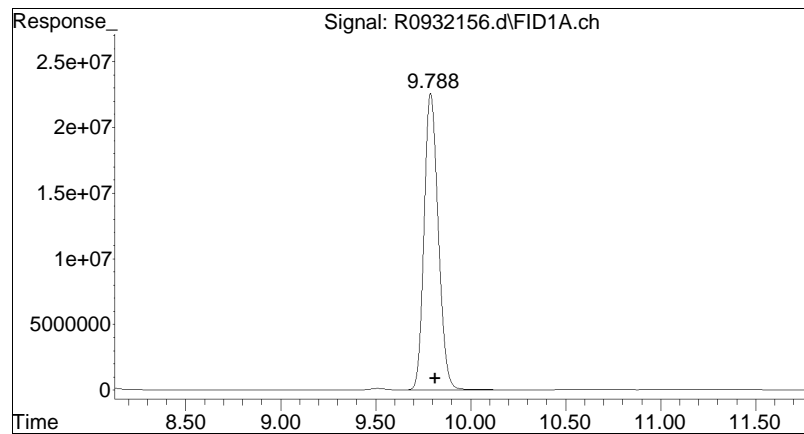
#5 propene

R.T.: 7.846 min
Delta R.T.: -0.018 min
Response: 746622895
Conc: 6683.52 ug/L



#6 propane

R.T.: 7.990 min
Delta R.T.: -0.023 min
Response: 916853641
Conc: 6975.59 ug/L M4



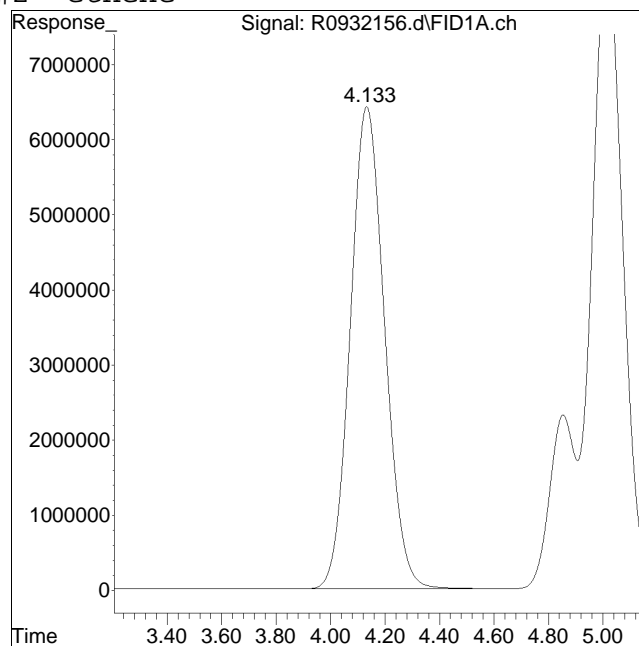
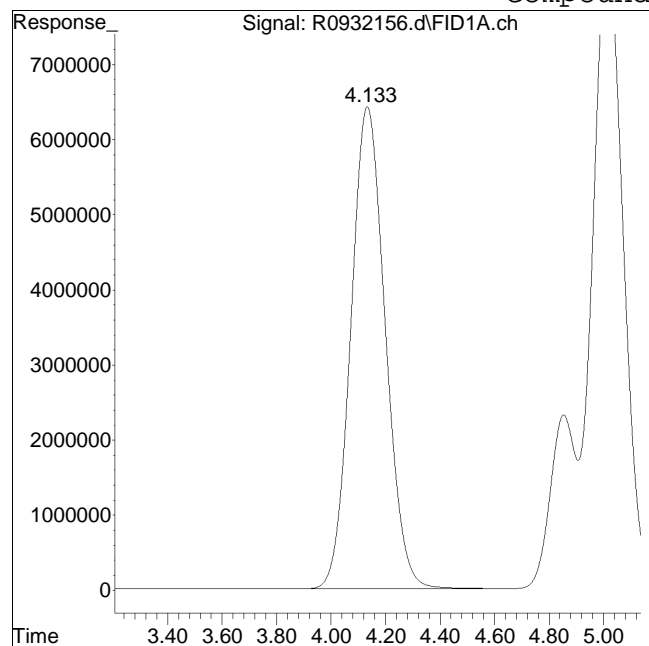
#7 butane

R.T.: 9.790 min
Delta R.T.: -0.023 min
Response: 1170617248
Conc: 9519.86 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #2: ethene



Original Peak Response = 564039362

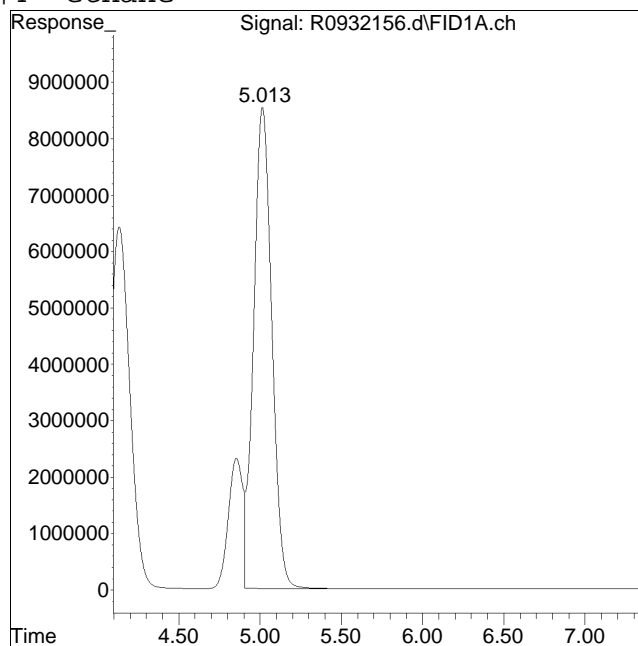
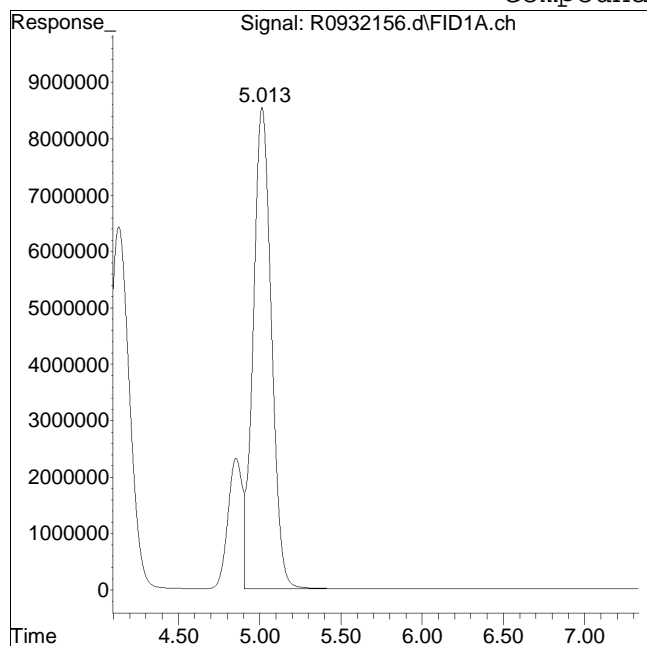
Manual Peak Response = 561809865 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #4: ethane



Original Peak Response = 669657740

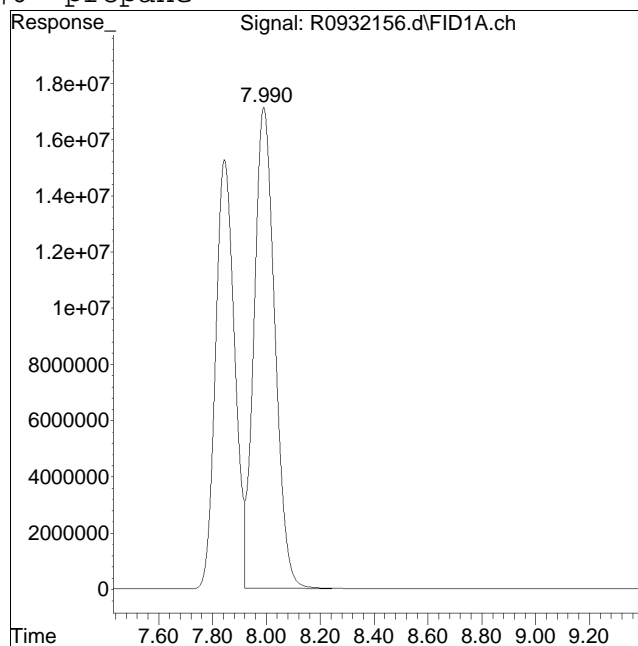
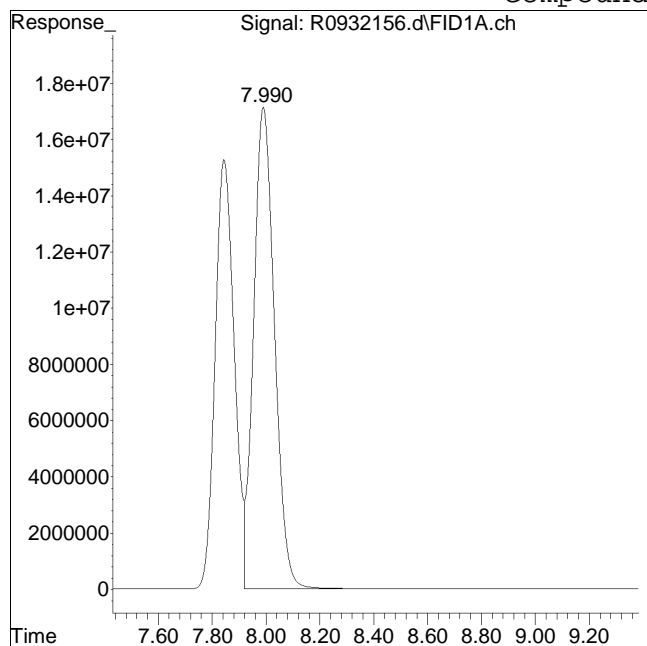
Manual Peak Response = 665202592 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932156.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:5: 4 Instrument : Airlab9
Sample : IDISSGASSTD07 Quant Date : 5/12/2020 7:02 am

Compound #6: propane



Original Peak Response = 925080415

Manual Peak Response = 916853641 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932157.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 6:04 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD08
Misc : WG1369720
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:11:41 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : methane_only - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|------------|----------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.155 | 3054682180 | 21962.081 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

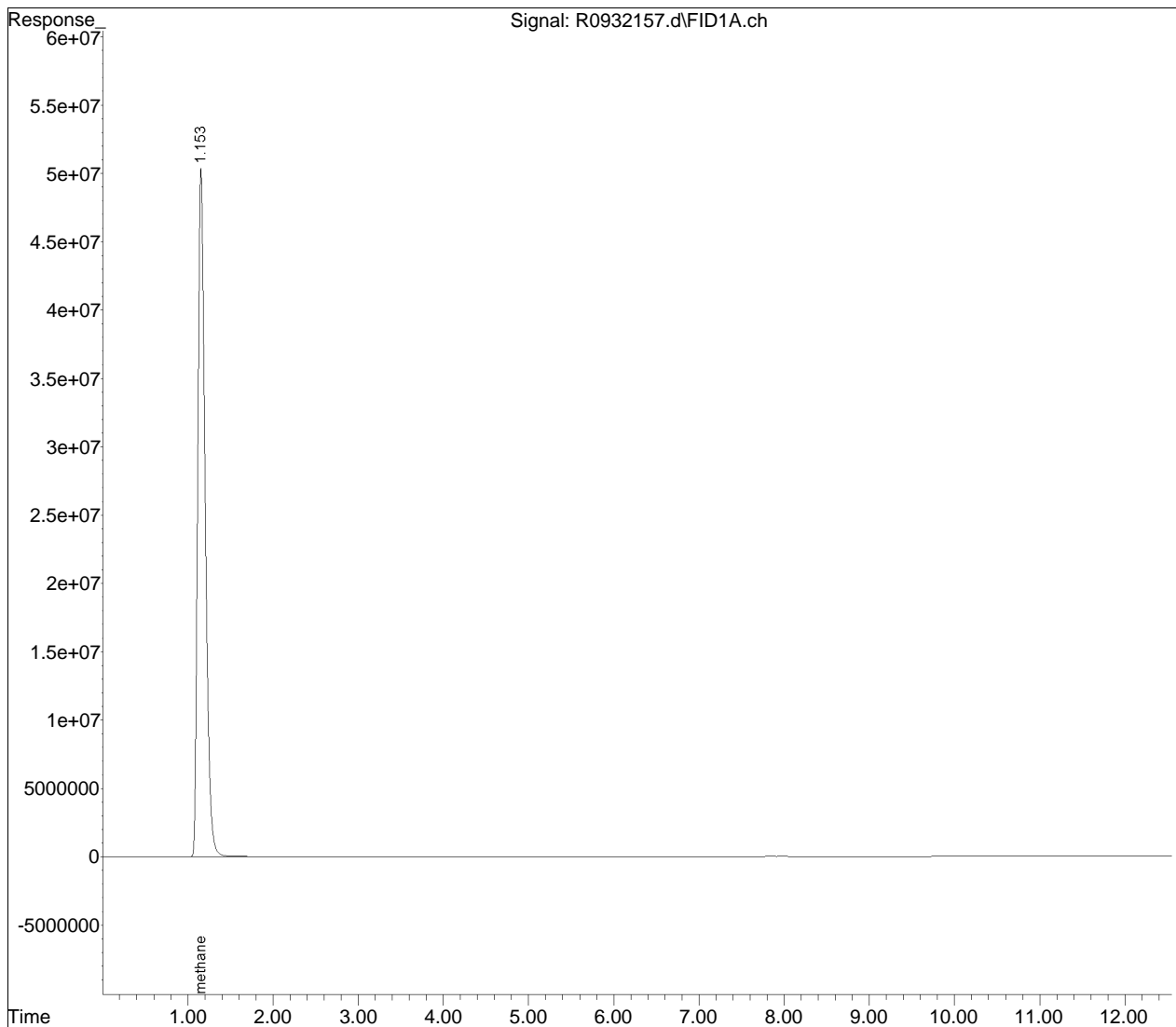
Quantitation Report (QT Reviewed)

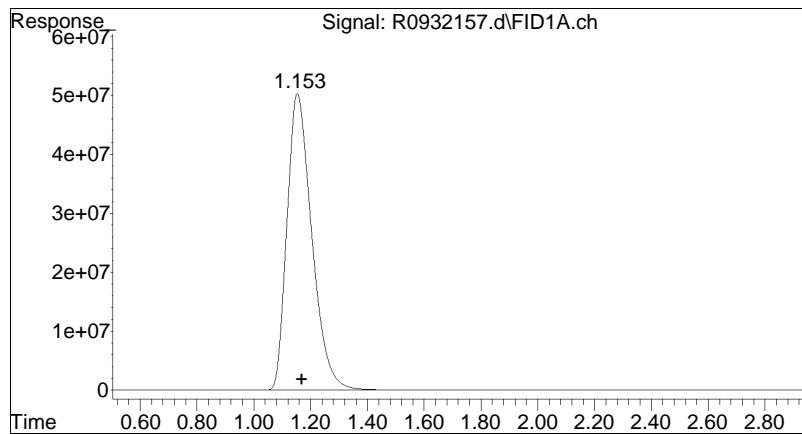
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932157.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 6:04 pm
Operator : AIRLAB9:AR
Sample : IDISSGASSTD08
Misc : WG1369720
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:11:41 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:01:27 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : methane_only - All compounds listed





#1 methane

R.T.: 1.155 min
Delta R.T.: -0.015 min
Response: 3054682180
Conc: 21962.08 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932157.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 4 Instrument : Airlab9
Sample : IDISSGASSTD08 Quant Date : 5/12/2020 7:02 am

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932159.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 6:38 pm
 Operator : AIRLAB9:AR
 Sample : CDISSGASTD04
 Misc : WG1369720
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:15:18 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|------|-------|----------|
| 1 | methane | * 54.600 | 56.625 | -3.7 | 102 | 0.00 |
| 2 | ethene | * 95.500 | 91.078 | 4.6 | 104 | 0.00 |
| 3 | acetylene | * 88.700 | 90.556 | -2.1 | 106 | 0.00 |
| 4 | ethane | *102.000 | 100.449 | 1.5 | 108 | 0.00 |
| 5 | propene | *143.000 | 141.616 | 1.0 | 114 | 0.00 |
| 6 | propane | *150.000 | 152.280 | -1.5 | 115 | 0.00 |
| 7 | butane | *198.000 | 192.957 | 2.5 | 115 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2020\200511DG_I\
 Data File : R0932159.d
 Signal(s) : FID1A.ch
 Acq On : 11 May 2020 6:38 pm
 Operator : AIRLAB9:AR
 Sample : CDISSGASTD04
 Misc : WG1369720
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 12 07:15:18 2020
 Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|----------|---------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.171 | 7923957 | 56.625 | ug/L M4 |
| 2) ethene | 4.148 | 12983783 | 91.078 | ug/L M4 |
| 3) acetylene | 4.868 | 2692330 | 90.556 | ug/L M4 |
| 4) ethane | 5.034 | 15811807 | 100.449 | ug/L |
| 5) propene | 7.866 | 17963803 | 141.616 | ug/L |
| 6) propane | 8.012 | 22708071 | 152.280 | ug/L |
| 7) butane | 9.811 | 28044598 | 192.957 | ug/L M4 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

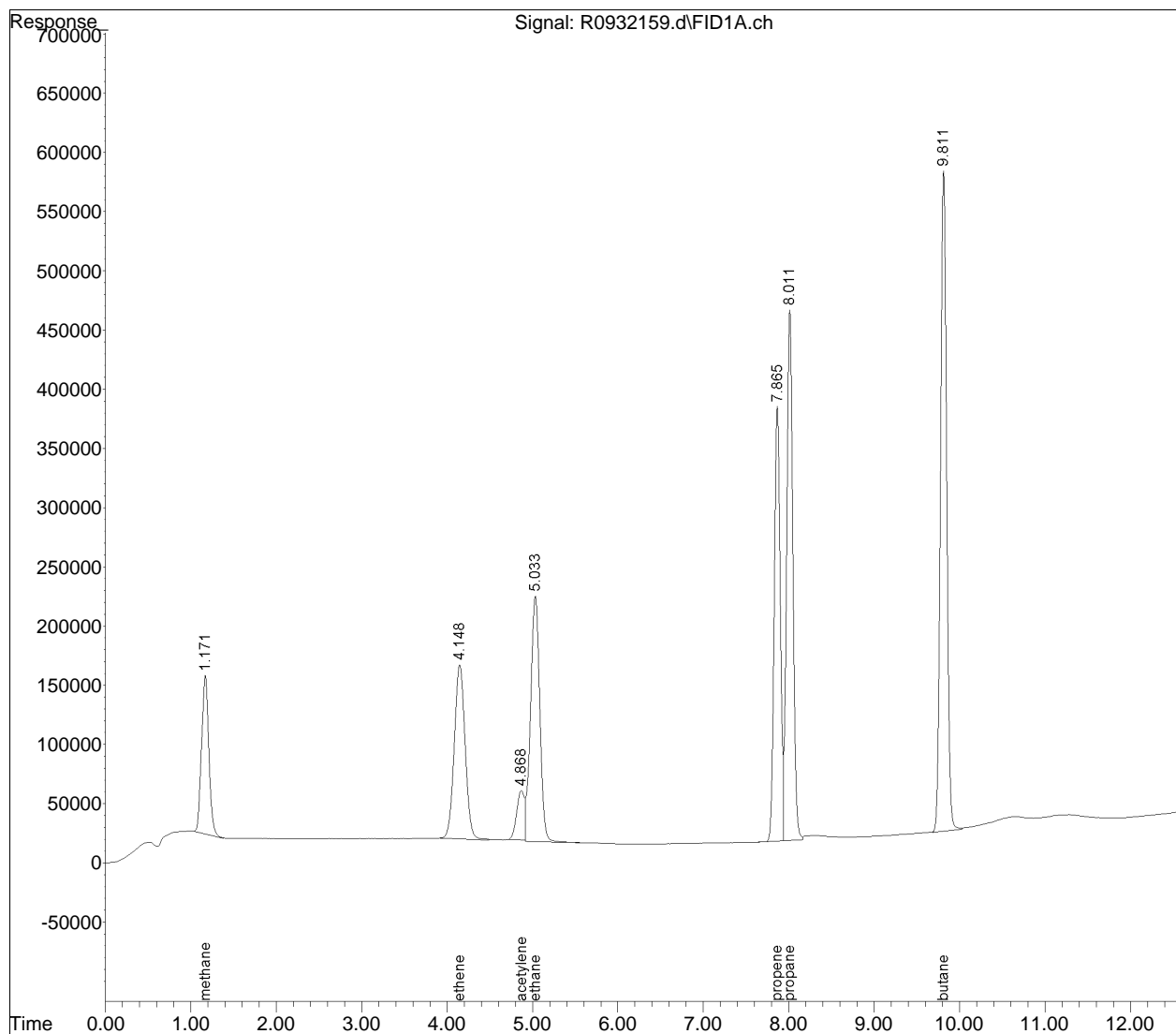
Quantitation Report (QT Reviewed)

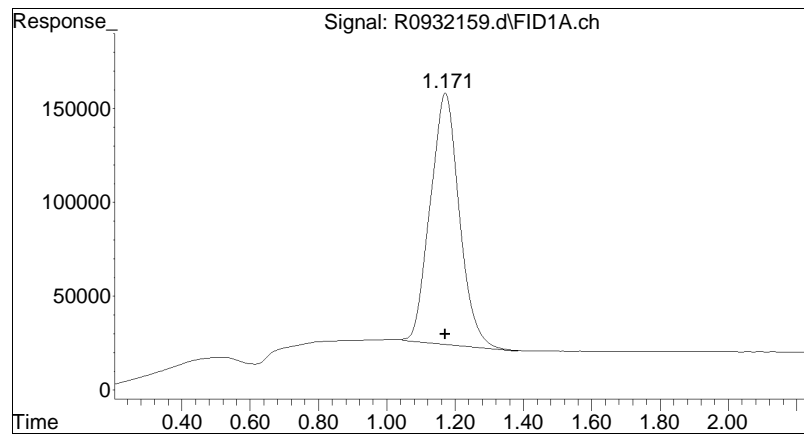
Data Path : O:\Forensics\Data\airlab9\2020\200511DG_I\
Data File : R0932159.d
Signal(s) : FID1A.ch
Acq On : 11 May 2020 6:38 pm
Operator : AIRLAB9:AR
Sample : CDISSGASTD04
Misc : WG1369720
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 12 07:15:18 2020
Quant Method : O:\Forensics\Data\airlab9\2020\200511DG_I\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

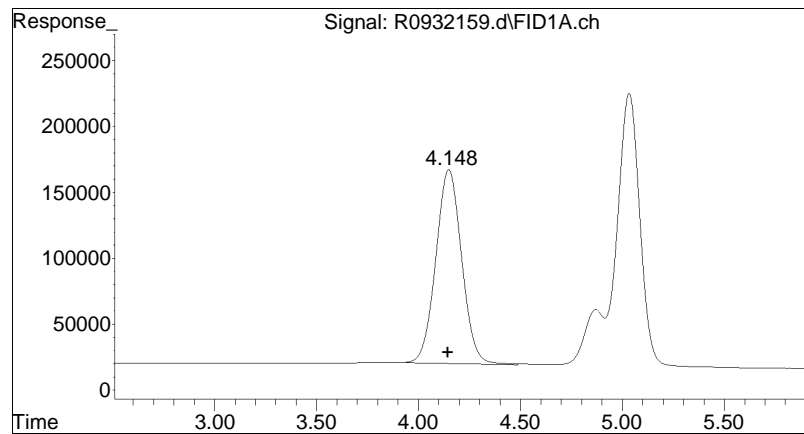
Sub List : Default - All compounds listed





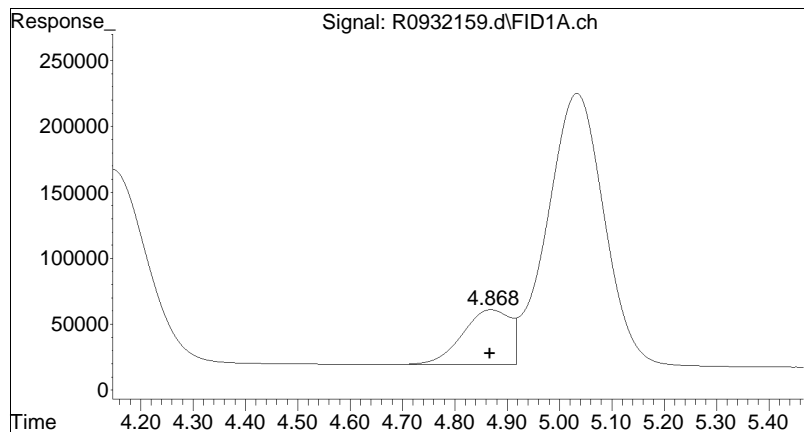
#1 methane

R.T.: 1.171 min
Delta R.T.: 0.000 min
Response: 7923957
Conc: 56.62 ug/L M4



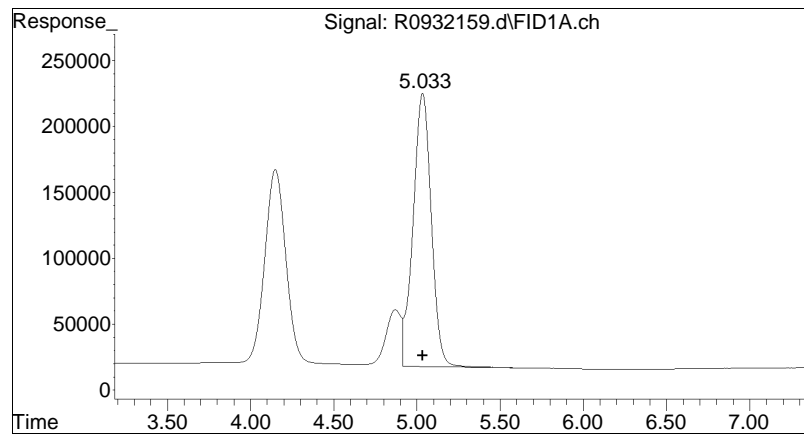
#2 ethene

R.T.: 4.148 min
Delta R.T.: 0.000 min
Response: 12983783
Conc: 91.08 ug/L M4



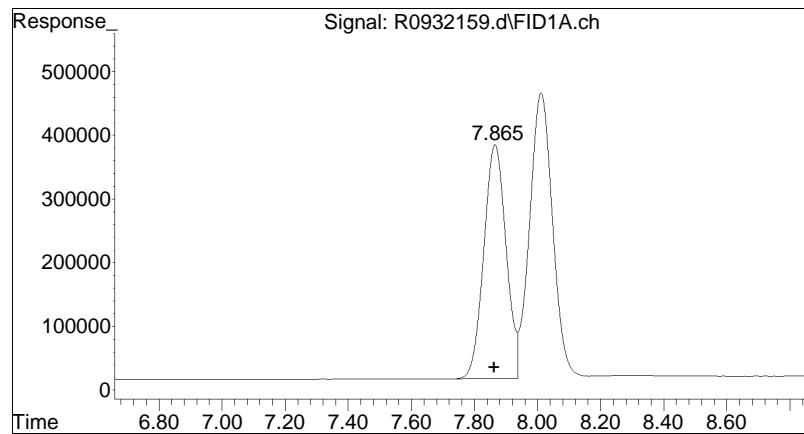
#3 acetylene

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 2692330
Conc: 90.56 ug/L M4



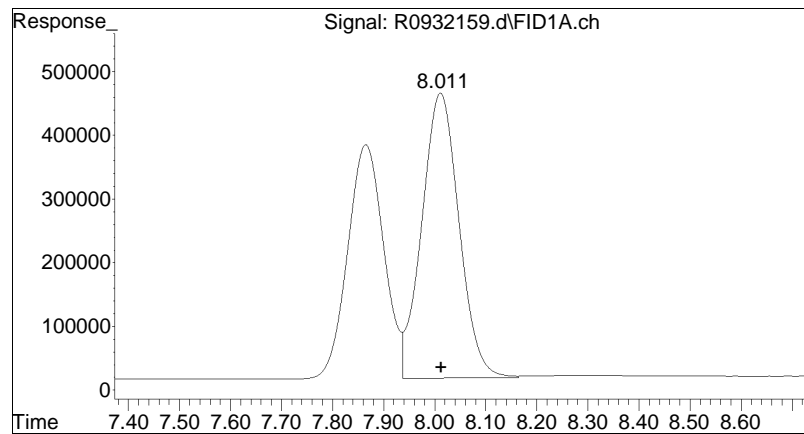
#4 ethane

R.T.: 5.034 min
Delta R.T.: 0.003 min
Response: 15811807
Conc: 100.45 ug/L



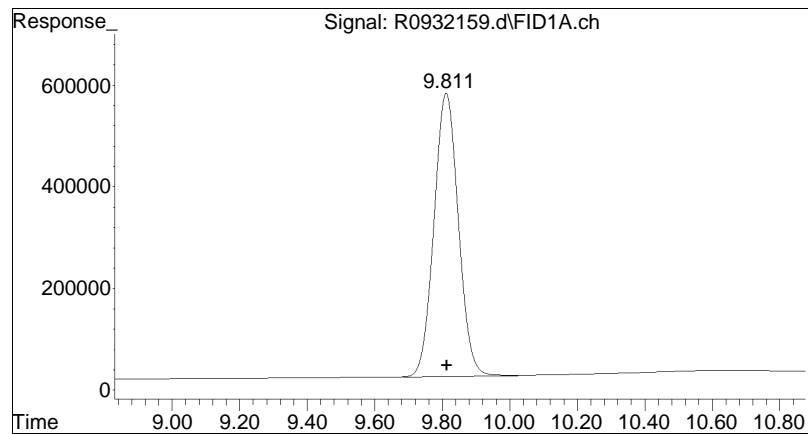
#5 propene

R.T.: 7.866 min
Delta R.T.: 0.002 min
Response: 17963803
Conc: 141.62 ug/L



#6 propane

R.T.: 8.012 min
Delta R.T.: 0.000 min
Response: 22708071
Conc: 152.28 ug/L



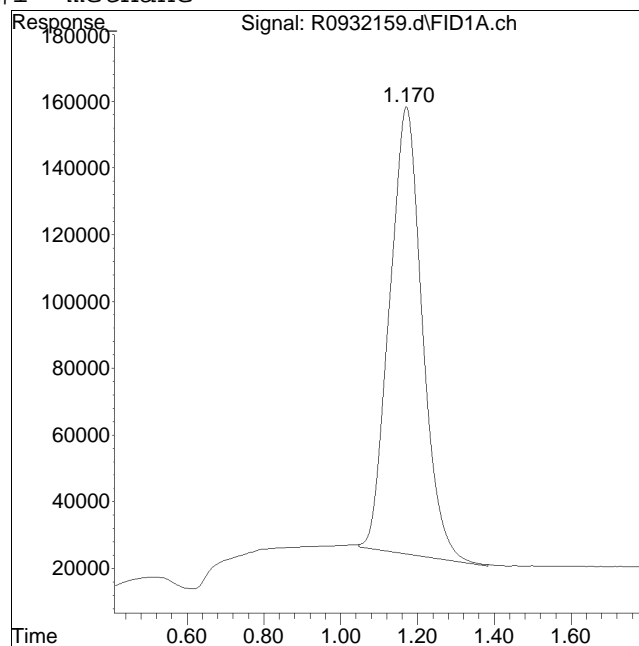
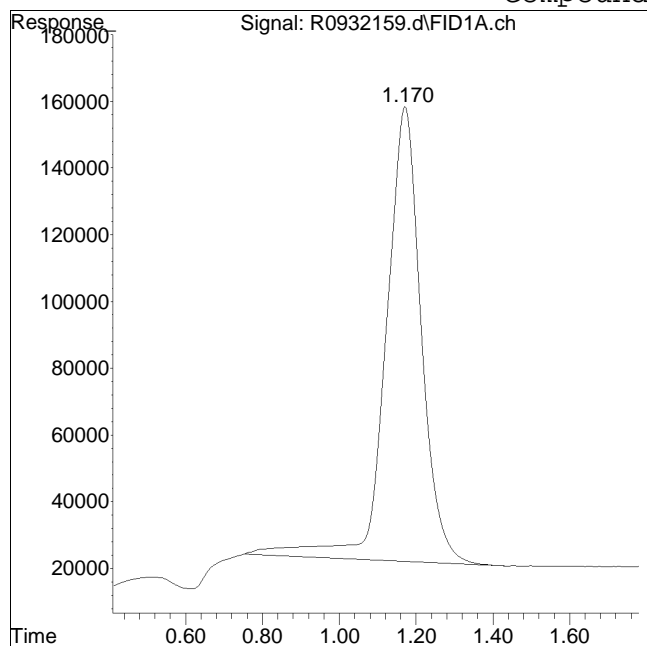
#7 butane

R.T.: 9.811 min
Delta R.T.: -0.002 min
Response: 28044598
Conc: 192.96 ug/L M4

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #1: methane



Original Peak Response = 8755782

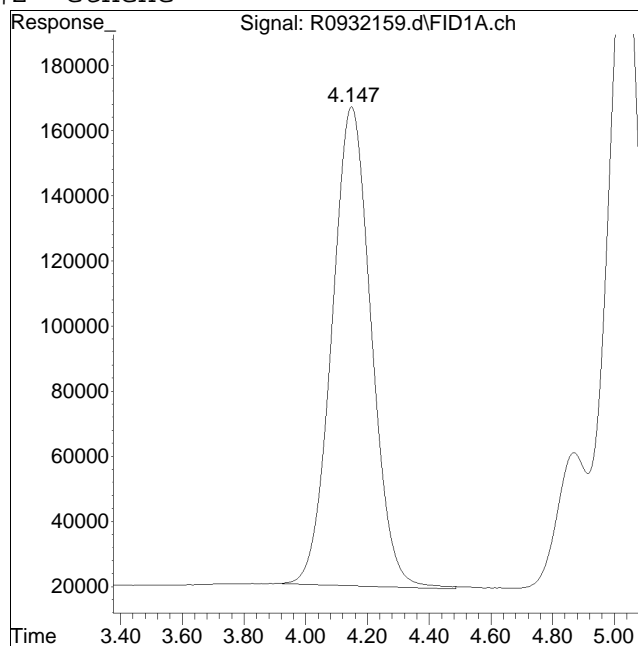
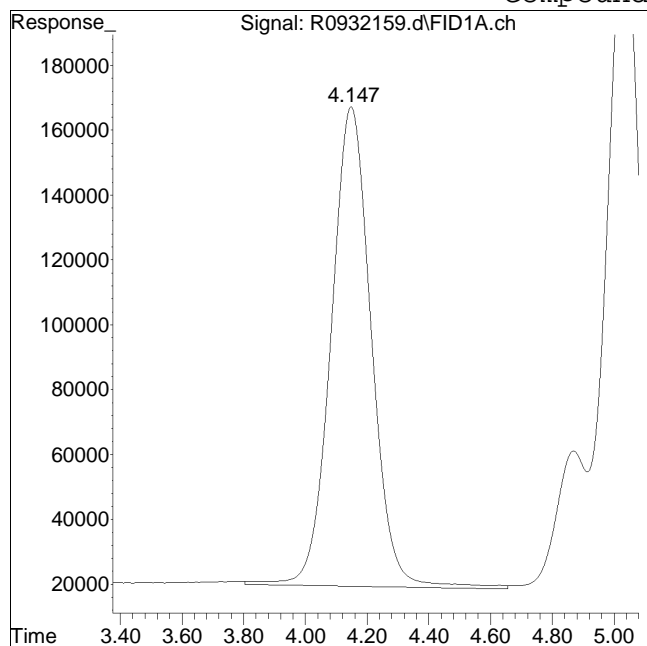
Manual Peak Response = 7923957 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #2: ethene



Original Peak Response = 13424246

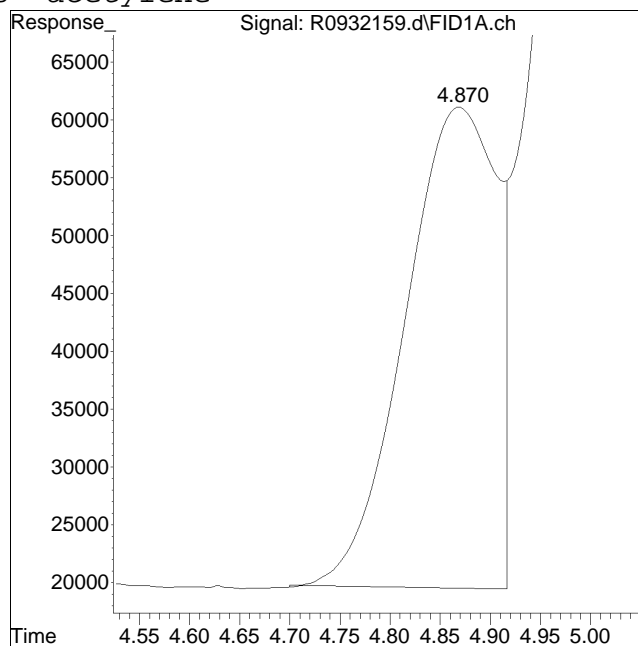
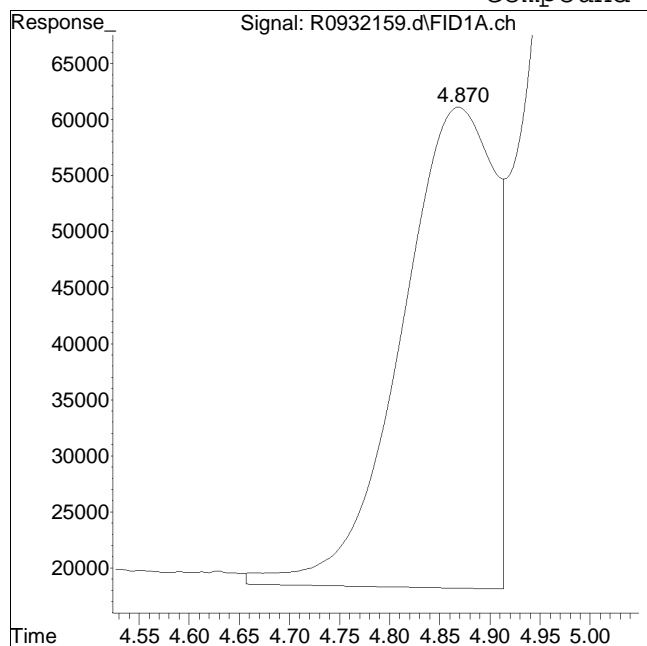
Manual Peak Response = 12983783 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #3: acetylene



Original Peak Response = 2762837

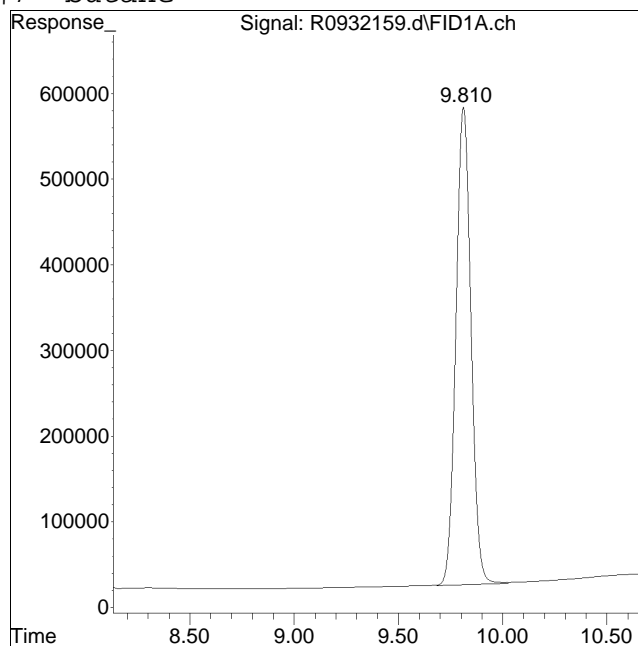
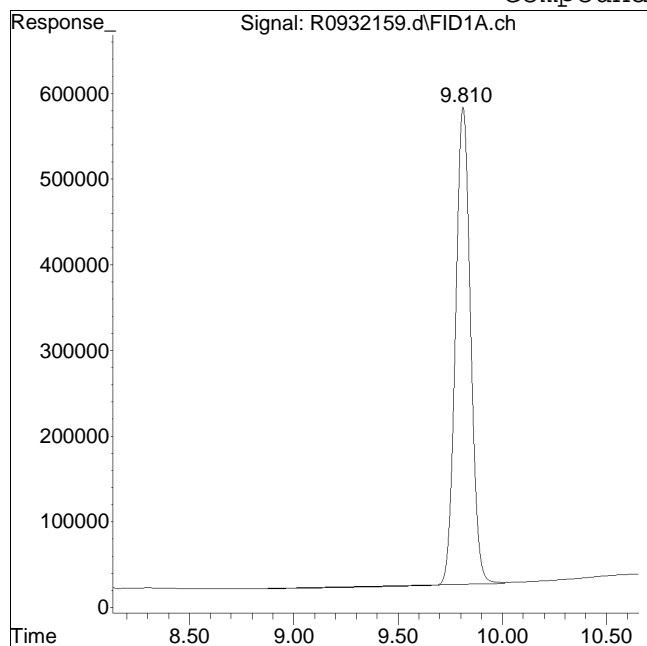
Manual Peak Response = 2692330 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0932159.d Operator : AIRLAB9:AR
Date Inj'd : 5/11/2020 0:6: 8 Instrument : Airlab9
Sample : CDISSGASTD04 Quant Date : 5/12/2020 7:14 am

Compound #7: butane



Original Peak Response = 27640079

Manual Peak Response = 28044598 M4

M4 = Poor automated baseline construction.

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : AIRLAB9
Lab File ID : R0945159
Sample No : WG1720412-1
Channel :

Lab Number : L2267729
Project Number : 0047.0044Y047
Calibration Date : 12/07/22 08:27
Init. Calib. Date(s) : 05/11/20 05/11/20
Init. Calib. Times : 15:46 18:04

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|-----------|----------|---------|---------|------|--------|-------|----------|
| methane | 54.6 | 57.053 | - | -4.5 | 20 | 103 | 0 |
| ethene | 95.5 | 93.898 | - | 1.7 | 20 | 107 | .07 |
| acetylene | 88.7 | 80.43 | - | 9.3 | 20 | 94 | .06 |
| ethane | 102 | 98.864 | - | 3.1 | 20 | 106 | .06 |
| propene | 143 | 139.854 | - | 2.2 | 20 | 113 | .02 |
| propane | 150 | 149.271 | - | 0.5 | 20 | 113 | .02 |
| butane | 198 | 194.01 | - | 2 | 20 | 116 | 0 |

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945159.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-1,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:57:38 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(Min) |
|---|-----------|---------|---------|------|-------|----------|
| 1 | methane | 54.600 | 57.053 | -4.5 | 103 | 0.00 |
| 2 | ethene | 95.500 | 93.898 | 1.7 | 107 | 0.07 |
| 3 | acetylene | 88.700 | 80.430 | 9.3 | 94 | 0.06 |
| 4 | ethane | 102.000 | 98.864 | 3.1 | 106 | 0.06 |
| 5 | propene | 143.000 | 139.854 | 2.2 | 113 | 0.02 |
| 6 | propane | 150.000 | 149.271 | 0.5 | 113 | 0.02 |
| 7 | butane | 198.000 | 194.010 | 2.0 | 116 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945159.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-1,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:57:38 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7983876 | 57.053 ug/L |
| 2) ethene | 4.213 | 13385746 | 93.898 ug/L |
| 3) acetylene | 4.929 | 2391272 | 80.430 ug/L |
| 4) ethane | 5.087 | 15562176 | 98.864 ug/L |
| 5) propene | 7.888 | 17740247 | 139.854 ug/L |
| 6) propane | 8.030 | 22259457 | 149.271 ug/L |
| 7) butane | 9.819 | 28197688 | 194.010 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

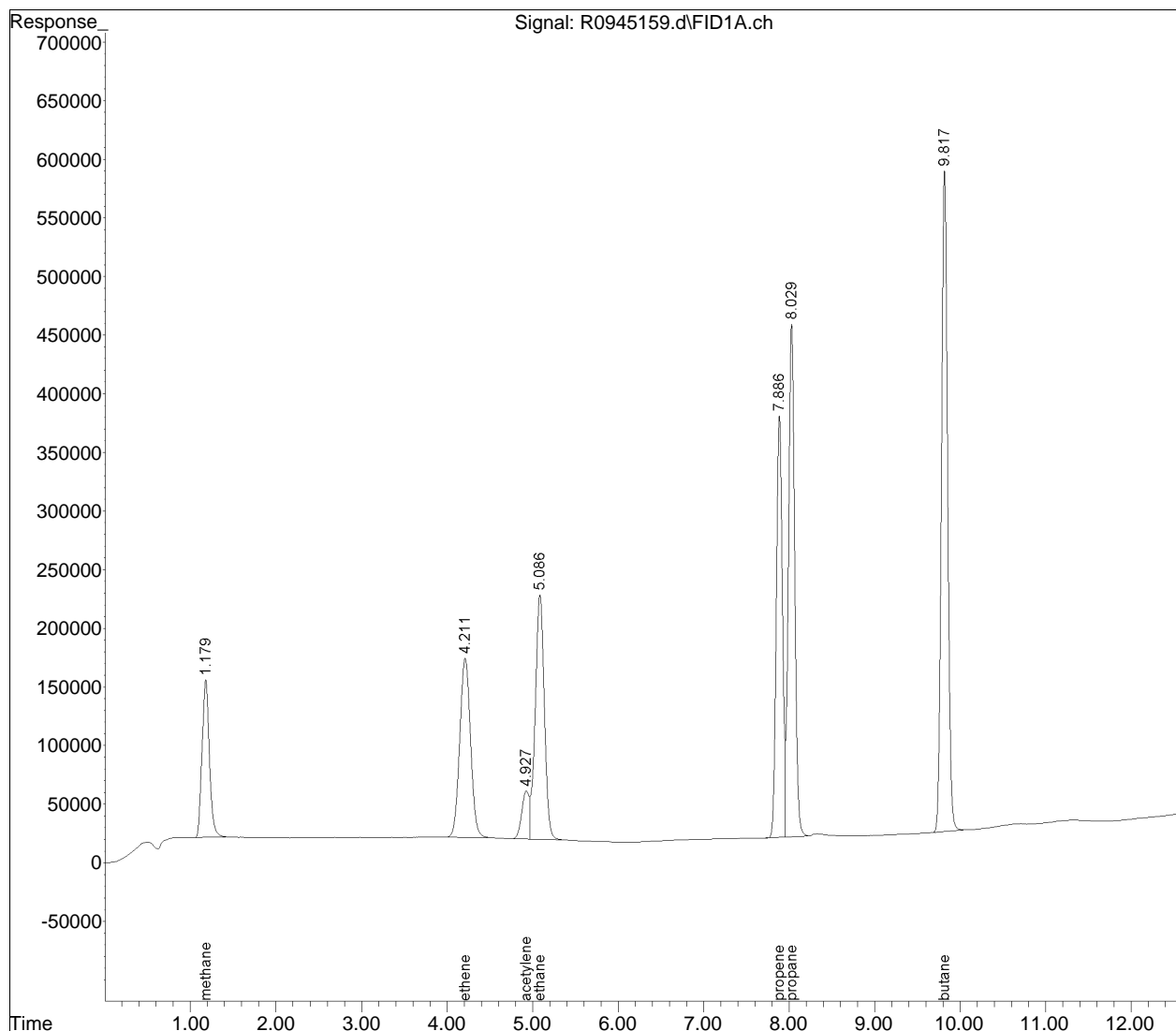
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945159.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 8:27 am
Operator : AIRLAB9:BJB
Sample : WG1720412-1,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 09:57:38 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945159.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:27 am Instrument : Airlab9
Sample : WG1720412-1,4,0.5,0.5 Quant Date : 12/7/2022 9:57 am

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

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945177.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 4:47 pm
 Operator : AIRLAB9:BJB
 Sample : WG1720412-6,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 17:01:16 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|-------|-------|----------|
| 1 | methane | * 54.600 | 61.101 | -11.9 | 110 | 0.00 |
| 2 | ethene | * 95.500 | 97.810 | -2.4 | 111 | 0.07 |
| 3 | acetylene | * 88.700 | 88.982 | -0.3 | 104 | 0.06 |
| 4 | ethane | *102.000 | 102.809 | -0.8 | 110 | 0.06 |
| 5 | propene | *143.000 | 143.609 | -0.4 | 116 | 0.02 |
| 6 | propane | *150.000 | 153.126 | -2.1 | 116 | 0.02 |
| 7 | butane | *198.000 | 190.709 | 3.7 | 114 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945177.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 4:47 pm
 Operator : AIRLAB9:BJB
 Sample : WG1720412-6,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 17:01:16 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|----------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 8550414 | 61.101 ug/L M4 |
| 2) ethene | 4.215 | 13943532 | 97.810 ug/L |
| 3) acetylene | 4.932 | 2645540 | 88.982 ug/L |
| 4) ethane | 5.089 | 16183225 | 102.809 ug/L |
| 5) propene | 7.888 | 18216564 | 143.609 ug/L |
| 6) propane | 8.032 | 22834236 | 153.126 ug/L |
| 7) butane | 9.820 | 27717944 | 190.709 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

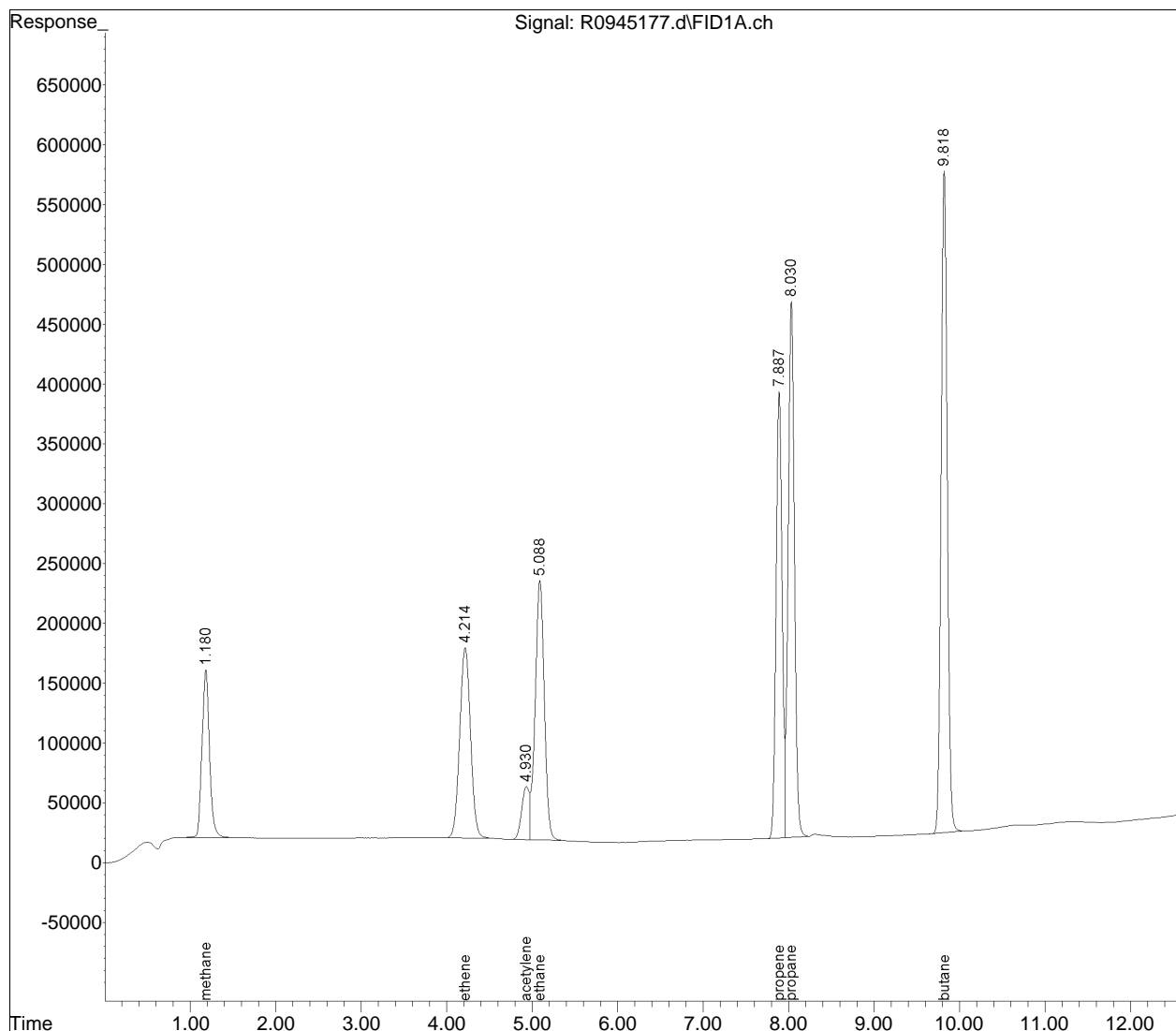
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945177.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 4:47 pm
Operator : AIRLAB9:BJB
Sample : WG1720412-6,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 17:01:16 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

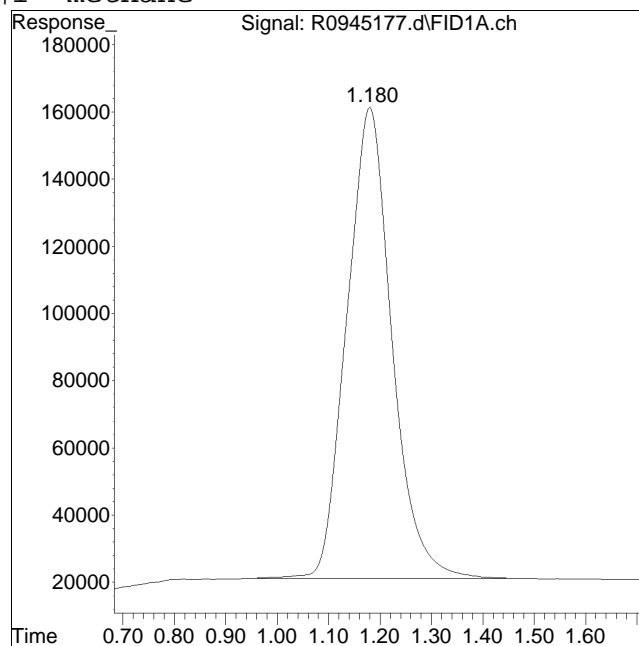
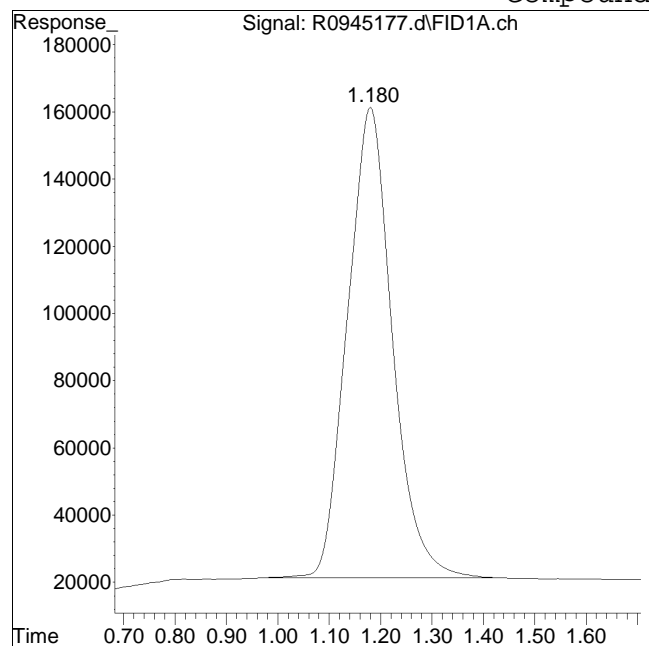
Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945177.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 4:47 pm Instrument : Airlab9
Sample : WG1720412-6,4,0.5,0.5 Quant Date : 12/7/2022 5:00 pm

Compound #1: methane



Original Peak Response = 8472270

Manual Peak Response = 8550414 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945189.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:34 pm
 Operator : AIRLAB9:BJB
 Sample : WG1720412-7,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 08 07:59:49 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(Min) |
|---|-----------|----------|---------|--------|-------|----------|
| 1 | methane | * 54.600 | 63.190 | -15.7 | 114 | 0.01 |
| 2 | ethene | * 95.500 | 103.414 | -8.3 | 118 | 0.07 |
| 3 | acetylene | * 88.700 | 115.514 | -30.2# | 135 | 0.06 |
| 4 | ethane | *102.000 | 107.706 | -5.6 | 115 | 0.06 |
| 5 | propene | *143.000 | 149.357 | -4.4 | 121 | 0.02 |
| 6 | propane | *150.000 | 160.950 | -7.3 | 122 | 0.02 |
| 7 | butane | *198.000 | 193.159 | 2.4 | 115 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945189.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:34 pm
 Operator : AIRLAB9:BJB
 Sample : WG1720412-7,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 08 07:59:49 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.184 | 8842626 | 63.190 ug/L |
| 2) ethene | 4.214 | 14742298 | 103.414 ug/L |
| 3) acetylene | 4.928 | 3434373 | 115.514 ug/L |
| 4) ethane | 5.088 | 16954129 | 107.706 ug/L |
| 5) propene | 7.889 | 18945709 | 149.357 ug/L |
| 6) propane | 8.031 | 24001094 | 160.950 ug/L |
| 7) butane | 9.821 | 28073931 | 193.159 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

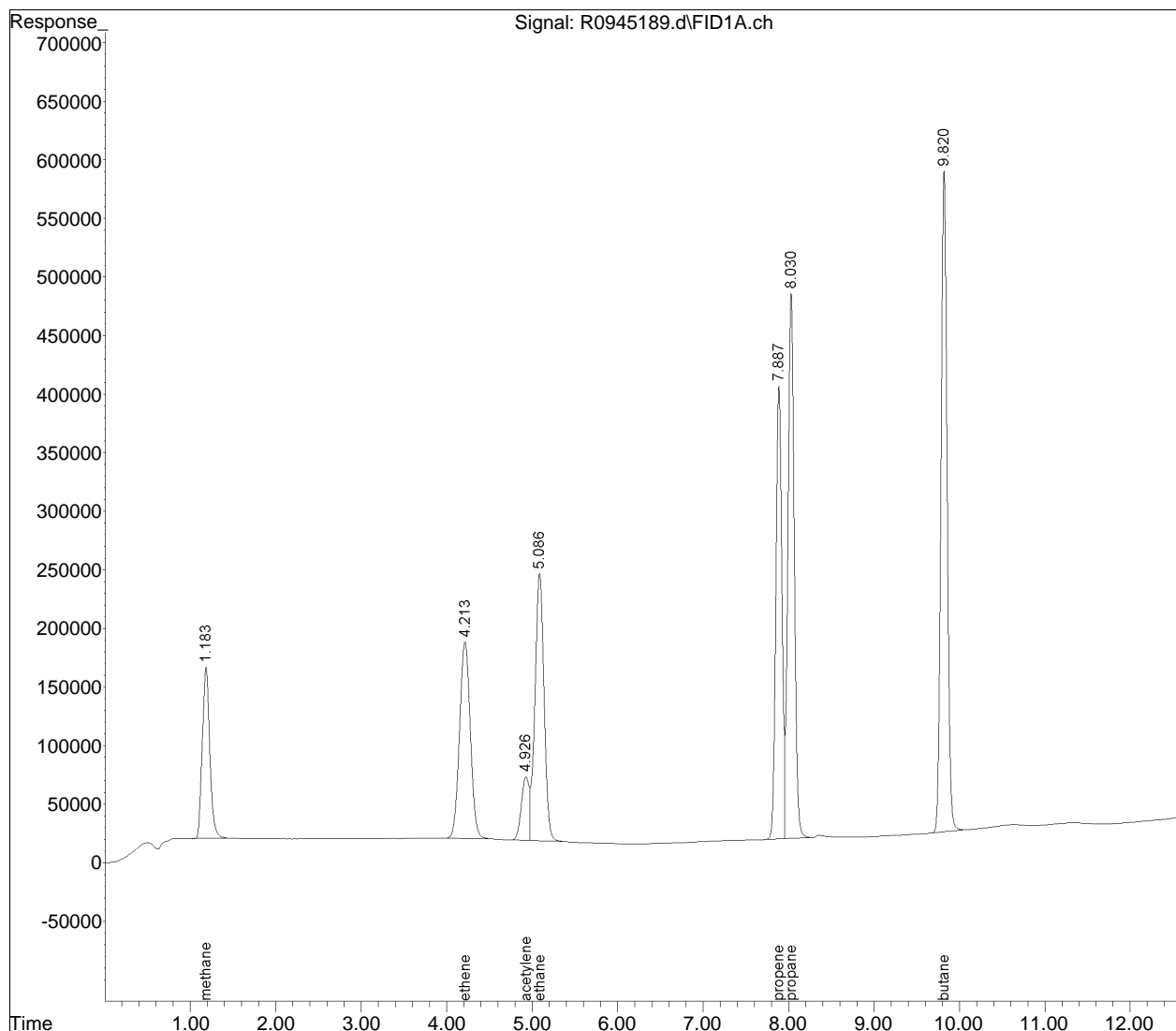
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945189.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 8:34 pm
Operator : AIRLAB9:BJB
Sample : WG1720412-7,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 08 07:59:49 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945189.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:34 pm Instrument : Airlab9
Sample : WG1720412-7,4,0.5,0.5 Quant Date : 12/8/2022 7:59 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945159.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-1,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:57:38 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7983876 | 57.053 ug/L |
| 2) ethene | 4.213 | 13385746 | 93.898 ug/L |
| 3) acetylene | 4.929 | 2391272 | 80.430 ug/L |
| 4) ethane | 5.087 | 15562176 | 98.864 ug/L |
| 5) propene | 7.888 | 17740247 | 139.854 ug/L |
| 6) propane | 8.030 | 22259457 | 149.271 ug/L |
| 7) butane | 9.819 | 28197688 | 194.010 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

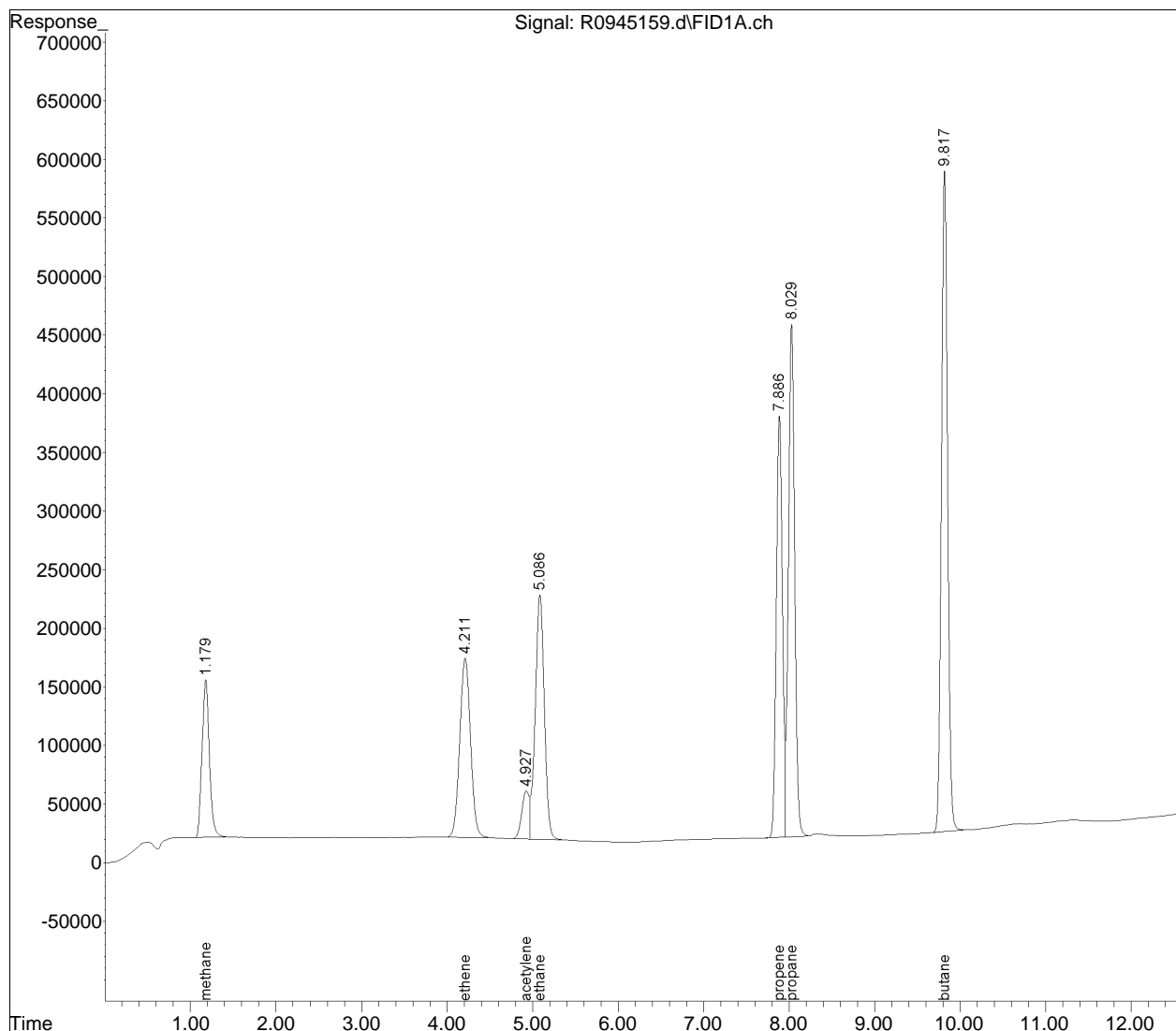
Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945159.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 8:27 am
Operator : AIRLAB9:BJB
Sample : WG1720412-1,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 09:57:38 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945159.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:27 am Instrument : Airlab9
Sample : WG1720412-1,4,0.5,0.5 Quant Date : 12/7/2022 9:57 am

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

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945160.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:50 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-3,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:56:33 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|---------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.187 | 123032 | 0.879 ug/L M2 |
| 2) ethene | 4.129 | 26686 | 0.187 ug/L M2 |
| 3) acetylene | 0.000 | 0 | N.D. ug/L |
| 4) ethane | 0.000 | 0 | N.D. ug/L |
| 5) propene | 7.838 | 110536 | 0.871 ug/L M2 |
| 6) propane | 7.984 | 129774 | 0.870 ug/L M2 |
| 7) butane | 9.816 | 118201 | 0.813 ug/L M2 |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

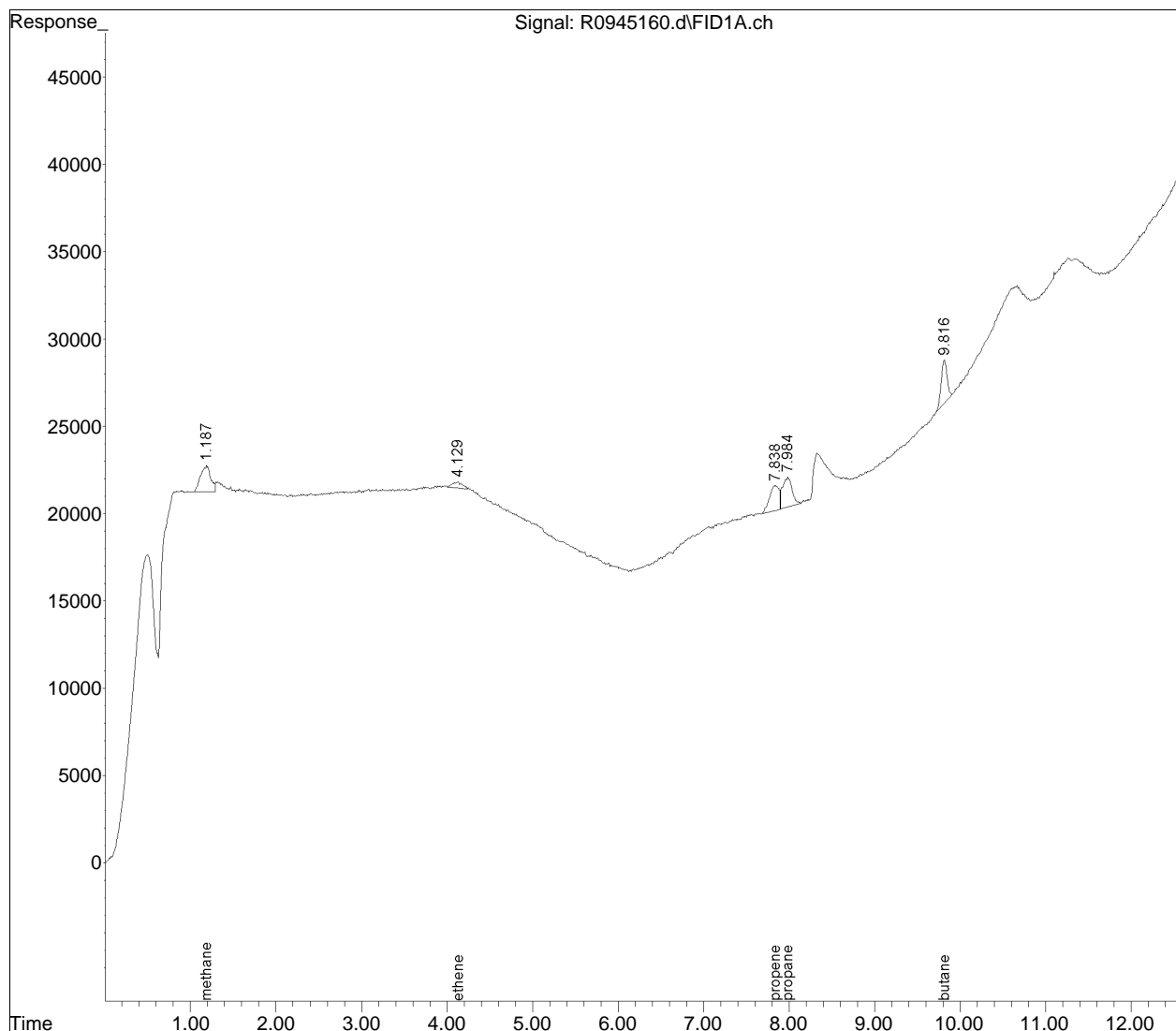
Quantitation Report (QT Reviewed)

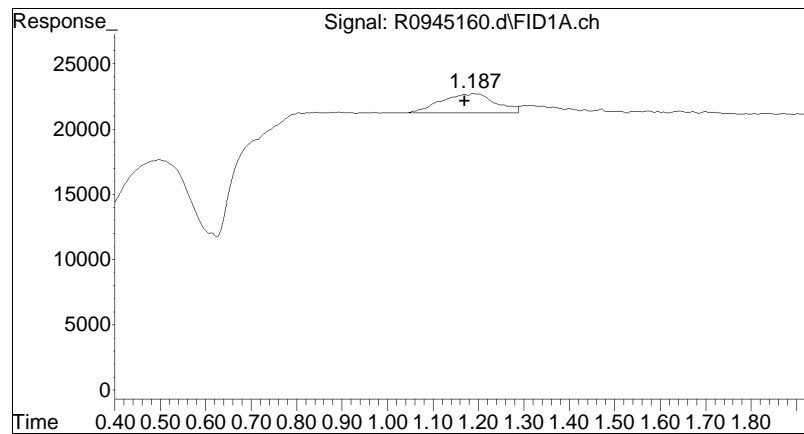
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945160.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 8:50 am
Operator : AIRLAB9:BJB
Sample : WG1720412-3,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 09:56:33 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

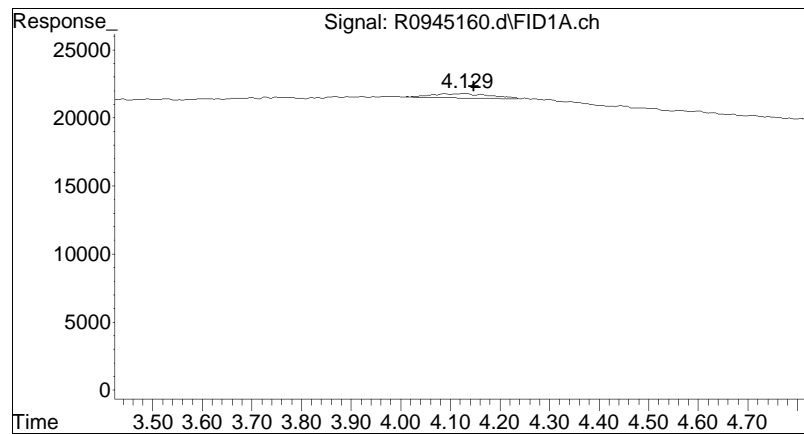
Sub List : Default - All compounds listed



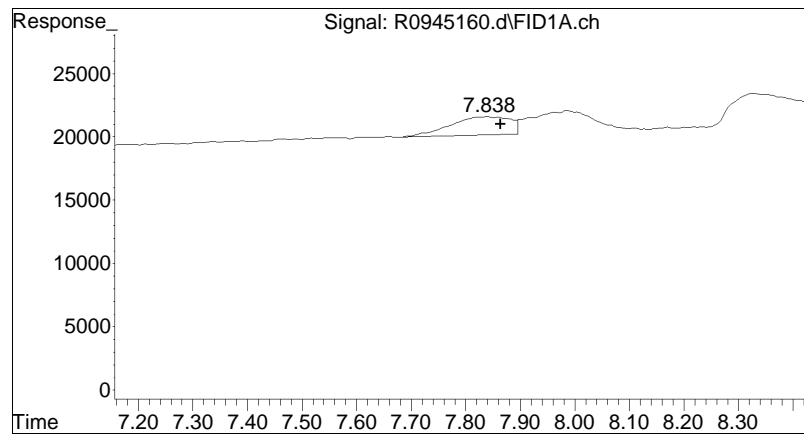


#1 methane

R.T.: 1.187 min
Delta R.T.: 0.017 min
Response: 123032
Conc: 0.88 ug/L M2

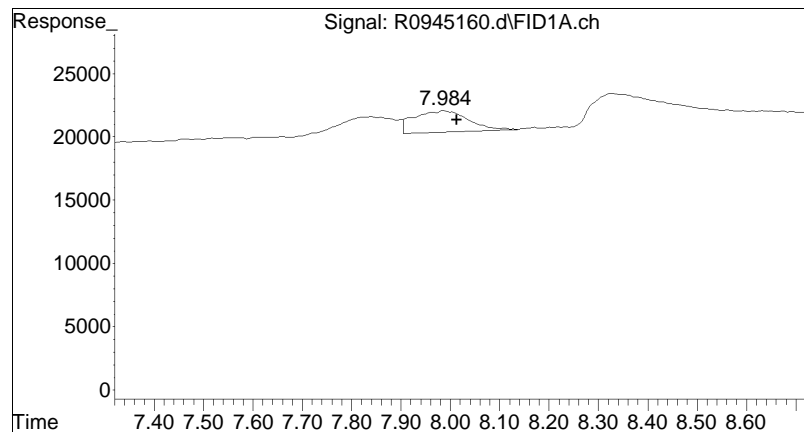


#2 ethene
R.T.: 4.129 min
Delta R.T.: -0.018 min
Response: 26686
Conc: 0.19 ug/L M2



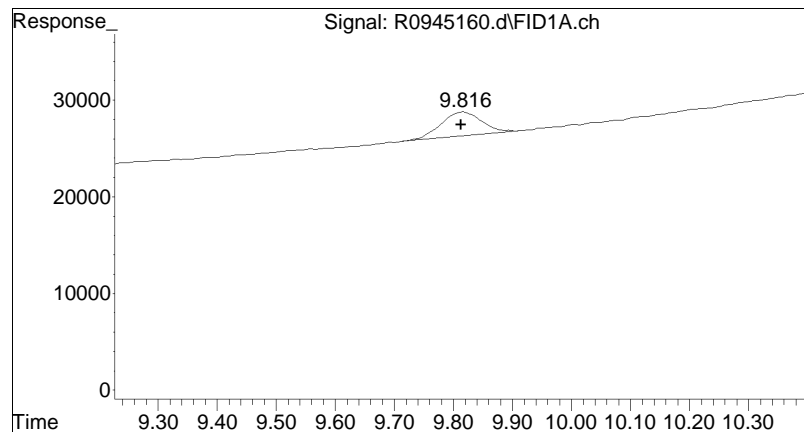
#5 propene

R.T.: 7.838 min
Delta R.T.: -0.026 min
Response: 110536
Conc: 0.87 ug/L M2



#6 propane

R.T.: 7.984 min
Delta R.T.: -0.028 min
Response: 129774
Conc: 0.87 ug/L M2



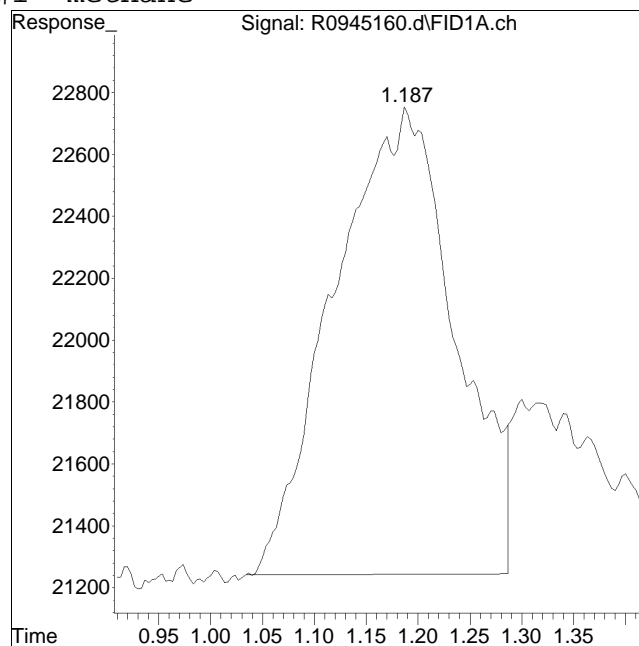
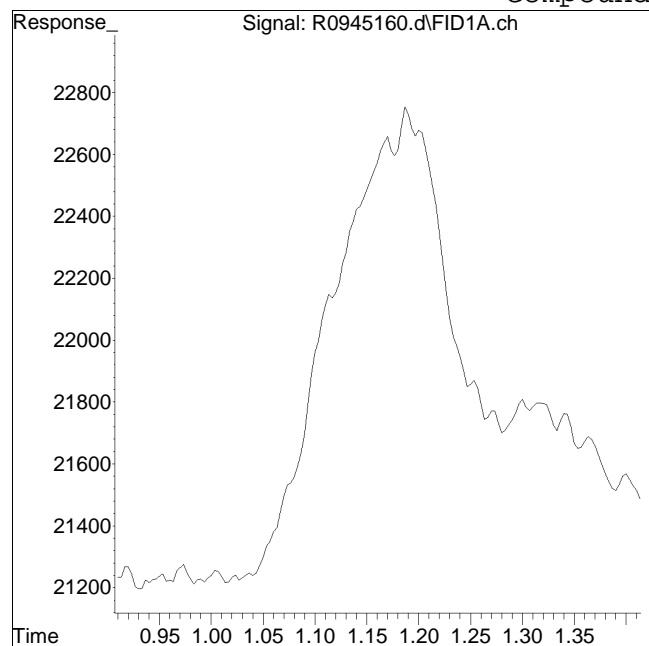
#7 butane

R.T.: 9.816 min
Delta R.T.: 0.003 min
Response: 118201
Conc: 0.81 ug/L M2

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945160.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:50 am Instrument : Airlab9
Sample : WG1720412-3,4,0.5,0.5 Quant Date : 12/7/2022 9:52 am

Compound #1: methane



Original Peak Response = 0

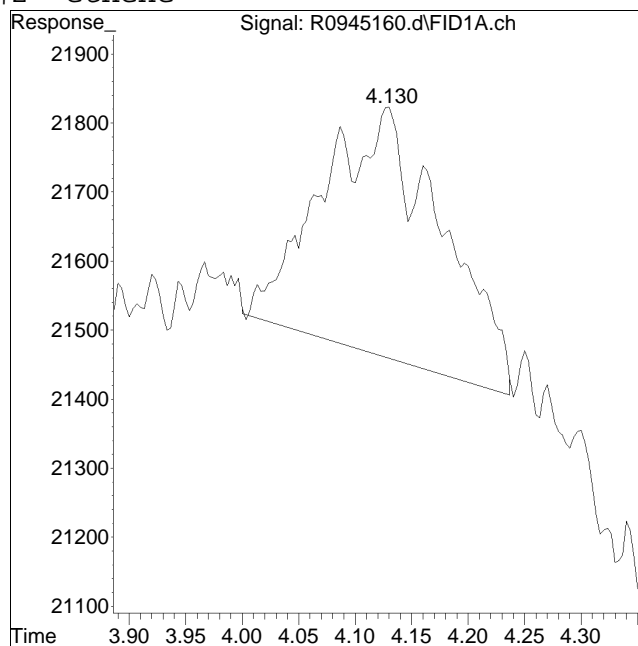
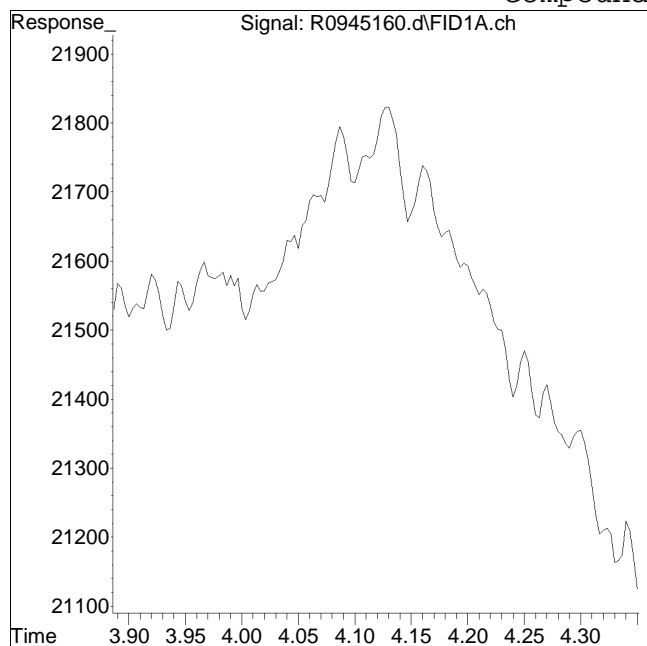
Manual Peak Response = 123032 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945160.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:50 am Instrument : Airlab9
Sample : WG1720412-3,4,0.5,0.5 Quant Date : 12/7/2022 9:52 am

Compound #2: ethene



Original Peak Response = 0

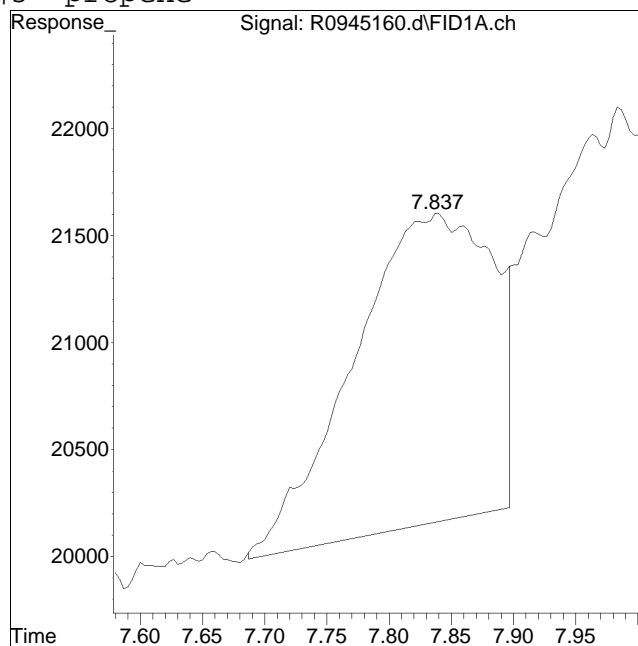
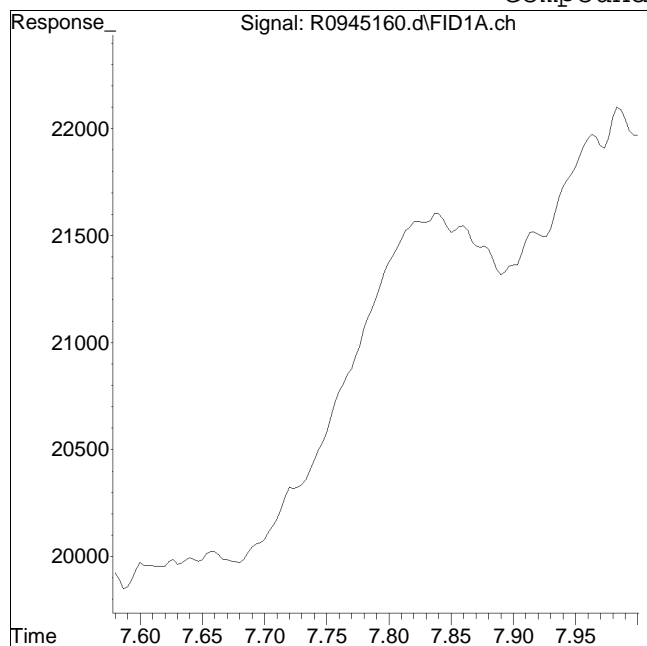
Manual Peak Response = 26686 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945160.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:50 am Instrument : Airlab9
Sample : WG1720412-3,4,0.5,0.5 Quant Date : 12/7/2022 9:52 am

Compound #5: propene



Original Peak Response = 0

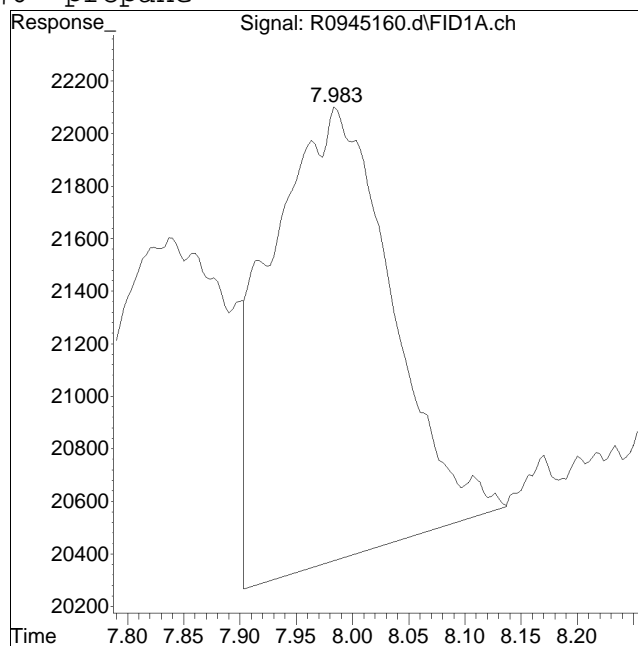
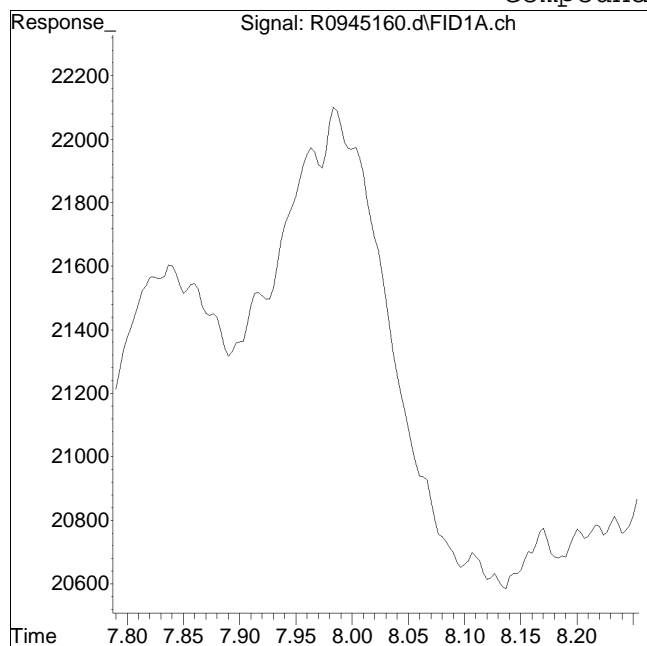
Manual Peak Response = 110536 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945160.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:50 am Instrument : Airlab9
Sample : WG1720412-3,4,0.5,0.5 Quant Date : 12/7/2022 9:52 am

Compound #6: propane



Original Peak Response = 0

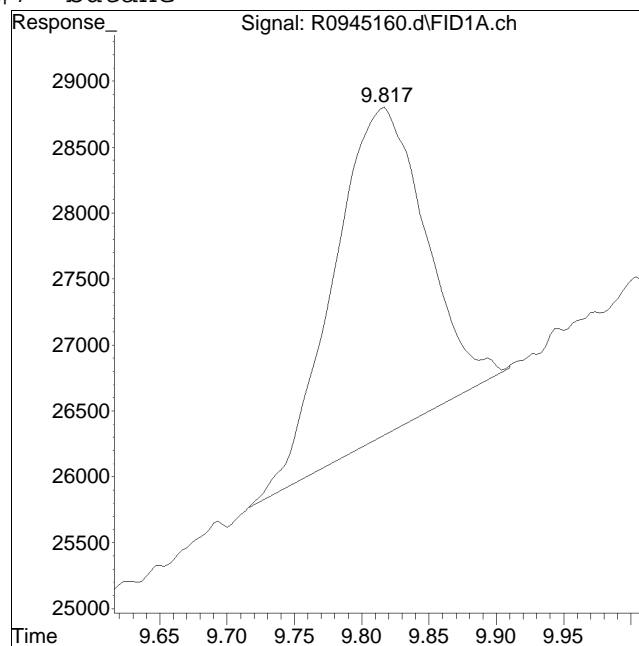
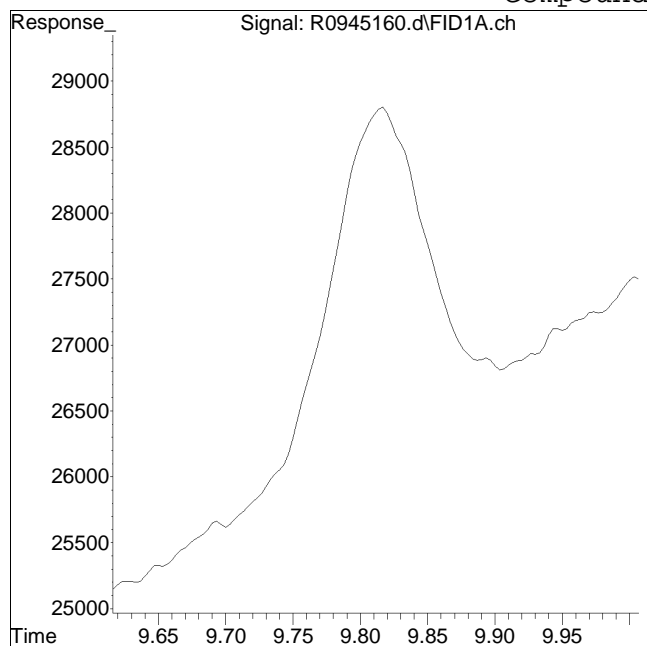
Manual Peak Response = 129774 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945160.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:50 am Instrument : Airlab9
Sample : WG1720412-3,4,0.5,0.5 Quant Date : 12/7/2022 9:52 am

Compound #7: butane



Original Peak Response = 0

Manual Peak Response = 118201 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945159.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-2,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:57:38 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Min. RRF : 0.000 Min. Rel. Area : 80% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 120%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(Min) |
|---|-----------|---------|---------|------|-------|----------|
| 1 | methane | 54.600 | 57.053 | -4.5 | 103 | 0.00 |
| 2 | ethene | 95.500 | 93.898 | 1.7 | 107 | 0.07 |
| 3 | acetylene | 88.700 | 80.430 | 9.3 | 94 | 0.06 |
| 4 | ethane | 102.000 | 98.864 | 3.1 | 106 | 0.06 |
| 5 | propene | 143.000 | 139.854 | 2.2 | 113 | 0.02 |
| 6 | propane | 150.000 | 149.271 | 0.5 | 113 | 0.02 |
| 7 | butane | 198.000 | 194.010 | 2.0 | 116 | 0.00 |

Evaluate Continuing Calibration Report - Not Found

 * 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:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945159.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 8:27 am
 Operator : AIRLAB9:BJB
 Sample : WG1720412-2,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 09:57:38 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : Default - All compounds listed

| Compound | R.T. | Response | Conc Units |
|------------------|-------|----------|--------------|
| ----- | | | |
| Target Compounds | | | |
| 1) methane | 1.180 | 7983876 | 57.053 ug/L |
| 2) ethene | 4.213 | 13385746 | 93.898 ug/L |
| 3) acetylene | 4.929 | 2391272 | 80.430 ug/L |
| 4) ethane | 5.087 | 15562176 | 98.864 ug/L |
| 5) propene | 7.888 | 17740247 | 139.854 ug/L |
| 6) propane | 8.030 | 22259457 | 149.271 ug/L |
| 7) butane | 9.819 | 28197688 | 194.010 ug/L |
| ----- | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

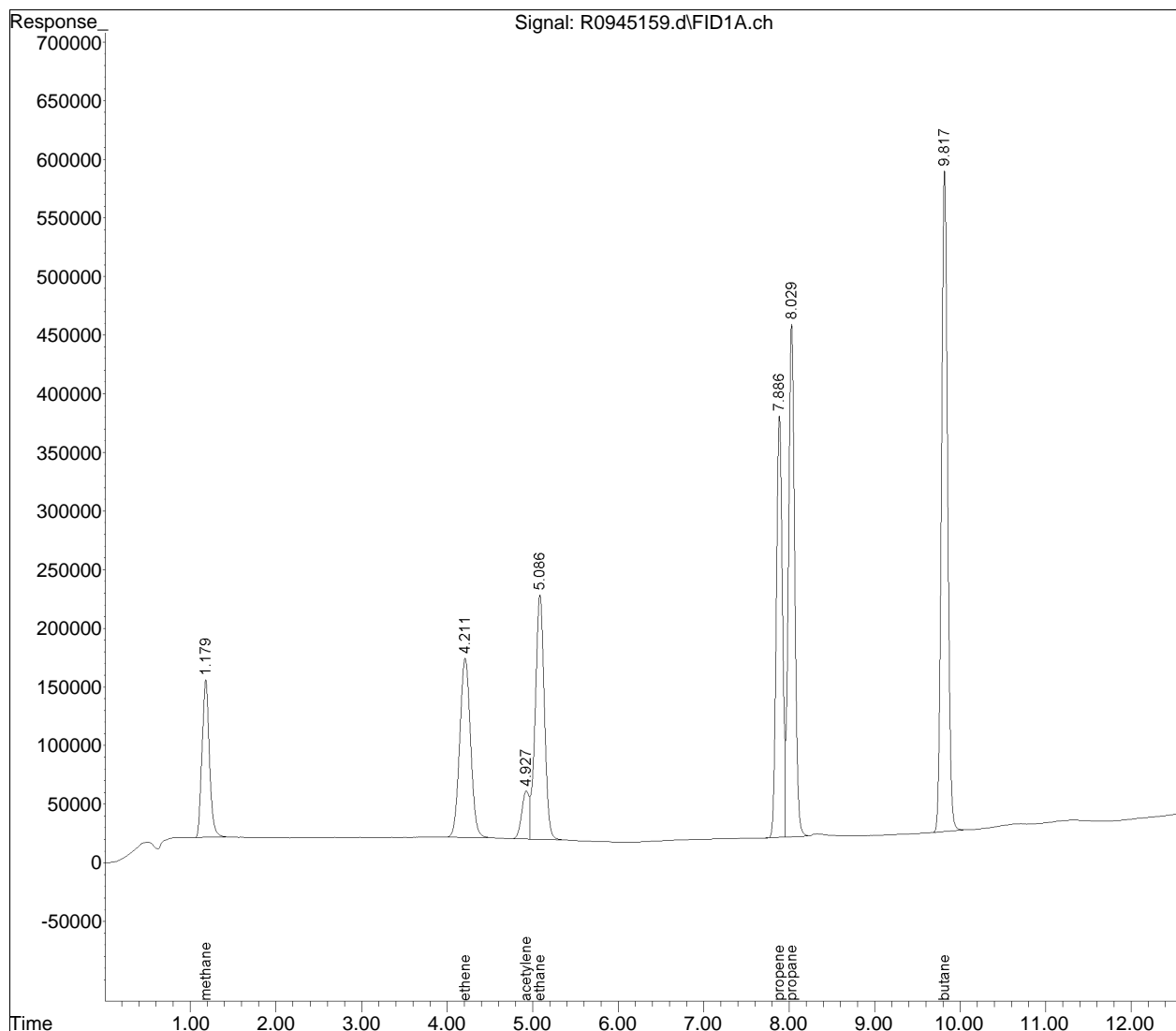
Quantitation Report (QT Reviewed)

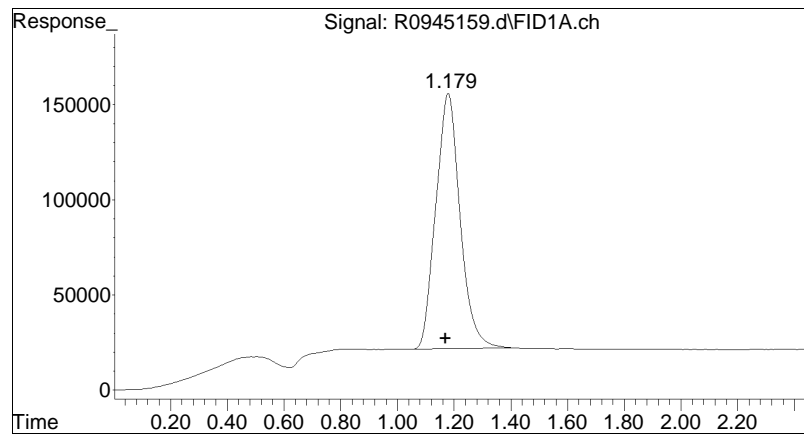
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945159.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 8:27 am
Operator : AIRLAB9:BJB
Sample : WG1720412-2,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 09:57:38 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

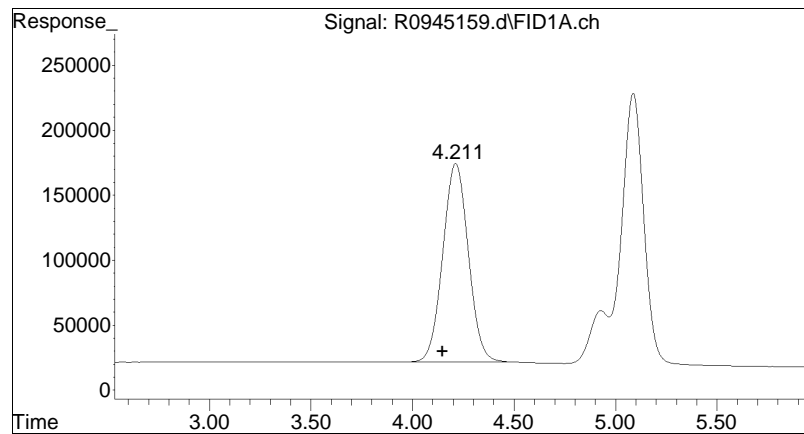
Sub List : Default - All compounds listed





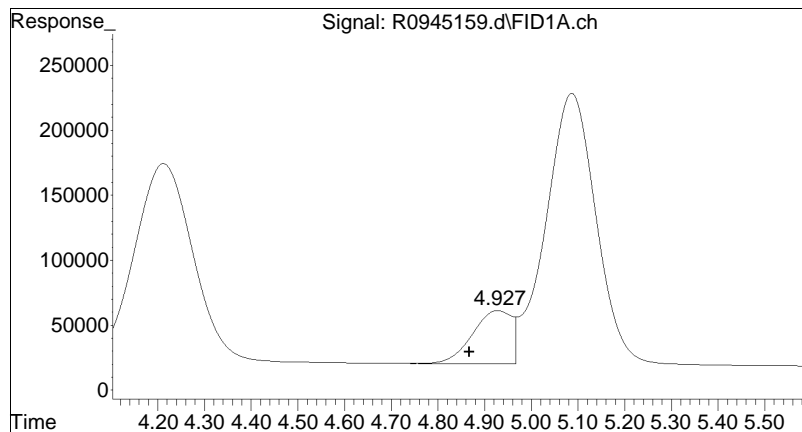
#1 methane

R.T.: 1.180 min
Delta R.T.: 0.010 min
Response: 7983876
Conc: 57.05 ug/L



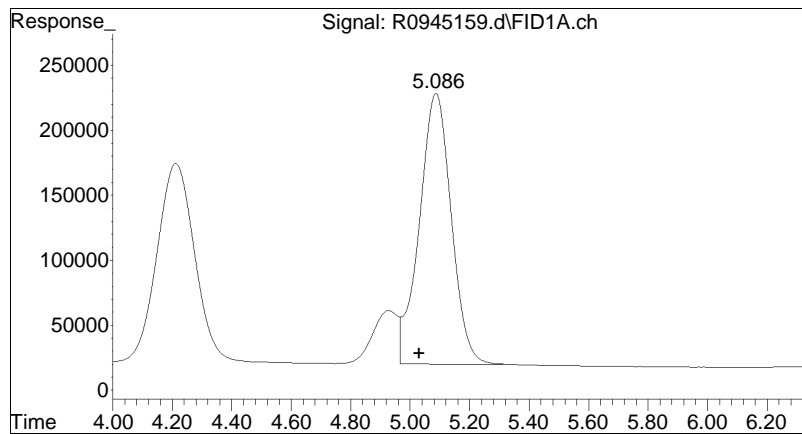
#2 ethene

R.T.: 4.213 min
Delta R.T.: 0.066 min
Response: 13385746
Conc: 93.90 ug/L



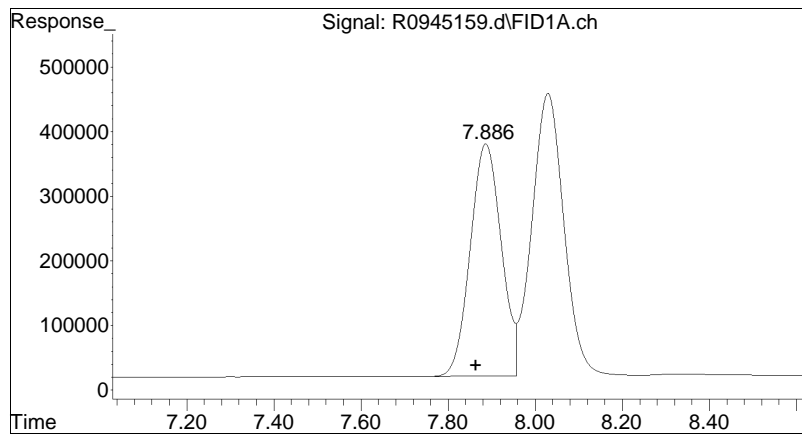
#3 acetylene

R.T.: 4.929 min
Delta R.T.: 0.062 min
Response: 2391272
Conc: 80.43 ug/L



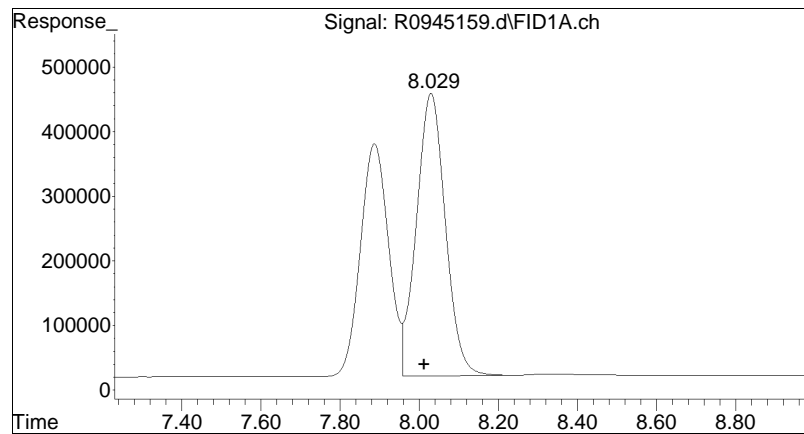
#4 ethane

R.T.: 5.087 min
Delta R.T.: 0.056 min
Response: 15562176
Conc: 98.86 ug/L



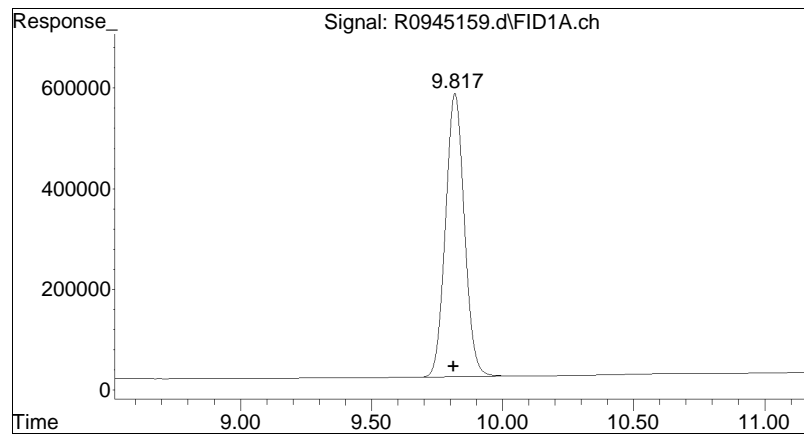
#5 propene

R.T.: 7.888 min
Delta R.T.: 0.024 min
Response: 17740247
Conc: 139.85 ug/L



#6 propane

R.T.: 8.030 min
Delta R.T.: 0.018 min
Response: 22259457
Conc: 149.27 ug/L



#7 butane

R.T.: 9.819 min
Delta R.T.: 0.006 min
Response: 28197688
Conc: 194.01 ug/L

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945159.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 8:27 am Instrument : Airlab9
Sample : WG1720412-2,4,0.5,0.5 Quant Date : 12/7/2022 9:57 am

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

Quantitation Report (QT Reviewed)

Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
 Data File : R0945174.d
 Signal(s) : FID1A.ch
 Acq On : 7 Dec 2022 3:48 pm
 Operator : AIRLAB9:BJB
 Sample : WG1720412-4,4,0.5,0.5
 Misc : WG1720412,ICAL16772
 ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
 Quant Time: Dec 07 16:08:56 2022
 Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
 Quant Title : Dissolved Gases
 QLast Update : Tue May 12 07:13:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. :
 Signal Phase :
 Signal Info :

Sub List : MEE - All compounds listed

| Compound | R.T. | Response | Conc | Units |
|------------------|-------|-----------|----------|---------|
| ----- | | | | |
| Target Compounds | | | | |
| 1) methane | 1.175 | 629587827 | 4499.052 | ug/L M4 |
| 2) ethene | 4.221 | 15310651 | 107.400 | ug/L |
| 4) ethane | 5.091 | 18881643 | 119.951 | ug/L M6 |
| ----- | | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.

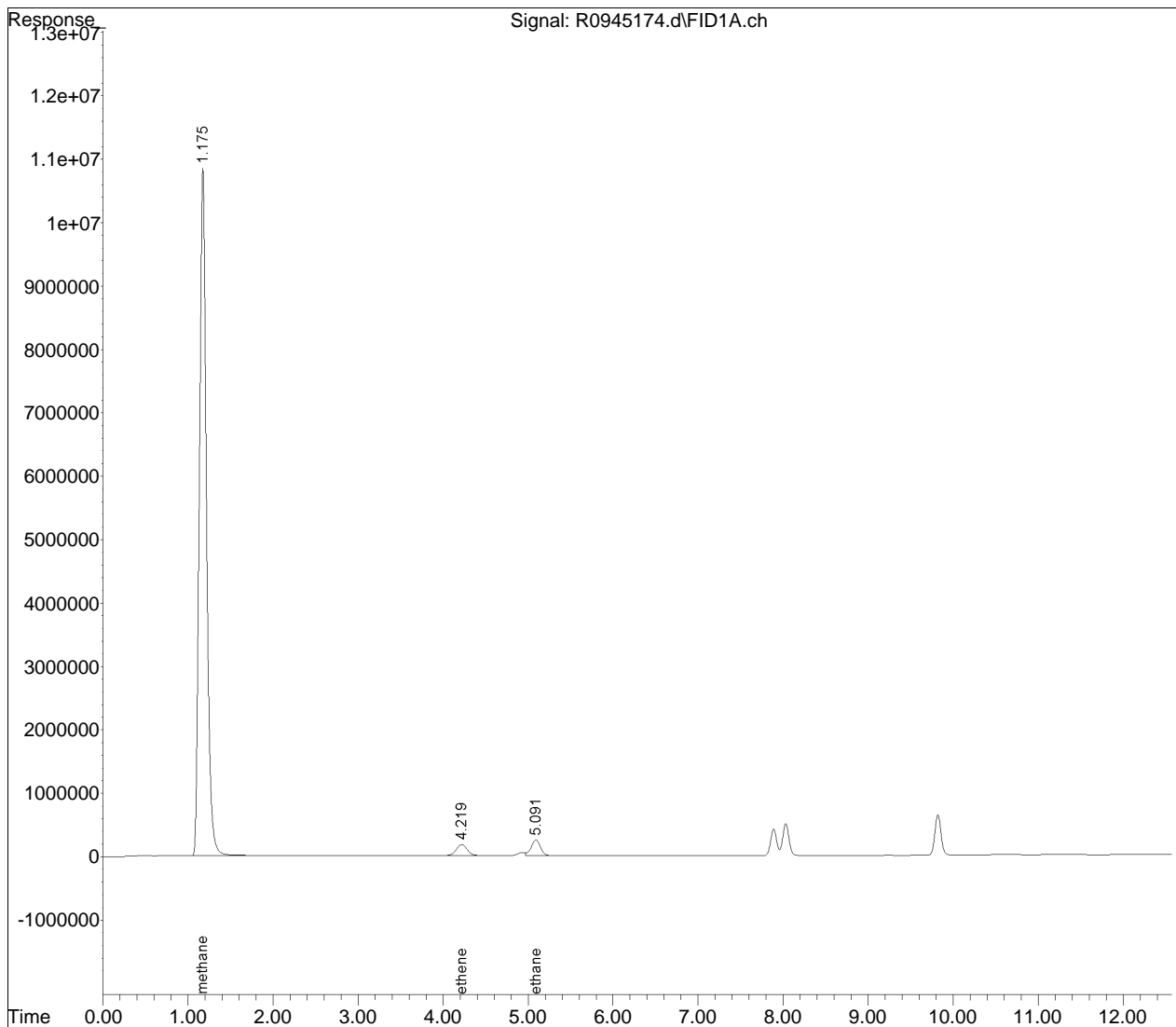
Quantitation Report (QT Reviewed)

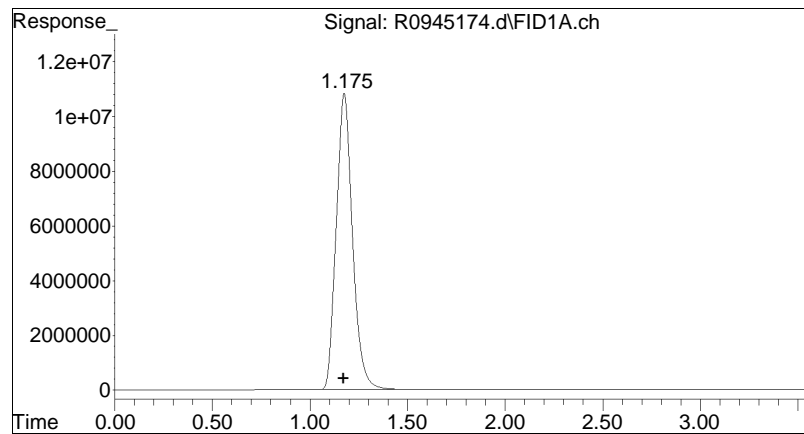
Data Path : O:\Forensics\Data\airlab9\2022\12\1207DG\
Data File : R0945174.d
Signal(s) : FID1A.ch
Acq On : 7 Dec 2022 3:48 pm
Operator : AIRLAB9:BJB
Sample : WG1720412-4,4,0.5,0.5
Misc : WG1720412,ICAL16772
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 07 16:08:56 2022
Quant Method : O:\Forensics\Data\airlab9\2022\12\1207DG\DG9_200511.M
Quant Title : Dissolved Gases
QLast Update : Tue May 12 07:13:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

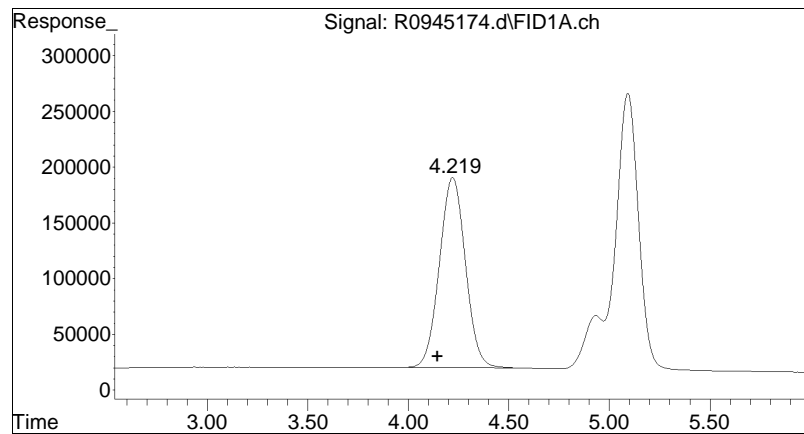
Sub List : MEE - All compounds listed





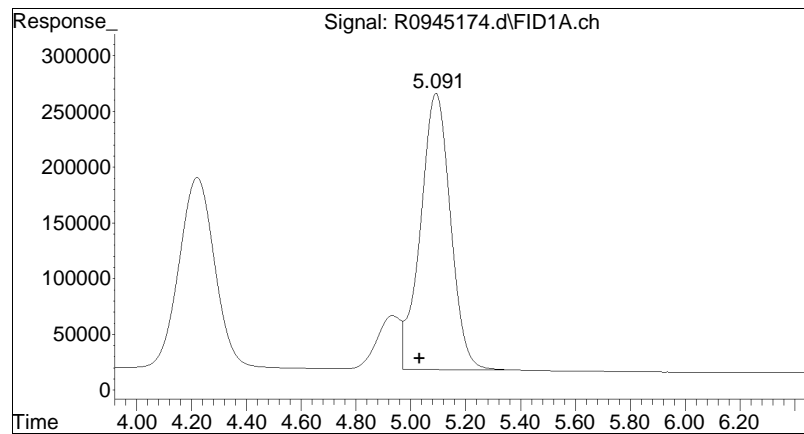
#1 methane

R.T.: 1.175 min
Delta R.T.: 0.005 min
Response: 629587827
Conc: 4499.05 ug/L M4



#2 ethene

R.T.: 4.221 min
Delta R.T.: 0.074 min
Response: 15310651
Conc: 107.40 ug/L



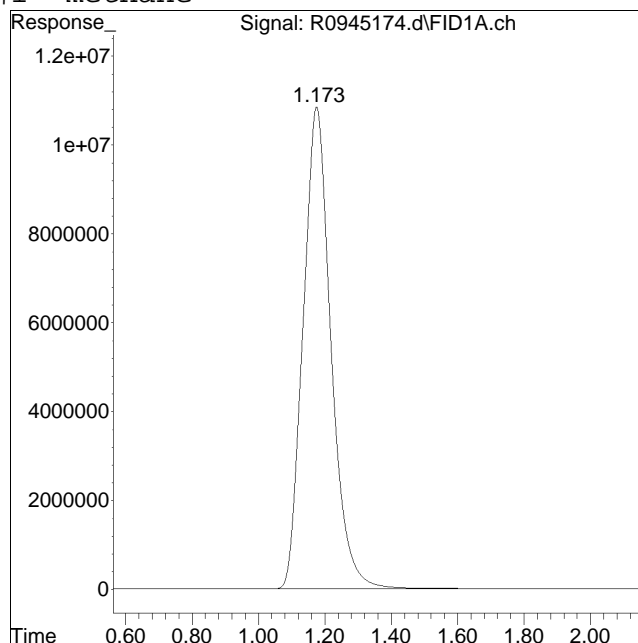
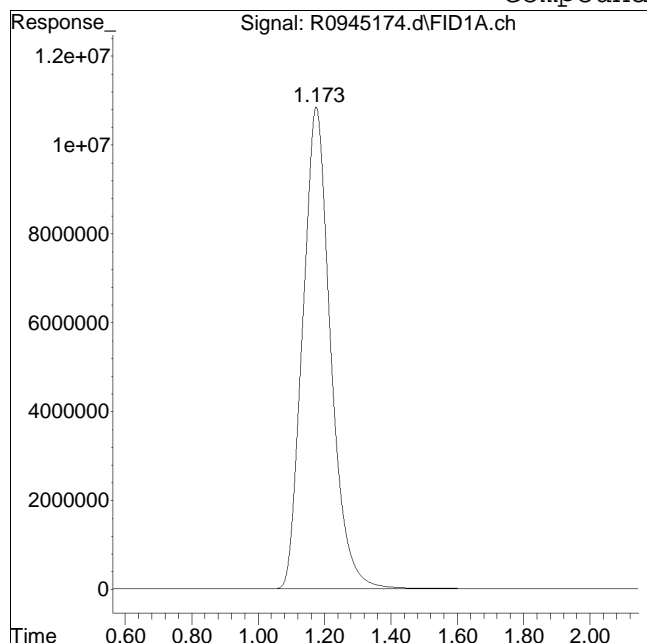
#4 ethane

R.T.: 5.091 min
Delta R.T.: 0.060 min
Response: 18881643
Conc: 119.95 ug/L M6

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945174.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:48 pm Instrument : Airlab9
Sample : WG1720412-4,4,0.5,0.5 Quant Date : 12/7/2022 4:05 pm

Compound #1: methane



Original Peak Response = 628911511

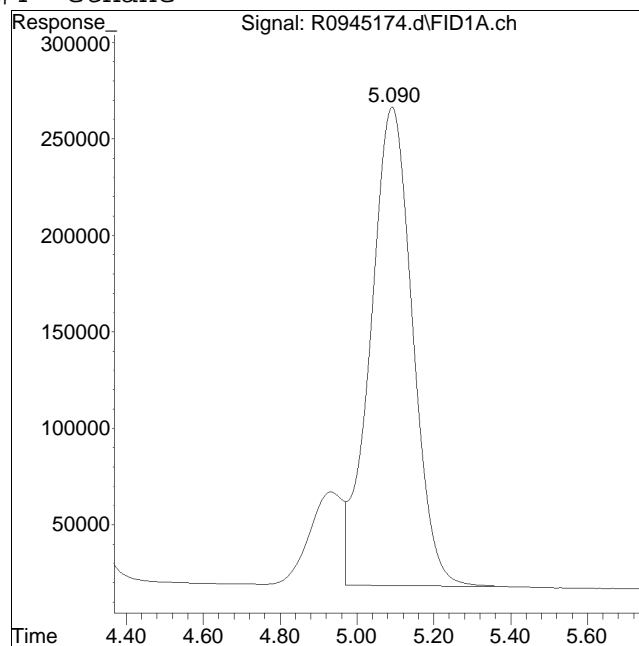
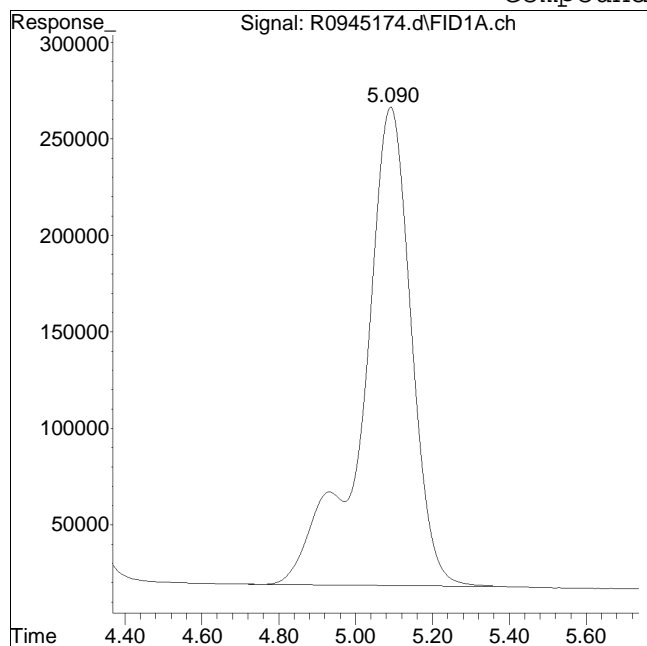
Manual Peak Response = 629587827 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : O:\Forensics\Data\airlab9\QMethod : DG9_200511.M
Data File : R0945174.d Operator : AIRLAB9:BJB
Date Inj'd : 12/7/2022 3:48 pm Instrument : Airlab9
Sample : WG1720412-4,4,0.5,0.5 Quant Date : 12/7/2022 4:05 pm

Compound #4: ethane



Original Peak Response = 21756536

Manual Peak Response = 18881643 M6

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

Calculation of Volatile Organic Compounds in Air

The instrument will calculate the concentration (ppbv). If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, ppbv} = C_s \times \text{DF}$$

Where:

C_s = Concentration of sample (ppbv)

DF = Dilution Factor

Calculation of Instrument Dilution Factor

For dilutions, smaller sample volumes (< 250mL) are analyzed. The smallest volume that can be analyzed with accuracy is 10 mL.

Samples that arrive at the laboratory with pressures below -15 inches Hg must be pressurized with zero air to greater than -15 inches Hg. This pressurization results in a dilution factor.

Calculation of Dilution Factor

$$\text{DF} = V_{cf} / V_{ci}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

P =

Conversion of ppbv to $\mu\text{g}/\text{m}^3$

$$\mu\text{g}/\text{m}^3 = (\text{ppbv}) * \text{MW} / 24.47$$

Where:

24.47 = molar gas constant (g/g-mole)

MW = molecular weight of the compound of interest

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

Dilution Factor for Pressurization of Subatmospheric Samples: Three Steps

Step 1: Calculate the volume in the canister prior to pressurization (Assume a 2.7 liter canister is used).

$$V_{ci} = 2.7 * PI/14.696$$

Step 2: Calculate the volume in the canister after pressurization.

$$V_{cf} = 2.7 * PF/14.696$$

Step 3: Calculate the dilution factor.

$$DF = V_{cf} / V_{ci}$$

Where:

V_{ci} = volume of air in canister prior to pressurization, L

PI = pressure reading of canister prior to pressurization (psia)

V_{cf} = volume of air in canister after pressurization, L

PF = pressure reading of canister after pressurization (psia)

DF = dilution factor

14.696 = atmospheric pressure (psia)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 08 2022, 04:38 pm

Work Group: WG1720412 for Department: 4 Gas Chromatography

Created: 07-DEC-22 Due: Operator: SRO

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|-----------|--------|------|----|------|------|----|-----------|
| L2266884-01 | MW-13 | S DISSGAS | WATER | SEC | U | 1213 | 1214 | S0 | Vial-B-20 |
| L2266884-06 | MW-22 | S DISSGAS | WATER | SEC | U | 1213 | 1214 | S0 | Vial-B-20 |
| L2267729-01 | MW-10 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-02 | MW-19 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-03 | MW-20 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-04 | MW-21 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-05 | MW-23 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-06 | MW-24I | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-07 | MW-25I | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-08 | MW-D2 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-09 | MW-D2I | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-10 | DUP_12022022 | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2267729-11 | FIELD BLANK | S DISSGAS | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B-20 |
| L2268040-01 | COLD WATER | S DISSGAS | DW | SEC | U | 1219 | 1219 | S0 | Vial-B-20 |
| L2268040-02 | HOT WATER | S DISSGAS | DW | SEC | U | 1219 | 1219 | S0 | Vial-B-20 |
| L2268142-01 | CM95185 | S DISSGAS | WATER | SEC | U | 1215 | 1219 | S0 | Vial-B-20 |
| L2268142-02 | CM95186 | S DISSGAS | WATER | SEC | U | 1215 | 1219 | S0 | Vial-B-20 |
| L2268142-03 | CM95187 | S DISSGAS | WATER | SEC | U | 1215 | 1219 | S0 | Vial-B-20 |
| L2268142-04 | CM95188 | S DISSGAS | WATER | SEC | U | 1215 | 1219 | S0 | Vial-B-20 |
| WG1720412-1 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-2 | Laboratory Control S | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-3 | Laboratory Method Bl | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-4 | Matrix Spike | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-5 | Matrix Spike Duplica | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-6 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |
| WG1720412-7 | Continuing Calibrati | S DISSGAS | WATER | DONE | U | | | | |

Comments:

WG1720412-4 L2267729-06
 WG1720412-5 L2267729-06

Alpha Analytical Air Lab Instrument Run Log

Instrument ID: Airlab9
 Date: 05/11/2020_I
 Analyst Initials: AW/AR

ICAL LOT #: CSS20-001
 LCS LOT #: CSS19-009
 EM Voltage: NA
 pH LOT#: 10BDH5291

DISSGAS ICAL#: 16682

DISSGAS-CO2 ICAL#: 14290

| Position # | Sample ID | Acquisition Method | Data File ID | Misc Info | Comment |
|------------|---------------|--------------------|--------------|----------------------|---------|
| 1 | BLANK | DISSGAS | R0932149 | BLANK | |
| 2 | IDISSGASSTD01 | DISSGAS | R0932150 | 5X OF STD02 | |
| 2 | IDISSGASSTD02 | DISSGAS | R0932151 | 350 uL of SS20-016B | |
| 3 | IDISSGASSTD03 | DISSGAS | R0932152 | 2X OF STD04 | |
| 3 | IDISSGASSTD04 | DISSGAS | R0932153 | 125 uL of SS20-016A | |
| 4 | IDISSGASSTD05 | DISSGAS | R0932154 | 5X OF STD07 | |
| 4 | IDISSGASSTD06 | DISSGAS | R0932155 | 2X OF STD07 | |
| 4 | IDISSGASSTD07 | DISSGAS | R0932156 | 5000 uL of SS20-016A | |
| 5 | IDISSGASSTD08 | DISSGAS | R0932157 | 500 uL of CSS18-008 | |
| 6 | BLANK | DISSGAS | R0932158 | BLANK | |
| 7 | CDISSGASTD04 | DISSGAS | R0932159 | 125 uL of CSS19-019 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Alpha Analytical Air Lab Instrument Run Log

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
| | | | | | |

Alpha Analytical Air Lab Instrument Run Log

Instrument ID: Airlab9
 Date: 12/07/22
 Analyst Initials: BB

ICAL LOT #: SS21-026A
 LCS LOT #: CSS21-013
 EM Voltage: NA
 pH LOT#: 10BDH3101

DISSGAS ICAL#: 16772

DISSGAS-CO2 ICAL#: 16789

| Position # | Sample ID | Acquisition Method | Data File ID | Misc Info | Comment |
|------------|--------------------------|--------------------|--------------|---------------------|-----------------------|
| 1 | BLANK | DISSGAS-E | R0945158 | WG1720412,ICAL16772 | BLANK |
| 2 | CCAL | DISSGAS | R0945159 | WG1720412,ICAL16772 | CCAL |
| 3 | BLANK | DISSGAS | R0945160 | WG1720412,ICAL16772 | BLANK |
| 4 | L2267729-06,4,0.5,0.5 | DISSGAS | R0945161 | WG1720412,ICAL16772 | pH<2 |
| 5 | L2267729-01,4,0.5,0.5 | DISSGAS | R0945162 | WG1720412,ICAL16772 | pH<2 |
| 6 | L2267729-02,4,0.5,0.5 | DISSGAS | R0945163 | WG1720412,ICAL16772 | RERUN (BAD INJECTION) |
| 7 | L2267729-03,4,0.5,0.5 | DISSGAS | R0945164 | WG1720412,ICAL16772 | pH<2 |
| 8 | L2267729-04,4,0.5,0.5 | DISSGAS | R0945165 | WG1720412,ICAL16772 | pH<2 |
| 9 | L2267729-05,4,0.5,0.5 | DISSGAS | R0945166 | WG1720412,ICAL16772 | pH<2 |
| 10 | L2267729-07,4,0.5,0.5 | DISSGAS | R0945167 | WG1720412,ICAL16772 | pH<2 |
| 11 | L2267729-08,4,0.5,0.5 | DISSGAS | R0945168 | WG1720412,ICAL16772 | pH<2 |
| 12 | L2267729-09,4,0.5,0.5 | DISSGAS | R0945169 | WG1720412,ICAL16772 | pH Greater than 2 |
| 13 | L2267729-10,4,0.5,0.5 | DISSGAS | R0945170 | WG1720412,ICAL16772 | RERUN (BAD INJECTION) |
| 1 | BLANK | DISSGAS-E | R0945171 | WG1720412,ICAL16772 | BLANK |
| 6 | L2267729-02,4,0.5,0.5 | DISSGAS | R0945172 | WG1720412,ICAL16772 | pH<2 |
| 13 | L2267729-10,4,0.5,0.5 | DISSGAS | R0945173 | WG1720412,ICAL16772 | pH<2 |
| 4 | L2267729-06MS,4,0.5,0.5 | DISSGAS | R0945174 | WG1720412,ICAL16772 | MS |
| 4 | L2267729-06MSD,4,0.5,0.5 | DISSGAS | R0945175 | WG1720412,ICAL16772 | MSD |
| 1 | BLANK | DISSGAS-E | R0945176 | WG1720412,ICAL16772 | BLANK |
| 2 | CCAL | DISSGAS | R0945177 | WG1720412,ICAL16772 | CCAL |
| 14 | L2267729-11,4,0.5,0.5 | DISSGAS | R0945178 | WG1720412,ICAL16772 | pH<2 |
| 15 | L2266884-01,4,0.5,0.5 | DISSGAS | R0945179 | WG1720412,ICAL16772 | pH<2 |

Alpha Analytical Air Lab Instrument Run Log

| | | | | | |
|----|-----------------------|-----------|----------|---------------------|-------------------|
| 16 | L2266884-06,4,0.5,0.5 | DISSGAS | R0945180 | WG1720412,ICAL16772 | pH<2 |
| 17 | L2268142-01,4,0.5,0.5 | DISSGAS | R0945181 | WG1720412,ICAL16772 | pH<2 |
| 18 | L2268142-02,4,0.5,0.5 | DISSGAS | R0945182 | WG1720412,ICAL16772 | pH<2 |
| 19 | L2268142-03,4,0.5,0.5 | DISSGAS | R0945183 | WG1720412,ICAL16772 | pH<2 |
| 20 | L2268142-04,4,0.5,0.5 | DISSGAS | R0945184 | WG1720412,ICAL16772 | pH<2 |
| 21 | L2268040-01,4,0.5,0.5 | DISSGAS | R0945185 | WG1720412,ICAL16772 | pH Greater than 2 |
| 22 | L2268040-02,4,0.5,0.5 | DISSGAS | R0945186 | WG1720412,ICAL16772 | pH Greater than 2 |
| 1 | BLANK | DISSGAS-E | R0945187 | WG1720412,ICAL16772 | BLANK |
| 13 | CCAL | DISSGAS | R0945188 | WG1720412,ICAL16772 | CCAL |
| 14 | CCAL | DISSGAS | R0945189 | WG1720412,ICAL16772 | CCAL |
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GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
 Project Name: FORMER PFIZER INC SITE B&D

Lab Number: L2267729
 Project Number: 0047.0044Y047
 Matrix: Trip Blank (Aqueous)/Water/Field Blank

| CLIENT ID (LAB SAMPLE NO.) | SMC1 DCA | SMC2 TOL | SMC3 BFB | SMC4 DBFM | TOT OUT |
|-------------------------------|-------------|-------------|-------------|--------------|------------|
| MW-10 (L2267729-01) | 95 | 101 | 100 | 101 | 0 |
| MW-19 (L2267729-02) | 95 | 101 | 102 | 100 | 0 |
| MW-20 (L2267729-03) | 97 | 101 | 102 | 99 | 0 |
| MW-21 (L2267729-04) | 98 | 101 | 102 | 102 | 0 |
| MW-23 (L2267729-05) | 98 | 101 | 100 | 101 | 0 |
| MW-24I (L2267729-06) | 97 | 101 | 103 | 101 | 0 |
| MW-25I (L2267729-07) | 97 | 101 | 99 | 102 | 0 |
| MW-D2 (L2267729-08) | 95 | 101 | 102 | 100 | 0 |
| MW-D2I (L2267729-09) | 97 | 101 | 102 | 101 | 0 |
| DUP_12022022 (L2267729-10) | 96 | 101 | 101 | 102 | 0 |
| FIELD BLANK (L2267729-11) | 94 | 101 | 102 | 100 | 0 |
| TRIP BLANK (L2267729-12) | 96 | 100 | 102 | 100 | 0 |
| WG1720634-3LCS | 96 | 105 | 103 | 98 | 0 |
| WG1720634-4LCSD | 98 | 106 | 104 | 100 | 0 |
| WG1720634-5BLANK | 94 | 101 | 104 | 100 | 0 |
| MW-24IMS | 100 | 104 | 102 | 100 | 0 |
| MW-24IMSD | 100 | 105 | 102 | 99 | 0 |

QC LIMITS

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

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2267729
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Matrix : WATER
LCS Sample ID : WG1720634-3 **Analysis Date** : 12/07/22 07:01 **File ID** : V05221207A01
LCSD Sample ID : WG1720634-4 **Analysis Date** : 12/07/22 07:24 **File ID** : V05221207A02

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Methylene chloride | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| 1,1-Dichloroethane | 10 | 9.5 | 95 | 10 | 9.8 | 98 | 3 | 70-130 | 20 |
| Chloroform | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| Carbon tetrachloride | 10 | 9.1 | 91 | 10 | 9.6 | 96 | 5 | 63-132 | 20 |
| Tetrachloroethene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| Chlorobenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 75-130 | 20 |
| 1,2-Dichloroethane | 10 | 9.0 | 90 | 10 | 9.5 | 95 | 5 | 70-130 | 20 |
| 1,1,1-Trichloroethane | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 67-130 | 20 |
| Benzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Toluene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Ethylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Vinyl chloride | 10 | 8.7 | 87 | 10 | 9.0 | 90 | 3 | 55-140 | 20 |
| 1,1-Dichloroethene | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 61-145 | 20 |
| trans-1,2-Dichloroethene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| Trichloroethene | 10 | 9.4 | 94 | 10 | 9.4 | 94 | 0 | 70-130 | 20 |
| 1,2-Dichlorobenzene | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| 1,3-Dichlorobenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| 1,4-Dichlorobenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Methyl tert butyl ether | 10 | 9.0 | 90 | 10 | 9.8 | 98 | 9 | 63-130 | 20 |
| p/m-Xylene | 20 | 20 | 100 | 20 | 21 | 105 | 5 | 70-130 | 20 |
| o-Xylene | 20 | 20 | 100 | 20 | 21 | 105 | 5 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 10 | 9.9 | 99 | 10 | 10 | 100 | 1 | 70-130 | 20 |
| Acetone | 10 | 9.1 | 91 | 10 | 11 | 110 | 19 | 58-148 | 20 |
| 2-Butanone | 10 | 9.4 | 94 | 10 | 11 | 110 | 16 | 63-138 | 20 |
| n-Butylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 53-136 | 20 |
| sec-Butylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |



**Laboratory Control Sample Summary
Form 3
Volatiles**

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2267729
 Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
 Matrix : WATER
 LCS Sample ID : WG1720634-3 Analysis Date : 12/07/22 07:01 File ID : V05221207A01
 LCSD Sample ID : WG1720634-4 Analysis Date : 12/07/22 07:24 File ID : V05221207A02

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|------------------------|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| tert-Butylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 70-130 | 20 |
| n-Propylbenzene | 10 | 10 | 100 | 10 | 11 | 110 | 10 | 69-130 | 20 |
| 1,3,5-Trimethylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 64-130 | 20 |
| 1,2,4-Trimethylbenzene | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| 1,4-Dioxane | 500 | 580 | 116 | 500 | 620 | 124 | 7 | 56-162 | 20 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-24I | Matrix : WATER |
| Lab Sample ID : L2267729-06 | Analysis Date : 12/07/22 11:41 |
| Matrix Spike : WG1720634-6 | MS Analysis Date : 12/07/22 16:45 |
| Matrix Spike Dup : WG1720634-7 | MSD Analysis Date : 12/07/22 17:08 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--------------------------|---------------------|---------------------|--------------------|-----|------------------------|--------------------|-----|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Methylene chloride | ND | 10 | 13 | 130 | 10 | 12 | 120 | 8 | 70-130 | 20 |
| 1,1-Dichloroethane | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Chloroform | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Carbon tetrachloride | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 63-132 | 20 |
| Tetrachloroethene | ND | 10 | 12 | 120 | 10 | 12 | 120 | 0 | 70-130 | 20 |
| Chlorobenzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 75-130 | 20 |
| 1,2-Dichloroethane | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 70-130 | 20 |
| 1,1,1-Trichloroethane | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 67-130 | 20 |
| Benzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Toluene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Ethylbenzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Vinyl chloride | 15 | 10 | 26 | 110 | 10 | 24 | 90 | 8 | 55-140 | 20 |
| 1,1-Dichloroethene | ND | 10 | 13 | 130 | 10 | 12 | 120 | 8 | 61-145 | 20 |
| trans-1,2-Dichloroethene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| Trichloroethene | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 70-130 | 20 |
| 1,2-Dichlorobenzene | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 70-130 | 20 |
| 1,3-Dichlorobenzene | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 70-130 | 20 |
| 1,4-Dichlorobenzene | ND | 10 | 10 | 100 | 10 | 10 | 100 | 0 | 70-130 | 20 |
| Methyl tert butyl ether | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 63-130 | 20 |
| p/m-Xylene | ND | 20 | 23 | 115 | 20 | 22 | 110 | 4 | 70-130 | 20 |
| o-Xylene | ND | 20 | 24 | 120 | 20 | 22 | 110 | 9 | 70-130 | 20 |
| cis-1,2-Dichloroethene | 5.8 | 10 | 18 | 122 | 10 | 17 | 112 | 6 | 70-130 | 20 |



Matrix Spike Sample Summary

Form 3

Volatiles

| | |
|---|------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-24I | Matrix : WATER |
| Lab Sample ID : L2267729-06 | Analysis Date : 12/07/22 11:41 |
| Matrix Spike : WG1720634-6 | MS Analysis Date : 12/07/22 16:45 |
| Matrix Spike Dup : WG1720634-7 | MSD Analysis Date : 12/07/22 17:08 |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|------------------------|---------------------|---------------------|--------------------|-------|------------------------|--------------------|-----|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Acetone | ND | 10 | 13 | 130 | 10 | 12 | 120 | 8 | 58-148 | 20 |
| 2-Butanone | ND | 10 | 14 | 140 Q | 10 | 12 | 120 | 15 | 63-138 | 20 |
| n-Butylbenzene | ND | 10 | 8.6 | 86 | 10 | 9.5 | 95 | 10 | 53-136 | 20 |
| sec-Butylbenzene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 70-130 | 20 |
| tert-Butylbenzene | ND | 10 | 12 | 120 | 10 | 11 | 110 | 9 | 70-130 | 20 |
| n-Propylbenzene | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 69-130 | 20 |
| 1,3,5-Trimethylbenzene | ND | 10 | 11 | 110 | 10 | 11 | 110 | 0 | 64-130 | 20 |
| 1,2,4-Trimethylbenzene | ND | 10 | 11 | 110 | 10 | 10 | 100 | 10 | 70-130 | 20 |
| 1,4-Dioxane | ND | 500 | 620 | 124 | 500 | 690 | 138 | 11 | 56-162 | 20 |



Method Blank Summary

Form 4

Volatiles

| | | | |
|---------------|---------------------------------|----------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab Sample ID | : WG1720634-5 | Lab File ID | : V05221207A05 |
| Instrument ID | : VOA105 | | |
| Matrix | : WATER | Analysis Date | : 12/07/22 08:34 |

| Client Sample No. | Lab Sample ID | Analysis Date |
|-------------------|---------------|----------------|
| WG1720634-3LCS | WG1720634-3 | 12/07/22 07:01 |
| WG1720634-4LCSD | WG1720634-4 | 12/07/22 07:24 |
| FIELD BLANK | L2267729-11 | 12/07/22 08:57 |
| TRIP BLANK | L2267729-12 | 12/07/22 09:20 |
| MW-10 | L2267729-01 | 12/07/22 09:44 |
| MW-19 | L2267729-02 | 12/07/22 10:07 |
| MW-20 | L2267729-03 | 12/07/22 10:31 |
| MW-21 | L2267729-04 | 12/07/22 10:54 |
| MW-23 | L2267729-05 | 12/07/22 11:17 |
| MW-24I | L2267729-06 | 12/07/22 11:41 |
| MW-25I | L2267729-07 | 12/07/22 12:04 |
| MW-D2 | L2267729-08 | 12/07/22 12:27 |
| MW-D2I | L2267729-09 | 12/07/22 12:51 |
| DUP_12022022 | L2267729-10 | 12/07/22 13:14 |
| MW-24IMS | WG1720634-6 | 12/07/22 16:45 |
| MW-24IMSD | WG1720634-7 | 12/07/22 17:08 |



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

| | | | |
|---------------|---------------------------------|----------------|----------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA105 | Analysis Date | : 11/07/22 16:13 |
| Tune Standard | : WG1709321-1 | Tune File ID | : V05221107BFB1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 18.4 |
| 75 | 30.0 - 80.0% of mass 95 | 48.6 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7 |
| 173 | Less than 2.0% of mass 174 | 0.3 (.3)1 |
| 174 | Greater than 50.0% of mass 95 | 90 |
| 175 | 5.0 - 9.0% of mass 174 | 6.6 (7.4)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 88.3 (98.2)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.7 (6.4)2 |

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

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

| Client Sample ID | Lab Sample ID | File ID | Analysis Date/Time |
|------------------|---------------|--------------|--------------------|
| STD.19PPB | R1629909-1 | V05221107N04 | 11/07/22 17:43 |
| STD0.5PPB | R1629909-4 | V05221107N06 | 11/07/22 18:29 |
| STD2.0PPB | R1629909-3 | V05221107N08 | 11/07/22 19:16 |
| STD10PPB | R1629909-2 | V05221107N09 | 11/07/22 19:39 |
| STD30PPB | R1629909-5 | V05221107N10 | 11/07/22 20:03 |
| STD80PPB | R1629909-6 | V05221107N11 | 11/07/22 20:26 |
| STD120PPB | R1629909-7 | V05221107N12 | 11/07/22 20:50 |
| STD200PPB | R1629909-9 | V05221107N13 | 11/07/22 21:13 |
| Correlation Data | R1629909-8 | V05221107N18 | 11/07/22 23:08 |
| ICV Quant Report | R1629909-8 | V05221107N18 | 11/07/22 23:08 |



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

| | | | |
|---------------|---------------------------------|----------------|----------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Instrument ID | : VOA105 | Analysis Date | : 12/07/22 06:47 |
| Tune Standard | : WG1720634-1 | Tune File ID | : V05221207ABF1_tune |

| m/e | Ion Abundance Criteria | %Relative Abundance |
|-----|---|---------------------|
| 50 | 15.0 - 40.0% of mass 95 | 16.7 |
| 75 | 30.0 - 80.0% of mass 95 | 46.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0 (0)1 |
| 174 | Greater than 50.0% of mass 95 | 83.1 |
| 175 | 5.0 - 9.0% of mass 174 | 6.1 (7.3)1 |
| 176 | Greater than 95.0% but less than 101% of mass | 81.7 (98.2)1 |
| 177 | 5.0 - 9.0% of mass 176 | 5.4 (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 |
|------------------|---------------|--------------|--------------------|
| WG1720634-2CCAL | WG1720634-2 | V05221207A01 | 12/07/22 07:01 |
| WG1720634-3LCS | WG1720634-3 | V05221207A01 | 12/07/22 07:01 |
| WG1720634-4LCSD | WG1720634-4 | V05221207A02 | 12/07/22 07:24 |
| WG1720634-5BLANK | WG1720634-5 | V05221207A05 | 12/07/22 08:34 |
| FIELD BLANK | L2267729-11 | V05221207A06 | 12/07/22 08:57 |
| TRIP BLANK | L2267729-12 | V05221207A07 | 12/07/22 09:20 |
| MW-10 | L2267729-01 | V05221207A08 | 12/07/22 09:44 |
| MW-19 | L2267729-02 | V05221207A09 | 12/07/22 10:07 |
| MW-20 | L2267729-03 | V05221207A10 | 12/07/22 10:31 |
| MW-21 | L2267729-04 | V05221207A11 | 12/07/22 10:54 |
| MW-23 | L2267729-05 | V05221207A12 | 12/07/22 11:17 |
| MW-24I | L2267729-06 | V05221207A13 | 12/07/22 11:41 |
| MW-25I | L2267729-07 | V05221207A14 | 12/07/22 12:04 |
| MW-D2 | L2267729-08 | V05221207A15 | 12/07/22 12:27 |
| MW-D2I | L2267729-09 | V05221207A16 | 12/07/22 12:51 |
| DUP_12022022 | L2267729-10 | V05221207A17 | 12/07/22 13:14 |
| WG1720634-6MS | WG1720634-6 | V05221207A26 | 12/07/22 16:45 |
| WG1720634-7MSD | WG1720634-7 | V05221207A27 | 12/07/22 17:08 |



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA105
 Sample No : WG1720634-2

Lab Number : L2267729
 Project Number : 0047.0044Y047
 Analysis Date : 12/07/22 07:01:00
 Lab File ID : V05221207A01

| | Fluorobenzene (IS) | | Chlorobenzene-d5 | | 1,4-Dichlorobenzene-D4 | |
|-------------------|--------------------|------|------------------|------|------------------------|-------|
| | Area | RT | Area | RT | Area | RT |
| WG1720634-2 | 494534 | 5.81 | 389222 | 9.32 | 220188 | 12.07 |
| Upper Limit | 989068 | 6.31 | 778444 | 9.82 | 440376 | 12.57 |
| Lower Limit | 247267 | 5.31 | 194611 | 8.82 | 110094 | 11.57 |
| Sample ID | | | | | | |
| WG1720634-3 LCS | 494534 | 5.81 | 389222 | 9.32 | 220188 | 12.07 |
| WG1720634-4 LCSD | 483265 | 5.81 | 378461 | 9.32 | 215639 | 12.07 |
| WG1720634-5 BLANK | 475503 | 5.81 | 378603 | 9.32 | 213351 | 12.07 |
| FIELD BLANK | 467386 | 5.81 | 374485 | 9.32 | 212887 | 12.07 |
| TRIP BLANK | 465478 | 5.81 | 375683 | 9.32 | 211866 | 12.07 |
| MW-10 | 470013 | 5.81 | 373053 | 9.32 | 214722 | 12.07 |
| MW-19 | 464402 | 5.81 | 367096 | 9.32 | 210979 | 12.07 |
| MW-20 | 468116 | 5.81 | 372682 | 9.32 | 212063 | 12.07 |
| MW-21 | 452269 | 5.81 | 365677 | 9.32 | 206451 | 12.07 |
| MW-23 | 460406 | 5.81 | 364362 | 9.32 | 209784 | 12.07 |
| MW-24I | 453325 | 5.81 | 361571 | 9.32 | 202509 | 12.07 |
| MW-25I | 444681 | 5.81 | 359097 | 9.32 | 204649 | 12.07 |
| MW-D2 | 449239 | 5.81 | 358095 | 9.32 | 201153 | 12.07 |
| MW-D2I | 455578 | 5.81 | 360725 | 9.32 | 202920 | 12.07 |
| DUP_12022022 | 456160 | 5.81 | 363811 | 9.32 | 206149 | 12.07 |
| MW-24I MS | 461988 | 5.81 | 366350 | 9.32 | 213230 | 12.07 |
| MW-24I MSD | 466531 | 5.81 | 366842 | 9.32 | 213838 | 12.07 |

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: 06/19/18
 Created By: Jason Hebert
 File: PM5049-1
 Page: 1

Volatile Organics - EPA 8260C (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 | 0.210 | 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 | | | |
| 1,3-Dichloropropene, Total | 542-75-6 | 0.5 | 0.144 | ug/l | | | | 20 | 20 | | | |
| 1,1-Dichloropropene | 563-58-6 | 2.5 | 0.240 | 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 | 0.200 | 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 | | | |
| 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 | 0.330 | ug/l | | | | 20 | 20 | | | |
| Xylene (Total) | 1330-20-7 | 1 | 0.330 | 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 | | | |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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 File: PM5049-1
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Volatile Organics - EPA 8260C (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 | | |
|-----------------------------|----------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| 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 | | | |
| 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 | 0.430 | 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 | 0.220 | 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 | | | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 2 | 0.141 | ug/l | 70-130 | 20 | 70-130 | 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 | | | |
| Methyl Acetate | 79-20-9 | 10 | 0.234 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Ethyl Acetate | 141-78-6 | 10 | 0.716 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Isopropyl Ether | 108-20-3 | 2 | 0.425 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Cyclohexane | 110-82-7 | 10 | 0.271 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Ethyl-Tert-Butyl-Ether | 637-92-3 | 2 | 0.179 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |

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Volatile Organics - EPA 8260C (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 | | |
|---------------------------------------|------------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--------|
| Tertiary-Amyl Methyl Ether | 994-05-8 | 2 | 0.278 | ug/l | 66-130 | 20 | 66-130 | 20 | 20 | | | |
| 1,4-Dioxane | 123-91-1 | 250 | 60.8 | ug/l | 56-162 | 20 | 56-162 | 20 | 20 | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 10 | 0.148 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| Methyl cyclohexane | 108-87-2 | 10 | 0.396 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 1,4-Diethylbenzene | 105-05-5 | 2 | 0.392 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 4-Ethyltoluene | 622-96-8 | 2 | 0.340 | ug/l | 70-130 | 20 | 70-130 | 20 | 20 | | | |
| 1,2,4,5-Tetramethylbenzene | 95-93-2 | 2 | 0.542 | ug/l | 70-130 | 20 | 70-130 | 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. (Soll/Solids only)
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 File: PM5047-1
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| 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 | 0.140 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Carbon tetrachloride | 56-23-5 | 1 | 0.230 | 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 | 0.140 | 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 | |
| 1,3-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 | 0.560 | 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 | |
| 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 | |
| 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 | |

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Date Created: 06/19/18
 Created By: Jason Hebert
 File: PM5047-1
 Page: 2

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|-----------------------------|----------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| 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 | |
| Dichlorodifluoromethane | 75-71-8 | 10 | 0.915 | ug/kg | 30-146 | 30 | 30-146 | 30 | 30 | |
| Acetone | 67-64-1 | 10 | 4.81 | 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 | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 2 | 0.173 | ug/kg | 70-139 | 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 | 0.650 | 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 | |
| iso-Propyl Alcohol | 67-63-0 | 100 | 100 | ug/kg | 70-130 | 20 | 70-130 | 20 | 20 | |
| Ethyl ether | 60-29-7 | 2 | 0.341 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Methyl Acetate | 79-20-9 | 4 | 0.950 | ug/kg | 65-130 | 30 | 65-130 | 30 | 30 | |
| Ethyl Acetate | 141-78-6 | 10 | 1.21 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Isopropyl Ether | 108-20-3 | 2 | 0.213 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| Cyclohexane | 110-82-7 | 10 | 0.544 | 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.



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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria | | |
|---------------------------------------|------------|-----|-------|-------|-----------------|---------|----------------|--------|------------------|-----------------------|--|--|
| Ethyl-Tert-Butyl-Ether | 637-92-3 | 2 | 0.128 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Tertiary-Amyl Methyl Ether | 994-05-8 | 2 | 0.176 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,4-Dioxane | 123-91-1 | 100 | 35.1 | ug/kg | 65-136 | 30 | 65-136 | 30 | 30 | | | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | 76-13-1 | 4 | 0.693 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,2-Dichloroethane-d4 | 17060-07-0 | | | | | | | | | 70-130 | | |
| Toluene-d8 | 2037-26-5 | | | | | | | | | 70-130 | | |
| 4-Bromofluorobenzene | 460-00-4 | | | | | | | | | 70-130 | | |
| Dibromofluoromethane | 1868-53-7 | | | | | | | | | 70-130 | | |
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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: 06/19/18
 Created By: Jason Hebert
 File: PM5048-1
 Page: 1

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria | | |
|----------------------------|-------------|-----|------|-------|--------------|---------|-------------|--------|---------------|--------------------|--|--|
| Methylene chloride | 75-09-2 | 250 | 115 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,1-Dichloroethane | 75-34-3 | 50 | 7.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Chloroform | 67-66-3 | 75 | 7.00 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Carbon tetrachloride | 56-23-5 | 50 | 11.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,2-Dichloropropane | 78-87-5 | 50 | 6.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Dibromochloromethane | 124-48-1 | 50 | 7.00 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,1,2-Trichloroethane | 79-00-5 | 50 | 13.4 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Tetrachloroethene | 127-18-4 | 25 | 9.80 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Chlorobenzene | 108-90-7 | 25 | 6.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Trichlorofluoromethane | 75-69-4 | 200 | 34.8 | ug/kg | 70-139 | 30 | 70-139 | 30 | 30 | | | |
| 1,2-Dichloroethane | 107-06-2 | 50 | 12.9 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,1,1-Trichloroethane | 71-55-6 | 25 | 8.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Bromodichloromethane | 75-27-4 | 25 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| trans-1,3-Dichloropropene | 10061-02-6 | 50 | 13.7 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| cis-1,3-Dichloropropene | 10061-01-5 | 25 | 7.90 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,3-Dichloropropene, Total | 542-75-6 | 25 | 7.90 | ug/kg | | | | 30 | 30 | | | |
| 1,3-Dichloropropene, Total | 542-75-6 | 25 | 7.90 | ug/kg | | | | 30 | 30 | | | |
| 1,1-Dichloropropene | 563-58-6 | 25 | 7.95 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Bromoform | 75-25-2 | 200 | 12.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,1,1,2-Tetrachloroethane | 79-34-5 | 25 | 8.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Benzene | 71-43-2 | 25 | 8.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Toluene | 108-88-3 | 50 | 27.2 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Ethylbenzene | 100-41-4 | 50 | 7.05 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Chloromethane | 74-87-3 | 200 | 46.6 | ug/kg | 52-130 | 30 | 52-130 | 30 | 30 | | | |
| Bromomethane | 74-83-9 | 100 | 29.1 | ug/kg | 57-147 | 30 | 57-147 | 30 | 30 | | | |
| Vinyl chloride | 75-01-4 | 50 | 16.8 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | | | |
| Chloroethane | 75-00-3 | 100 | 22.6 | ug/kg | 50-151 | 30 | 50-151 | 30 | 30 | | | |
| 1,1-Dichloroethene | 75-35-4 | 50 | 11.9 | ug/kg | 65-135 | 30 | 65-135 | 30 | 30 | | | |
| trans-1,2-Dichloroethene | 156-60-5 | 75 | 6.85 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Trichloroethene | 79-01-6 | 25 | 6.85 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,2-Dichlorobenzene | 95-50-1 | 100 | 7.20 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,3-Dichlorobenzene | 541-73-1 | 100 | 7.40 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,4-Dichlorobenzene | 106-46-7 | 100 | 8.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Methyl tert butyl ether | 1634-04-4 | 100 | 10.1 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | | | |
| p/m-Xylene | 179601-23-1 | 100 | 28.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| o-Xylene | 95-47-6 | 50 | 14.6 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| Xylene (Total) | 1330-20-7 | 50 | 14.6 | ug/kg | | | | 30 | 30 | | | |
| Xylene (Total) | 1330-20-7 | 50 | 14.6 | ug/kg | | | | 30 | 30 | | | |
| cis-1,2-Dichloroethene | 156-59-2 | 50 | 8.75 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | | | |
| 1,2-Dichloroethene (total) | 540-59-0 | 50 | 6.85 | ug/kg | | | | 30 | 30 | | | |
| 1,2-Dichloroethene (total) | 540-59-0 | 50 | 6.85 | ug/kg | | | | 30 | 30 | | | |
| Dibromomethane | 74-95-3 | 100 | 11.9 | 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)
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Date Created: 06/19/18
 Created By: Jason Hebert
 File: PM5048-1
 Page: 2

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
 Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Surrogate Criteria |
|-----------------------------|----------|------|------|-------|--------------|---------|-------------|--------|---------------|--------------------|
| 1,4-Dichlorobutane | 110-56-5 | 500 | 11.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,3-Trichloropropane | 96-18-4 | 100 | 6.35 | ug/kg | 68-130 | 30 | 68-130 | 30 | 30 | |
| Styrene | 100-42-5 | 50 | 9.80 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Dichlorodifluoromethane | 75-71-8 | 500 | 45.8 | ug/kg | 30-146 | 30 | 30-146 | 30 | 30 | |
| Acetone | 67-64-1 | 500 | 241 | ug/kg | 54-140 | 30 | 54-140 | 30 | 30 | |
| Carbon disulfide | 75-15-0 | 500 | 228 | ug/kg | 59-130 | 30 | 59-130 | 30 | 30 | |
| 2-Butanone | 78-93-3 | 500 | 111 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Vinyl acetate | 108-05-4 | 500 | 108 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 4-Methyl-2-pentanone | 108-10-1 | 500 | 64.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 2-Hexanone | 591-78-6 | 500 | 59.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Ethyl methacrylate | 97-63-2 | 500 | 79.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Acrylonitrile | 107-13-1 | 200 | 57.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromochloromethane | 74-97-5 | 100 | 10.3 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Tetrahydrofuran | 109-99-9 | 200 | 79.5 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| 2,2-Dichloropropane | 594-20-7 | 100 | 10.1 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dibromoethane | 106-93-4 | 50 | 14.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3-Dichloropropane | 142-28-9 | 100 | 8.35 | ug/kg | 69-130 | 30 | 69-130 | 30 | 30 | |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 25 | 6.60 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Bromobenzene | 108-86-1 | 100 | 7.25 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| n-Butylbenzene | 104-51-8 | 50 | 8.35 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| sec-Butylbenzene | 135-98-8 | 50 | 7.30 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| tert-Butylbenzene | 98-06-6 | 100 | 5.90 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3,5-Trichlorobenzene | 108-70-3 | 100 | 8.65 | ug/kg | 70-139 | 30 | 70-130 | 30 | 30 | |
| o-Chlorotoluene | 95-49-8 | 100 | 9.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| p-Chlorotoluene | 106-43-4 | 100 | 5.40 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 150 | 49.9 | ug/kg | 68-130 | 30 | 68-130 | 30 | 30 | |
| Hexachlorobutadiene | 87-68-3 | 200 | 8.45 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Isopropylbenzene | 98-82-8 | 50 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| p-Isopropyltoluene | 99-87-6 | 50 | 5.45 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Naphthalene | 91-20-3 | 200 | 32.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| n-Propylbenzene | 103-65-1 | 50 | 8.55 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,3-Trichlorobenzene | 87-61-6 | 100 | 16.1 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,4-Trichlorobenzene | 120-82-1 | 100 | 13.6 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,3,5-Trimethylbenzene | 108-67-8 | 100 | 9.65 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| 1,2,4-Trimethylbenzene | 95-63-6 | 100 | 16.7 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 250 | 71.0 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| iso-Propyl Alcohol | 67-63-0 | 5000 | 5000 | ug/kg | 70-130 | 20 | 70-130 | 20 | 20 | |
| Ethyl ether | 60-29-7 | 100 | 17.1 | ug/kg | 67-130 | 30 | 67-130 | 30 | 30 | |
| Methyl Acetate | 79-20-9 | 200 | 47.5 | ug/kg | 65-130 | 30 | 65-130 | 30 | 30 | |
| Ethyl Acetate | 141-78-6 | 500 | 60.5 | ug/kg | 70-130 | 30 | 70-130 | 30 | 30 | |
| Isopropyl Ether | 108-20-3 | 100 | 10.7 | ug/kg | 66-130 | 30 | 66-130 | 30 | 30 | |
| Cyclohexane | 110-82-7 | 500 | 27.2 | 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)
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Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-01 | Date Collected : 12/02/22 11:50 |
| Client ID : MW-10 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 09:44 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A08 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 2.0 | 0.50 | 0.18 | |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 1.0 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 1.9 | 0.50 | 0.18 | |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 6.9 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 6.9 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-01 | Date Collected : 12/02/22 11:50 |
| Client ID : MW-10 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 09:44 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A08 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-02 | Date Collected : 12/02/22 08:40 |
| Client ID : MW-19 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 10:07 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A09 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.5 | 0.70 | U |
| 67-66-3 | Chloroform | 5.9 | 2.5 | 0.70 | |
| 56-23-5 | Carbon tetrachloride | ND | 0.50 | 0.13 | U |
| 127-18-4 | Tetrachloroethene | 2.6 | 0.50 | 0.18 | |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.67 | 0.50 | 0.18 | |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 3.9 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 3.9 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-02 | Date Collected | : 12/02/22 08:40 |
| Client ID | : MW-19 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 10:07 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A09 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-03 | Date Collected | : 12/02/22 11:00 |
| Client ID | : MW-20 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 10:31 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A10 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 110 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 14 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 14 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-03 | Date Collected | : 12/02/22 11:00 |
| Client ID | : MW-20 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 10:31 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A10 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-04 | Date Collected : 12/02/22 09:50 |
| Client ID : MW-21 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 10:54 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A11 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 0.47 | 0.50 | 0.18 | J |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 0.60 | 1.0 | 0.07 | J |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.47 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.1 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 5.1 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-04 | Date Collected | : 12/02/22 09:50 |
| Client ID | : MW-21 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 10:54 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A11 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-05 | Date Collected : 12/02/22 12:30 |
| Client ID : MW-23 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 11:17 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A12 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | 0.36 | 0.50 | 0.18 | J |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 0.08 | 1.0 | 0.07 | J |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.56 | 0.50 | 0.18 | |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 4.4 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 4.4 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-05 | Date Collected : 12/02/22 12:30 |
| Client ID : MW-23 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 11:17 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A12 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-06 | Date Collected : 12/02/22 10:50 |
| Client ID : MW-24I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 11:41 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A13 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 15 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.8 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 5.8 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-06 | Date Collected : 12/02/22 10:50 |
| Client ID : MW-24I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 11:41 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A13 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-07 | Date Collected : 12/02/22 11:40 |
| Client ID : MW-25I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 12:04 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A14 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 9.7 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 | 1.7 | 2.5 | 0.70 | J |
| 179601-23-1 | p/m-Xylene | ND | 2.5 | 0.70 | U |
| 95-47-6 | o-Xylene | ND | 2.5 | 0.70 | U |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 25 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 25 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-07 | Date Collected | : 12/02/22 11:40 |
| Client ID | : MW-25I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:04 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A14 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-08 | Date Collected : 12/02/22 09:55 |
| Client ID : MW-D2 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 12:27 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A15 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 82 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.30 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 3.6 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 3.6 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-08 | Date Collected | : 12/02/22 09:55 |
| Client ID | : MW-D2 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:27 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A15 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-09 | Date Collected | : 12/02/22 08:45 |
| Client ID | : MW-D2I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:51 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A16 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | 6.2 | 1.0 | 0.07 | |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.34 | 0.50 | 0.18 | J |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 5.8 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 5.8 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | 54 | 5.0 | 1.5 | |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-09 | Date Collected | : 12/02/22 08:45 |
| Client ID | : MW-D2I | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 12:51 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A16 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | 28 | 5.0 | 1.9 | |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary

Form 1

Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-10 | Date Collected : 12/02/22 00:00 |
| Client ID : DUP_12022022 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 13:14 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A17 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 75-34-3 | 1,1-Dichloroethane | ND | 2.5 | 0.70 | U |
| 67-66-3 | Chloroform | 5.7 | 2.5 | 0.70 | |
| 56-23-5 | Carbon tetrachloride | ND | 0.50 | 0.13 | U |
| 127-18-4 | Tetrachloroethene | 2.9 | 0.50 | 0.18 | |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 156-60-5 | trans-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 79-01-6 | Trichloroethene | 0.57 | 0.50 | 0.18 | |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | 4.3 | 2.5 | 0.70 | |
| 540-59-0 | 1,2-Dichloroethene, Total | 4.3 | 2.5 | 0.70 | |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-10 | Date Collected | : 12/02/22 00:00 |
| Client ID | : DUP_12022022 | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 13:14 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A17 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-11 | Date Collected : 12/02/22 12:00 |
| Client ID : FIELD BLANK | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 08:57 |
| Sample Matrix : Field Blank | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A06 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-11 | Date Collected | : 12/02/22 12:00 |
| Client ID | : FIELD BLANK | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 08:57 |
| Sample Matrix | : Field Blank | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A06 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-12 | Date Collected : 12/01/22 00:00 |
| Client ID : TRIP BLANK | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 09:20 |
| Sample Matrix : Trip Blank (aqueous) | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A07 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : L2267729-12 | Date Collected | : 12/01/22 00:00 |
| Client ID | : TRIP BLANK | Date Received | : 12/02/22 |
| Sample Location | : 60-66 GERRY STREET | Date Analyzed | : 12/07/22 09:20 |
| Sample Matrix | : Trip Blank (aqueous) | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A07 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | |
|---|--------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1720634-5 | Date Collected : NA |
| Client ID : WG1720634-5BLANK | Date Received : NA |
| Sample Location : | Date Analyzed : 12/07/22 08:34 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,8260D | Analyst : PID |
| Lab File ID : V05221207A05 | Instrument ID : VOA105 |
| Sample Amount : 10 ml | GC Column : RTX-502.2 |
| Level : LOW | %Solids : N/A |
| Extract Volume (MeOH) : N/A | Injection Volume : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-------------|---------------------------|---------|------|------|-----------|
| | | Results | RL | MDL | |
| 75-09-2 | Methylene chloride | ND | 2.5 | 0.70 | U |
| 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 |
| 127-18-4 | Tetrachloroethene | ND | 0.50 | 0.18 | U |
| 108-90-7 | Chlorobenzene | 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 |
| 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 |
| 75-01-4 | Vinyl chloride | ND | 1.0 | 0.07 | U |
| 75-35-4 | 1,1-Dichloroethene | ND | 0.50 | 0.17 | U |
| 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 |
| 1330-20-7 | Xylenes, Total | ND | 2.5 | 0.70 | U |
| 156-59-2 | cis-1,2-Dichloroethene | ND | 2.5 | 0.70 | U |
| 540-59-0 | 1,2-Dichloroethene, Total | ND | 2.5 | 0.70 | U |
| 67-64-1 | Acetone | ND | 5.0 | 1.5 | U |



Results Summary
Form 1
Volatile Organics by GC/MS

| | | | |
|-----------------------|---------------------------------|------------------|------------------|
| Client | : Roux Env. Eng. & Geology, DPC | Lab Number | : L2267729 |
| Project Name | : FORMER PFIZER INC SITE B&D | Project Number | : 0047.0044Y047 |
| Lab ID | : WG1720634-5 | Date Collected | : NA |
| Client ID | : WG1720634-5BLANK | Date Received | : NA |
| Sample Location | : | Date Analyzed | : 12/07/22 08:34 |
| Sample Matrix | : WATER | Dilution Factor | : 1 |
| Analytical Method | : 1,8260D | Analyst | : PID |
| Lab File ID | : V05221207A05 | Instrument ID | : VOA105 |
| Sample Amount | : 10 ml | GC Column | : RTX-502.2 |
| Level | : LOW | %Solids | : N/A |
| Extract Volume (MeOH) | : N/A | Injection Volume | : N/A |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|----------|------------------------|---------|-----|------|-----------|
| | | Results | RL | MDL | |
| 78-93-3 | 2-Butanone | ND | 5.0 | 1.9 | U |
| 104-51-8 | n-Butylbenzene | ND | 2.5 | 0.70 | U |
| 135-98-8 | sec-Butylbenzene | ND | 2.5 | 0.70 | U |
| 98-06-6 | tert-Butylbenzene | ND | 2.5 | 0.70 | U |
| 103-65-1 | n-Propylbenzene | ND | 2.5 | 0.70 | U |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 2.5 | 0.70 | U |
| 123-91-1 | 1,4-Dioxane | ND | 250 | 61. | U |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A06.d
 Acq On : 7 Dec 2022 8:57 am
 Operator : VOA105:PID
 Sample : 12267729-11,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 07 11:35:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 467386 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 94.51% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 374485 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 96.21% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 212887 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 96.68% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 130820 | 10.036 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.36% | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 135803 | 9.393 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 93.93% | | |
| 60) Toluene-d8 | 7.484 | 98 | 461279 | 10.100 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.00% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 181447 | 10.232 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.32% | | |
| Target Compounds | | | | | | |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | Qvalue |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | |
| 17) Acetone | 3.435 | 43 | 2089M6 | 1.313 | ug/L | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 5.205 | 43 | 89 | | N.D. | |
| 41) Benzene | 5.489 | 78 | 90 | | N.D. | |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 103 | | N.D. | |
| 48) Trichloroethene | 6.027 | 95 | 185 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 7.543 | 92 | 109 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | |
| 74) Ethylbenzene | 9.392 | 91 | 342 | | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A06.d
 Acq On : 7 Dec 2022 8:57 am
 Operator : VOA105:PID
 Sample : 12267729-11,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 07 11:35:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.009 | 91 | 102 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 11.577 | 119 | 207 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 198 | | | N.D. |
| 98) sec-Butylbenzene | 11.773 | 105 | 300 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 11.998 | 146 | 424 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 470 | | | N.D. |
| 103) n-Butylbenzene | 12.370 | 91 | 419 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 12.517 | 146 | 188 | | | N.D. |

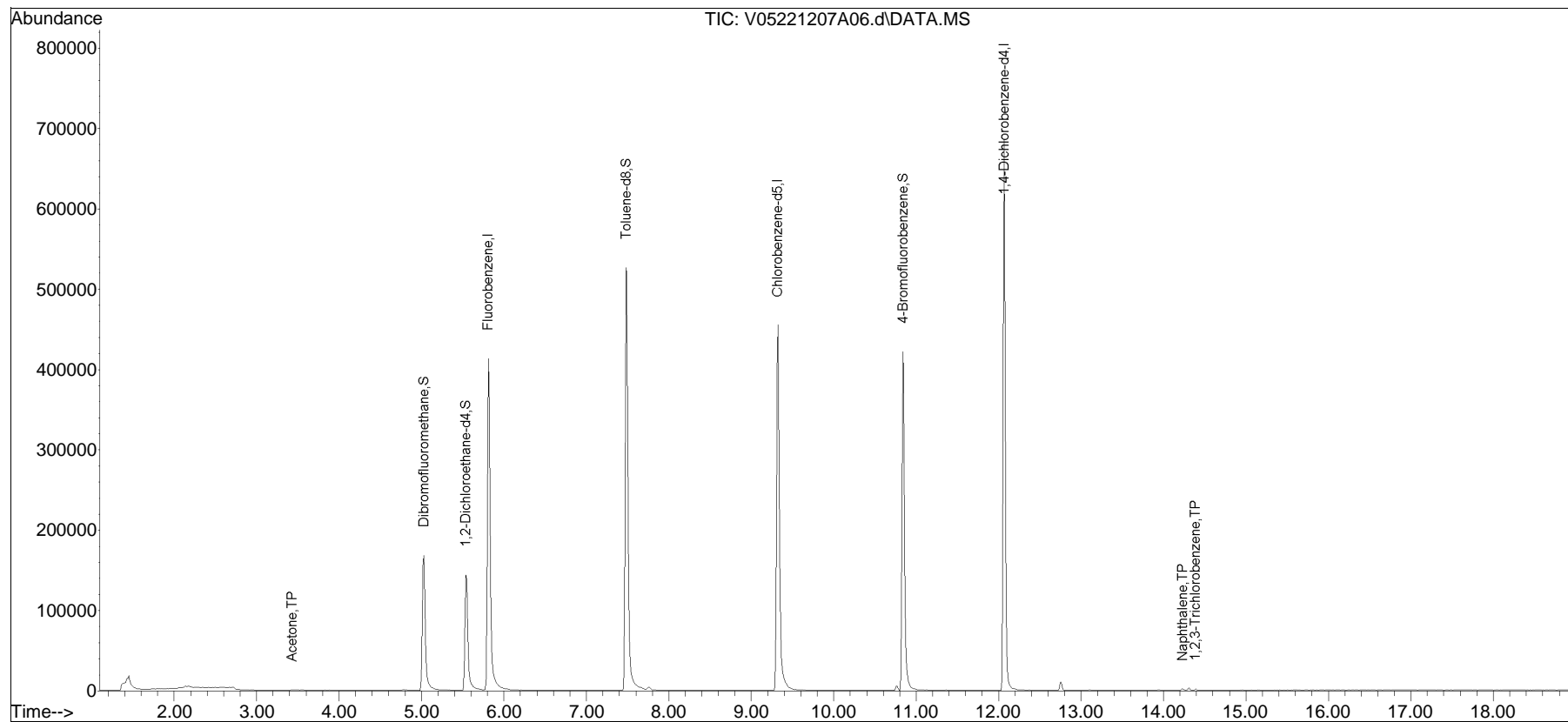
(#) = qualifier out of range (m) = manual integration (+) = signals summed

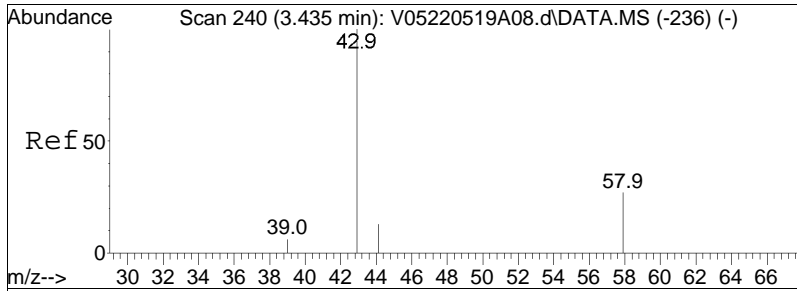
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A06.d
Acq On : 7 Dec 2022 8:57 am
Operator : VOA105:PID
Sample : 12267729-11,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 07 11:35:28 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

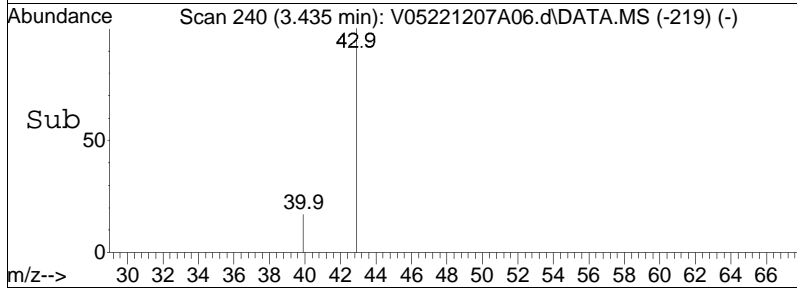
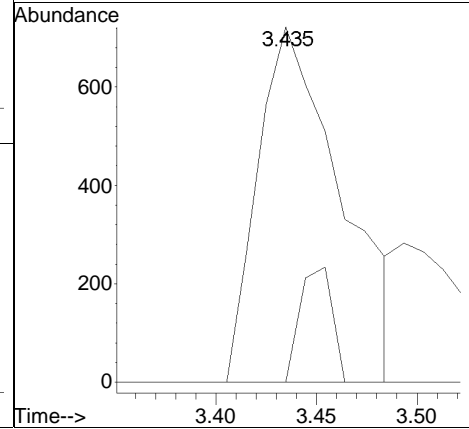
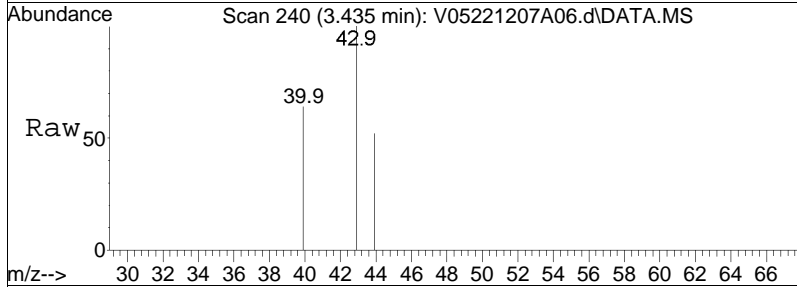
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•





#17
 Acetone
 Concen: 1.31 ug/L M6
 RT: 3.435 min Scan# 240
 Delta R.T. 0.010 min
 Lab File: V05221207A06.d
 Acq: 7 Dec 2022 8:57 am

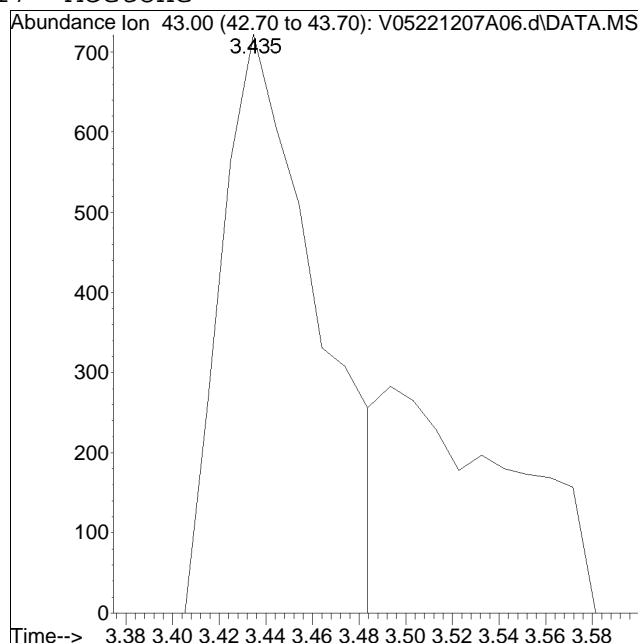
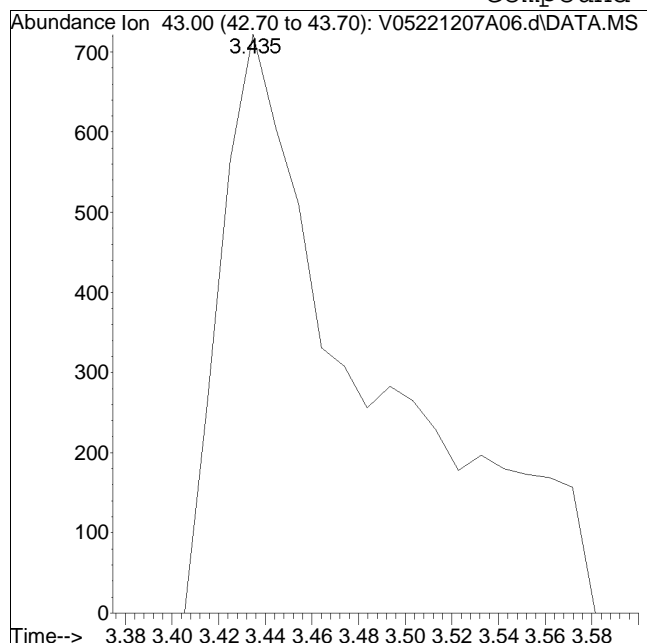
| Tgt Ion | 43 | 58 | Ratio | 100 | 12.5 | 22.0 | Resp | 2089 | Lower | Upper |
|---------|----|----|-------|-----|------|------|------|------|-------|-------|
| | | | | | | | | | | |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A06.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 8:57 am Instrument : VOA 105
Sample : 12267729-11,31,10,10,,c,prQuant Date : 12/7/2022 11:32 am

Compound #17: Acetone



Original Peak Response = 3164

Manual Peak Response = 2089 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A07.d
 Acq On : 7 Dec 2022 9:20 am
 Operator : VOA105:PID
 Sample : 12267729-12,31,10,10,,a,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 11:35:40 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 465478 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 94.12% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 375683 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 96.52% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 211866 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 96.22% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 130458 | 10.049 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.49% | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 138685 | 9.632 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.32% | | |
| 60) Toluene-d8 | 7.484 | 98 | 460303 | 10.047 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.47% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 180087 | 10.205 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.05% | | |
| Target Compounds | | | | | | |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | Qvalue |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | |
| 17) Acetone | 0.000 | | 0 | | N.D. | d |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | |
| 32) Chloroform | 0.000 | | 0 | | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | |
| 41) Benzene | 0.000 | | 0 | | N.D. | |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 94 | | N.D. | |
| 48) Trichloroethene | 5.997 | 95 | 269 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | |
| 74) Ethylbenzene | 9.324 | 91 | 611 | | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A07.d
 Acq On : 7 Dec 2022 9:20 am
 Operator : VOA105:PID
 Sample : 12267729-12,31,10,10,,a,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 11:35:40 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.018 | 91 | 99 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.763 | 105 | 227 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 227 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.086 | 146 | 258 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 258 | | | N.D. |
| 103) n-Butylbenzene | 12.380 | 91 | 133 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 12.527 | 146 | 93 | | | N.D. |

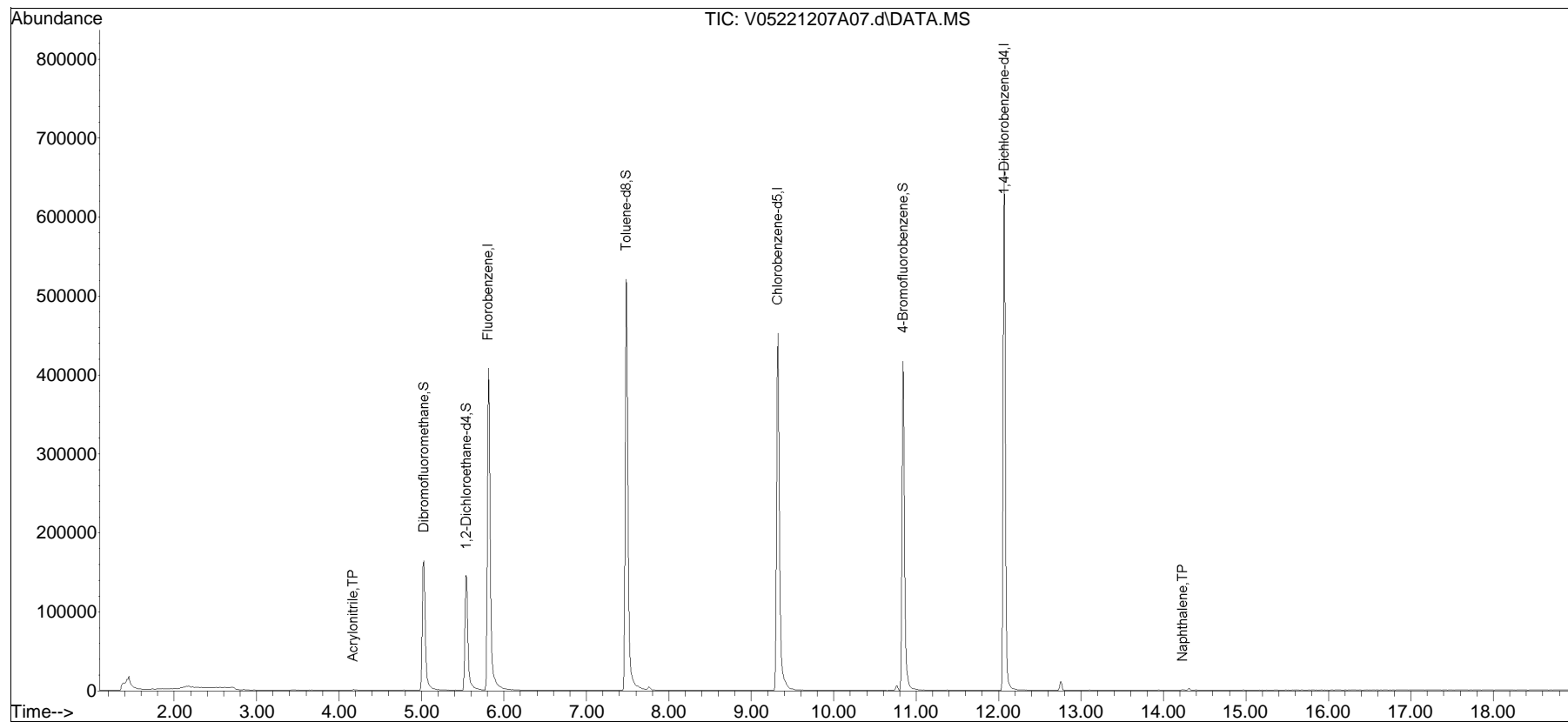
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A07.d
Acq On : 7 Dec 2022 9:20 am
Operator : VOA105:PID
Sample : 12267729-12,31,10,10,,a,pri
Misc : WG1720634,ICAL19461
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 07 11:35:40 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A07.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 9:20 am Instrument : VOA 105
Sample : 12267729-12,31,10,10,,a,prQuant Date : 12/7/2022 11:32 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A08.d
 Acq On : 7 Dec 2022 9:44 am
 Operator : VOA105:PID
 Sample : 12267729-01,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 07 11:35:55 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 470013 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 95.04% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 373053 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 95.85% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 214722 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 97.52% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 132984 | 10.145 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.45% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 137507 | 9.458 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.58% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 459596 | 10.102 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.02% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 179091 | 10.013 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.13% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 15361 | 1.021 | ug/L | | 94 |
| 10) 1,1-Dichloroethene | 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 | 3.523 | 96 | 764 | N.D. | | | |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 958 | N.D. | | | |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 181 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 91079 | 6.895 | ug/L | | 94 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 5.420 | 78 | 207 | N.D. | | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 48) Trichloroethene | 5.988 | 95 | 26028 | 1.897 | ug/L | | 96 |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 7.983 | 166 | 27318 | 1.970 | ug/L | | 93 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.402 | 91 | 92 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A08.d
 Acq On : 7 Dec 2022 9:44 am
 Operator : VOA105:PID
 Sample : 12267729-01,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 07 11:35:55 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 421 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 11.244 | 105 | 115 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.655 | 105 | 778 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 103 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.076 | 146 | 248 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 248 | | | N.D. |
| 103) n-Butylbenzene | 12.370 | 91 | 191 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 12.527 | 146 | 121 | | | N.D. |

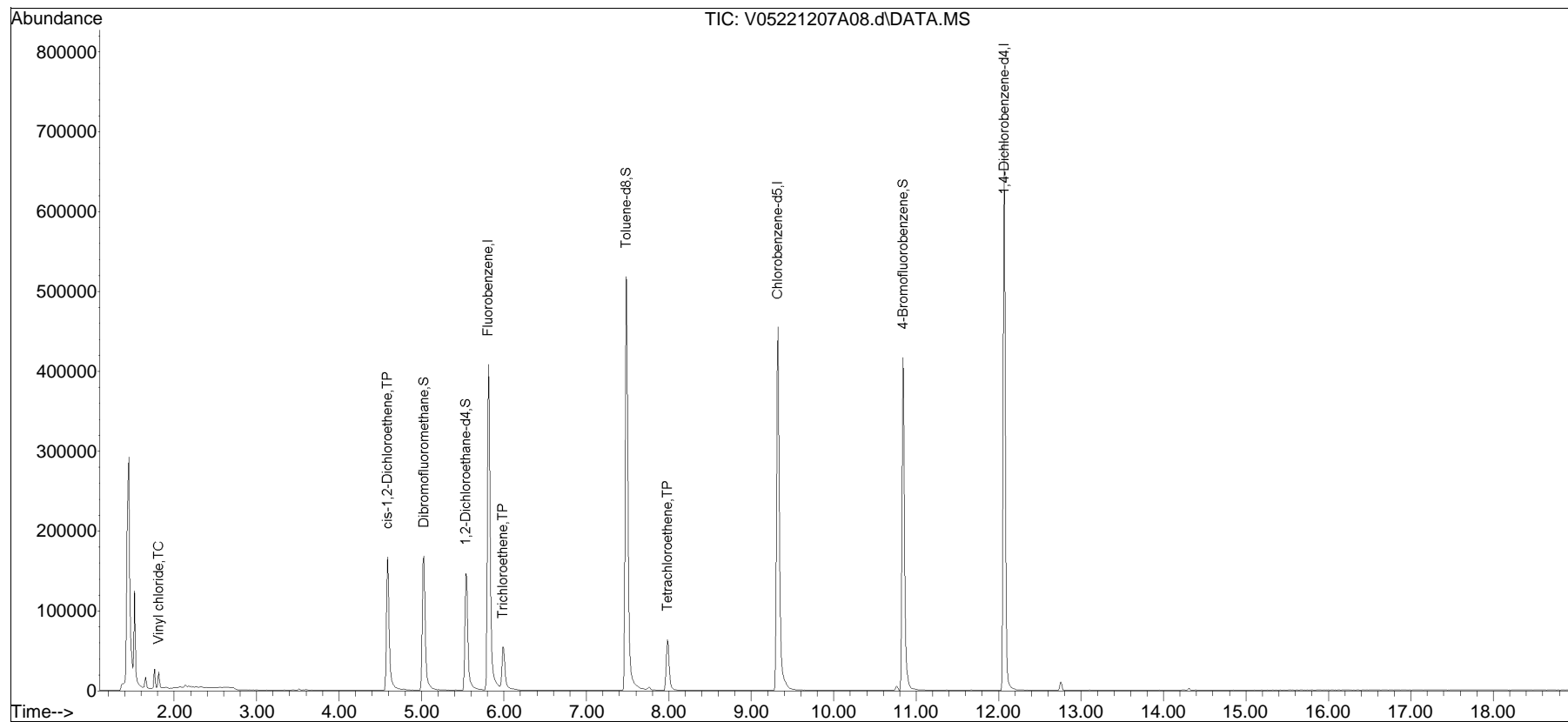
(#) = qualifier out of range (m) = manual integration (+) = signals summed

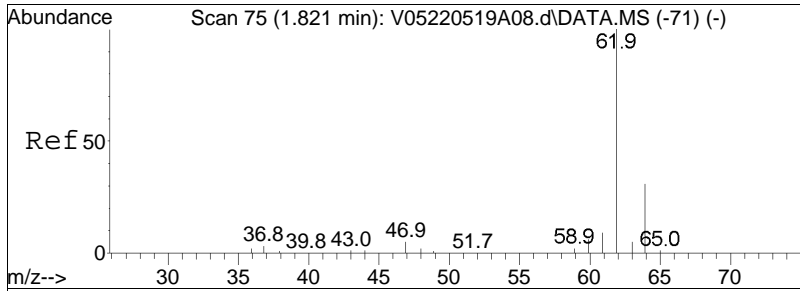
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A08.d
Acq On : 7 Dec 2022 9:44 am
Operator : VOA105:PID
Sample : 12267729-01,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 07 11:35:55 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

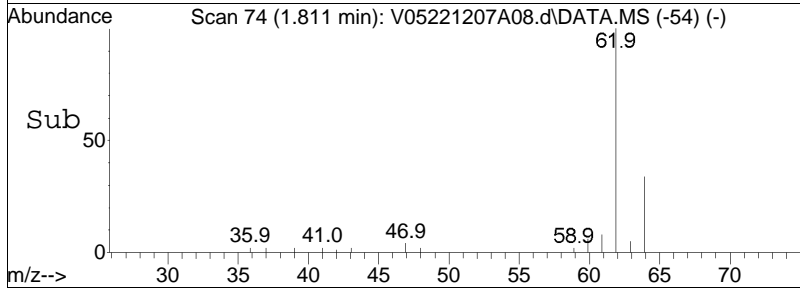
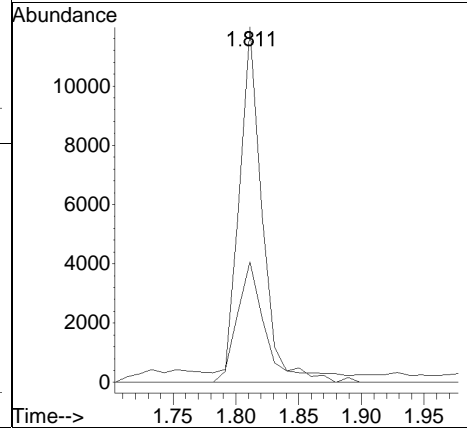
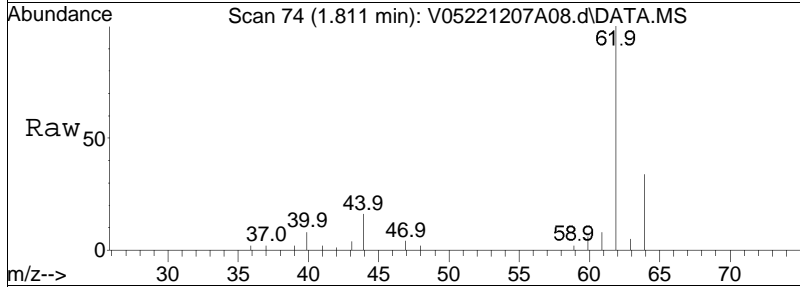
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

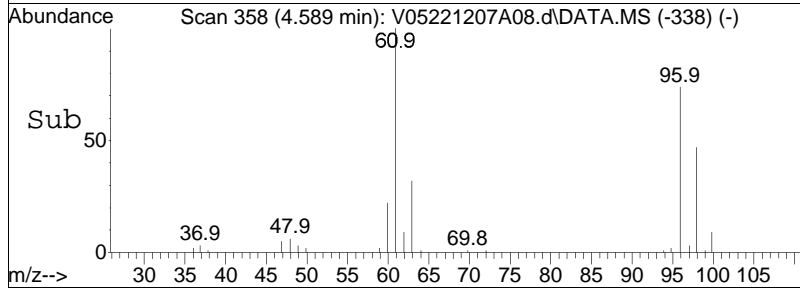
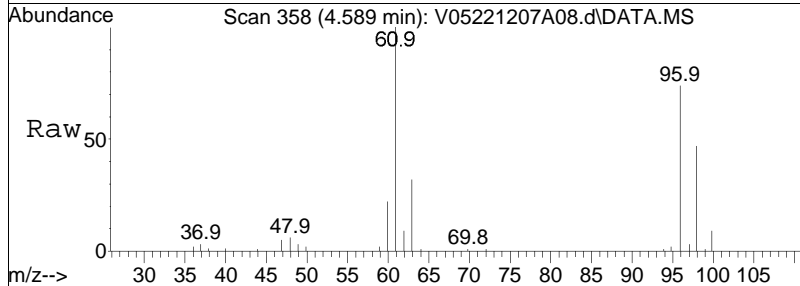
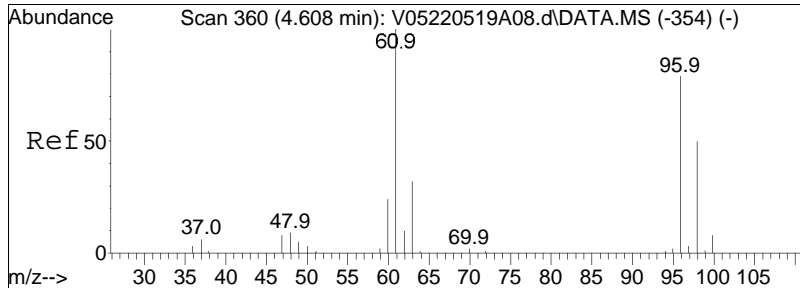




#4
 Vinyl chloride
 Concen: 1.02 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A08.d
 Acq: 7 Dec 2022 9:44 am

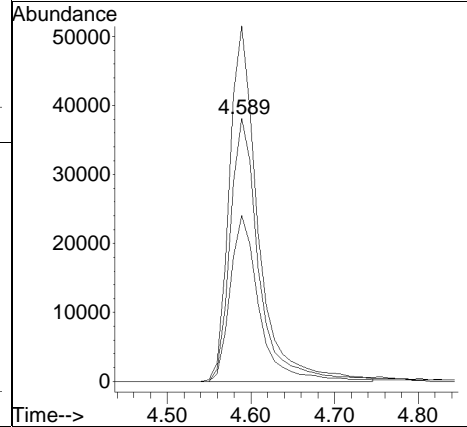
Tgt Ion: 62 Resp: 15361
 Ion Ratio Lower Upper
 62 100
 64 37.1 13.5 53.5

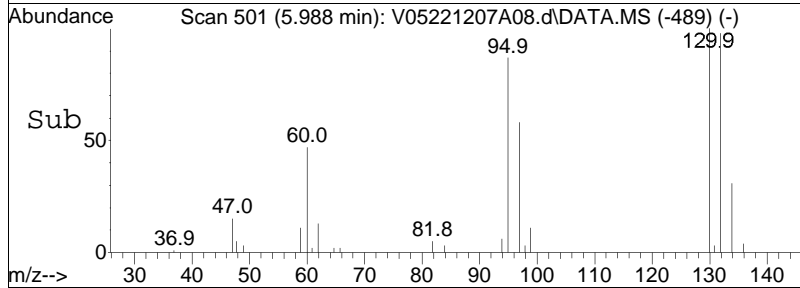
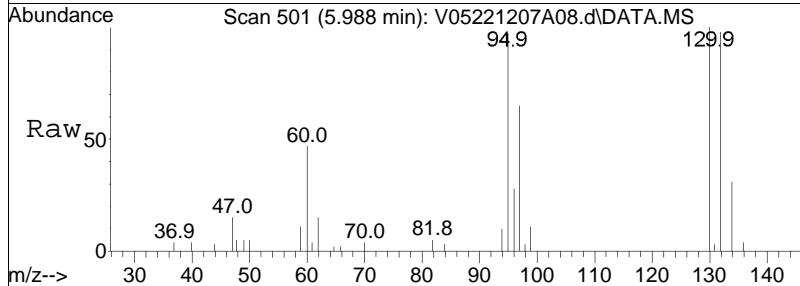
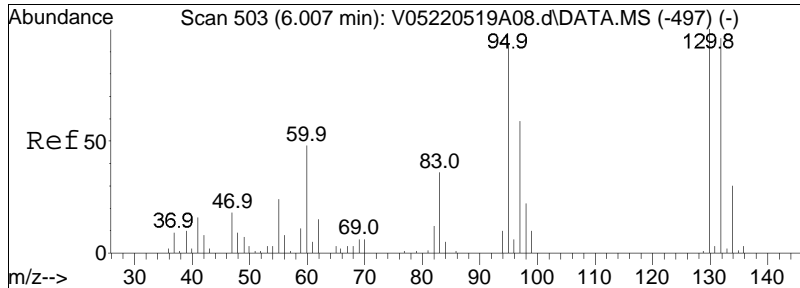




#28
 cis-1,2-Dichloroethene
 Concen: 6.90 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A08.d
 Acq: 7 Dec 2022 9:44 am

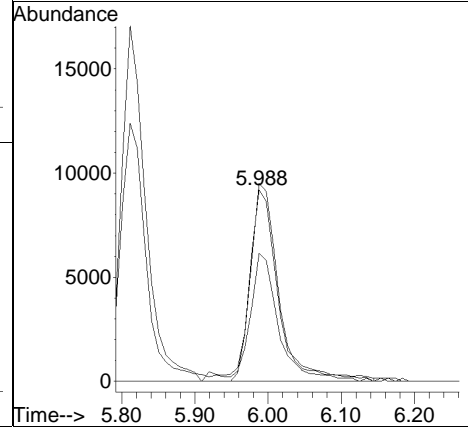
| Tgt Ion: | 96 | Resp: | 91079 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 135.3 | 100.5 | 150.7 |
| 98 | 63.9 | 49.8 | 74.8 |

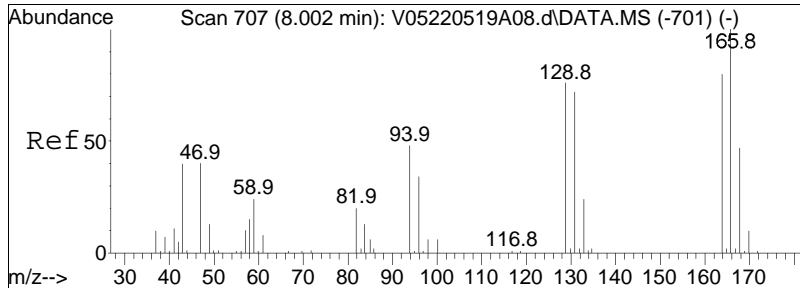




#48
 Trichloroethene
 Concen: 1.90 ug/L
 RT: 5.988 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: V05221207A08.d
 Acq: 7 Dec 2022 9:44 am

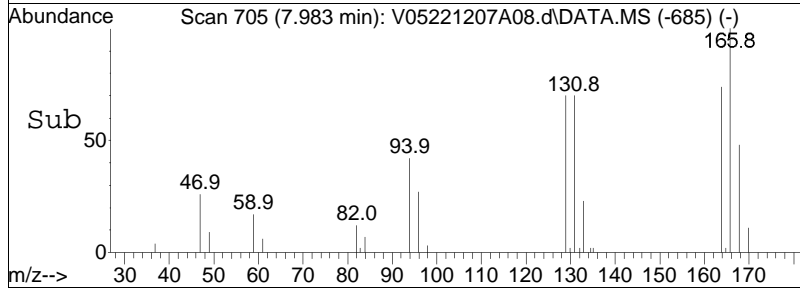
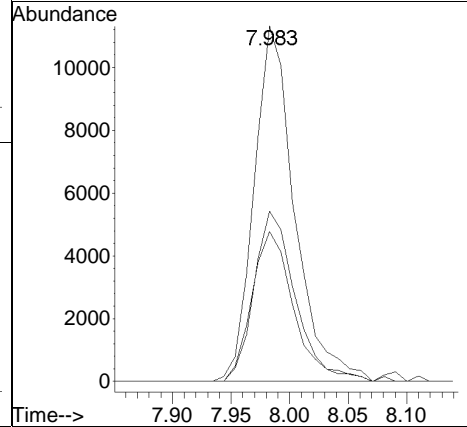
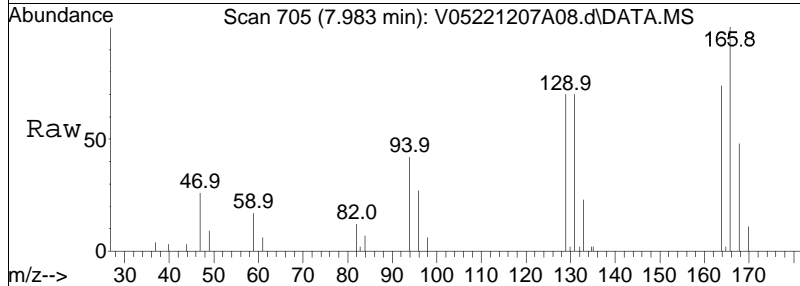
| Tgt Ion: | 95 | Resp: | 26028 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 63.3 | 56.1 | 84.1 |
| 130 | 97.6 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 1.97 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A08.d
 Acq: 7 Dec 2022 9:44 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 48.9 | 30.2 | 70.2 |
| 94 | 43.8 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A08.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 9:44 am Instrument : VOA 105
Sample : 12267729-01,31,10,10,,c,prQuant Date : 12/7/2022 11:33 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A09.d
 Acq On : 7 Dec 2022 10:07 am
 Operator : VOA105:PID
 Sample : 12267729-02,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 11:36:13 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 464402 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 93.91% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 367096 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 94.32% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 210979 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 95.82% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 129294 | 9.982 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.82% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 135830 | 9.456 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.56% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 452017 | 10.097 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.97% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 179796 | 10.231 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.31% | | | |
| Target Compounds | | | | | | Qvalue | |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | | |
| 17) Acetone | 0.000 | | 0 | | N.D. d | | |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 131 | | 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 | 4.589 | 96 | 50805 | 3.893 | ug/L | 95 | |
| 32) Chloroform | 4.853 | 83 | 120024 | 5.860 | ug/L # | 96 | |
| 34) Carbon tetrachloride | 4.853 | 117 | 1274 | | N.D. | | |
| 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. | | |
| 48) Trichloroethene | 5.987 | 95 | 9103 | 0.671 | ug/L | 88 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 0.000 | | 0 | | N.D. | | |
| 63) Tetrachloroethene | 7.983 | 166 | 35510 | 2.602 | ug/L | 91 | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | | |
| 74) Ethylbenzene | 9.314 | 91 | 695 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A09.d
 Acq On : 7 Dec 2022 10:07 am
 Operator : VOA105:PID
 Sample : 12267729-02,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 11:36:13 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 419 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 365 | | | N.D. |
| 98) sec-Butylbenzene | 11.665 | 105 | 365 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.086 | 146 | 90 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 90 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

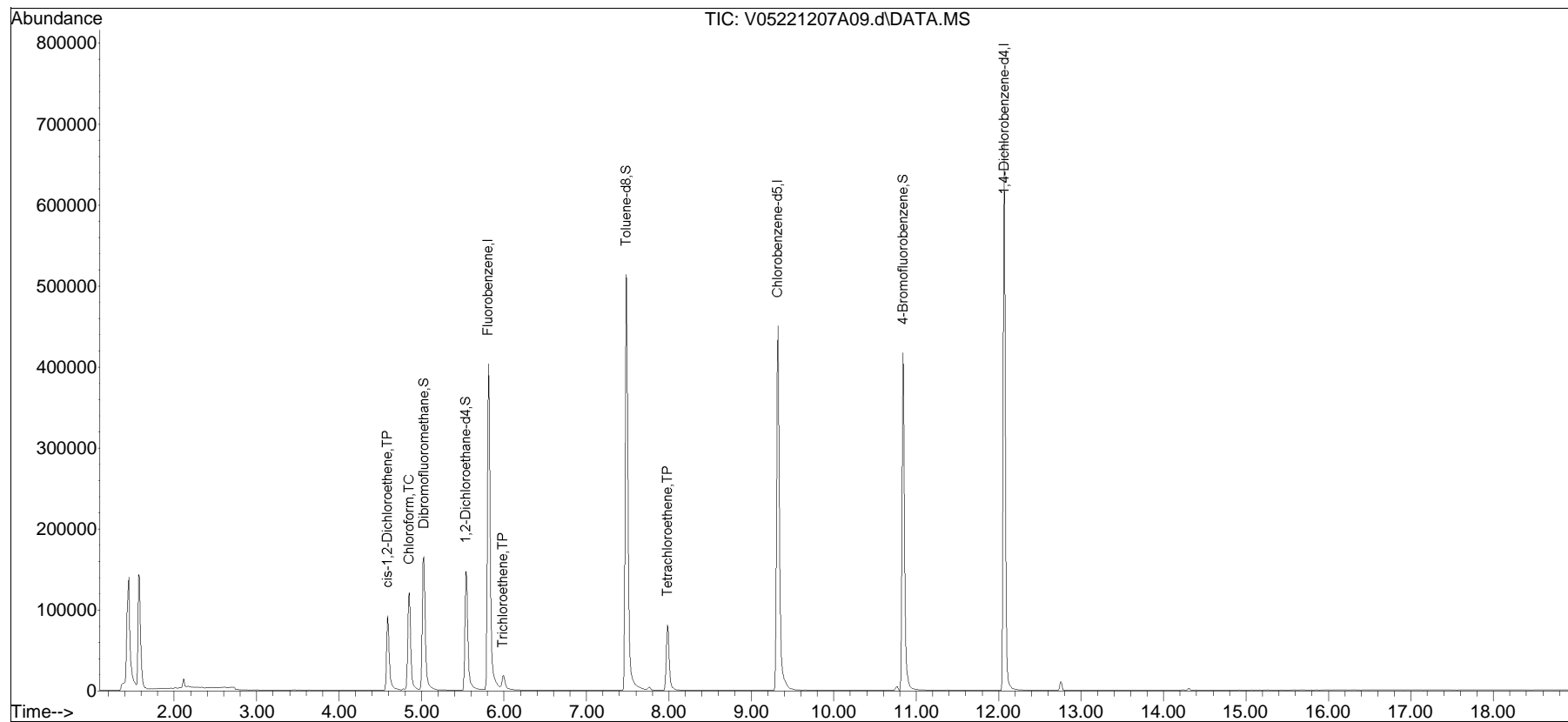
(#) = qualifier out of range (m) = manual integration (+) = signals summed

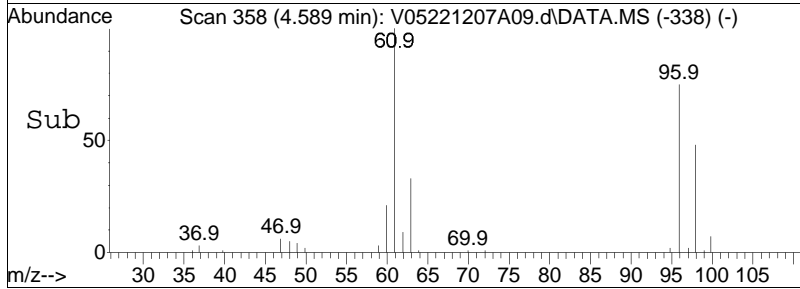
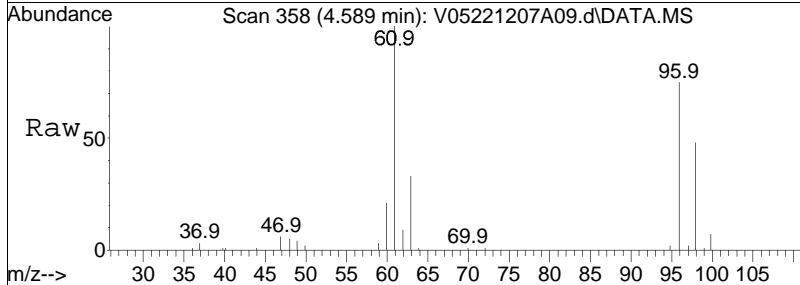
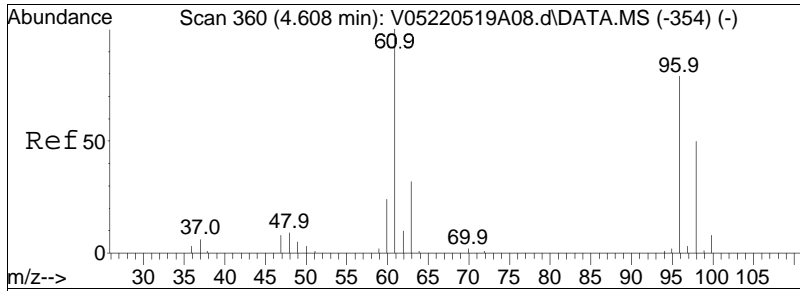
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A09.d
Acq On : 7 Dec 2022 10:07 am
Operator : VOA105:PID
Sample : 12267729-02,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 07 11:36:13 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

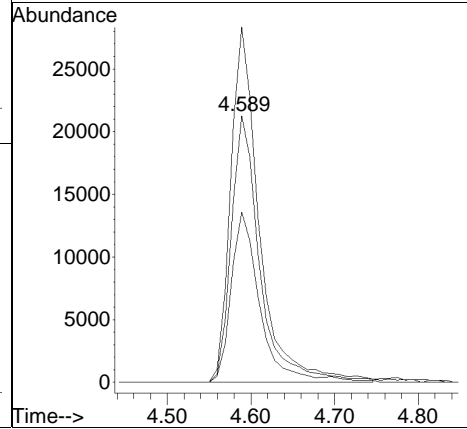
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

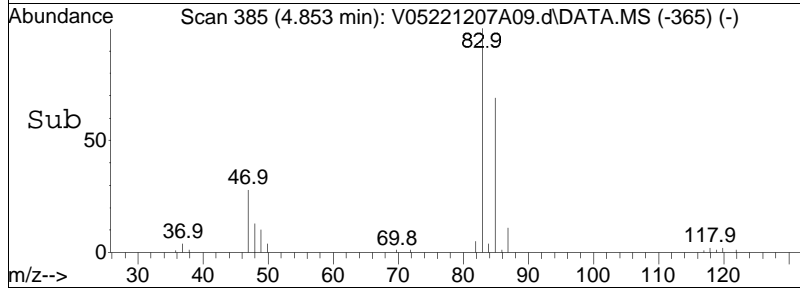
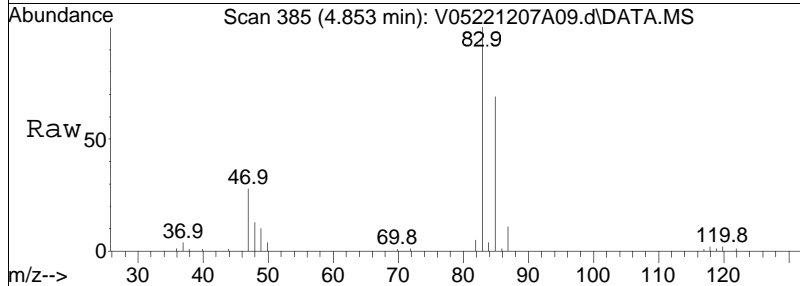
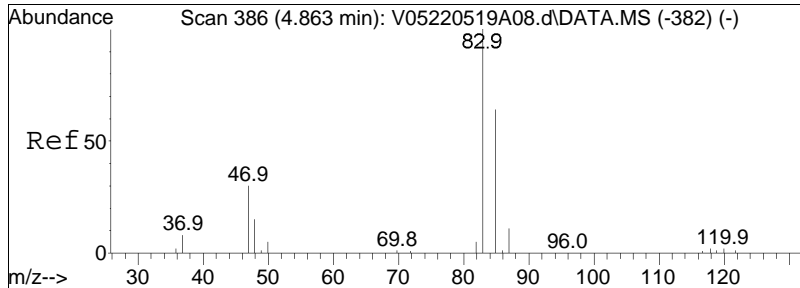




#28
 cis-1,2-Dichloroethene
 Concen: 3.89 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A09.d
 Acq: 7 Dec 2022 10:07 am

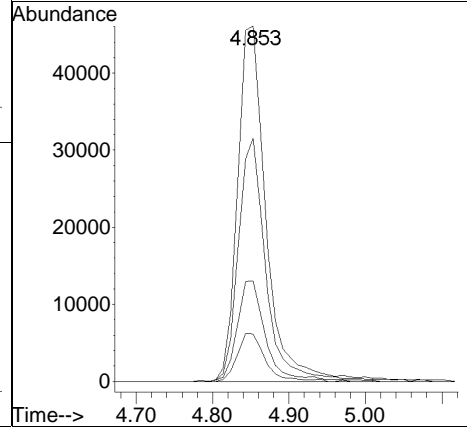
| | | | |
|-----------|-------|-------|-------|
| Tgt Ion: | 96 | Resp: | 50805 |
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 133.3 | 100.5 | 150.7 |
| 98 | 64.5 | 49.8 | 74.8 |

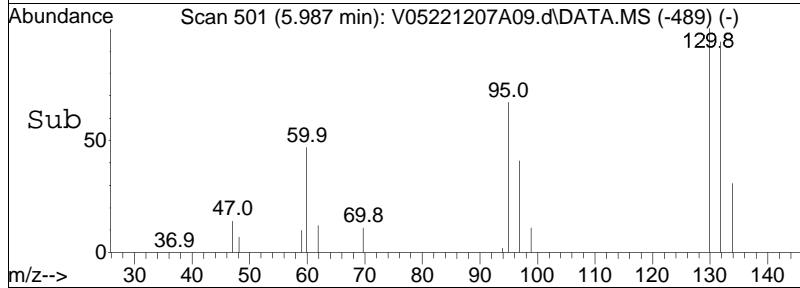
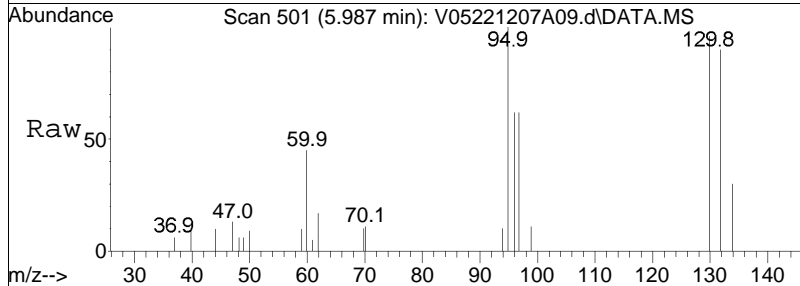
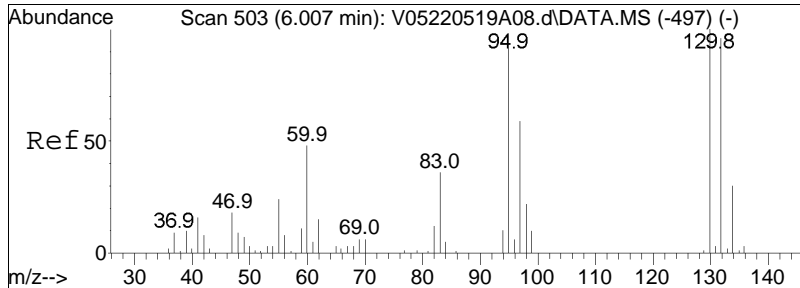




#32
 Chloroform
 Concen: 5.86 ug/L
 RT: 4.853 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: V05221207A09.d
 Acq: 7 Dec 2022 10:07 am

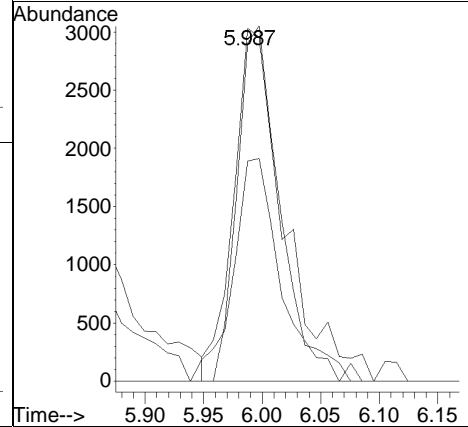
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 66.0 | 42.8 | 89.0 |
| 47 | 28.5 | 13.7 | 28.4# |
| 48 | 13.2 | 6.9 | 14.3 |

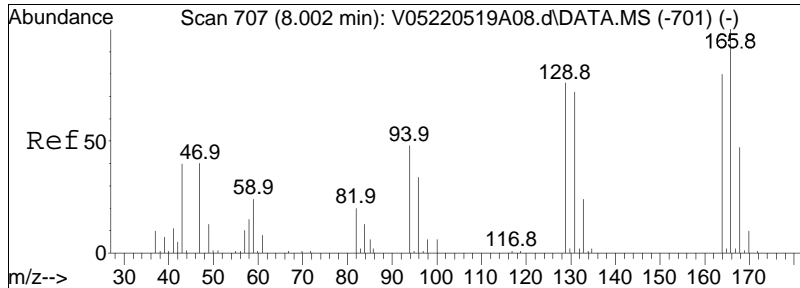




#48
 Trichloroethene
 Concen: 0.67 ug/L
 RT: 5.987 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: V05221207A09.d
 Acq: 7 Dec 2022 10:07 am

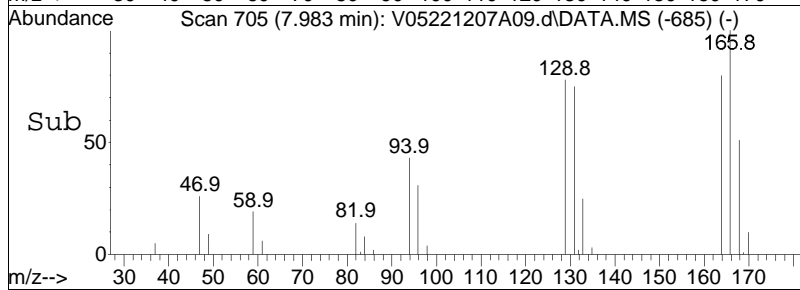
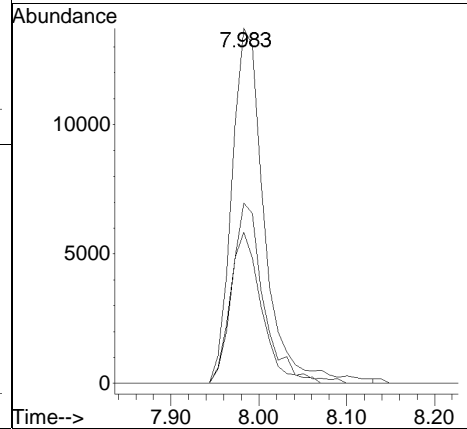
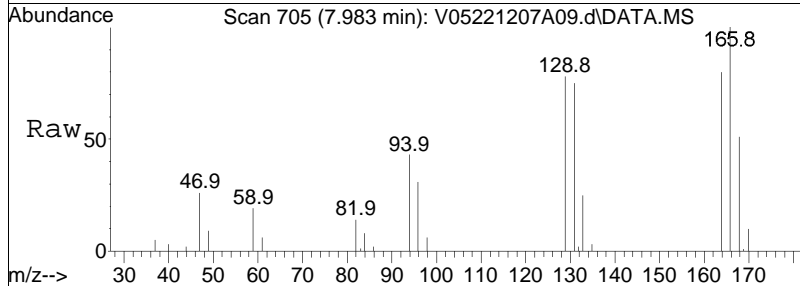
| Tgt Ion: | Resp: | Lower | Upper |
|----------|-------|-------|-------|
| 95 | 9103 | | |
| 95 | 100 | | |
| 97 | 59.8 | 56.1 | 84.1 |
| 130 | 85.5 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 2.60 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A09.d
 Acq: 7 Dec 2022 10:07 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 49.4 | 30.2 | 70.2 |
| 94 | 41.2 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A09.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 10:07 am Instrument : VOA 105
Sample : 12267729-02,31,10,10,,c,prQuant Date : 12/7/2022 11:33 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A10.d
 Acq On : 7 Dec 2022 10:31 am
 Operator : VOA105:PID
 Sample : 12267729-03,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 11:36:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 468116 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 94.66% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 372682 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 95.75% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 212063 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 96.31% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 129434 | 9.914 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.14% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.537 | 65 | 140629 | 9.712 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.12% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 460163 | 10.125 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.25% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 180485 | 10.218 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.18% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 1633060 | 108.934 | ug/L | 98 | Qvalue |
| 10) 1,1-Dichloroethene | 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 | 3.513 | 96 | 363 | N.D. | | | |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 452 | N.D. | | | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 186841 | 14.202 | ug/L | 94 | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 5.166 | 43 | 99 | N.D. | | | |
| 41) Benzene | 5.410 | 78 | 316 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 225 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 1195 | 0.087 | ug/L # | 63 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.543 | 92 | 207 | N.D. | | | |
| 63) Tetrachloroethene | 7.983 | 166 | 434 | N.D. | | | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.333 | 91 | 732 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A10.d
 Acq On : 7 Dec 2022 10:31 am
 Operator : VOA105:PID
 Sample : 12267729-03,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 11:36:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 461 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 290 | | | N.D. |
| 98) sec-Butylbenzene | 11.665 | 105 | 290 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

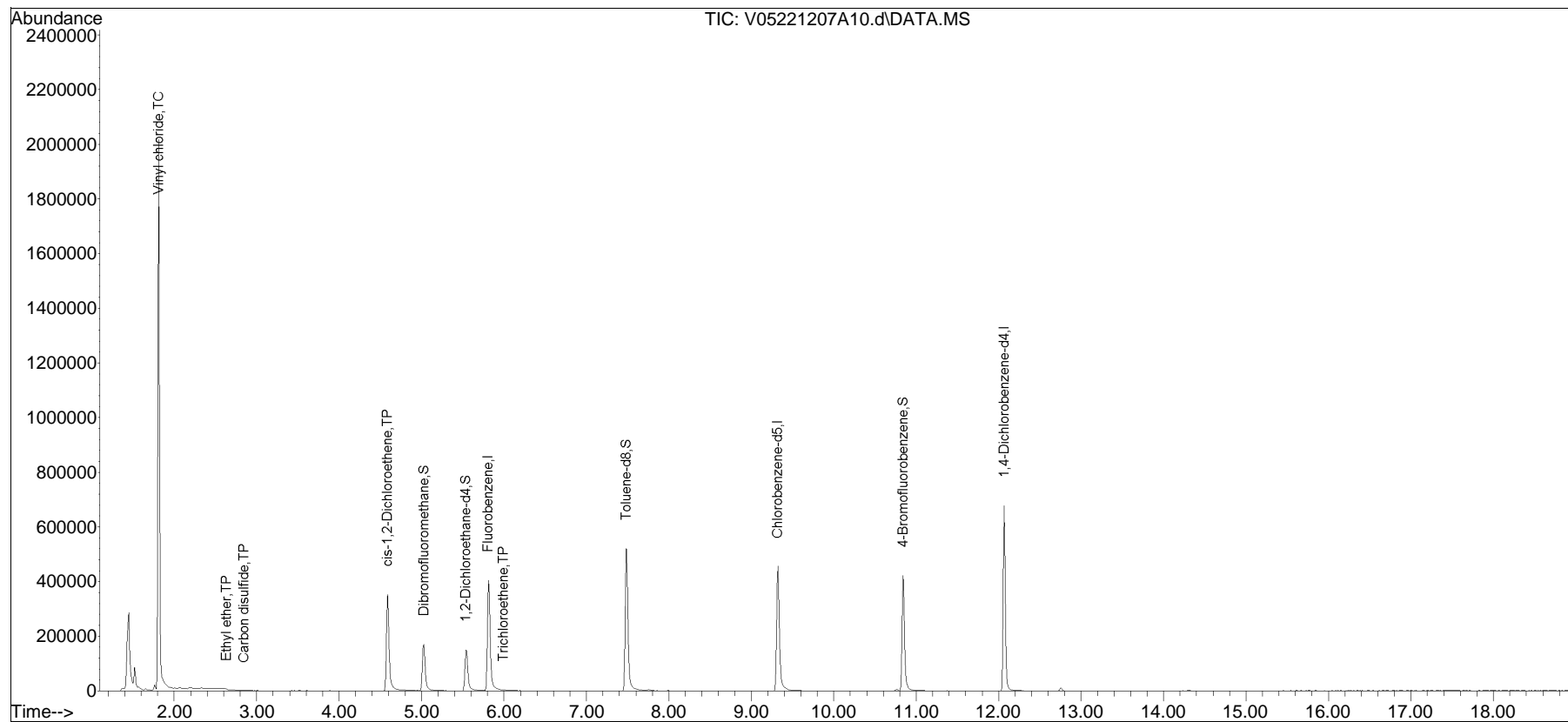
(#) = qualifier out of range (m) = manual integration (+) = signals summed

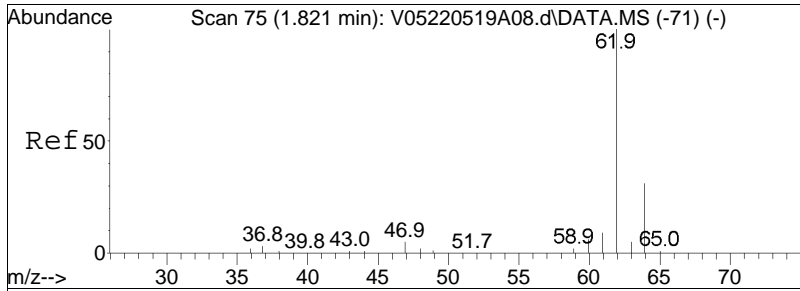
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A10.d
Acq On : 7 Dec 2022 10:31 am
Operator : VOA105:PID
Sample : 12267729-03,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 07 11:36:30 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

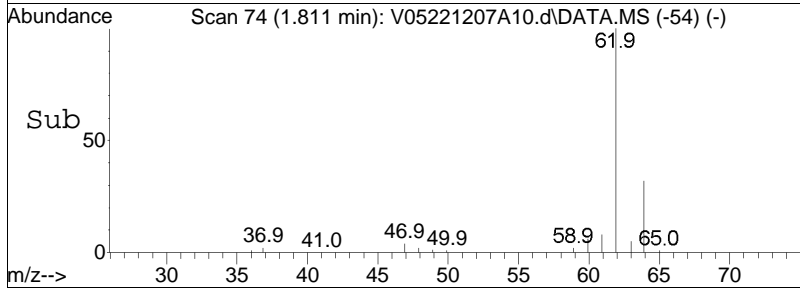
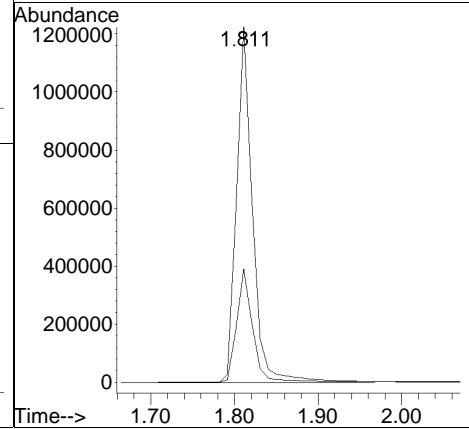
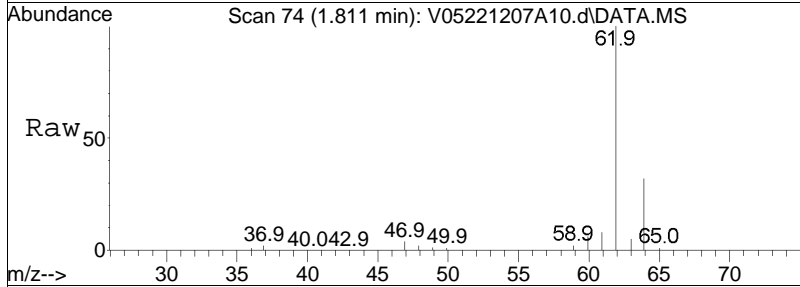
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

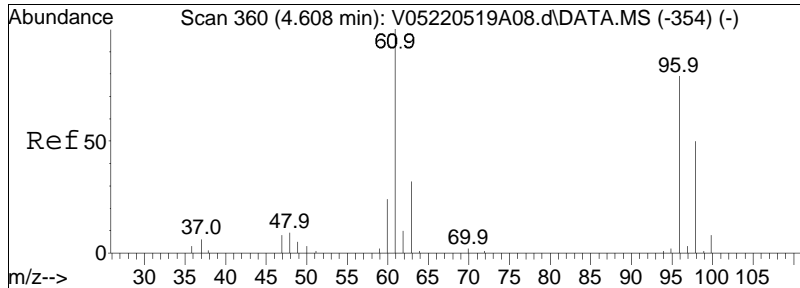




#4
 Vinyl chloride
 Concen: 108.93 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: V05221207A10.d
 Acq: 7 Dec 2022 10:31 am

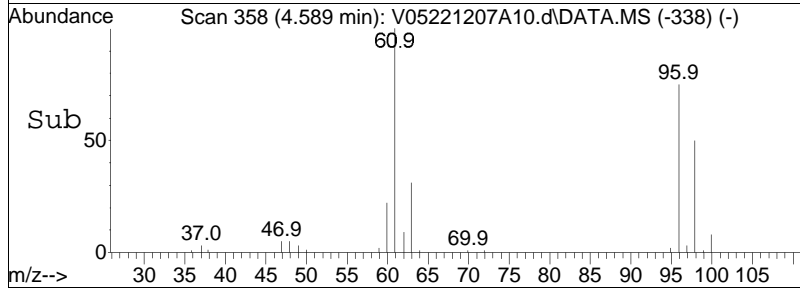
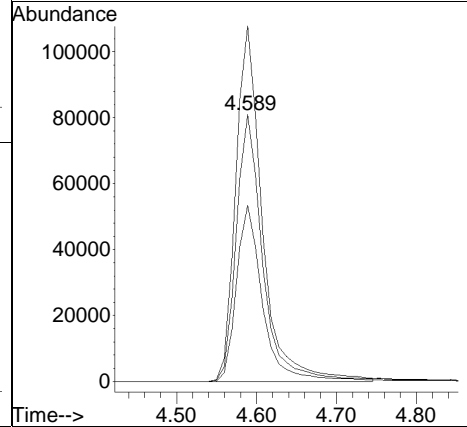
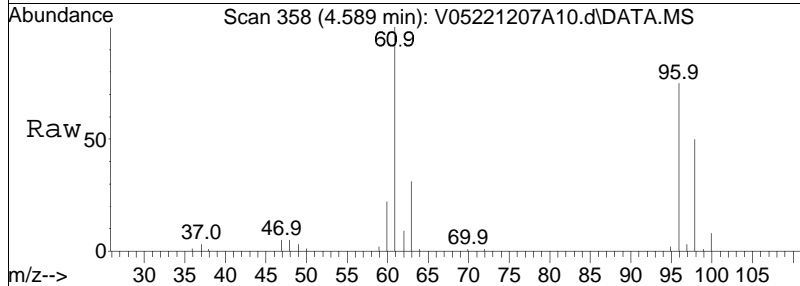
Tgt Ion: 62 Resp: 1633060
 Ion Ratio Lower Upper
 62 100
 64 32.6 13.5 53.5

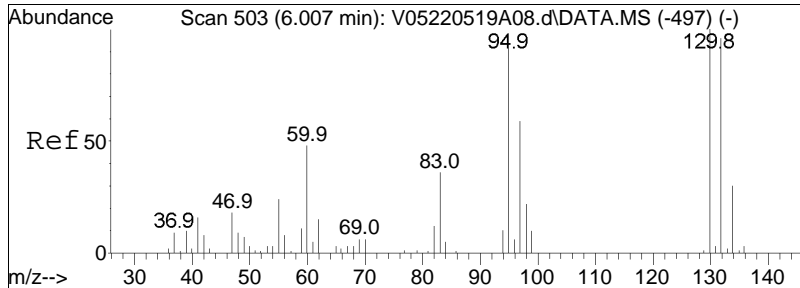




#28
 cis-1,2-Dichloroethene
 Concen: 14.20 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: V05221207A10.d
 Acq: 7 Dec 2022 10:31 am

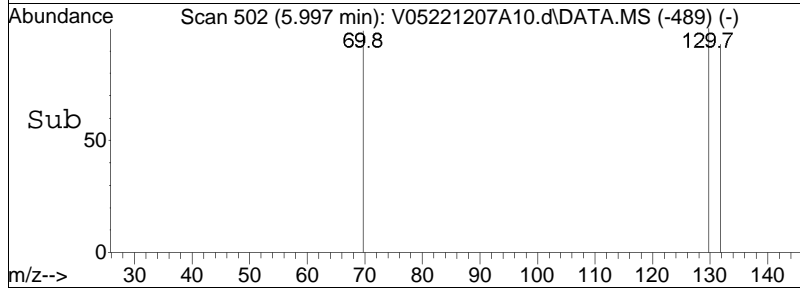
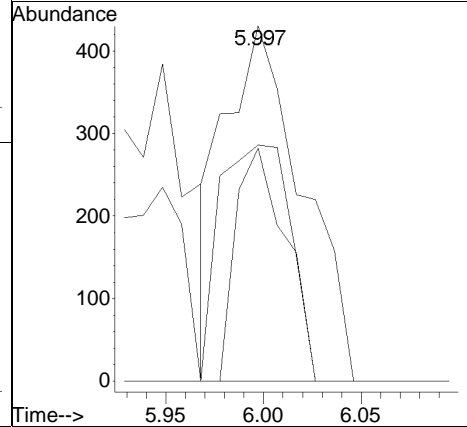
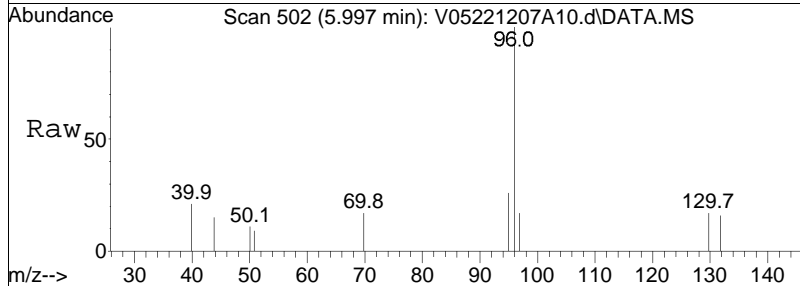
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 186841 | | |
| 96 | 100 | | |
| 61 | 134.0 | 100.5 | 150.7 |
| 98 | 65.1 | 49.8 | 74.8 |





#48
 Trichloroethene
 Concen: 0.09 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A10.d
 Acq: 7 Dec 2022 10:31 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 95 | 100 | | |
| 97 | 60.8 | 56.1 | 84.1 |
| 130 | 42.2 | 77.7 | 116.5# |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A10.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 10:31 am Instrument : VOA 105
Sample : 12267729-03,31,10,10,,c,prQuant Date : 12/7/2022 11:33 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A11.d
 Acq On : 7 Dec 2022 10:54 am
 Operator : VOA105:PID
 Sample : 12267729-04,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 07 11:36:47 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 452269 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 91.45% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 365677 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 93.95% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.066 | 152 | 206451 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 93.76% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 128659 | 10.200 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.00% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.537 | 65 | 137574 | 9.834 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.34% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 450680 | 10.106 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.06% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 174827 | 10.166 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.66% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 8618 | 0.595 | ug/L | # | 14 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 958 | 0.095 | ug/L | | 85 |
| 15) Methylene chloride | 0.000 | | 0 | N.D. | | | |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 3.523 | 96 | 925 | 0.081 | ug/L | | 84 |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 1063 | N.D. | | | |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 3172 | 0.142 | ug/L | | 90 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 64941 | 5.109 | ug/L | | 95 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 5.410 | 78 | 891 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 102 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 6203 | 0.470 | ug/L | | 89 |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 7.992 | 166 | 6402 | 0.471 | ug/L | | 85 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.314 | 91 | 723 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A11.d
 Acq On : 7 Dec 2022 10:54 am
 Operator : VOA105:PID
 Sample : 12267729-04,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 07 11:36:47 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 437 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.675 | 105 | 322 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 88 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.086 | 146 | 370 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 370 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 12.517 | 146 | 112 | | | N.D. |

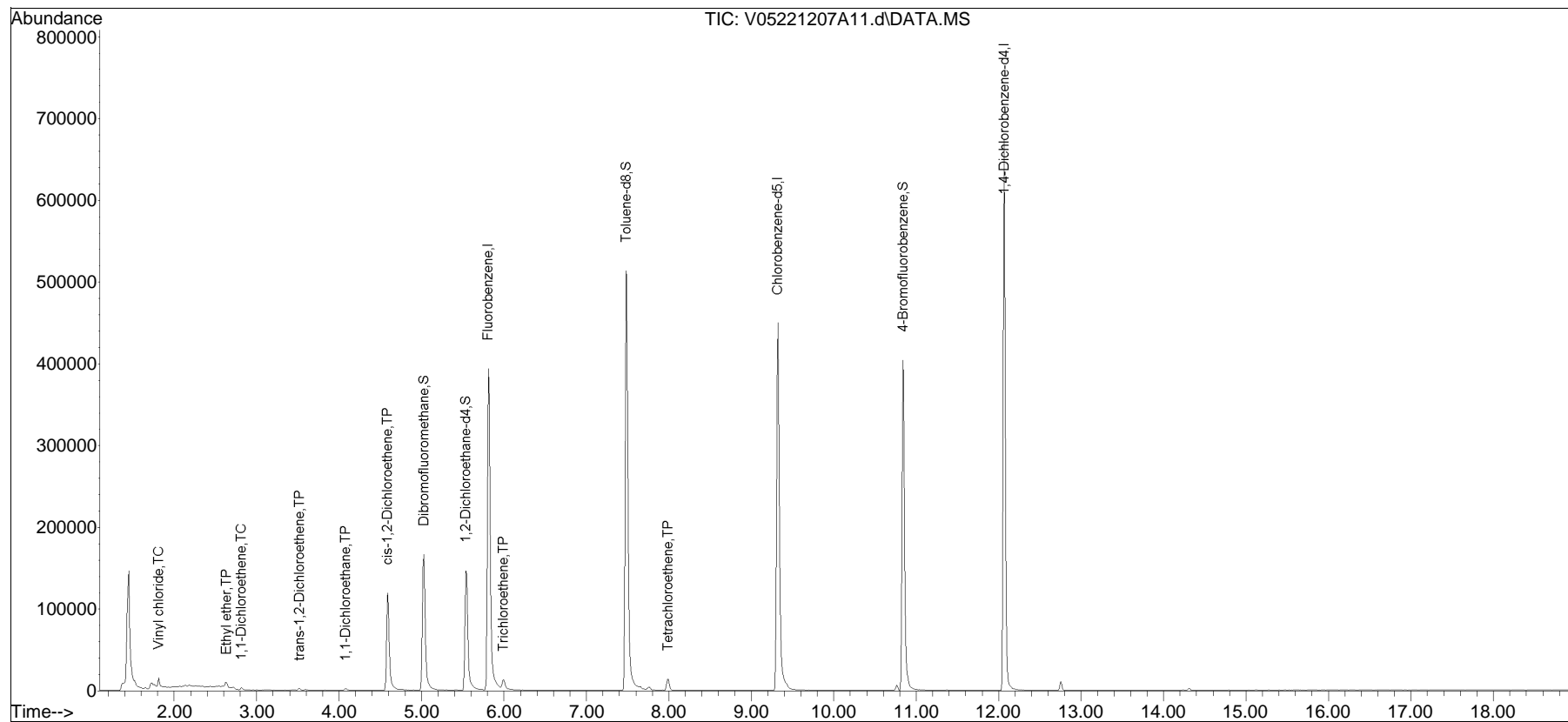
(#) = qualifier out of range (m) = manual integration (+) = signals summed

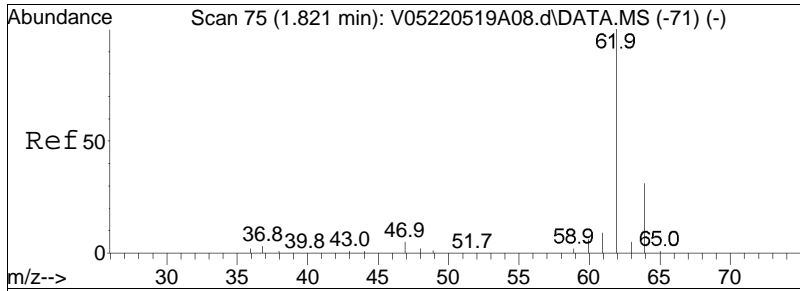
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A11.d
 Acq On : 7 Dec 2022 10:54 am
 Operator : VOA105:PID
 Sample : 12267729-04,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 11 Sample Multiplier: 1

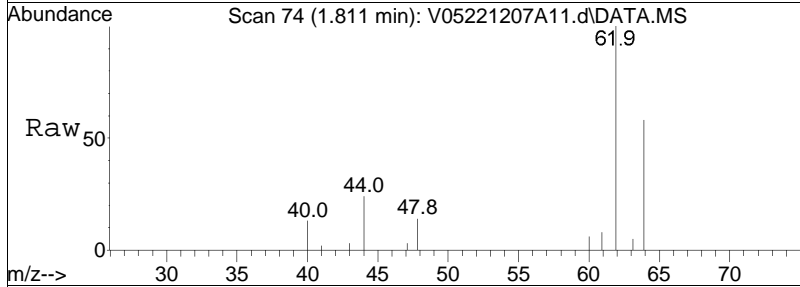
Quant Time: Dec 07 11:36:47 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

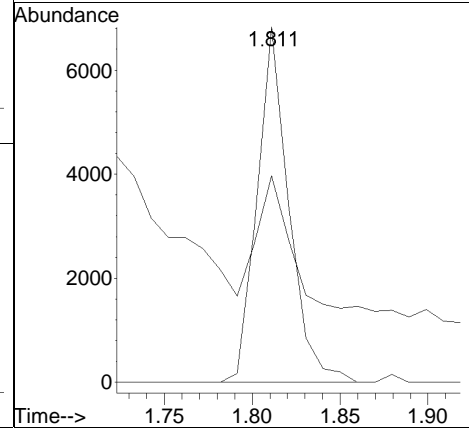
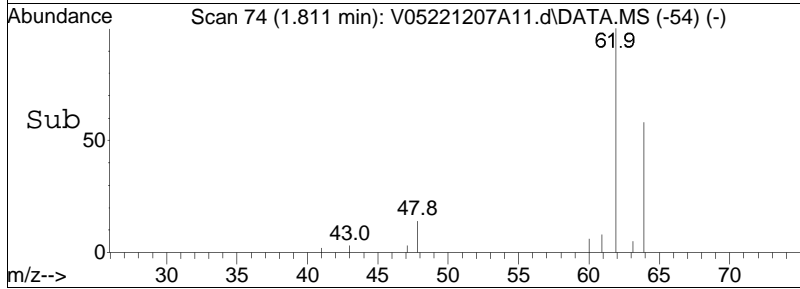


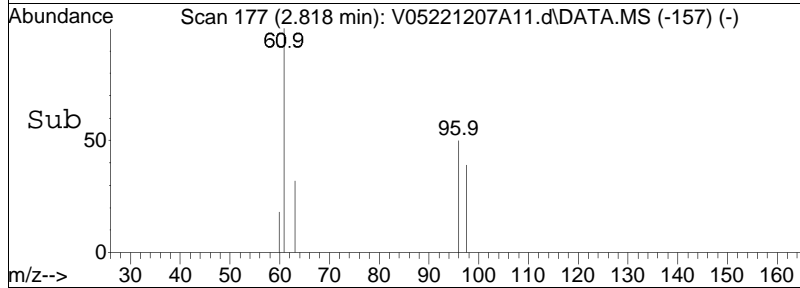
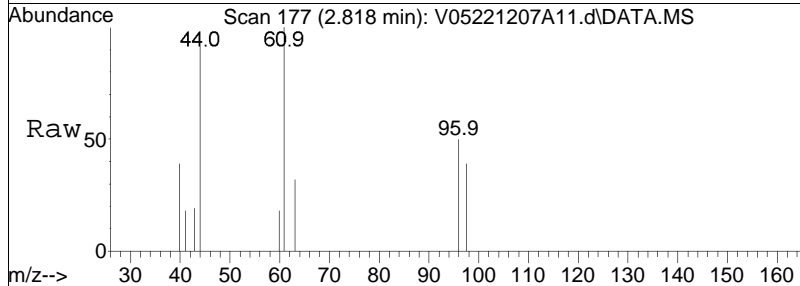
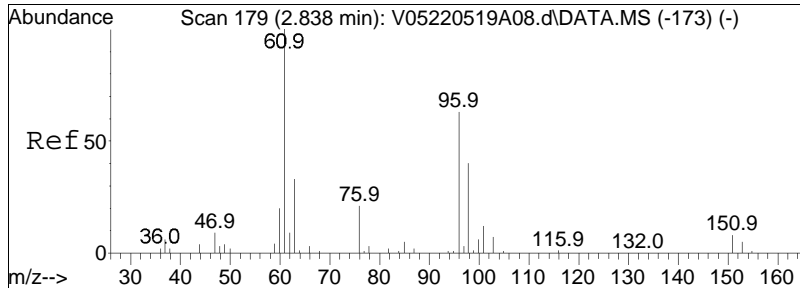


#4
 Vinyl chloride
 Concen: 0.60 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am



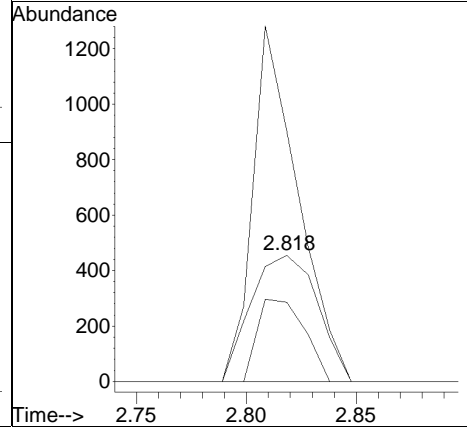
Tgt Ion: 62 Resp: 8618
 Ion Ratio Lower Upper
 62 100
 64 82.5 13.5 53.5#

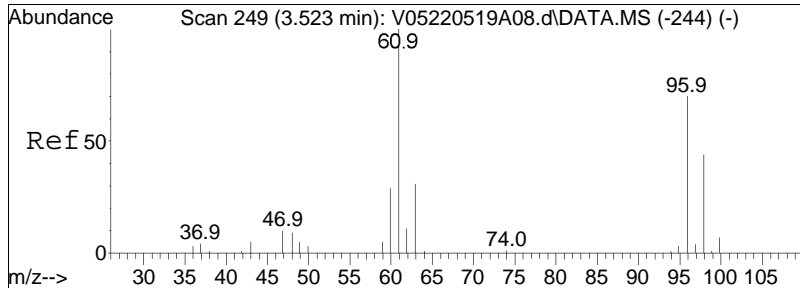




#10
 1,1-Dichloroethene
 Concen: 0.09 ug/L
 RT: 2.818 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

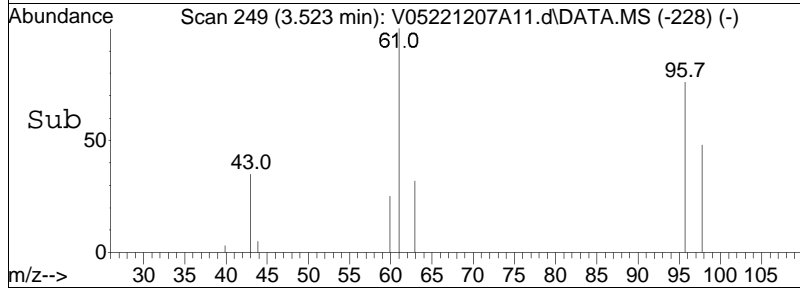
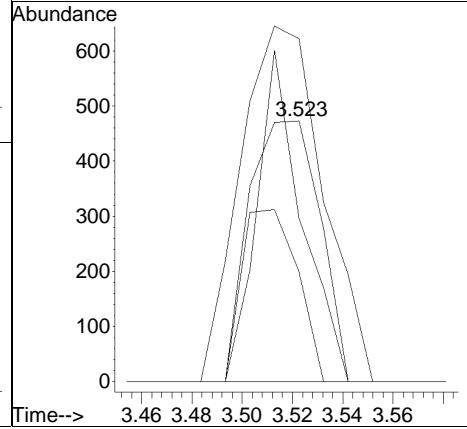
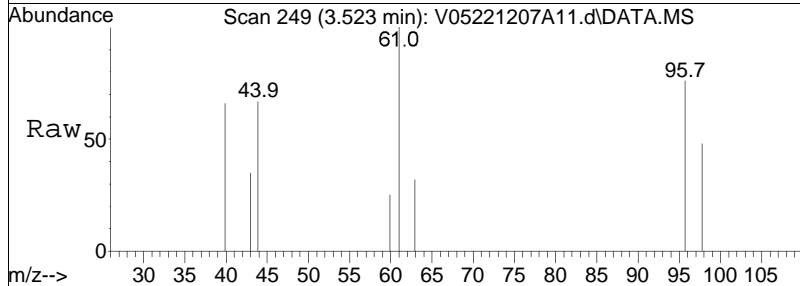
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 191.6 | 136.7 | 205.1 |
| 63 | 46.0 | 45.0 | 67.6 |

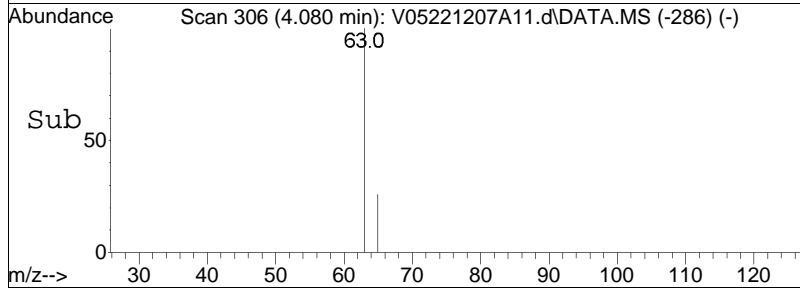
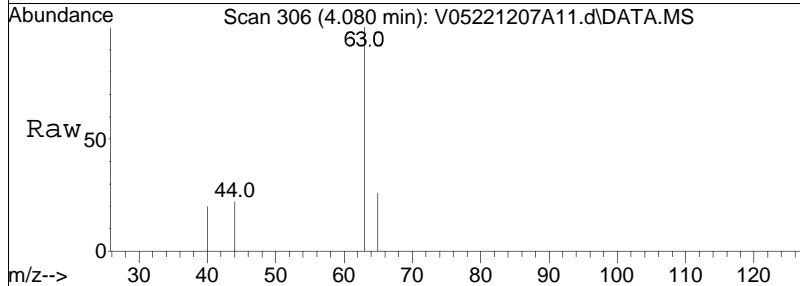
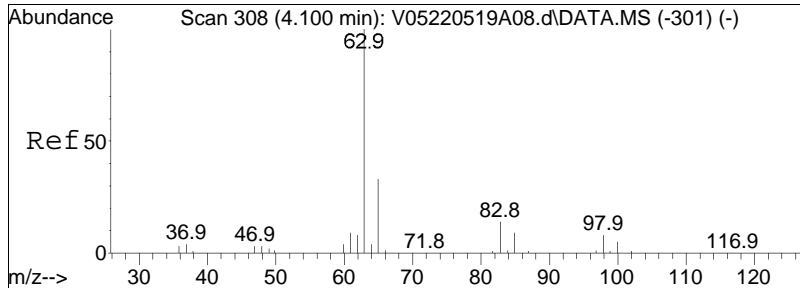




#18
 trans-1,2-Dichloroethene
 Concen: 0.08 ug/L
 RT: 3.523 min Scan# 249
 Delta R.T. 0.010 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

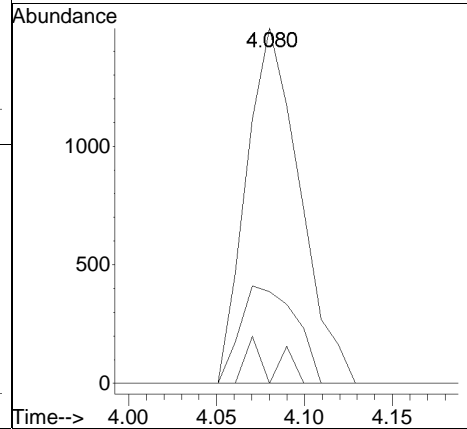
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 159.5 | 91.7 | 190.5 |
| 98 | 80.5 | 41.1 | 85.5 |
| 63 | 51.9 | 29.4 | 61.0 |

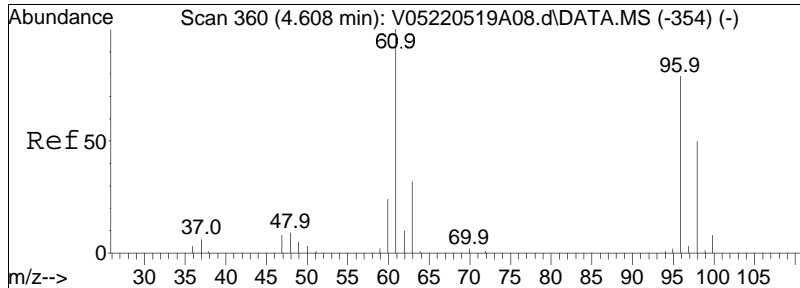




#23
 1,1-Dichloroethane
 Concen: 0.14 ug/L
 RT: 4.080 min Scan# 306
 Delta R.T. -0.000 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

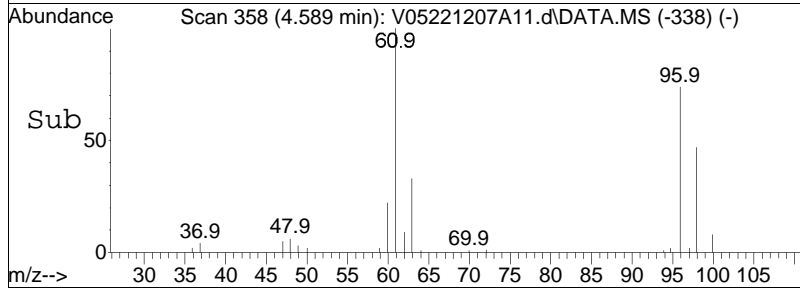
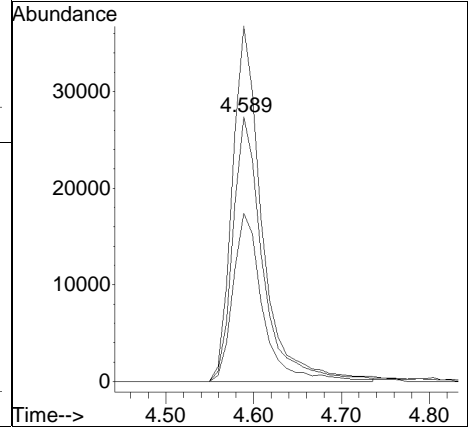
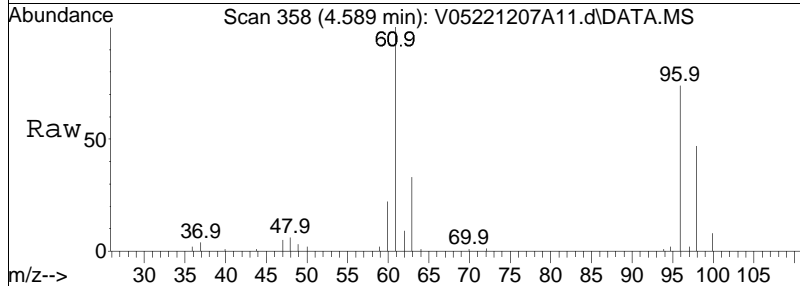
| Tgt Ion: | 63 | Resp: | 3172 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 63 | 100 | | |
| 65 | 28.4 | 11.9 | 51.9 |
| 83 | 6.6 | 0.0 | 34.2 |

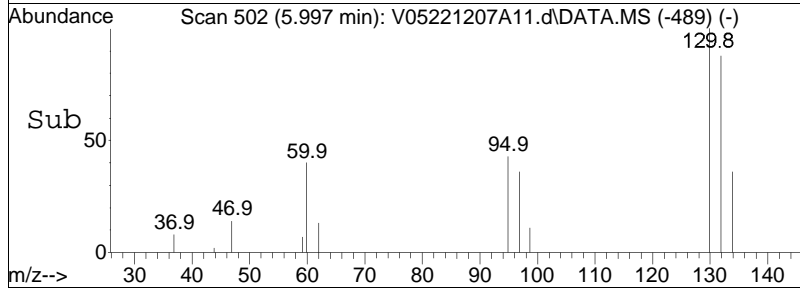
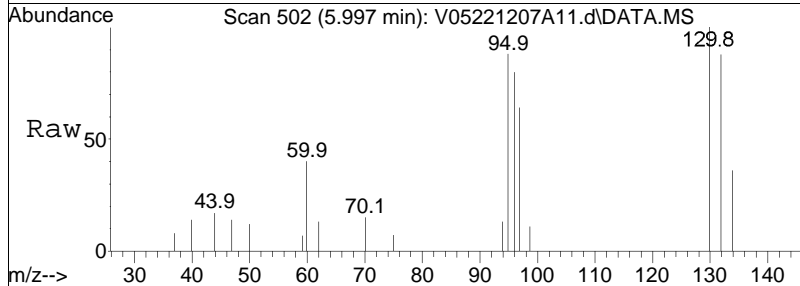
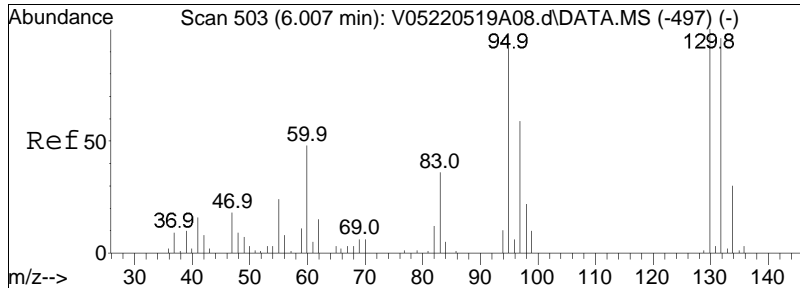




#28
 cis-1,2-Dichloroethene
 Concen: 5.11 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

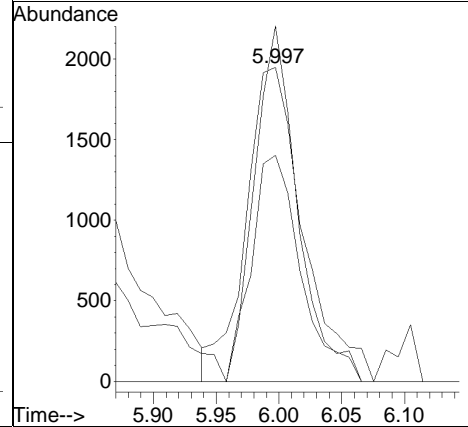
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 133.4 | 100.5 | 150.7 |
| 98 | 63.3 | 49.8 | 74.8 |

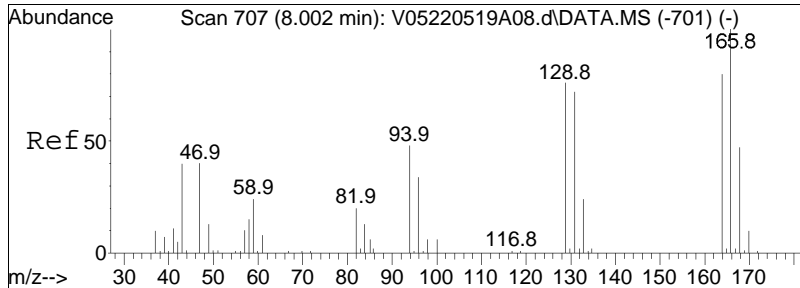




#48
 Trichloroethene
 Concen: 0.47 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

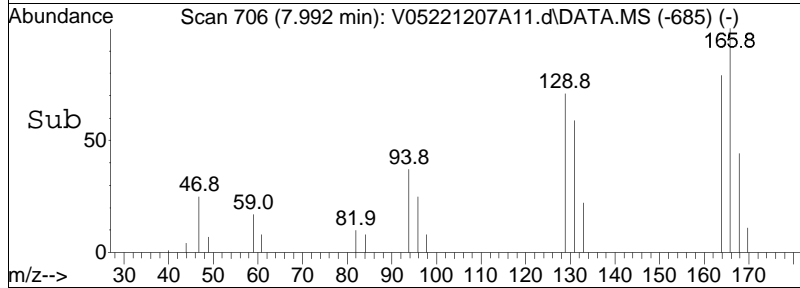
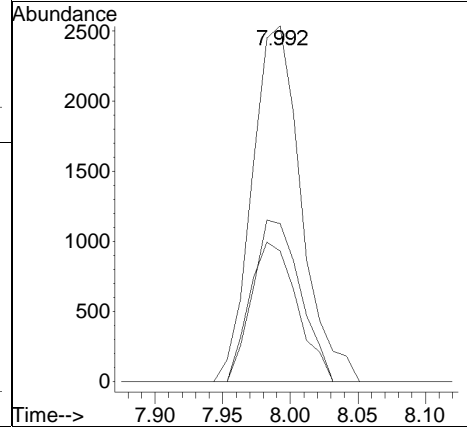
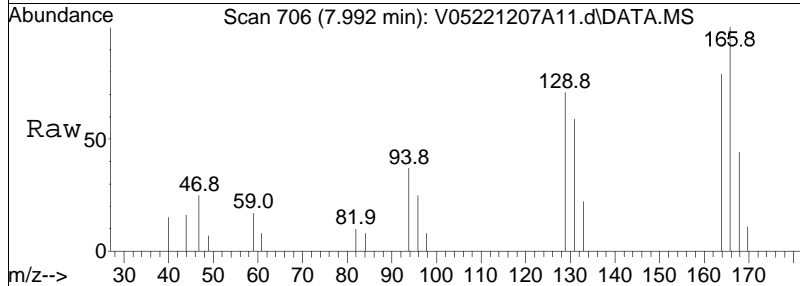
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 95 | 100 | | |
| 97 | 62.4 | 56.1 | 84.1 |
| 130 | 85.7 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 0.47 ug/L
 RT: 7.992 min Scan# 706
 Delta R.T. 0.010 min
 Lab File: V05221207A11.d
 Acq: 7 Dec 2022 10:54 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 43.9 | 30.2 | 70.2 |
| 94 | 38.0 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A11.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 10:54 am Instrument : VOA 105
Sample : 12267729-04,31,10,10,,c,prQuant Date : 12/7/2022 11:34 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A12.d
 Acq On : 7 Dec 2022 11:17 am
 Operator : VOA105:PID
 Sample : 12267729-05,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 07 11:37:48 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|-------------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.812 | 96 | 460406 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 93.10% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 364362 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 93.61% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 209784 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 95.27% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 129184 | 10.060 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.60% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 139375 | 9.787 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.87% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 450824 | 10.146 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.46% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 174398 | 9.980 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.80% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 1245 | 0.084 | ug/L | | Qvalue # 41 |
| 10) 1,1-Dichloroethene | 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 | 3.513 | 96 | 208 | 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 | 4.589 | 96 | 57225 | 4.423 | ug/L | 94 | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 5.127 | 43 | 88 | N.D. | | | |
| 41) Benzene | 5.411 | 78 | 4216 | 0.097 | ug/L | # 84 | |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 101 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 7558 | 0.562 | ug/L | 86 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 7.993 | 166 | 4867 | 0.359 | ug/L | 87 | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.324 | 91 | 606 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A12.d
 Acq On : 7 Dec 2022 11:17 am
 Operator : VOA105:PID
 Sample : 12267729-05,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 07 11:37:48 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.019 | 91 | 319 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 11.234 | 105 | 105 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 593 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 143 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 12.233 | 91 | 337 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

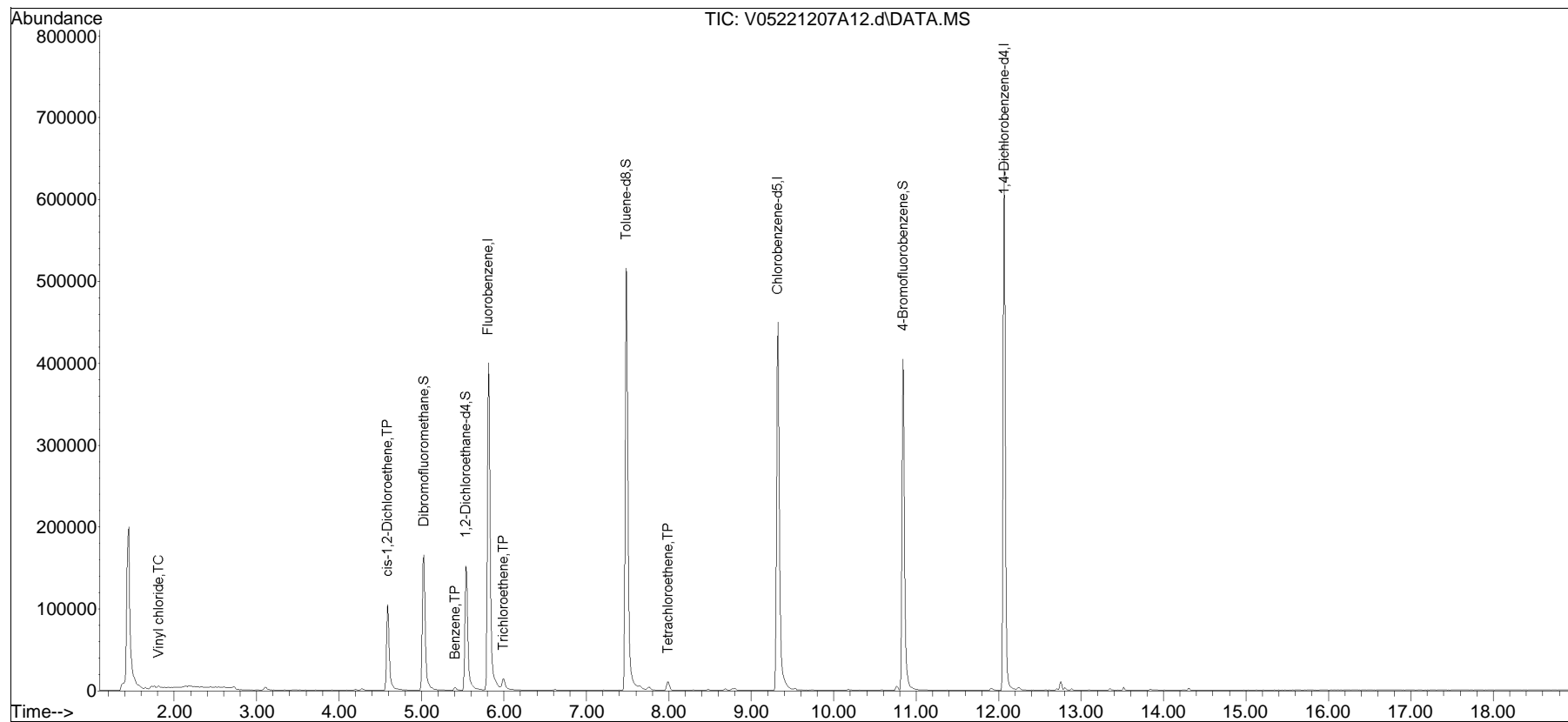
(#) = qualifier out of range (m) = manual integration (+) = signals summed

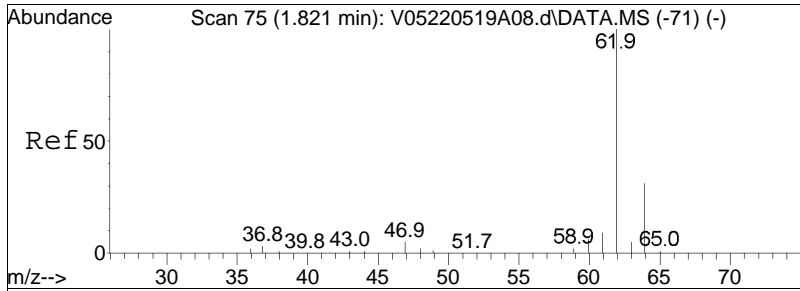
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A12.d
 Acq On : 7 Dec 2022 11:17 am
 Operator : VOA105:PID
 Sample : 12267729-05,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 07 11:37:48 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

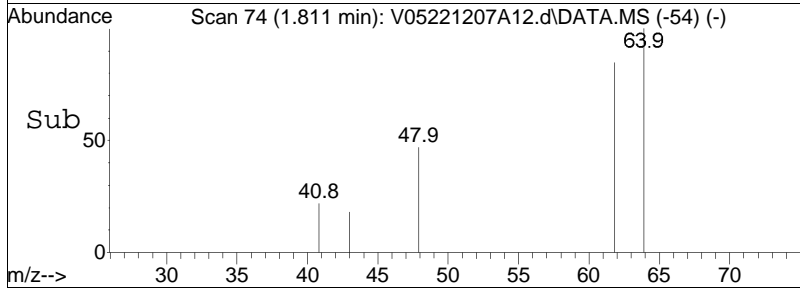
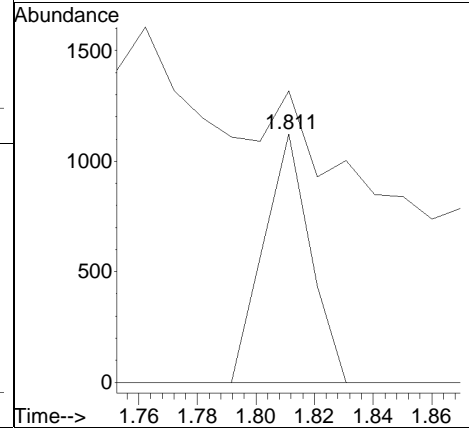
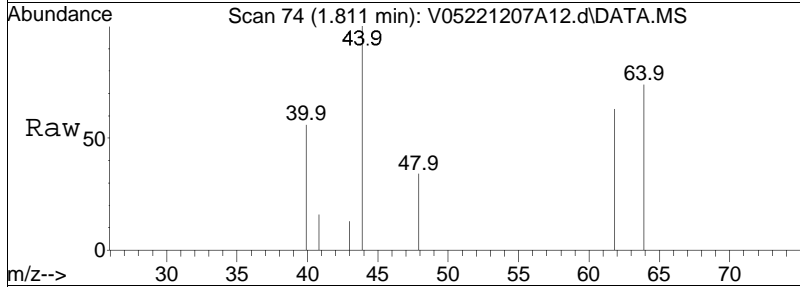
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

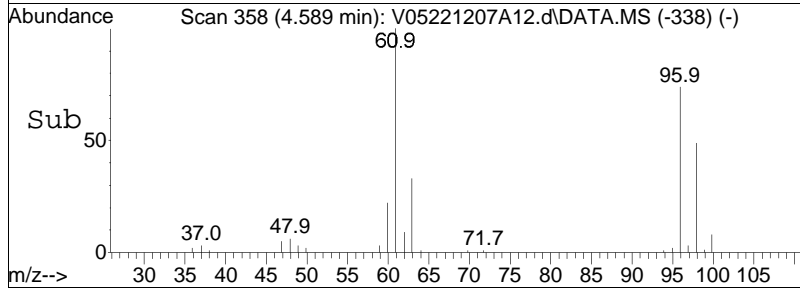
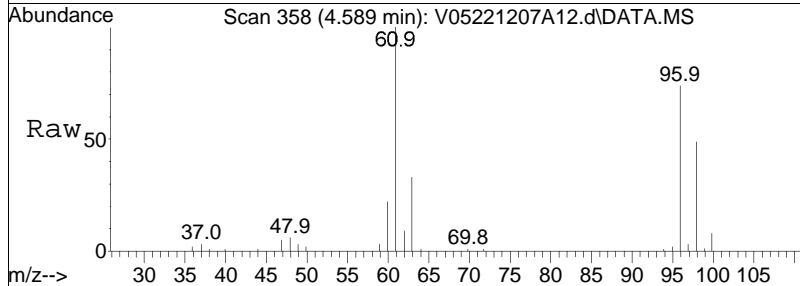
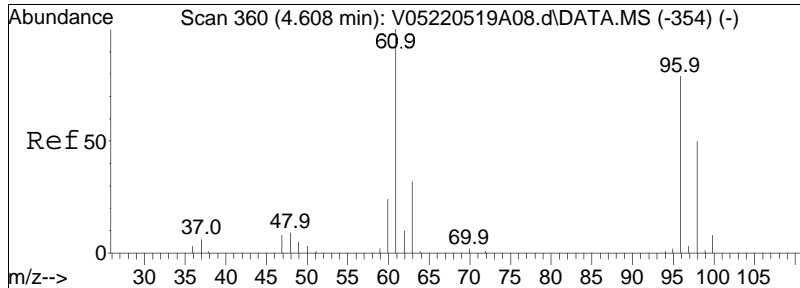




#4
 Vinyl chloride
 Concen: 0.08 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A12.d
 Acq: 7 Dec 2022 11:17 am

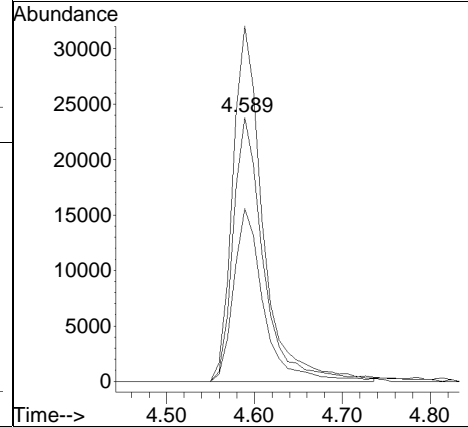
Tgt Ion: 62 Resp: 1245
 Ion Ratio Lower Upper
 62 100
 64 0.0 13.5 53.5#

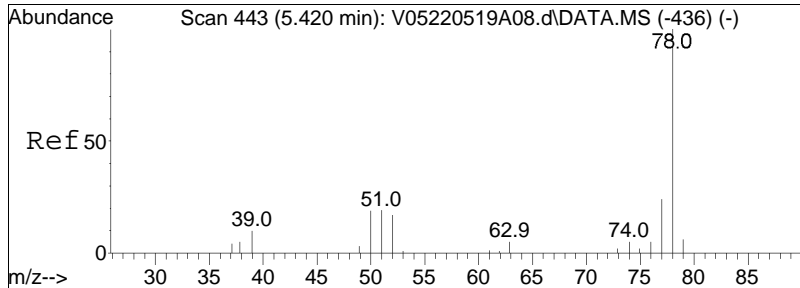




#28
 cis-1,2-Dichloroethene
 Concen: 4.42 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A12.d
 Acq: 7 Dec 2022 11:17 am

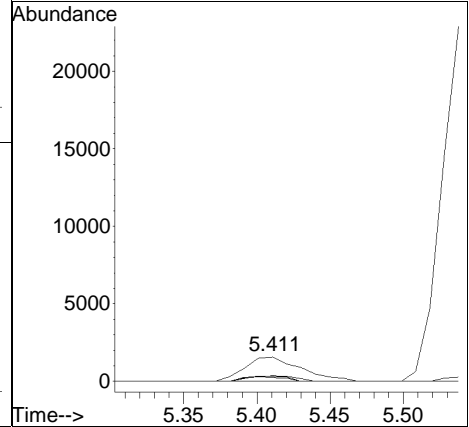
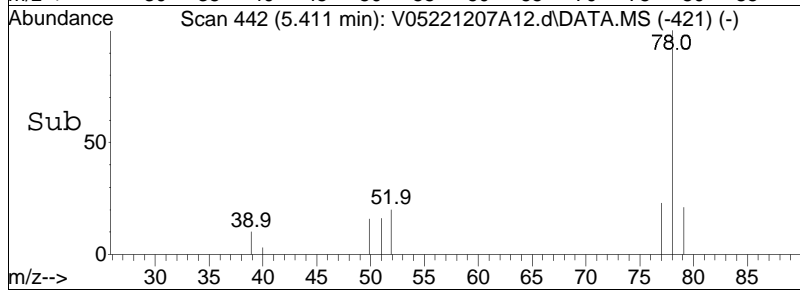
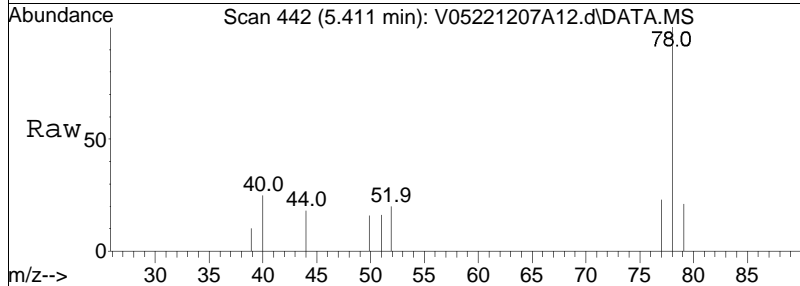
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 134.2 | 100.5 | 150.7 |
| 98 | 64.8 | 49.8 | 74.8 |

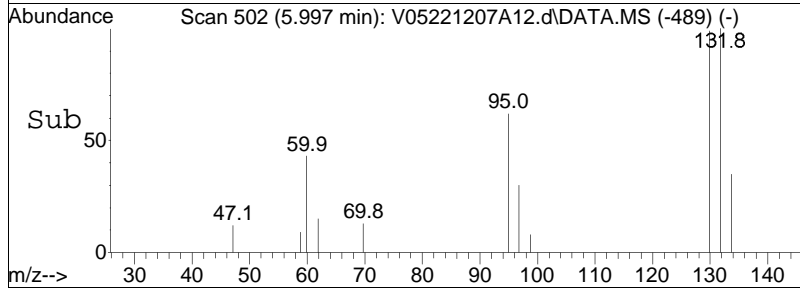
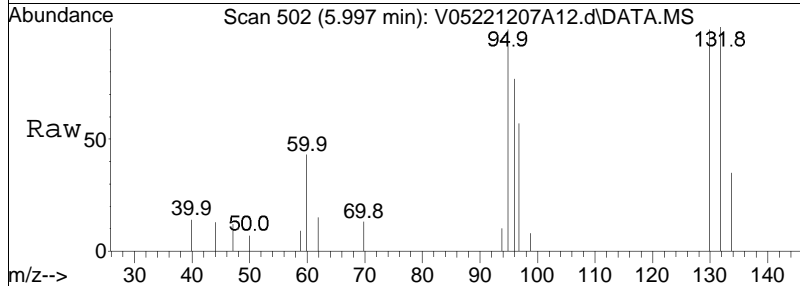
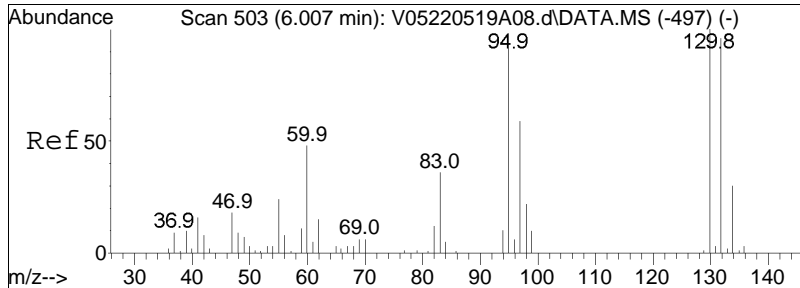




#41
Benzene
Concen: 0.10 ug/L
RT: 5.411 min Scan# 442
Delta R.T. 0.010 min
Lab File: V05221207A12.d
Acq: 7 Dec 2022 11:17 am

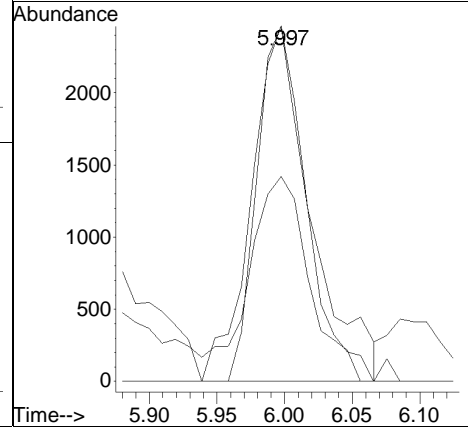
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 19.4 | 15.2 | 31.6 |
| 51 | 0.0 | 10.5 | 21.7# |
| 52 | 15.9 | 9.5 | 19.7 |

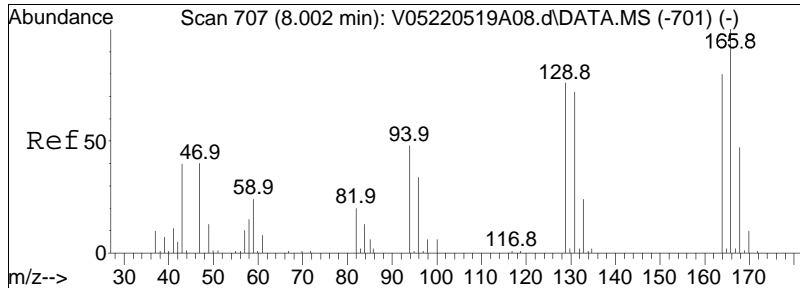




#48
 Trichloroethene
 Concen: 0.56 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A12.d
 Acq: 7 Dec 2022 11:17 am

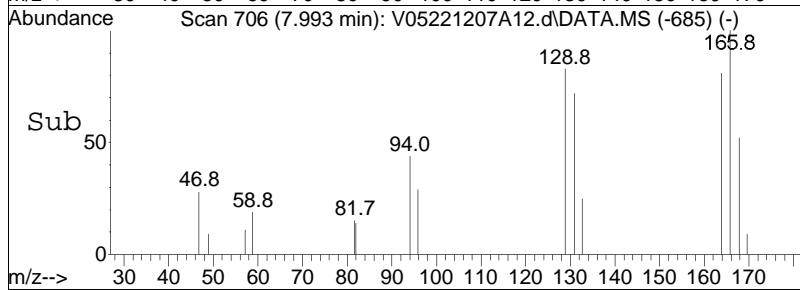
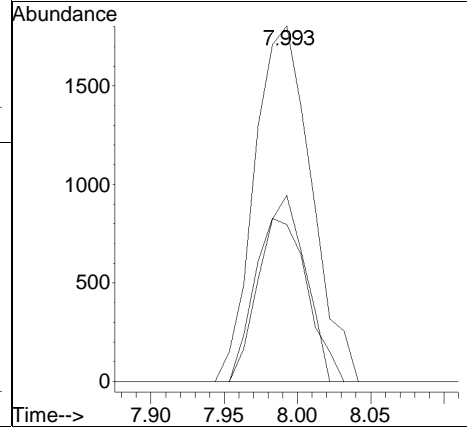
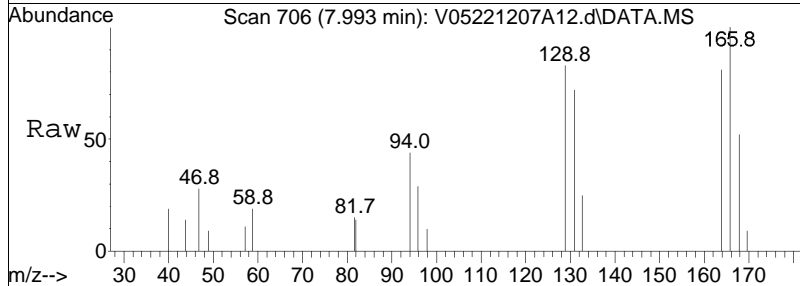
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 95 | 100 | | |
| 97 | 58.0 | 56.1 | 84.1 |
| 130 | 84.3 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 0.36 ug/L
 RT: 7.993 min Scan# 706
 Delta R.T. 0.010 min
 Lab File: V05221207A12.d
 Acq: 7 Dec 2022 11:17 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 41.8 | 30.2 | 70.2 |
| 94 | 42.7 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A12.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 11:17 am Instrument : VOA 105
Sample : 12267729-05,31,10,10,,c,prQuant Date : 12/7/2022 11:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A13.d
 Acq On : 7 Dec 2022 11:41 am
 Operator : VOA105:PID
 Sample : 12267729-06,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 12:03:52 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 453325 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 91.67% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 361571 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 92.90% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 202509 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 91.97% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 128102 | 10.132 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.32% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 135735 | 9.680 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.80% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 446183 | 10.119 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.19% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 173522 | 10.287 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.87% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 214616 | 14.783 | ug/L | 97 | Qvalue |
| 10) 1,1-Dichloroethene | 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. | | | |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 965 | N.D. | | | |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 138 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 74490 | 5.847 | ug/L | 93 | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | | | |
| 41) Benzene | 0.000 | | 0 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 372 | N.D. | | | |
| 48) Trichloroethene | 6.007 | 95 | 457 | N.D. | | | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.324 | 91 | 632 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A13.d
 Acq On : 7 Dec 2022 11:41 am
 Operator : VOA105:PID
 Sample : 12267729-06,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 12:03:52 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 399 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

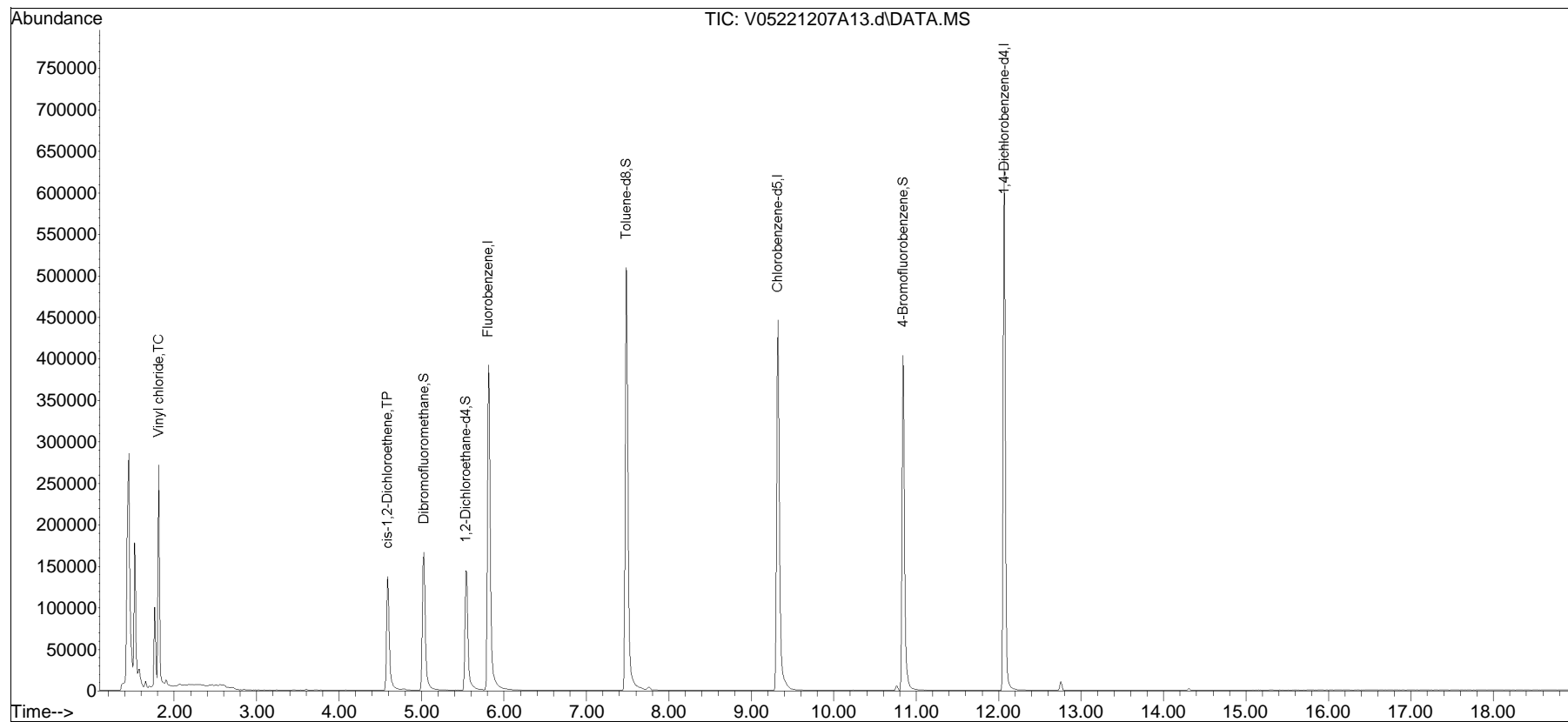
(#) = qualifier out of range (m) = manual integration (+) = signals summed

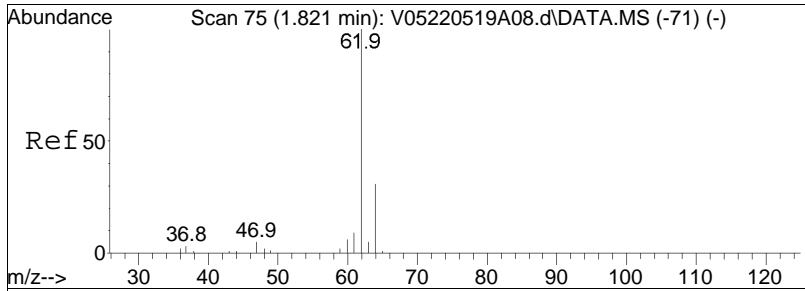
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A13.d
Acq On : 7 Dec 2022 11:41 am
Operator : VOA105:PID
Sample : 12267729-06,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 07 12:03:52 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

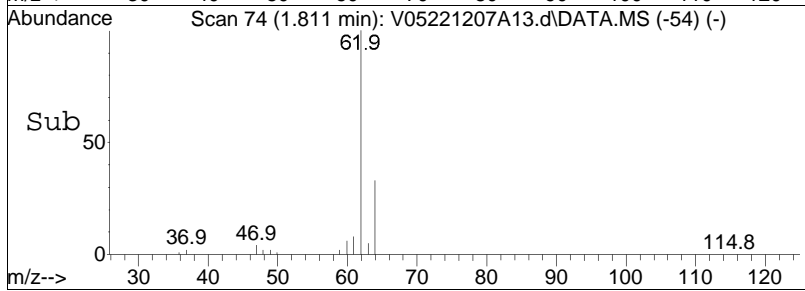
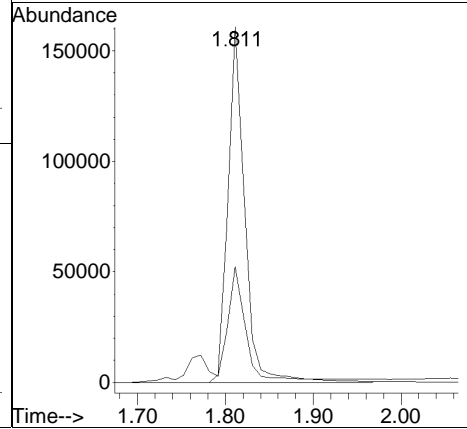
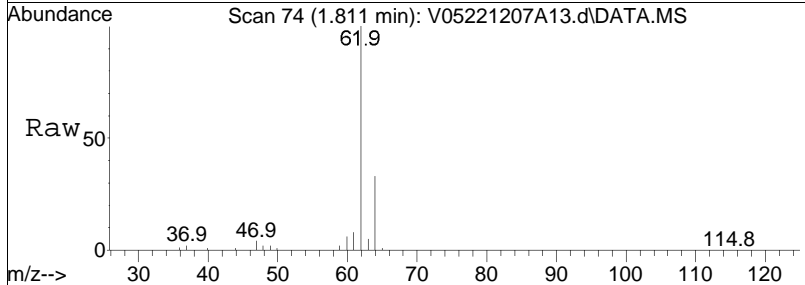
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

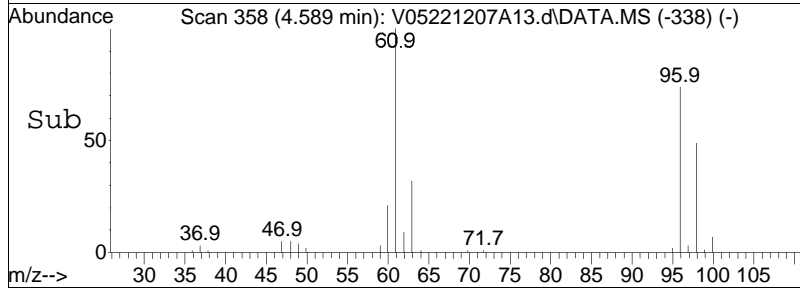
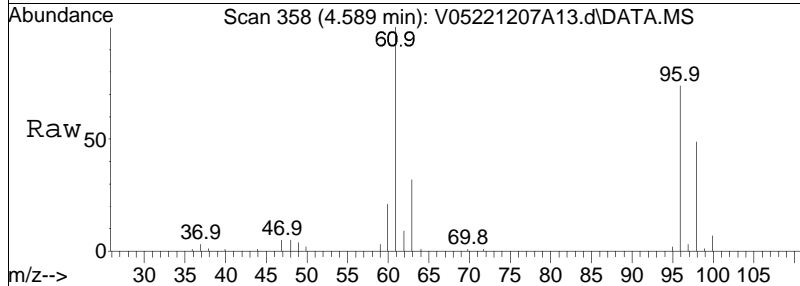
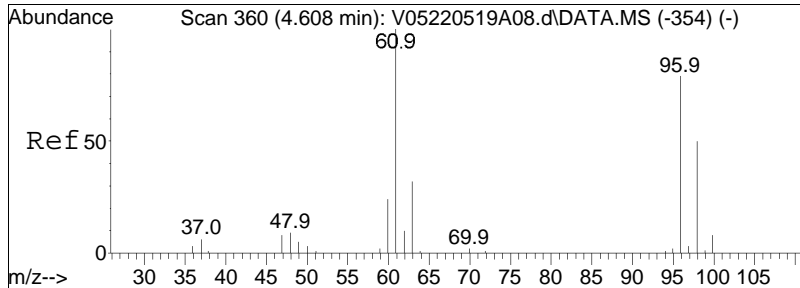




#4
 Vinyl chloride
 Concen: 14.78 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A13.d
 Acq: 7 Dec 2022 11:41 am

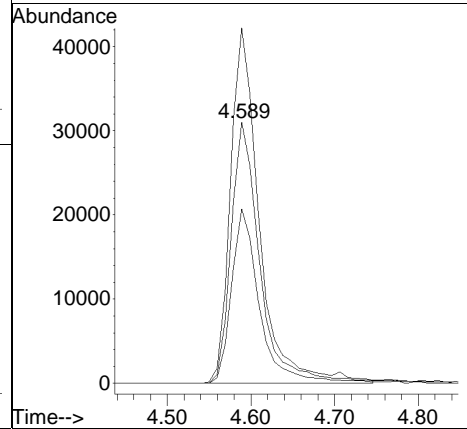
Tgt Ion: 62 Resp: 214616
 Ion Ratio Lower Upper
 62 100
 64 31.6 13.5 53.5





#28
 cis-1,2-Dichloroethene
 Concen: 5.85 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A13.d
 Acq: 7 Dec 2022 11:41 am

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 74490 | | |
| 96 | 100 | | |
| 61 | 136.3 | 100.5 | 150.7 |
| 98 | 65.0 | 49.8 | 74.8 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A13.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 11:41 am Instrument : VOA 105
Sample : 12267729-06,31,10,10,,c,prQuant Date : 12/7/2022 12:03 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A14.d
 Acq On : 7 Dec 2022 12:04 pm
 Operator : VOA105:PID
 Sample : 12267729-07,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 12:26:23 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 444681 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 89.92% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 359097 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 92.26% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 204649 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 92.94% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 126431 | 10.194 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.94% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 133448 | 9.702 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.02% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 442763 | 10.110 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.10% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 169174 | 9.924 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.24% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 138779 | 9.745 | ug/L | 100 | Qvalue |
| 10) 1,1-Dichloroethene | 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 | 3.523 | 96 | 309 | N.D. | | | |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 34052 | 1.682 | ug/L # | 86 | |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 311586 | 24.932 | ug/L | 94 | |
| 32) Chloroform | 4.843 | 83 | 93 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 5.000 | 43 | 90 | N.D. | | | |
| 41) Benzene | 0.000 | | 0 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 88 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 910 | 0.070 | ug/L # | 7 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 0.000 | | 0 | N.D. | | | |
| 63) Tetrachloroethene | 0.000 | | 0 | N.D. | | | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.324 | 91 | 507 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A14.d
 Acq On : 7 Dec 2022 12:04 pm
 Operator : VOA105:PID
 Sample : 12267729-07,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 12:26:23 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 416 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

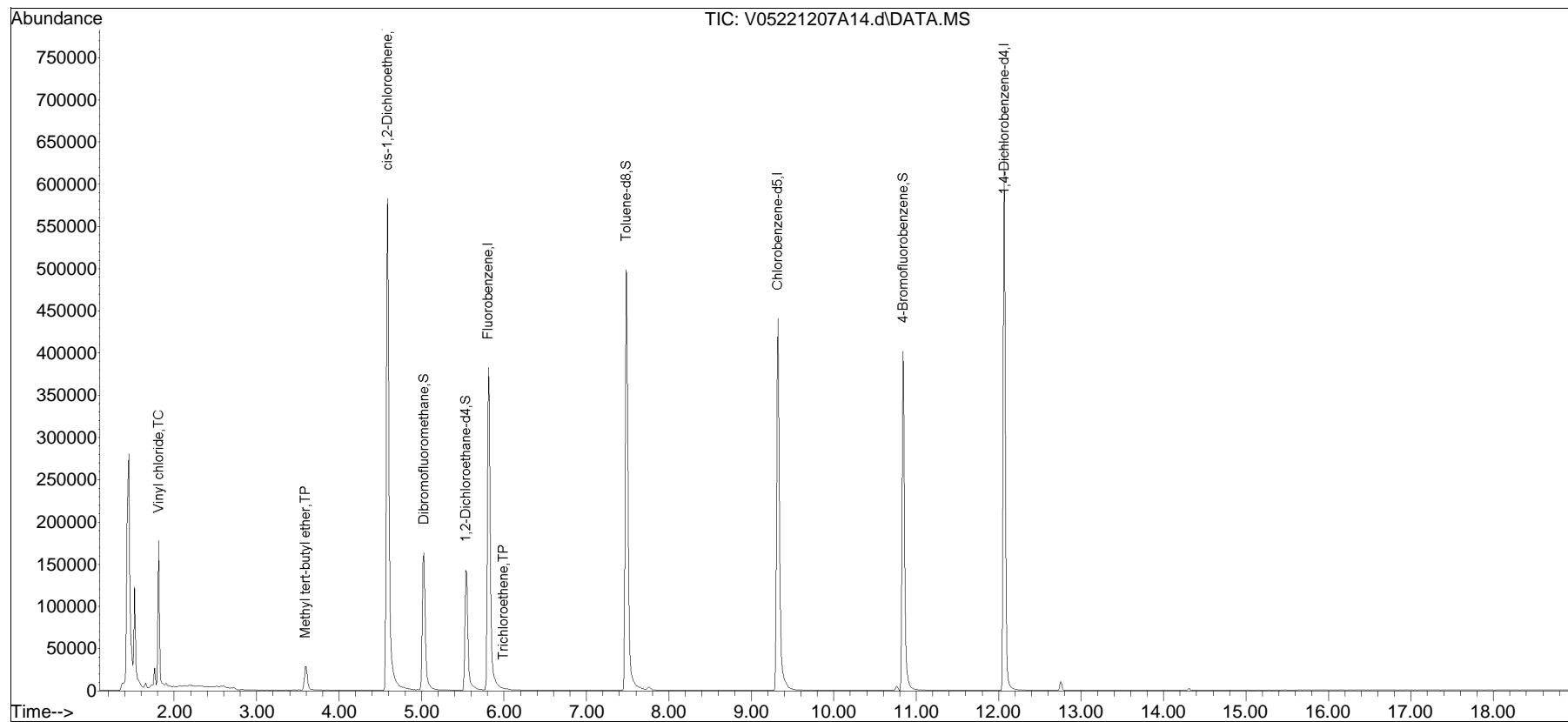
(#) = qualifier out of range (m) = manual integration (+) = signals summed

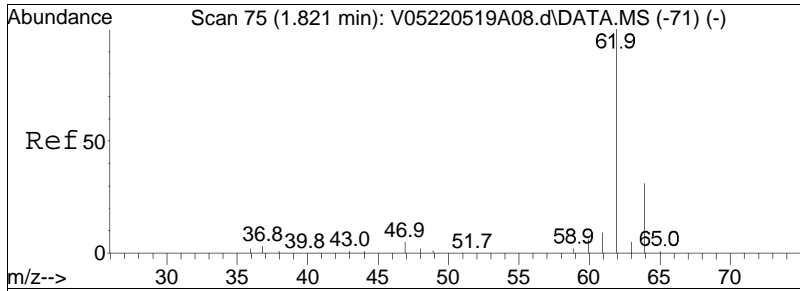
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A14.d
Acq On : 7 Dec 2022 12:04 pm
Operator : VOA105:PID
Sample : 12267729-07,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 07 12:26:23 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

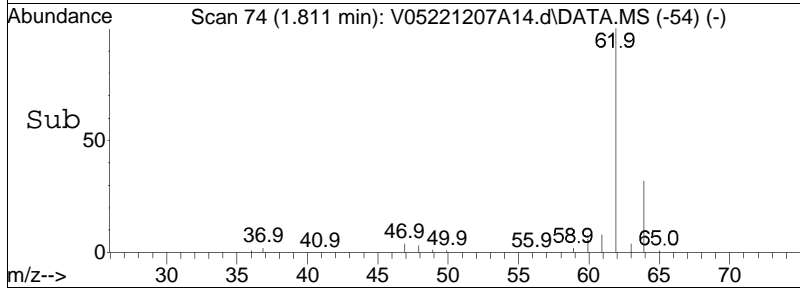
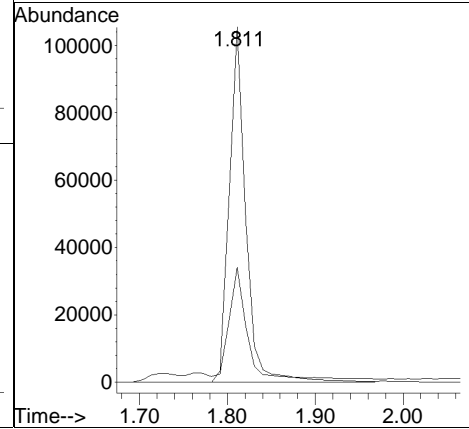
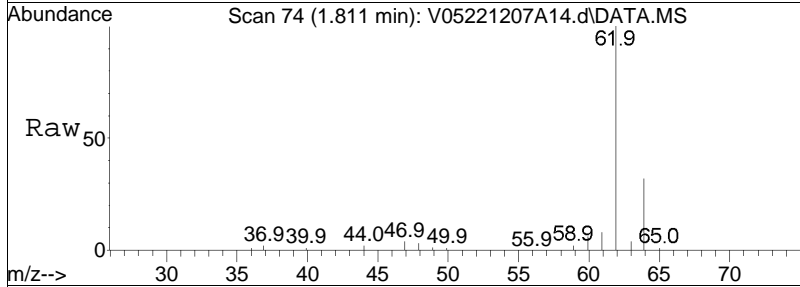
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

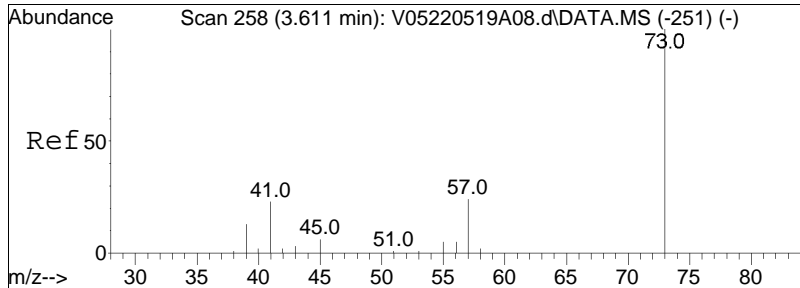




#4
 Vinyl chloride
 Concen: 9.75 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: V05221207A14.d
 Acq: 7 Dec 2022 12:04 pm

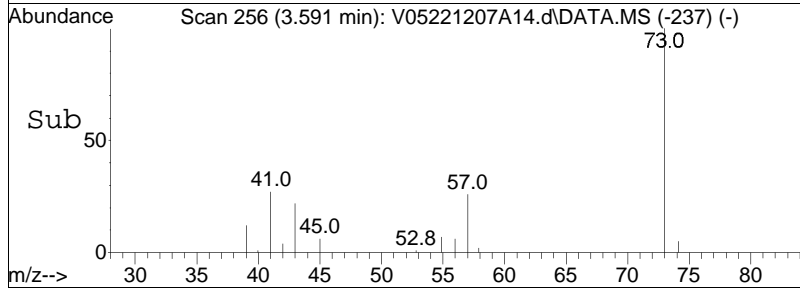
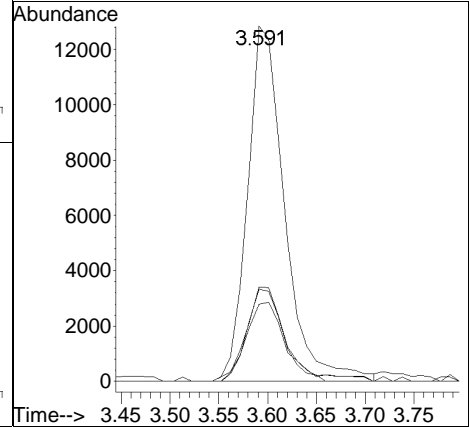
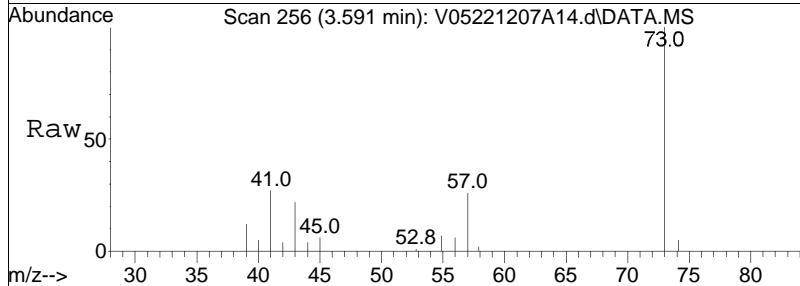
Tgt Ion: 62 Resp: 138779
 Ion Ratio Lower Upper
 62 100
 64 33.5 13.5 53.5

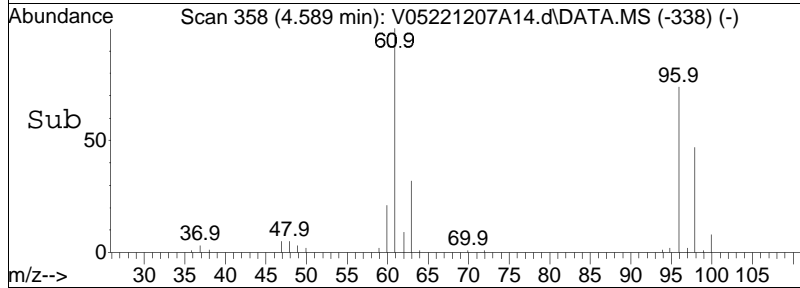
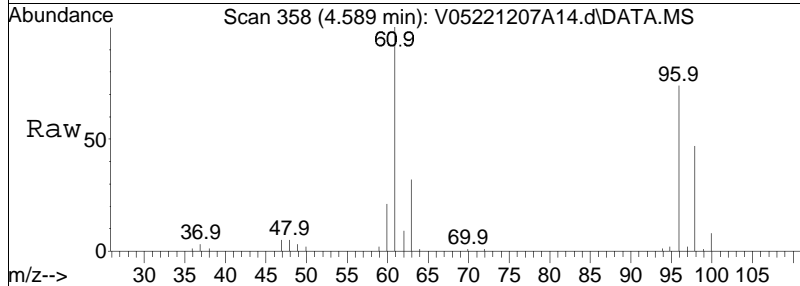
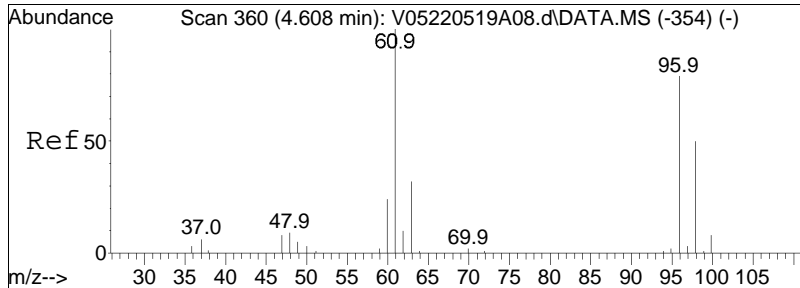




#20
 Methyl tert-butyl ether
 Concen: 1.68 ug/L
 RT: 3.591 min Scan# 256
 Delta R.T. -0.010 min
 Lab File: V05221207A14.d
 Acq: 7 Dec 2022 12:04 pm

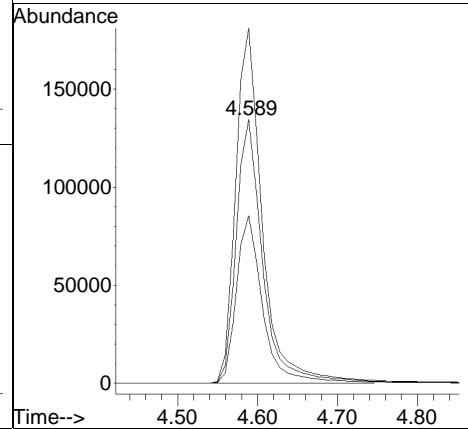
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 73 | 100 | | |
| 57 | 25.2 | 11.8 | 24.6# |
| 43 | 25.1 | 13.5 | 27.9 |
| 41 | 28.1 | 13.3 | 27.5# |

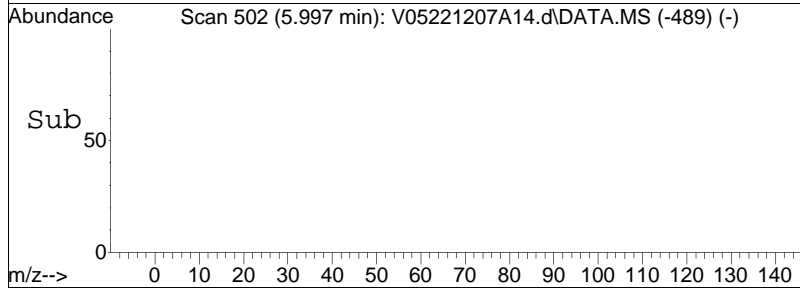
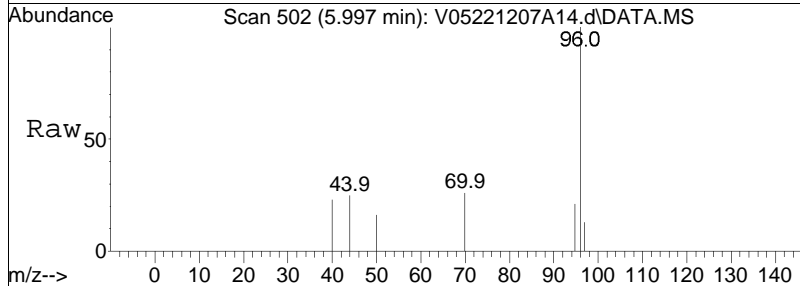
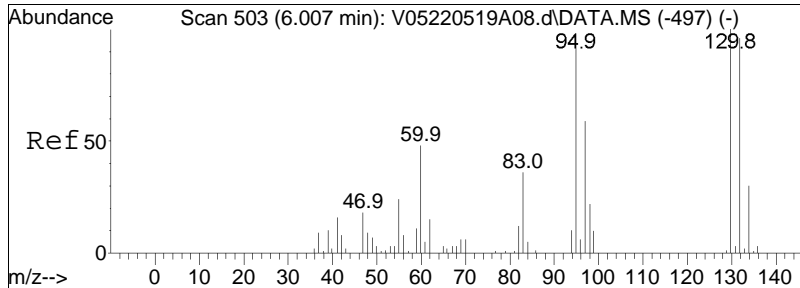




#28
 cis-1,2-Dichloroethene
 Concen: 24.93 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: V05221207A14.d
 Acq: 7 Dec 2022 12:04 pm

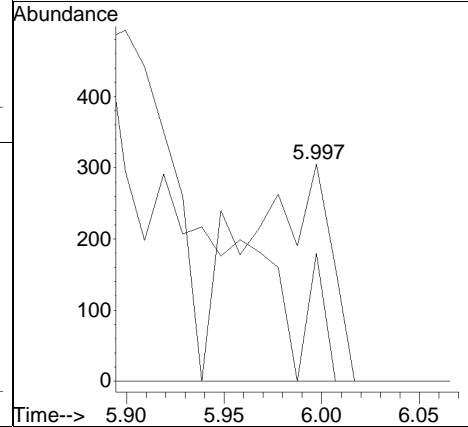
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 311586 | | |
| 96 | 100 | | |
| 61 | 135.1 | 100.5 | 150.7 |
| 98 | 63.4 | 49.8 | 74.8 |





#48
 Trichloroethene
 Concen: 0.07 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A14.d
 Acq: 7 Dec 2022 12:04 pm

| Tgt Ion: | Resp: | | |
|----------|-------|------|--------|
| 95 | 100 | | |
| 97 | 0.0 | 56.1 | 84.1# |
| 130 | 0.0 | 77.7 | 116.5# |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A14.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 12:04 pm Instrument : VOA 105
Sample : 12267729-07,31,10,10,,c,prQuant Date : 12/7/2022 12:25 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A15.d
 Acq On : 7 Dec 2022 12:27 pm
 Operator : VOA105:PID
 Sample : 12267729-08,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 13:44:33 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 449239 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 90.84% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 358095 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 92.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 201153 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 91.36% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 125111 | 9.985 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.85% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.537 | 65 | 132520 | 9.537 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.37% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 441342 | 10.106 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.06% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 171694 | 10.247 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.47% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 1174542 | 81.640 | ug/L | 96 | Qvalue |
| 10) 1,1-Dichloroethene | 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 | 3.513 | 96 | 1959 | 0.174 | ug/L | 91 | |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 2078 | 0.102 | ug/L # | 19 | |
| 23) 1,1-Dichloroethane | 4.090 | 63 | 1036 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 45010 | 3.565 | ug/L | 97 | |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 5.244 | 43 | 100 | N.D. | | | |
| 41) Benzene | 5.410 | 78 | 1560 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.626 | 62 | 371 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 3871 | 0.295 | ug/L # | 84 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.533 | 92 | 1971 | 0.072 | ug/L | 92 | |
| 63) Tetrachloroethene | 7.992 | 166 | 1262 | 0.095 | ug/L | 84 | |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.392 | 91 | 112 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A15.d
 Acq On : 7 Dec 2022 12:27 pm
 Operator : VOA105:PID
 Sample : 12267729-08,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 13:44:33 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.009 | 91 | 106 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 11.567 | 119 | 112 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 1006 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 770 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

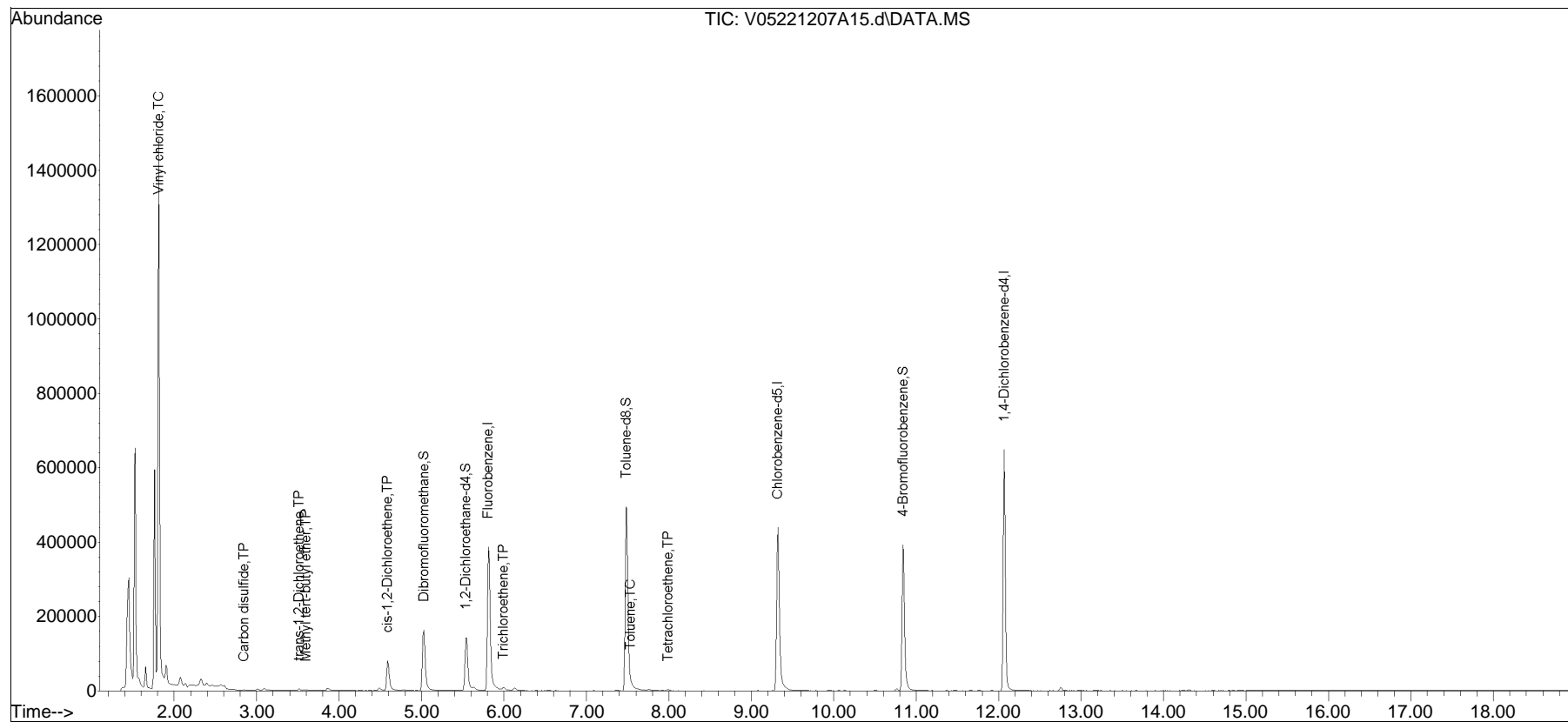
(#) = qualifier out of range (m) = manual integration (+) = signals summed

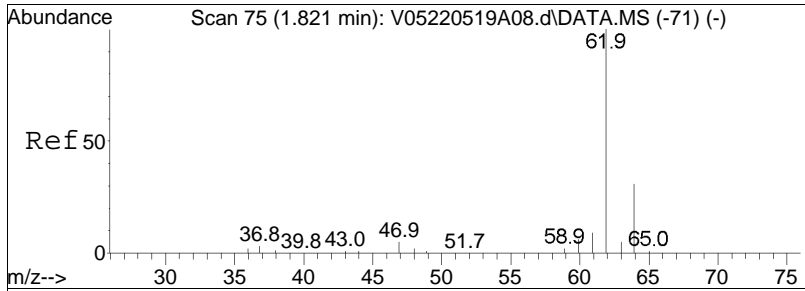
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A15.d
Acq On : 7 Dec 2022 12:27 pm
Operator : VOA105:PID
Sample : 12267729-08,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 07 13:44:33 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

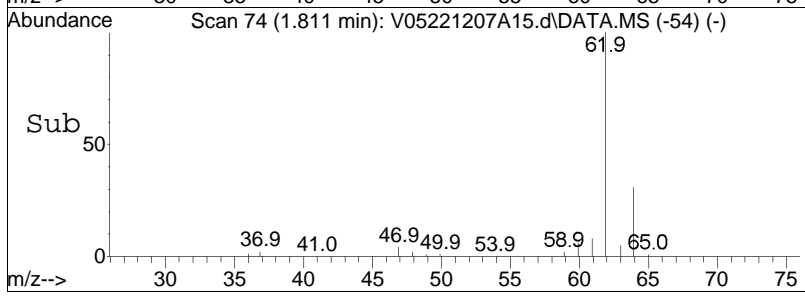
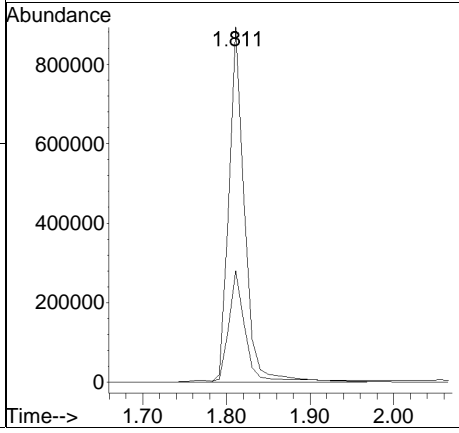
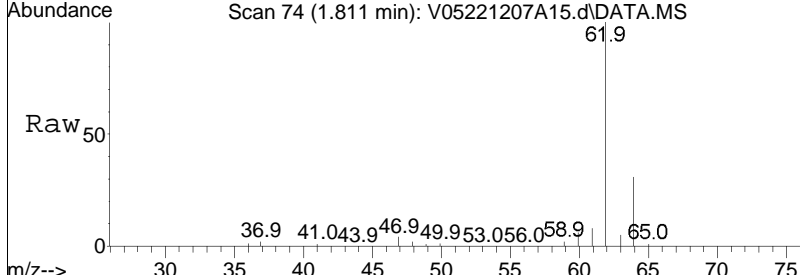
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

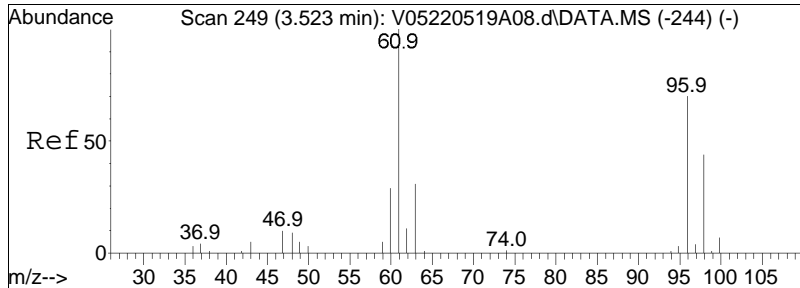




#4
 Vinyl chloride
 Concen: 81.64 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

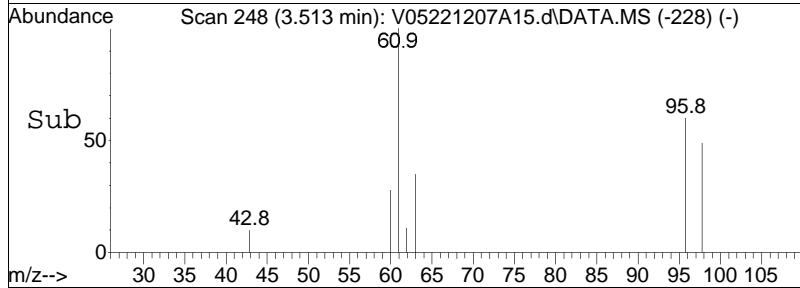
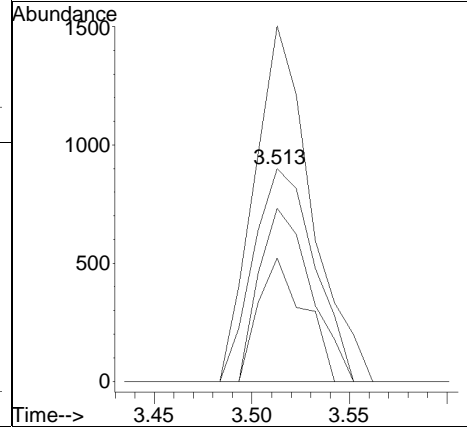
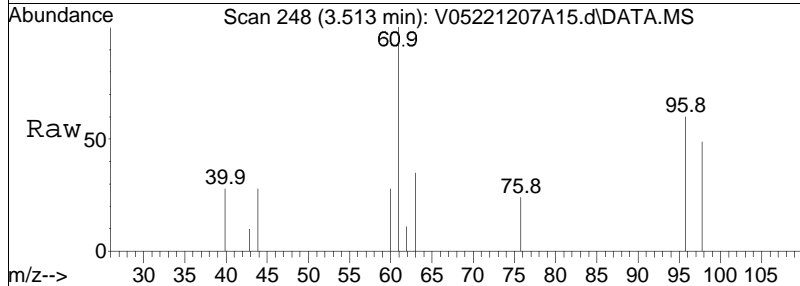
Tgt Ion: 62 Resp: 1174542
 Ion Ratio Lower Upper
 62 100
 64 35.9 13.5 53.5

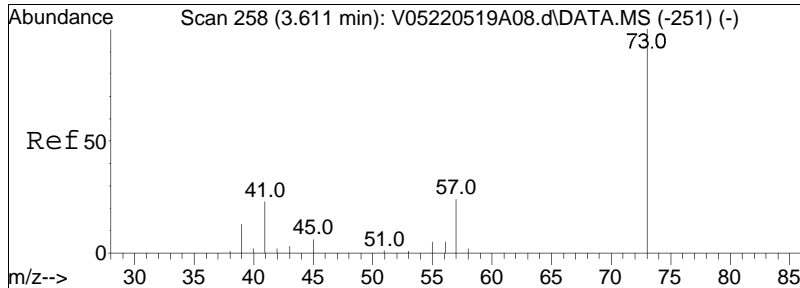




#18
 trans-1,2-Dichloroethene
 Concen: 0.17 ug/L
 RT: 3.513 min Scan# 248
 Delta R.T. -0.000 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

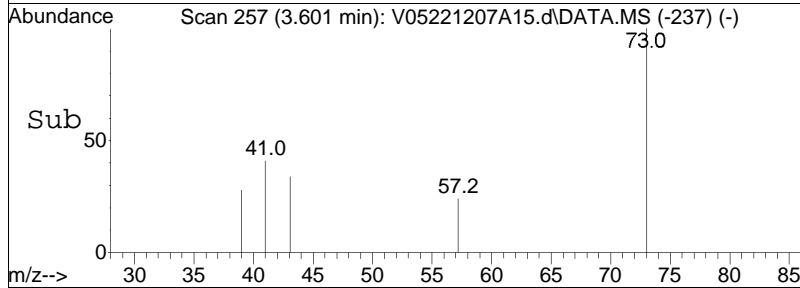
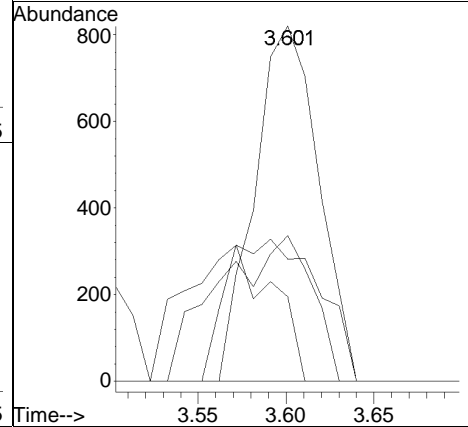
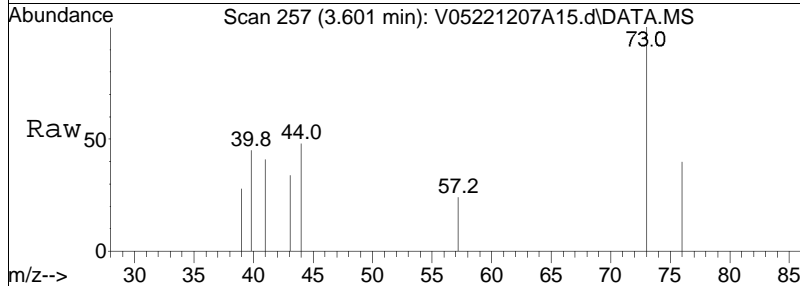
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 1959 | | |
| 96 | 100 | | |
| 61 | 155.9 | 91.7 | 190.5 |
| 98 | 69.2 | 41.1 | 85.5 |
| 63 | 43.8 | 29.4 | 61.0 |

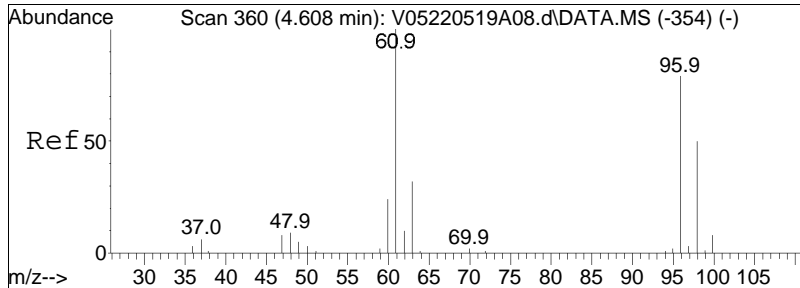




#20
 Methyl tert-butyl ether
 Concen: 0.10 ug/L
 RT: 3.601 min Scan# 257
 Delta R.T. -0.000 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

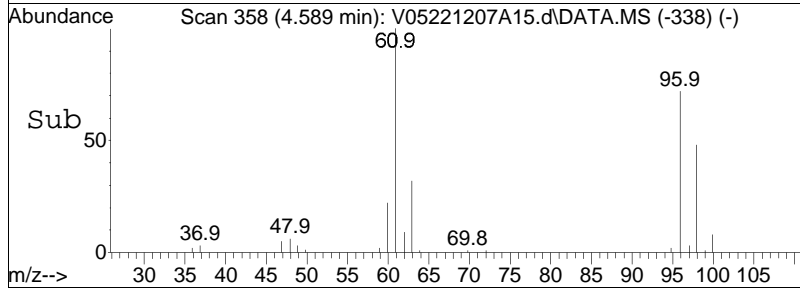
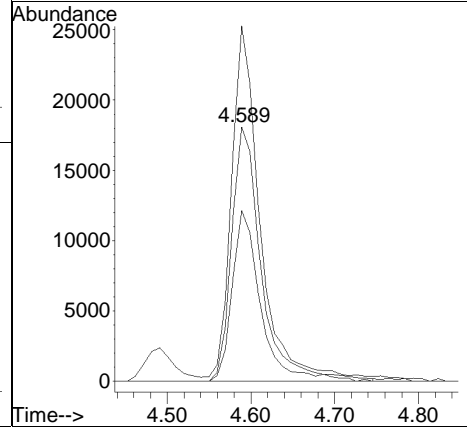
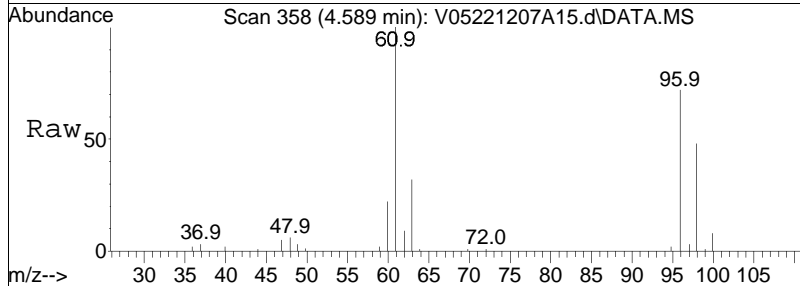
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 31.0 | 11.8 | 24.6# |
| 43 | 78.3 | 13.5 | 27.9# |
| 41 | 59.9 | 13.3 | 27.5# |

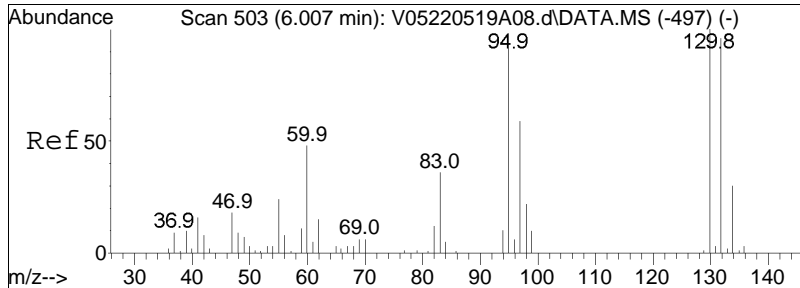




#28
 cis-1,2-Dichloroethene
 Concen: 3.56 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

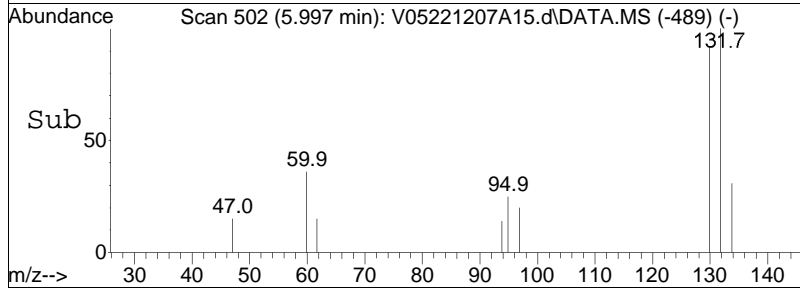
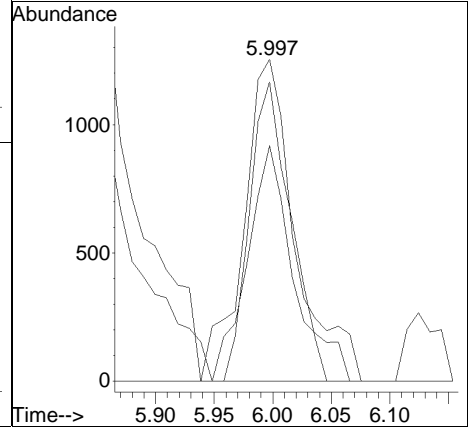
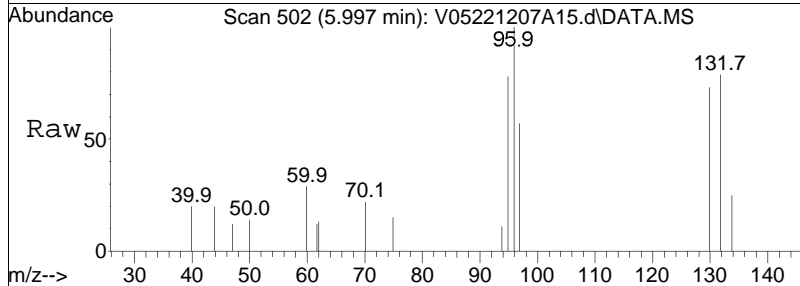
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 129.8 | 100.5 | 150.7 |
| 98 | 64.2 | 49.8 | 74.8 |

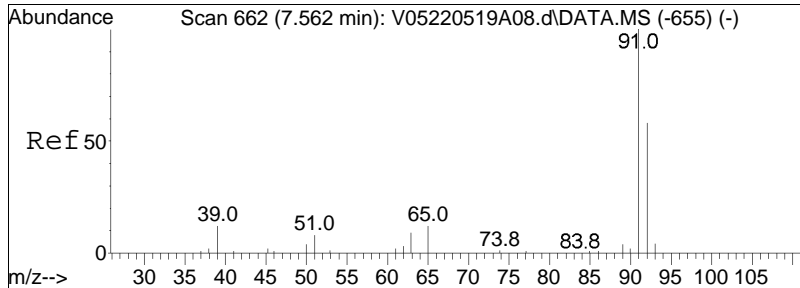




#48
 Trichloroethene
 Concen: 0.30 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

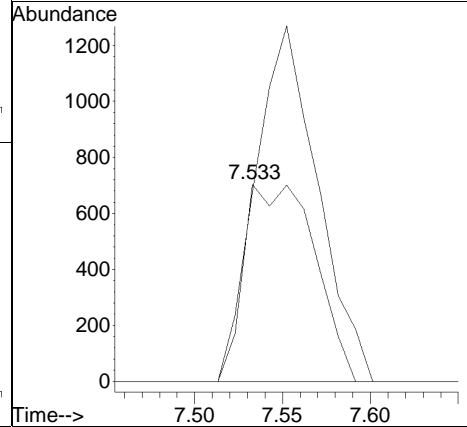
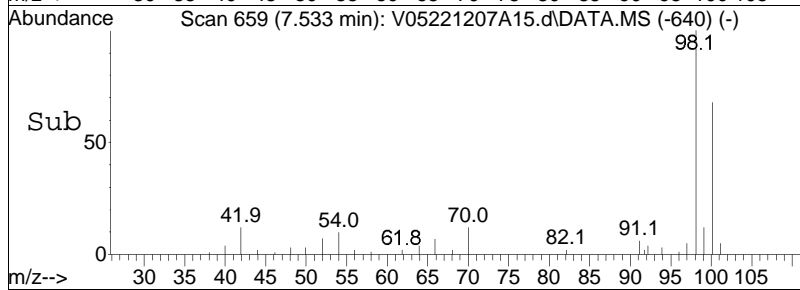
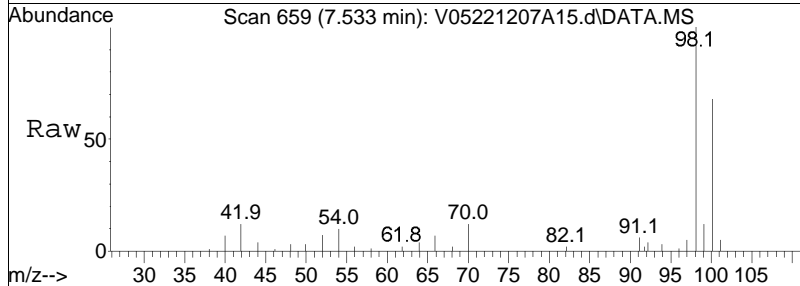
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|--------|
| 95 | 100 | | |
| 97 | 65.6 | 56.1 | 84.1 |
| 130 | 74.2 | 77.7 | 116.5# |

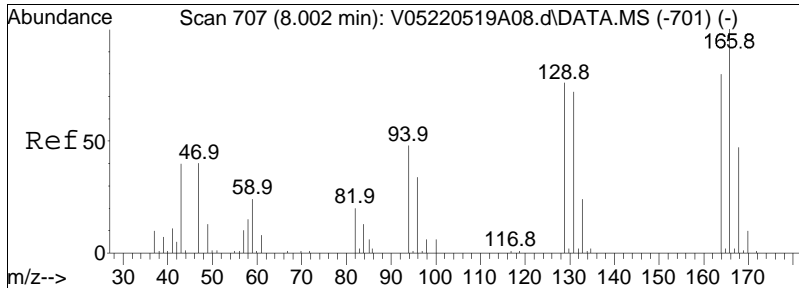




#61
 Toluene
 Concen: 0.07 ug/L
 RT: 7.533 min Scan# 659
 Delta R.T. -0.010 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

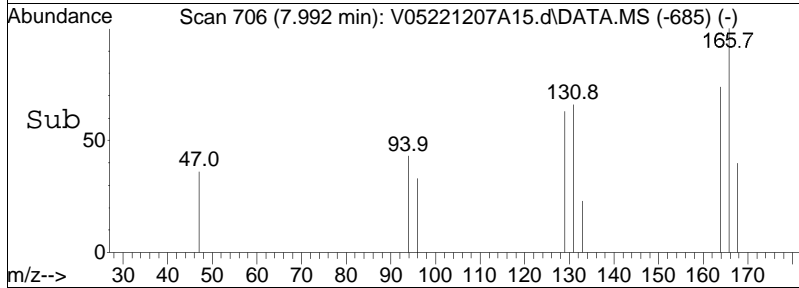
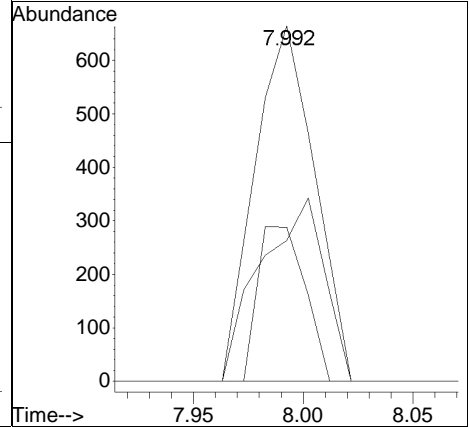
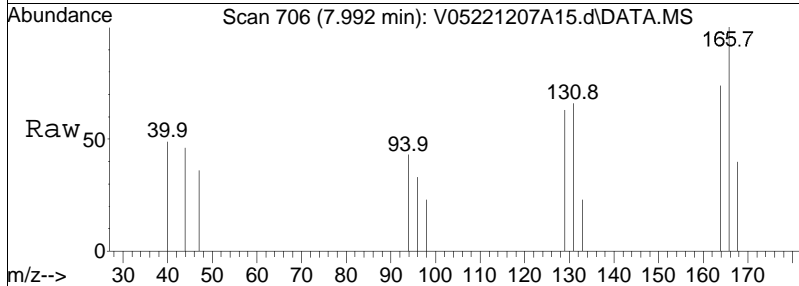
Tgt Ion: 92 Resp: 1971
 Ion Ratio Lower Upper
 92 100
 91 158.8 135.2 202.8





#63
 Tetrachloroethene
 Concen: 0.09 ug/L
 RT: 7.992 min Scan# 706
 Delta R.T. 0.010 min
 Lab File: V05221207A15.d
 Acq: 7 Dec 2022 12:27 pm

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 100 | | |
| 168 | 54.8 | 30.2 | 70.2 |
| 94 | 34.4 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A15.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 12:27 pm Instrument : VOA 105
Sample : 12267729-08,31,10,10,,c,prQuant Date : 12/7/2022 1:42 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A16.d
 Acq On : 7 Dec 2022 12:51 pm
 Operator : VOA105:PID
 Sample : 12267729-09,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 07 13:45:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 455578 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 92.12% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 360725 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 92.68% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 202920 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 92.16% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 128550 | 10.117 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.17% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 136317 | 9.673 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.73% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 445463 | 10.126 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.26% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 172426 | 10.201 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.01% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 90263 | 6.187 | ug/L | | 75 |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | N.D. | | | |
| 15) Methylene chloride | 3.366 | 84 | 477 | N.D. | | | |
| 17) Acetone | 3.405 | 43 | 83050 | 53.554 | ug/L | | 90 |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 1806 | 0.158 | ug/L | | 78 |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 1634 | 0.079 | ug/L # | | 1 |
| 23) 1,1-Dichloroethane | 0.000 | | 0 | N.D. | | | |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 73801 | 5.764 | ug/L | | 95 |
| 32) Chloroform | 0.000 | | 0 | N.D. | | | |
| 34) Carbon tetrachloride | 0.000 | | 0 | N.D. | | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | N.D. | | | |
| 39) 2-Butanone | 5.146 | 43 | 67384 | 27.730 | ug/L # | | 42 |
| 41) Benzene | 5.401 | 78 | 1452 | N.D. | | | |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 1063 | N.D. | | | |
| 48) Trichloroethene | 5.997 | 95 | 4586 | 0.345 | ug/L | | 90 |
| 57) 1,4-Dioxane | 0.000 | | 0 | N.D. | | | |
| 61) Toluene | 7.552 | 92 | 540 | N.D. | | | |
| 63) Tetrachloroethene | 7.983 | 166 | 1416 | 0.106 | ug/L | | 82 |
| 73) Chlorobenzene | 0.000 | | 0 | N.D. | | | |
| 74) Ethylbenzene | 9.392 | 91 | 108 | N.D. | | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A16.d
 Acq On : 7 Dec 2022 12:51 pm
 Operator : VOA105:PID
 Sample : 12267729-09,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 07 13:45:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.852 | 91 | 396 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 98) sec-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

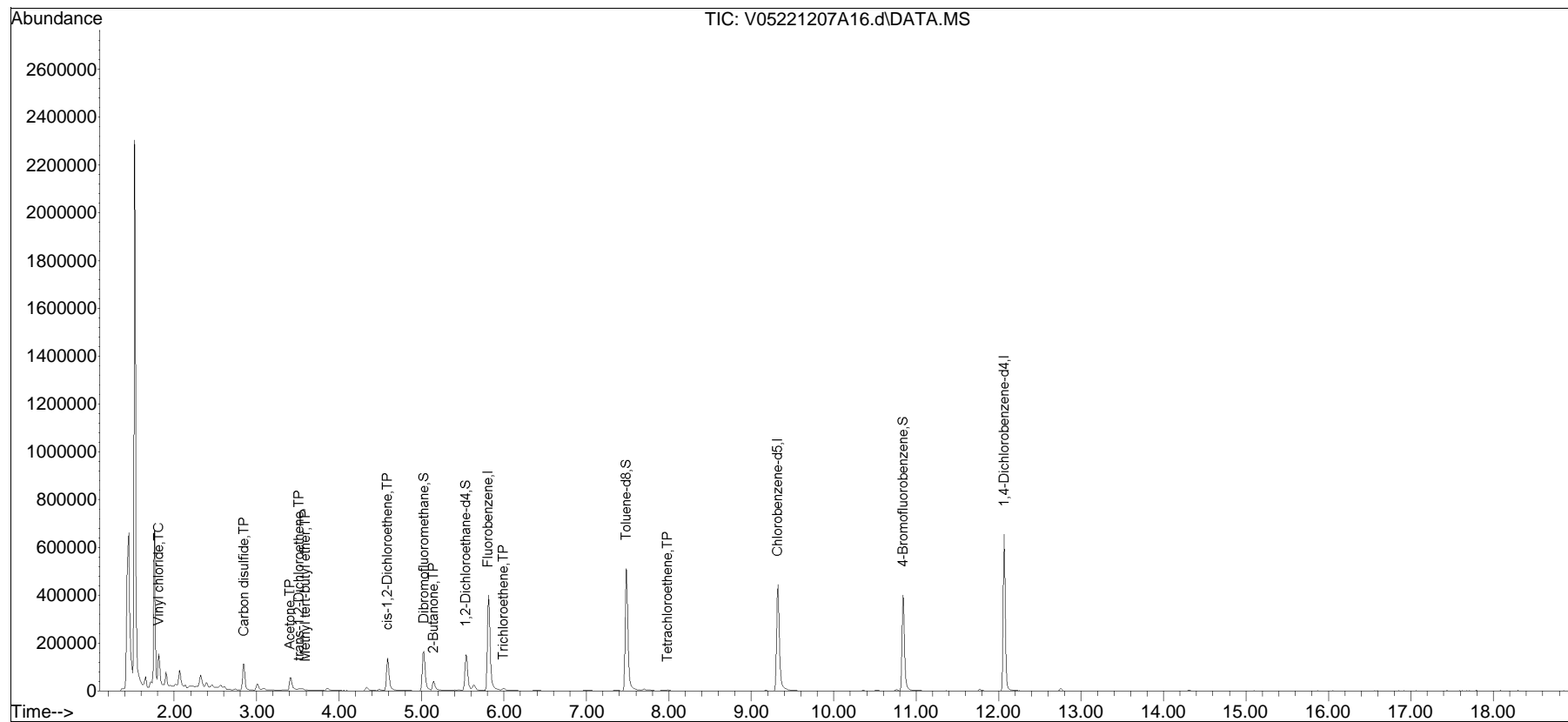
(#) = qualifier out of range (m) = manual integration (+) = signals summed

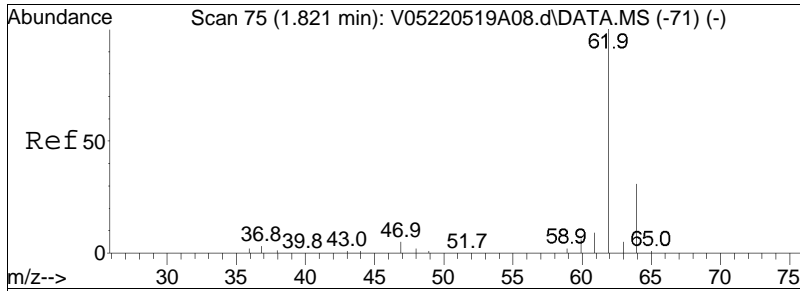
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A16.d
 Acq On : 7 Dec 2022 12:51 pm
 Operator : VOA105:PID
 Sample : 12267729-09,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 07 13:45:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

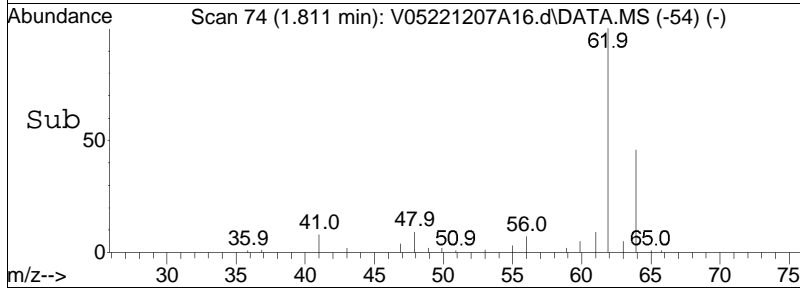
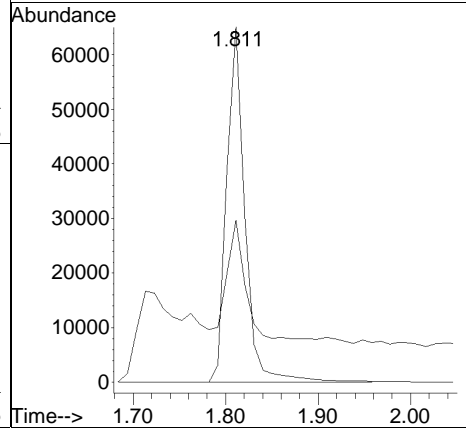
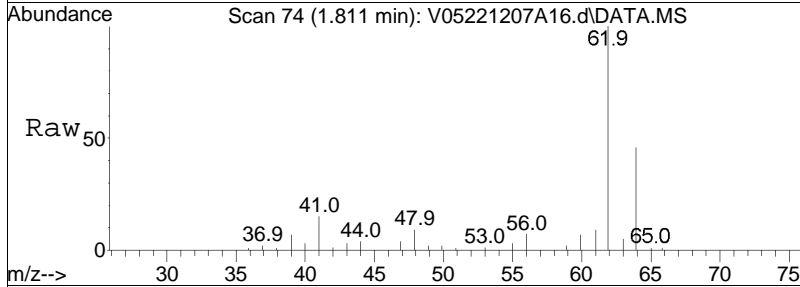
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

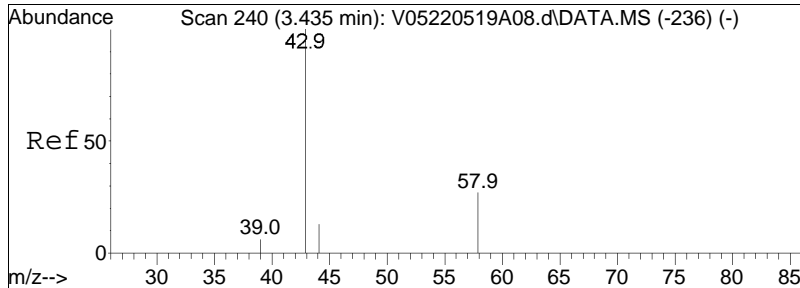




#4
 Vinyl chloride
 Concen: 6.19 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

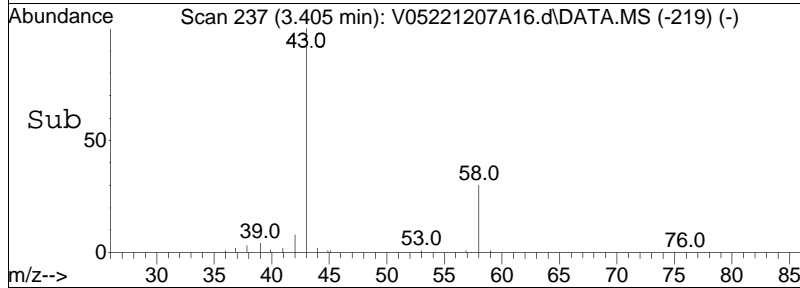
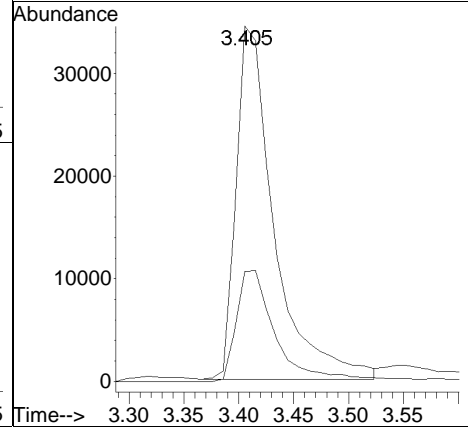
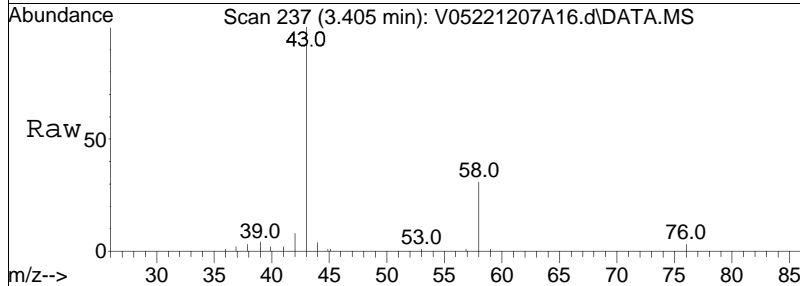
Tgt Ion: 62 Resp: 90263
 Ion Ratio Lower Upper
 62 100
 64 47.9 13.5 53.5

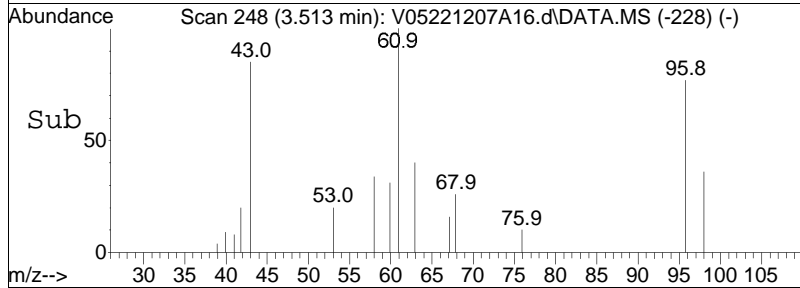
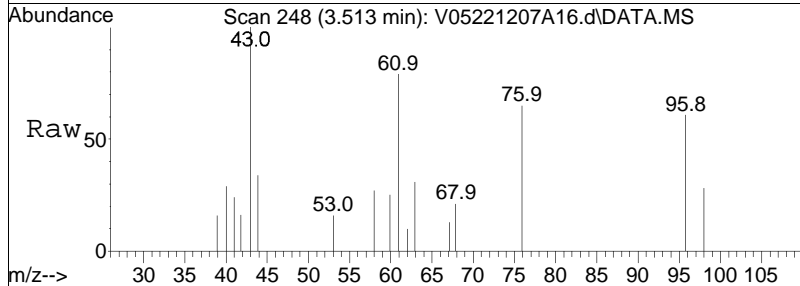
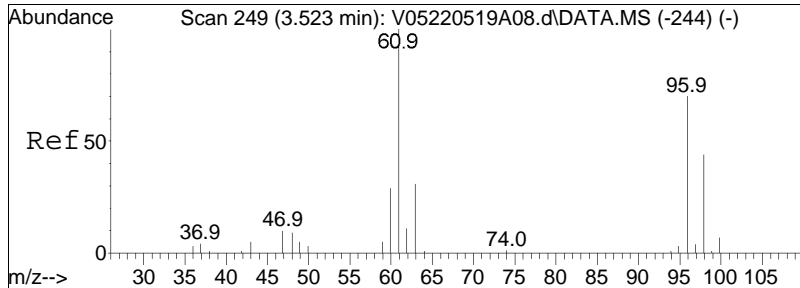




#17
 Acetone
 Concen: 53.55 ug/L
 RT: 3.405 min Scan# 237
 Delta R.T. -0.020 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

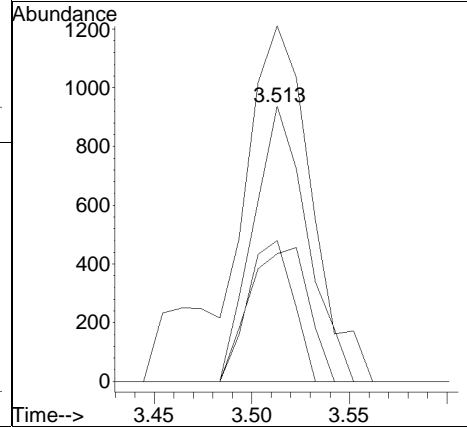
Tgt Ion: 43 Resp: 83050
 Ion Ratio Lower Upper
 43 100
 58 32.9 22.0 33.0

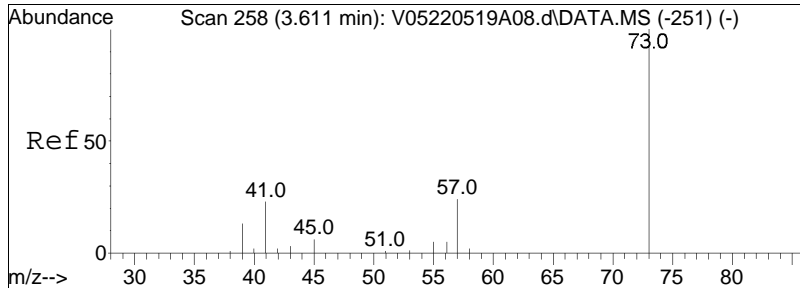




#18
 trans-1,2-Dichloroethene
 Concen: 0.16 ug/L
 RT: 3.513 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

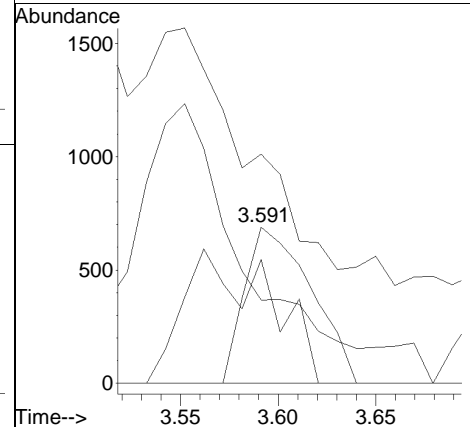
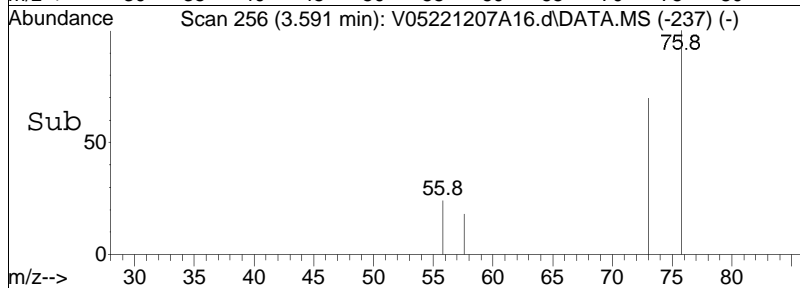
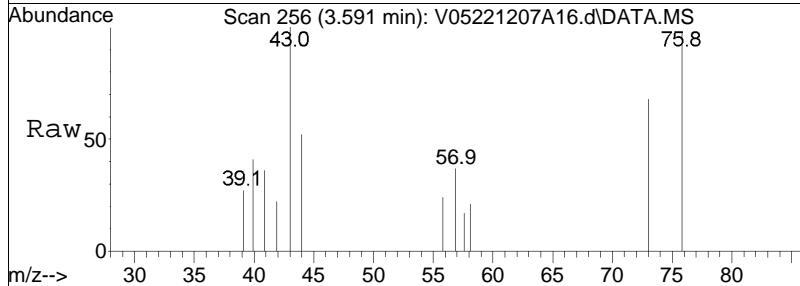
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 181.3 | 91.7 | 190.5 |
| 98 | 53.3 | 41.1 | 85.5 |
| 63 | 43.0 | 29.4 | 61.0 |

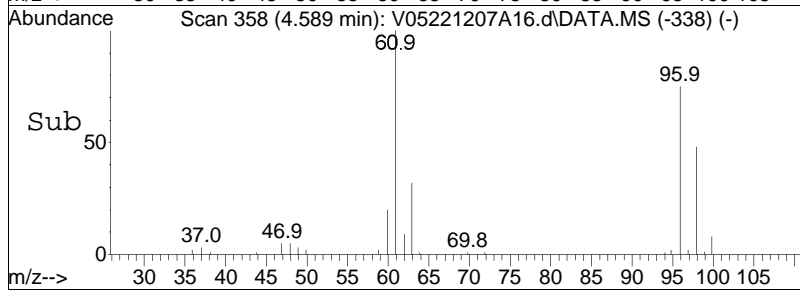
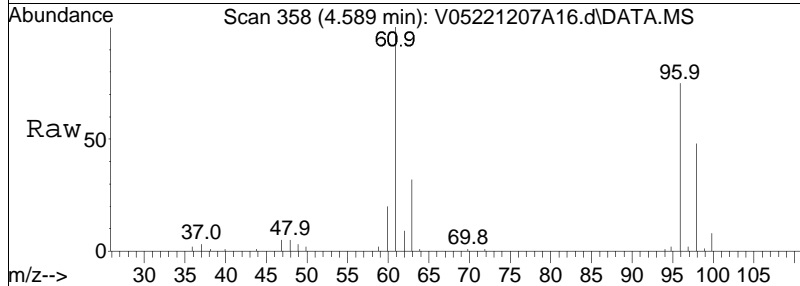
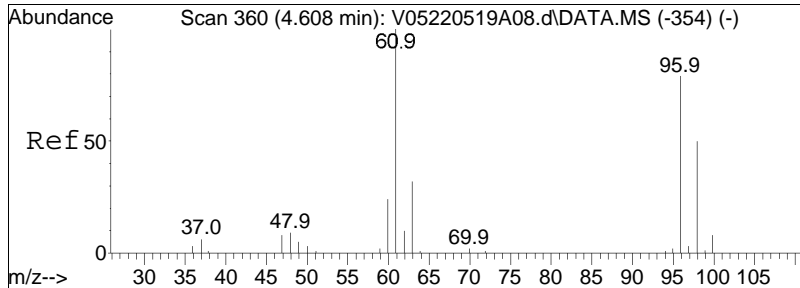




#20
 Methyl tert-butyl ether
 Concen: 0.08 ug/L
 RT: 3.591 min Scan# 256
 Delta R.T. -0.010 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

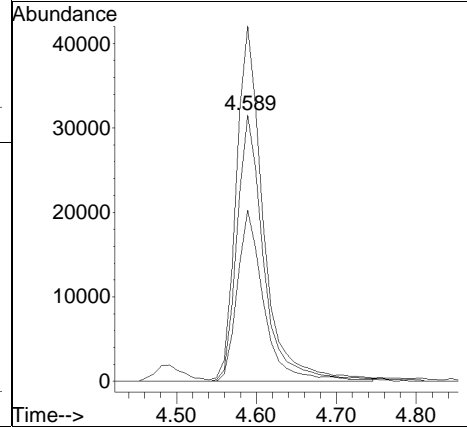
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 73 | 100 | | |
| 57 | 68.1 | 11.8 | 24.6# |
| 43 | 0.0 | 13.5 | 27.9# |
| 41 | 305.9 | 13.3 | 27.5# |

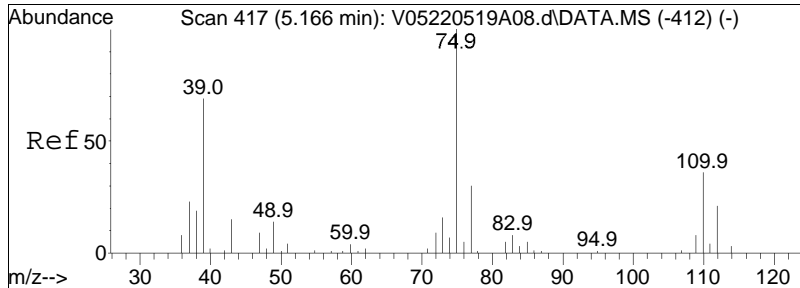




#28
 cis-1,2-Dichloroethene
 Concen: 5.76 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

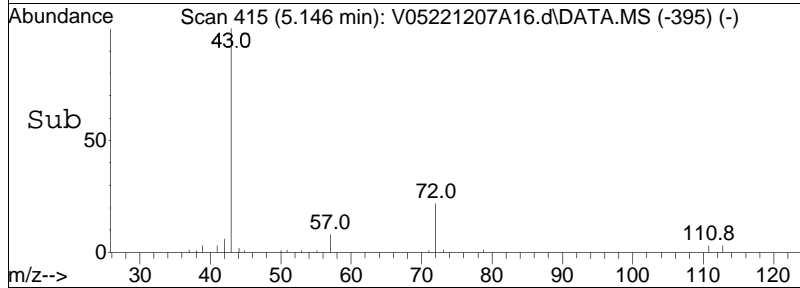
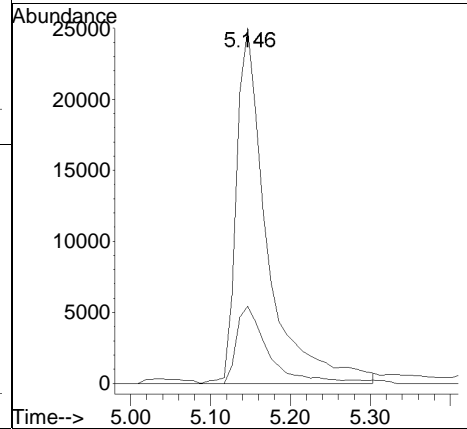
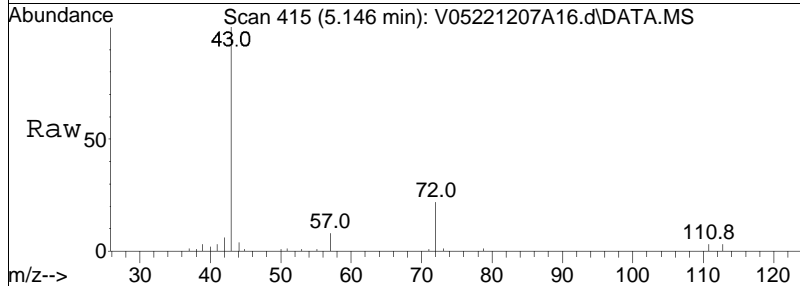
| Tgt Ion: | 96 | Resp: | 73801 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 132.2 | 100.5 | 150.7 |
| 98 | 63.9 | 49.8 | 74.8 |

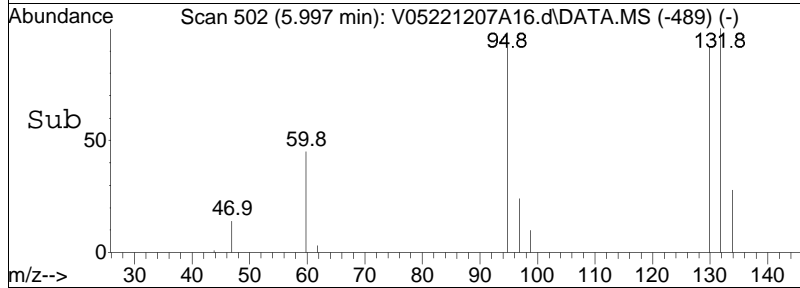
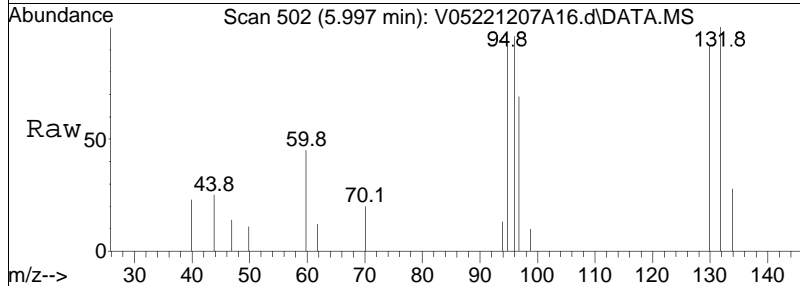
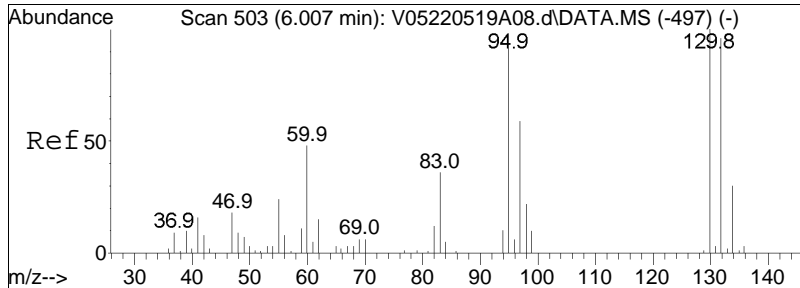




#39
 2-Butanone
 Concen: 27.73 ug/L
 RT: 5.146 min Scan# 415
 Delta R.T. 0.000 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

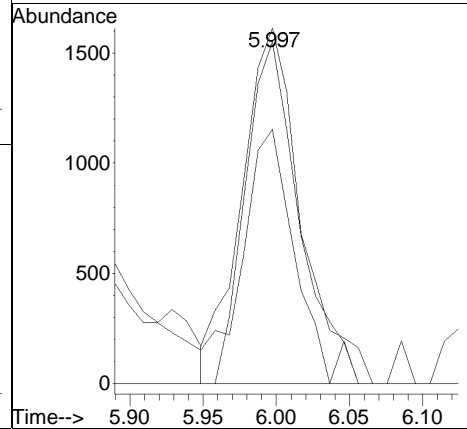
Tgt Ion: 43 Resp: 67384
 Ion Ratio Lower Upper
 43 100
 72 22.4 55.6 83.4#

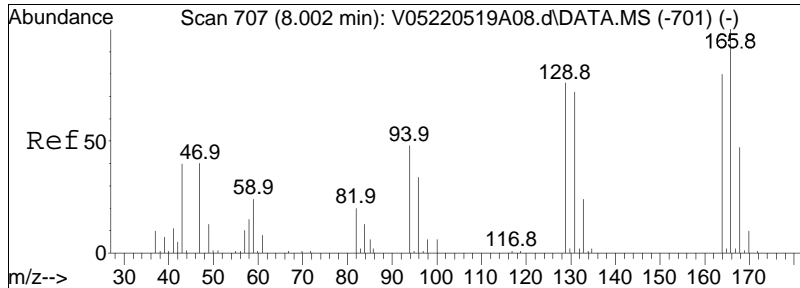




#48
 Trichloroethene
 Concen: 0.34 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

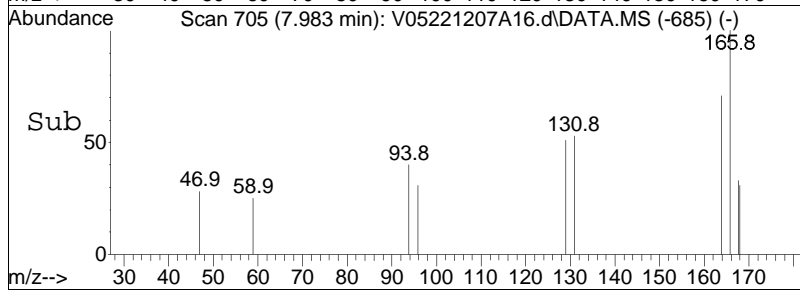
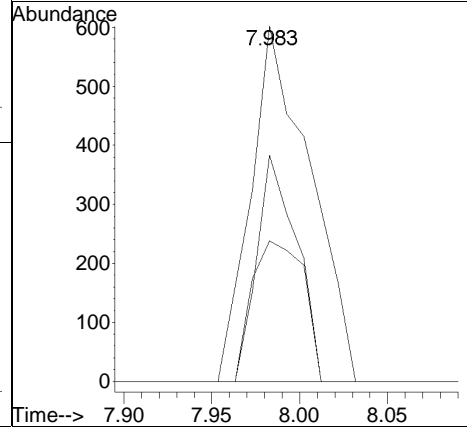
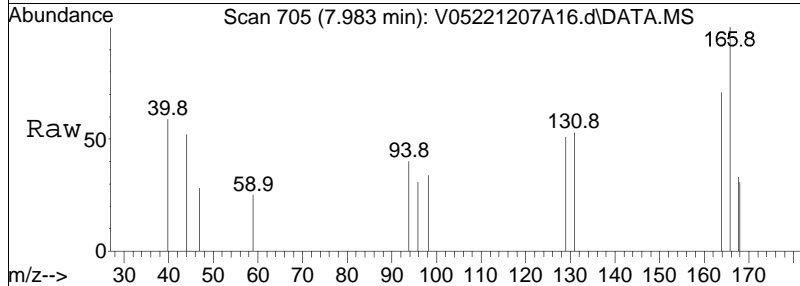
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 95 | 4586 | | |
| 95 | 100 | | |
| 97 | 63.0 | 56.1 | 84.1 |
| 130 | 86.3 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 0.11 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A16.d
 Acq: 7 Dec 2022 12:51 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 42.6 | 30.2 | 70.2 |
| 94 | 34.5 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A16.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 12:51 pm Instrument : VOA 105
Sample : 12267729-09,31,10,10,,c,prQuant Date : 12/7/2022 1:42 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A17.d
 Acq On : 7 Dec 2022 1:14 pm
 Operator : VOA105:PID
 Sample : 12267729-10,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 07 13:45:58 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 456160 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 92.24% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 363811 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 93.47% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 206149 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 93.62% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 130339 | 10.245 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.45% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 135998 | 9.638 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 96.38% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 447844 | 10.094 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.94% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 174044 | 10.136 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.36% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | | Qvalue |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | | |
| 17) Acetone | 0.000 | | 0 | | N.D. d | | |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 90 | | 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 | 4.589 | 96 | 55432 | 4.324 | ug/L | 97 | |
| 32) Chloroform | 4.853 | 83 | 115283 | 5.731 | ug/L | 97 | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. d | | |
| 37) 1,1,1-Trichloroethane | 0.000 | | 0 | | N.D. | | |
| 39) 2-Butanone | 0.000 | | 0 | | N.D. | | |
| 41) Benzene | 5.420 | 78 | 96 | | N.D. | | |
| 44) 1,2-Dichloroethane | 0.000 | | 0 | | N.D. | | |
| 48) Trichloroethene | 5.997 | 95 | 7590 | 0.570 | ug/L | 88 | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | | |
| 61) Toluene | 0.000 | | 0 | | N.D. | | |
| 63) Tetrachloroethene | 7.983 | 166 | 39653 | 2.932 | ug/L | 90 | |
| 73) Chlorobenzene | 0.000 | | 0 | | N.D. | | |
| 74) Ethylbenzene | 9.324 | 91 | 677 | | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A17.d
 Acq On : 7 Dec 2022 1:14 pm
 Operator : VOA105:PID
 Sample : 12267729-10,31,10,10,,c,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 07 13:45:58 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 10.842 | 91 | 476 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 0.000 | | 0 | | | N.D. |
| 94) tert-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.675 | 105 | 94 | | | N.D. |
| 98) sec-Butylbenzene | 11.675 | 105 | 94 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 0.000 | | 0 | | | N.D. |
| 103) n-Butylbenzene | 0.000 | | 0 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 0.000 | | 0 | | | N.D. |

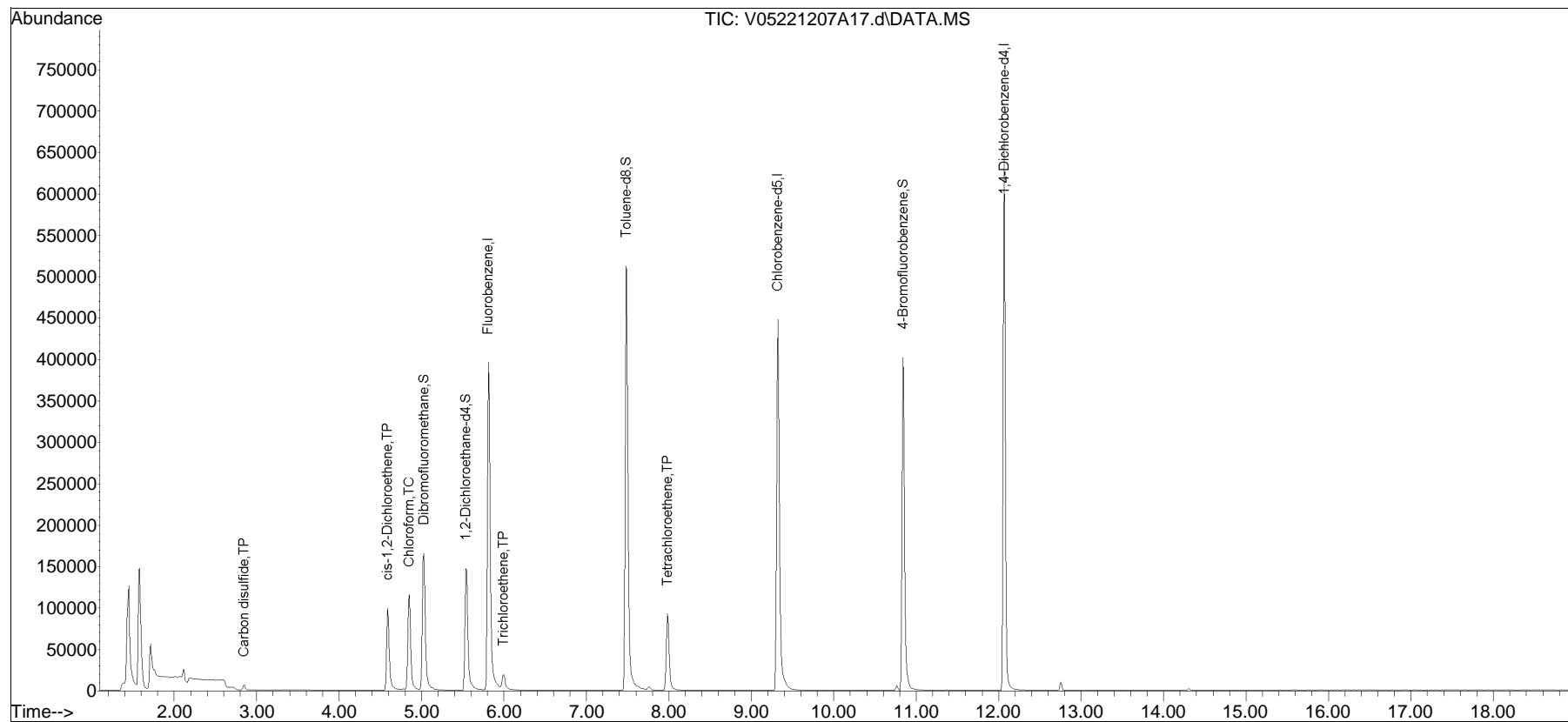
(#) = qualifier out of range (m) = manual integration (+) = signals summed

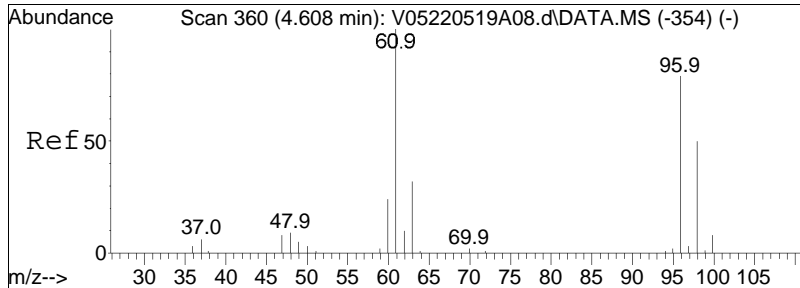
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A17.d
Acq On : 7 Dec 2022 1:14 pm
Operator : VOA105:PID
Sample : 12267729-10,31,10,10,,c,pri
Misc : WG1720634,ICAL19461
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 07 13:45:58 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

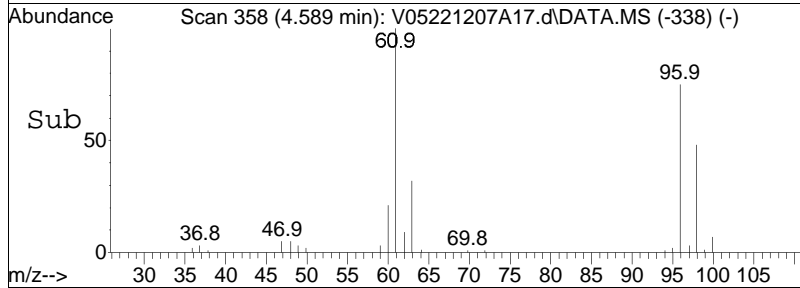
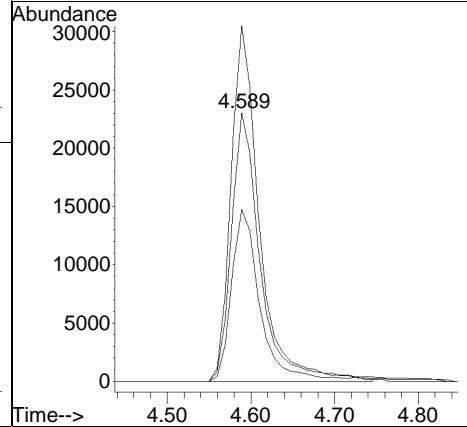
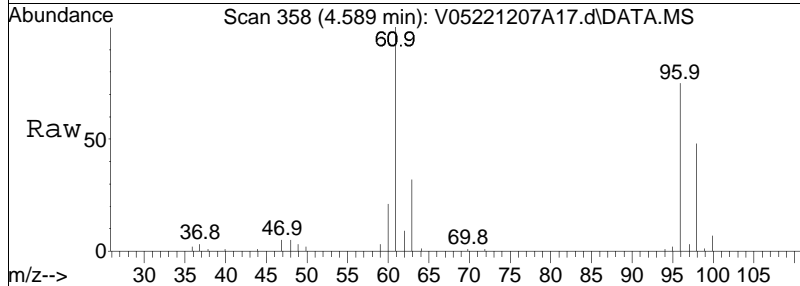
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

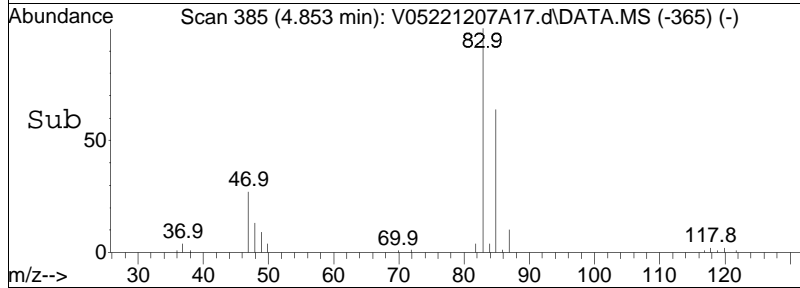
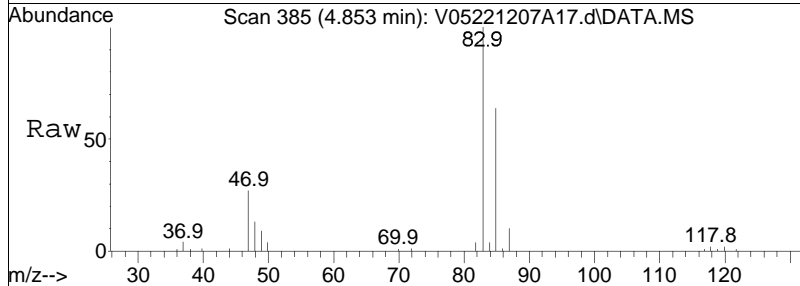
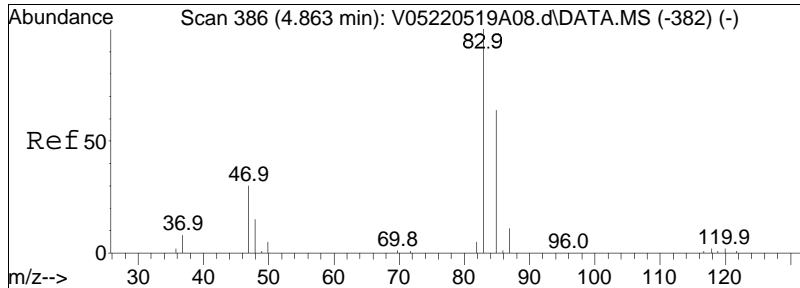




#28
 cis-1,2-Dichloroethene
 Concen: 4.32 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A17.d
 Acq: 7 Dec 2022 1:14 pm

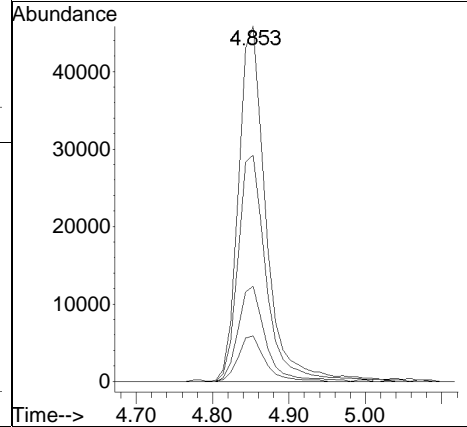
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 130.1 | 100.5 | 150.7 |
| 98 | 63.5 | 49.8 | 74.8 |

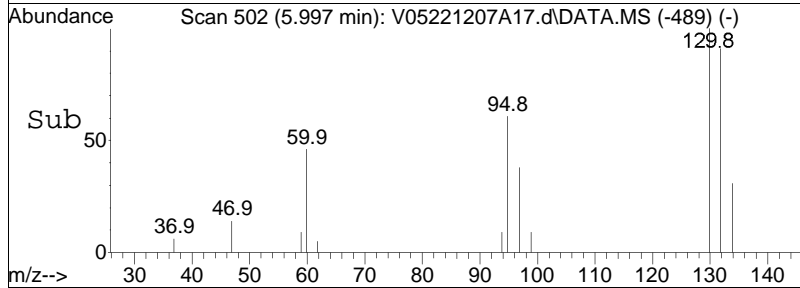
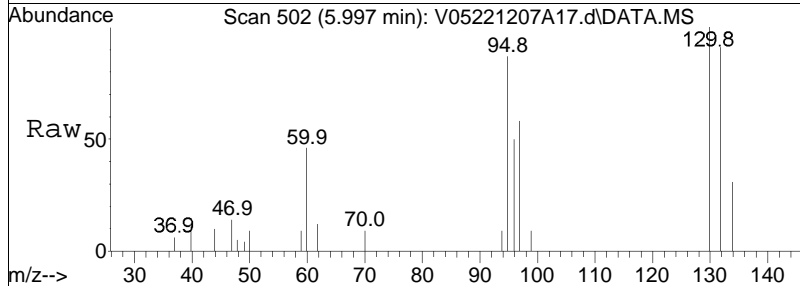
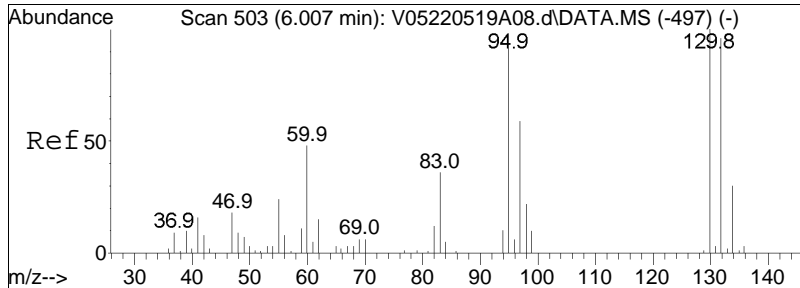




#32
 Chloroform
 Concen: 5.73 ug/L
 RT: 4.853 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: V05221207A17.d
 Acq: 7 Dec 2022 1:14 pm

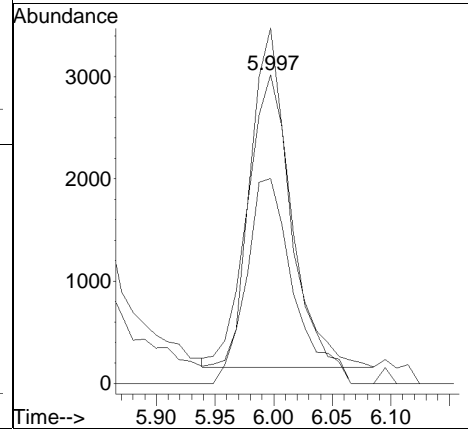
| Tgt Ion: | 83 | Resp: | 115283 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 83 | 100 | | |
| 85 | 65.5 | 42.8 | 89.0 |
| 47 | 26.5 | 13.7 | 28.4 |
| 48 | 12.5 | 6.9 | 14.3 |

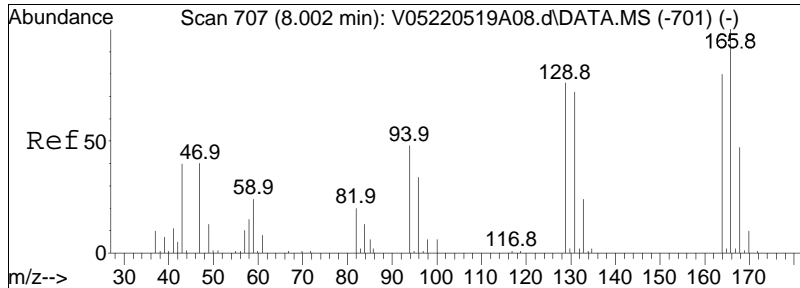




#48
 Trichloroethene
 Concen: 0.57 ug/L
 RT: 5.997 min Scan# 502
 Delta R.T. 0.010 min
 Lab File: V05221207A17.d
 Acq: 7 Dec 2022 1:14 pm

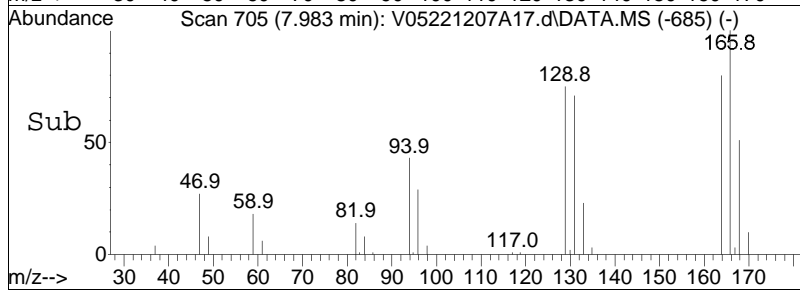
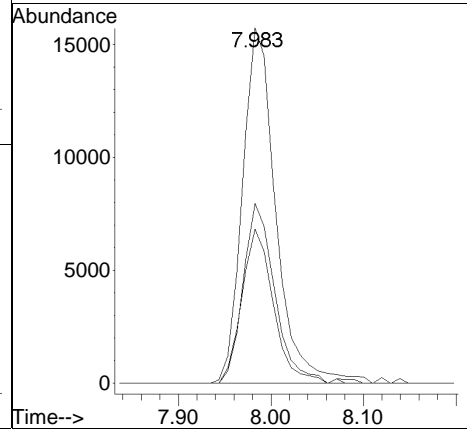
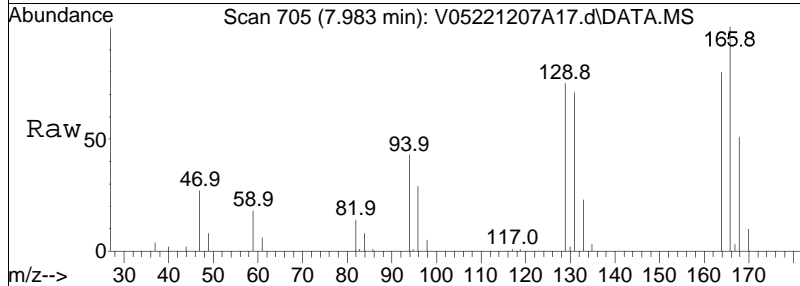
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 95 | 7590 | | |
| 95 | 100 | | |
| 97 | 75.5 | 56.1 | 84.1 |
| 130 | 113.5 | 77.7 | 116.5 |





#63
 Tetrachloroethene
 Concen: 2.93 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A17.d
 Acq: 7 Dec 2022 1:14 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 166 | 39653 | | |
| 166 | 100 | | |
| 168 | 47.8 | 30.2 | 70.2 |
| 94 | 41.3 | 32.5 | 72.5 |



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A17.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 1:14 pm Instrument : VOA 105
Sample : 12267729-10,31,10,10,,c,prQuant Date : 12/7/2022 1:42 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

| | |
|---|---------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Instrument ID : VOA105 | Ical Ref : ICAL19461 |
| Calibration dates : 11/07/22 17:43 11/07/22 21:13 | |

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1) I Fluorobenzene | -----ISTD----- | | | | | | | | | |
| 2) TP Dichlorodifluo | | 0.206 | 0.260 | 0.255 | 0.245 | 0.234 | 0.236 | 0.233 | 0.239 | 7.37 |
| 3) TP Chloromethane | | 0.281 | 0.325 | 0.309 | 0.297 | 0.279 | 0.279 | 0.273 | 0.292 | 6.66 |
| 4) TC Vinyl chloride | 0.298 | 0.258 | 0.353 | 0.345 | 0.335 | 0.324 | 0.326 | 0.323 | 0.320 | 9.39 |
| 5) TP Bromomethane | | 0.190 | 0.227 | 0.198 | 0.200 | 0.199 | 0.206 | 0.206 | 0.204 | 5.73 |
| 6) TP Chloroethane | | 0.224 | 0.255 | 0.240 | 0.228 | 0.213 | 0.209 | 0.198 | 0.224 | 8.62 |
| 7) TP Trichlorofluor | | 0.383 | 0.514 | 0.513 | 0.497 | 0.471 | 0.467 | 0.459 | 0.472 | 9.50 |
| 8) TP Ethyl ether | | 0.115 | 0.117 | 0.113 | 0.109 | 0.104 | 0.102 | 0.099 | 0.108 | 6.33 |
| 10) TC 1,1-Dichloroet | | 0.204 | 0.243 | 0.223 | 0.217 | 0.218 | 0.228 | 0.230 | 0.223 | 5.38 |
| 11) TP Carbon disulfide | | 0.354 | 0.437 | 0.413 | 0.404 | 0.416 | 0.429 | 0.432 | 0.412 | 6.80 |
| 12) TP Freon-113 | | 0.184 | 0.257 | 0.257 | 0.253 | 0.250 | 0.259 | 0.260 | 0.246 | 11.23 |
| 13) TP Iodomethane | | 0.267 | 0.334 | 0.339 | 0.343 | 0.354 | 0.366 | 0.359 | 0.337 | 9.81 |
| 14) TP Acrolein | | | 0.037 | 0.029 | 0.029 | 0.029 | 0.029 | 0.028 | 0.030 | 11.69 |
| 15) TP Methylene chlo | | 0.246 | 0.250 | 0.239 | 0.236 | 0.236 | 0.238 | 0.237 | 0.240 | 2.25 |
| 17) TP Acetone | | | 0.036 | 0.032 | 0.034 | 0.035 | 0.034 | 0.034 | 0.034 | 3.78 |
| 18) TP trans-1,2-Dich | | 0.236 | 0.269 | 0.250 | 0.249 | 0.249 | 0.253 | 0.251 | 0.251 | 3.76 |
| 19) TP Methyl acetate | | | 0.074 | 0.083 | 0.091 | 0.089 | 0.085 | 0.085 | 0.084 | 7.00 |
| 20) TP Methyl tert butyl ether | | 0.422 | 0.456 | 0.456 | 0.466 | 0.462 | 0.465 | 0.460 | 0.455 | 3.35 |
| 21) TP tert-Butyl alc | | 0.012 | 0.012 | 0.011 | 0.012 | 0.011 | 0.011 | 0.011 | 0.011 | 5.38 |
| 22) TP Diisopropyl ether | | 0.695 | 0.745 | 0.745 | 0.747 | 0.718 | 0.718 | 0.715 | 0.726 | 2.74 |
| 23) TP 1,1-Dichloroet | | 0.454 | 0.533 | 0.510 | 0.507 | 0.489 | 0.490 | 0.484 | 0.495 | 5.01 |
| 24) TP Halothane | | 0.144 | 0.211 | 0.201 | 0.204 | 0.205 | 0.210 | 0.209 | 0.198 | 12.15 |
| 25) TP Acrylonitrile | | 0.046 | 0.050 | 0.049 | 0.052 | 0.050 | 0.049 | 0.049 | 0.049 | 3.58 |
| 26) TP Ethyl tert-but | | 0.648 | 0.716 | 0.736 | 0.745 | 0.731 | 0.731 | 0.723 | 0.719 | 4.49 |
| 27) TP Vinyl acetate | | | 0.264 | 0.354 | 0.371 | 0.392 | 0.411 | 0.350 | 0.357 | 14.38 |
| 28) TP cis-1,2-Dichlo | | 0.275 | 0.294 | 0.285 | 0.284 | 0.277 | 0.279 | 0.276 | 0.281 | 2.38 |
| 29) TP 2,2-Dichloropr | | 0.356 | 0.446 | 0.425 | 0.415 | 0.401 | 0.404 | 0.398 | 0.406 | 6.82 |
| 30) TP Bromochloromet | | 0.094 | 0.129 | 0.131 | 0.130 | 0.130 | 0.129 | 0.126 | 0.124 | 10.82 |
| 31) TP Cyclohexane | | 0.458 | 0.557 | 0.553 | 0.540 | 0.517 | 0.522 | 0.531 | 0.525 | 6.30 |
| 32) TC Chloroform | | 0.407 | 0.472 | 0.452 | 0.447 | 0.435 | 0.439 | 0.435 | 0.441 | 4.52 |
| 33) TP Ethyl acetate | | | 0.122 | 0.133 | 0.139 | 0.139 | 0.137 | 0.137 | 0.134 | 4.90 |
| 34) TP Carbon tetrachloride | 0.351 | 0.319 | 0.401 | 0.411 | 0.421 | 0.417 | 0.413 | 0.424 | 0.395 | 9.71 |
| 35) TP Tetrahydrofuran | | | 0.063 | 0.040 | 0.037 | 0.034 | 0.036 | 0.036 | *L | 0.9995 |
| 36) S Dibromofluoromethane | 0.286 | 0.283 | 0.286 | 0.276 | 0.278 | 0.274 | 0.273 | 0.274 | 0.279 | 1.97 |
| 37) TP 1,1,1-Trichlor | | 0.371 | 0.445 | 0.427 | 0.422 | 0.411 | 0.415 | 0.412 | 0.415 | 5.47 |
| 39) TP 2-Butanone | | | 0.042 | 0.053 | 0.057 | 0.056 | 0.056 | 0.055 | 0.053 | 10.46 |



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC **Lab Number** : L2267729
Project Name : FORMER PFIZER INC SITE B&D **Project Number** : 0047.0044Y047
Instrument ID : VOA105 **Ical Ref** : ICAL19461
Calibration dates : 11/07/22 17:43 11/07/22 21:13

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|-----------------------------------|-------|----------------|-------|-------|-------|-------|-------|-------|--------|-------|
| 40) TP 1,1-Dichloropr | | 0.273 | 0.356 | 0.352 | 0.353 | 0.349 | 0.352 | 0.352 | 0.341 | 8.84 |
| 41) TP Benzene | 0.829 | 0.818 | 0.984 | 0.991 | 1.003 | 0.982 | 0.992 | 0.982 | 0.948 | 8.11 |
| 42) TP Tertiary-Amyl Methyl Ether | | 0.519 | 0.557 | 0.561 | 0.574 | 0.572 | 0.577 | 0.571 | 0.561 | 3.55 |
| 43) S 1,2-Dichloroethane-d4 | 0.318 | 0.316 | 0.320 | 0.326 | 0.298 | 0.301 | 0.295 | 0.301 | 0.309 | 3.82 |
| 44) TP 1,2-Dichloroet | | 0.322 | 0.356 | 0.347 | 0.339 | 0.326 | 0.324 | 0.318 | 0.333 | 4.27 |
| 47) TP Methyl cyclohe | | 0.364 | 0.478 | 0.484 | 0.490 | 0.482 | 0.487 | 0.489 | 0.468 | 9.79 |
| 48) TP Trichloroethene | 0.348 | 0.280 | 0.303 | 0.281 | 0.285 | 0.275 | 0.277 | 0.288 | 0.292 | 8.36 |
| 50) TP Dibromomethane | | 0.129 | 0.143 | 0.144 | 0.143 | 0.141 | 0.140 | 0.140 | 0.140 | 3.55 |
| 51) TC 1,2-Dichloropr | | 0.230 | 0.288 | 0.285 | 0.282 | 0.275 | 0.276 | 0.276 | 0.273 | 7.24 |
| 53) TP 2-Chloroethyl | | 0.102 | 0.117 | 0.129 | 0.132 | 0.128 | 0.128 | 0.126 | 0.123 | 8.40 |
| 54) TP Bromodichlorom | | 0.319 | 0.354 | 0.342 | 0.342 | 0.334 | 0.340 | 0.338 | 0.338 | 3.04 |
| 57) TP 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 8.36 |
| 58) TP cis-1,3-Dichlo | | 0.337 | 0.394 | 0.403 | 0.410 | 0.405 | 0.410 | 0.405 | 0.395 | 6.61 |
| 59) I Chlorobenzene-d5 | | -----ISTD----- | | | | | | | | |
| 60) S Toluene-d8 | 1.224 | 1.219 | 1.239 | 1.230 | 1.210 | 1.207 | 1.214 | 1.214 | 1.220 | 0.89 |
| 61) TC Toluene | | 0.657 | 0.779 | 0.793 | 0.782 | 0.782 | 0.784 | 0.778 | 0.765 | 6.26 |
| 62) TP 4-Methyl-2-pen | | 0.076 | 0.072 | 0.070 | 0.071 | 0.069 | 0.067 | 0.067 | 0.070 | 4.37 |
| 63) TP Tetrachloroethene | | 0.261 | 0.377 | 0.381 | 0.393 | 0.395 | 0.401 | 0.396 | 0.372 | 13.30 |
| 65) TP trans-1,3-Dich | | 0.337 | 0.403 | 0.422 | 0.425 | 0.424 | 0.427 | 0.417 | 0.408 | 7.91 |
| 67) TP Ethyl methacry | | 0.253 | 0.270 | 0.271 | 0.270 | 0.269 | 0.267 | 0.259 | 0.265 | 2.63 |
| 68) TP 1,1,2-Trichlor | | 0.181 | 0.196 | 0.192 | 0.186 | 0.186 | 0.185 | 0.184 | 0.187# | 2.83 |
| 69) TP Chlorodibromom | | 0.249 | 0.284 | 0.307 | 0.313 | 0.320 | 0.322 | 0.317 | 0.302 | 8.79 |
| 70) TP 1,3-Dichloropr | | 0.333 | 0.374 | 0.400 | 0.394 | 0.392 | 0.392 | 0.384 | 0.381 | 6.02 |
| 71) TP 1,2-Dibromoethane | | 0.147 | 0.152 | 0.151 | 0.145 | 0.143 | 0.140 | 0.131 | 0.144# | 4.97 |
| 72) TP 2-Hexanone | | 0.094 | 0.101 | 0.105 | 0.106 | 0.103 | 0.100 | 0.095 | 0.101 | 4.64 |
| 73) TP Chlorobenzene | | 0.737 | 0.898 | 0.914 | 0.895 | 0.892 | 0.894 | 0.880 | 0.873 | 6.97 |
| 74) TC Ethylbenzene | | 1.341 | 1.593 | 1.597 | 1.560 | 1.542 | 1.544 | 1.488 | 1.524 | 5.81 |
| 75) TP 1,1,1,2-Tetrac | | 0.252 | 0.303 | 0.327 | 0.334 | 0.335 | 0.336 | 0.324 | 0.316 | 9.59 |
| 76) TP p/m Xylene | | 0.492 | 0.624 | 0.640 | 0.624 | 0.625 | 0.635 | 0.617 | 0.608 | 8.51 |
| 77) TP o Xylene | | 0.477 | 0.566 | 0.595 | 0.580 | 0.580 | 0.589 | 0.578 | 0.566 | 7.13 |
| 78) TP Styrene | | 0.741 | 0.895 | 0.959 | 0.940 | 0.935 | 0.940 | 0.876 | 0.898 | 8.36 |
| 79) I 1,4-Dichlorobenzene-d4 | | -----ISTD----- | | | | | | | | |
| 80) TP Bromoform | | 0.264 | 0.282 | 0.321 | 0.353 | 0.355 | 0.364 | 0.361 | 0.329 | 12.44 |
| 82) TP Isopropylbenzene | | 2.332 | 2.889 | 2.877 | 2.862 | 2.846 | 2.916 | 2.827 | 2.793 | 7.34 |
| 83) S 4-Bromofluorobenzene | 0.859 | 0.852 | 0.846 | 0.813 | 0.810 | 0.816 | 0.838 | 0.830 | 0.833 | 2.25 |
| 84) TP Bromobenzene | | 0.587 | 0.668 | 0.680 | 0.701 | 0.695 | 0.715 | 0.709 | 0.679 | 6.45 |



Initial Calibration Summary

Form 6

Volatiles

| | |
|---|---------------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Instrument ID : VOA105 | Ical Ref : ICAL19461 |
| Calibration dates : 11/07/22 17:43 11/07/22 21:13 | |

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
| 85) TP n-Propylbenzene | 2.729 | 3.372 | 3.309 | 3.296 | 3.282 | 3.348 | 3.157 | 3.213 | | 6.98 |
| 86) TP 1,4-Dichlorobu | 0.687 | 0.682 | 0.657 | 0.641 | 0.631 | 0.648 | 0.650 | 0.657 | | 3.14 |
| 87) TP 1,1,2,2-Tetrac | 0.440 | 0.455 | 0.432 | 0.433 | 0.437 | 0.450 | 0.437 | 0.440 | | 1.97 |
| 88) TP 4-Ethyltoluene | 2.229 | 2.773 | 2.763 | 2.726 | 2.725 | 2.807 | 2.703 | 2.675 | | 7.47 |
| 89) TP 2-Chlorotoluene | 1.633 | 1.918 | 1.825 | 1.853 | 1.842 | 1.897 | 1.888 | 1.836 | | 5.21 |
| 90) TP 1,3,5-Trimethy | 2.095 | 2.436 | 2.390 | 2.367 | 2.329 | 2.384 | 2.320 | 2.332 | | 4.77 |
| 91) TP 1,2,3-Trichlor | 0.378 | 0.374 | 0.360 | 0.347 | 0.346 | 0.354 | 0.368 | 0.361 | | 3.50 |
| 92) TP trans-1,4-Dich | 0.139 | 0.141 | 0.142 | 0.139 | 0.128 | 0.131 | 0.133 | 0.136 | | 4.02 |
| 93) TP 4-Chlorotoluene | 1.790 | 2.061 | 1.933 | 1.906 | 1.911 | 1.972 | 1.942 | 1.931 | | 4.21 |
| 94) TP tert-Butylbenzene | 1.743 | 2.114 | 2.107 | 2.116 | 2.103 | 2.161 | 2.113 | 2.065 | | 6.95 |
| 97) TP 1,2,4-Trimethy | 2.017 | 2.346 | 2.315 | 2.313 | 2.294 | 2.333 | 2.251 | 2.267 | | 5.04 |
| 98) TP sec-Butylbenzene | 2.468 | 3.065 | 3.029 | 2.993 | 2.983 | 3.017 | 2.862 | 2.917 | | 7.12 |
| 99) TP p-Isopropyltol | 2.118 | 2.628 | 2.662 | 2.648 | 2.614 | 2.647 | 2.517 | 2.548 | | 7.67 |
| 100) TP 1,3-Dichlorobe | 1.132 | 1.283 | 1.333 | 1.341 | 1.333 | 1.338 | 1.311 | 1.296 | | 5.80 |
| 101) TP 1,4-Dichlorobe | 1.230 | 1.321 | 1.341 | 1.336 | 1.319 | 1.328 | 1.295 | 1.310 | | 2.91 |
| 102) TP p-Diethylbenzene | 1.186 | 1.511 | 1.523 | 1.539 | 1.544 | 1.562 | 1.556 | 1.489 | | 9.03 |
| 103) TP n-Butylbenzene | 1.790 | 2.094 | 2.108 | 2.115 | 2.126 | 2.161 | 2.092 | 2.069 | | 6.07 |
| 104) TP 1,2-Dichlorobe | 1.065 | 1.155 | 1.189 | 1.195 | 1.180 | 1.181 | 1.150 | 1.160 | | 3.86 |
| 105) TP 1,2,4,5-Tetram | 1.762 | 2.088 | 2.155 | 2.194 | 2.184 | 2.176 | 2.084 | 2.092 | | 7.28 |
| 106) TP 1,2-Dibromo-3- | 0.052 | 0.066 | 0.071 | 0.076 | 0.076 | 0.075 | 0.073 | 0.070 | | 12.47 |
| 107) TP 1,3,5-Trichlor | 0.667 | 0.820 | 0.850 | 0.884 | 0.869 | 0.865 | 0.835 | 0.827 | | 8.94 |
| 108) TP Hexachlorobuta | 0.220 | 0.292 | 0.305 | 0.319 | 0.329 | 0.334 | 0.328 | 0.304 | | 13.16 |
| 109) TP 1,2,4-Trichlor | 0.563 | 0.624 | 0.667 | 0.698 | 0.694 | 0.700 | 0.665 | 0.659 | | 7.55 |
| 110) TP Naphthalene | 1.181 | 1.253 | 1.241 | 1.278 | 1.266 | 1.261 | 1.201 | 1.240 | | 2.89 |
| 111) TP 1,2,3-Trichlor | 0.462 | 0.511 | 0.526 | 0.554 | 0.545 | 0.544 | 0.520 | 0.523 | | 5.89 |



Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Method File : V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----ISTD----- | | | | | | | | | | |
| 1) I Fluorobenzene | | | | | | | | | | |
| 2) TP Dichlorodifluo... | 0.206 | 0.260 | 0.255 | 0.245 | 0.234 | 0.236 | 0.233 | 0.239 | | 7.37 |
| 3) TP Chloromethane | 0.281 | 0.325 | 0.309 | 0.297 | 0.279 | 0.279 | 0.273 | 0.292 | | 6.66 |
| 4) TC Vinyl chloride | 0.298 | 0.258 | 0.353 | 0.345 | 0.335 | 0.324 | 0.326 | 0.323 | 0.320 | 9.39 |
| 5) TP Bromomethane | 0.190 | 0.227 | 0.198 | 0.200 | 0.199 | 0.206 | 0.206 | 0.204 | | 5.73 |
| 6) TP Chloroethane | 0.224 | 0.255 | 0.240 | 0.228 | 0.213 | 0.209 | 0.198 | 0.224 | | 8.62 |
| 7) TP Trichlorofluor... | 0.383 | 0.514 | 0.513 | 0.497 | 0.471 | 0.467 | 0.459 | 0.472 | | 9.50 |
| 8) TP Ethyl ether | 0.115 | 0.117 | 0.113 | 0.109 | 0.104 | 0.102 | 0.099 | 0.108 | | 6.33 |
| 10) TC 1,1-Dichloroet... | 0.204 | 0.243 | 0.223 | 0.217 | 0.218 | 0.228 | 0.230 | 0.223 | | 5.38 |
| 11) TP Carbon disulfide | 0.354 | 0.437 | 0.413 | 0.404 | 0.416 | 0.429 | 0.432 | 0.412 | | 6.80 |
| 12) TP Freon-113 | 0.184 | 0.257 | 0.257 | 0.253 | 0.250 | 0.259 | 0.260 | 0.246 | | 11.23 |
| 13) TP Iodomethane | 0.267 | 0.334 | 0.339 | 0.343 | 0.354 | 0.366 | 0.359 | 0.337 | | 9.81 |
| 14) TP Acrolein | | 0.037 | 0.029 | 0.029 | 0.029 | 0.029 | 0.028 | 0.030 | | 11.69 |
| 15) TP Methylene chlo... | 0.246 | 0.250 | 0.239 | 0.236 | 0.236 | 0.238 | 0.237 | 0.240 | | 2.25 |
| 17) TP Acetone | | 0.036 | 0.032 | 0.034 | 0.035 | 0.034 | 0.034 | 0.034 | | 3.78 |
| 18) TP trans-1,2-Dich... | 0.236 | 0.269 | 0.250 | 0.249 | 0.249 | 0.253 | 0.251 | 0.251 | | 3.76 |
| 19) TP Methyl acetate | | 0.074 | 0.083 | 0.091 | 0.089 | 0.085 | 0.085 | 0.084 | | 7.00 |
| 20) TP Methyl tert-bu... | 0.422 | 0.456 | 0.456 | 0.466 | 0.462 | 0.465 | 0.460 | 0.455 | | 3.35 |
| 21) TP tert-Butyl alc... | 0.012 | 0.012 | 0.011 | 0.012 | 0.011 | 0.011 | 0.011 | 0.011 | | 5.38 |
| 22) TP Diisopropyl ether | 0.695 | 0.745 | 0.745 | 0.747 | 0.718 | 0.718 | 0.715 | 0.726 | | 2.74 |
| 23) TP 1,1-Dichloroet... | 0.454 | 0.533 | 0.510 | 0.507 | 0.489 | 0.490 | 0.484 | 0.495 | | 5.01 |
| 24) TP Halothane | 0.144 | 0.211 | 0.201 | 0.204 | 0.205 | 0.210 | 0.209 | 0.198 | | 12.15 |
| 25) TP Acrylonitrile | 0.046 | 0.050 | 0.049 | 0.052 | 0.050 | 0.049 | 0.049 | 0.049 | | 3.58 |
| 26) TP Ethyl tert-but... | 0.648 | 0.716 | 0.736 | 0.745 | 0.731 | 0.731 | 0.723 | 0.719 | | 4.49 |
| 27) TP Vinyl acetate | | 0.264 | 0.354 | 0.371 | 0.392 | 0.411 | 0.350 | 0.357 | | 14.38 |
| 28) TP cis-1,2-Dichlo... | 0.275 | 0.294 | 0.285 | 0.284 | 0.277 | 0.279 | 0.276 | 0.281 | | 2.38 |
| 29) TP 2,2-Dichloropr... | 0.356 | 0.446 | 0.425 | 0.415 | 0.401 | 0.404 | 0.398 | 0.406 | | 6.82 |
| 30) TP Bromochloromet... | 0.094 | 0.129 | 0.131 | 0.130 | 0.130 | 0.129 | 0.126 | 0.124 | | 10.82 |
| 31) TP Cyclohexane | 0.458 | 0.557 | 0.553 | 0.540 | 0.517 | 0.522 | 0.531 | 0.525 | | 6.30 |
| 32) TC Chloroform | 0.407 | 0.472 | 0.452 | 0.447 | 0.435 | 0.439 | 0.435 | 0.441 | | 4.52 |
| 33) TP Ethyl acetate | | 0.122 | 0.133 | 0.139 | 0.139 | 0.137 | 0.137 | 0.134 | | 4.90 |

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Method File : V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|--------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 34) TP Carbon tetrach... | 0.351 | 0.319 | 0.401 | 0.411 | 0.421 | 0.417 | 0.413 | 0.424 | 0.395 | 9.71 |
| 35) TP Tetrahydrofuran | | 0.063 | 0.040 | 0.037 | 0.034 | 0.036 | 0.036 | *L | | 0.9995 |
| 36) S Dibromofluorom... | 0.286 | 0.283 | 0.286 | 0.276 | 0.278 | 0.274 | 0.273 | 0.274 | 0.279 | 1.97 |
| 37) TP 1,1,1-Trichlor... | | 0.371 | 0.445 | 0.427 | 0.422 | 0.411 | 0.415 | 0.412 | 0.415 | 5.47 |
| 39) TP 2-Butanone | | 0.042 | 0.053 | 0.057 | 0.056 | 0.056 | 0.055 | 0.053 | | 10.46 |
| 40) TP 1,1-Dichloropr... | | 0.273 | 0.356 | 0.352 | 0.353 | 0.349 | 0.352 | 0.352 | 0.341 | 8.84 |
| 41) TP Benzene | 0.829 | 0.818 | 0.984 | 0.991 | 1.003 | 0.982 | 0.992 | 0.982 | 0.948 | 8.11 |
| 42) TP tert-Amyl meth... | | 0.519 | 0.557 | 0.561 | 0.574 | 0.572 | 0.577 | 0.571 | 0.561 | 3.55 |
| 43) S 1,2-Dichloroet... | 0.318 | 0.316 | 0.320 | 0.326 | 0.298 | 0.301 | 0.295 | 0.301 | 0.309 | 3.82 |
| 44) TP 1,2-Dichloroet... | | 0.322 | 0.356 | 0.347 | 0.339 | 0.326 | 0.324 | 0.318 | 0.333 | 4.27 |
| 47) TP Methyl cyclohe... | | 0.364 | 0.478 | 0.484 | 0.490 | 0.482 | 0.487 | 0.489 | 0.468 | 9.79 |
| 48) TP Trichloroethene | 0.348 | 0.280 | 0.303 | 0.281 | 0.285 | 0.275 | 0.277 | 0.288 | 0.292 | 8.36 |
| 50) TP Dibromomethane | | 0.129 | 0.143 | 0.144 | 0.143 | 0.141 | 0.140 | 0.140 | 0.140 | 3.55 |
| 51) TC 1,2-Dichloropr... | | 0.230 | 0.288 | 0.285 | 0.282 | 0.275 | 0.276 | 0.276 | 0.273 | 7.24 |
| 53) TP 2-Chloroethyl ... | | 0.102 | 0.117 | 0.129 | 0.132 | 0.128 | 0.128 | 0.126 | 0.123 | 8.40 |
| 54) TP Bromodichlorom... | | 0.319 | 0.354 | 0.342 | 0.342 | 0.334 | 0.340 | 0.338 | 0.338 | 3.04 |
| 57) TP 1,4-Dioxane | | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001# | 8.36 |
| 58) TP cis-1,3-Dichlo... | | 0.337 | 0.394 | 0.403 | 0.410 | 0.405 | 0.410 | 0.405 | 0.395 | 6.61 |
| 59) I Chlorobenzene-d5 | -----ISTD----- | | | | | | | | | |
| 60) S Toluene-d8 | 1.224 | 1.219 | 1.239 | 1.230 | 1.210 | 1.207 | 1.214 | 1.214 | 1.220 | 0.89 |
| 61) TC Toluene | | 0.657 | 0.779 | 0.793 | 0.782 | 0.782 | 0.784 | 0.778 | 0.765 | 6.26 |
| 62) TP 4-Methyl-2-pen... | | 0.076 | 0.072 | 0.070 | 0.071 | 0.069 | 0.067 | 0.067 | 0.070 | 4.37 |
| 63) TP Tetrachloroethene | | 0.261 | 0.377 | 0.381 | 0.393 | 0.395 | 0.401 | 0.396 | 0.372 | 13.30 |
| 65) TP trans-1,3-Dich... | | 0.337 | 0.403 | 0.422 | 0.425 | 0.424 | 0.427 | 0.417 | 0.408 | 7.91 |
| 67) TP Ethyl methacry... | | 0.253 | 0.270 | 0.271 | 0.270 | 0.269 | 0.267 | 0.259 | 0.265 | 2.63 |
| 68) TP 1,1,2-Trichlor... | | 0.181 | 0.196 | 0.192 | 0.186 | 0.186 | 0.185 | 0.184 | 0.187# | 2.83 |
| 69) TP Chlorodibromom... | | 0.249 | 0.284 | 0.307 | 0.313 | 0.320 | 0.322 | 0.317 | 0.302 | 8.79 |
| 70) TP 1,3-Dichloropr... | | 0.333 | 0.374 | 0.400 | 0.394 | 0.392 | 0.392 | 0.384 | 0.381 | 6.02 |
| 71) TP 1,2-Dibromoethane | | 0.147 | 0.152 | 0.151 | 0.145 | 0.143 | 0.140 | 0.131 | 0.144# | 4.97 |
| 72) TP 2-Hexanone | | 0.094 | 0.101 | 0.105 | 0.106 | 0.103 | 0.100 | 0.095 | 0.101 | 4.64 |
| 73) TP Chlorobenzene | | 0.737 | 0.898 | 0.914 | 0.895 | 0.892 | 0.894 | 0.880 | 0.873 | 6.97 |

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Method File : V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 74) TC Ethylbenzene | 1.341 | 1.593 | 1.597 | 1.560 | 1.542 | 1.544 | 1.488 | 1.524 | 5.81 | |
| 75) TP 1,1,1,2-Tetrac... | 0.252 | 0.303 | 0.327 | 0.334 | 0.335 | 0.336 | 0.324 | 0.316 | 9.59 | |
| 76) TP p/m Xylene | 0.492 | 0.624 | 0.640 | 0.624 | 0.625 | 0.635 | 0.617 | 0.608 | 8.51 | |
| 77) TP o Xylene | 0.477 | 0.566 | 0.595 | 0.580 | 0.580 | 0.589 | 0.578 | 0.566 | 7.13 | |
| 78) TP Styrene | 0.741 | 0.895 | 0.959 | 0.940 | 0.935 | 0.940 | 0.876 | 0.898 | 8.36 | |
| 79) I 1,4-Dichlorobenzene-d4 | -----ISTD----- | | | | | | | | | |
| 80) TP Bromoform | 0.264 | 0.282 | 0.321 | 0.353 | 0.355 | 0.364 | 0.361 | 0.329 | 12.44 | |
| 82) TP Isopropylbenzene | 2.332 | 2.889 | 2.877 | 2.862 | 2.846 | 2.916 | 2.827 | 2.793 | 7.34 | |
| 83) S 4-Bromofluorob... | 0.859 | 0.852 | 0.846 | 0.813 | 0.810 | 0.816 | 0.838 | 0.830 | 2.25 | |
| 84) TP Bromobenzene | 0.587 | 0.668 | 0.680 | 0.701 | 0.695 | 0.715 | 0.709 | 0.679 | 6.45 | |
| 85) TP n-Propylbenzene | 2.729 | 3.372 | 3.309 | 3.296 | 3.282 | 3.348 | 3.157 | 3.213 | 6.98 | |
| 86) TP 1,4-Dichlorobu... | 0.687 | 0.682 | 0.657 | 0.641 | 0.631 | 0.648 | 0.650 | 0.657 | 3.14 | |
| 87) TP 1,1,2,2-Tetrac... | 0.440 | 0.455 | 0.432 | 0.433 | 0.437 | 0.450 | 0.437 | 0.440 | 1.97 | |
| 88) TP 4-Ethyltoluene | 2.229 | 2.773 | 2.763 | 2.726 | 2.725 | 2.807 | 2.703 | 2.675 | 7.47 | |
| 89) TP 2-Chlorotoluene | 1.633 | 1.918 | 1.825 | 1.853 | 1.842 | 1.897 | 1.888 | 1.836 | 5.21 | |
| 90) TP 1,3,5-Trimethy... | 2.095 | 2.436 | 2.390 | 2.367 | 2.329 | 2.384 | 2.320 | 2.332 | 4.77 | |
| 91) TP 1,2,3-Trichlor... | 0.378 | 0.374 | 0.360 | 0.347 | 0.346 | 0.354 | 0.368 | 0.361 | 3.50 | |
| 92) TP trans-1,4-Dich... | 0.139 | 0.141 | 0.142 | 0.139 | 0.128 | 0.131 | 0.133 | 0.136 | 4.02 | |
| 93) TP 4-Chlorotoluene | 1.790 | 2.061 | 1.933 | 1.906 | 1.911 | 1.972 | 1.942 | 1.931 | 4.21 | |
| 94) TP tert-Butylbenzene | 1.743 | 2.114 | 2.107 | 2.116 | 2.103 | 2.161 | 2.113 | 2.065 | 6.95 | |
| 97) TP 1,2,4-Trimethy... | 2.017 | 2.346 | 2.315 | 2.313 | 2.294 | 2.333 | 2.251 | 2.267 | 5.04 | |
| 98) TP sec-Butylbenzene | 2.468 | 3.065 | 3.029 | 2.993 | 2.983 | 3.017 | 2.862 | 2.917 | 7.12 | |
| 99) TP p-Isopropyltol... | 2.118 | 2.628 | 2.662 | 2.648 | 2.614 | 2.647 | 2.517 | 2.548 | 7.67 | |
| 100) TP 1,3-Dichlorobe... | 1.132 | 1.283 | 1.333 | 1.341 | 1.333 | 1.338 | 1.311 | 1.296 | 5.80 | |
| 101) TP 1,4-Dichlorobe... | 1.230 | 1.321 | 1.341 | 1.336 | 1.319 | 1.328 | 1.295 | 1.310 | 2.91 | |
| 102) TP p-Diethylbenzene | 1.186 | 1.511 | 1.523 | 1.539 | 1.544 | 1.562 | 1.556 | 1.489 | 9.03 | |
| 103) TP n-Butylbenzene | 1.790 | 2.094 | 2.108 | 2.115 | 2.126 | 2.161 | 2.092 | 2.069 | 6.07 | |
| 104) TP 1,2-Dichlorobe... | 1.065 | 1.155 | 1.189 | 1.195 | 1.180 | 1.181 | 1.150 | 1.160 | 3.86 | |
| 105) TP 1,2,4,5-Tetram... | 1.762 | 2.088 | 2.155 | 2.194 | 2.184 | 2.176 | 2.084 | 2.092 | 7.28 | |
| 106) TP 1,2-Dibromo-3-... | 0.052 | 0.066 | 0.071 | 0.076 | 0.076 | 0.075 | 0.073 | 0.070 | 12.47 | |
| 107) TP 1,3,5-Trichlor... | 0.667 | 0.820 | 0.850 | 0.884 | 0.869 | 0.865 | 0.835 | 0.827 | 8.94 | |

Response Factor Report VOA 105

Method Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Method File : V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022
 Response Via : Initial Calibration

Calibration Files

L11 =V05221107N04.d L1 =V05221107N06.d L2 =V05221107N08.d L3 =V05221107N09.d L4 =V05221107N10.d
 L6 =V05221107N11.d L8 =V05221107N12.d L10 =V05221107N13.d

| Compound | L11 | L1 | L2 | L3 | L4 | L6 | L8 | L10 | Avg | %RSD |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 108) TP Hexachlorobuta... | 0.220 | 0.292 | 0.305 | 0.319 | 0.329 | 0.334 | 0.328 | 0.304 | 13.16 | |
| 109) TP 1,2,4-Trichlor... | 0.563 | 0.624 | 0.667 | 0.698 | 0.694 | 0.700 | 0.665 | 0.659 | 7.55 | |
| 110) TP Naphthalene | 1.181 | 1.253 | 1.241 | 1.278 | 1.266 | 1.261 | 1.201 | 1.240 | 2.89 | |
| 111) TP 1,2,3-Trichlor... | 0.462 | 0.511 | 0.526 | 0.554 | 0.545 | 0.544 | 0.520 | 0.523 | 5.89 | |

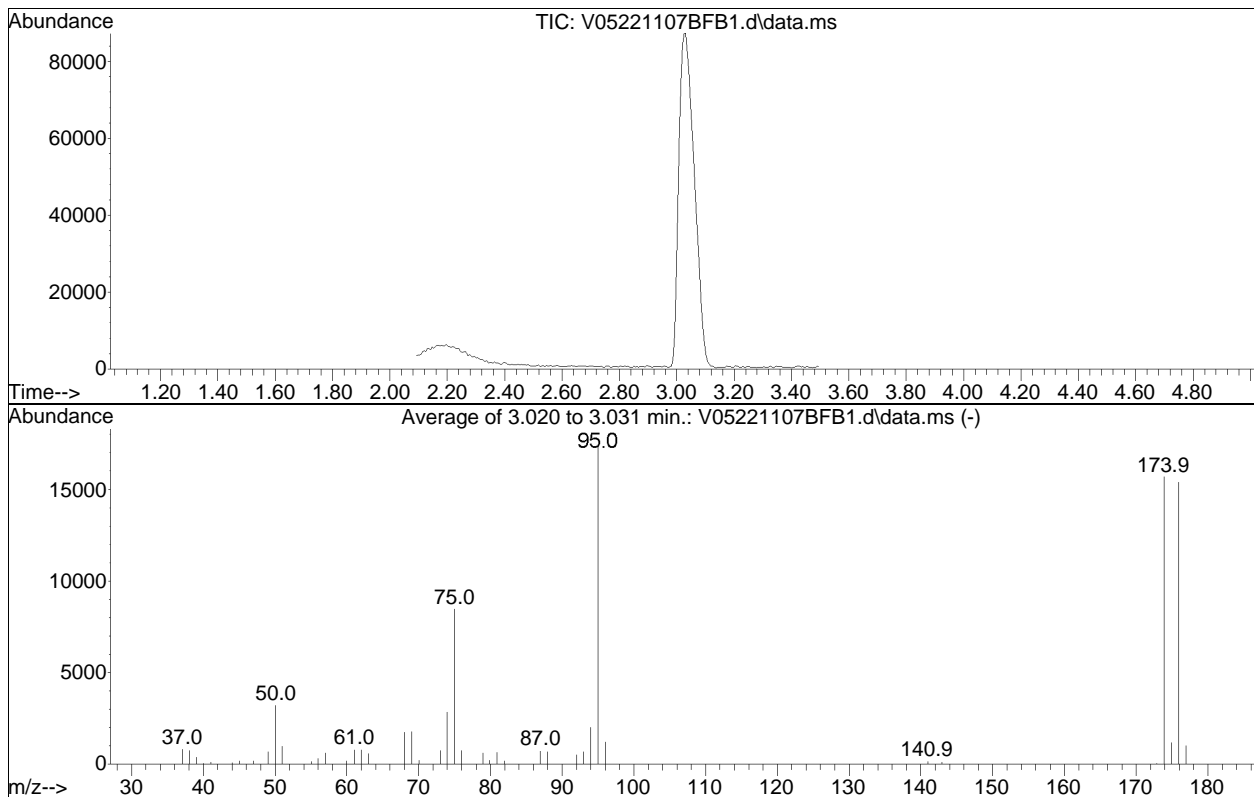
(#) = Out of Range

BFB

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107BFB1.d
 Acq On : 7 Nov 2022 4:13 pm
 Operator : VOA105:KJD
 Sample : WG1709321-1
 Misc : WG1709321
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022



AutoFind: Scans 171, 172, 173; Background Corrected with Scan 161

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 18.4 | 3207 | PASS |
| 75 | 95 | 30 | 60 | 48.6 | 8476 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 17443 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 1216 | PASS |
| 173 | 174 | 0.00 | 2 | 0.3 | 51 | PASS |
| 174 | 95 | 50 | 100 | 90.0 | 15690 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 1157 | PASS |
| 176 | 174 | 95 | 101 | 98.2 | 15404 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 989 | PASS |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N04.d
 Acq On : 7 Nov 2022 5:43 pm
 Operator : VOA105:PID
 Sample : I8260STD.19PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 06:55:01 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:53:56 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-L11 - Level 11 for 8260-LRR product

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|-----------------------------|----------------|------|------------|---------|--------|----------|----|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 495619 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = | 96.27% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 418178 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = | 99.10% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 225493 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = | 91.07% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 141586 | 10.246 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.46% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 157655 | 10.300 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.00% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 511766 | 10.038 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.38% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 193625 | 10.293 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.93% | | | |
| Target Compounds | | | | | | | |
| 4) Vinyl chloride | 1.811 | 62 | 2810 | 0.177 | ug/L | | 86 |
| 34) Carbon tetrachloride | 4.970 | 117 | 3305M6 | 0.169 | ug/L | | |
| 41) Benzene | 5.410 | 78 | 7809 | 0.165 | ug/L # | | 91 |
| 48) Trichloroethene | 5.987 | 95 | 3281M6 | 0.217 | ug/L | | |
| ----- | | | | | | | |

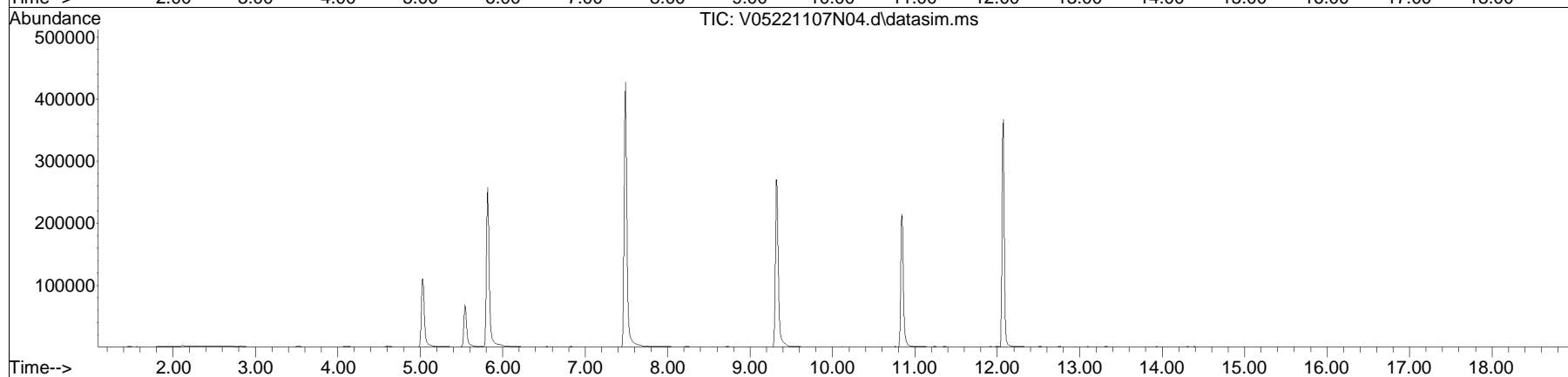
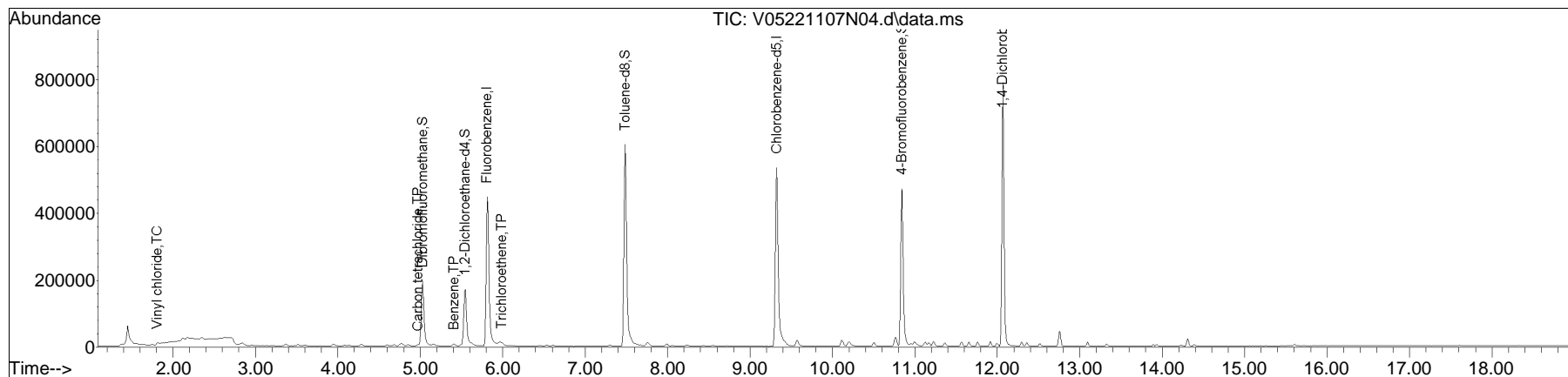
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
Data File : V05221107N04.d
Acq On : 7 Nov 2022 5:43 pm
Operator : VOA105:PID
Sample : I8260STD.19PPB
Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 06:55:01 2022
Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:53:56 2022
Response via : Initial Calibration

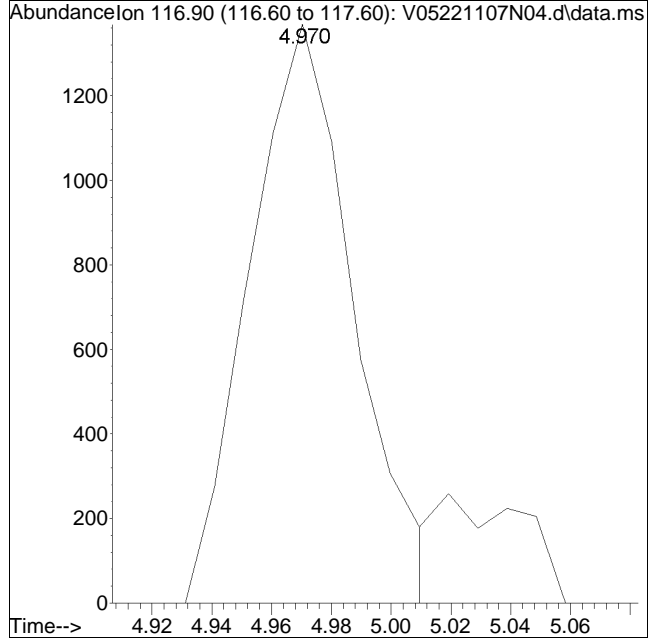
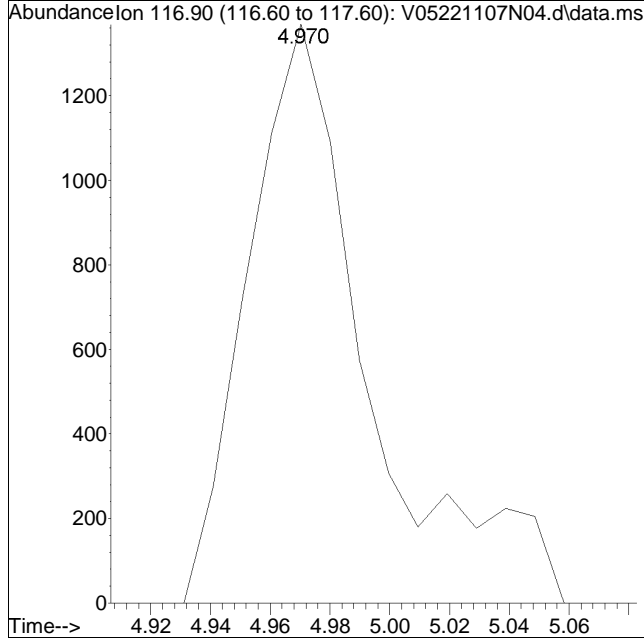
Sub List : 8260-L11 - Level 11 for 8260-LRR product\V05221107N09.d•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N04.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 5:43 pm Instrument : VOA 105
Sample : I8260STD.19PPB Quant Date : 11/8/2022 6:54 am

Compound #34: Carbon tetrachloride



Original Peak Response = 3813

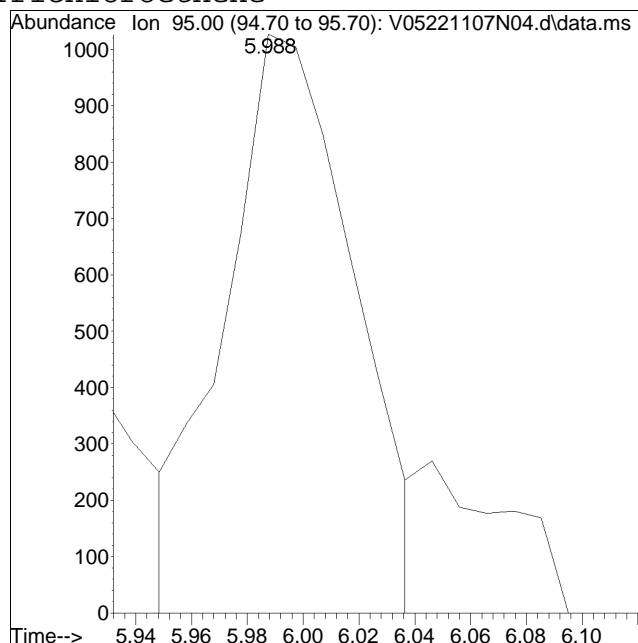
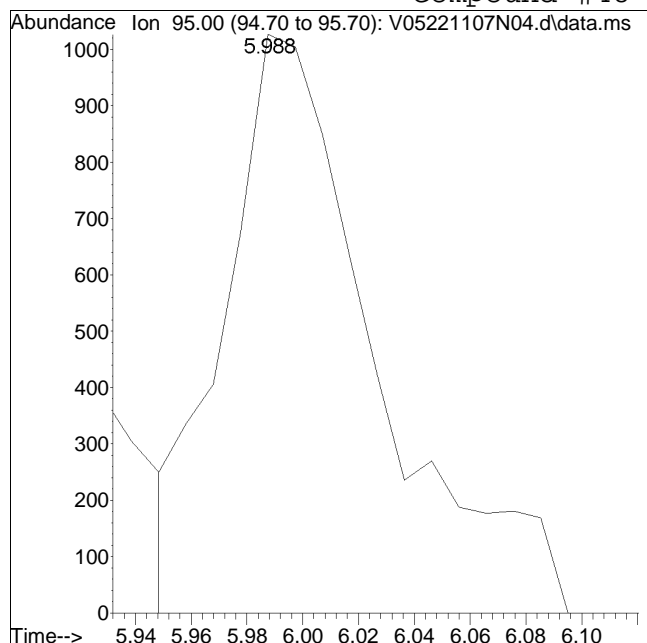
Manual Peak Response = 3305 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N04.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 5:43 pm Instrument : VOA 105
Sample : I8260STD.19PPB Quant Date : 11/8/2022 6:54 am

Compound #48: Trichloroethene



Original Peak Response = 3859

Manual Peak Response = 3281 M6

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N06.d
 Acq On : 7 Nov 2022 6:29 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 06:45:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:38:35 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 485309 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = | 94.27% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 408568 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = | 96.82% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 221225 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = | 89.35% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 137547 | 10.100 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.00% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 153228 | 9.864 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.64% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 498142 | 9.951 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.51% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 188546 | 10.133 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.33% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.567 | 85 | 5009 | 0.404 | ug/L | | 94 |
| 3) Chloromethane | 1.743 | 50 | 6814 | 0.454 | ug/L | | 96 |
| 4) Vinyl chloride | 1.811 | 62 | 6257 | 0.399 | ug/L | | 92 |
| 5) Bromomethane | 2.114 | 94 | 4599 | 0.478 | ug/L | | 88 |
| 6) Chloroethane | 2.222 | 64 | 5436 | 0.467 | ug/L | | 72 |
| 7) Trichlorofluoromethane | 2.359 | 101 | 9302 | 0.374 | ug/L | | 95 |
| 8) Ethyl ether | 2.633 | 74 | 2797 | 0.510 | ug/L # | | 55 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 4957 | 0.458 | ug/L | | 96 |
| 11) Carbon disulfide | 2.848 | 76 | 8592 | 0.428 | ug/L | | 95 |
| 12) Freon-113 | 2.858 | 101 | 4456 | 0.358 | ug/L | | 80 |
| 13) Iodomethane | 2.955 | 142 | 6476 | 0.393 | ug/L | | 88 |
| 14) Acrolein | 0.000 | | 0 | N.D. | d | | |
| 15) Methylene chloride | 3.366 | 84 | 5971 | 0.515 | ug/L # | | 74 |
| 17) Acetone | 0.000 | | 0 | N.D. | d | | |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 5735 | 0.473 | ug/L | | 95 |
| 19) Methyl acetate | 0.000 | | 0 | N.D. | d | | |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 10237 | 0.462 | ug/L # | | 67 |
| 21) tert-Butyl alcohol | 3.709 | 59 | 1461 | 2.646 | ug/L # | | 73 |
| 22) Diisopropyl ether | 3.953 | 45 | 16854 | 0.466 | ug/L | | 92 |
| 23) 1,1-Dichloroethane | 4.090 | 63 | 11010 | 0.445 | ug/L | | 97 |
| 24) Halothane | 4.129 | 117 | 3494 | 0.358 | ug/L | | 96 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N06.d
 Acq On : 7 Nov 2022 6:29 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 06:45:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:38:35 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Acrylonitrile | 4.178 | 53 | 1113 | 0.468 | ug/L # | 61 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 15733 | 0.441 | ug/L # | 69 |
| 27) Vinyl acetate | 0.000 | | 0 | N.D. | d | |
| 28) cis-1,2-Dichloroethene | 4.599 | 96 | 6666 | 0.483 | ug/L | 95 |
| 29) 2,2-Dichloropropane | 4.687 | 77 | 8647 | 0.419 | ug/L | 91 |
| 30) Bromochloromethane | 4.784 | 128 | 2276 | 0.359 | ug/L # | 58 |
| 31) Cyclohexane | 4.765 | 56 | 11119 | 0.414 | ug/L | 69 |
| 32) Chloroform | 4.853 | 83 | 9871 | 0.450 | ug/L # | 92 |
| 33) Ethyl acetate | 0.000 | | 0 | N.D. | d | |
| 34) Carbon tetrachloride | 4.970 | 117 | 7749 | 0.422 | ug/L | 96 |
| 35) Tetrahydrofuran | 5.009 | 42 | 948M3 | 0.492 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.029 | 97 | 8991 | 0.434 | ug/L | 89 |
| 39) 2-Butanone | 0.000 | | 0 | N.D. | d | |
| 40) 1,1-Dichloropropene | 5.166 | 75 | 6619 | 0.387 | ug/L | 97 |
| 41) Benzene | 5.401 | 78 | 19855 | 0.433 | ug/L # | 91 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 12598 | 0.463 | ug/L | 96 |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 7818 | 0.464 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.958 | 83 | 8843 | 0.376 | ug/L # | 78 |
| 48) Trichloroethene | 5.997 | 95 | 6785 | 0.379 | ug/L | 90 |
| 50) Dibromomethane | 6.447 | 93 | 3137 | 0.449 | ug/L # | 74 |
| 51) 1,2-Dichloropropane | 6.535 | 63 | 5573 | 0.402 | ug/L # | 88 |
| 53) 2-Chloroethyl vinyl ether | 7.259 | 63 | 2481 | 0.398 | ug/L # | 92 |
| 54) Bromodichloromethane | 6.613 | 83 | 7748 | 0.467 | ug/L # | 98 |
| 57) 1,4-Dioxane | 6.819 | 88 | 4697 | 83.642 | ug/L # | 62 |
| 58) cis-1,3-Dichloropropene | 7.308 | 75 | 8178 | 0.418 | ug/L # | 73 |
| 61) Toluene | 7.552 | 92 | 13418 | 0.414 | ug/L | 99 |
| 62) 4-Methyl-2-pentanone | 8.002 | 58 | 1552 | 0.546 | ug/L # | 66 |
| 63) Tetrachloroethene | 7.993 | 166 | 5339 | 0.343 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 8.051 | 75 | 6888 | 0.399 | ug/L # | 68 |
| 67) Ethyl methacrylate | 8.237 | 69 | 5163 | 0.467 | ug/L | 85 |
| 68) 1,1,2-Trichloroethane | 8.237 | 83 | 3688 | 0.470 | ug/L | 89 |
| 69) Chlorodibromomethane | 8.433 | 129 | 5089 | 0.406 | ug/L | 93 |
| 70) 1,3-Dichloropropane | 8.550 | 76 | 6798 | 0.416 | ug/L | 97 |
| 71) 1,2-Dibromoethane | 8.716 | 107 | 3009 | 0.489 | ug/L | 87 |
| 72) 2-Hexanone | 9.020 | 43 | 1919 | 0.447 | ug/L # | 58 |
| 73) Chlorobenzene | 9.343 | 112 | 15051 | 0.403 | ug/L # | 85 |
| 74) Ethylbenzene | 9.382 | 91 | 27389 | 0.420 | ug/L | 96 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 5155 | 0.385 | ug/L # | 68 |
| 76) p/m Xylene | 9.569 | 106 | 20104 | 0.769 | ug/L | 89 |
| 77) o Xylene | 10.107 | 106 | 19494 | 0.802 | ug/L | 86 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N06.d
 Acq On : 7 Nov 2022 6:29 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 06:45:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:38:35 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 10.186 | 104 | 30269 | 0.772 | ug/L | 92 |
| 80) Bromoform | 10.215 | 173 | 2920 | 0.411 | ug/L | 79 |
| 82) Isopropylbenzene | 10.499 | 105 | 25798 | 0.405 | ug/L | 94 |
| 84) Bromobenzene | 10.960 | 156 | 6492 | 0.432 | ug/L | 99 |
| 85) n-Propylbenzene | 10.999 | 91 | 30184 | 0.412 | ug/L | 95 |
| 86) 1,4-Dichlorobutane | 11.028 | 55 | 7597 | 0.523 | ug/L | 96 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 4863 | 0.509 | ug/L | 92 |
| 88) 4-Ethyltoluene | 11.126 | 105 | 24661 | 0.403 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 18060M6 | 0.447 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 23176 | 0.438 | ug/L | 96 |
| 91) 1,2,3-Trichloropropane | 11.244 | 75 | 4176 | 0.524 | ug/L | 95 |
| 92) trans-1,4-Dichloro-2-b... | 11.302 | 53 | 1539 | 0.491 | ug/L # | 74 |
| 93) 4-Chlorotoluene | 11.361 | 91 | 19801 | 0.463 | ug/L | 95 |
| 94) tert-Butylbenzene | 11.567 | 119 | 19279 | 0.414 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 11.655 | 105 | 22312 | 0.436 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.763 | 105 | 27302 | 0.407 | ug/L | 100 |
| 99) p-Isopropyltoluene | 11.920 | 119 | 23430 | 0.398 | ug/L | 96 |
| 100) 1,3-Dichlorobenzene | 11.998 | 146 | 12522 | 0.425 | ug/L | 95 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 13610M3 | 0.459 | ug/L | |
| 102) p-Diethylbenzene | 12.292 | 119 | 13124 | 0.389 | ug/L | 98 |
| 103) n-Butylbenzene | 12.351 | 91 | 19795 | 0.425 | ug/L | 94 |
| 104) 1,2-Dichlorobenzene | 12.517 | 146 | 11783 | 0.448 | ug/L | 95 |
| 105) 1,2,4,5-Tetramethylben... | 13.095 | 119 | 19486 | 0.409 | ug/L | 95 |
| 106) 1,2-Dibromo-3-chloropr... | 13.301 | 155 | 574 | 0.366 | ug/L | 96 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 7375 | 0.392 | ug/L | 98 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 2429 | 0.360 | ug/L | 97 |
| 109) 1,2,4-Trichlorobenzene | 13.928 | 180 | 6232 | 0.423 | ug/L | 97 |
| 110) Naphthalene | 14.222 | 128 | 13061 | 0.476 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.388 | 180 | 5114 | 0.439 | ug/L | 98 |

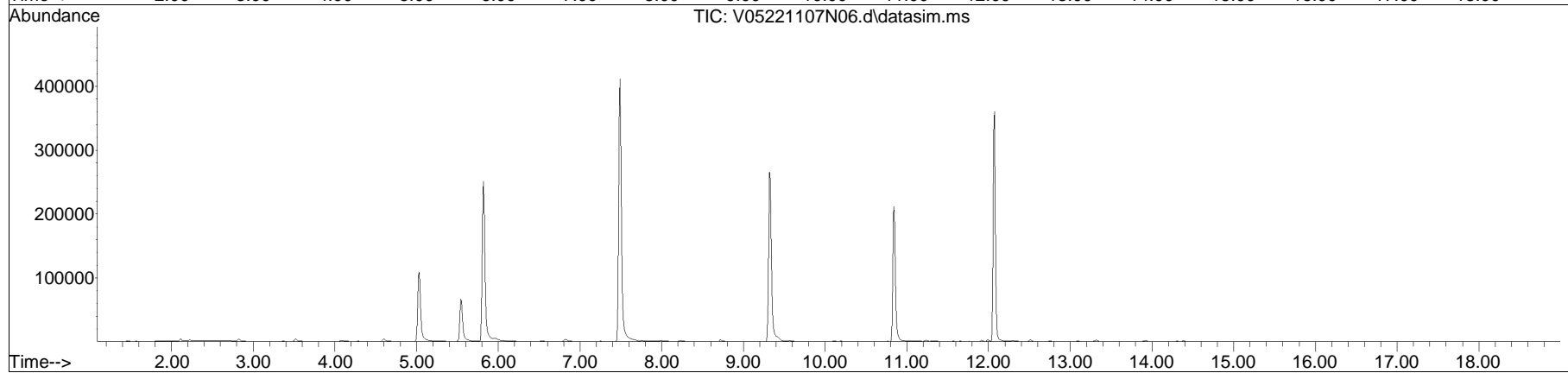
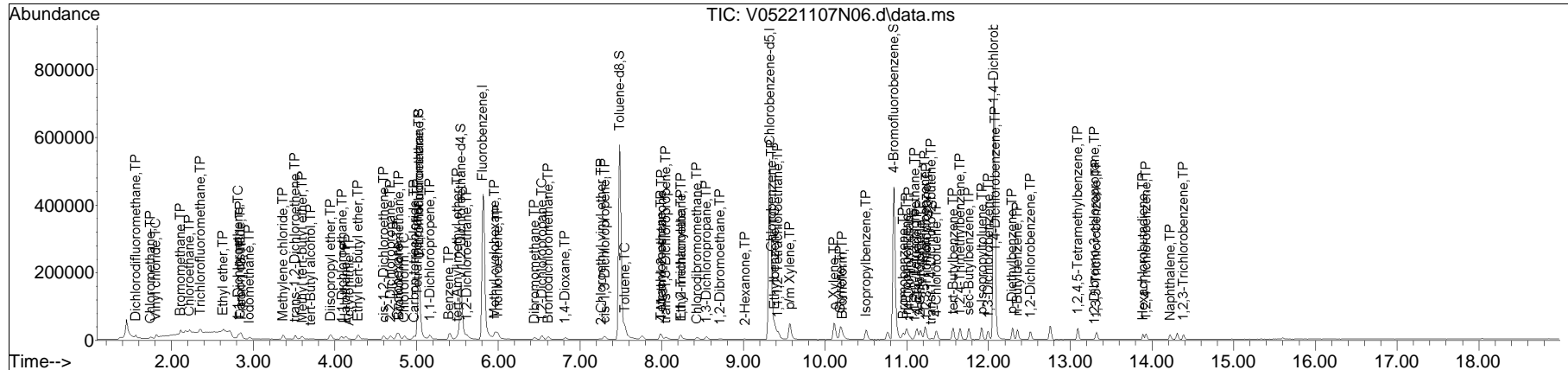
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N06.d
 Acq On : 7 Nov 2022 6:29 pm
 Operator : VOA105:PID
 Sample : I8260STD0.5PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 08 06:45:30 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:38:35 2022
 Response via : Initial Calibration

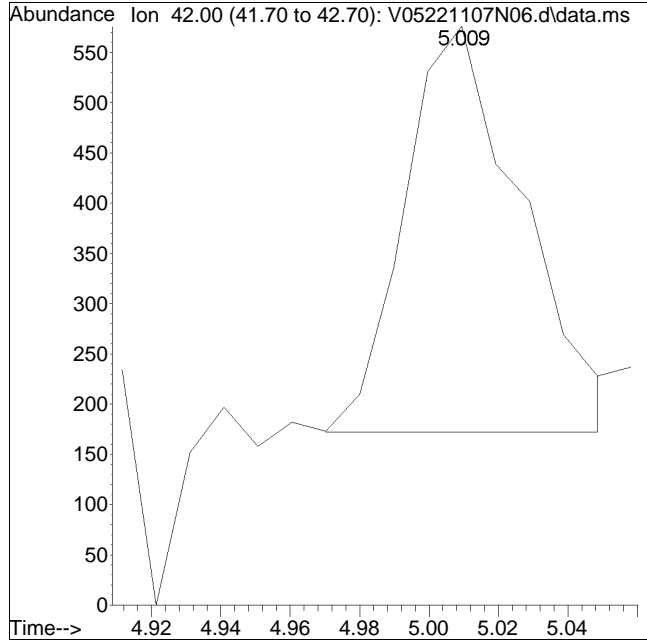
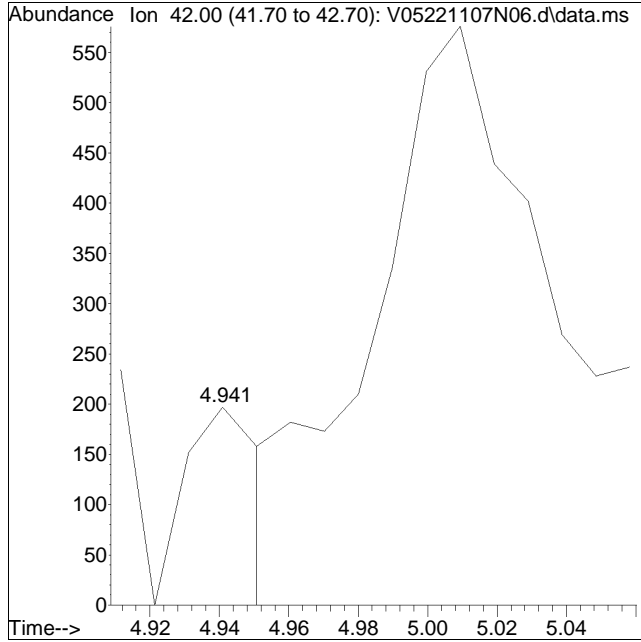
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N06.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 6:29 pm Instrument : VOA 105
Sample : I8260STD0.5PPB Quant Date : 11/8/2022 6:41 am

Compound #35: Tetrahydrofuran



Original Peak Response = 297

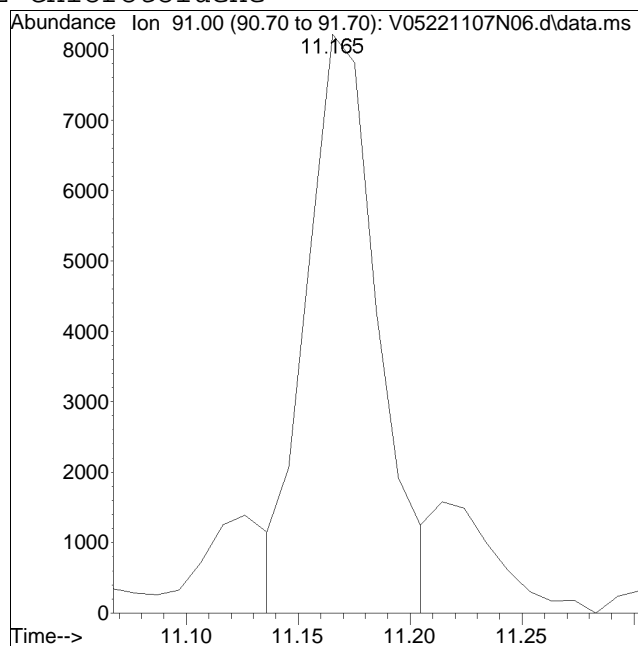
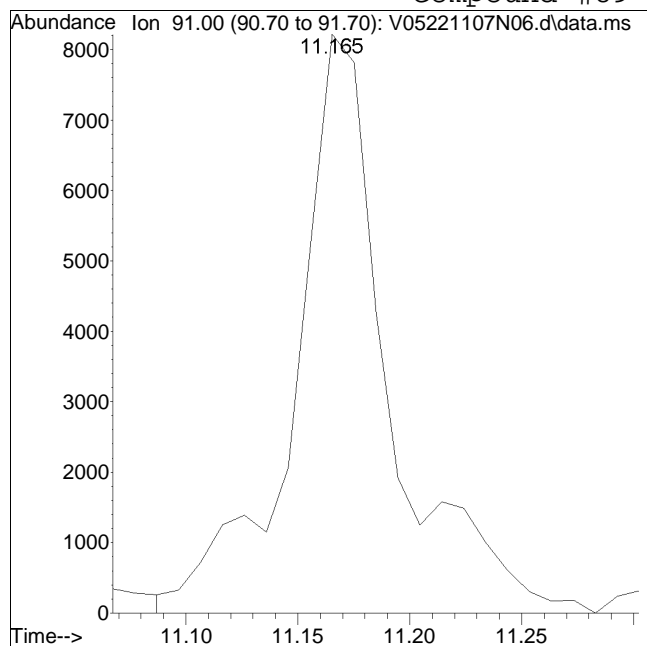
Manual Peak Response = 948 M3

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\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N06.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 6:29 pm Instrument : VOA 105
Sample : I8260STD0.5PPB Quant Date : 11/8/2022 6:41 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 24042

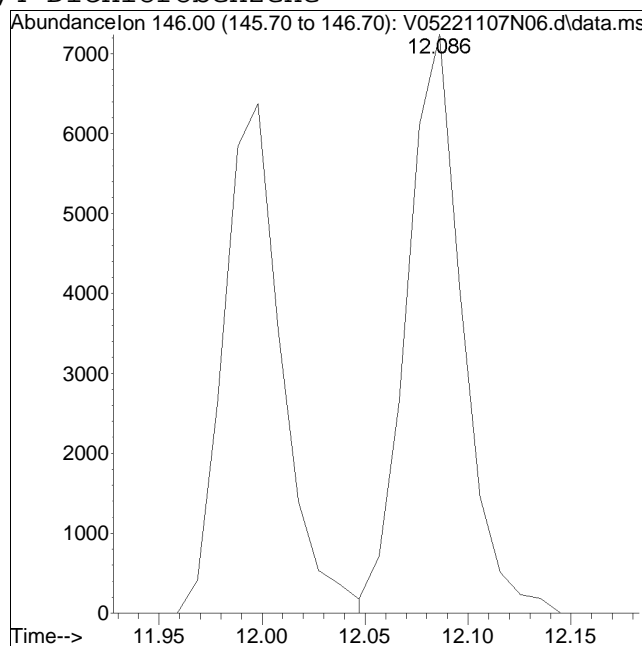
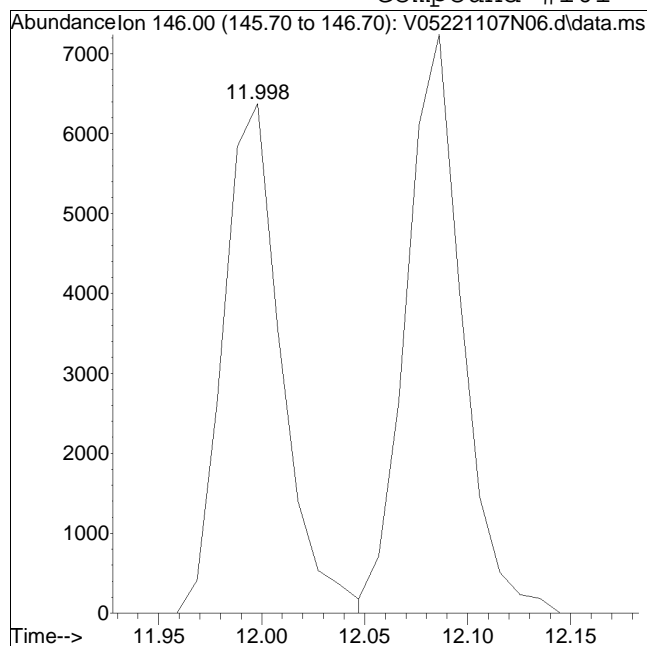
Manual Peak Response = 18060 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N06.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 6:29 pm Instrument : VOA 105
Sample : I8260STD0.5PPB Quant Date : 11/8/2022 6:41 am

Compound #101: 1,4-Dichlorobenzene



Original Peak Response = 12522

Manual Peak Response = 13610 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\VOA105\2022\221107NICAL\
 Data File : V05221107N08.d
 Acq On : 7 Nov 2022 7:16 pm
 Operator : VOA105:PID
 Sample : I8260STD2.0PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 06:48:18 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:46:16 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.812 | 96 | 488729 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = | 94.94% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 403866 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = | 95.71% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 227367 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = | 91.83% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 139990 | 10.174 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.74% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 156358 | 10.041 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.41% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 500440 | 10.130 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.30% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 192317 | 10.012 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.12% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.567 | 85 | 25383 | 2.249 | ug/L | | 96 |
| 3) Chloromethane | 1.752 | 50 | 31814 | 2.206 | ug/L | | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 34533 | 2.343 | ug/L | | 96 |
| 5) Bromomethane | 2.114 | 94 | 22173 | 2.339 | ug/L | | 98 |
| 6) Chloroethane | 2.222 | 64 | 24935 | 2.201 | ug/L | | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 50198 | 2.292 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 11407 | 2.045 | ug/L # | | 53 |
| 10) 1,1-Dichloroethene | 2.819 | 96 | 23705 | 2.271 | ug/L | | 91 |
| 11) Carbon disulfide | 2.848 | 76 | 42672 | 2.276 | ug/L | | 100 |
| 12) Freon-113 | 2.858 | 101 | 25095 | 2.332 | ug/L # | | 69 |
| 13) Iodomethane | 2.956 | 142 | 32668 | 2.206 | ug/L | | 91 |
| 14) Acrolein | 3.161 | 56 | 3651 | 2.590 | ug/L | | 85 |
| 15) Methylene chloride | 3.366 | 84 | 24401 | 2.060 | ug/L # | | 72 |
| 17) Acetone | 3.435 | 43 | 3497M4 | 2.222 | ug/L | | |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 26256 | 2.209 | ug/L | | 91 |
| 19) Methyl acetate | 3.542 | 43 | 7223 | 1.778 | ug/L # | | 81 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 44570 | 2.077 | ug/L # | | 84 |
| 21) tert-Butyl alcohol | 3.709 | 59 | 5791 | 10.120 | ug/L # | | 81 |
| 22) Diisopropyl ether | 3.943 | 45 | 72793 | 2.070 | ug/L | | 93 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 52113 | 2.213 | ug/L | | 97 |
| 24) Halothane | 4.139 | 117 | 20668 | 2.452 | ug/L | | 98 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N08.d
 Acq On : 7 Nov 2022 7:16 pm
 Operator : VOA105:PID
 Sample : I8260STD2.0PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 06:48:18 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:46:16 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.159 | 53 | 4851 | 2.092 | ug/L | 92 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 70021 | 2.070 | ug/L # | 69 |
| 27) Vinyl acetate | 4.325 | 43 | 25766M1 | 1.491 | ug/L | |
| 28) cis-1,2-Dichloroethene | 4.599 | 96 | 28698 | 2.100 | ug/L | 94 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 43613 | 2.283 | ug/L | 96 |
| 30) Bromochloromethane | 4.785 | 128 | 12615 | 2.300 | ug/L # | 84 |
| 31) Cyclohexane | 4.765 | 56 | 54414 | 2.201 | ug/L | 71 |
| 32) Chloroform | 4.853 | 83 | 46155 | 2.198 | ug/L # | 95 |
| 33) Ethyl acetate | 4.970 | 43 | 11882 | 1.832 | ug/L # | 92 |
| 34) Carbon tetrachloride | 4.970 | 117 | 39222 | 2.236 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.000 | 42 | 6132 | 3.186 | ug/L # | 83 |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 43491 | 2.231 | ug/L | 90 |
| 39) 2-Butanone | 5.156 | 43 | 4140M6 | 1.599 | ug/L | |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 34791 | 2.279 | ug/L | 94 |
| 41) Benzene | 5.401 | 78 | 96204 | 2.180 | ug/L | 94 |
| 42) tert-Amyl methyl ether | 5.508 | 73 | 54412 | 2.062 | ug/L | 91 |
| 44) 1,2-Dichloroethane | 5.616 | 62 | 34812 | 2.129 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.958 | 83 | 46693 | 2.252 | ug/L # | 78 |
| 48) Trichloroethene | 5.997 | 95 | 29607 | 1.788 | ug/L | 96 |
| 50) Dibromomethane | 6.438 | 93 | 13967 | 2.091 | ug/L | 94 |
| 51) 1,2-Dichloropropane | 6.535 | 63 | 28112 | 2.234 | ug/L # | 85 |
| 53) 2-Chloroethyl vinyl ether | 7.240 | 63 | 11438 | 2.028 | ug/L # | 93 |
| 54) Bromodichloromethane | 6.614 | 83 | 34554 | 2.139 | ug/L | 99 |
| 57) 1,4-Dioxane | 6.819 | 88 | 21517 | 414.376 | ug/L # | 79 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 38468 | 2.126 | ug/L # | 88 |
| 61) Toluene | 7.543 | 92 | 62952 | 2.150 | ug/L | 96 |
| 62) 4-Methyl-2-pentanone | 7.993 | 58 | 5788 | 1.970 | ug/L # | 83 |
| 63) Tetrachloroethene | 7.983 | 166 | 30419 | 2.346 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 8.042 | 75 | 32567 | 2.123 | ug/L | 90 |
| 67) Ethyl methacrylate | 8.227 | 69 | 21803 | 2.063 | ug/L | 92 |
| 68) 1,1,2-Trichloroethane | 8.218 | 83 | 15850 | 2.108 | ug/L | 94 |
| 69) Chlorodibromomethane | 8.433 | 129 | 22906 | 2.040 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 30211 | 2.043 | ug/L | 96 |
| 71) 1,2-Dibromoethane | 8.716 | 107 | 12292 | 2.043 | ug/L | 95 |
| 72) 2-Hexanone | 9.010 | 43 | 8152 | 2.028 | ug/L # | 83 |
| 73) Chlorobenzene | 9.343 | 112 | 72511 | 2.175 | ug/L | 96 |
| 74) Ethylbenzene | 9.373 | 91 | 128695 | 2.169 | ug/L | 93 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 24469 | 2.090 | ug/L | 88 |
| 76) p/m Xylene | 9.559 | 106 | 100761 | 4.409 | ug/L | 84 |
| 77) o Xylene | 10.107 | 106 | 91402 | 4.222 | ug/L | 85 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N08.d
 Acq On : 7 Nov 2022 7:16 pm
 Operator : VOA105:PID
 Sample : I8260STD2.0PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 06:48:18 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:46:16 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|--------|----------|
| 78) Styrene | 10.186 | 104 | 144654 | 4.214 | ug/L | 89 |
| 80) Bromoform | 10.215 | 173 | 12806 | 1.925 | ug/L | 95 |
| 82) Isopropylbenzene | 10.499 | 105 | 131363 | 2.218 | ug/L | 96 |
| 84) Bromobenzene | 10.950 | 156 | 30397 | 2.111 | ug/L | 99 |
| 85) n-Propylbenzene | 10.989 | 91 | 153314 | 2.234 | ug/L | 96 |
| 86) 1,4-Dichlorobutane | 11.028 | 55 | 31000 | 2.029 | ug/L | 95 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 20685 | 2.087 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 126103 | 2.222 | ug/L | 94 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 87213M6 | 2.219 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 110770 | 2.173 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 16990M1 | 2.026 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.303 | 53 | 6423 | 2.011 | ug/L # | 77 |
| 93) 4-Chlorotoluene | 11.352 | 91 | 93738 | 2.215 | ug/L | 91 |
| 94) tert-Butylbenzene | 11.567 | 119 | 96115 | 2.196 | ug/L | 94 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 106672 | 2.166 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 139362 | 2.230 | ug/L | 97 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 119504 | 2.199 | ug/L | 95 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 58362 | 2.082 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 60067 | 2.055 | ug/L | 99 |
| 102) p-Diethylbenzene | 12.292 | 119 | 68721 | 2.231 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 95216 | 2.149 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.508 | 146 | 52543 | 2.050 | ug/L | 95 |
| 105) 1,2,4,5-Tetramethylben... | 13.095 | 119 | 94926 | 2.132 | ug/L | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 13.301 | 155 | 2987 | 2.139 | ug/L | 86 |
| 107) 1,3,5-Trichlorobenzene | 13.321 | 180 | 37299 | 2.163 | ug/L | 96 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 13283 | 2.227 | ug/L | 98 |
| 109) 1,2,4-Trichlorobenzene | 13.928 | 180 | 28384 | 2.030 | ug/L | 98 |
| 110) Naphthalene | 14.222 | 128 | 56969 | 2.070 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.388 | 180 | 23221 | 2.066 | ug/L | 100 |

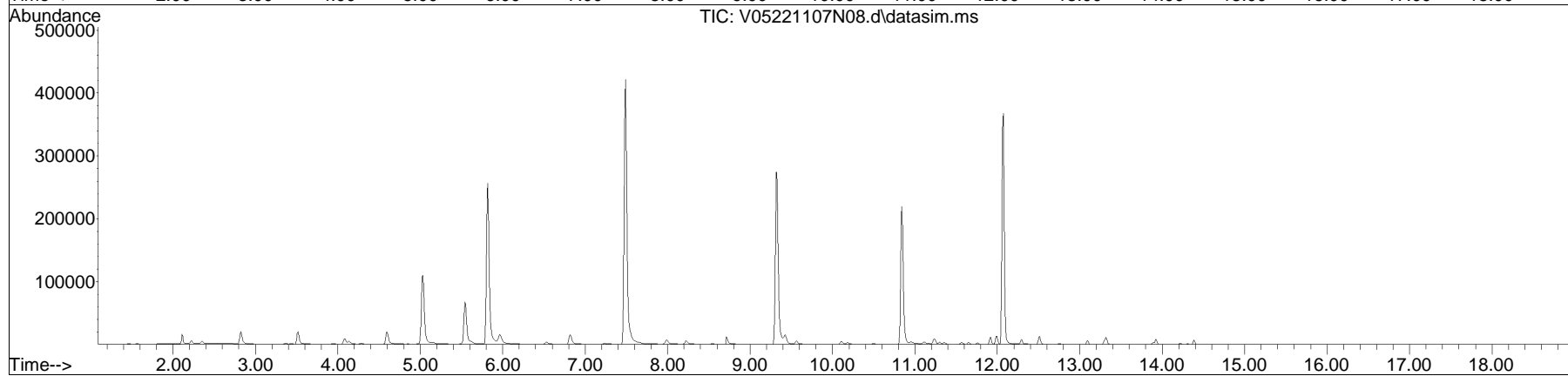
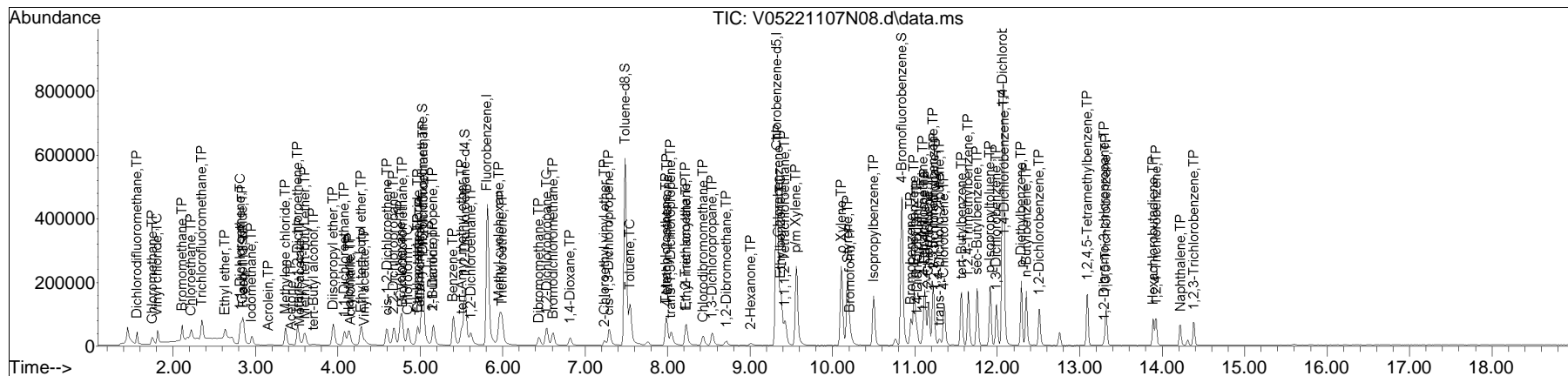
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N08.d
 Acq On : 7 Nov 2022 7:16 pm
 Operator : VOA105:PID
 Sample : I8260STD2.0PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 06:48:18 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:46:16 2022
 Response via : Initial Calibration

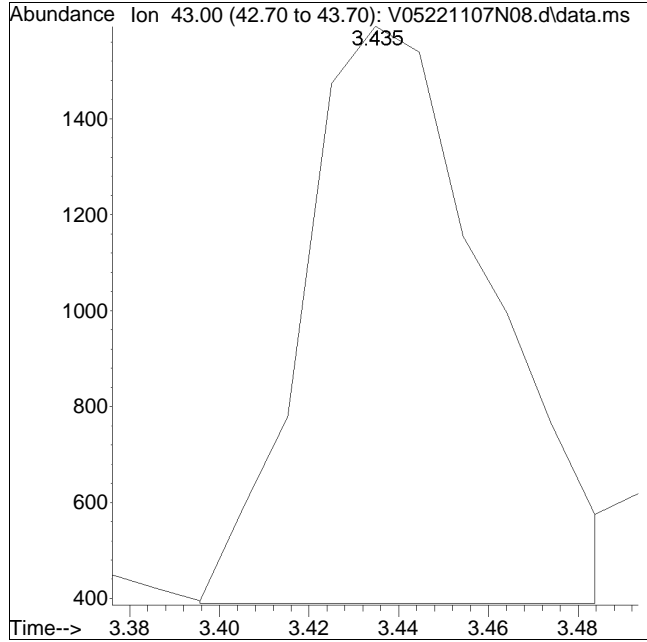
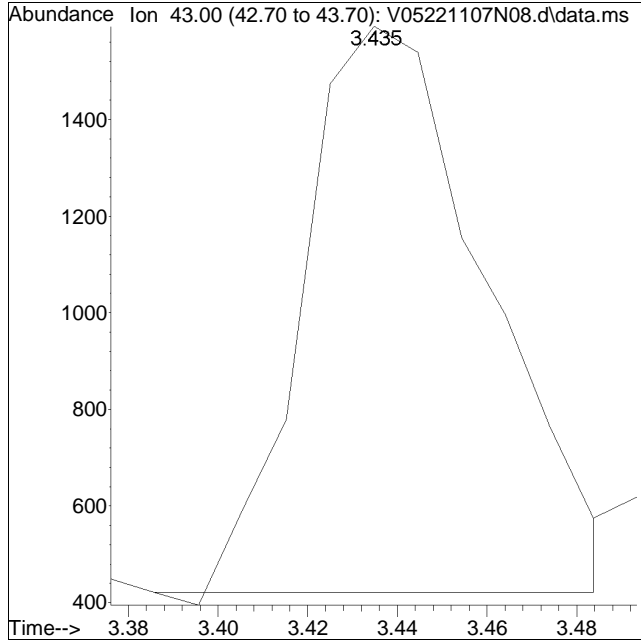
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N08.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:16 pm Instrument : VOA 105
Sample : I8260STD2.0PPB Quant Date : 11/8/2022 6:46 am

Compound #17: Acetone



Original Peak Response = 3318

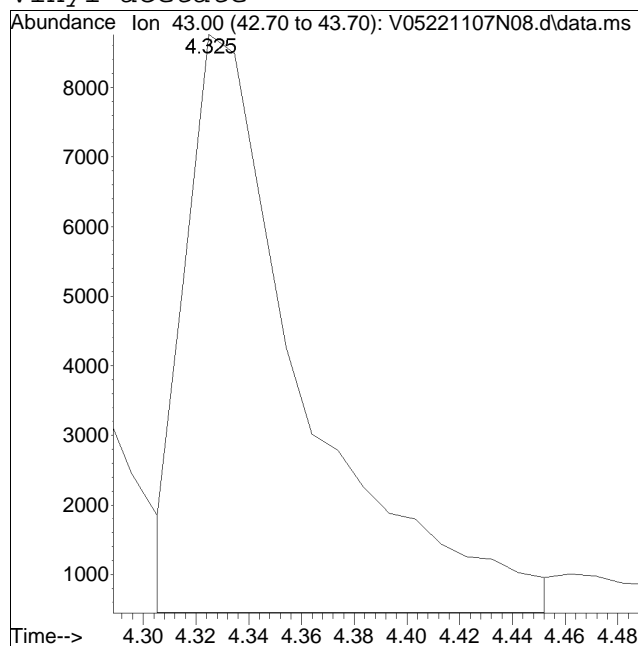
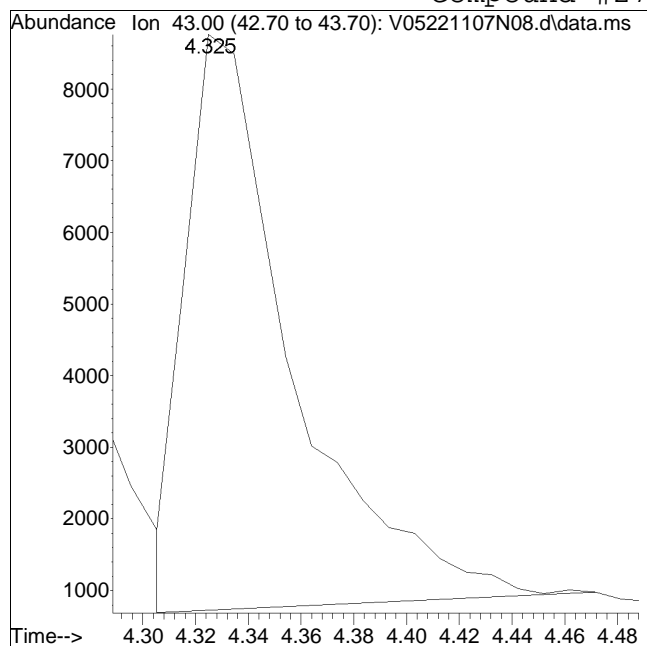
Manual Peak Response = 3497 M4

M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N08.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:16 pm Instrument : VOA 105
Sample : I8260STD2.0PPB Quant Date : 11/8/2022 6:46 am

Compound #27: Vinyl acetate



Original Peak Response = 22571

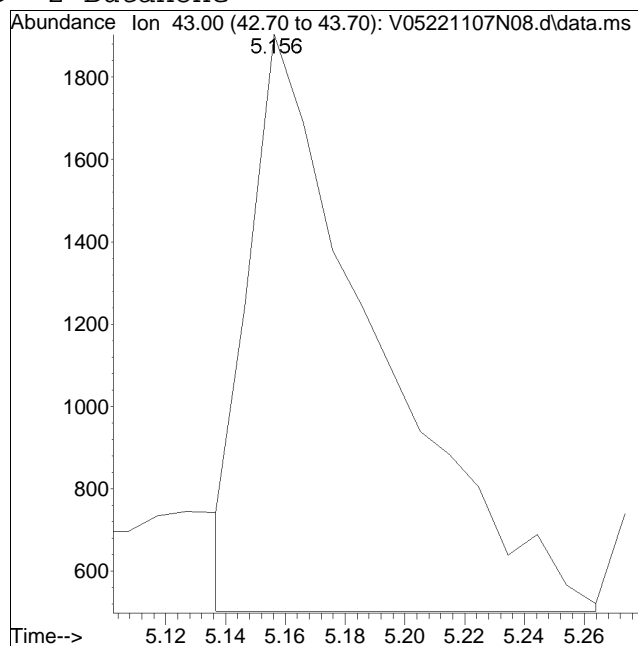
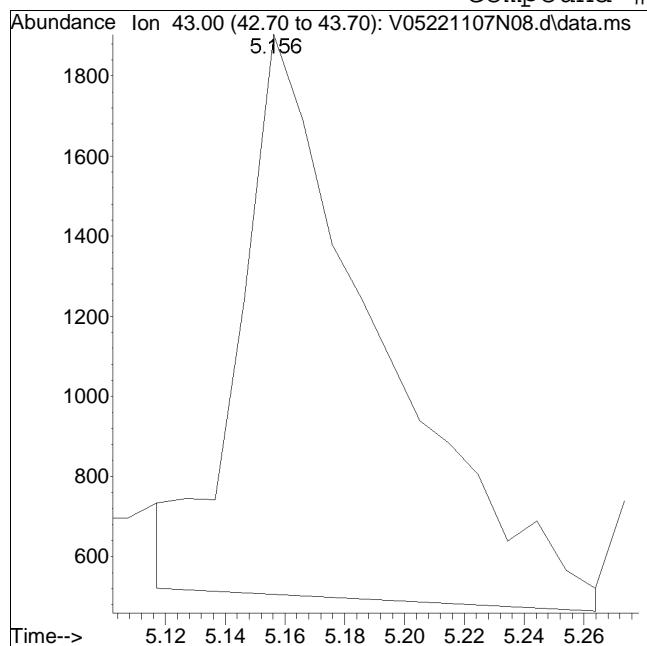
Manual Peak Response = 25766 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N08.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:16 pm Instrument : VOA 105
Sample : I8260STD2.0PPB Quant Date : 11/8/2022 6:46 am

Compound #39: 2-Butanone



Original Peak Response = 4514

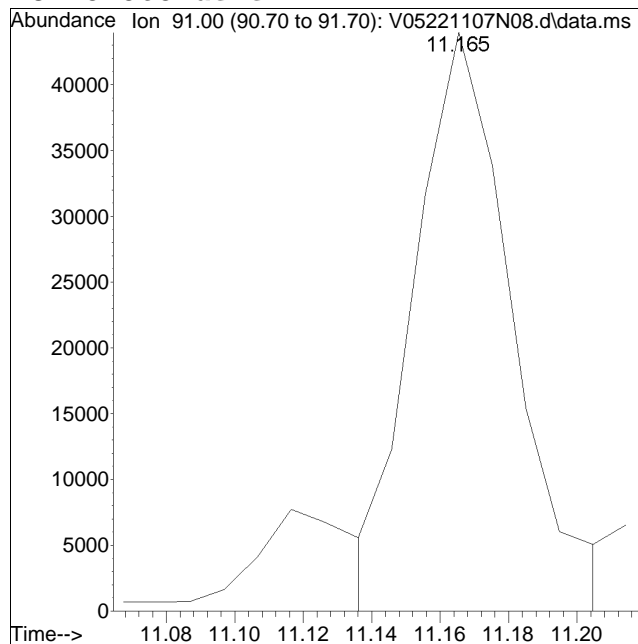
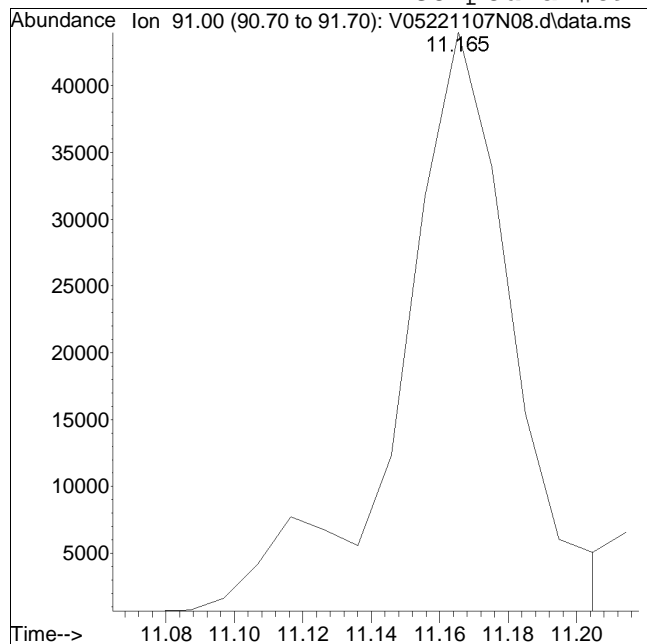
Manual Peak Response = 4140 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N08.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:16 pm Instrument : VOA 105
Sample : I8260STD2.0PPB Quant Date : 11/8/2022 6:46 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 97640

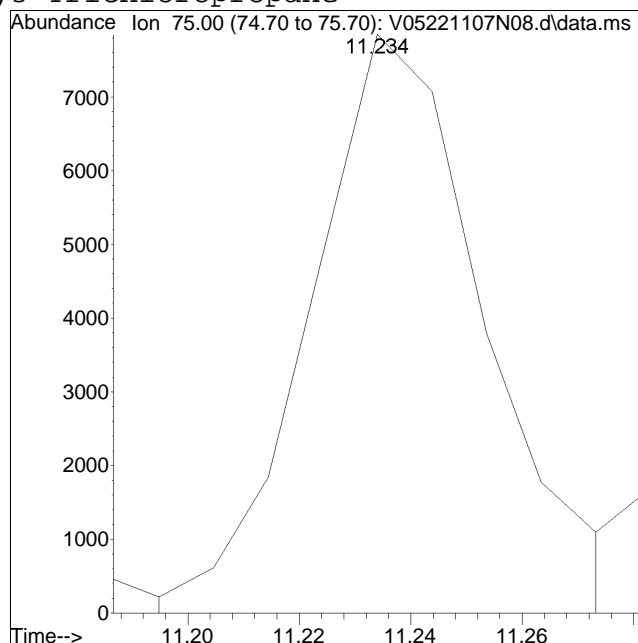
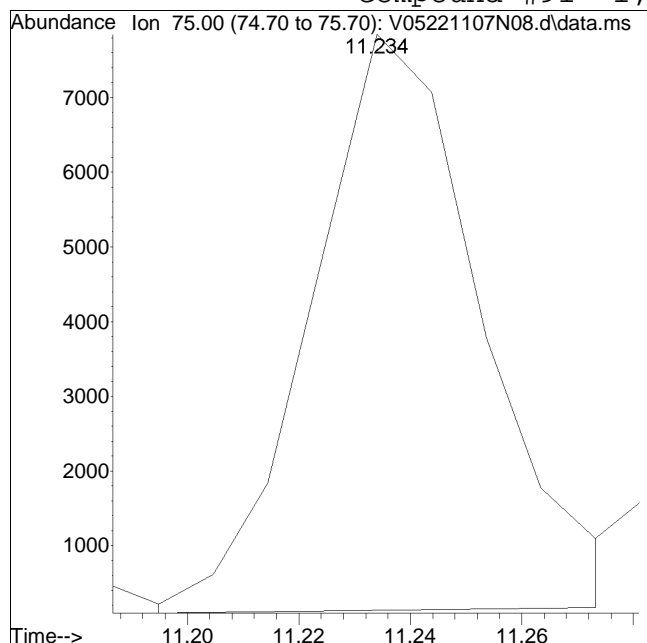
Manual Peak Response = 87213 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N08.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:16 pm Instrument : VOA 105
Sample : I8260STD2.0PPB Quant Date : 11/8/2022 6:46 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 16352

Manual Peak Response = 16990 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N09.d
 Acq On : 7 Nov 2022 7:39 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 06:37:09 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:37:02 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 514798 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 514798 | | | Recovery = 100.00% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 421984 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 421984 | | | Recovery = 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 247601 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247601 | | | Recovery = 100.00% | | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 142187 | 10.000 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 167780 | 10.000 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 100.00% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 518911 | 9.988 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.88% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 201357 | 9.994 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.94% | | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.567 | 85 | 131525 | 10.000 | ug/L | 97 |
| 3) Chloromethane | 1.743 | 50 | 159287 | 9.992 | ug/L | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 177443 | 10.000 | ug/L | 95 |
| 5) Bromomethane | 2.114 | 94 | 102145 | 10.000 | ug/L | 95 |
| 6) Chloroethane | 2.222 | 64 | 123371 | 9.984 | ug/L | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 264072 | 9.970 | ug/L | 100 |
| 8) Ethyl ether | 2.633 | 74 | 58155 | 10.000 | ug/L # | 54 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 114753 | 10.000 | ug/L | 86 |
| 11) Carbon disulfide | 2.848 | 76 | 212721 | 10.000 | ug/L | 99 |
| 12) Freon-113 | 2.848 | 101 | 132141 | 9.988 | ug/L # | 65 |
| 13) Iodomethane | 2.955 | 142 | 174628 | 9.988 | ug/L | 92 |
| 14) Acrolein | 3.151 | 56 | 14847 | 10.000 | ug/L | 93 |
| 15) Methylene chloride | 3.366 | 84 | 122891 | 10.000 | ug/L # | 73 |
| 17) Acetone | 3.425 | 43 | 16581 | 10.000 | ug/L # | 73 |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 128713 | 10.000 | ug/L | 88 |
| 19) Methyl acetate | 3.523 | 43 | 42782 | 10.000 | ug/L # | 94 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 234872 | 10.000 | ug/L # | 91 |
| 21) tert-Butyl alcohol | 3.709 | 59 | 29283 | 50.000 | ug/L # | 81 |
| 22) Diisopropyl ether | 3.943 | 45 | 383389 | 9.951 | ug/L | 94 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 262444 | 9.988 | ug/L | 96 |
| 24) Halothane | 4.129 | 117 | 103451 | 9.968 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N09.d
 Acq On : 7 Nov 2022 7:39 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 06:37:09 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:37:02 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.149 | 53 | 25234 | 10.000 | ug/L | 92 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 378719 | 10.000 | ug/L | 91 |
| 27) Vinyl acetate | 4.315 | 43 | 182063 | 10.000 | ug/L | 95 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 146464 | 10.000 | ug/L | 92 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 218925 | 9.988 | ug/L | 96 |
| 30) Bromochloromethane | 4.775 | 128 | 67237 | 10.000 | ug/L # | 85 |
| 31) Cyclohexane | 4.765 | 56 | 284850 | 10.000 | ug/L | 72 |
| 32) Chloroform | 4.853 | 83 | 232932 | 10.000 | ug/L # | 95 |
| 33) Ethyl acetate | 4.960 | 43 | 68327 | 10.000 | ug/L # | 96 |
| 34) Carbon tetrachloride | 4.970 | 117 | 211448 | 10.000 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.000 | 42 | 20438M1 | 10.000 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 219905 | 10.000 | ug/L | 95 |
| 39) 2-Butanone | 5.146 | 43 | 27273 | 10.000 | ug/L # | 82 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 181208 | 9.956 | ug/L | 96 |
| 41) Benzene | 5.401 | 78 | 509922 | 10.000 | ug/L | 95 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 288770 | 10.000 | ug/L | 93 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 178619 | 10.000 | ug/L | 99 |
| 47) Methyl cyclohexane | 5.968 | 83 | 249233 | 10.030 | ug/L # | 77 |
| 48) Trichloroethene | 5.987 | 95 | 144412 | 10.000 | ug/L | 93 |
| 50) Dibromomethane | 6.437 | 93 | 74190 | 10.000 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 146884 | 9.984 | ug/L # | 88 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 66175 | 10.036 | ug/L | 90 |
| 54) Bromodichloromethane | 6.604 | 83 | 175976 | 10.000 | ug/L | 97 |
| 57) 1,4-Dioxane | 6.819 | 88 | 29784 | 500.000 | ug/L # | 84 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 207599 | 10.023 | ug/L | 93 |
| 61) Toluene | 7.543 | 92 | 334567 | 9.984 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 29350 | 10.000 | ug/L # | 88 |
| 63) Tetrachloroethene | 7.983 | 166 | 160620 | 10.000 | ug/L | 93 |
| 65) trans-1,3-Dichloropropene | 8.041 | 75 | 178227 | 9.978 | ug/L | 91 |
| 67) Ethyl methacrylate | 8.217 | 69 | 114255 | 9.977 | ug/L | 94 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 80963 | 9.985 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.433 | 129 | 129490 | 10.000 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 168612 | 9.988 | ug/L | 98 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 63573 | 10.048 | ug/L | 99 |
| 72) 2-Hexanone | 8.991 | 43 | 44378 | 10.000 | ug/L # | 86 |
| 73) Chlorobenzene | 9.343 | 112 | 385879 | 10.000 | ug/L | 91 |
| 74) Ethylbenzene | 9.373 | 91 | 674091 | 10.000 | ug/L | 93 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 138151 | 10.000 | ug/L | 95 |
| 76) p/m Xylene | 9.559 | 106 | 539862 | 20.000 | ug/L | 83 |
| 77) o Xylene | 10.107 | 106 | 502050 | 20.000 | ug/L | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N09.d
 Acq On : 7 Nov 2022 7:39 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 06:37:09 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:37:02 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 10.176 | 104 | 809514 | 20.000 | ug/L | 88 |
| 80) Bromoform | 10.215 | 173 | 79525 | 10.000 | ug/L | 97 |
| 82) Isopropylbenzene | 10.499 | 105 | 712305 | 9.997 | ug/L | 94 |
| 84) Bromobenzene | 10.950 | 156 | 168263 | 10.001 | ug/L | 100 |
| 85) n-Propylbenzene | 10.989 | 91 | 819347 | 10.000 | ug/L | 93 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 162692 | 10.000 | ug/L | 92 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 107009 | 10.000 | ug/L | 100 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 684188 | 10.000 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 451789M6 | 10.000 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 591675 | 10.000 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 89144M1 | 10.000 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 35109 | 10.000 | ug/L # | 79 |
| 93) 4-Chlorotoluene | 11.351 | 91 | 478528 | 10.000 | ug/L | 90 |
| 94) tert-Butylbenzene | 11.567 | 119 | 521803 | 10.000 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 573264 | 10.000 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 750052 | 10.000 | ug/L | 95 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 658996 | 10.000 | ug/L | 93 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 330152 | 10.000 | ug/L | 96 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 332098 | 10.015 | ug/L | 97 |
| 102) p-Diethylbenzene | 12.292 | 119 | 377148 | 10.000 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 521877 | 10.000 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 294439 | 10.000 | ug/L | 95 |
| 105) 1,2,4,5-Tetramethylben... | 13.085 | 119 | 533557 | 10.000 | ug/L | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 13.301 | 155 | 17564 | 10.000 | ug/L | 93 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 210502 | 10.000 | ug/L | 97 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 75525 | 10.000 | ug/L | 100 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 165089 | 10.000 | ug/L | 98 |
| 110) Naphthalene | 14.212 | 128 | 307178 | 10.000 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 130338 | 10.000 | ug/L | 99 |

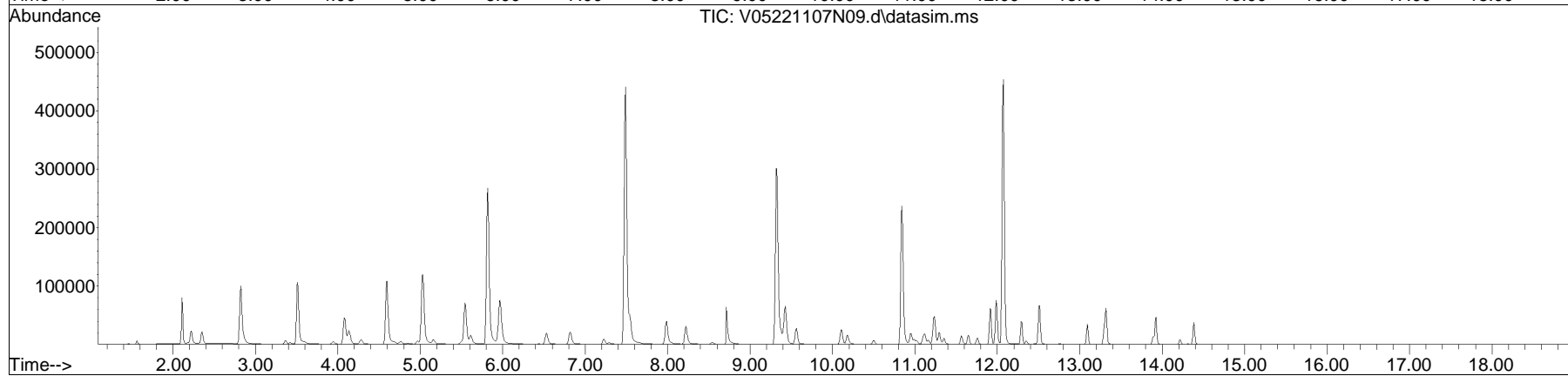
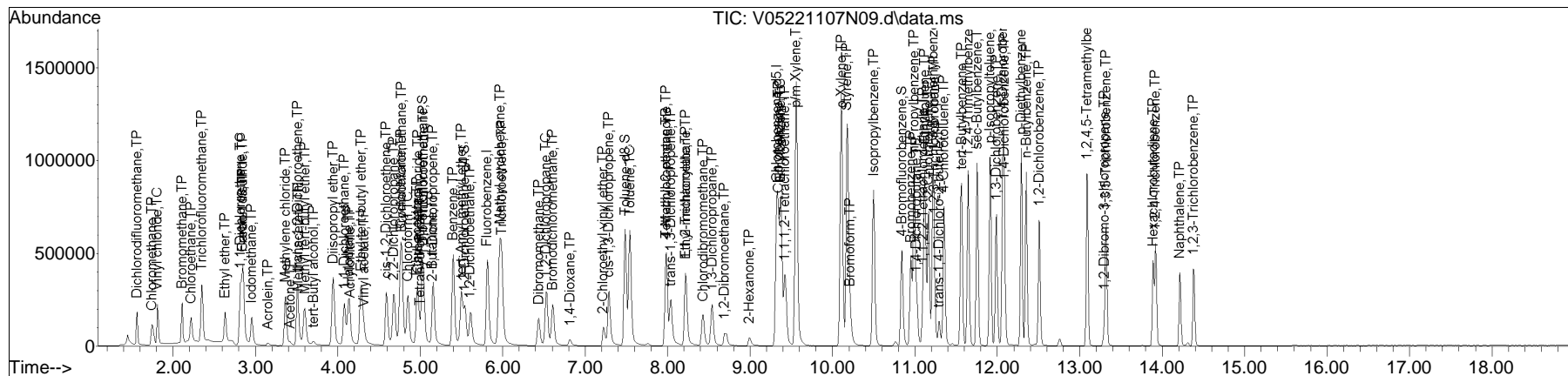
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N09.d
 Acq On : 7 Nov 2022 7:39 pm
 Operator : VOA105:PID
 Sample : I8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 06:37:09 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:37:02 2022
 Response via : Initial Calibration

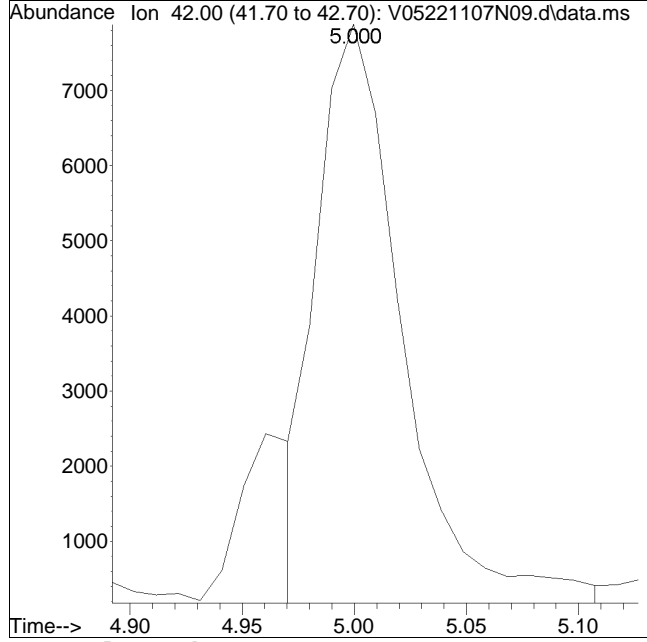
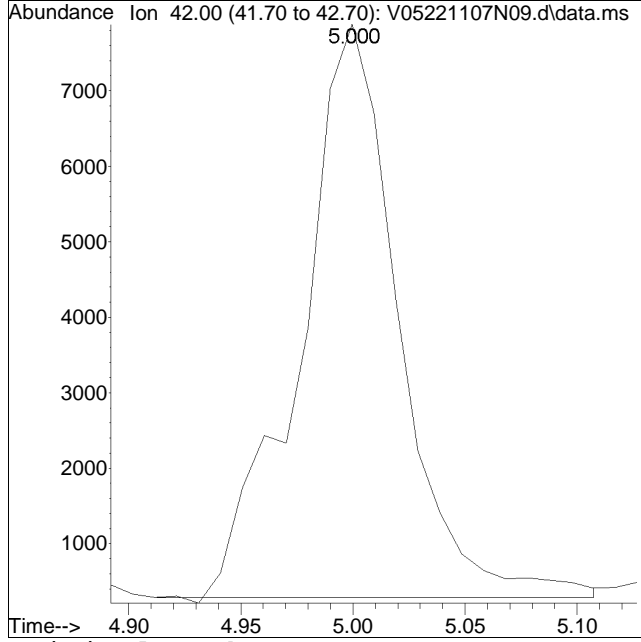
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N09.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:39 pm Instrument : VOA 105
Sample : I8260STD10PPB Quant Date : 11/8/2022 6:37 am

Compound #35: Tetrahydrofuran



Original Peak Response = 23028

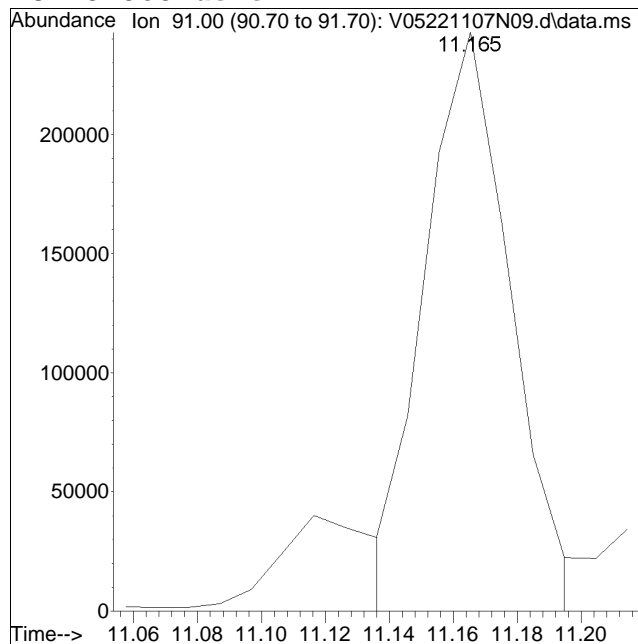
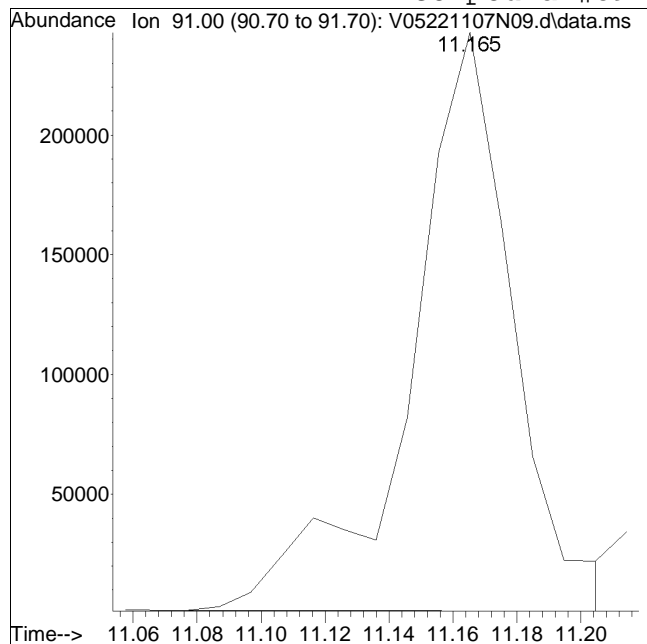
Manual Peak Response = 20438 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N09.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:39 pm Instrument : VOA 105
Sample : I8260STD10PPB Quant Date : 11/8/2022 6:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 538230

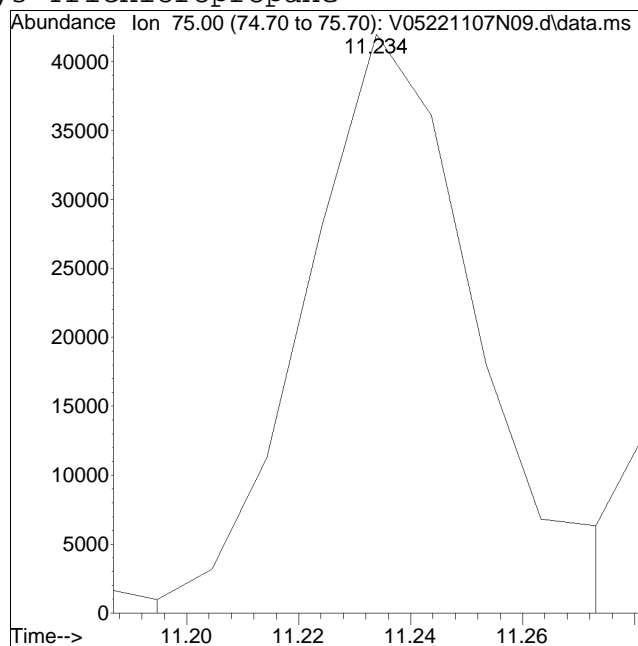
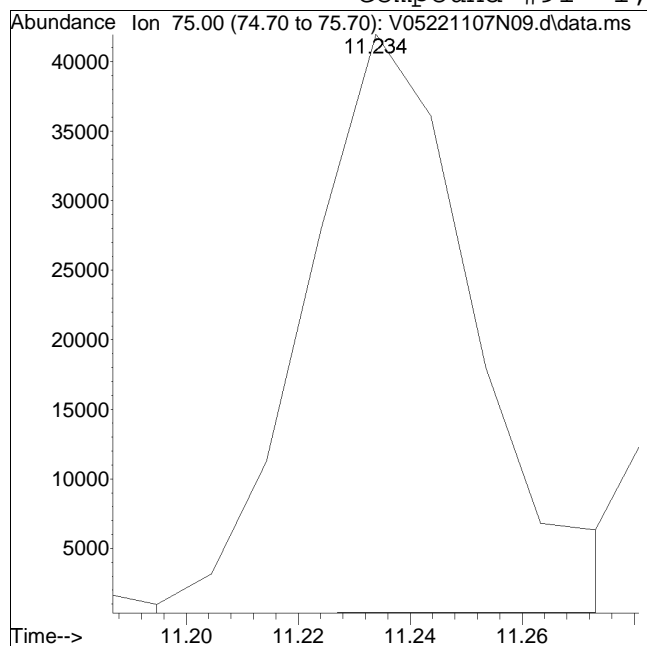
Manual Peak Response = 451789 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N09.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 7:39 pm Instrument : VOA 105
Sample : I8260STD10PPB Quant Date : 11/8/2022 6:37 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 87346

Manual Peak Response = 89144 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N10.d
 Acq On : 7 Nov 2022 8:03 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 06:50:05 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 528437 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 514798 | | | Recovery = | 102.65% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 441516 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 421984 | | | Recovery = | 104.63% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 253713 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 247601 | | | Recovery = | 102.47% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 147081 | 9.843 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.43% | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 157298 | 9.332 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 93.32% | | |
| 60) Toluene-d8 | 7.484 | 98 | 534126 | 9.858 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.58% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 205478 | 9.584 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.84% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.567 | 85 | 388434 | 30.560 | ug/L | 98 |
| 3) Chloromethane | 1.743 | 50 | 470226 | 29.153 | ug/L | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 530765 | 31.935 | ug/L | 96 |
| 5) Bromomethane | 2.114 | 94 | 316447 | 29.221 | ug/L | 98 |
| 6) Chloroethane | 2.212 | 64 | 361894 | 28.584 | ug/L | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 787330 | 31.704 | ug/L | 100 |
| 8) Ethyl ether | 2.633 | 74 | 172409 | 28.376 | ug/L # | 57 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 344096 | 29.169 | ug/L | 86 |
| 11) Carbon disulfide | 2.848 | 76 | 640275 | 30.194 | ug/L | 98 |
| 12) Freon-113 | 2.848 | 101 | 401507 | 32.700 | ug/L # | 64 |
| 13) Iodomethane | 2.955 | 142 | 543213 | 32.796 | ug/L | 92 |
| 14) Acrolein | 3.141 | 56 | 45936 | 26.265 | ug/L | 97 |
| 15) Methylene chloride | 3.366 | 84 | 373958 | 28.907 | ug/L # | 75 |
| 17) Acetone | 3.415 | 43 | 53427 | 29.743 | ug/L # | 79 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 395421 | 29.734 | ug/L | 90 |
| 19) Methyl acetate | 3.523 | 43 | 143687 | 34.638 | ug/L # | 89 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 738832 | 31.440 | ug/L # | 93 |
| 21) tert-Butyl alcohol | 3.709 | 59 | 95009 | 152.939 | ug/L | 84 |
| 22) Diisopropyl ether | 3.943 | 45 | 1184107 | 30.780 | ug/L | 94 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 804195 | 30.504 | ug/L | 96 |
| 24) Halothane | 4.129 | 117 | 324169 | 33.076 | ug/L | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N10.d
 Acq On : 7 Nov 2022 8:03 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 06:50:05 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Acrylonitrile | 4.139 | 53 | 81785 | 32.129 | ug/L | # 88 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 1181669 | 31.939 | ug/L | 93 |
| 27) Vinyl acetate | 4.305 | 43 | 588826 | 36.104 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 449470 | 29.921 | ug/L | 93 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 657357 | 30.395 | ug/L | 97 |
| 30) Bromochloromethane | 4.775 | 128 | 206699 | 33.199 | ug/L | 88 |
| 31) Cyclohexane | 4.765 | 56 | 855283 | 30.962 | ug/L | 74 |
| 32) Chloroform | 4.853 | 83 | 708566 | 30.212 | ug/L | # 96 |
| 33) Ethyl acetate | 4.951 | 43 | 219671 | 32.695 | ug/L | 95 |
| 34) Carbon tetrachloride | 4.970 | 117 | 667941 | 34.203 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.000 | 42 | 59422M6 | 23.840 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 668949 | 30.562 | ug/L | 95 |
| 39) 2-Butanone | 5.137 | 43 | 91056 | 36.150 | ug/L | # 77 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 560128 | 32.425 | ug/L | 95 |
| 41) Benzene | 5.401 | 78 | 1590675 | 32.603 | ug/L | 96 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 909505 | 31.546 | ug/L | 92 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 537965 | 29.787 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.958 | 83 | 777206 | 33.269 | ug/L | # 81 |
| 48) Trichloroethene | 5.987 | 95 | 451382 | 25.892 | ug/L | 92 |
| 50) Dibromomethane | 6.428 | 93 | 226117 | 30.837 | ug/L | 94 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 446914 | 31.612 | ug/L | # 87 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 209176 | 34.143 | ug/L | 89 |
| 54) Bromodichloromethane | 6.604 | 83 | 541723 | 30.310 | ug/L | 97 |
| 57) 1,4-Dioxane | 6.819 | 88 | 40578 | 714.178 | ug/L | # 85 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 650487 | 32.570 | ug/L | 96 |
| 61) Toluene | 7.543 | 92 | 1035743 | 31.572 | ug/L | 99 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 93492 | 29.250 | ug/L | # 83 |
| 63) Tetrachloroethene | 7.983 | 166 | 520004 | 34.689 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 8.032 | 75 | 563010 | 32.901 | ug/L | 94 |
| 67) Ethyl methacrylate | 8.217 | 69 | 358004 | 30.659 | ug/L | 94 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 246096 | 29.407 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.423 | 129 | 415037 | 33.590 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 522362 | 32.081 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 191614 | 28.925 | ug/L | 98 |
| 72) 2-Hexanone | 8.991 | 43 | 140585 | 31.839 | ug/L | 91 |
| 73) Chlorobenzene | 9.343 | 112 | 1185684 | 31.607 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 2066773 | 30.991 | ug/L | 92 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 442732 | 34.082 | ug/L | 96 |
| 76) p/m Xylene | 9.559 | 106 | 1653144 | 63.987 | ug/L | 84 |
| 77) o Xylene | 10.107 | 106 | 1536608 | 63.750 | ug/L | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N10.d
 Acq On : 7 Nov 2022 8:03 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 06:50:05 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

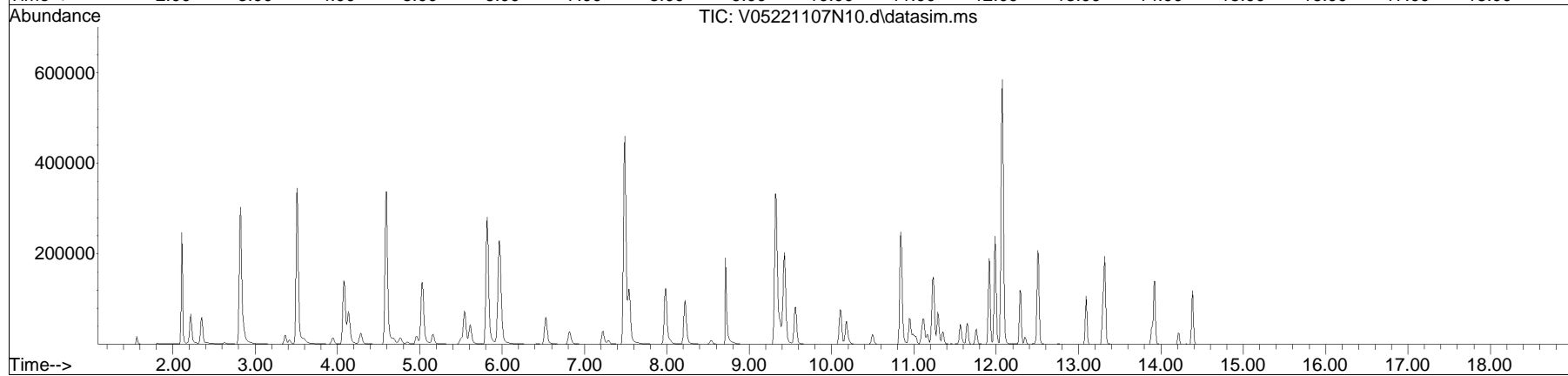
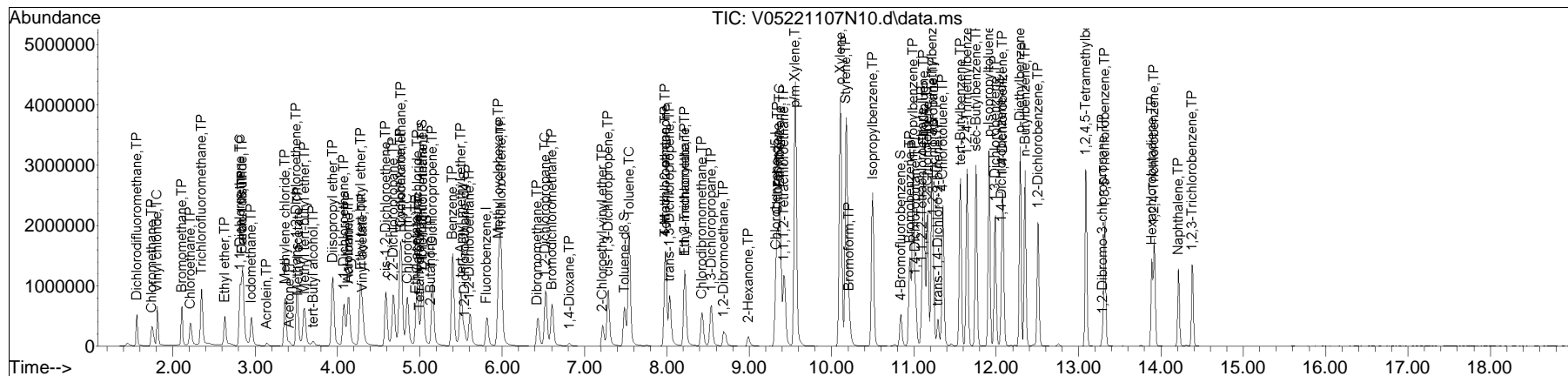
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|--------|--------|----------|
| 78) Styrene | 10.176 | 104 | 2488890 | 65.158 | ug/L | 88 |
| 80) Bromoform | 10.215 | 173 | 268676 | 36.652 | ug/L | 97 |
| 82) Isopropylbenzene | 10.499 | 105 | 2178470 | 31.810 | ug/L | 93 |
| 84) Bromobenzene | 10.950 | 156 | 533333 | 32.592 | ug/L | 100 |
| 85) n-Propylbenzene | 10.989 | 91 | 2508674 | 31.525 | ug/L | 93 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 488036 | 28.489 | ug/L | 92 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 329303 | 29.349 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 2075174 | 31.597 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 1410373M6 | 31.025 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 1801241 | 30.775 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 264236M4 | 28.118 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 105823 | 29.639 | ug/L # | 66 |
| 93) 4-Chlorotoluene | 11.351 | 91 | 1450484 | 29.652 | ug/L # | 88 |
| 94) tert-Butylbenzene | 11.567 | 119 | 1610362 | 31.927 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 1760807 | 31.177 | ug/L | 92 |
| 98) sec-Butylbenzene | 11.753 | 105 | 2277984 | 31.459 | ug/L | 95 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 2015799 | 32.177 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 1020627 | 32.192 | ug/L | 96 |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 1016610 | 30.881 | ug/L | 96 |
| 102) p-Diethylbenzene | 12.292 | 119 | 1171115 | 32.807 | ug/L | 96 |
| 103) n-Butylbenzene | 12.351 | 91 | 1609866 | 31.773 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 909856 | 31.551 | ug/L | 95 |
| 105) 1,2,4,5-Tetramethylben... | 13.085 | 119 | 1669896 | 32.887 | ug/L | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 57879 | 36.304 | ug/L | 95 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 672618 | 34.030 | ug/L | 97 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 242628 | 35.127 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 531260 | 33.876 | ug/L | 99 |
| 110) Naphthalene | 14.212 | 128 | 972728 | 31.304 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 421336 | 33.227 | ug/L | 99 |

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

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N10.d
 Acq On : 7 Nov 2022 8:03 pm
 Operator : VOA105:PID
 Sample : I8260STD30PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 06:50:05 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

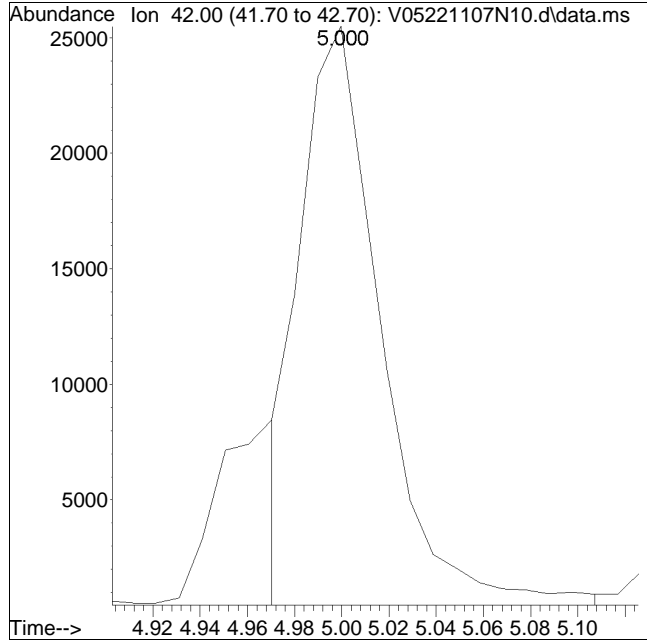
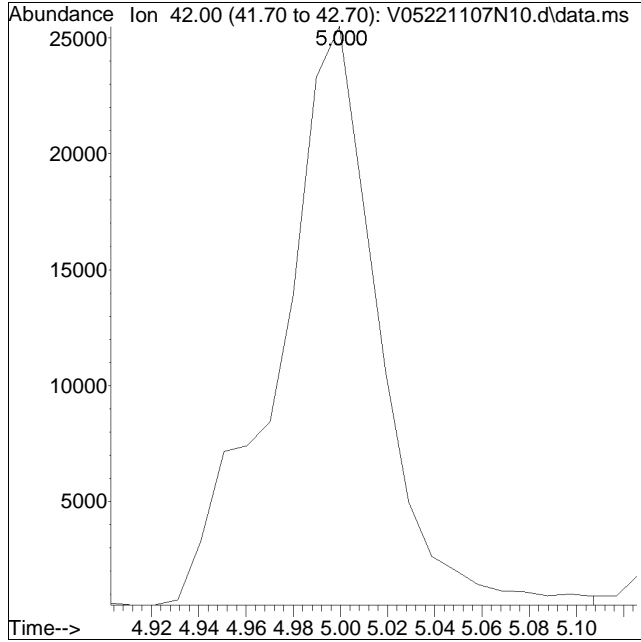
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N10.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:03 pm Instrument : VOA 105
Sample : I8260STD30PPB Quant Date : 11/8/2022 6:48 am

Compound #35: Tetrahydrofuran



Original Peak Response = 73024

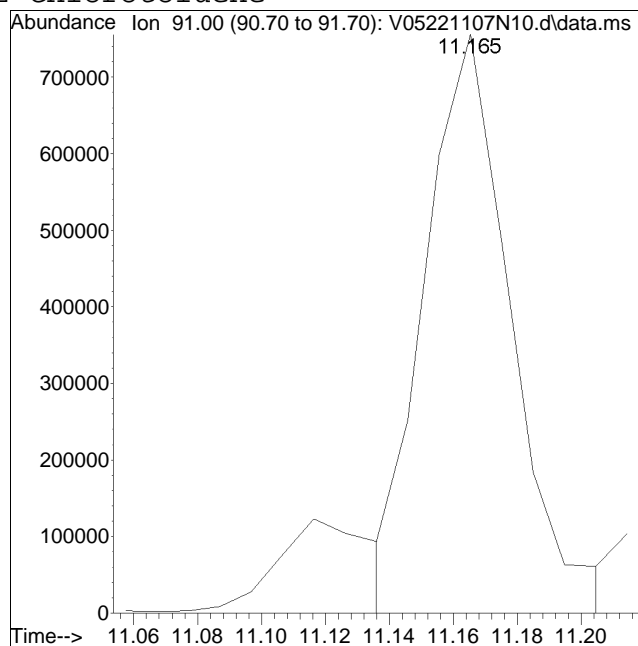
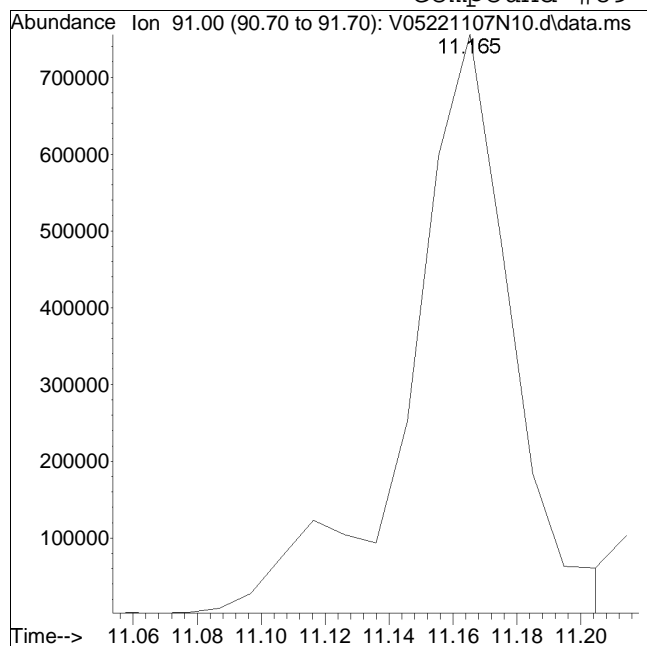
Manual Peak Response = 59422 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N10.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:03 pm Instrument : VOA 105
Sample : I8260STD30PPB Quant Date : 11/8/2022 6:48 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 1648312

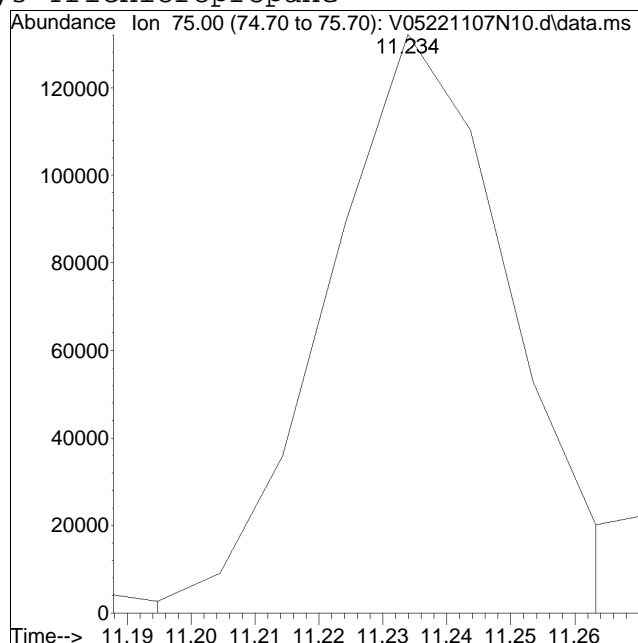
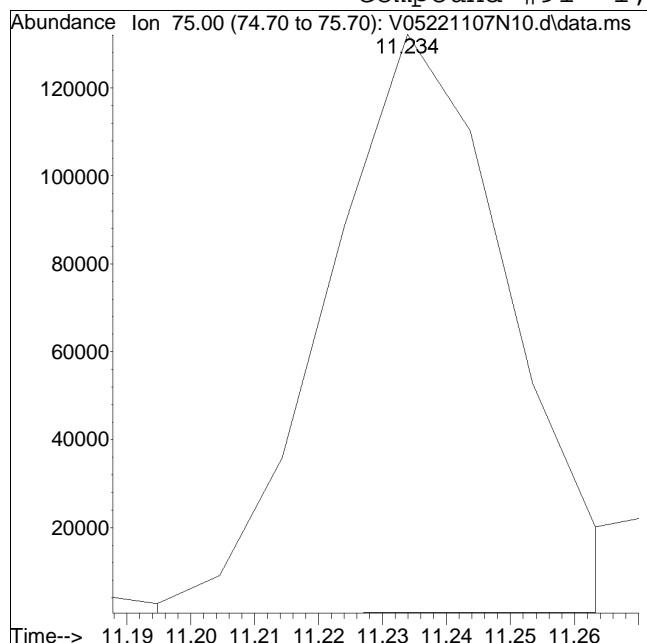
Manual Peak Response = 1410373 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N10.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:03 pm Instrument : VOA 105
Sample : I8260STD30PPB Quant Date : 11/8/2022 6:48 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 261612

Manual Peak Response = 264236 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N11.d
 Acq On : 7 Nov 2022 8:26 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 06:51:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 556332 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = 108.07% | | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 456627 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = 108.21% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.066 | 152 | 261549 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = 105.63% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 152581 | 9.699 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.99% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 167481 | 9.438 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.38% | | | | |
| 60) Toluene-d8 | 7.484 | 98 | 551300 | 9.838 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.38% | | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 213296 | 9.650 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.50% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.566 | 85 | 1043549 | 77.984 | ug/L | | 98 |
| 3) Chloromethane | 1.742 | 50 | 1242185 | 73.151 | ug/L | | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 1442171 | 82.422 | ug/L | | 95 |
| 5) Bromomethane | 2.104 | 94 | 885204 | 77.643 | ug/L | | 99 |
| 6) Chloroethane | 2.212 | 64 | 949698 | 71.249 | ug/L | | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 2096957 | 80.205 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 464214 | 72.572 | ug/L | # | 60 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 969646 | 78.076 | ug/L | | 88 |
| 11) Carbon disulfide | 2.848 | 76 | 1849820 | 82.859 | ug/L | | 99 |
| 12) Freon-113 | 2.848 | 101 | 1114076 | 86.185 | ug/L | # | 68 |
| 13) Iodomethane | 2.955 | 142 | 1576700 | 90.420 | ug/L | | 91 |
| 14) Acrolein | 3.141 | 56 | 129457 | 70.309 | ug/L | | 97 |
| 15) Methylene chloride | 3.366 | 84 | 1049811 | 77.082 | ug/L | | 81 |
| 17) Acetone | 3.415 | 43 | 156854 | 82.942 | ug/L | # | 85 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 1108167 | 79.151 | ug/L | | 92 |
| 19) Methyl acetate | 3.523 | 43 | 397057 | 90.918 | ug/L | | 90 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 2057347 | 83.159 | ug/L | # | 94 |
| 21) tert-Butyl alcohol | 3.699 | 59 | 252714 | 386.405 | ug/L | # | 81 |
| 22) Diisopropyl ether | 3.943 | 45 | 3195822 | 78.907 | ug/L | | 95 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 2178146 | 78.478 | ug/L | | 96 |
| 24) Halothane | 4.129 | 117 | 912714 | 88.459 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N11.d
 Acq On : 7 Nov 2022 8:26 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 06:51:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Acrylonitrile | 4.139 | 53 | 223672 | 83.462 | ug/L | # 88 |
| 26) Ethyl tert-butyl ether | 4.285 | 59 | 3251679 | 83.482 | ug/L | 93 |
| 27) Vinyl acetate | 4.305 | 43 | 1746844 | 101.738 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 1230855 | 77.828 | ug/L | 94 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 1782747 | 78.298 | ug/L | 99 |
| 30) Bromochloromethane | 4.775 | 128 | 576815 | 87.999 | ug/L | 90 |
| 31) Cyclohexane | 4.765 | 56 | 2301382 | 79.134 | ug/L | 76 |
| 32) Chloroform | 4.853 | 83 | 1933963 | 78.326 | ug/L | 96 |
| 33) Ethyl acetate | 4.951 | 43 | 618017 | 87.372 | ug/L | 96 |
| 34) Carbon tetrachloride | 4.970 | 117 | 1857685 | 90.357 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.000 | 42 | 153007M6 | 58.309 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 1831241 | 79.467 | ug/L | 95 |
| 39) 2-Butanone | 5.136 | 43 | 251038 | 94.666 | ug/L | # 78 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 1553255 | 85.407 | ug/L | 95 |
| 41) Benzene | 5.401 | 78 | 4369610 | 85.071 | ug/L | 96 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 2544053 | 83.815 | ug/L | 92 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 1452448 | 76.390 | ug/L | 97 |
| 47) Methyl cyclohexane | 5.968 | 83 | 2145895 | 87.250 | ug/L | # 82 |
| 48) Trichloroethene | 5.987 | 95 | 1224114 | 66.698 | ug/L | 92 |
| 50) Dibromomethane | 6.427 | 93 | 627147 | 81.239 | ug/L | 93 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 1221775 | 82.088 | ug/L | # 87 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 571498 | 88.606 | ug/L | 90 |
| 54) Bromodichloromethane | 6.604 | 83 | 1487885 | 79.076 | ug/L | 97 |
| 57) 1,4-Dioxane | 6.819 | 88 | 50620 | 846.247 | ug/L | 86 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 1801530 | 85.680 | ug/L | 97 |
| 61) Toluene | 7.543 | 92 | 2855126 | 84.152 | ug/L | 100 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 250637 | 75.819 | ug/L | # 85 |
| 63) Tetrachloroethene | 7.983 | 166 | 1442440 | 93.038 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 8.032 | 75 | 1549770 | 87.569 | ug/L | 95 |
| 67) Ethyl methacrylate | 8.217 | 69 | 983320 | 81.424 | ug/L | 94 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 679570 | 78.518 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.423 | 129 | 1167214 | 91.340 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 1431725 | 85.020 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 521529 | 76.121 | ug/L | 100 |
| 72) 2-Hexanone | 8.981 | 43 | 375187 | 82.157 | ug/L | 90 |
| 73) Chlorobenzene | 9.343 | 112 | 3256945 | 83.949 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 5631552 | 81.649 | ug/L | 92 |
| 75) 1,1,1,2-Tetrachloroethane | 9.431 | 131 | 1225282 | 91.201 | ug/L | 97 |
| 76) p/m Xylene | 9.559 | 106 | 4564901 | 170.844 | ug/L | 83 |
| 77) o Xylene | 10.107 | 106 | 4239026 | 170.046 | ug/L | 83 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N11.d
 Acq On : 7 Nov 2022 8:26 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 06:51:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.186 | 104 | 6833444 | 172.975 | ug/L | 89 |
| 80) Bromoform | 10.215 | 173 | 743311 | 98.362 | ug/L | 96 |
| 82) Isopropylbenzene | 10.499 | 105 | 5955357 | 84.354 | ug/L | 94 |
| 84) Bromobenzene | 10.950 | 156 | 1453640 | 86.170 | ug/L | 100 |
| 85) n-Propylbenzene | 10.989 | 91 | 6868233 | 83.724 | ug/L | 93 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 1320299 | 74.763 | ug/L | 91 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 913510 | 78.978 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 5702170 | 84.220 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 3853753M6 | 82.234 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 4873954 | 80.778 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 723342M1 | 74.666 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 267969 | 72.804 | ug/L # | 55 |
| 93) 4-Chlorotoluene | 11.351 | 91 | 3998670 | 79.295 | ug/L | 89 |
| 94) tert-Butylbenzene | 11.567 | 119 | 4400520 | 84.632 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 4800791 | 82.456 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 6241874 | 83.617 | ug/L | 95 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 5469668 | 84.692 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 2790164 | 85.368 | ug/L | 96 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 2759422 | 81.310 | ug/L | 97 |
| 102) p-Diethylbenzene | 12.292 | 119 | 3230623 | 87.790 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 4448330 | 85.163 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 2468064 | 83.020 | ug/L | 96 |
| 105) 1,2,4,5-Tetramethylben... | 13.095 | 119 | 4570422 | 87.313 | ug/L | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 158462 | 96.415 | ug/L | 98 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 1819198 | 89.282 | ug/L | 98 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 688619 | 96.710 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 1452736 | 89.859 | ug/L | 99 |
| 110) Naphthalene | 14.212 | 128 | 2648317 | 82.675 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 1140080 | 87.215 | ug/L | 99 |

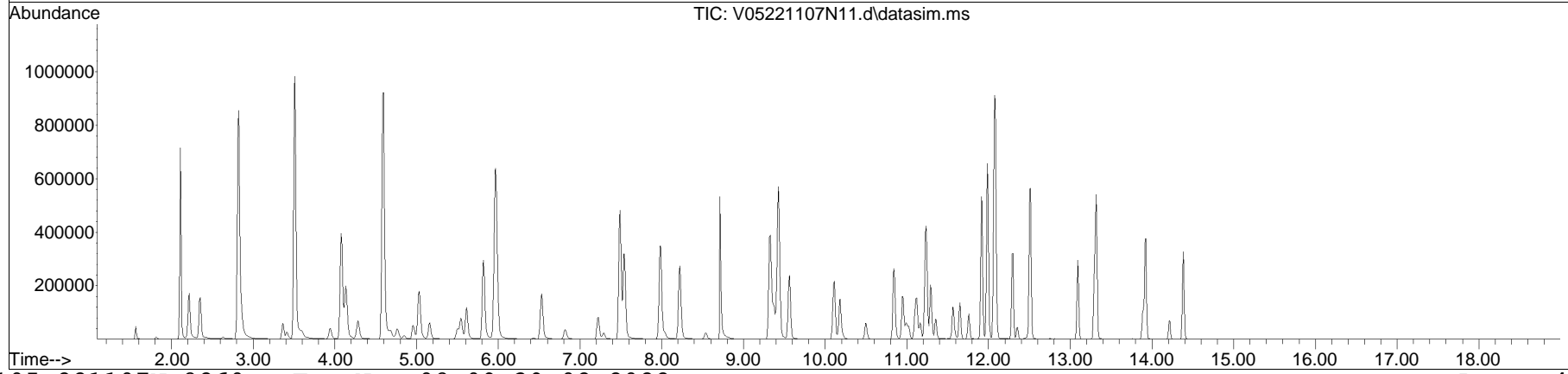
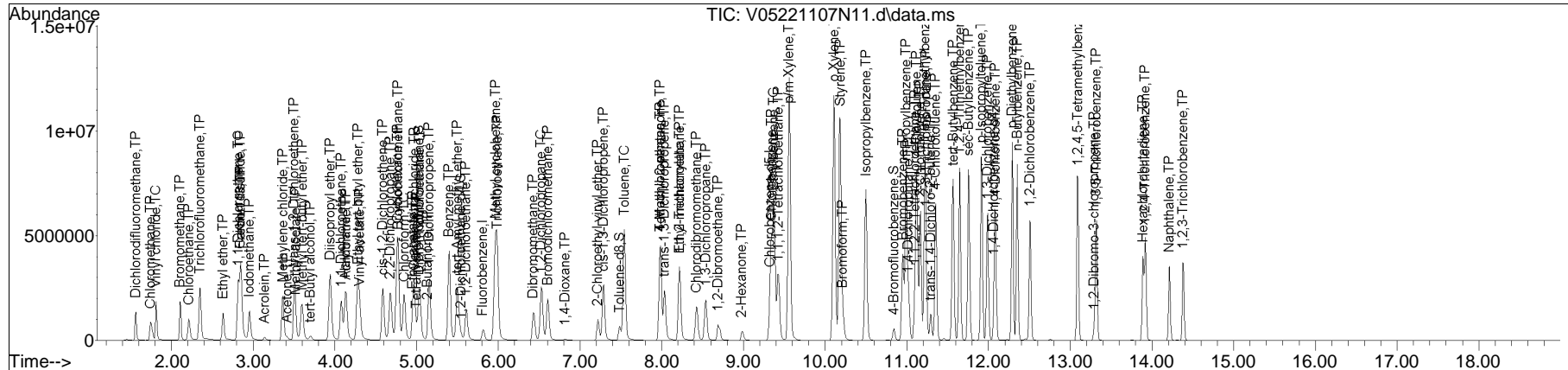
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N11.d
 Acq On : 7 Nov 2022 8:26 pm
 Operator : VOA105:PID
 Sample : I8260STD80PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 06:51:28 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

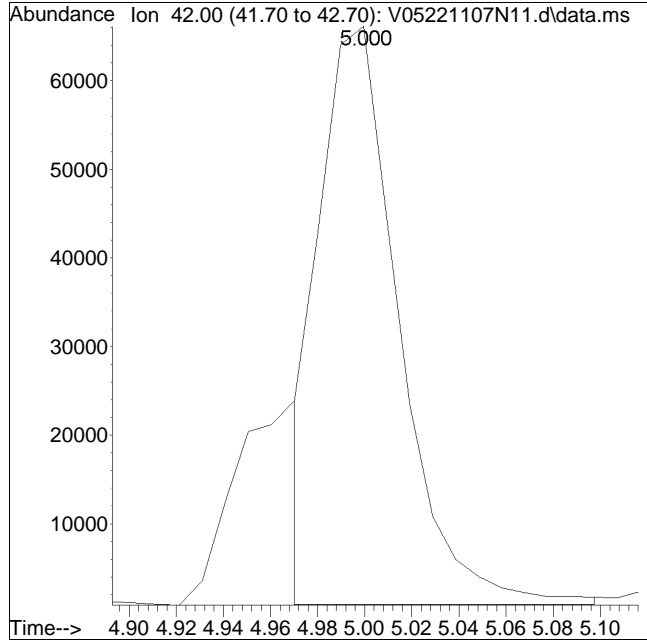
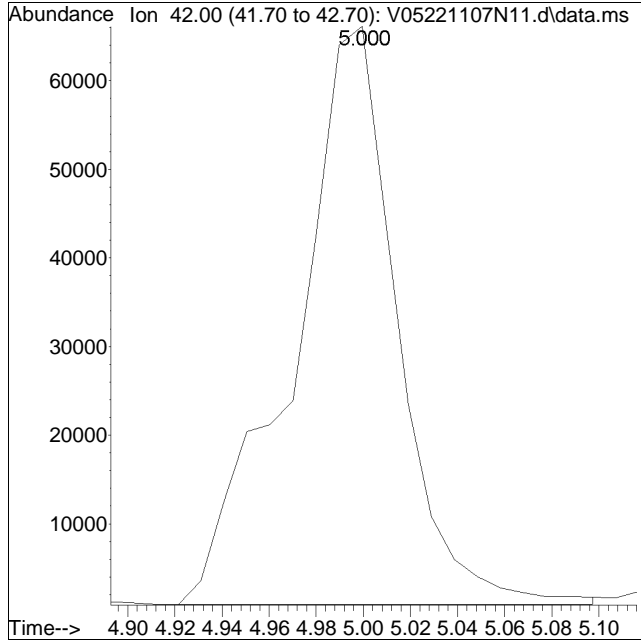
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N11.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:26 pm Instrument : VOA 105
Sample : I8260STD80PPB Quant Date : 11/8/2022 6:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 197756

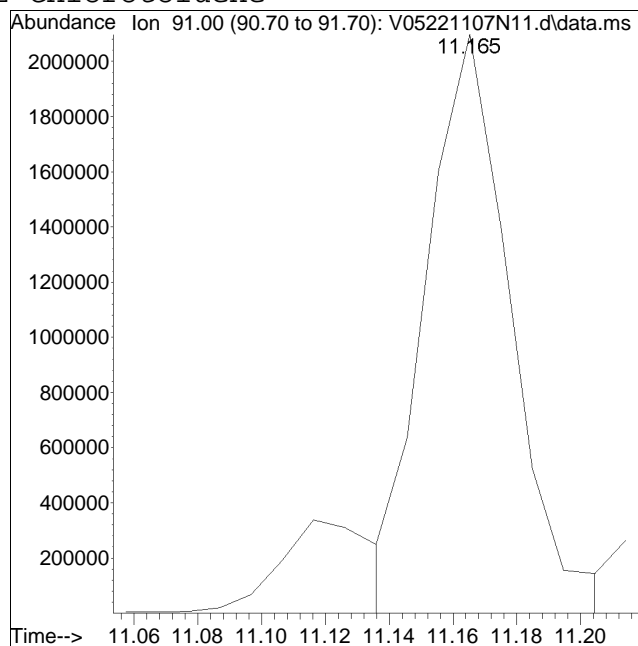
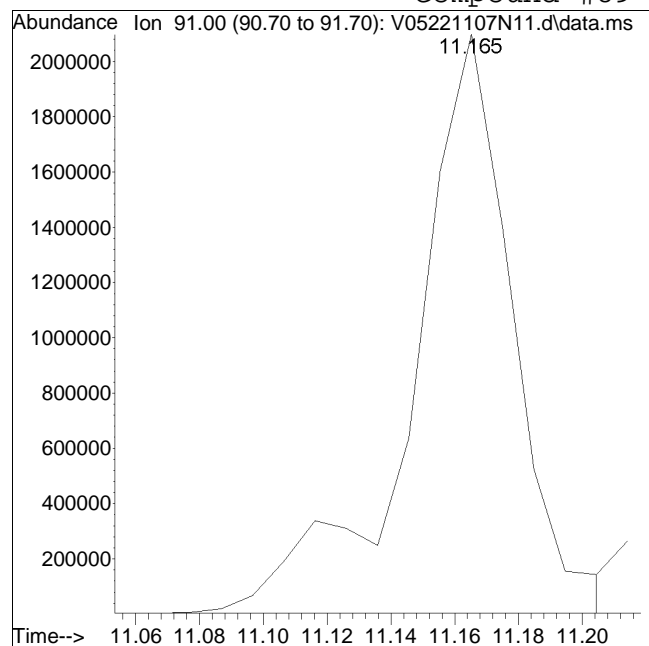
Manual Peak Response = 153007 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N11.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:26 pm Instrument : VOA 105
Sample : I8260STD80PPB Quant Date : 11/8/2022 6:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 4517198

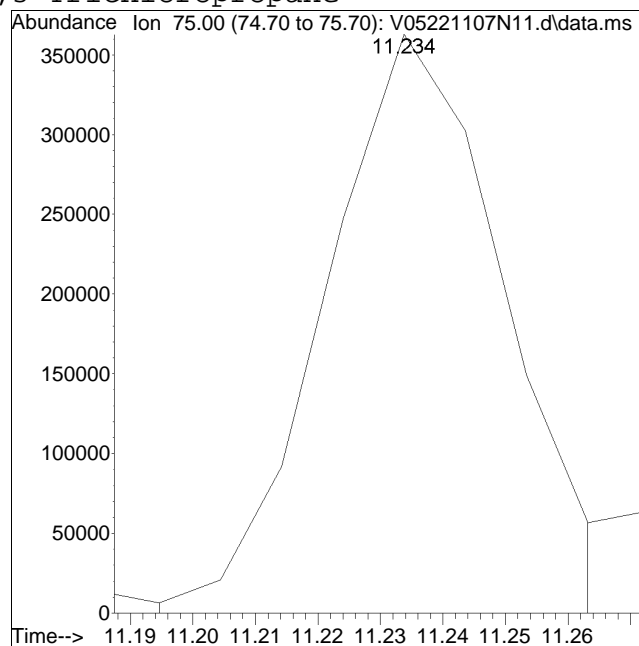
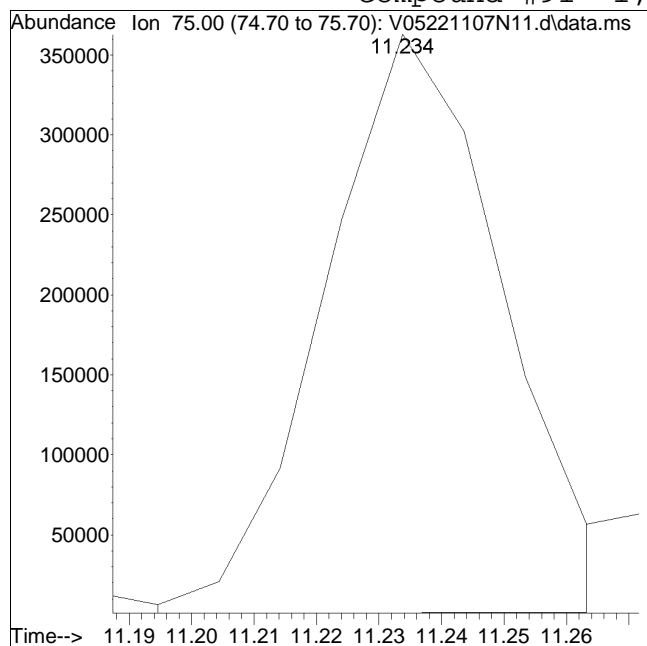
Manual Peak Response = 3853753 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N11.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:26 pm Instrument : VOA 105
Sample : I8260STD80PPB Quant Date : 11/8/2022 6:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 718149

Manual Peak Response = 723342 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N12.d
 Acq On : 7 Nov 2022 8:50 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 08 06:52:29 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 560846 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = 108.94% | | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 461859 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = 109.45% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 258489 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = 104.40% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 153191 | 9.660 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.60% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 165655 | 9.260 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 92.60% | | | | |
| 60) Toluene-d8 | 7.484 | 98 | 560567 | 9.890 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.90% | | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 216577 | 9.915 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 99.15% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.557 | 85 | 1589552 | 117.830 | ug/L | | 98 |
| 3) Chloromethane | 1.743 | 50 | 1874846 | 109.519 | ug/L | | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 2193316 | 124.341 | ug/L | | 95 |
| 5) Bromomethane | 2.105 | 94 | 1389152 | 120.865 | ug/L | | 98 |
| 6) Chloroethane | 2.212 | 64 | 1405368 | 104.587 | ug/L | | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 3143506 | 119.266 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 687094 | 106.551 | ug/L # | | 60 |
| 10) 1,1-Dichloroethene | 2.819 | 96 | 1536495 | 122.722 | ug/L | | 92 |
| 11) Carbon disulfide | 2.848 | 76 | 2885622 | 128.216 | ug/L | | 98 |
| 12) Freon-113 | 2.848 | 101 | 1745664 | 133.958 | ug/L # | | 68 |
| 13) Iodomethane | 2.955 | 142 | 2462694 | 140.093 | ug/L | | 90 |
| 14) Acrolein | 3.141 | 56 | 196180 | 105.690 | ug/L | | 96 |
| 15) Methylene chloride | 3.356 | 84 | 1601532 | 116.645 | ug/L | | 82 |
| 17) Acetone | 3.405 | 43 | 227487 | 119.324 | ug/L # | | 84 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 1701232 | 120.532 | ug/L | | 93 |
| 19) Methyl acetate | 3.513 | 43 | 569711 | 129.402 | ug/L | | 92 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 3129396 | 125.473 | ug/L | | 94 |
| 21) tert-Butyl alcohol | 3.699 | 59 | 359434 | 545.159 | ug/L # | | 80 |
| 22) Diisopropyl ether | 3.943 | 45 | 4829131 | 118.274 | ug/L | | 95 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 3300800 | 117.969 | ug/L | | 96 |
| 24) Halothane | 4.129 | 117 | 1412505 | 135.796 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N12.d
 Acq On : 7 Nov 2022 8:50 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 08 06:52:29 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 25) Acrylonitrile | 4.129 | 53 | 331304 | 122.630 | ug/L | # 88 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 4917769 | 125.241 | ug/L | 92 |
| 27) Vinyl acetate | 4.305 | 43 | 2766401 | 159.821 | ug/L | 99 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 1875073 | 117.609 | ug/L | 95 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 2719058 | 118.459 | ug/L | 98 |
| 30) Bromochloromethane | 4.775 | 128 | 865973 | 131.050 | ug/L | 90 |
| 31) Cyclohexane | 4.765 | 56 | 3514425 | 119.873 | ug/L | 77 |
| 32) Chloroform | 4.843 | 83 | 2952685 | 118.622 | ug/L | 96 |
| 33) Ethyl acetate | 4.951 | 43 | 921704 | 129.257 | ug/L | 96 |
| 34) Carbon tetrachloride | 4.970 | 117 | 2777059 | 133.987 | ug/L | 98 |
| 35) Tetrahydrofuran | 4.990 | 42 | 244316M6 | 92.356 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 2794709 | 120.301 | ug/L | 96 |
| 39) 2-Butanone | 5.137 | 43 | 373571 | 139.739 | ug/L | # 80 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 2366536 | 129.078 | ug/L | 95 |
| 41) Benzene | 5.401 | 78 | 6674261 | 128.895 | ug/L | 96 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 3881549 | 126.850 | ug/L | 91 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 2183485 | 113.914 | ug/L | 97 |
| 47) Methyl cyclohexane | 5.968 | 83 | 3277061 | 132.170 | ug/L | # 82 |
| 48) Trichloroethene | 5.988 | 95 | 1863985 | 100.744 | ug/L | 92 |
| 50) Dibromomethane | 6.428 | 93 | 945349 | 121.473 | ug/L | 92 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 1858952 | 123.894 | ug/L | # 87 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 862301 | 132.616 | ug/L | 90 |
| 54) Bromodichloromethane | 6.604 | 83 | 2286656 | 120.549 | ug/L | 98 |
| 57) 1,4-Dioxane | 6.819 | 88 | 74881 | 1241.758 | ug/L | 90 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 2756480 | 130.041 | ug/L | 98 |
| 61) Toluene | 7.543 | 92 | 4345887 | 126.640 | ug/L | 100 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 373493 | 111.704 | ug/L | # 86 |
| 63) Tetrachloroethene | 7.983 | 166 | 2220432 | 141.597 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 8.032 | 75 | 2366880 | 132.224 | ug/L | 95 |
| 67) Ethyl methacrylate | 8.218 | 69 | 1477839 | 120.986 | ug/L | 94 |
| 68) 1,1,2-Trichloroethane | 8.218 | 83 | 1025211 | 117.112 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.423 | 129 | 1785415 | 138.134 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 2175053 | 127.698 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 776086 | 111.992 | ug/L | 100 |
| 72) 2-Hexanone | 8.981 | 43 | 554501 | 120.047 | ug/L | 90 |
| 73) Chlorobenzene | 9.343 | 112 | 4952303 | 126.201 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 8554742 | 122.626 | ug/L | 92 |
| 75) 1,1,1,2-Tetrachloroethane | 9.431 | 131 | 1860099 | 136.884 | ug/L | 97 |
| 76) p/m Xylene | 9.559 | 106 | 7044148 | 260.645 | ug/L | 81 |
| 77) o Xylene | 10.107 | 106 | 6523398 | 258.718 | ug/L | 81 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N12.d
 Acq On : 7 Nov 2022 8:50 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 08 06:52:29 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.186 | 104 | 10422266 | 260.831 | ug/L | 90 |
| 80) Bromoform | 10.215 | 173 | 1127584 | 150.980 | ug/L | 96 |
| 82) Isopropylbenzene | 10.499 | 105 | 9044962 | 129.632 | ug/L | 93 |
| 84) Bromobenzene | 10.950 | 156 | 2217604 | 133.013 | ug/L | 100 |
| 85) n-Propylbenzene | 10.989 | 91 | 10383822 | 128.077 | ug/L | 92 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 2009116 | 115.114 | ug/L | 91 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 1395293 | 122.059 | ug/L | 98 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 8708387 | 130.145 | ug/L | 94 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 5885514M6 | 127.076 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 7396333 | 124.034 | ug/L | 93 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 1098443M1 | 114.728 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 405845 | 111.569 | ug/L # | 54 |
| 93) 4-Chlorotoluene | 11.352 | 91 | 6117894 | 122.755 | ug/L | 89 |
| 94) tert-Butylbenzene | 11.567 | 119 | 6702943 | 130.438 | ug/L | 95 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 7236171 | 125.756 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 9359483 | 126.866 | ug/L | 94 |
| 99) p-Isopropyltoluene | 11.920 | 119 | 8210879 | 128.642 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 4151567 | 128.525 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 4120366 | 122.850 | ug/L | 96 |
| 102) p-Diethylbenzene | 12.292 | 119 | 4845368 | 133.229 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 6704590 | 129.879 | ug/L | 97 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 3664678 | 124.731 | ug/L | 96 |
| 105) 1,2,4,5-Tetramethylben... | 13.095 | 119 | 6748409 | 130.447 | ug/L | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 234129 | 144.140 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 2683897 | 133.278 | ug/L | 97 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 1035999 | 147.218 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 2170133 | 135.823 | ug/L | 99 |
| 110) Naphthalene | 14.212 | 128 | 3912659 | 123.591 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 1686590 | 130.549 | ug/L | 99 |

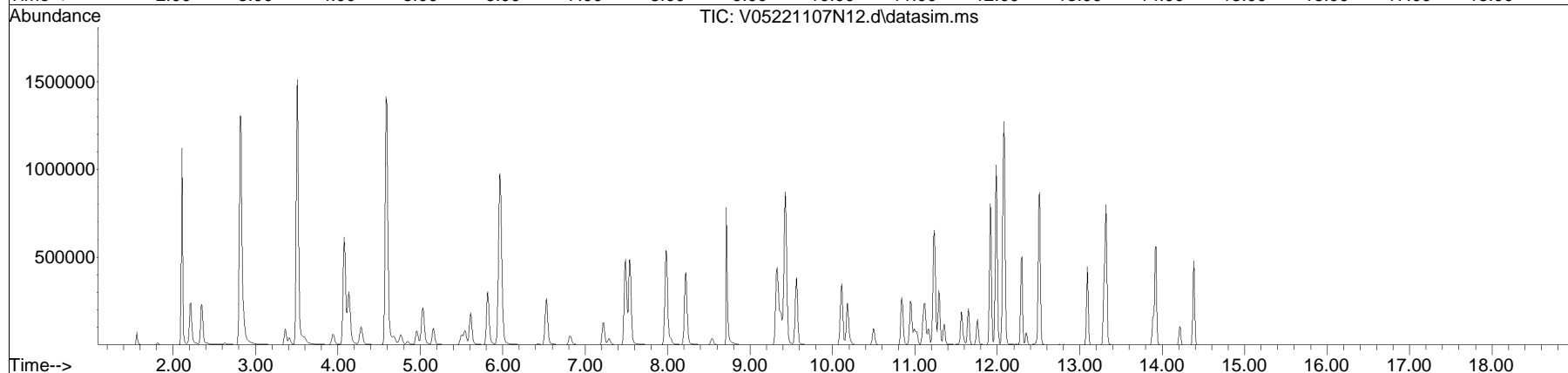
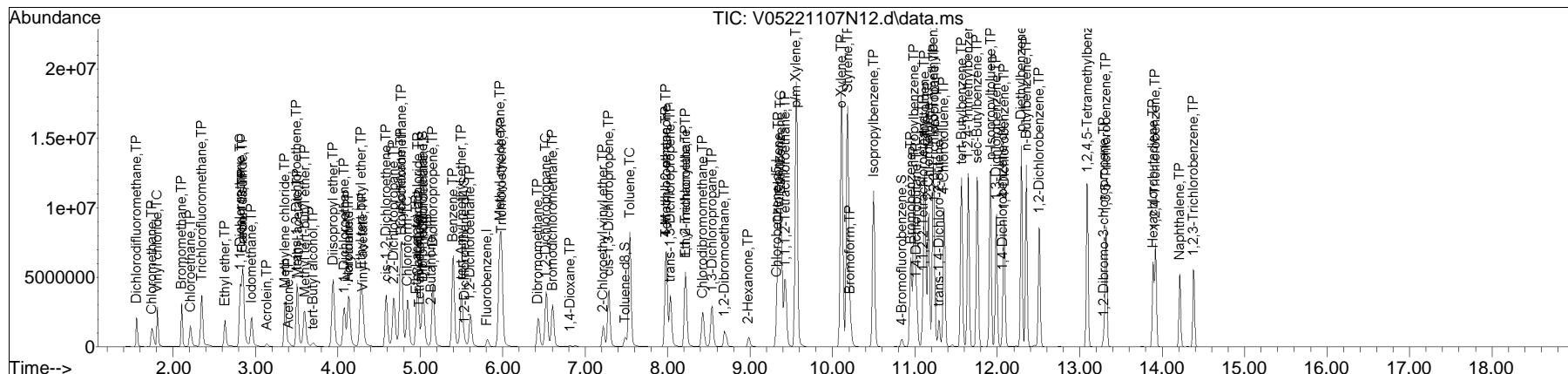
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N12.d
 Acq On : 7 Nov 2022 8:50 pm
 Operator : VOA105:PID
 Sample : I8260STD120PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 08 06:52:29 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

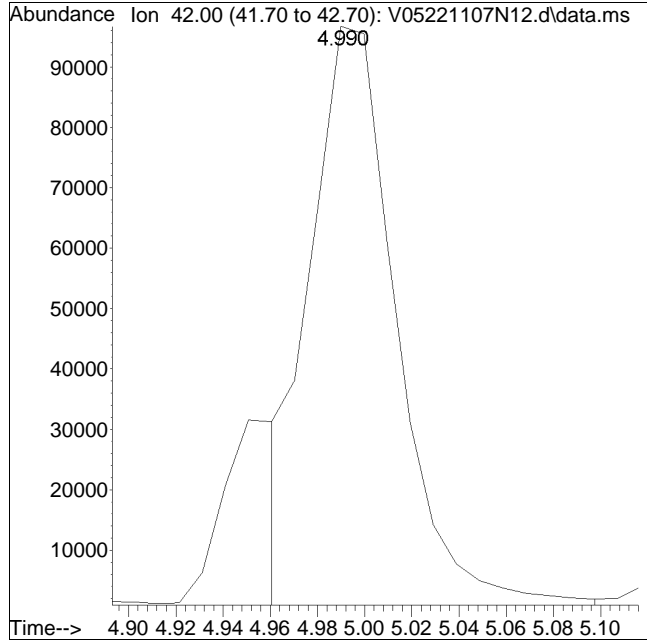
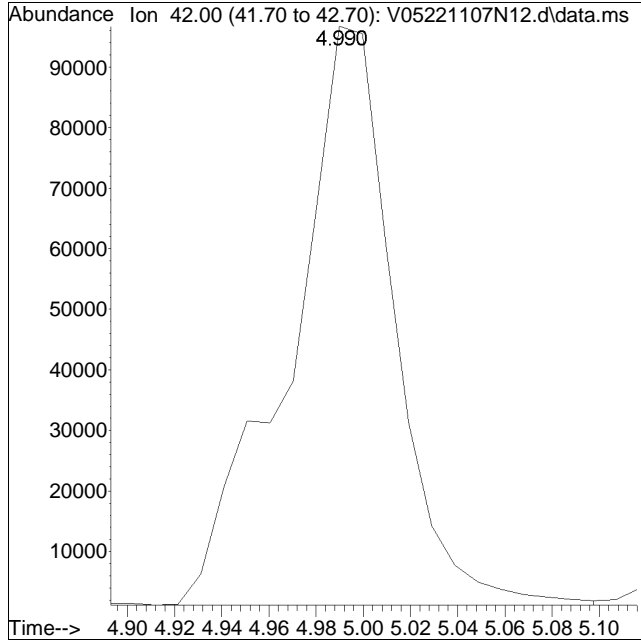
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N12.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:50 pm Instrument : VOA 105
Sample : I8260STD120PPB Quant Date : 11/8/2022 6:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 292240

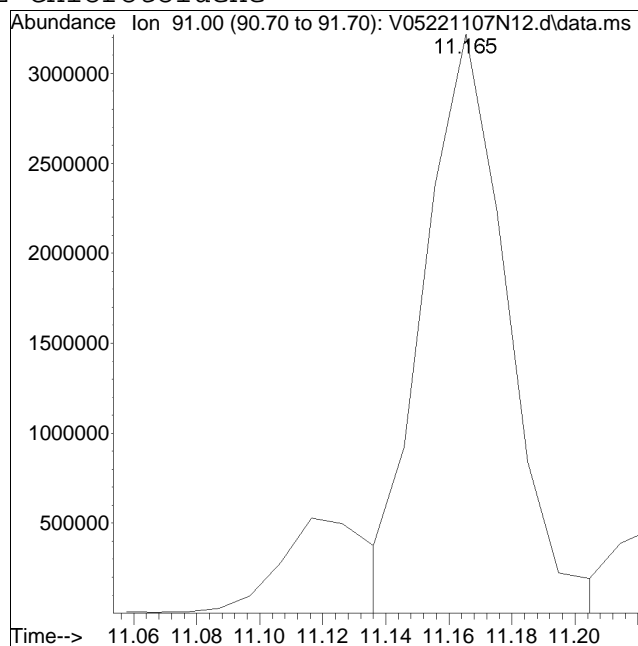
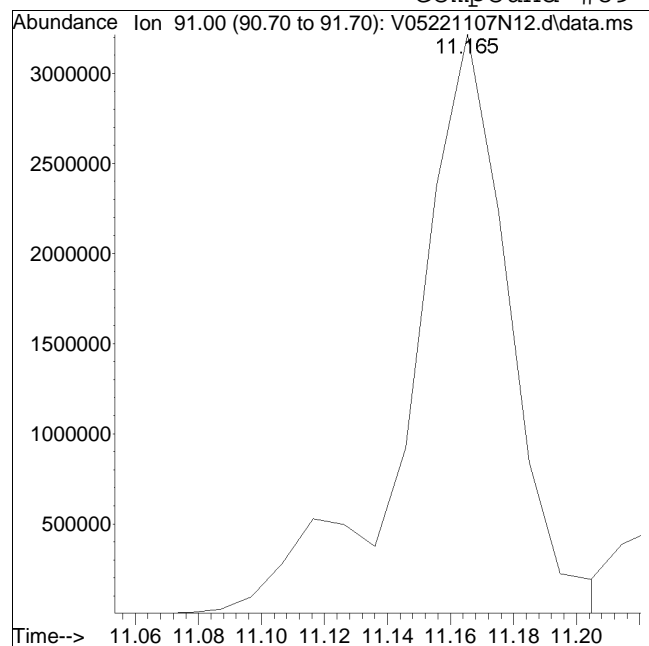
Manual Peak Response = 244316 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N12.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:50 pm Instrument : VOA 105
Sample : I8260STD120PPB Quant Date : 11/8/2022 6:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 6909727

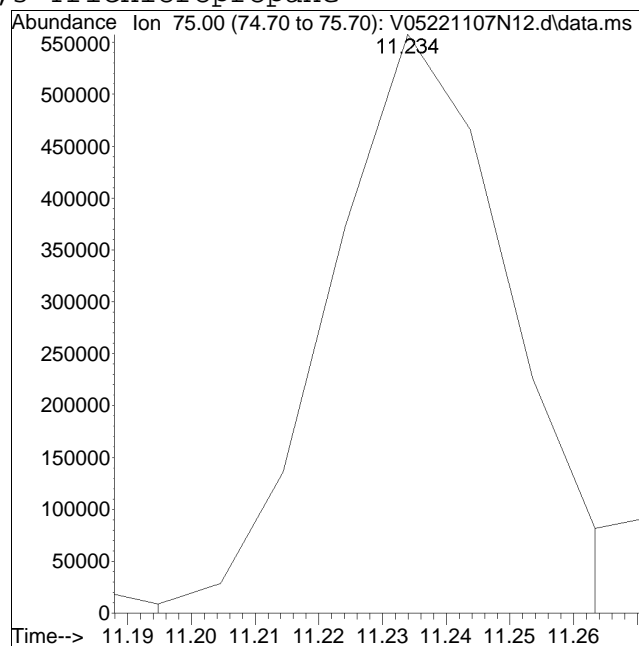
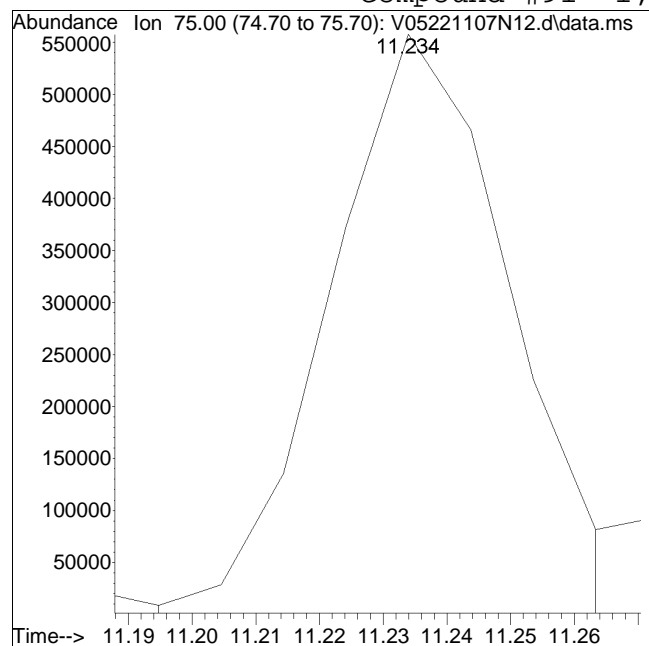
Manual Peak Response = 5885514 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N12.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 8:50 pm Instrument : VOA 105
Sample : I8260STD120PPB Quant Date : 11/8/2022 6:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1092107

Manual Peak Response = 1098443 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N13.d
 Acq On : 7 Nov 2022 9:13 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 08 06:53:34 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 567533 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = 110.24% | | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 469652 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = 111.30% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 255179 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = 103.06% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 155365 | 9.681 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 96.81% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 170734 | 9.432 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 94.32% | | | | |
| 60) Toluene-d8 | 7.484 | 98 | 569980 | 9.889 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.89% | | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 211897 | 9.826 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 98.26% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.557 | 85 | 2649758 | 194.107 | ug/L | | 98 |
| 3) Chloromethane | 1.743 | 50 | 3101665 | 179.048 | ug/L | | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 3666443 | 205.405 | ug/L | | 95 |
| 5) Bromomethane | 2.104 | 94 | 2338165 | 201.038 | ug/L | | 98 |
| 6) Chloroethane | 2.202 | 64 | 2250685 | 165.521 | ug/L | | 94 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 5209672 | 195.328 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 1123433 | 172.164 | ug/L # | | 62 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 2607020 | 205.773 | ug/L | | 93 |
| 11) Carbon disulfide | 2.848 | 76 | 4901141 | 215.205 | ug/L | | 98 |
| 12) Freon-113 | 2.848 | 101 | 2954416 | 224.044 | ug/L # | | 68 |
| 13) Iodomethane | 2.955 | 142 | 4072872 | 228.960 | ug/L | | 90 |
| 14) Acrolein | 3.141 | 56 | 316215 | 168.350 | ug/L | | 97 |
| 15) Methylene chloride | 3.356 | 84 | 2695668 | 194.021 | ug/L | | 83 |
| 17) Acetone | 3.405 | 43 | 380313 | 197.136 | ug/L # | | 84 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 2852969 | 199.751 | ug/L | | 92 |
| 19) Methyl acetate | 3.513 | 43 | 966949 | 217.041 | ug/L | | 92 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 5221029 | 206.871 | ug/L | | 94 |
| 21) tert-Butyl alcohol | 3.699 | 59 | 596699 | 894.359 | ug/L # | | 75 |
| 22) Diisopropyl ether | 3.943 | 45 | 8117967 | 196.481 | ug/L | | 96 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 5497439 | 194.161 | ug/L | | 97 |
| 24) Halothane | 4.129 | 117 | 2377557 | 225.881 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N13.d
 Acq On : 7 Nov 2022 9:13 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 08 06:53:34 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 25) Acrylonitrile | 4.129 | 53 | 550641 | 201.414 | ug/L | # 88 |
| 26) Ethyl tert-butyl ether | 4.286 | 59 | 8203259 | 206.450 | ug/L | 93 |
| 27) Vinyl acetate | 4.305 | 43 | 3973153 | 226.832 | ug/L | 98 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 3130484 | 194.037 | ug/L | 95 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 4522365 | 194.701 | ug/L | 99 |
| 30) Bromochloromethane | 4.775 | 128 | 1429904 | 213.842 | ug/L | 88 |
| 31) Cyclohexane | 4.765 | 56 | 6028503 | 203.202 | ug/L | 76 |
| 32) Chloroform | 4.853 | 83 | 4941833 | 196.196 | ug/L | 96 |
| 33) Ethyl acetate | 4.951 | 43 | 1550190 | 214.833 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.970 | 117 | 4807936 | 229.240 | ug/L | 98 |
| 35) Tetrahydrofuran | 4.990 | 42 | 404522M6 | 151.115 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 4680101 | 199.087 | ug/L | 96 |
| 39) 2-Butanone | 5.136 | 43 | 628306 | 232.256 | ug/L | # 81 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 3996217 | 215.397 | ug/L | 95 |
| 41) Benzene | 5.401 | 78 | 11142222 | 212.645 | ug/L | 95 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 6476267 | 209.153 | ug/L | 91 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 3613720 | 186.308 | ug/L | 97 |
| 47) Methyl cyclohexane | 5.968 | 83 | 5555483 | 221.423 | ug/L | # 79 |
| 48) Trichloroethene | 5.987 | 95 | 3263958 | 174.331 | ug/L | 93 |
| 50) Dibromomethane | 6.428 | 93 | 1588346 | 201.690 | ug/L | 92 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 3129993 | 206.147 | ug/L | # 87 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 1431055 | 217.494 | ug/L | 89 |
| 54) Bromodichloromethane | 6.604 | 83 | 3839541 | 200.030 | ug/L | 97 |
| 57) 1,4-Dioxane | 6.819 | 88 | 122477 | 2007.116 | ug/L | 89 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 4601839 | 214.541 | ug/L | 97 |
| 61) Toluene | 7.543 | 92 | 7306021 | 209.367 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 629629 | 185.185 | ug/L | # 87 |
| 63) Tetrachloroethene | 7.983 | 166 | 3718487 | 233.193 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 8.032 | 75 | 3917568 | 215.221 | ug/L | 94 |
| 67) Ethyl methacrylate | 8.217 | 69 | 2431651 | 195.768 | ug/L | 95 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 1724947 | 193.774 | ug/L | 98 |
| 69) Chlorodibromomethane | 8.433 | 129 | 2973600 | 226.244 | ug/L | 99 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 3608712 | 208.353 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 1230742 | 174.653 | ug/L | 100 |
| 72) 2-Hexanone | 8.981 | 43 | 893532 | 190.237 | ug/L | 90 |
| 73) Chlorobenzene | 9.343 | 112 | 8268478 | 207.212 | ug/L | 91 |
| 74) Ethylbenzene | 9.373 | 91 | 13980259 | 197.071 | ug/L | 90 |
| 75) 1,1,1,2-Tetrachloroethane | 9.431 | 131 | 3045061 | 220.367 | ug/L | 97 |
| 76) p/m Xylene | 9.569 | 106 | 11590751 | 421.761 | ug/L | # 71 |
| 77) o Xylene | 10.117 | 106 | 10850507 | 423.191 | ug/L | 72 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N13.d
 Acq On : 7 Nov 2022 9:13 pm
 Operator : VOA105:PID
 Sample : I8260STD200PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 08 06:53:34 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:48:34 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|-----------|---------|--------|----------|
| 78) Styrene | 10.186 | 104 | 16465942 | 405.244 | ug/L | 93 |
| 80) Bromoform | 10.215 | 173 | 1842766 | 249.941 | ug/L | 97 |
| 82) Isopropylbenzene | 10.499 | 105 | 14428175 | 209.467 | ug/L | 91 |
| 84) Bromobenzene | 10.950 | 156 | 3618690 | 219.867 | ug/L | 100 |
| 85) n-Propylbenzene | 10.999 | 91 | 16109470 | 201.276 | ug/L # | 89 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 3318590 | 192.609 | ug/L | 92 |
| 87) 1,1,2,2-Tetrachloroethane | 11.107 | 83 | 2231816 | 197.770 | ug/L | 99 |
| 88) 4-Ethyltoluene | 11.126 | 105 | 13794196 | 208.825 | ug/L | 91 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 9633138M6 | 210.689 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 11838587 | 201.104 | ug/L | 91 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 1878190M1 | 198.714 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 677994M4 | 188.802 | ug/L | |
| 93) 4-Chlorotoluene | 11.361 | 91 | 9909225 | 201.407 | ug/L | 89 |
| 94) tert-Butylbenzene | 11.567 | 119 | 10784982 | 212.597 | ug/L | 92 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 11488071 | 202.238 | ug/L | 91 |
| 98) sec-Butylbenzene | 11.763 | 105 | 14606536 | 200.557 | ug/L | 91 |
| 99) p-Isopropyltoluene | 11.920 | 119 | 12846695 | 203.884 | ug/L | 95 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 6692942 | 209.889 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 6611419 | 199.678 | ug/L | 97 |
| 102) p-Diethylbenzene | 12.292 | 119 | 7939568 | 221.139 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 10676625 | 209.506 | ug/L # | 95 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 5870695 | 202.407 | ug/L | 97 |
| 105) 1,2,4,5-Tetramethylben... | 13.095 | 119 | 10635686 | 208.256 | ug/L | 92 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 371631 | 231.760 | ug/L | 97 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 4262440 | 214.412 | ug/L | 98 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 1673412 | 240.881 | ug/L | 100 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 3391944 | 215.047 | ug/L | 98 |
| 110) Naphthalene | 14.212 | 128 | 6131439 | 196.189 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 2653323 | 208.043 | ug/L | 99 |

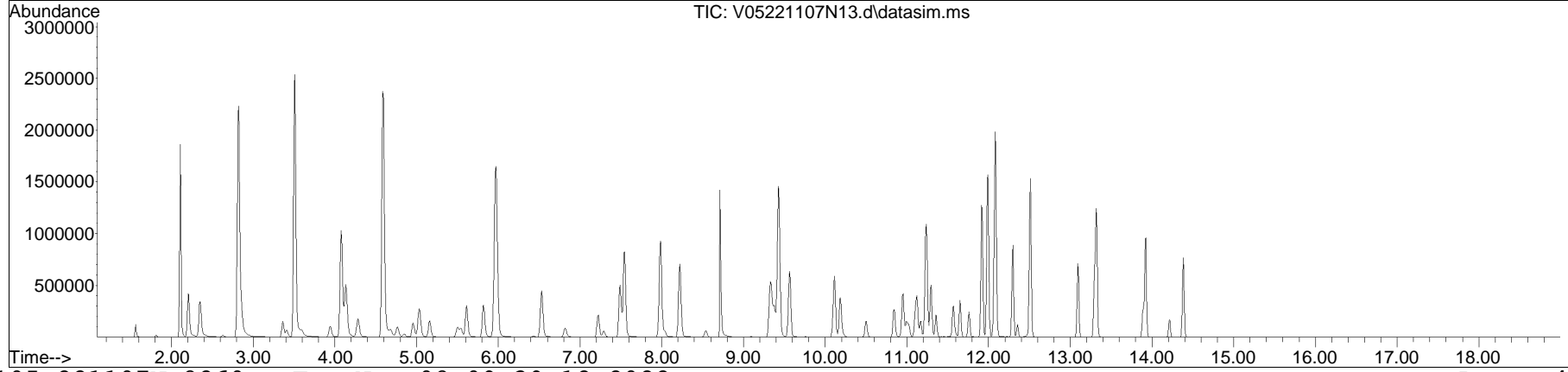
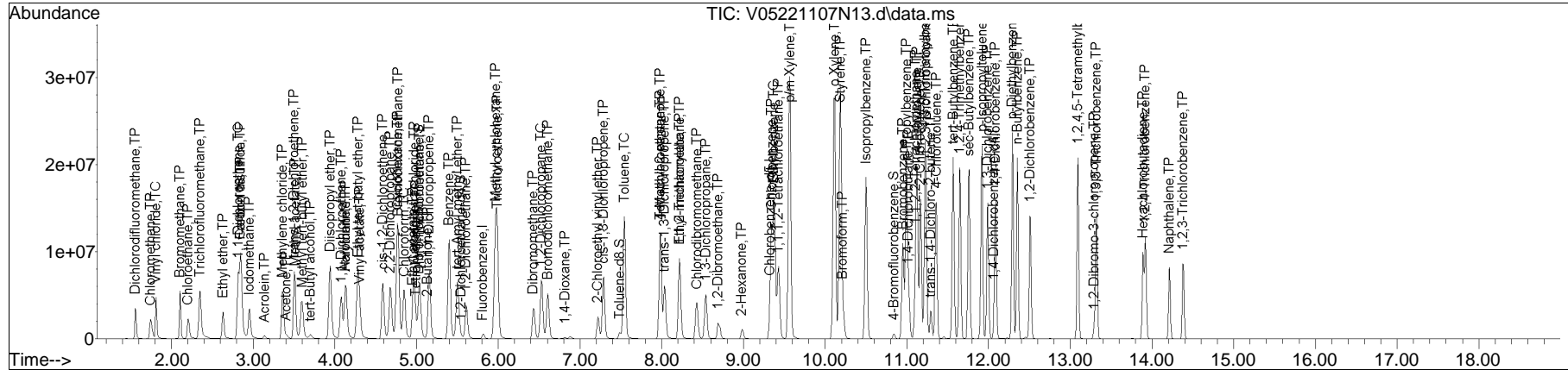
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
Data File : V05221107N13.d
Acq On : 7 Nov 2022 9:13 pm
Operator : VOA105:PID
Sample : I8260STD200PPB
Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 08 06:53:34 2022
Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:48:34 2022
Response via : Initial Calibration

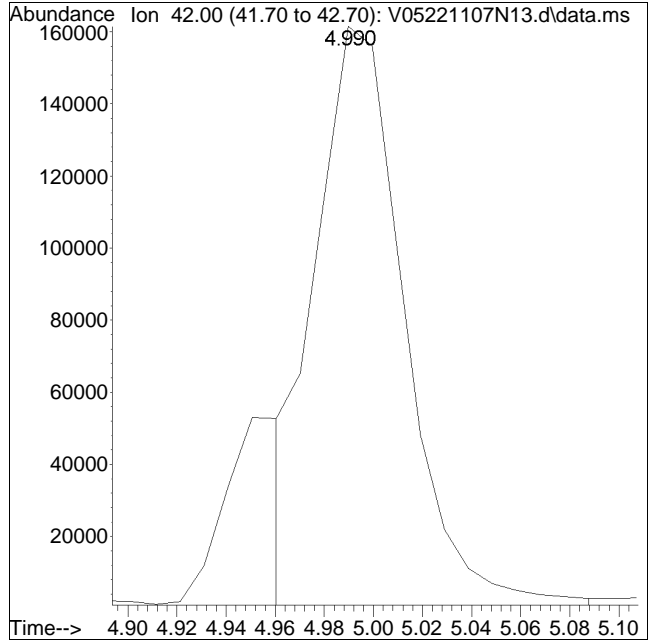
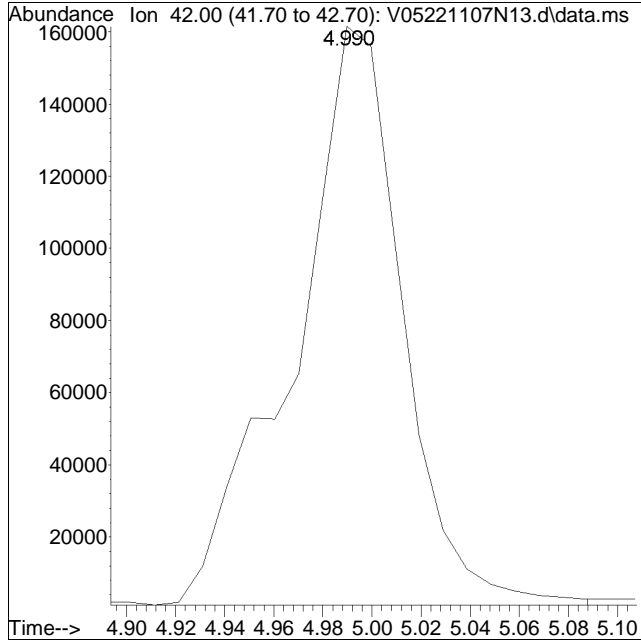
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N13.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 9:13 pm Instrument : VOA 105
Sample : I8260STD200PPB Quant Date : 11/8/2022 6:49 am

Compound #35: Tetrahydrofuran



Original Peak Response = 489694

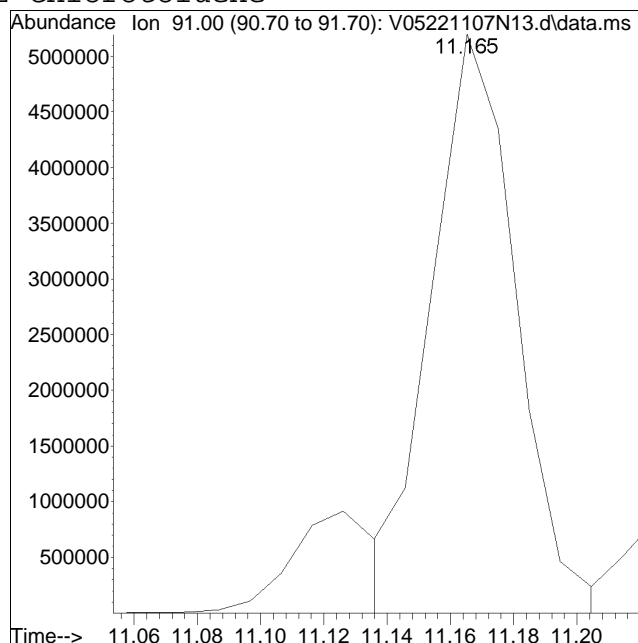
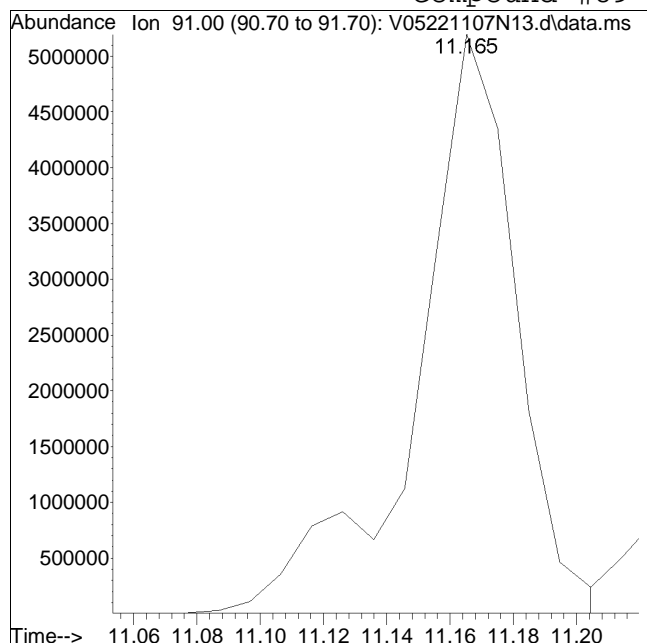
Manual Peak Response = 404522 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N13.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 9:13 pm Instrument : VOA 105
Sample : I8260STD200PPB Quant Date : 11/8/2022 6:49 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 11273262

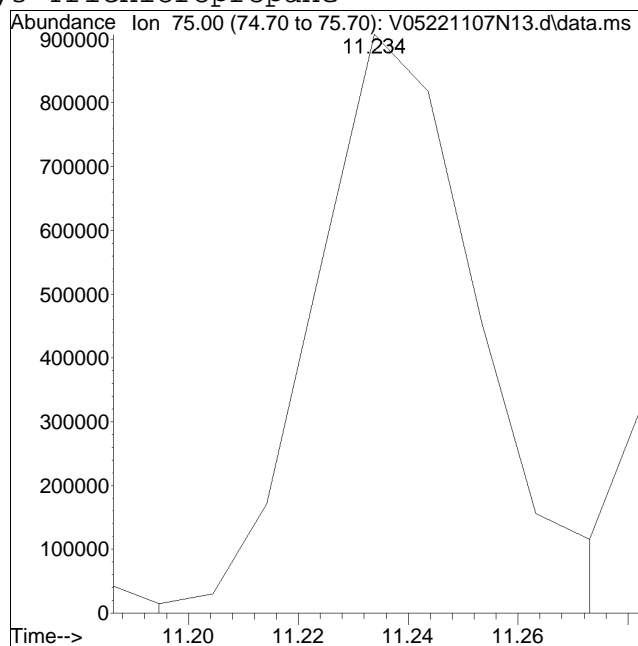
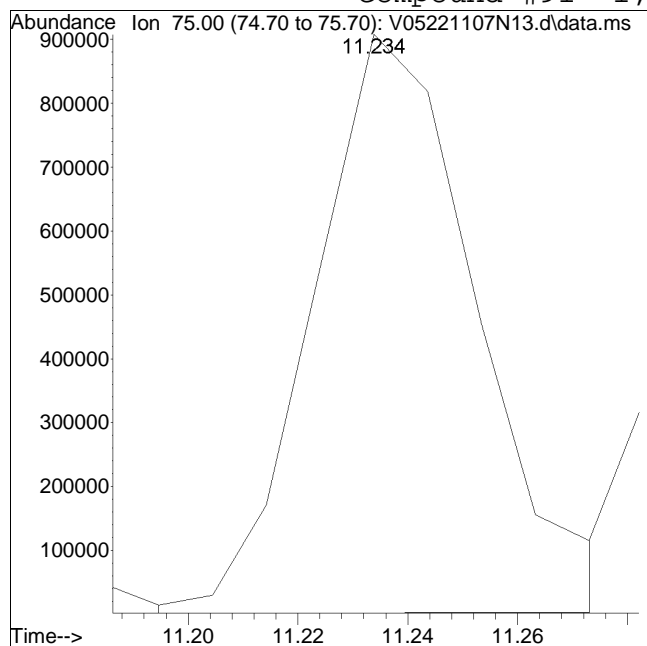
Manual Peak Response = 9633138 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N13.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 9:13 pm Instrument : VOA 105
Sample : I8260STD200PPB Quant Date : 11/8/2022 6:49 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1865636

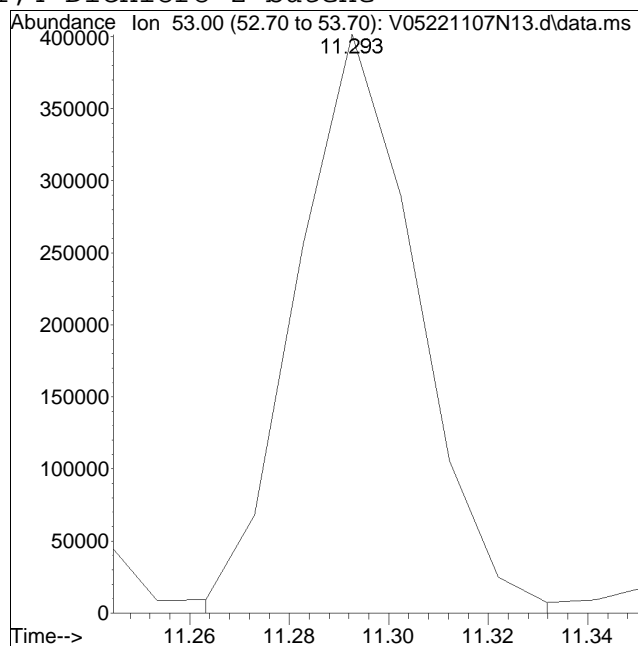
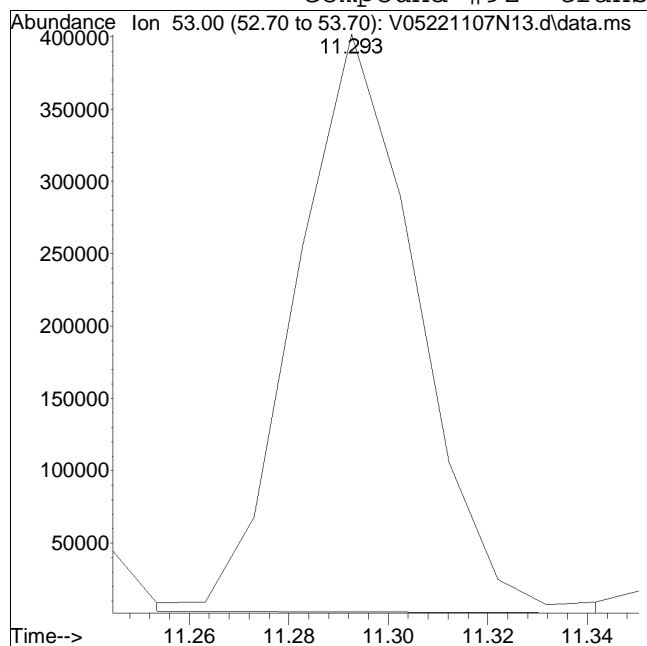
Manual Peak Response = 1878190 M1

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\20Method : V105_221107N_8260.m
Data File : V05221107N13.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 9:13 pm Instrument : VOA 105
Sample : I8260STD200PPB Quant Date : 11/8/2022 6:49 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 676499

Manual Peak Response = 677994 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 93 | 0.00 |
| 2 TP Dichlorodifluoromethane | 0.239 | 0.296 | -23.8# | 108 | 0.00 |
| 3 TP Chloromethane | 0.292 | 0.338 | -15.8 | 102 | 0.00 |
| 4 TC Vinyl chloride | 0.320 | 0.351 | -9.7 | 95 | 0.00 |
| 5 TP Bromomethane | 0.204 | 0.227 | -11.3 | 107 | 0.00 |
| 6 TP Chloroethane | 0.224 | 0.225 | -0.4 | 87 | 0.00 |
| 7 TP Trichlorofluoromethane | 0.472 | 0.501 | -6.1 | 91 | 0.00 |
| 8 TP Ethyl ether | 0.108 | 0.127 | -17.6 | 104 | 0.00 |
| 10 TC 1,1-Dichloroethene | 0.223 | 0.210 | 5.8 | 87 | 0.00 |
| 11 TP Carbon disulfide | 0.412 | 0.668 | -62.1# | 150 | 0.00 |
| 12 TP Freon-113 | 0.246 | 0.244 | 0.8 | 88 | 0.00 |
| 13 TP Iodomethane | 0.337 | 0.333 | 1.2 | 91 | 0.00 |
| 14 TP Acrolein | 0.030 | 0.014 | 53.3# | 45# | 0.00 |
| 15 TP Methylene chloride | 0.240 | 0.227 | 5.4 | 88 | 0.00 |
| 17 TP Acetone | 0.034 | 0.027 | 20.6# | 78 | 0.00 |
| 18 TP trans-1,2-Dichloroethene | 0.251 | 0.236 | 6.0 | 88 | 0.00 |
| 19 TP Methyl acetate | 0.084 | 0.072 | 14.3 | 80 | 0.00 |
| 20 TP Methyl tert-butyl ether | 0.455 | 0.444 | 2.4 | 90 | 0.00 |
| 21 TP tert-Butyl alcohol | 0.01140 | 0.00815# | 28.5# | 67 | 0.00 |
| 22 TP Diisopropyl ether | 0.726 | 0.663 | 8.7 | 83 | 0.00 |
| 23 TP 1,1-Dichloroethane | 0.495 | 0.488 | 1.4 | 89 | 0.00 |
| 24 TP Halothane | 0.198 | 0.198 | 0.0 | 91 | 0.00 |
| 25 TP Acrylonitrile | 0.049 | 0.046 | 6.1 | 88 | 0.00 |
| 26 TP Ethyl tert-butyl ether | 0.719 | 0.640 | 11.0 | 81 | 0.00 |
| 27 TP Vinyl acetate | 0.357 | 0.272 | 23.8# | 71 | 0.00 |
| 28 TP cis-1,2-Dichloroethene | 0.281 | 0.262 | 6.8 | 85 | 0.00 |
| 29 TP 2,2-Dichloropropane | 0.406 | 0.371 | 8.6 | 81 | 0.00 |
| 30 TP Bromochloromethane | 0.124 | 0.118 | 4.8 | 84 | 0.00 |
| 31 TP Cyclohexane | 0.525 | 0.501 | 4.6 | 84 | 0.00 |
| 32 TC Chloroform | 0.441 | 0.433 | 1.8 | 89 | 0.00 |
| 33 TP Ethyl acetate | 0.134 | 0.113 | 15.7 | 79 | 0.00 |
| 34 TP Carbon tetrachloride | 0.395 | 0.386 | 2.3 | 87 | 0.00 |
| 35 TP Tetrahydrofuran | * 10.000 | 8.013 | 19.9 | 78 | 0.00 |
| 36 S Dibromofluoromethane | 0.279 | 0.272 | 2.5 | 92 | 0.00 |
| 37 TP 1,1,1-Trichloroethane | 0.415 | 0.419 | -1.0 | 91 | 0.00 |
| 39 TP 2-Butanone | 0.053 | 0.045 | 15.1 | 80 | 0.00 |
| 40 TP 1,1-Dichloropropene | 0.341 | 0.339 | 0.6 | 90 | 0.00 |
| 41 TP Benzene | 0.948 | 0.915 | 3.5 | 86 | 0.00 |
| 42 TP tert-Amyl methyl ether | 0.561 | 0.480 | 14.4 | 80 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 0.309 | 0.312 | -1.0 | 89 | 0.00 |
| 44 TP 1,2-Dichloroethane | 0.333 | 0.314 | 5.7 | 84 | 0.00 |
| 47 TP Methyl cyclohexane | 0.468 | 0.443 | 5.3 | 85 | 0.00 |
| 48 TP Trichloroethene | 0.292 | 0.265 | 9.2 | 88 | 0.00 |
| 50 TP Dibromomethane | 0.140 | 0.129 | 7.9 | 83 | 0.00 |
| 51 TC 1,2-Dichloropropane | 0.273 | 0.261 | 4.4 | 85 | 0.00 |
| 53 TP 2-Chloroethyl vinyl ether | 0.123 | 0.119 | 3.3 | 86 | 0.00 |
| 54 TP Bromodichloromethane | 0.338 | 0.317 | 6.2 | 86 | 0.00 |
| 57 TP 1,4-Dioxane | 0.00112 | 0.00076# | 32.1# | 61 | 0.00 |
| 58 TP cis-1,3-Dichloropropene | 0.395 | 0.369 | 6.6 | 85 | 0.00 |
| 59 I Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 60 S Toluene-d8 | 1.220 | 1.233 | -1.1 | 94 | 0.00 |
| 61 TC Toluene | 0.765 | 0.744 | 2.7 | 88 | 0.00 |
| 62 TP 4-Methyl-2-pentanone | 0.070 | 0.061 | 12.9 | 82 | 0.00 |
| 63 TP Tetrachloroethene | 0.372 | 0.367 | 1.3 | 90 | 0.00 |
| 65 TP trans-1,3-Dichloropropene | 0.408 | 0.384 | 5.9 | 85 | 0.00 |
| 67 TP Ethyl methacrylate | 0.265 | 0.248 | 6.4 | 86 | 0.00 |
| 68 TP 1,1,2-Trichloroethane | 0.187 | 0.172# | 8.0 | 84 | 0.00 |
| 69 TP Chlorodibromomethane | 0.302 | 0.287 | 5.0 | 88 | 0.00 |
| 70 TP 1,3-Dichloropropane | 0.381 | 0.357 | 6.3 | 84 | 0.00 |
| 71 TP 1,2-Dibromoethane | 0.144 | 0.136# | 5.6 | 84 | 0.03 |
| 72 TP 2-Hexanone | 0.101 | 0.089 | 11.9 | 79 | 0.00 |
| 73 TP Chlorobenzene | 0.873 | 0.866 | 0.8 | 89 | 0.00 |
| 74 TC Ethylbenzene | 1.524 | 1.507 | 1.1 | 88 | 0.00 |
| 75 TP 1,1,1,2-Tetrachloroethane | 0.316 | 0.309 | 2.2 | 89 | 0.00 |
| 76 TP p/m Xylene | 0.608 | 0.593 | 2.5 | 87 | 0.00 |
| 77 TP o Xylene | 0.566 | 0.581 | -2.7 | 92 | 0.00 |
| 78 TP Styrene | 0.898 | 0.937 | -4.3 | 92 | 0.00 |
| 79 I 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 80 TP Bromoform | 0.329 | 0.311 | 5.5 | 88 | 0.00 |
| 82 TP Isopropylbenzene | 2.793 | 2.787 | 0.2 | 88 | 0.00 |
| 83 S 4-Bromofluorobenzene | 0.833 | 0.827 | 0.7 | 92 | 0.00 |
| 84 TP Bromobenzene | 0.679 | 0.663 | 2.4 | 89 | 0.00 |
| 85 TP n-Propylbenzene | 3.213 | 3.213 | 0.0 | 88 | 0.00 |
| 86 TP 1,4-Dichlorobutane | 0.657 | 0.697 | -6.1 | 96 | 0.00 |
| 87 TP 1,1,2,2-Tetrachloroethane | 0.440 | 0.371 | 15.7 | 78 | 0.00 |
| 88 TP 4-Ethyltoluene | 2.675 | 2.829 | -5.8 | 93 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 1.836 | 1.800 | 2.0 | 90 | 0.00 |
| 90 TP | 1,3,5-Trimethylbenzene | 2.332 | 2.319 | 0.6 | 88 | 0.00 |
| 91 TP | 1,2,3-Trichloropropane | 0.361 | 0.327 | 9.4 | 82 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.136 | 0.137 | -0.7 | 88 | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.931 | 1.874 | 3.0 | 88 | 0.00 |
| 94 TP | tert-Butylbenzene | 2.065 | 2.052 | 0.6 | 88 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 2.267 | 2.333 | -2.9 | 92 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.917 | 2.908 | 0.3 | 87 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.548 | 2.568 | -0.8 | 88 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.296 | 1.302 | -0.5 | 89 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 1.310 | 1.244 | 5.0 | 84 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.489 | 1.482 | 0.5 | 88 | 0.00 |
| 103 TP | n-Butylbenzene | 2.069 | 2.153 | -4.1 | 93 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 1.160 | 1.150 | 0.9 | 88 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.092 | 2.111 | -0.9 | 89 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.070 | 0.064 | 8.6 | 81 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 0.827 | 0.824 | 0.4 | 88 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.304 | 0.288 | 5.3 | 86 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.659 | 0.635 | 3.6 | 87 | 0.00 |
| 110 TP | Naphthalene | 1.240 | 1.124 | 9.4 | 82 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.523 | 0.485 | 7.3 | 84 | 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\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|--------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 478318 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 514798 | | | Recovery = | 92.91% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 395536 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 421984 | | | Recovery = | 93.73% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.066 | 152 | 224883 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 247601 | | | Recovery = | 90.82% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 130237 | 9.763 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.63% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.547 | 65 | 149260 | 10.088 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.88% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 487529 | 10.107 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.07% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 186080 | 9.934 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.34% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.566 | 85 | 141460 | 12.391 | ug/L | | 98 |
| 3) Chloromethane | 1.742 | 50 | 161759 | 11.586 | ug/L | | 97 |
| 4) Vinyl chloride | 1.811 | 62 | 167728 | 10.950 | ug/L | | 96 |
| 5) Bromomethane | 2.114 | 94 | 108789 | 11.167 | ug/L | | 97 |
| 6) Chloroethane | 2.222 | 64 | 107600 | 10.046 | ug/L | | 93 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 239866 | 10.625 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 60720 | 11.707 | ug/L # | | 57 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 100372 | 9.400 | ug/L | | 87 |
| 11) Carbon disulfide | 2.848 | 76 | 319342 | 16.205 | ug/L | | 100 |
| 12) Freon-113 | 2.857 | 101 | 116809 | 9.937 | ug/L | | 83 |
| 13) Iodomethane | 2.955 | 142 | 159416 | 9.877 | ug/L | | 91 |
| 14) Acrolein | 3.151 | 56 | 6704 | 4.639 | ug/L | | 86 |
| 15) Methylene chloride | 3.366 | 84 | 108591 | 9.450 | ug/L | | 77 |
| 17) Acetone | 3.415 | 43 | 12938 | 7.946 | ug/L # | | 72 |
| 18) trans-1,2-Dichloroethene | 3.513 | 96 | 112918 | 9.402 | ug/L | | 90 |
| 19) Methyl acetate | 3.523 | 43 | 34289 | 8.489 | ug/L # | | 94 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 212340 | 9.749 | ug/L # | | 93 |
| 21) tert-Butyl alcohol | 3.699 | 59 | 19500 | 35.759 | ug/L | | 95 |
| 22) Diisopropyl ether | 3.943 | 45 | 317240 | 9.136 | ug/L | | 93 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 233387 | 9.848 | ug/L | | 96 |
| 24) Halothane | 4.129 | 117 | 94490 | 9.982 | ug/L | | 100 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 25) Acrylonitrile | 4.149 | 53 | 22219 | 9.450 | ug/L | 90 |
| 26) Ethyl tert-butyl ether | 4.285 | 59 | 306097 | 8.906 | ug/L | 88 |
| 27) Vinyl acetate | 4.315 | 43 | 130008 | 7.613 | ug/L | 95 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 125087 | 9.305 | ug/L | 94 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 177445 | 9.126 | ug/L | 98 |
| 30) Bromochloromethane | 4.784 | 128 | 56212 | 9.476 | ug/L | 88 |
| 31) Cyclohexane | 4.765 | 56 | 239790 | 9.541 | ug/L | 73 |
| 32) Chloroform | 4.853 | 83 | 207190 | 9.822 | ug/L | 96 |
| 33) Ethyl acetate | 4.960 | 43 | 53929 | 8.401 | ug/L | 96 |
| 34) Carbon tetrachloride | 4.970 | 117 | 184856 | 9.793 | ug/L | 99 |
| 35) Tetrahydrofuran | 4.999 | 42 | 16034M6 | 8.013 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 200304 | 10.096 | ug/L | 94 |
| 39) 2-Butanone | 5.146 | 43 | 21723 | 8.514 | ug/L | 85 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 162376 | 9.956 | ug/L | 96 |
| 41) Benzene | 5.400 | 78 | 437834 | 9.660 | ug/L | 95 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 229741 | 8.556 | ug/L | 93 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 150245 | 9.421 | ug/L | 99 |
| 47) Methyl cyclohexane | 5.968 | 83 | 212034 | 9.475 | ug/L # | 79 |
| 48) Trichloroethene | 5.987 | 95 | 126831 | 9.082 | ug/L | 91 |
| 50) Dibromomethane | 6.437 | 93 | 61726 | 9.216 | ug/L | 96 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 125013 | 9.574 | ug/L # | 87 |
| 53) 2-Chloroethyl vinyl ether | 7.220 | 63 | 56993 | 9.672 | ug/L | 91 |
| 54) Bromodichloromethane | 6.604 | 83 | 151716 | 9.374 | ug/L | 95 |
| 57) 1,4-Dioxane | 6.819 | 88 | 18229 | 340.515 | ug/L # | 81 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 176296 | 9.335 | ug/L | 95 |
| 61) Toluene | 7.542 | 92 | 294205 | 9.724 | ug/L | 98 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 24036 | 8.667 | ug/L # | 84 |
| 63) Tetrachloroethene | 7.983 | 166 | 145022 | 9.862 | ug/L | 92 |
| 65) trans-1,3-Dichloropropene | 8.041 | 75 | 151831 | 9.408 | ug/L | 94 |
| 67) Ethyl methacrylate | 8.217 | 69 | 98260 | 9.357 | ug/L | 94 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 68060 | 9.201 | ug/L | 97 |
| 69) Chlorodibromomethane | 8.433 | 129 | 113340 | 9.501 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 141187 | 9.361 | ug/L | 98 |
| 71) 1,2-Dibromoethane | 8.716 | 107 | 53622 | 9.409 | ug/L | 99 |
| 72) 2-Hexanone | 8.990 | 43 | 35199 | 8.848 | ug/L # | 90 |
| 73) Chlorobenzene | 9.343 | 112 | 342508 | 9.922 | ug/L | 91 |
| 74) Ethylbenzene | 9.373 | 91 | 596178 | 9.893 | ug/L | 93 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 122274 | 9.782 | ug/L | 96 |
| 76) p/m Xylene | 9.559 | 106 | 468844 | 19.492 | ug/L | 84 |
| 77) o Xylene | 10.107 | 106 | 459656 | 20.521 | ug/L | 84 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221107NICAL\V05221107N09.d
 Sub List : 8260-Curve - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 78) Styrene | 10.176 | 104 | 741574 | 20.875 | ug/L | 89 |
| 80) Bromoform | 10.215 | 173 | 69922 | 9.465 | ug/L | 97 |
| 82) Isopropylbenzene | 10.499 | 105 | 626674 | 9.978 | ug/L | 94 |
| 84) Bromobenzene | 10.950 | 156 | 149012 | 9.756 | ug/L | 99 |
| 85) n-Propylbenzene | 10.989 | 91 | 722492 | 9.999 | ug/L | 93 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 156725 | 10.615 | ug/L | 92 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 83326 | 8.413 | ug/L | 97 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 636247 | 10.575 | ug/L | 95 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 404794M6 | 9.802 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 521596 | 9.948 | ug/L | 94 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 73513M1 | 9.058 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 30845 | 10.075 | ug/L # | 75 |
| 93) 4-Chlorotoluene | 11.351 | 91 | 421421 | 9.706 | ug/L # | 88 |
| 94) tert-Butylbenzene | 11.567 | 119 | 461377 | 9.934 | ug/L | 96 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 524542 | 10.288 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 654005 | 9.971 | ug/L | 95 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 577410 | 10.078 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 292692 | 10.041 | ug/L | 96 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 279666 | 9.492 | ug/L | 96 |
| 102) p-Diethylbenzene | 12.292 | 119 | 333184 | 9.952 | ug/L | 96 |
| 103) n-Butylbenzene | 12.351 | 91 | 484225 | 10.405 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 258714 | 9.922 | ug/L | 95 |
| 105) 1,2,4,5-Tetramethylben... | 13.085 | 119 | 474797 | 10.094 | ug/L | 93 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 14299 | 9.110 | ug/L | 99 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 185300 | 9.961 | ug/L | 98 |
| 108) Hexachlorobutadiene | 13.888 | 225 | 64706 | 9.472 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 142830 | 9.642 | ug/L | 99 |
| 110) Naphthalene | 14.212 | 128 | 252676 | 9.060 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 109101 | 9.275 | ug/L | 99 |

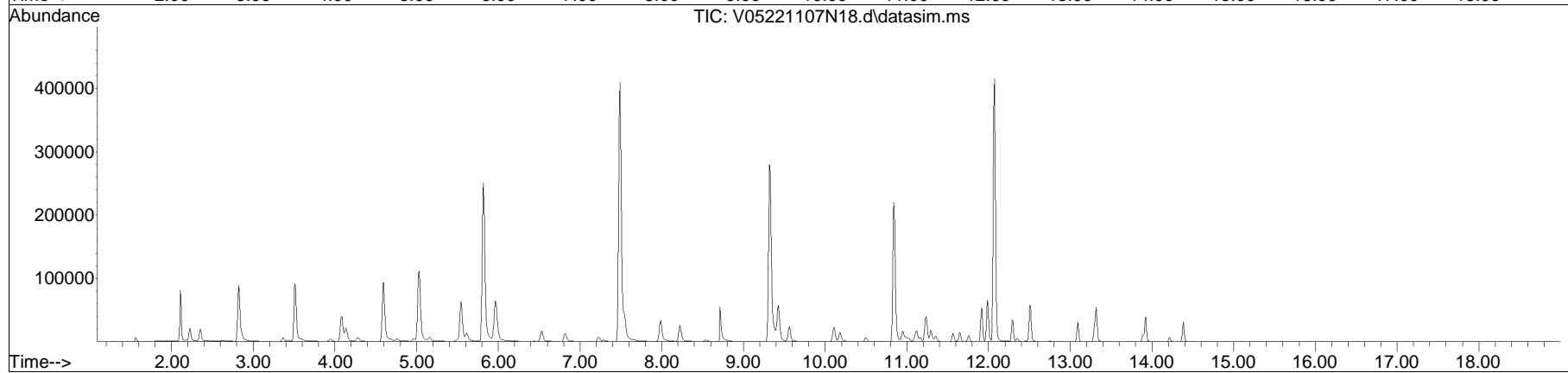
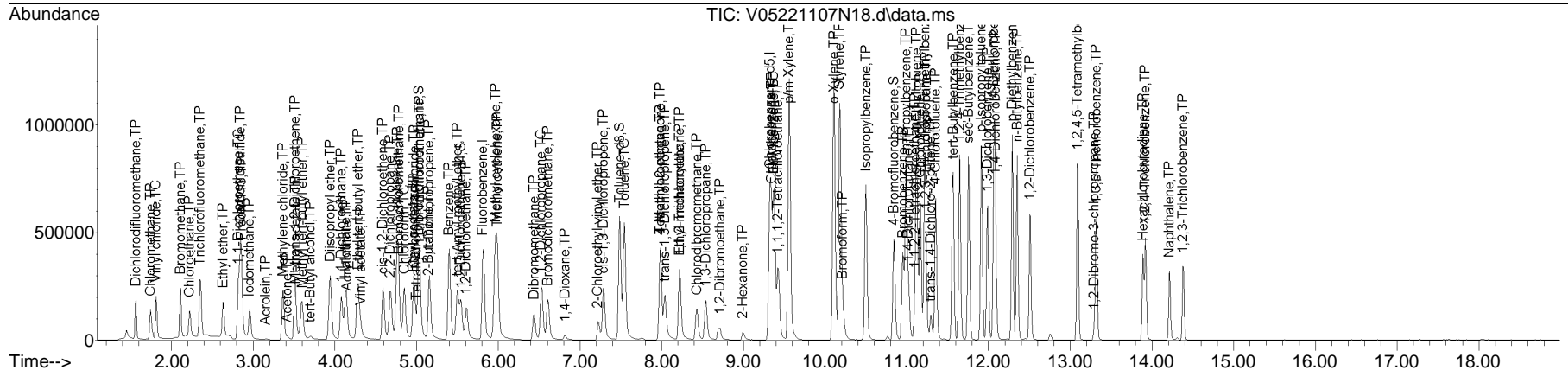
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221107NICAL\
 Data File : V05221107N18.d
 Acq On : 7 Nov 2022 11:08 pm
 Operator : VOA105:PID
 Sample : C8260STD10PPB
 Misc : WG1709321,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 08 06:59:08 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221107NICAL\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

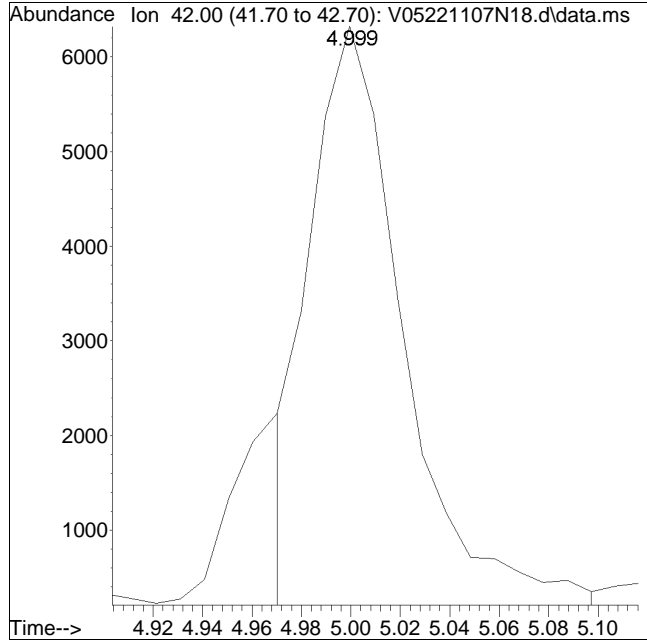
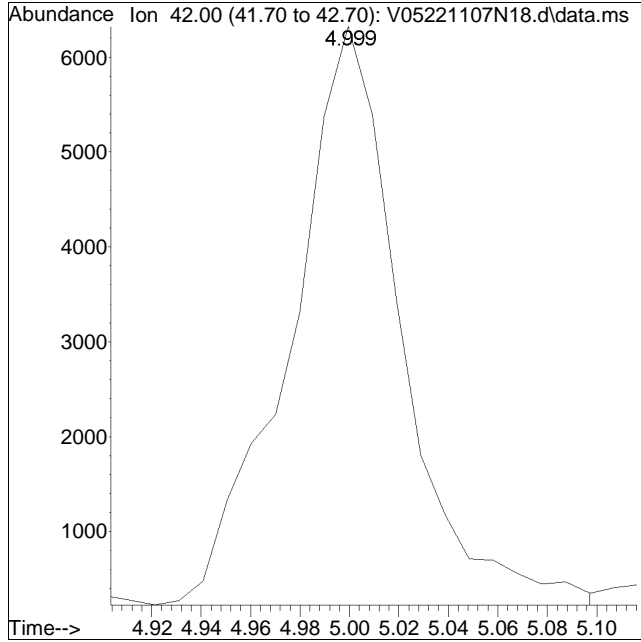
Sub List : 8260-Curve - Megamix plus Diox21107NICAL\V05221107N09.d



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N18.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 11:08 pm Instrument : VOA 105
Sample : C8260STD10PPB Quant Date : 11/8/2022 6:58 am

Compound #35: Tetrahydrofuran



Original Peak Response = 18910

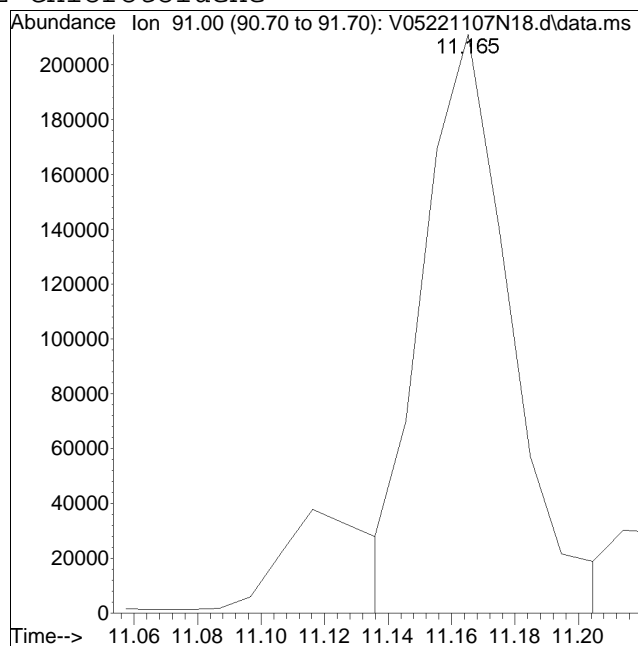
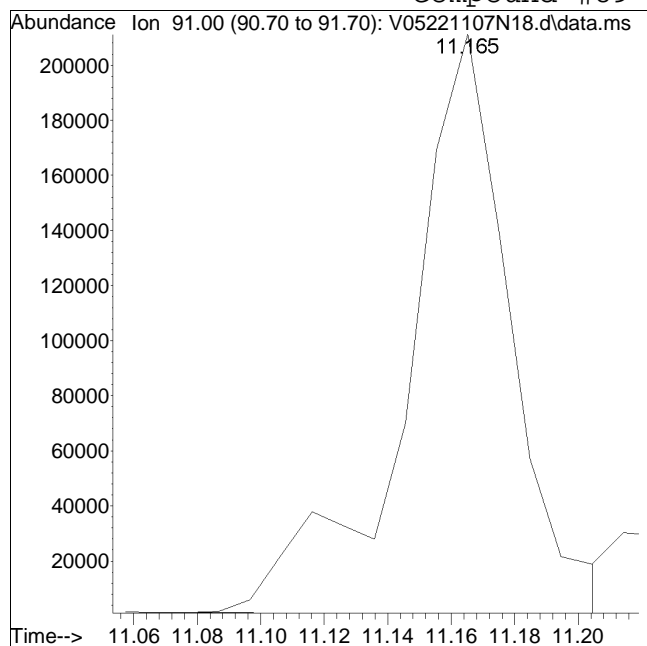
Manual Peak Response = 16034 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N18.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 11:08 pm Instrument : VOA 105
Sample : C8260STD10PPB Quant Date : 11/8/2022 6:58 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 471367

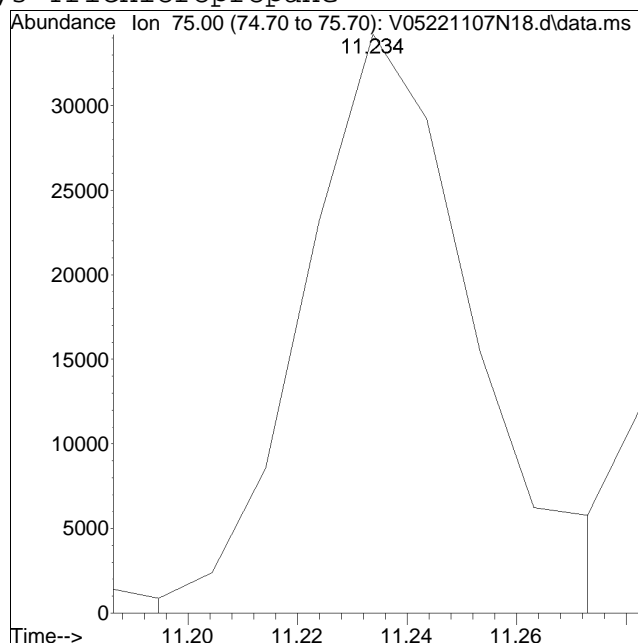
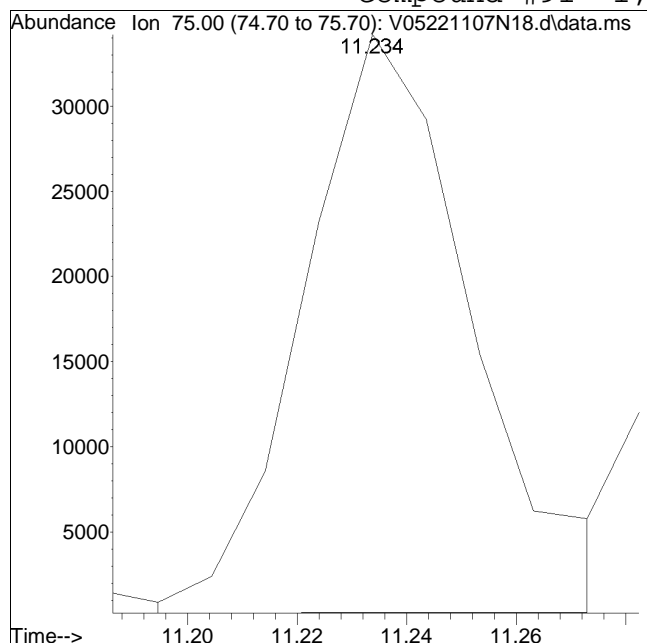
Manual Peak Response = 404794 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221107N18.d Operator : VOA105:PID
Date Inj'd : 11/7/2022 11:08 pm Instrument : VOA 105
Sample : C8260STD10PPB Quant Date : 11/8/2022 6:58 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 72265

Manual Peak Response = 73513 M1

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

Method Path : I:\VOLATILES\VOA105\2022\221107NICAL\
Method File : V105_221107N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Nov 08 06:56:37 2022

| COMPOUND | CalFit | Units | TrueMid | MidConc | %RE | TrueLow | LowConc | %RE |
|-----------------------|--------|-------|---------|---------|------|---------|---------|-----|
| 35 TP Tetrahydrofuran | L | ug/L | 10.0 | 9.768 | -2.3 | 2.00 | 2.056 | 2.8 |

Calibration Correlation Report

| COMPOUND | CalFit | CoefOfDet | QuadTerm | LinTerm | Constant |
|-----------------------|--------|-----------|----------|---------|------------|
| 35 TP Tetrahydrofuran | Linear | 0.999478 | 0.000000 | 0.03521 | 0.00530627 |

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA105
 Lab File ID : V05221207A01
 Sample No : WG1720634-2
 Channel :

Lab Number : L2267729
 Project Number : 0047.0044Y047
 Calibration Date : 12/07/22 07:01
 Init. Calib. Date(s) : 11/07/22 11/07/22
 Init. Calib. Times : 17:43 21:13

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|--------------------------|----------|-------|---------|-------|--------|-------|----------|
| Fluorobenzene | 1 | 1 | - | 0 | 20 | 96 | 0 |
| Dichlorodifluoromethane | 0.239 | 0.186 | - | 22.2* | 20 | 70 | 0 |
| Chloromethane | 0.292 | 0.263 | - | 9.9 | 20 | 82 | 0 |
| Vinyl chloride | 0.32 | 0.279 | - | 12.8 | 20 | 78 | 0 |
| Bromomethane | 0.204 | 0.146 | - | 28.4* | 20 | 71 | 0 |
| Chloroethane | 0.224 | 0.191 | - | 14.7 | 20 | 77 | 0 |
| Trichlorofluoromethane | 0.472 | 0.387 | - | 18 | 20 | 72 | 0 |
| Ethyl ether | 0.108 | 0.089 | - | 17.6 | 20 | 76 | 0 |
| 1,1-Dichloroethene | 0.223 | 0.242 | - | -8.5 | 20 | 104 | 0 |
| Carbon disulfide | 0.412 | 0.437 | - | -6.1 | 20 | 102 | 0 |
| Freon-113 | 0.246 | 0.261 | - | -6.1 | 20 | 98 | 0 |
| Acrolein | 0.03 | 0.026 | - | 13.3 | 20 | 86 | 0 |
| Methylene chloride | 0.24 | 0.251 | - | -4.6 | 20 | 101 | 0 |
| Acetone | 0.034 | 0.031 | - | 8.8 | 20 | 93 | 0 |
| trans-1,2-Dichloroethene | 0.251 | 0.264 | - | -5.2 | 20 | 101 | 0 |
| Methyl acetate | 0.084 | 0.076 | - | 9.5 | 20 | 88 | 0 |
| Methyl tert-butyl ether | 0.455 | 0.408 | - | 10.3 | 20 | 86 | 0 |
| tert-Butyl alcohol | 0.011 | 0.01 | - | 9.1 | 20 | 85 | 0 |
| Diisopropyl ether | 0.726 | 0.723 | - | 0.4 | 20 | 93 | 0 |
| 1,1-Dichloroethane | 0.495 | 0.471 | - | 4.8 | 20 | 89 | 0 |
| Halothane | 0.198 | 0.199 | - | -0.5 | 20 | 95 | 0 |
| Acrylonitrile | 0.049 | 0.043 | - | 12.2 | 20 | 85 | 0 |
| Ethyl tert-butyl ether | 0.719 | 0.633 | - | 12 | 20 | 83 | 0 |
| Vinyl acetate | 0.357 | 0.378 | - | -5.9 | 20 | 103 | 0 |
| cis-1,2-Dichloroethene | 0.281 | 0.279 | - | 0.7 | 20 | 94 | 0 |
| 2,2-Dichloropropane | 0.406 | 0.398 | - | 2 | 20 | 90 | 0 |
| Bromochloromethane | 0.124 | 0.126 | - | -1.6 | 20 | 93 | 0 |
| Cyclohexane | 0.525 | 0.496 | - | 5.5 | 20 | 86 | 0 |
| Chloroform | 0.441 | 0.439 | - | 0.5 | 20 | 93 | 0 |
| Ethyl acetate | 0.134 | 0.118 | - | 11.9 | 20 | 86 | 0 |
| Carbon tetrachloride | 0.395 | 0.361 | - | 8.6 | 20 | 84 | 0 |
| Tetrahydrofuran | 10 | 8.389 | - | 16.1 | 20 | 84 | 0 |
| Dibromofluoromethane | 0.279 | 0.273 | - | 2.2 | 20 | 95 | 0 |
| 1,1,1-Trichloroethane | 0.415 | 0.409 | - | 1.4 | 20 | 92 | 0 |
| 2-Butanone | 0.053 | 0.05 | - | 5.7 | 20 | 91 | 0 |
| 1,1-Dichloropropene | 0.341 | 0.328 | - | 3.8 | 20 | 90 | 0 |
| Benzene | 0.948 | 0.951 | - | -0.3 | 20 | 92 | 0 |
| tert-Amyl methyl ether | 0.561 | 0.471 | - | 16 | 20 | 81 | 0 |
| 1,2-Dichloroethane-d4 | 0.309 | 0.297 | - | 3.9 | 20 | 87 | 0 |
| 1,2-Dichloroethane | 0.333 | 0.3 | - | 9.9 | 20 | 83 | 0 |
| Methyl cyclohexane | 0.468 | 0.46 | - | 1.7 | 20 | 91 | 0 |
| Trichloroethene | 0.292 | 0.275 | - | 5.8 | 20 | 94 | 0 |
| Dibromomethane | 0.14 | 0.124 | - | 11.4 | 20 | 83 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : FORMER PFIZER INC SITE B&D
 Instrument ID : VOA105
 Lab File ID : V05221207A01
 Sample No : WG1720634-2
 Channel :

Lab Number : L2267729
 Project Number : 0047.0044Y047
 Calibration Date : 12/07/22 07:01
 Init. Calib. Date(s) : 11/07/22 11/07/22
 Init. Calib. Times : 17:43 21:13

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|---------|---------|-------|--------|-------|----------|
| 1,2-Dichloropropane | 0.273 | 0.245 | - | 10.3 | 20 | 83 | 0 |
| Bromodichloromethane | 0.338 | 0.308 | - | 8.9 | 20 | 86 | 0 |
| 1,4-Dioxane | 0.00112 | 0.0013* | - | -16.1 | 20 | 108 | 0 |
| cis-1,3-Dichloropropene | 0.395 | 0.352 | - | 10.9 | 20 | 84 | 0 |
| Chlorobenzene-d5 | 1 | 1 | - | 0 | 20 | 92 | 0 |
| Toluene-d8 | 1.22 | 1.276 | - | -4.6 | 20 | 96 | 0 |
| Toluene | 0.765 | 0.787 | - | -2.9 | 20 | 92 | 0 |
| 4-Methyl-2-pentanone | 0.07 | 0.057 | - | 18.6 | 20 | 76 | 0 |
| Tetrachloroethene | 0.372 | 0.4 | - | -7.5 | 20 | 97 | 0 |
| trans-1,3-Dichloropropene | 0.408 | 0.378 | - | 7.4 | 20 | 83 | 0 |
| Ethyl methacrylate | 0.265 | 0.233 | - | 12.1 | 20 | 79 | 0 |
| 1,1,2-Trichloroethane | 0.187 | 0.181* | - | 3.2 | 20 | 87 | 0 |
| Chlorodibromomethane | 0.302 | 0.277 | - | 8.3 | 20 | 83 | 0 |
| 1,3-Dichloropropane | 0.381 | 0.366 | - | 3.9 | 20 | 85 | 0 |
| 1,2-Dibromoethane | 0.144 | 0.142* | - | 1.4 | 20 | 87 | 0 |
| 2-Hexanone | 0.101 | 0.093 | - | 7.9 | 20 | 82 | 0 |
| Chlorobenzene | 0.873 | 0.905 | - | -3.7 | 20 | 91 | 0 |
| Ethylbenzene | 1.524 | 1.542 | - | -1.2 | 20 | 89 | 0 |
| 1,1,1,2-Tetrachloroethane | 0.316 | 0.313 | - | 0.9 | 20 | 88 | 0 |
| p/m Xylene | 0.608 | 0.614 | - | -1 | 20 | 88 | 0 |
| o Xylene | 0.566 | 0.565 | - | 0.2 | 20 | 88 | 0 |
| Styrene | 0.898 | 0.884 | - | 1.6 | 20 | 85 | 0 |
| 1,4-Dichlorobenzene-d4 | 1 | 1 | - | 0 | 20 | 89 | 0 |
| Bromoform | 0.329 | 0.281 | - | 14.6 | 20 | 78 | 0 |
| Isopropylbenzene | 2.793 | 2.786 | - | 0.3 | 20 | 86 | 0 |
| 4-Bromofluorobenzene | 0.833 | 0.861 | - | -3.4 | 20 | 94 | 0 |
| Bromobenzene | 0.679 | 0.68 | - | -0.1 | 20 | 89 | 0 |
| n-Propylbenzene | 3.213 | 3.271 | - | -1.8 | 20 | 88 | 0 |
| 1,4-Dichlorobutane | 0.657 | 0.617 | - | 6.1 | 20 | 83 | 0 |
| 1,1,2,2-Tetrachloroethane | 0.44 | 0.412 | - | 6.4 | 20 | 85 | 0 |
| 4-Ethyltoluene | 2.675 | 2.75 | - | -2.8 | 20 | 88 | 0 |
| 2-Chlorotoluene | 1.836 | 1.831 | - | 0.3 | 20 | 89 | 0 |
| 1,3,5-Trimethylbenzene | 2.332 | 2.355 | - | -1 | 20 | 88 | 0 |
| 1,2,3-Trichloropropane | 0.361 | 0.332 | - | 8 | 20 | 82 | 0 |
| trans-1,4-Dichloro-2-buten | 0.136 | 0.122 | - | 10.3 | 20 | 76 | 0 |
| 4-Chlorotoluene | 1.931 | 1.954 | - | -1.2 | 20 | 90 | 0 |
| tert-Butylbenzene | 2.065 | 2.143 | - | -3.8 | 20 | 90 | 0 |
| 1,2,4-Trimethylbenzene | 2.267 | 2.276 | - | -0.4 | 20 | 87 | 0 |
| sec-Butylbenzene | 2.917 | 2.955 | - | -1.3 | 20 | 87 | 0 |
| p-Isopropyltoluene | 2.548 | 2.67 | - | -4.8 | 20 | 89 | 0 |
| 1,3-Dichlorobenzene | 1.296 | 1.309 | - | -1 | 20 | 87 | 0 |
| 1,4-Dichlorobenzene | 1.31 | 1.328 | - | -1.4 | 20 | 88 | 0 |
| p-Diethylbenzene | 1.489 | 1.507 | - | -1.2 | 20 | 88 | 0 |

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Instrument ID : VOA105
Lab File ID : V05221207A01
Sample No : WG1720634-2
Channel :

Lab Number : L2267729
Project Number : 0047.0044Y047
Calibration Date : 12/07/22 07:01
Init. Calib. Date(s) : 11/07/22 11/07/22
Init. Calib. Times : 17:43 21:13

| Compound | Ave. RRF | RRF | Min RRF | %D | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| n-Butylbenzene | 2.069 | 2.091 | - | -1.1 | 20 | 88 | 0 |
| 1,2-Dichlorobenzene | 1.16 | 1.149 | - | 0.9 | 20 | 86 | 0 |
| 1,2,4,5-Tetramethylbenzene | 2.092 | 2.02 | - | 3.4 | 20 | 83 | 0 |
| 1,2-Dibromo-3-chloropropan | 0.07 | 0.056 | - | 20 | 20 | 70 | 0 |
| 1,3,5-Trichlorobenzene | 0.827 | 0.856 | - | -3.5 | 20 | 90 | 0 |
| Hexachlorobutadiene | 0.304 | 0.346 | - | -13.8 | 20 | 101 | 0 |
| 1,2,4-Trichlorobenzene | 0.659 | 0.627 | - | 4.9 | 20 | 84 | 0 |
| Naphthalene | 1.24 | 1.024 | - | 17.4 | 20 | 73 | 0 |
| 1,2,3-Trichlorobenzene | 0.523 | 0.458 | - | 12.4 | 20 | 77 | 0 |

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-2
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 96 | 0.00 |
| 2 TP Dichlorodifluoromethane | 0.239 | 0.186 | 22.2# | 70 | 0.00 |
| 3 TP Chloromethane | 0.292 | 0.263 | 9.9 | 82 | 0.00 |
| 4 TC Vinyl chloride | 0.320 | 0.279 | 12.8 | 78 | 0.00 |
| 5 TP Bromomethane | 0.204 | 0.146 | 28.4# | 71 | 0.00 |
| 6 TP Chloroethane | 0.224 | 0.191 | 14.7 | 77 | 0.00 |
| 7 TP Trichlorofluoromethane | 0.472 | 0.387 | 18.0 | 72 | 0.00 |
| 8 TP Ethyl ether | 0.108 | 0.089 | 17.6 | 76 | 0.00 |
| 10 TC 1,1-Dichloroethene | 0.223 | 0.242 | -8.5 | 104 | 0.00 |
| 11 TP Carbon disulfide | 0.412 | 0.437 | -6.1 | 102 | 0.00 |
| 12 TP Freon-113 | 0.246 | 0.261 | -6.1 | 98 | 0.00 |
| 14 TP Acrolein | 0.030 | 0.026 | 13.3 | 86 | 0.00 |
| 15 TP Methylene chloride | 0.240 | 0.251 | -4.6 | 101 | 0.00 |
| 17 TP Acetone | 0.034 | 0.031 | 8.8 | 93 | 0.00 |
| 18 TP trans-1,2-Dichloroethene | 0.251 | 0.264 | -5.2 | 101 | 0.00 |
| 19 TP Methyl acetate | 0.084 | 0.076 | 9.5 | 88 | 0.00 |
| 20 TP Methyl tert-butyl ether | 0.455 | 0.408 | 10.3 | 86 | 0.00 |
| 21 TP tert-Butyl alcohol | 0.011 | 0.010 | 9.1 | 85 | 0.00 |
| 22 TP Diisopropyl ether | 0.726 | 0.723 | 0.4 | 93 | 0.00 |
| 23 TP 1,1-Dichloroethane | 0.495 | 0.471 | 4.8 | 89 | 0.00 |
| 24 TP Halothane | 0.198 | 0.199 | -0.5 | 95 | 0.00 |
| 25 TP Acrylonitrile | 0.049 | 0.043 | 12.2 | 85 | 0.00 |
| 26 TP Ethyl tert-butyl ether | 0.719 | 0.633 | 12.0 | 83 | 0.00 |
| 27 TP Vinyl acetate | 0.357 | 0.378 | -5.9 | 103 | 0.00 |
| 28 TP cis-1,2-Dichloroethene | 0.281 | 0.279 | 0.7 | 94 | 0.00 |
| 29 TP 2,2-Dichloropropane | 0.406 | 0.398 | 2.0 | 90 | 0.00 |
| 30 TP Bromochloromethane | 0.124 | 0.126 | -1.6 | 93 | 0.00 |
| 31 TP Cyclohexane | 0.525 | 0.496 | 5.5 | 86 | 0.00 |
| 32 TC Chloroform | 0.441 | 0.439 | 0.5 | 93 | 0.00 |
| 33 TP Ethyl acetate | 0.134 | 0.118 | 11.9 | 86 | 0.00 |
| 34 TP Carbon tetrachloride | 0.395 | 0.361 | 8.6 | 84 | 0.00 |
| 35 TP Tetrahydrofuran | * 10.000 | 8.389 | 16.1 | 84 | 0.00 |
| 36 S Dibromofluoromethane | 0.279 | 0.273 | 2.2 | 95 | 0.00 |
| 37 TP 1,1,1-Trichloroethane | 0.415 | 0.409 | 1.4 | 92 | 0.00 |
| 39 TP 2-Butanone | 0.053 | 0.050 | 5.7 | 91 | 0.00 |
| 40 TP 1,1-Dichloropropene | 0.341 | 0.328 | 3.8 | 90 | 0.00 |
| 41 TP Benzene | 0.948 | 0.951 | -0.3 | 92 | 0.00 |
| 42 TP tert-Amyl methyl ether | 0.561 | 0.471 | 16.0 | 81 | 0.00 |
| 43 S 1,2-Dichloroethane-d4 | 0.309 | 0.297 | 3.9 | 87 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-2
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 0.333 | 0.300 | 9.9 | 83 | 0.00 |
| 47 TP | Methyl cyclohexane | 0.468 | 0.460 | 1.7 | 91 | 0.00 |
| 48 TP | Trichloroethene | 0.292 | 0.275 | 5.8 | 94 | 0.00 |
| 50 TP | Dibromomethane | 0.140 | 0.124 | 11.4 | 83 | 0.00 |
| 51 TC | 1,2-Dichloropropane | 0.273 | 0.245 | 10.3 | 83 | 0.00 |
| 54 TP | Bromodichloromethane | 0.338 | 0.308 | 8.9 | 86 | 0.00 |
| 57 TP | 1,4-Dioxane | 0.00112 | 0.00130# | -16.1 | 108 | 0.00 |
| 58 TP | cis-1,3-Dichloropropene | 0.395 | 0.352 | 10.9 | 84 | 0.00 |
| 59 I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 60 S | Toluene-d8 | 1.220 | 1.276 | -4.6 | 96 | 0.00 |
| 61 TC | Toluene | 0.765 | 0.787 | -2.9 | 92 | 0.00 |
| 62 TP | 4-Methyl-2-pentanone | 0.070 | 0.057 | 18.6 | 76 | 0.00 |
| 63 TP | Tetrachloroethene | 0.372 | 0.400 | -7.5 | 97 | 0.00 |
| 65 TP | trans-1,3-Dichloropropene | 0.408 | 0.378 | 7.4 | 83 | 0.00 |
| 67 TP | Ethyl methacrylate | 0.265 | 0.233 | 12.1 | 79 | 0.00 |
| 68 TP | 1,1,2-Trichloroethane | 0.187 | 0.181# | 3.2 | 87 | 0.00 |
| 69 TP | Chlorodibromomethane | 0.302 | 0.277 | 8.3 | 83 | 0.00 |
| 70 TP | 1,3-Dichloropropane | 0.381 | 0.366 | 3.9 | 85 | 0.00 |
| 71 TP | 1,2-Dibromoethane | 0.144 | 0.142# | 1.4 | 87 | 0.00 |
| 72 TP | 2-Hexanone | 0.101 | 0.093 | 7.9 | 82 | 0.00 |
| 73 TP | Chlorobenzene | 0.873 | 0.905 | -3.7 | 91 | 0.00 |
| 74 TC | Ethylbenzene | 1.524 | 1.542 | -1.2 | 89 | 0.00 |
| 75 TP | 1,1,1,2-Tetrachloroethane | 0.316 | 0.313 | 0.9 | 88 | 0.00 |
| 76 TP | p/m Xylene | 0.608 | 0.614 | -1.0 | 88 | 0.00 |
| 77 TP | o Xylene | 0.566 | 0.565 | 0.2 | 88 | 0.00 |
| 78 TP | Styrene | 0.898 | 0.884 | 1.6 | 85 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 80 TP | Bromoform | 0.329 | 0.281 | 14.6 | 78 | 0.00 |
| 82 TP | Isopropylbenzene | 2.793 | 2.786 | 0.3 | 86 | 0.00 |
| 83 S | 4-Bromofluorobenzene | 0.833 | 0.861 | -3.4 | 94 | 0.00 |
| 84 TP | Bromobenzene | 0.679 | 0.680 | -0.1 | 89 | 0.00 |
| 85 TP | n-Propylbenzene | 3.213 | 3.271 | -1.8 | 88 | 0.00 |
| 86 TP | 1,4-Dichlorobutane | 0.657 | 0.617 | 6.1 | 83 | 0.00 |
| 87 TP | 1,1,2,2-Tetrachloroethane | 0.440 | 0.412 | 6.4 | 85 | 0.00 |
| 88 TP | 4-Ethyltoluene | 2.675 | 2.750 | -2.8 | 88 | 0.00 |
| 89 TP | 2-Chlorotoluene | 1.836 | 1.831 | 0.3 | 89 | 0.00 |
| 90 TP | 1,3,5-Trimethylbenzene | 2.332 | 2.355 | -1.0 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WG1720634-2
 Misc : WG1720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 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 | 0.361 | 0.332 | 8.0 | 82 | 0.00 |
| 92 TP | trans-1,4-Dichloro-2-butene | 0.136 | 0.122 | 10.3 | 76 | 0.00 |
| 93 TP | 4-Chlorotoluene | 1.931 | 1.954 | -1.2 | 90 | 0.00 |
| 94 TP | tert-Butylbenzene | 2.065 | 2.143 | -3.8 | 90 | 0.00 |
| 97 TP | 1,2,4-Trimethylbenzene | 2.267 | 2.276 | -0.4 | 87 | 0.00 |
| 98 TP | sec-Butylbenzene | 2.917 | 2.955 | -1.3 | 87 | 0.00 |
| 99 TP | p-Isopropyltoluene | 2.548 | 2.670 | -4.8 | 89 | 0.00 |
| 100 TP | 1,3-Dichlorobenzene | 1.296 | 1.309 | -1.0 | 87 | 0.00 |
| 101 TP | 1,4-Dichlorobenzene | 1.310 | 1.328 | -1.4 | 88 | 0.00 |
| 102 TP | p-Diethylbenzene | 1.489 | 1.507 | -1.2 | 88 | 0.00 |
| 103 TP | n-Butylbenzene | 2.069 | 2.091 | -1.1 | 88 | 0.00 |
| 104 TP | 1,2-Dichlorobenzene | 1.160 | 1.149 | 0.9 | 86 | 0.00 |
| 105 TP | 1,2,4,5-Tetramethylbenzene | 2.092 | 2.020 | 3.4 | 83 | 0.00 |
| 106 TP | 1,2-Dibromo-3-chloropropane | 0.070 | 0.056 | 20.0# | 70 | 0.00 |
| 107 TP | 1,3,5-Trichlorobenzene | 0.827 | 0.856 | -3.5 | 90 | 0.00 |
| 108 TP | Hexachlorobutadiene | 0.304 | 0.346 | -13.8 | 101 | 0.00 |
| 109 TP | 1,2,4-Trichlorobenzene | 0.659 | 0.627 | 4.9 | 84 | 0.00 |
| 110 TP | Naphthalene | 1.240 | 1.024 | 17.4 | 73 | 0.00 |
| 111 TP | 1,2,3-Trichlorobenzene | 0.523 | 0.458 | 12.4 | 77 | 0.00 |

* Evaluation of CC level amount vs concentration.

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-2
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 494534 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = | 100.00% | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 389222 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = | 100.00% | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.066 | 152 | 220188 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = | 100.00% | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.019 | 113 | 135057 | 9.792 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 97.92% | | | |
| 43) 1,2-Dichloroethane-d4 | 5.537 | 65 | 146743 | 9.593 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 95.93% | | | |
| 60) Toluene-d8 | 7.484 | 98 | 496558 | 10.461 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 104.61% | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 189682 | 10.342 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.42% | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.557 | 85 | 91830 | 7.780 | ug/L | | 98 |
| 3) Chloromethane | 1.742 | 50 | 129911 | 9.000 | ug/L | | 98 |
| 4) Vinyl chloride | 1.811 | 62 | 138095 | 8.720 | ug/L | | 98 |
| 5) Bromomethane | 2.104 | 94 | 72436 | 7.192 | ug/L | | 98 |
| 6) Chloroethane | 2.212 | 64 | 94410 | 8.525 | ug/L | | 93 |
| 7) Trichlorofluoromethane | 2.349 | 101 | 191370 | 8.199 | ug/L | | 100 |
| 8) Ethyl ether | 2.633 | 74 | 43992 | 8.204 | ug/L | # | 71 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 119791 | 10.851 | ug/L | | 95 |
| 11) Carbon disulfide | 2.848 | 76 | 216048 | 10.604 | ug/L | | 99 |
| 12) Freon-113 | 2.848 | 101 | 129164 | 10.628 | ug/L | # | 68 |
| 14) Acrolein | 3.141 | 56 | 12737 | 8.525 | ug/L | | 95 |
| 15) Methylene chloride | 3.356 | 84 | 124349 | 10.467 | ug/L | | 81 |
| 17) Acetone | 3.415 | 43 | 15377 | 9.135 | ug/L | | 95 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 130496 | 10.510 | ug/L | | 99 |
| 19) Methyl acetate | 3.523 | 43 | 37453 | 8.968 | ug/L | # | 92 |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 201876 | 8.965 | ug/L | | 92 |
| 21) tert-Butyl alcohol | 3.699 | 59 | 24949 | 44.251 | ug/L | | 89 |
| 22) Diisopropyl ether | 3.933 | 45 | 357362 | 9.954 | ug/L | | 92 |
| 23) 1,1-Dichloroethane | 4.070 | 63 | 232699 | 9.497 | ug/L | | 97 |
| 24) Halothane | 4.129 | 117 | 98381 | 10.052 | ug/L | | 97 |
| 25) Acrylonitrile | 4.139 | 53 | 21406 | 8.806 | ug/L | | 92 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-2
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 26) Ethyl tert-butyl ether | 4.276 | 59 | 313112 | 8.812 | ug/L | 90 |
| 27) Vinyl acetate | 4.305 | 43 | 186758 | 10.577 | ug/L | 95 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 138123 | 9.938 | ug/L | 98 |
| 29) 2,2-Dichloropropane | 4.677 | 77 | 196595 | 9.780 | ug/L | 95 |
| 30) Bromochloromethane | 4.775 | 128 | 62276 | 10.154 | ug/L | 90 |
| 31) Cyclohexane | 4.755 | 56 | 245287 | 9.439 | ug/L | 76 |
| 32) Chloroform | 4.843 | 83 | 216988 | 9.949 | ug/L | 96 |
| 33) Ethyl acetate | 4.960 | 43 | 58425 | 8.803 | ug/L # | 94 |
| 34) Carbon tetrachloride | 4.960 | 117 | 178423 | 9.142 | ug/L | 99 |
| 35) Tetrahydrofuran | 5.000 | 42 | 17232M6 | 8.389 | ug/L | |
| 37) 1,1,1-Trichloroethane | 5.029 | 97 | 202278 | 9.861 | ug/L | 98 |
| 39) 2-Butanone | 5.146 | 43 | 24848 | 9.420 | ug/L # | 82 |
| 40) 1,1-Dichloropropene | 5.156 | 75 | 162207 | 9.620 | ug/L | 93 |
| 41) Benzene | 5.391 | 78 | 470163 | 10.033 | ug/L | 95 |
| 42) tert-Amyl methyl ether | 5.498 | 73 | 232794 | 8.386 | ug/L | 97 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 148149 | 8.985 | ug/L | 98 |
| 47) Methyl cyclohexane | 5.958 | 83 | 227460 | 9.831 | ug/L # | 82 |
| 48) Trichloroethene | 5.987 | 95 | 135800 | 9.405 | ug/L | 93 |
| 50) Dibromomethane | 6.428 | 93 | 61373 | 8.862 | ug/L | 88 |
| 51) 1,2-Dichloropropane | 6.525 | 63 | 121217 | 8.979 | ug/L # | 88 |
| 54) Bromodichloromethane | 6.604 | 83 | 152197 | 9.095 | ug/L | 99 |
| 57) 1,4-Dioxane | 6.809 | 88 | 32077 | 579.546 | ug/L # | 86 |
| 58) cis-1,3-Dichloropropene | 7.288 | 75 | 174255 | 8.924 | ug/L | 94 |
| 61) Toluene | 7.543 | 92 | 306410 | 10.292 | ug/L | 100 |
| 62) 4-Methyl-2-pentanone | 7.983 | 58 | 22186 | 8.130 | ug/L # | 96 |
| 63) Tetrachloroethene | 7.983 | 166 | 155718 | 10.761 | ug/L | 91 |
| 65) trans-1,3-Dichloropropene | 8.041 | 75 | 147236 | 9.271 | ug/L | 92 |
| 67) Ethyl methacrylate | 8.217 | 69 | 90787 | 8.786 | ug/L | 99 |
| 68) 1,1,2-Trichloroethane | 8.217 | 83 | 70554 | 9.693 | ug/L | 97 |
| 69) Chlorodibromomethane | 8.423 | 129 | 107782 | 9.182 | ug/L | 98 |
| 70) 1,3-Dichloropropane | 8.540 | 76 | 142573 | 9.606 | ug/L | 99 |
| 71) 1,2-Dibromoethane | 8.687 | 107 | 55460 | 9.889 | ug/L | 100 |
| 72) 2-Hexanone | 8.991 | 43 | 36367 | 9.290 | ug/L | 97 |
| 73) Chlorobenzene | 9.343 | 112 | 352183 | 10.367 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 600103 | 10.119 | ug/L | 93 |
| 75) 1,1,1,2-Tetrachloroethane | 9.422 | 131 | 121794 | 9.902 | ug/L | 97 |
| 76) p/m Xylene | 9.559 | 106 | 477749 | 20.185 | ug/L | 85 |
| 77) o Xylene | 10.107 | 106 | 440192 | 19.971 | ug/L | 84 |
| 78) Styrene | 10.176 | 104 | 688179 | 19.686 | ug/L | 89 |
| 80) Bromoform | 10.215 | 173 | 61982 | 8.569 | ug/L | 99 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-2
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|--------|----------|
| 82) Isopropylbenzene | 10.499 | 105 | 613351 | 9.974 | ug/L | 93 |
| 84) Bromobenzene | 10.950 | 156 | 149821 | 10.018 | ug/L | 100 |
| 85) n-Propylbenzene | 10.989 | 91 | 720153 | 10.179 | ug/L | 92 |
| 86) 1,4-Dichlorobutane | 11.018 | 55 | 135770 | 9.392 | ug/L | 91 |
| 87) 1,1,2,2-Tetrachloroethane | 11.097 | 83 | 90781 | 9.361 | ug/L | 100 |
| 88) 4-Ethyltoluene | 11.116 | 105 | 605429 | 10.277 | ug/L | 94 |
| 89) 2-Chlorotoluene | 11.165 | 91 | 403200M6 | 9.971 | ug/L | |
| 90) 1,3,5-Trimethylbenzene | 11.214 | 105 | 518623 | 10.102 | ug/L | 91 |
| 91) 1,2,3-Trichloropropane | 11.234 | 75 | 73187M1 | 9.210 | ug/L | |
| 92) trans-1,4-Dichloro-2-b... | 11.293 | 53 | 26766 | 8.929 | ug/L # | 87 |
| 93) 4-Chlorotoluene | 11.351 | 91 | 430234 | 10.120 | ug/L | 89 |
| 94) tert-Butylbenzene | 11.567 | 119 | 471776 | 10.374 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 501124 | 10.039 | ug/L | 92 |
| 98) sec-Butylbenzene | 11.753 | 105 | 650583 | 10.130 | ug/L | 94 |
| 99) p-Isopropyltoluene | 11.910 | 119 | 587839 | 10.479 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 288287 | 10.101 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 292514 | 10.140 | ug/L | 97 |
| 102) p-Diethylbenzene | 12.292 | 119 | 331848 | 10.123 | ug/L | 95 |
| 103) n-Butylbenzene | 12.351 | 91 | 460439 | 10.105 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 252924 | 9.907 | ug/L | 96 |
| 105) 1,2,4,5-Tetramethylben... | 13.085 | 119 | 444804 | 9.658 | ug/L | 94 |
| 106) 1,2-Dibromo-3-chloropr... | 13.291 | 155 | 12256 | 7.975 | ug/L | 100 |
| 107) 1,3,5-Trichlorobenzene | 13.320 | 180 | 188505 | 10.349 | ug/L | 97 |
| 108) Hexachlorobutadiene | 13.889 | 225 | 76245 | 11.399 | ug/L | 99 |
| 109) 1,2,4-Trichlorobenzene | 13.918 | 180 | 138117 | 9.523 | ug/L | 98 |
| 110) Naphthalene | 14.212 | 128 | 225512 | 8.259 | ug/L | 100 |
| 111) 1,2,3-Trichlorobenzene | 14.378 | 180 | 100885 | 8.759 | ug/L | 99 |

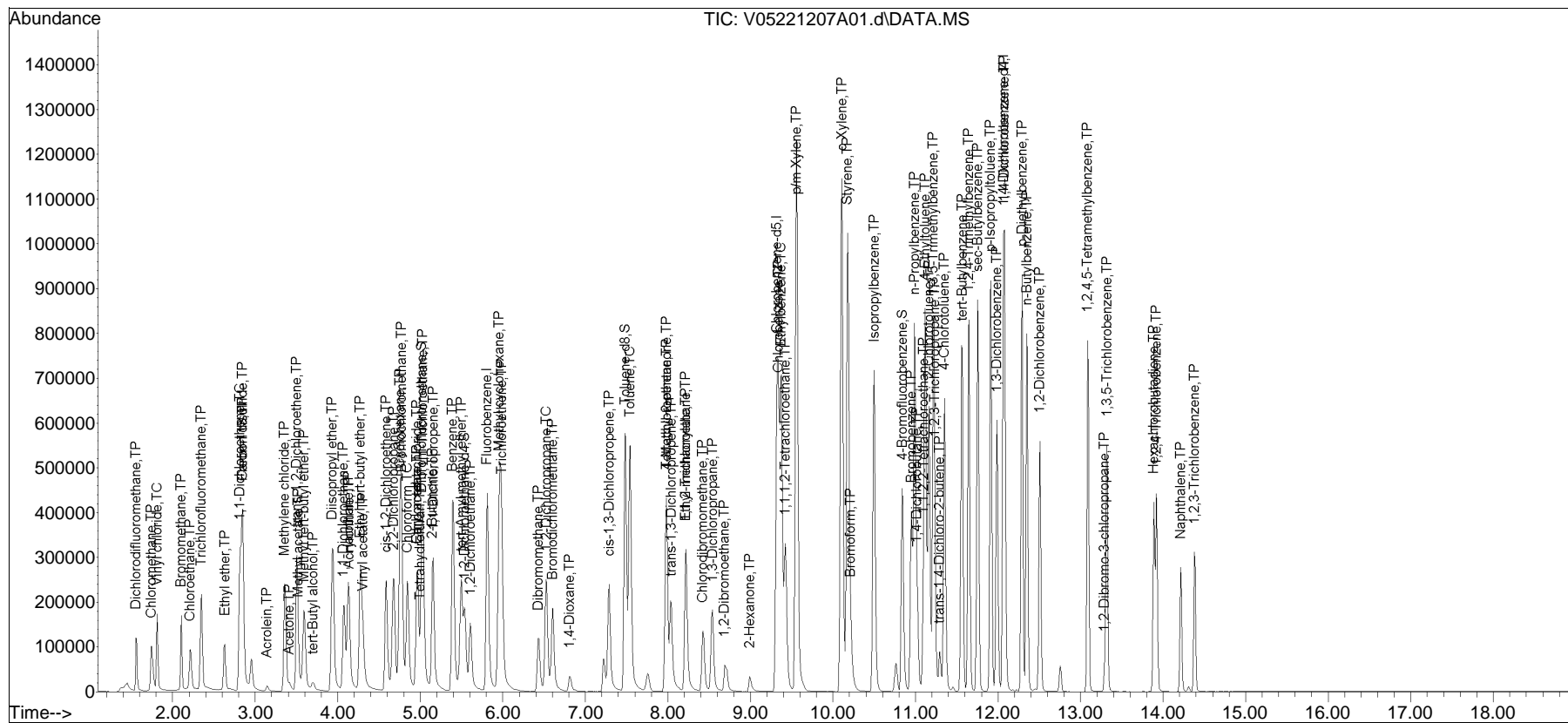
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WG1720634-2
 Misc : WG1720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

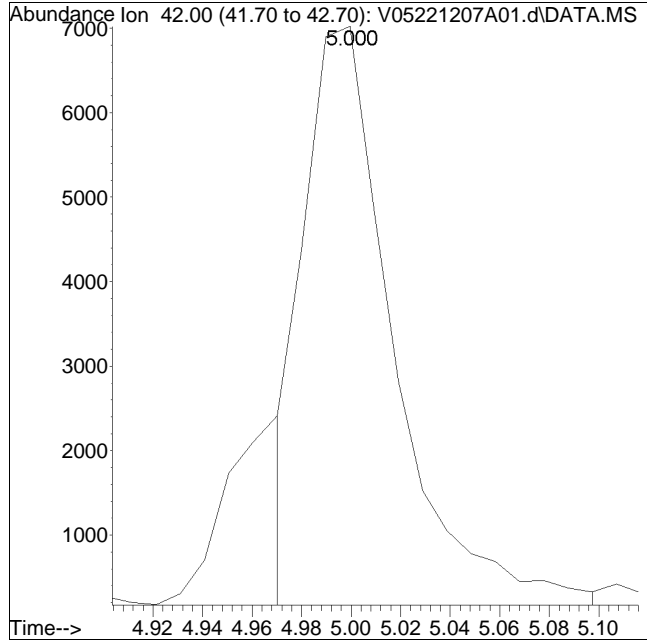
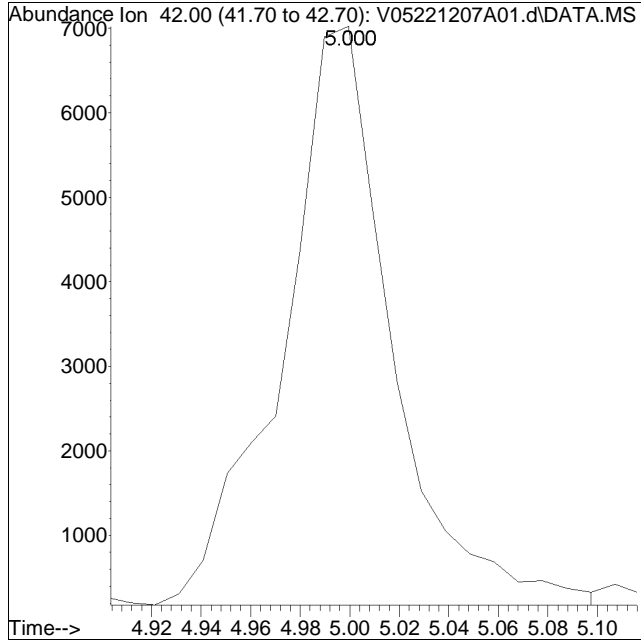
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A01.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 7:01 am Instrument : VOA 105
Sample : WG1720634-2 Quant Date : 12/7/2022 7:23 am

Compound #35: Tetrahydrofuran



Original Peak Response = 20951

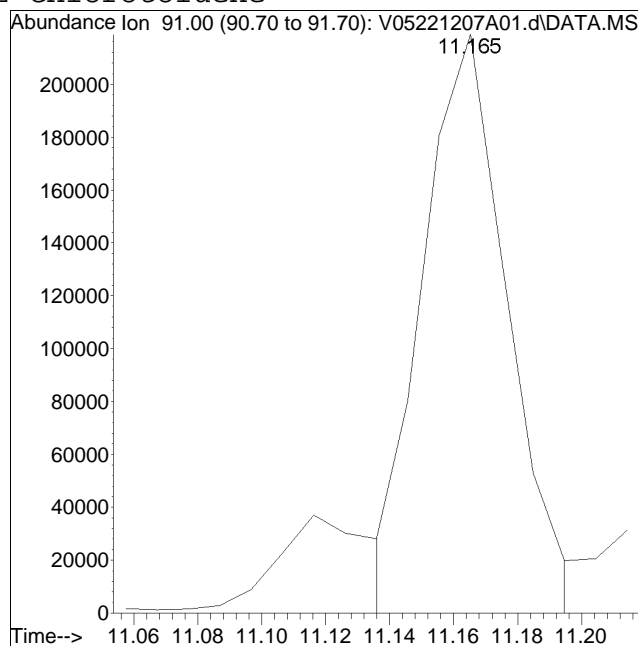
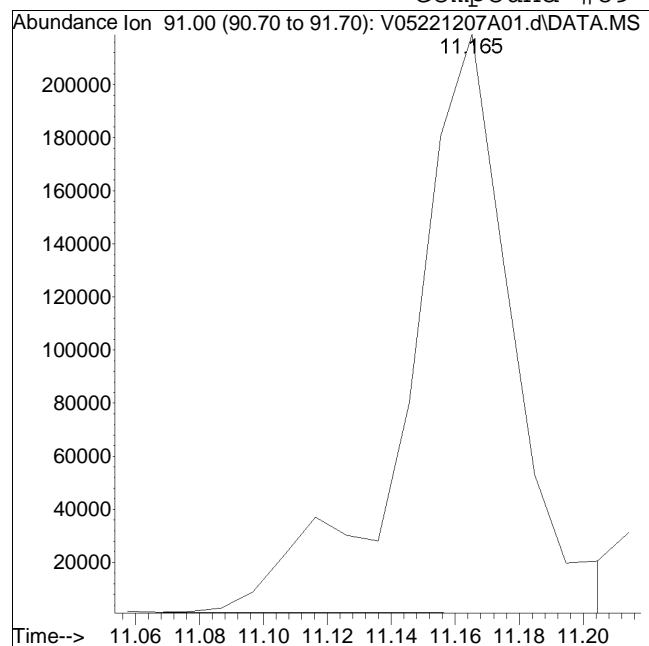
Manual Peak Response = 17232 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A01.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 7:01 am Instrument : VOA 105
Sample : WG1720634-2 Quant Date : 12/7/2022 7:23 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 483500

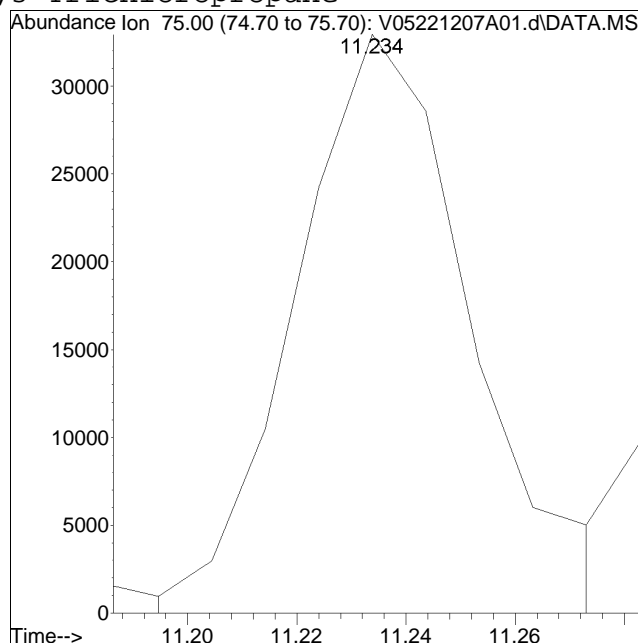
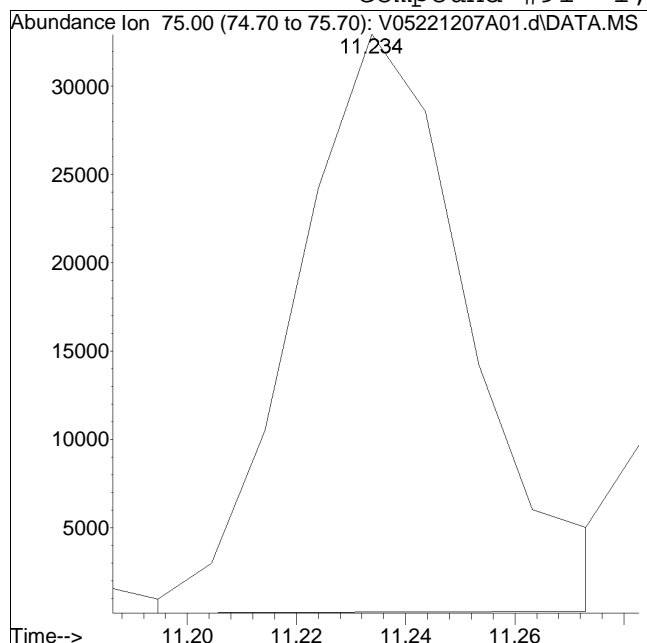
Manual Peak Response = 403200 M6

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

Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A01.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 7:01 am Instrument : VOA 105
Sample : WG1720634-2 Quant Date : 12/7/2022 7:23 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 72171

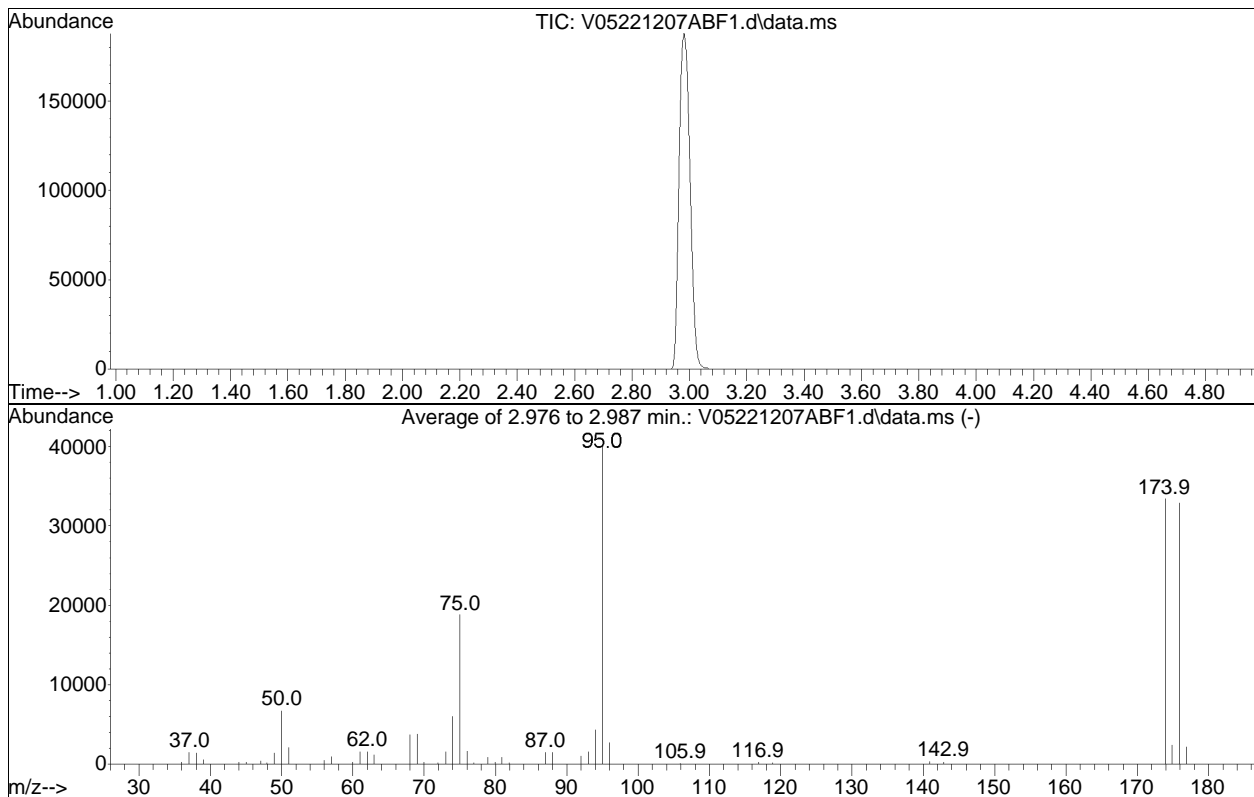
Manual Peak Response = 73187 M1

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

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207ABF1.d
 Acq On : 7 Dec 2022 6:47 am
 Operator : VOA105:PID
 Sample : WG1720634-1
 Misc : WG1720634
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Tue Nov 08 06:56:37 2022



AutoFind: Scans 163, 164, 165; Background Corrected with Scan 154

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|-------------|--------------|--------------|--------------|-----------|---------|------------------|
| 50 | 95 | 15 | 40 | 16.7 | 6706 | PASS |
| 75 | 95 | 30 | 60 | 46.8 | 18813 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 40240 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 2721 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 83.1 | 33451 | PASS |
| 175 | 174 | 5 | 9 | 7.3 | 2436 | PASS |
| 176 | 174 | 95 | 101 | 98.2 | 32859 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 2158 | PASS |

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A05.d
 Acq On : 7 Dec 2022 8:34 am
 Operator : VOA105:PID
 Sample : WGI720634-5,31,10,10
 Misc : WGI720634,ICAL19461
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 08:57:55 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 475503 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 96.15% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 378603 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 97.27% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 213351 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 96.89% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.019 | 113 | 132461 | 9.988 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.88% | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 138982 | 9.449 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 94.49% | | |
| 60) Toluene-d8 | 7.484 | 98 | 465083 | 10.073 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.73% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 184639 | 10.390 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 103.90% | | |
| Target Compounds | | | | | | Qvalue |
| 4) Vinyl chloride | 0.000 | | 0 | | N.D. | |
| 10) 1,1-Dichloroethene | 0.000 | | 0 | | N.D. | |
| 15) Methylene chloride | 0.000 | | 0 | | N.D. | |
| 17) Acetone | 3.415 | 43 | 92 | | N.D. | |
| 18) trans-1,2-Dichloroethene | 0.000 | | 0 | | 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. | |
| 32) Chloroform | 4.853 | 83 | 299 | | N.D. | |
| 34) Carbon tetrachloride | 0.000 | | 0 | | N.D. | |
| 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. | |
| 48) Trichloroethene | 6.036 | 95 | 96 | | N.D. | |
| 57) 1,4-Dioxane | 0.000 | | 0 | | N.D. | |
| 61) Toluene | 0.000 | | 0 | | N.D. | |
| 63) Tetrachloroethene | 0.000 | | 0 | | N.D. | |
| 73) Chlorobenzene | 9.353 | 112 | 95 | | N.D. | |
| 74) Ethylbenzene | 9.373 | 91 | 88 | | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A05.d
 Acq On : 7 Dec 2022 8:34 am
 Operator : VOA105:PID
 Sample : WG1720634-5,31,10,10
 Misc : WG1720634,ICAL19461
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 08:57:55 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 76) p/m Xylene | 0.000 | | 0 | | | N.D. |
| 77) o Xylene | 0.000 | | 0 | | | N.D. |
| 85) n-Propylbenzene | 11.009 | 91 | 507 | | | N.D. |
| 90) 1,3,5-Trimethylbenzene | 11.234 | 105 | 490 | | | N.D. |
| 94) tert-Butylbenzene | 11.567 | 119 | 385 | | | N.D. |
| 97) 1,2,4-Trimethylbenzene | 11.665 | 105 | 527 | | | N.D. |
| 98) sec-Butylbenzene | 11.763 | 105 | 926 | | | N.D. |
| 100) 1,3-Dichlorobenzene | 12.008 | 146 | 562 | | | N.D. |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 953 | | | N.D. |
| 103) n-Butylbenzene | 12.360 | 91 | 851 | | | N.D. |
| 104) 1,2-Dichlorobenzene | 12.527 | 146 | 625 | | | N.D. |

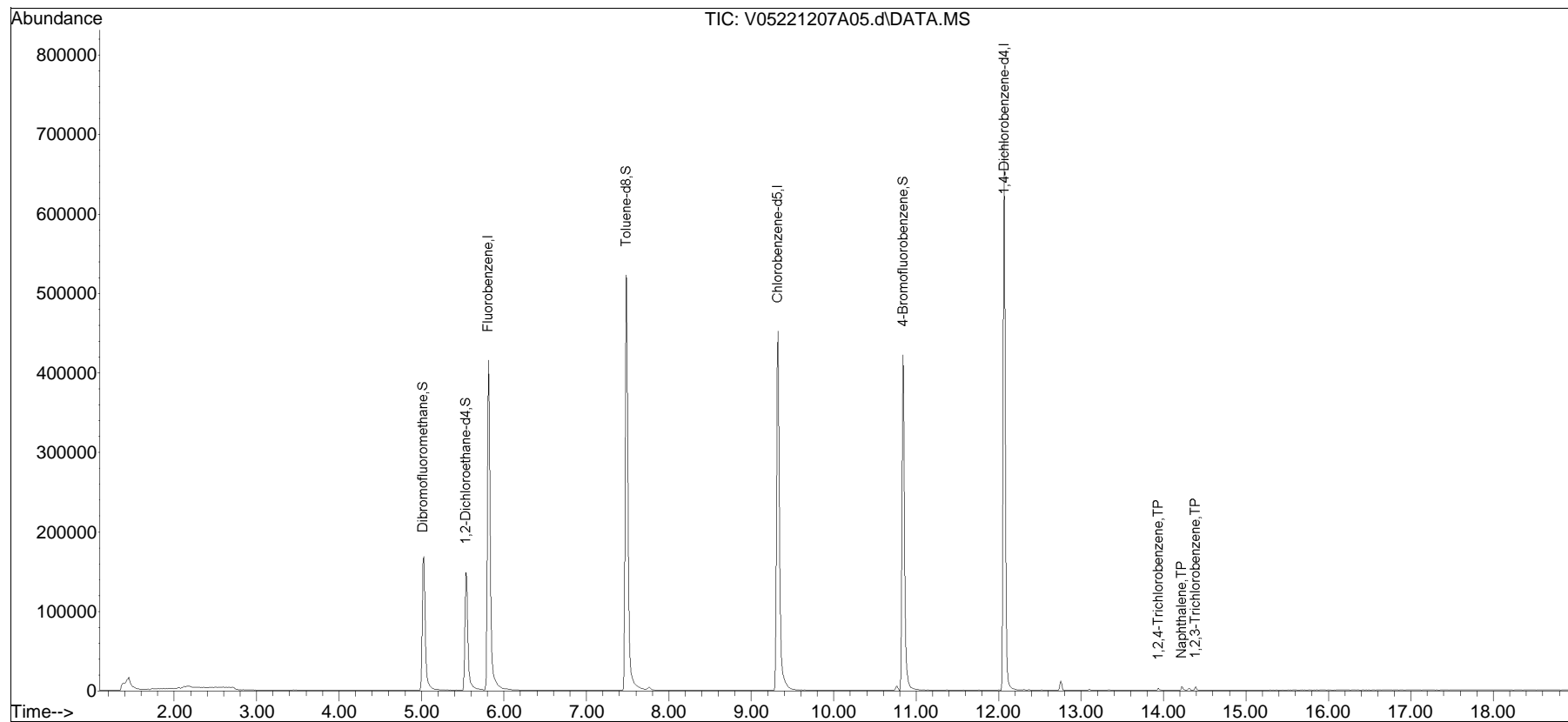
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
Data File : V05221207A05.d
Acq On : 7 Dec 2022 8:34 am
Operator : VOA105:PID
Sample : WG1720634-5,31,10,10
Misc : WG1720634,ICAL19461
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 07 08:57:55 2022
Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Nov 08 06:56:37 2022
Response via : Initial Calibration

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



Manual Integration Report

Data Path : I:\VOLATILES\VOA105\2022\2QMethod : V105_221107N_8260.m
Data File : V05221207A05.d Operator : VOA105:PID
Date Inj'd : 12/7/2022 8:34 am Instrument : VOA 105
Sample : WG1720634-5,31,10,10 Quant Date : 12/7/2022 8:57 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WGI720634-3,31,10,10
 Misc : WGI720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|------------------------------|----------------|------|--------------------|---------|-------|----------|--------|
| ----- | | | | | | | |
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 494534 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 494534 | | | Recovery = 100.00% | | | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 389222 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 389222 | | | Recovery = 100.00% | | | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.066 | 152 | 220188 | 10.000 | ug/L | 0.00 | |
| Standard Area 1 = 220188 | | | Recovery = 100.00% | | | | |
| System Monitoring Compounds | | | | | | | |
| 36) Dibromofluoromethane | 5.019 | 113 | 135057 | 9.792 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 97.92% | | | | |
| 43) 1,2-Dichloroethane-d4 | 5.537 | 65 | 146743 | 9.593 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 95.93% | | | | |
| 60) Toluene-d8 | 7.484 | 98 | 496558 | 10.461 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 104.61% | | | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 189682 | 10.342 | ug/L | 0.00 | |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = 103.42% | | | | |
| Target Compounds | | | | | | | |
| | | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 138095 | 8.720 | ug/L | | 98 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 119791 | 10.851 | ug/L | | 95 |
| 15) Methylene chloride | 3.356 | 84 | 124349 | 10.467 | ug/L | | 81 |
| 17) Acetone | 3.415 | 43 | 15377 | 9.135 | ug/L | | 95 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 130496 | 10.510 | ug/L | | 99 |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 201876 | 8.965 | ug/L | | 92 |
| 23) 1,1-Dichloroethane | 4.070 | 63 | 232699 | 9.497 | ug/L | | 97 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 138123 | 9.938 | ug/L | | 98 |
| 32) Chloroform | 4.843 | 83 | 216988 | 9.949 | ug/L | | 96 |
| 34) Carbon tetrachloride | 4.960 | 117 | 178423 | 9.142 | ug/L | | 99 |
| 37) 1,1,1-Trichloroethane | 5.029 | 97 | 202278 | 9.861 | ug/L | | 98 |
| 39) 2-Butanone | 5.146 | 43 | 24848 | 9.420 | ug/L | # | 82 |
| 41) Benzene | 5.391 | 78 | 470163 | 10.033 | ug/L | | 95 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 148149 | 8.985 | ug/L | | 98 |
| 48) Trichloroethene | 5.987 | 95 | 135800 | 9.405 | ug/L | | 93 |
| 57) 1,4-Dioxane | 6.809 | 88 | 32077 | 579.546 | ug/L | # | 86 |
| 61) Toluene | 7.543 | 92 | 306410 | 10.292 | ug/L | | 100 |
| 63) Tetrachloroethene | 7.983 | 166 | 155718 | 10.761 | ug/L | | 91 |
| 73) Chlorobenzene | 9.343 | 112 | 352183 | 10.367 | ug/L | | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 600103 | 10.119 | ug/L | | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WG1720634-3,31,10,10
 Misc : WG1720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 9.559 | 106 | 477749 | 20.185 | ug/L | 85 |
| 77) o Xylene | 10.107 | 106 | 440192 | 19.971 | ug/L | 84 |
| 85) n-Propylbenzene | 10.989 | 91 | 720153 | 10.179 | ug/L | 92 |
| 90) 1,3,5-Trimethylbenzene | 11.214 | 105 | 518623 | 10.102 | ug/L | 91 |
| 94) tert-Butylbenzene | 11.567 | 119 | 471776 | 10.374 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 501124 | 10.039 | ug/L | 92 |
| 98) sec-Butylbenzene | 11.753 | 105 | 650583 | 10.130 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 288287 | 10.101 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 292514 | 10.140 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 460439 | 10.105 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 252924 | 9.907 | ug/L | 96 |

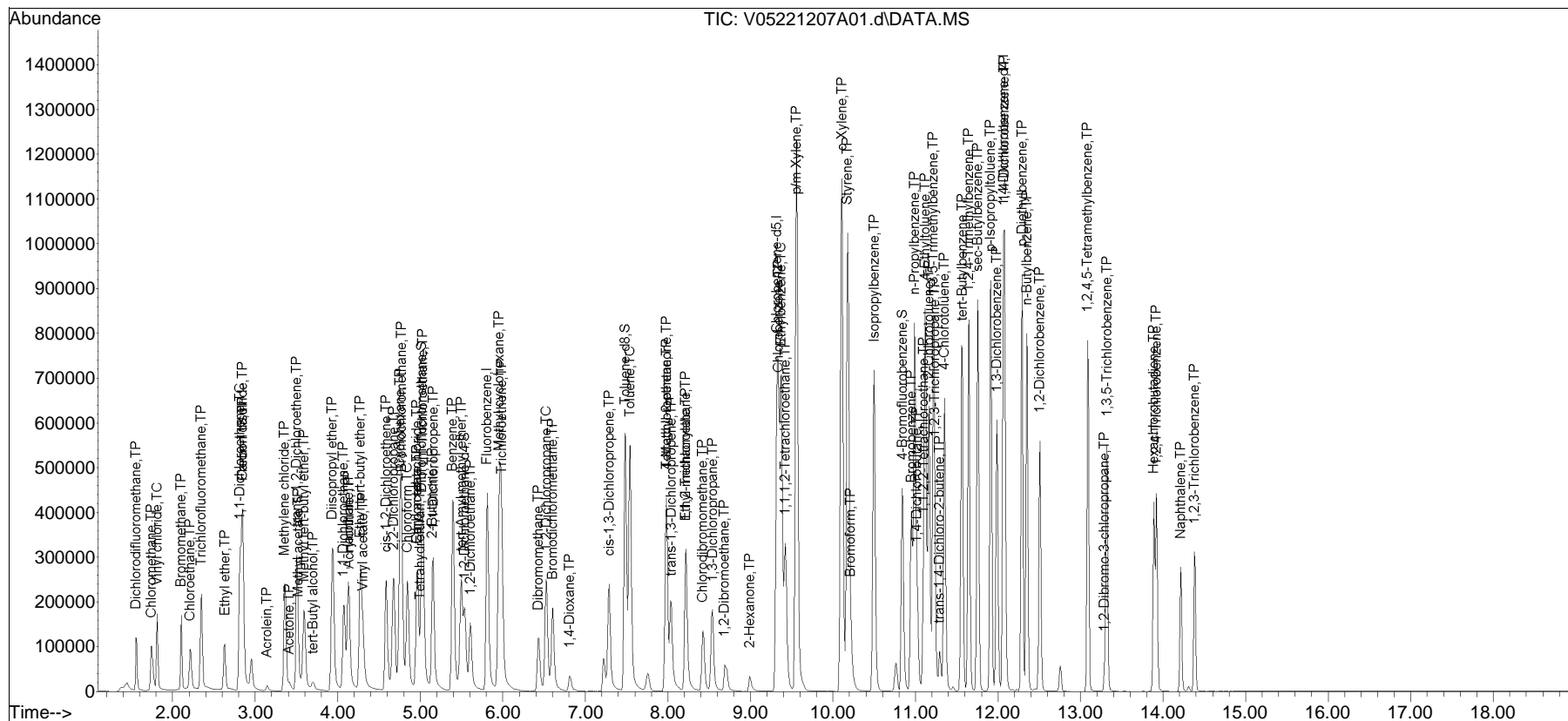
(#) = qualifier out of range (m) = manual integration (+) = signals summed

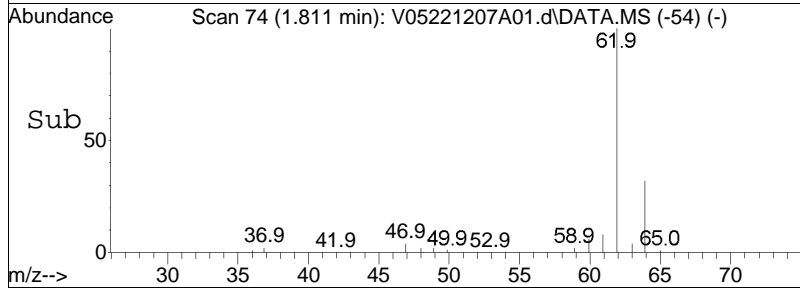
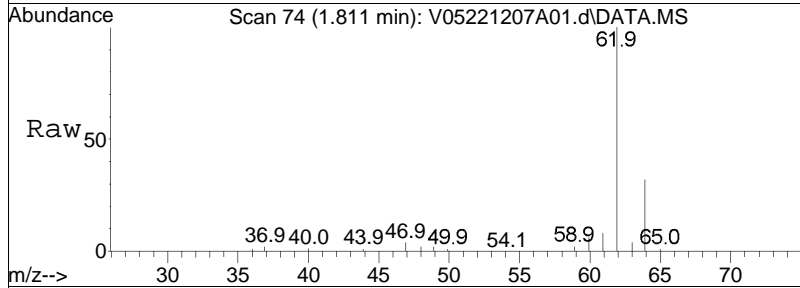
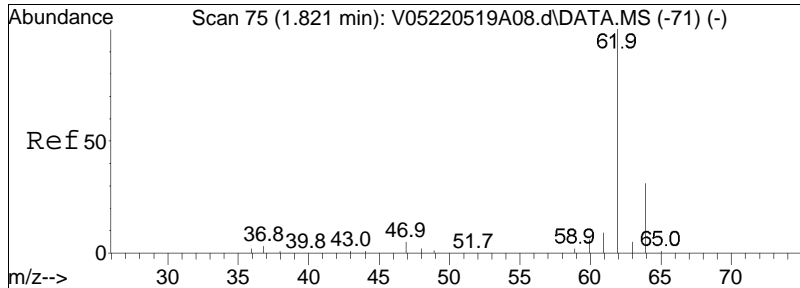
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A01.d
 Acq On : 7 Dec 2022 7:01 am
 Operator : VOA105:PID
 Sample : WG1720634-3,31,10,10
 Misc : WG1720634,ICAL19461
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 07:25:19 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

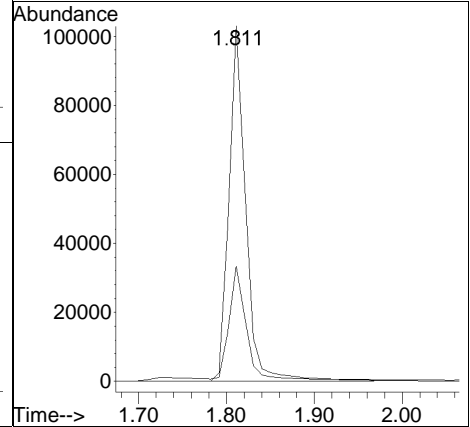
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

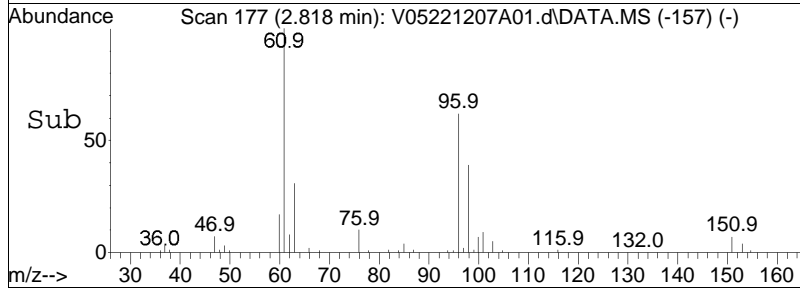
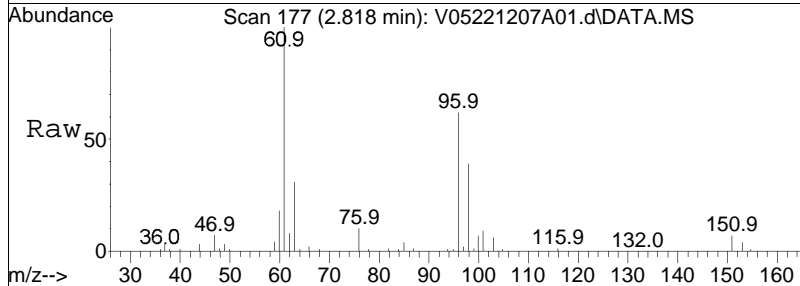
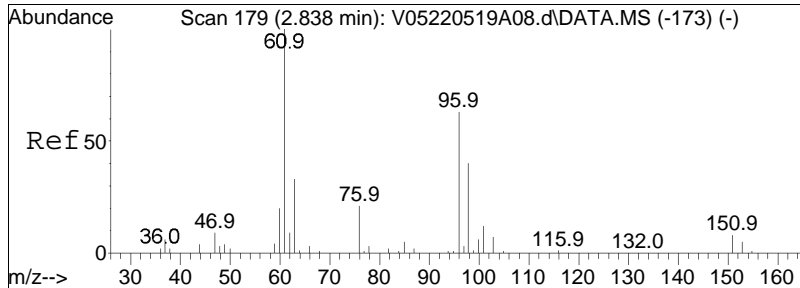




#4
 Vinyl chloride
 Concen: 8.72 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

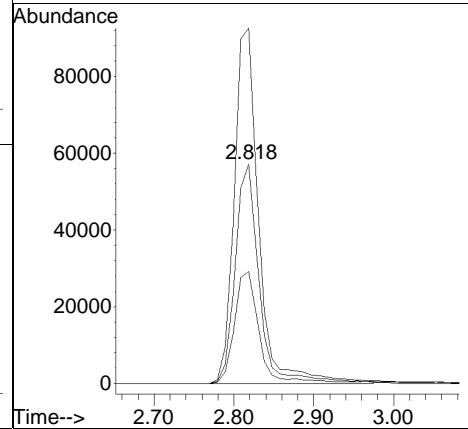
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 32.5 | 13.5 | 53.5 |

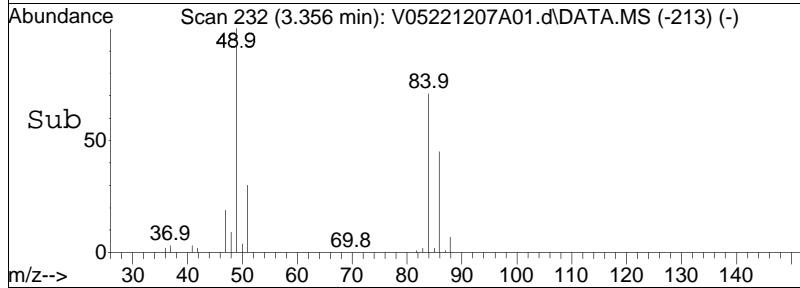
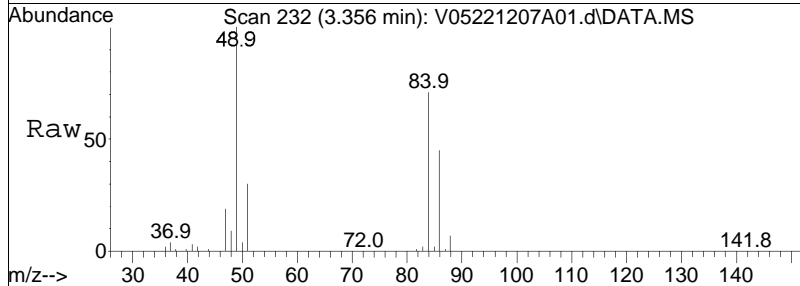
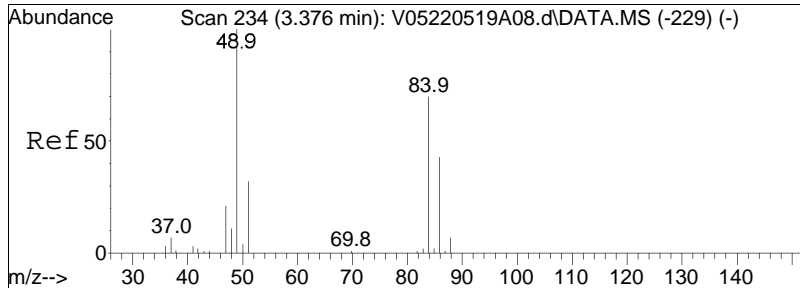




#10
 1,1-Dichloroethene
 Concen: 10.85 ug/L
 RT: 2.818 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

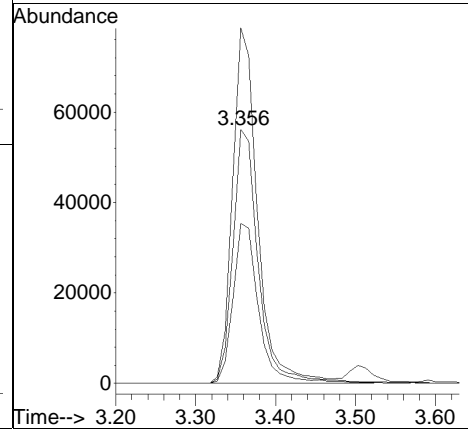
| Tgt Ion: | 96 | Resp: | 119791 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 164.5 | 136.7 | 205.1 |
| 63 | 52.1 | 45.0 | 67.6 |

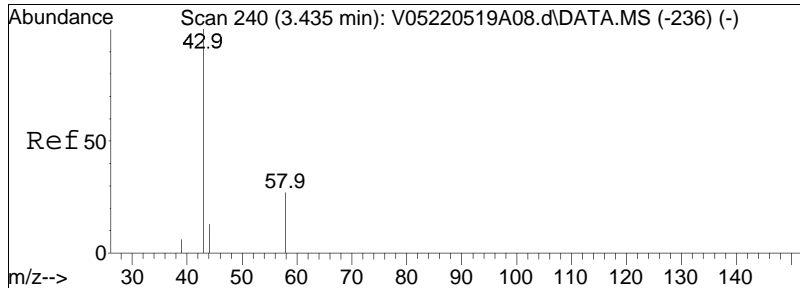




#15
 Methylene chloride
 Concen: 10.47 ug/L
 RT: 3.356 min Scan# 232
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

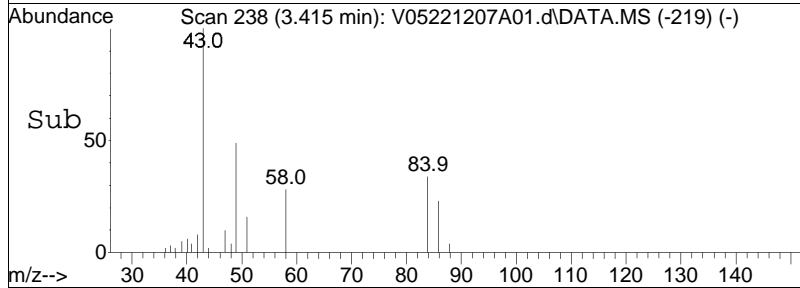
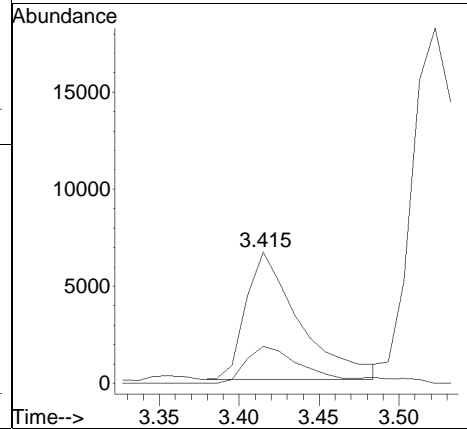
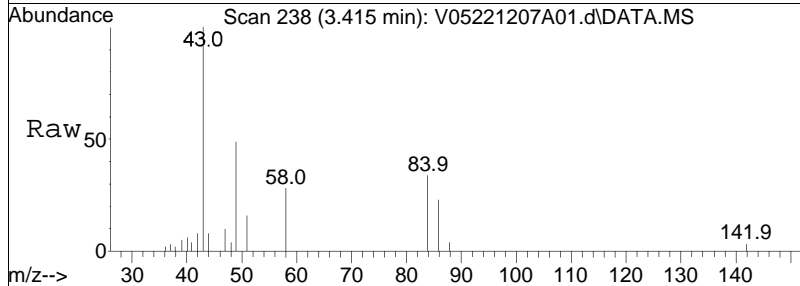
| Tgt Ion: | 84 | Resp: | 124349 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 63.8 | 42.1 | 87.5 |
| 49 | 137.1 | 69.3 | 143.9 |

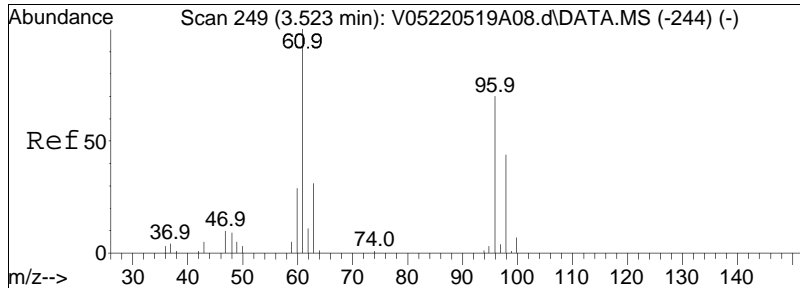




#17
 Acetone
 Concen: 9.13 ug/L
 RT: 3.415 min Scan# 238
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

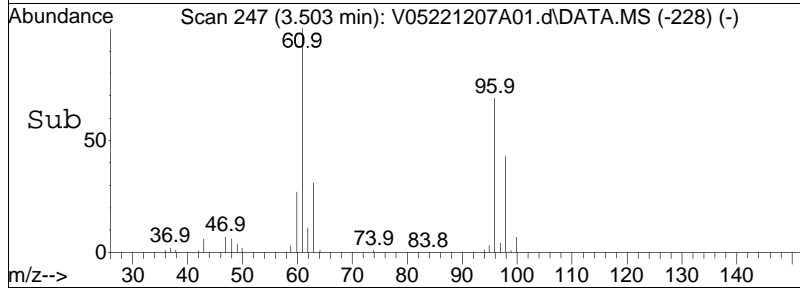
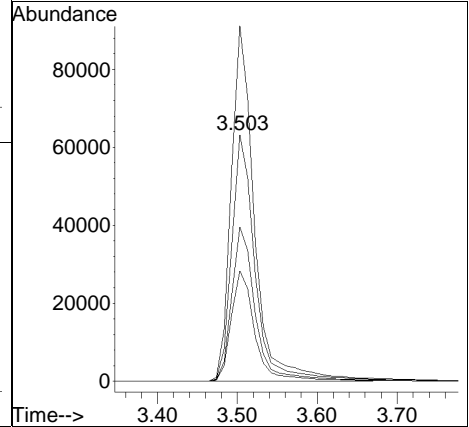
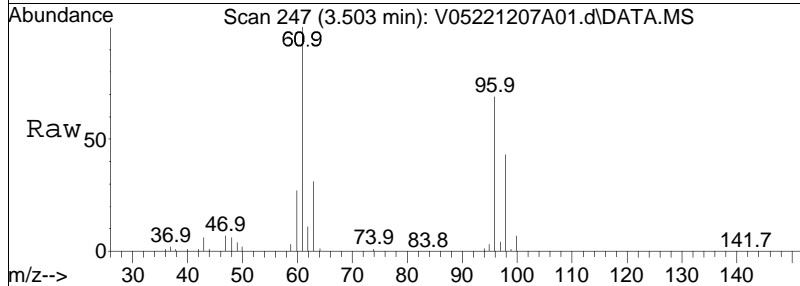
Tgt Ion: 43 Resp: 15377
 Ion Ratio Lower Upper
 43 100
 58 30.4 22.0 33.0

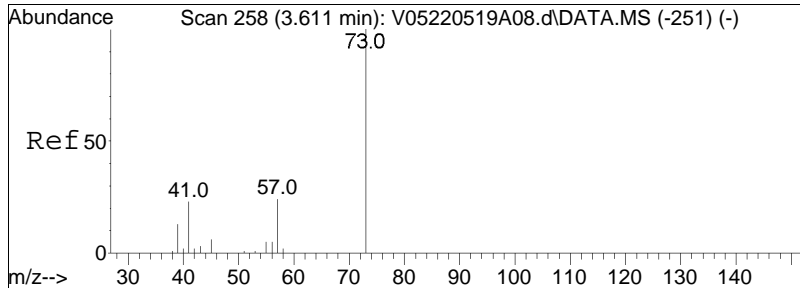




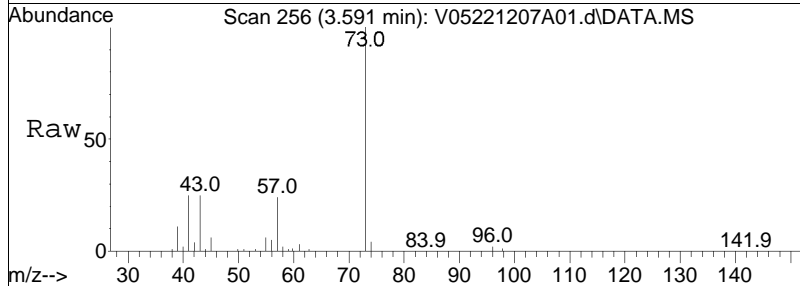
#18
 trans-1,2-Dichloroethene
 Concen: 10.51 ug/L
 RT: 3.503 min Scan# 247
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 96 | 100 | | |
| 61 | 142.7 | 91.7 | 190.5 |
| 98 | 63.4 | 41.1 | 85.5 |
| 63 | 45.5 | 29.4 | 61.0 |

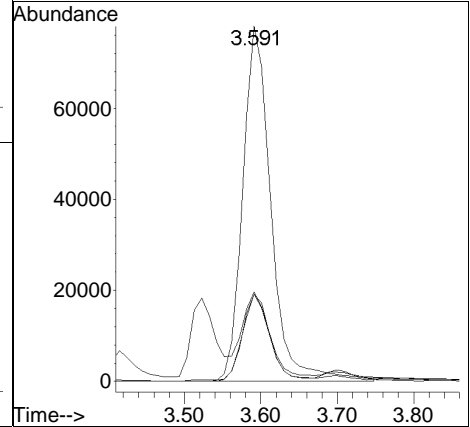
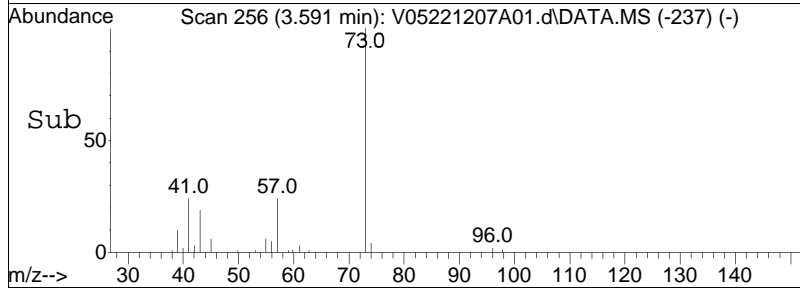


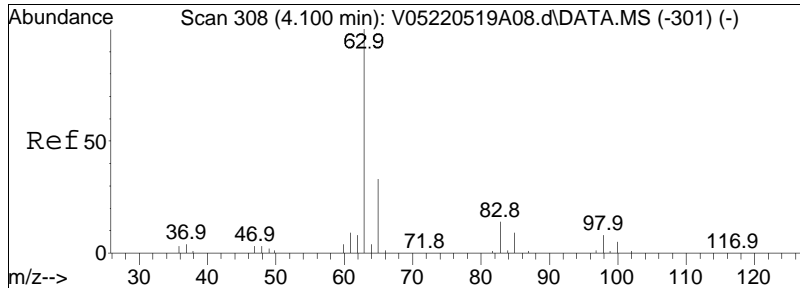


#20
 Methyl tert-butyl ether
 Concen: 8.97 ug/L
 RT: 3.591 min Scan# 256
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am



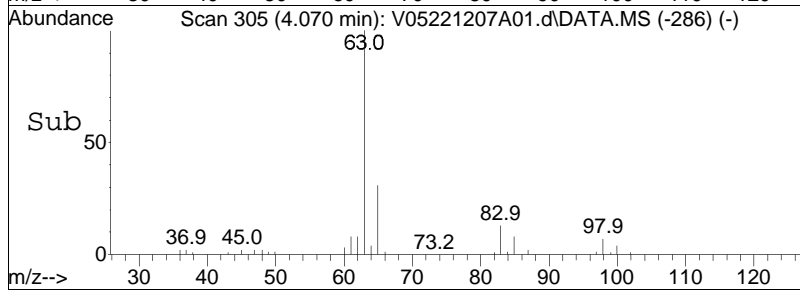
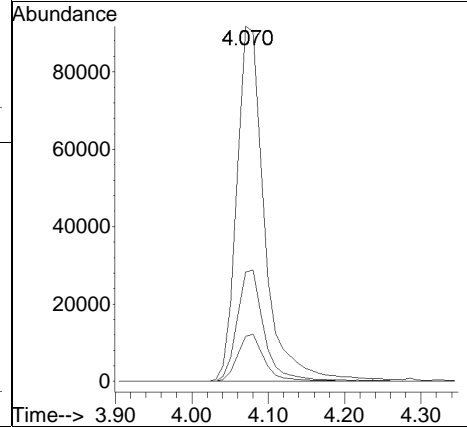
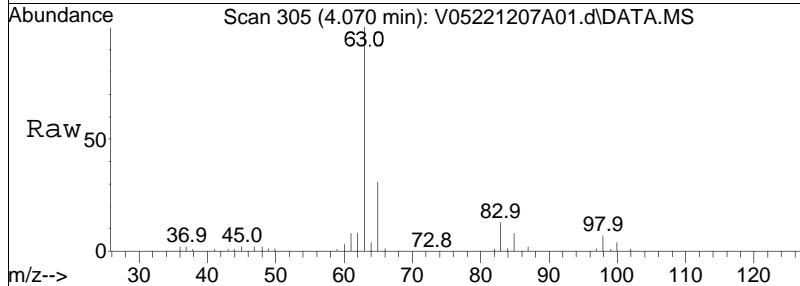
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 73 | 201876 | | |
| 57 | 24.0 | 11.8 | 24.6 |
| 43 | 23.9 | 13.5 | 27.9 |
| 41 | 23.0 | 13.3 | 27.5 |

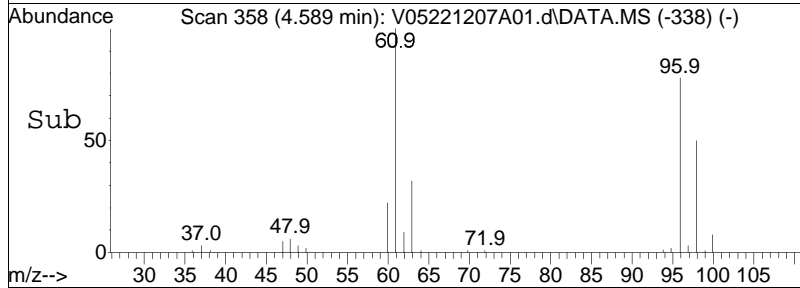
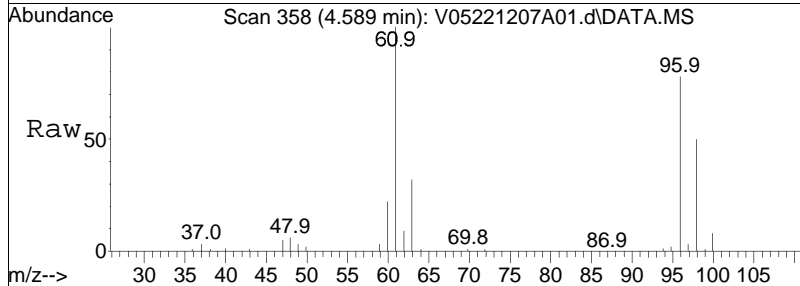
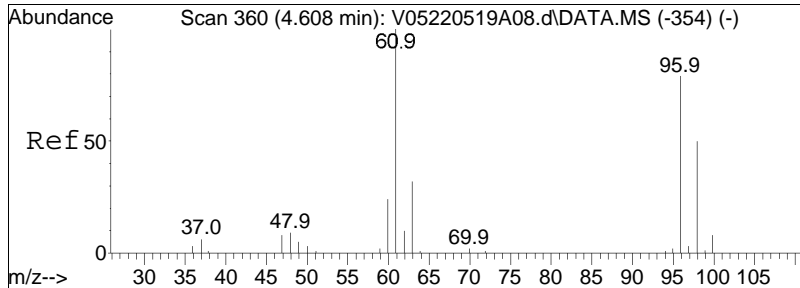




#23
 1,1-Dichloroethane
 Concen: 9.50 ug/L
 RT: 4.070 min Scan# 305
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

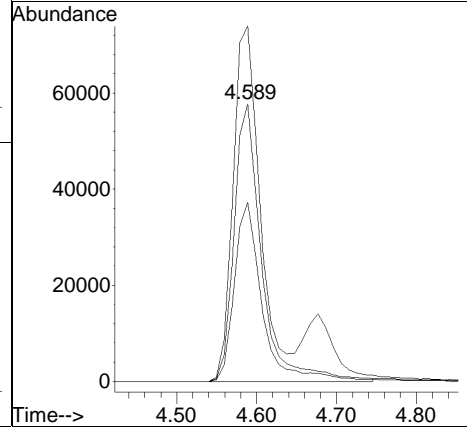
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 63 | 100 | | |
| 65 | 30.6 | 11.9 | 51.9 |
| 83 | 12.9 | 0.0 | 34.2 |

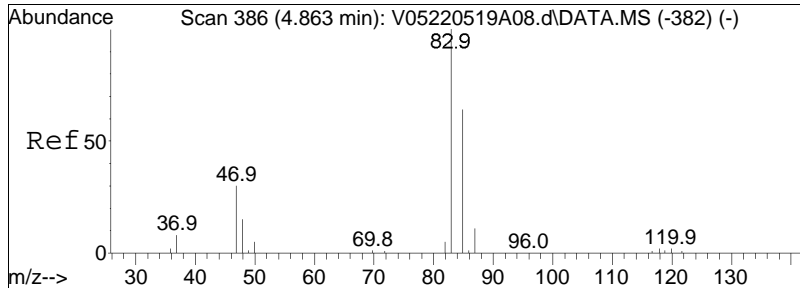




#28
 cis-1,2-Dichloroethene
 Concen: 9.94 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

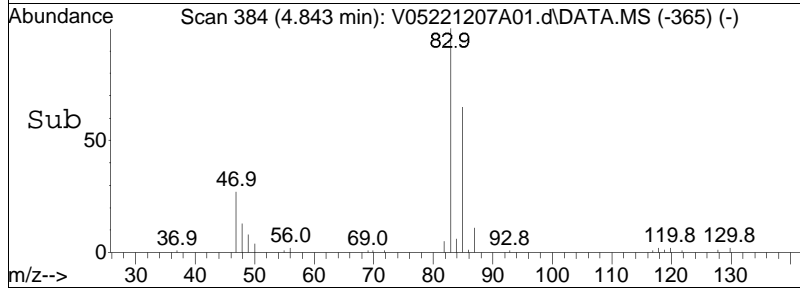
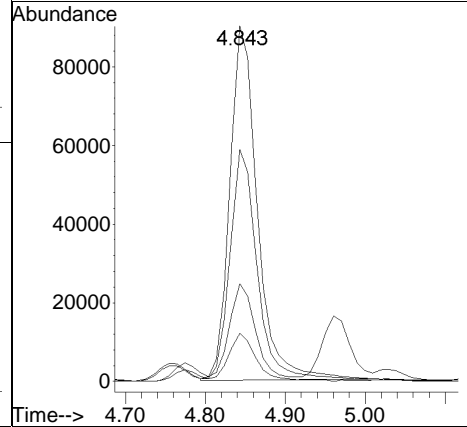
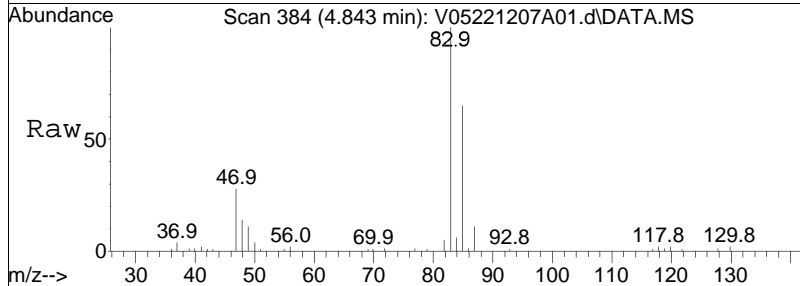
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 124.4 | 100.5 | 150.7 |
| 98 | 65.2 | 49.8 | 74.8 |

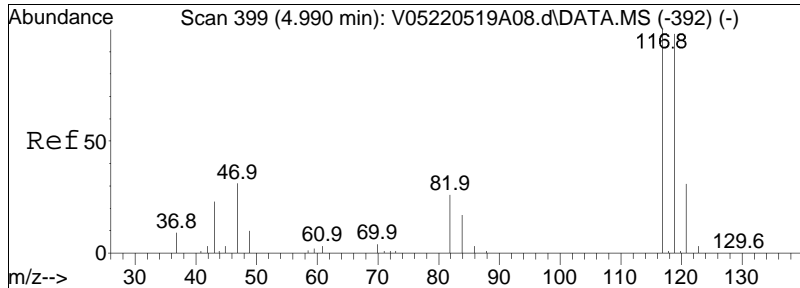




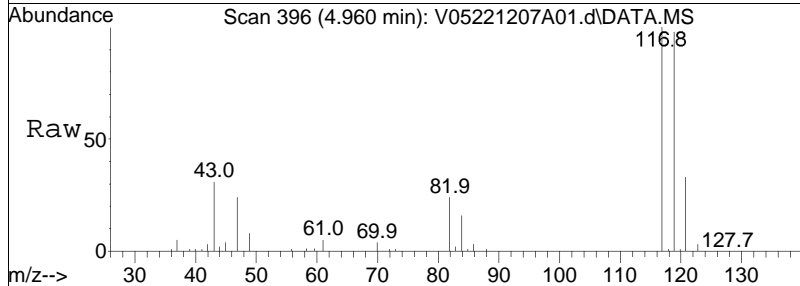
#32
 Chloroform
 Concen: 9.95 ug/L
 RT: 4.843 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 83 | 216988 | | |
| 85 | 64.6 | 42.8 | 89.0 |
| 47 | 24.5 | 13.7 | 28.4 |
| 48 | 13.7 | 6.9 | 14.3 |

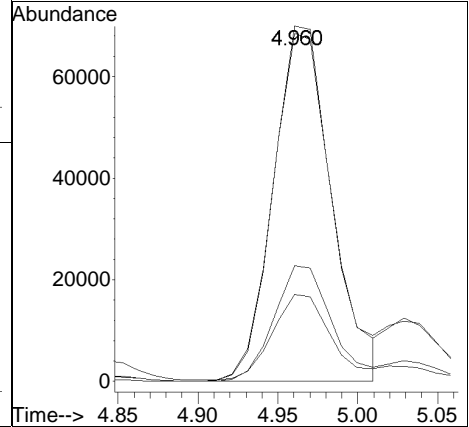
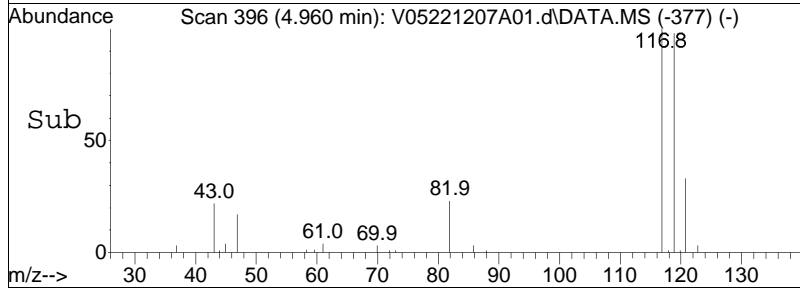


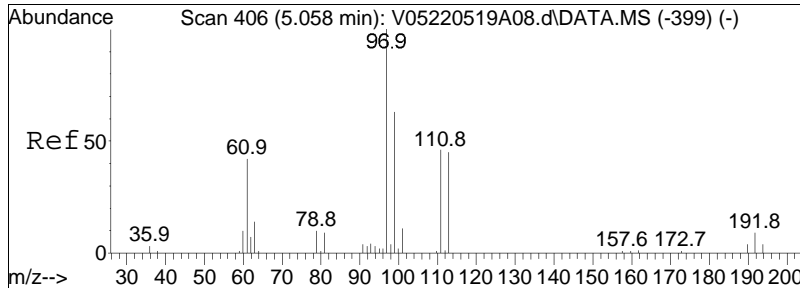


#34
 Carbon tetrachloride
 Concen: 9.14 ug/L
 RT: 4.960 min Scan# 396
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am



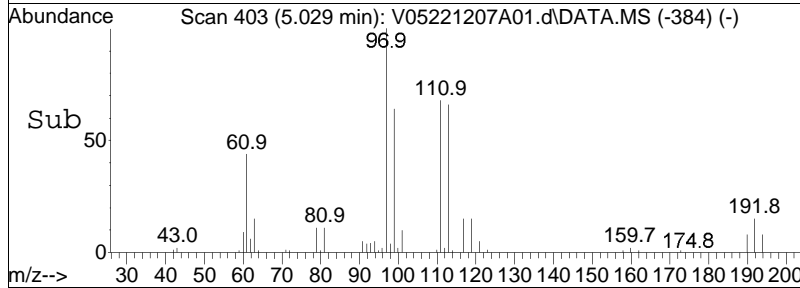
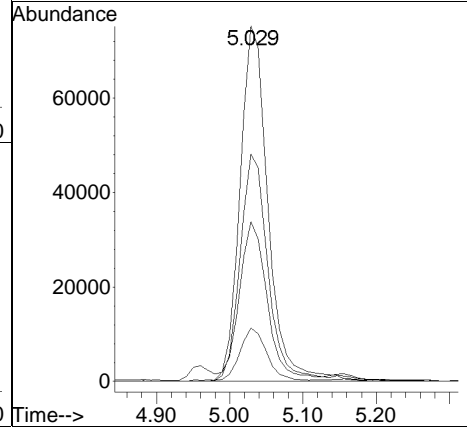
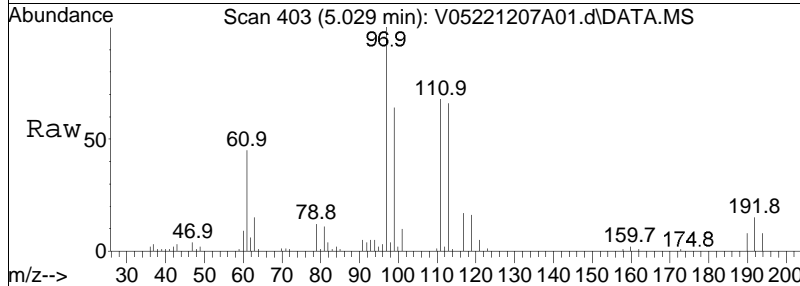
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 117 | 178423 | | |
| 117 | 100 | | |
| 119 | 98.8 | 63.6 | 132.2 |
| 121 | 32.2 | 19.8 | 41.0 |
| 82 | 24.0 | 15.9 | 32.9 |

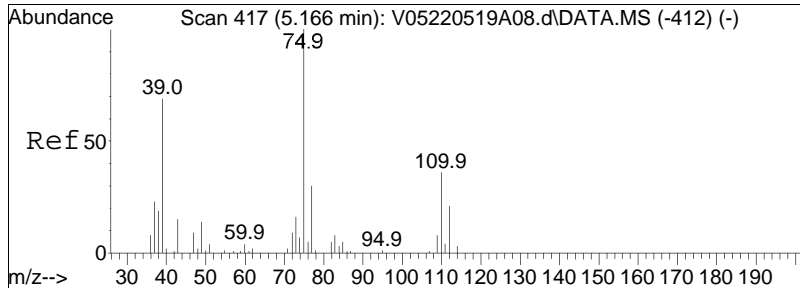




#37
 1,1,1-Trichloroethane
 Concen: 9.86 ug/L
 RT: 5.029 min Scan# 403
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

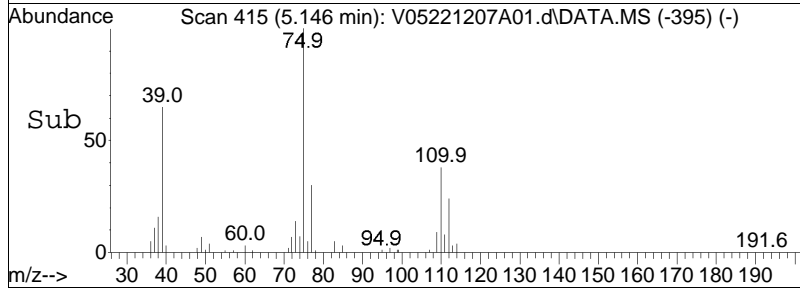
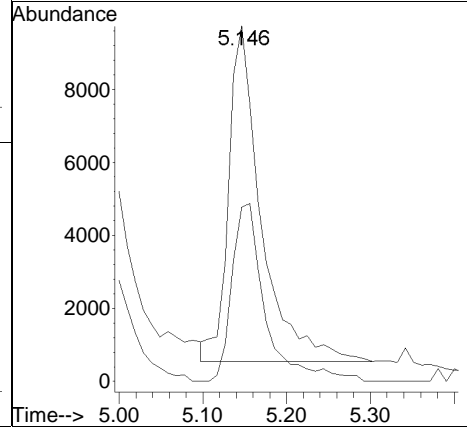
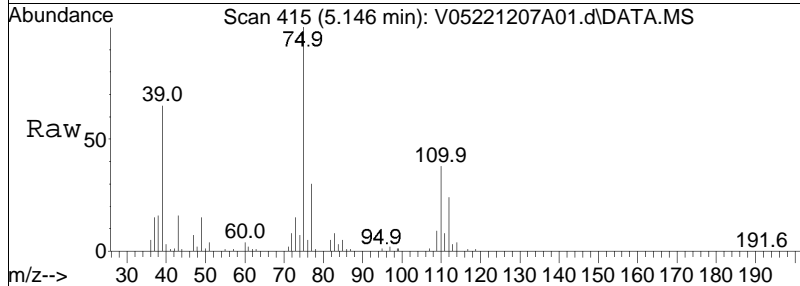
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 64.2 | 41.7 | 86.5 |
| 61 | 43.6 | 26.1 | 54.3 |
| 63 | 14.8 | 8.5 | 17.6 |

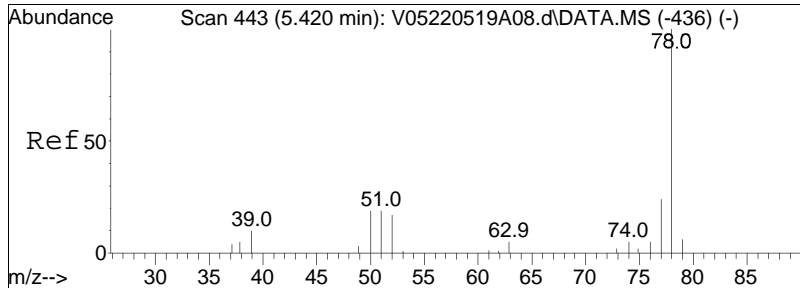




#39
 2-Butanone
 Concen: 9.42 ug/L
 RT: 5.146 min Scan# 415
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

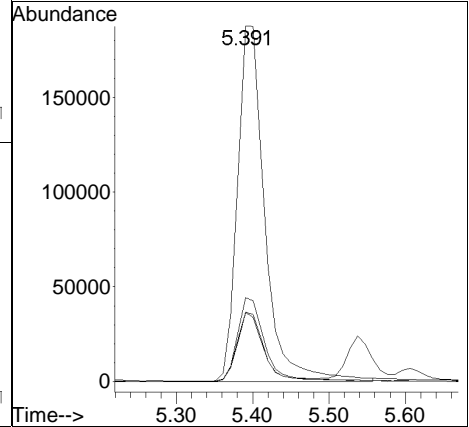
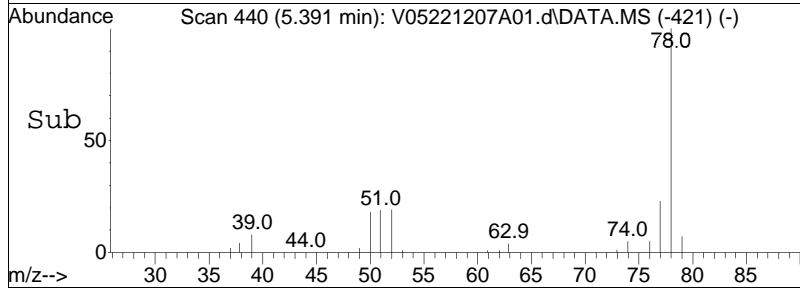
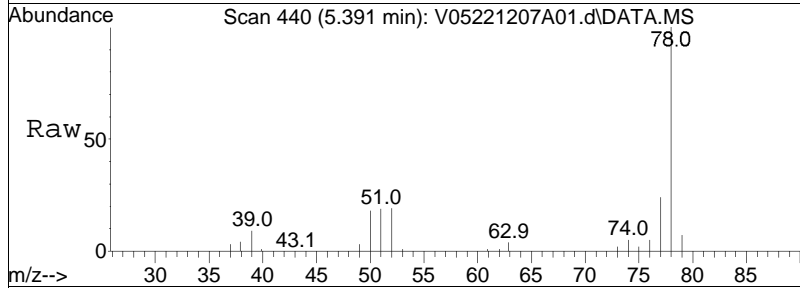
Tgt Ion: 43 Resp: 24848
 Ion Ratio Lower Upper
 43 100
 72 54.5 55.6 83.4#

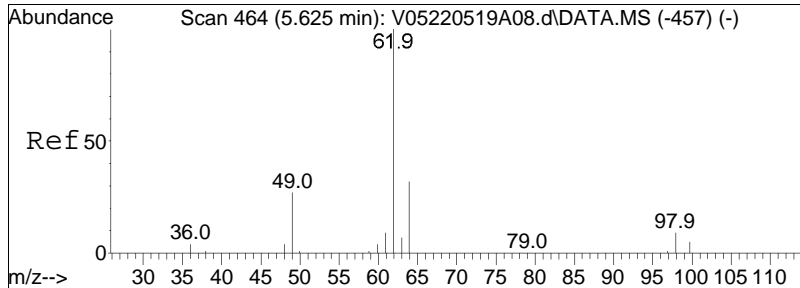




#41
 Benzene
 Concen: 10.03 ug/L
 RT: 5.391 min Scan# 440
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

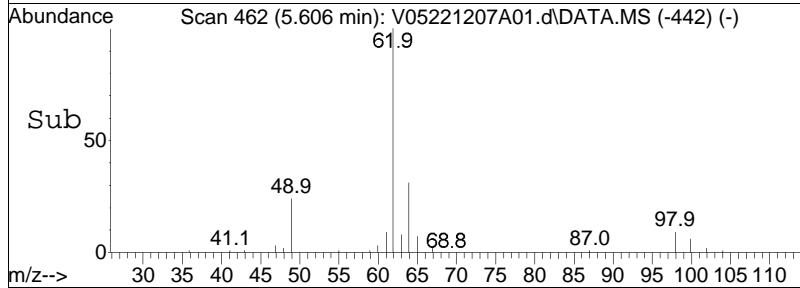
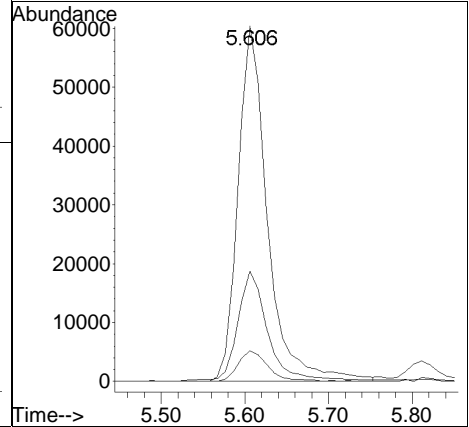
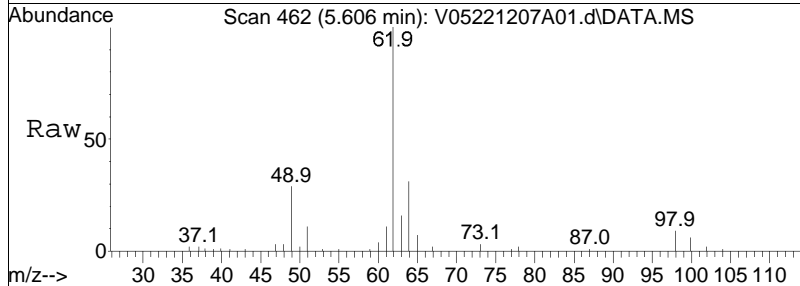
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 23.1 | 15.2 | 31.6 |
| 51 | 19.0 | 10.5 | 21.7 |
| 52 | 19.0 | 9.5 | 19.7 |

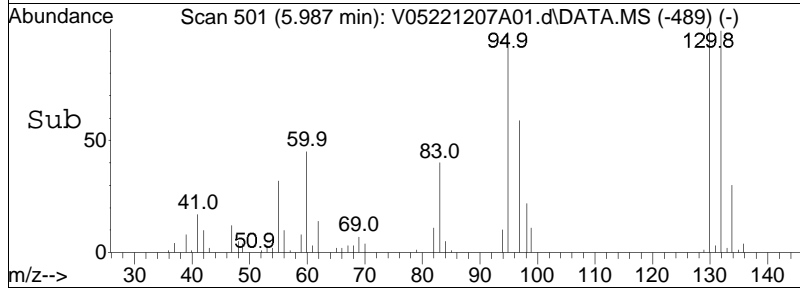
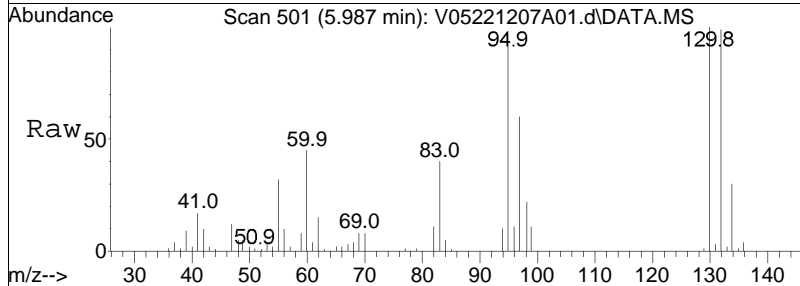
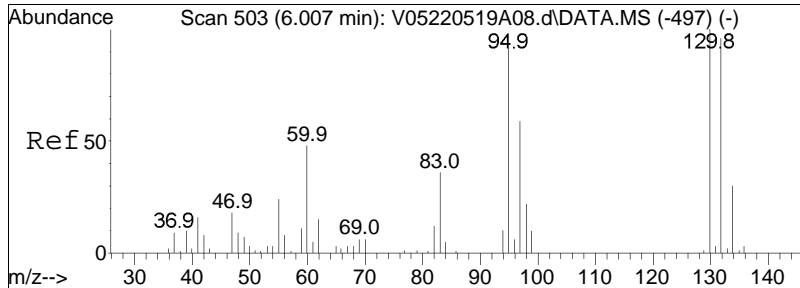




#44
 1,2-Dichloroethane
 Concen: 8.99 ug/L
 RT: 5.606 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

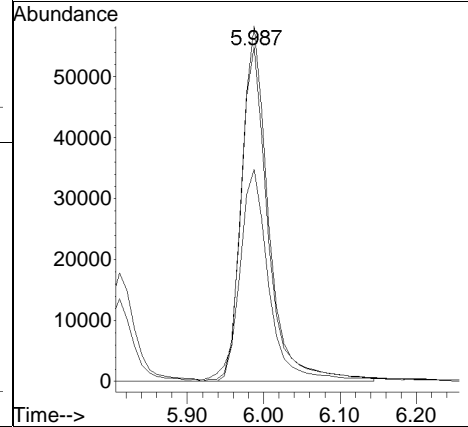
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.0 | 13.2 | 53.2 |
| 98 | 8.7 | 0.0 | 27.8 |

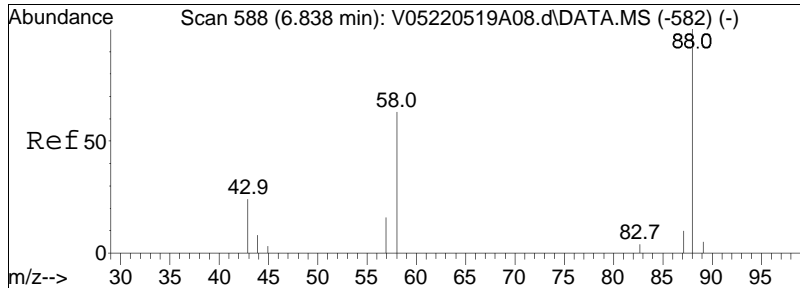




#48
 Trichloroethene
 Concen: 9.41 ug/L
 RT: 5.987 min Scan# 501
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

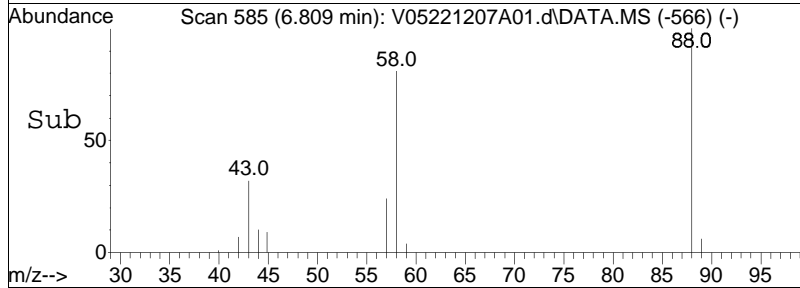
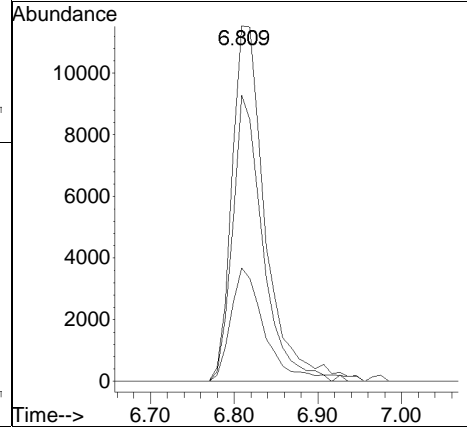
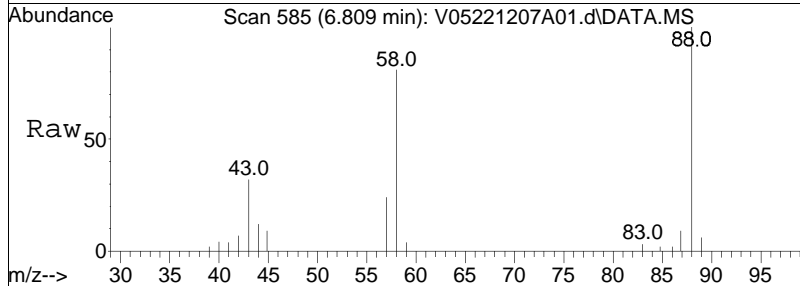
| Tgt Ion: | 95 | Resp: | 135800 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 65.7 | 56.1 | 84.1 |
| 130 | 105.0 | 77.7 | 116.5 |

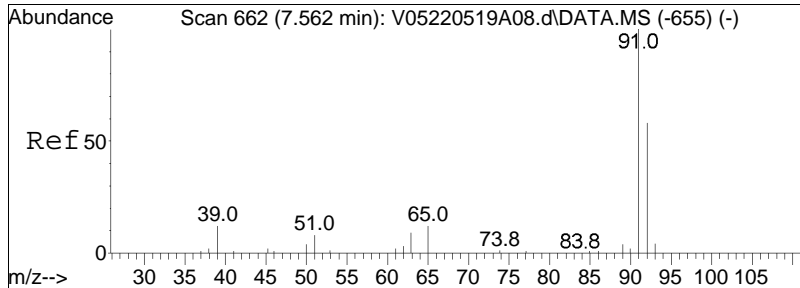




#57
 1,4-Dioxane
 Concen: 579.55 ug/L
 RT: 6.809 min Scan# 585
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

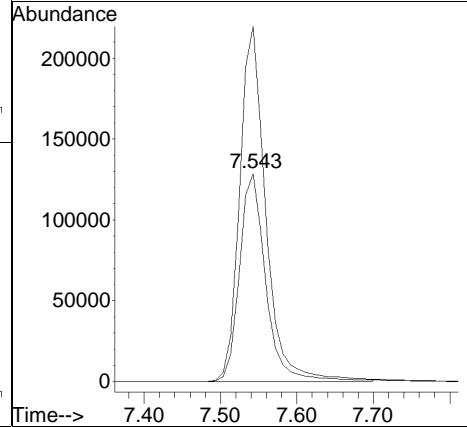
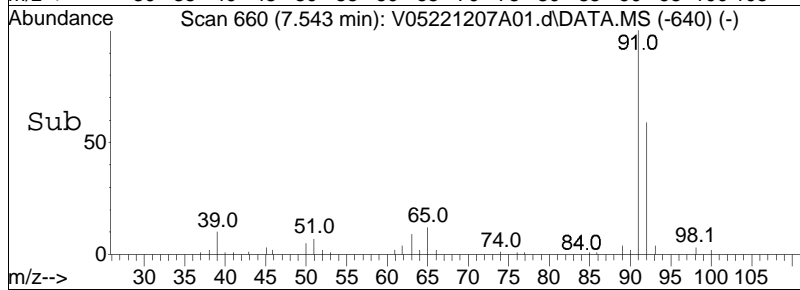
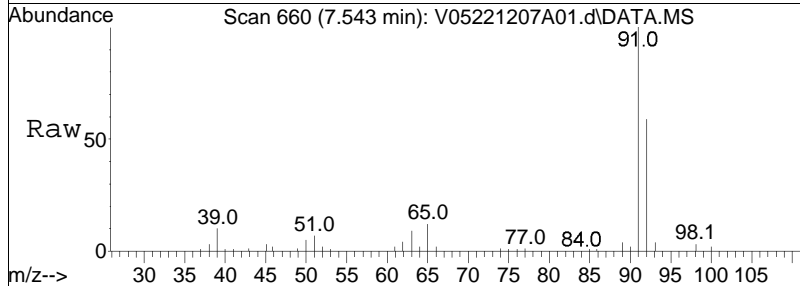
| Tgt Ion: | 88 | Resp: | 32077 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 74.1 | 50.6 | 75.8 |
| 43 | 32.4 | 20.5 | 30.7# |

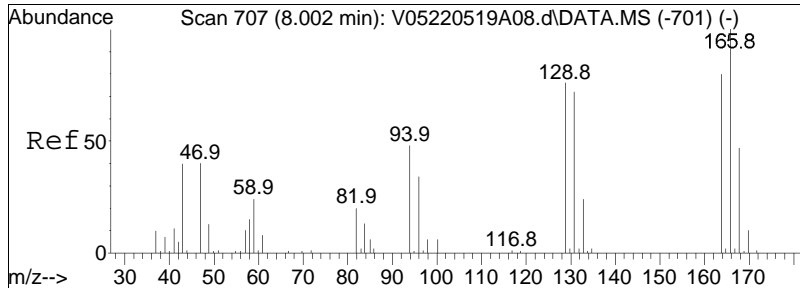




#61
 Toluene
 Concen: 10.29 ug/L
 RT: 7.543 min Scan# 660
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

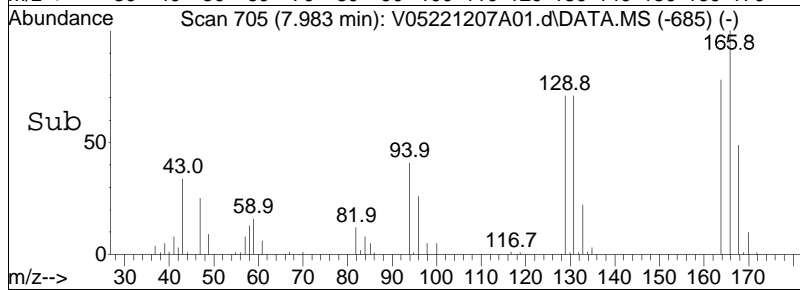
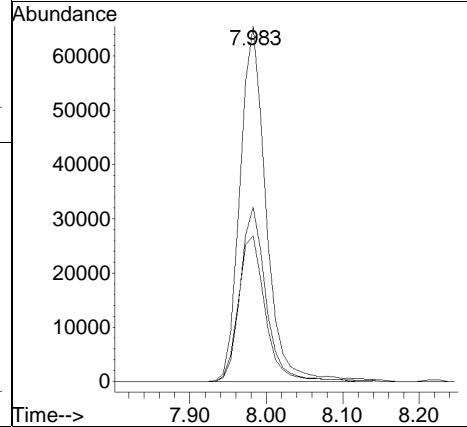
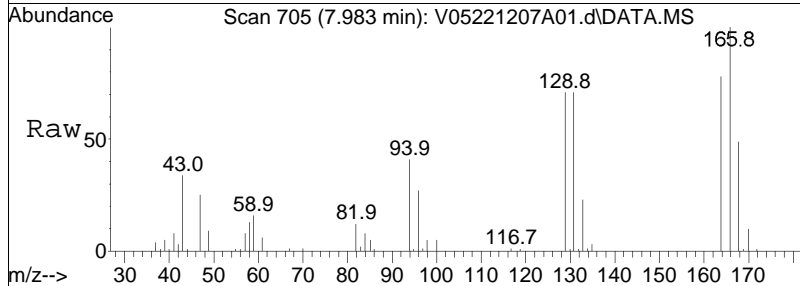
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 92 | 100 | | |
| 91 | 169.6 | 135.2 | 202.8 |

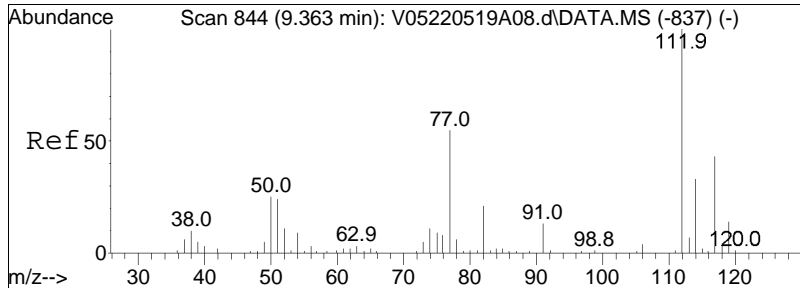




#63
 Tetrachloroethene
 Concen: 10.76 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

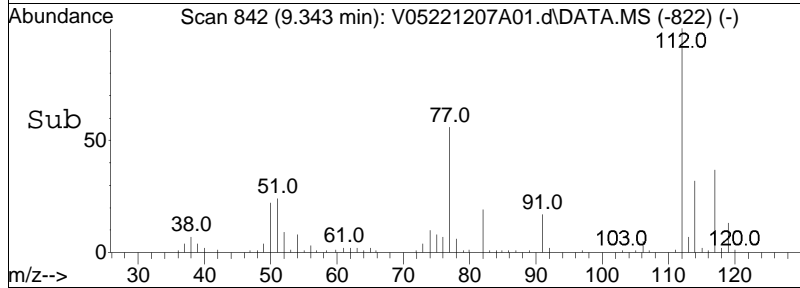
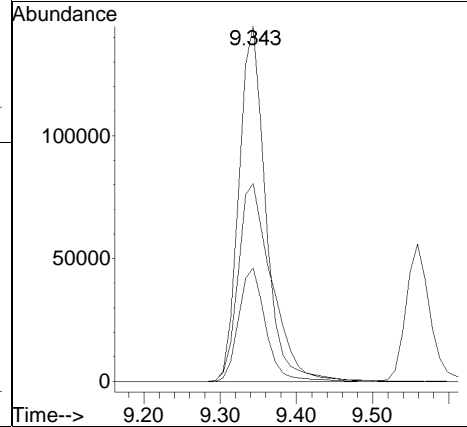
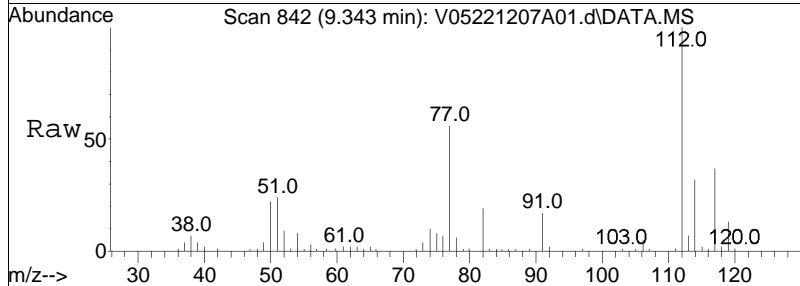
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 48.0 | 30.2 | 70.2 |
| 94 | 42.4 | 32.5 | 72.5 |

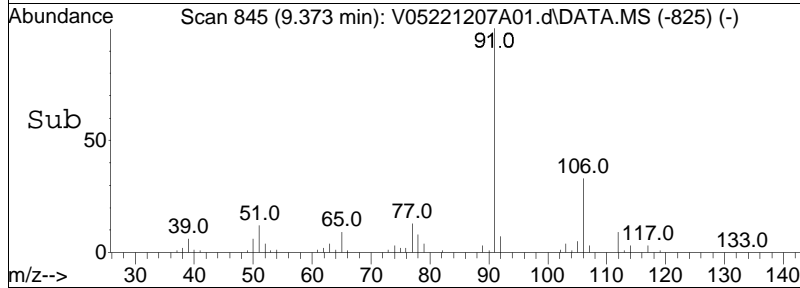
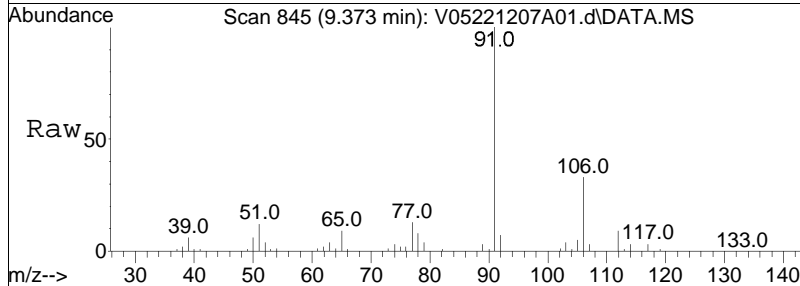
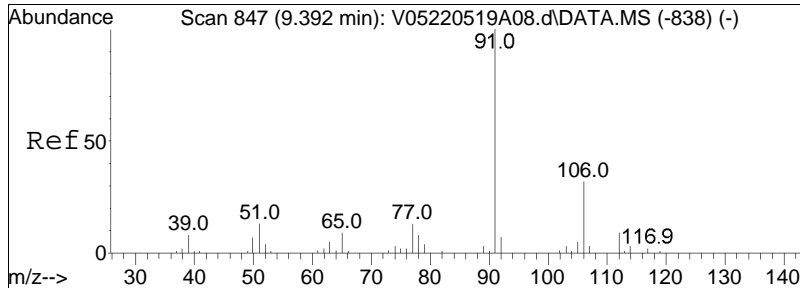




#73
 Chlorobenzene
 Concen: 10.37 ug/L
 RT: 9.343 min Scan# 842
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

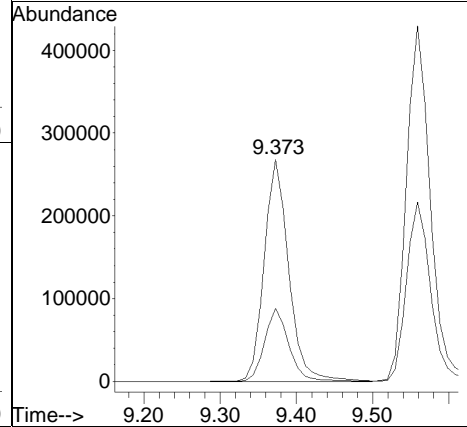
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112 | 100 | | |
| 77 | 70.0 | 66.1 | 99.1 |
| 114 | 32.2 | 25.4 | 38.0 |

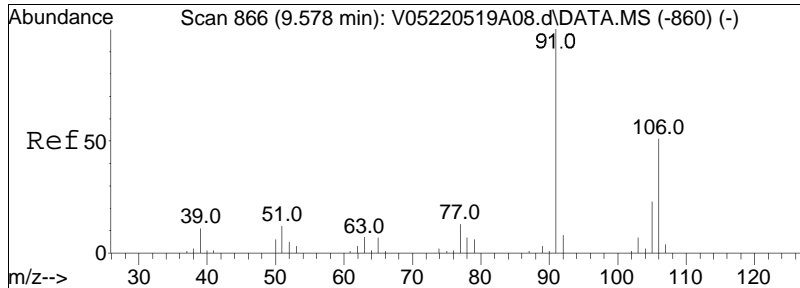




#74
 Ethylbenzene
 Concen: 10.12 ug/L
 RT: 9.373 min Scan# 845
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

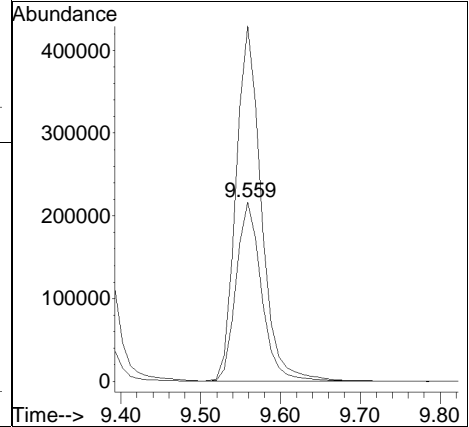
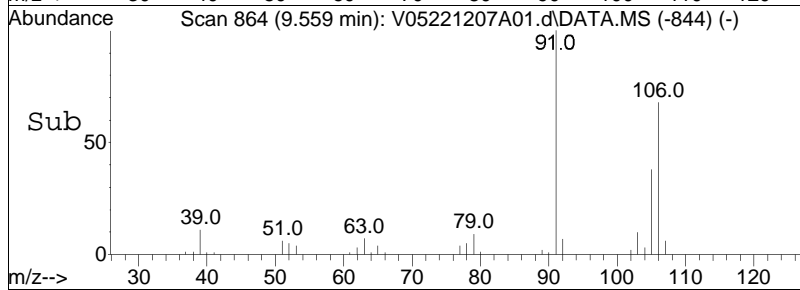
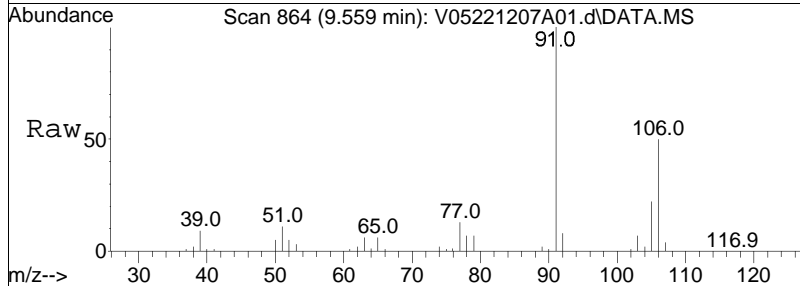
| Tgt Ion: | 91 | Resp: | 600103 |
|-----------|------|-------|--------|
| Ion Ratio | 100 | Lower | Upper |
| 91 | 100 | | |
| 106 | 32.5 | 22.9 | 34.3 |

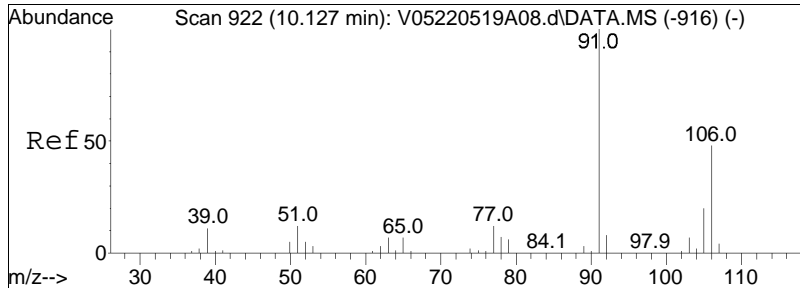




#76
 p/m Xylene
 Concen: 20.18 ug/L
 RT: 9.559 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

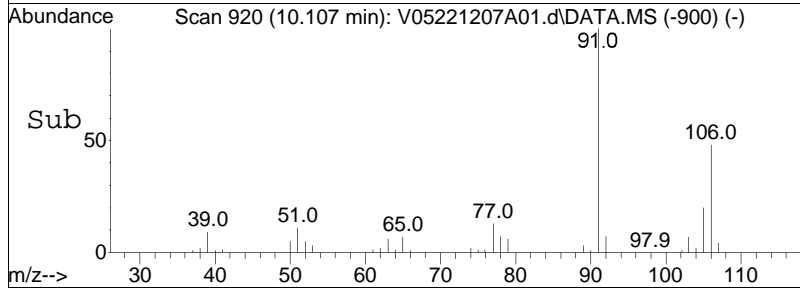
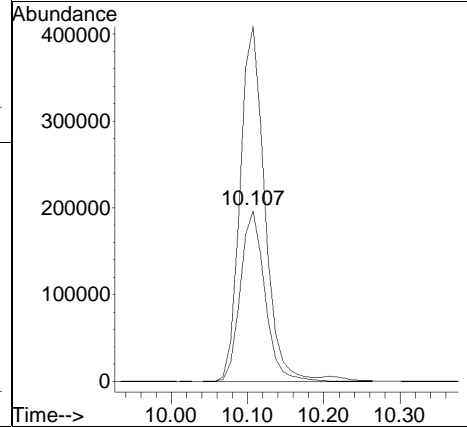
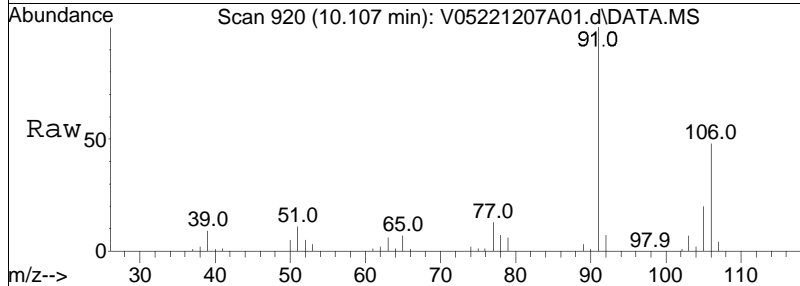
Tgt Ion: 106 Resp: 477749
 Ion Ratio Lower Upper
 106 100
 91 197.1 177.2 265.8

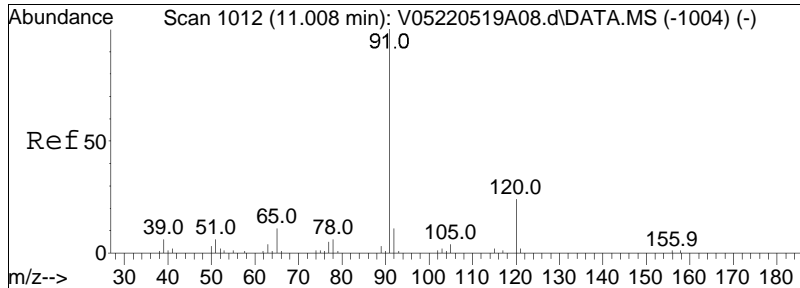




#77
 o Xylene
 Concen: 19.97 ug/L
 RT: 10.107 min Scan# 920
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

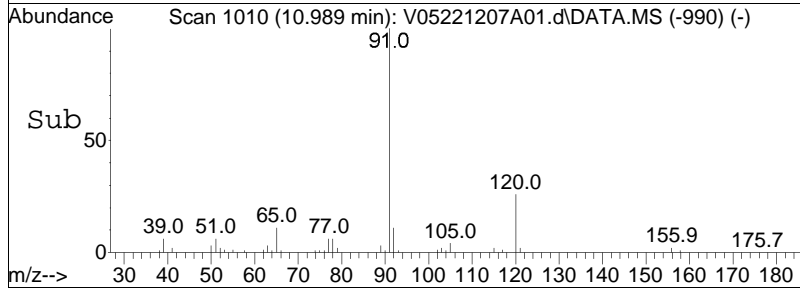
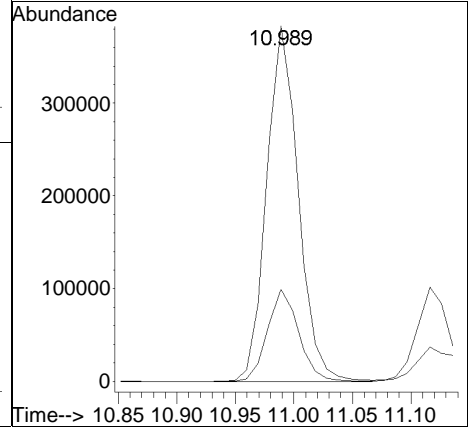
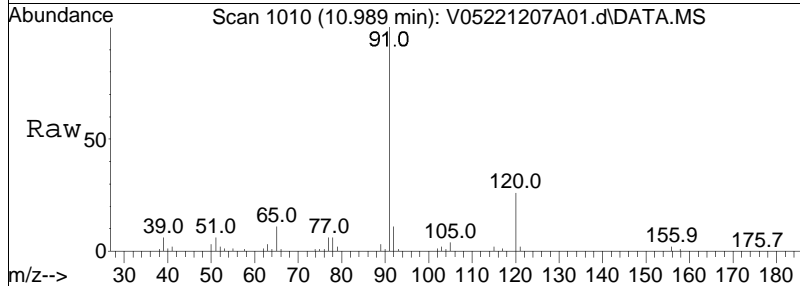
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 206.7 | 187.0 | 280.6 |

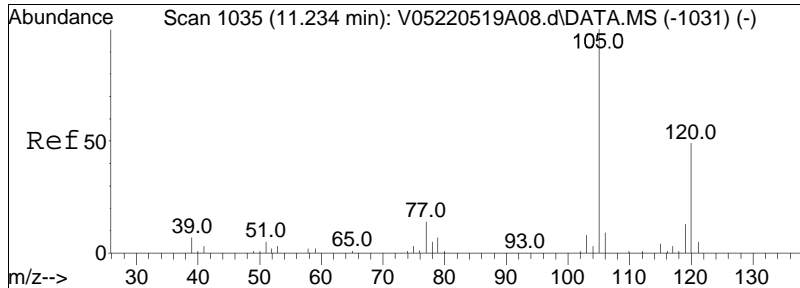




#85
 n-Propylbenzene
 Concen: 10.18 ug/L
 RT: 10.989 min Scan# 1010
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

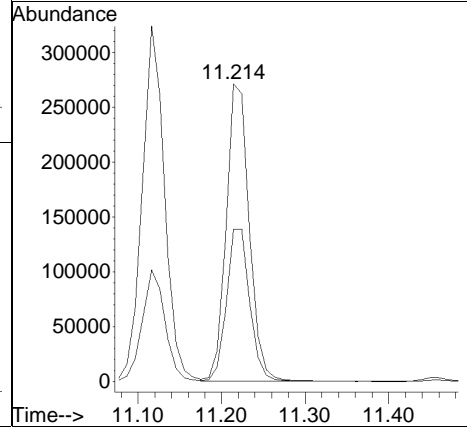
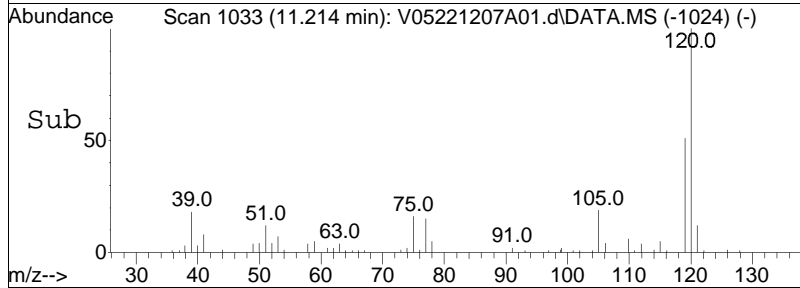
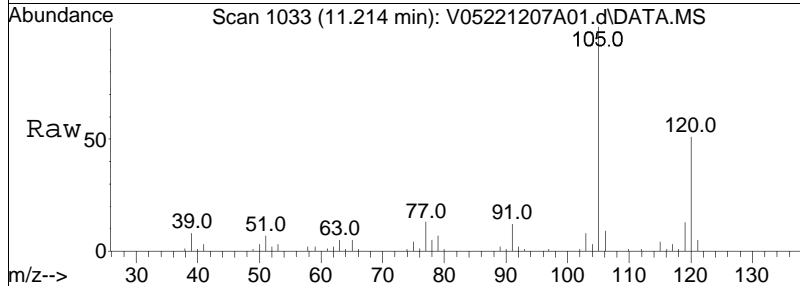
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 120 | 25.5 | 17.3 | 25.9 |

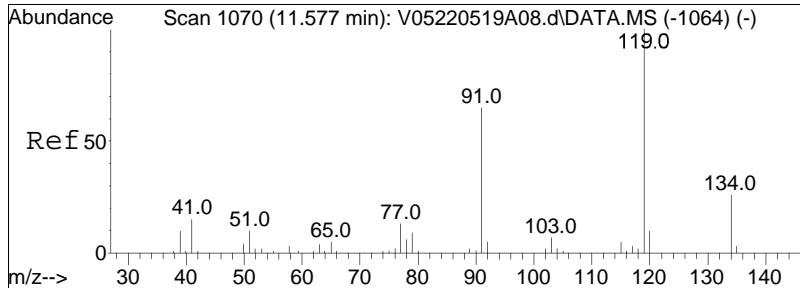




#90
 1,3,5-Trimethylbenzene
 Concen: 10.10 ug/L
 RT: 11.214 min Scan# 1033
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

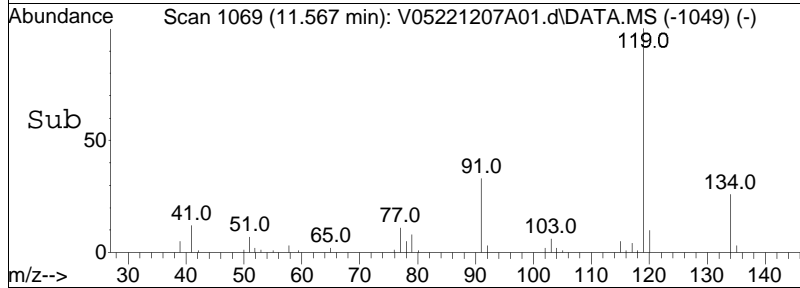
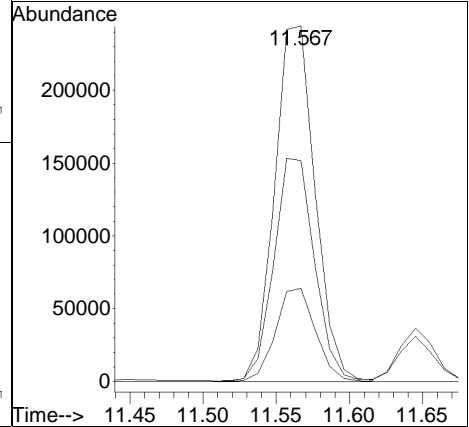
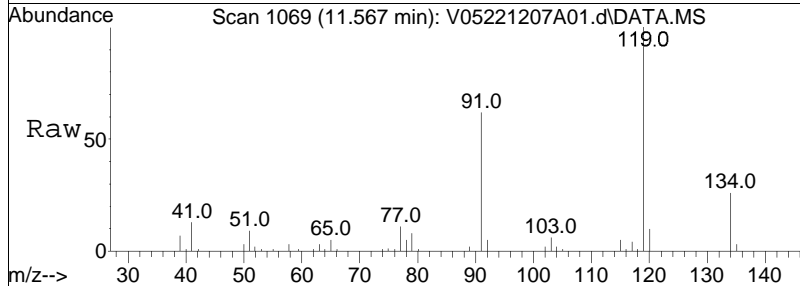
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 51.9 | 37.0 | 55.6 |

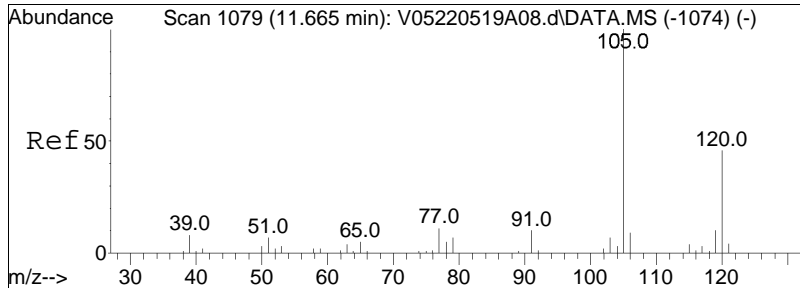




#94
 tert-Butylbenzene
 Concen: 10.37 ug/L
 RT: 11.567 min Scan# 1069
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

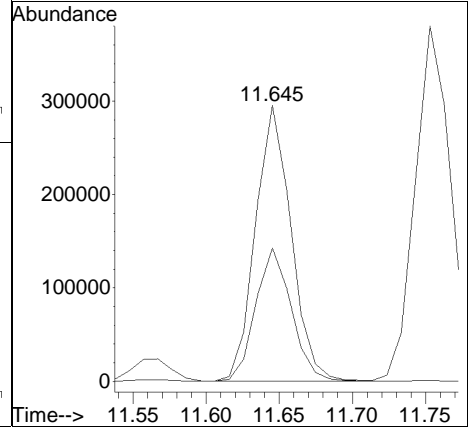
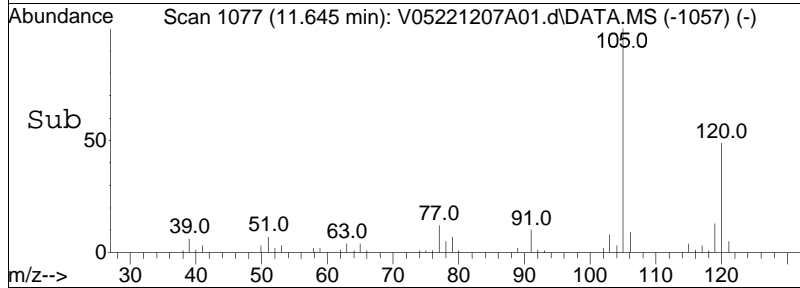
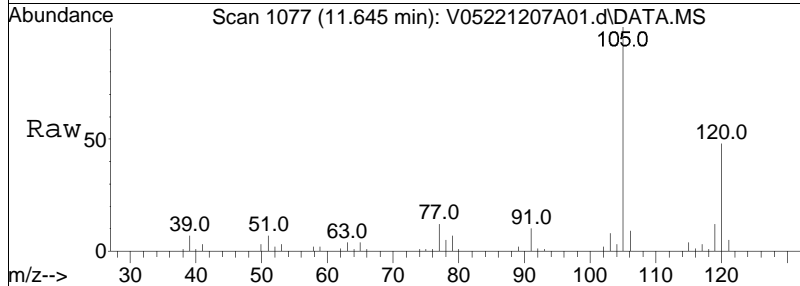
| Tgt Ion | Resp | Lower | Upper |
|-----------|--------|-------|-------|
| 119 | 471776 | | |
| Ion Ratio | | | |
| 119 | 100 | | |
| 91 | 62.5 | 49.2 | 73.8 |
| 134 | 25.7 | 18.3 | 27.5 |

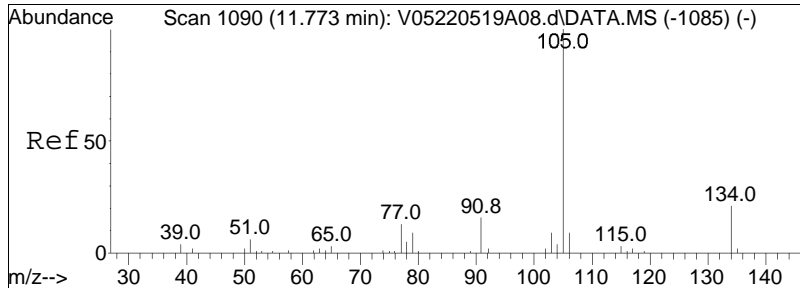




#97
 1,2,4-Trimethylbenzene
 Concen: 10.04 ug/L
 RT: 11.645 min Scan# 1077
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

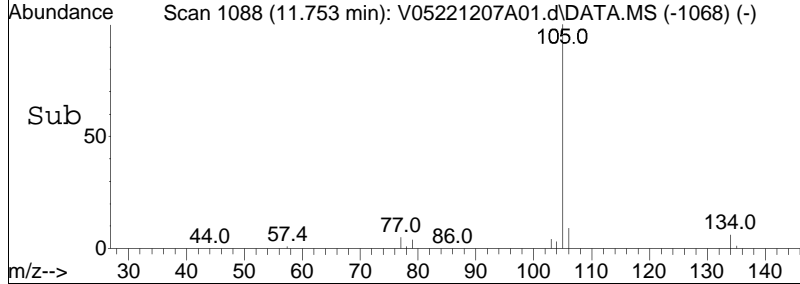
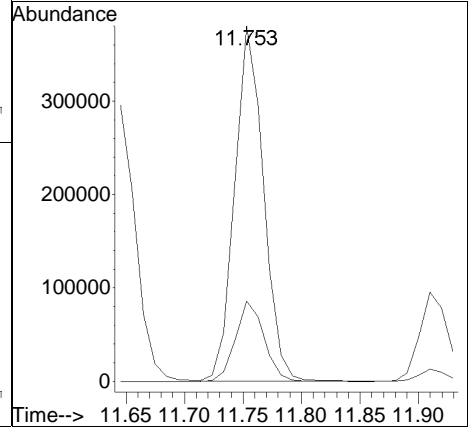
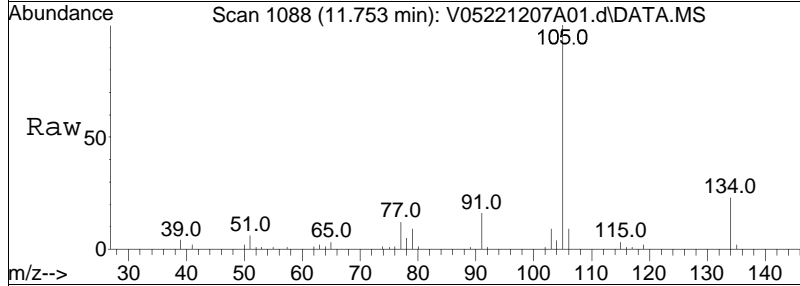
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 105 | Resp: | 501124 |
| Ion Ratio | Lower | Upper | |
| 105 | 100 | | |
| 120 | 48.3 | 34.4 | 51.6 |

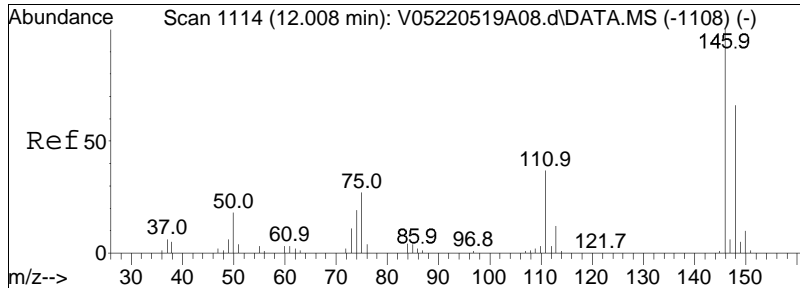




#98
 sec-Butylbenzene
 Concen: 10.13 ug/L
 RT: 11.753 min Scan# 1088
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

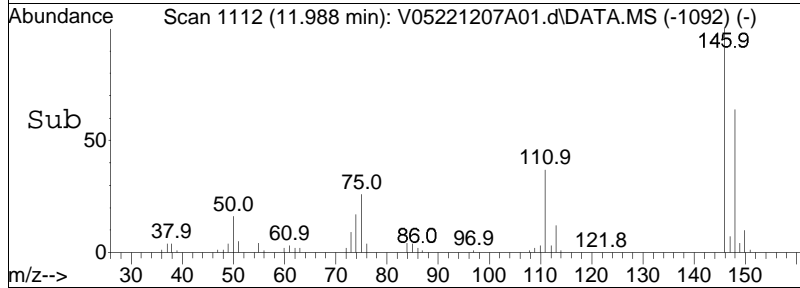
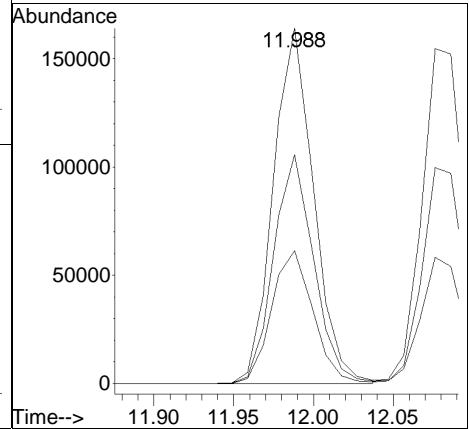
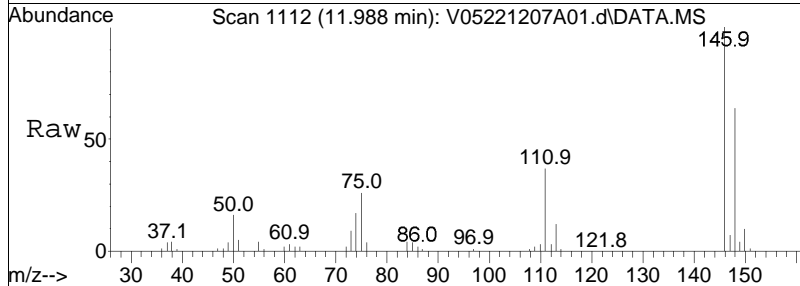
Tgt Ion: 105 Resp: 650583
 Ion Ratio Lower Upper
 105 100
 134 22.5 12.9 26.9

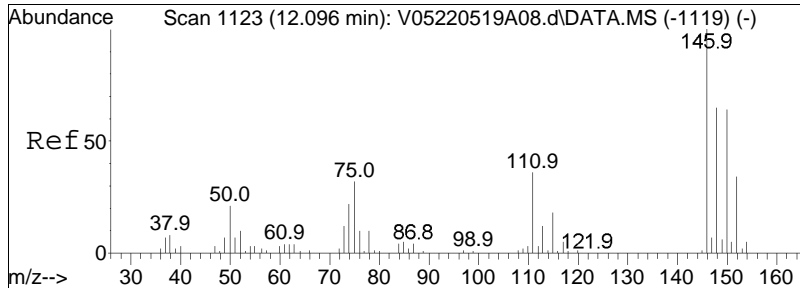




#100
 1,3-Dichlorobenzene
 Concen: 10.10 ug/L
 RT: 11.988 min Scan# 1112
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

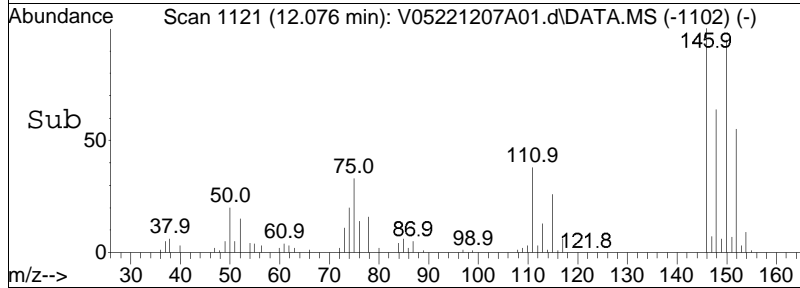
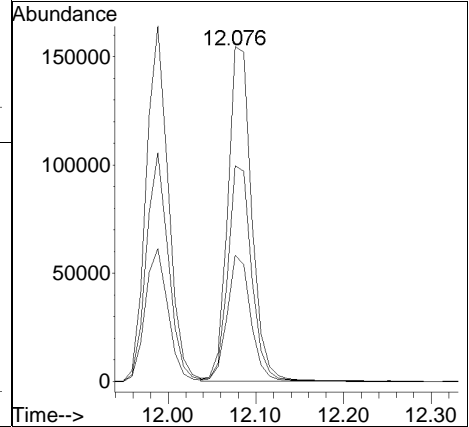
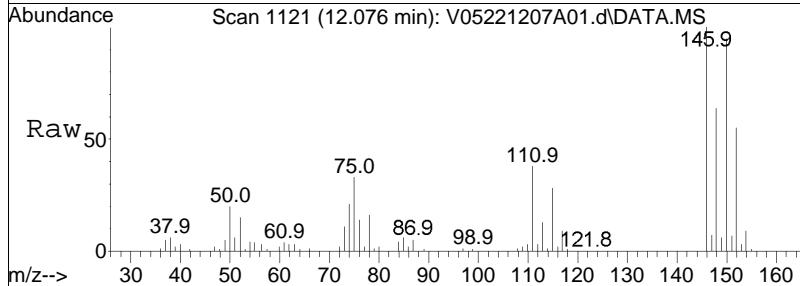
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 38.4 | 28.0 | 58.1 |
| 148 | 64.0 | 41.6 | 86.4 |

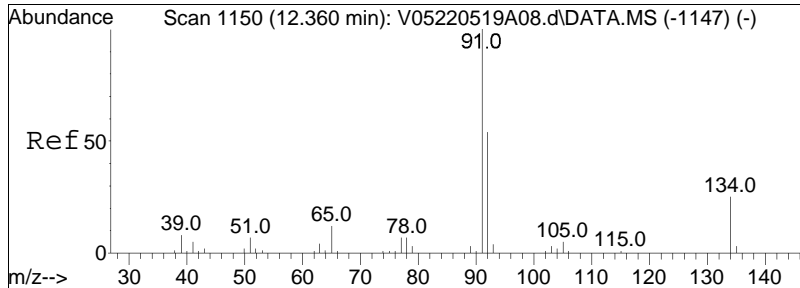




#101
 1,4-Dichlorobenzene
 Concen: 10.14 ug/L
 RT: 12.076 min Scan# 1121
 Delta R.T. -0.010 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

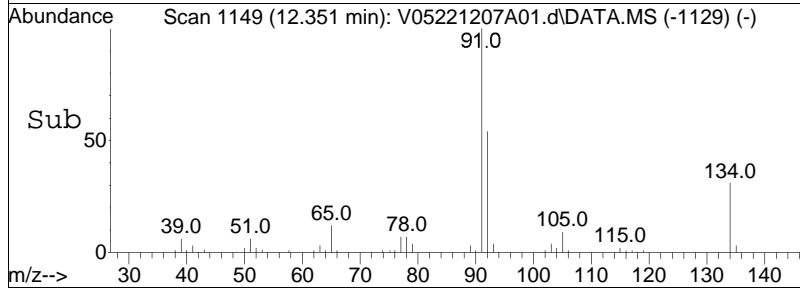
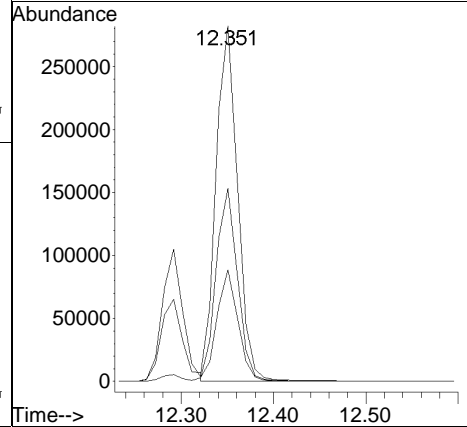
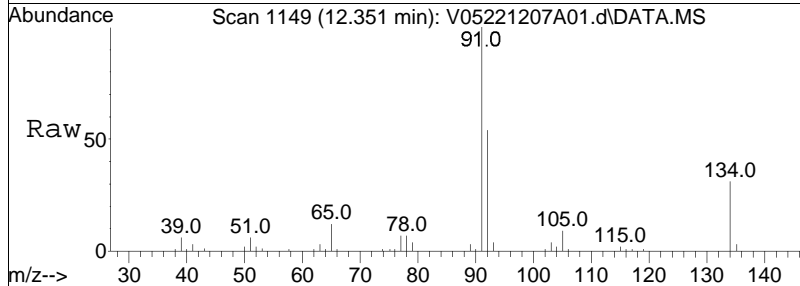
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 37.6 | 33.8 | 50.6 |
| 148 | 64.3 | 51.0 | 76.6 |

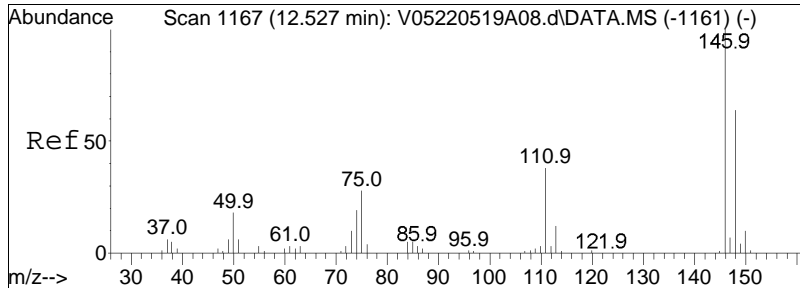




#103
 n-Butylbenzene
 Concen: 10.11 ug/L
 RT: 12.351 min Scan# 1149
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

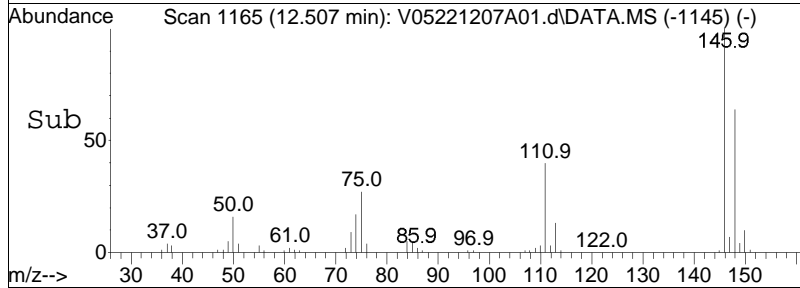
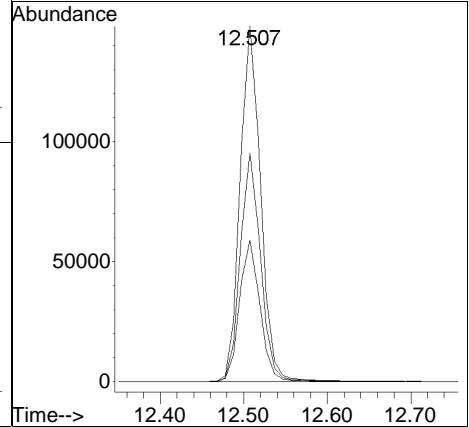
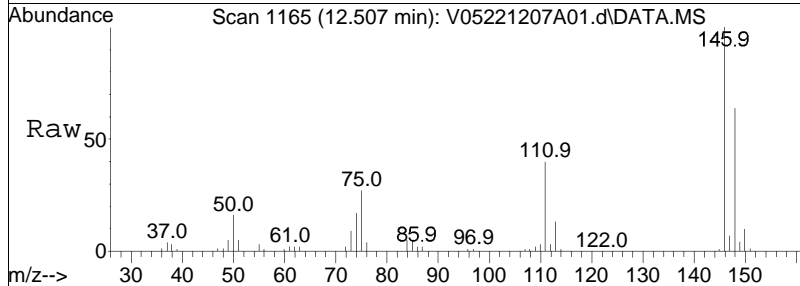
| Tgt Ion: | 91 | Resp: | 460439 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 92 | 54.3 | 44.2 | 66.2 |
| 134 | 30.1 | 20.2 | 30.2 |





#104
 1,2-Dichlorobenzene
 Concen: 9.91 ug/L
 RT: 12.507 min Scan# 1165
 Delta R.T. -0.000 min
 Lab File: V05221207A01.d
 Acq: 7 Dec 2022 7:01 am

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 39.5 | 29.1 | 60.5 |
| 148 | 63.4 | 41.7 | 86.7 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A02.d
 Acq On : 7 Dec 2022 7:24 am
 Operator : VOA105:PID
 Sample : WGI720634-4,31,10,10
 Misc : WGI720634,ICAL19461
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 08:47:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.811 | 96 | 483265 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 97.72% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 378461 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 97.24% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 215639 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 97.93% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.019 | 113 | 134285 | 9.963 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.63% | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 146617 | 9.808 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 98.08% | | |
| 60) Toluene-d8 | 7.484 | 98 | 488047 | 10.574 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 105.74% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 186945 | 10.408 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 104.08% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 138625 | 8.957 | ug/L | 98 |
| 10) 1,1-Dichloroethene | 2.818 | 96 | 121018 | 11.218 | ug/L | 98 |
| 15) Methylene chloride | 3.366 | 84 | 123993 | 10.680 | ug/L | 82 |
| 17) Acetone | 3.415 | 43 | 17895 | 10.878 | ug/L # | 86 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 132032 | 10.882 | ug/L | 97 |
| 20) Methyl tert-butyl ether | 3.591 | 73 | 214917 | 9.767 | ug/L | 92 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 234912 | 9.811 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 141564 | 10.423 | ug/L | 98 |
| 32) Chloroform | 4.843 | 83 | 222519 | 10.441 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.970 | 117 | 182435 | 9.565 | ug/L | 98 |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 207943 | 10.373 | ug/L | 98 |
| 39) 2-Butanone | 5.146 | 43 | 28420 | 11.025 | ug/L # | 73 |
| 41) Benzene | 5.401 | 78 | 476241 | 10.400 | ug/L | 94 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 153027 | 9.498 | ug/L | 99 |
| 48) Trichloroethene | 5.987 | 95 | 132965 | 9.424 | ug/L | 91 |
| 57) 1,4-Dioxane | 6.819 | 88 | 33651 | 622.161 | ug/L # | 84 |
| 61) Toluene | 7.543 | 92 | 309344 | 10.686 | ug/L | 99 |
| 63) Tetrachloroethene | 7.983 | 166 | 158278 | 11.249 | ug/L | 91 |
| 73) Chlorobenzene | 9.343 | 112 | 356136 | 10.782 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 607217 | 10.530 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A02.d
 Acq On : 7 Dec 2022 7:24 am
 Operator : VOA105:PID
 Sample : WGI720634-4,31,10,10
 Misc : WGI720634,ICAL19461
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 08:47:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 9.559 | 106 | 487530 | 21.183 | ug/L | 85 |
| 77) o Xylene | 10.107 | 106 | 444798 | 20.753 | ug/L | 86 |
| 85) n-Propylbenzene | 10.989 | 91 | 736678 | 10.632 | ug/L | 92 |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 532689 | 10.595 | ug/L | 92 |
| 94) tert-Butylbenzene | 11.567 | 119 | 479608 | 10.769 | ug/L | 98 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 504372 | 10.317 | ug/L | 93 |
| 98) sec-Butylbenzene | 11.753 | 105 | 660522 | 10.502 | ug/L | 94 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 294707 | 10.544 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 295701 | 10.467 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 470570 | 10.545 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 259135 | 10.364 | ug/L | 96 |

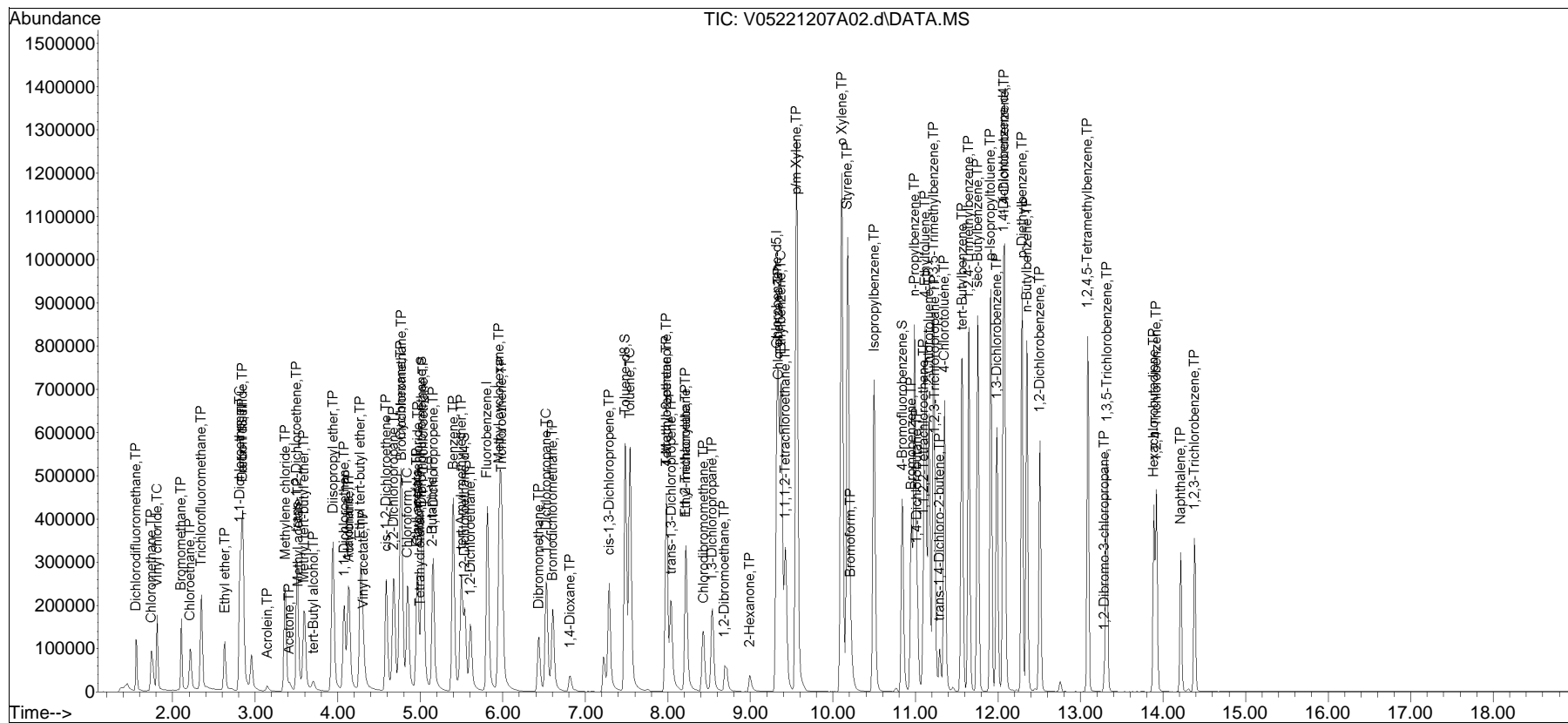
(#) = qualifier out of range (m) = manual integration (+) = signals summed

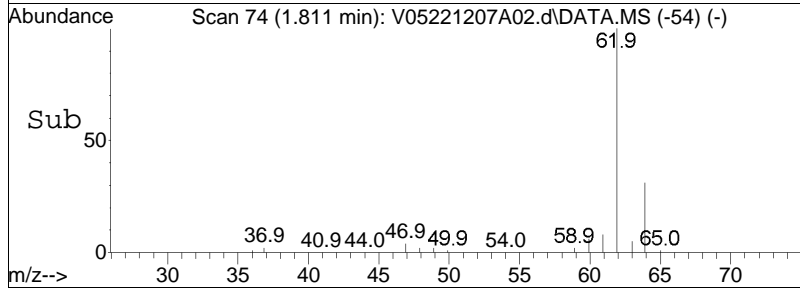
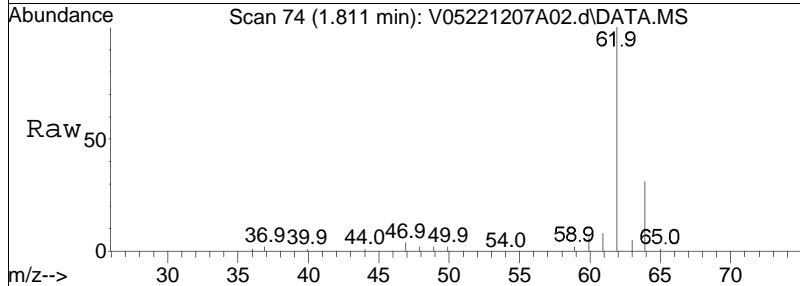
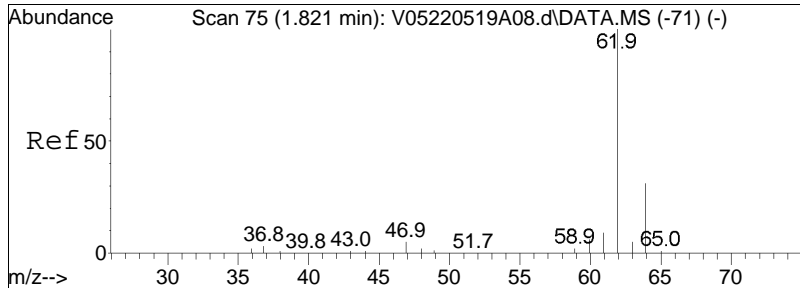
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A02.d
 Acq On : 7 Dec 2022 7:24 am
 Operator : VOA105:PID
 Sample : WG1720634-4,31,10,10
 Misc : WG1720634,ICAL19461
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 08:47:44 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

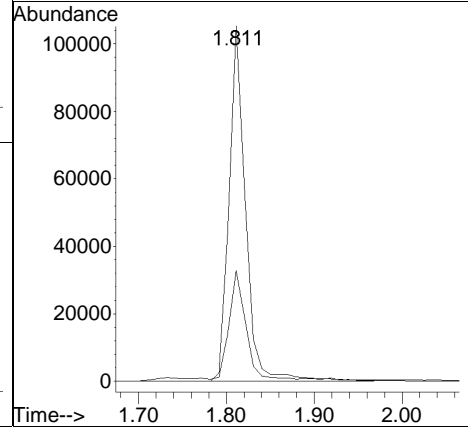
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

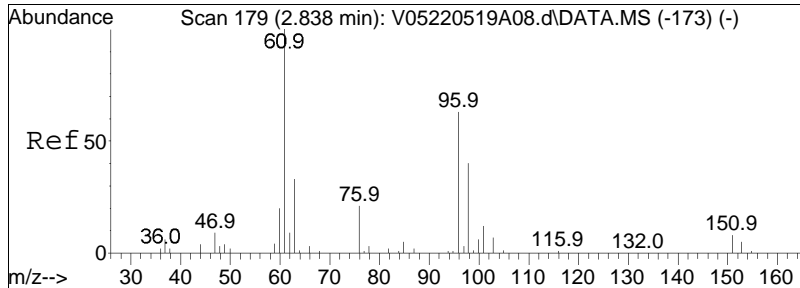




#4
 Vinyl chloride
 Concen: 8.96 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

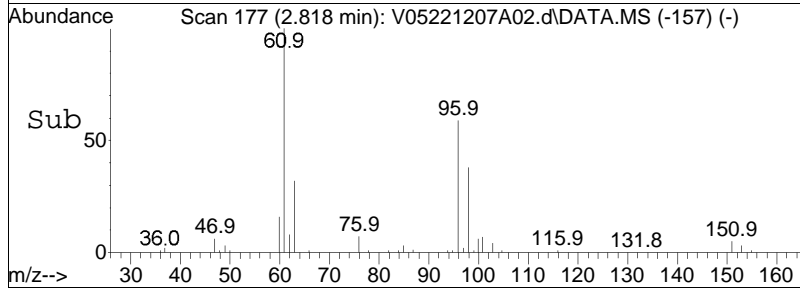
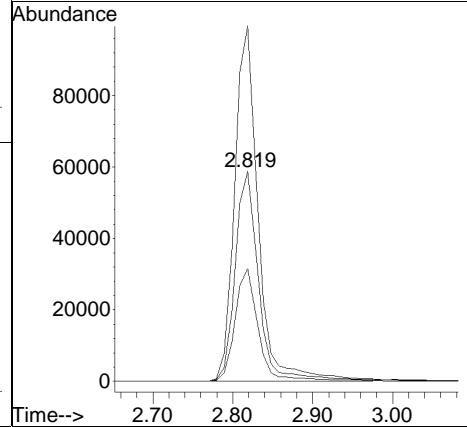
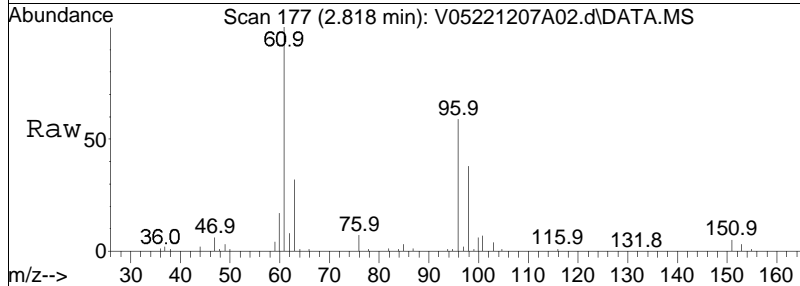
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 62 | 138625 | | |
| 64 | 32.3 | 13.5 | 53.5 |

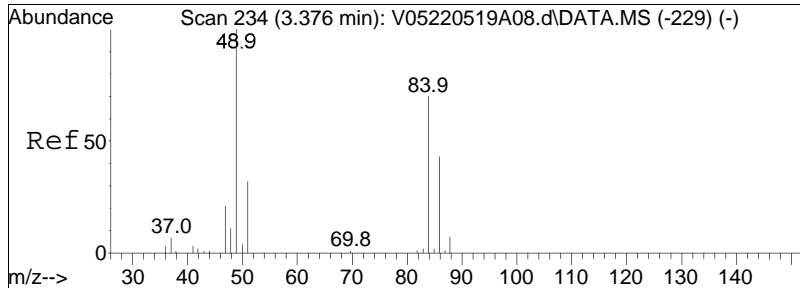




#10
 1,1-Dichloroethene
 Concen: 11.22 ug/L
 RT: 2.818 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

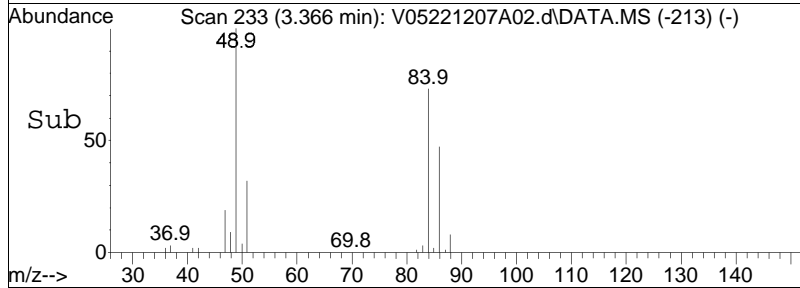
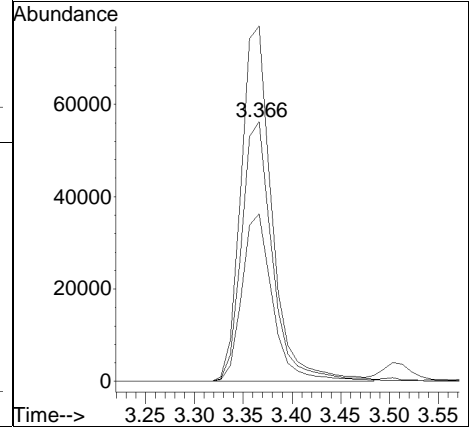
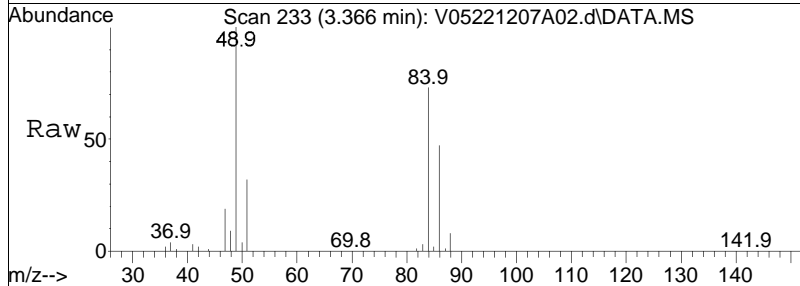
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 121018 | | |
| 61 | 169.1 | 136.7 | 205.1 |
| 63 | 53.5 | 45.0 | 67.6 |

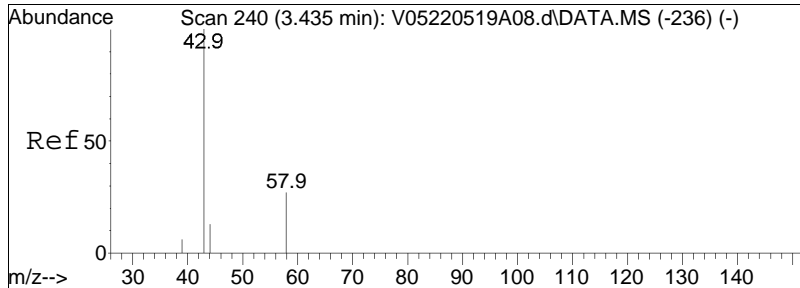




#15
 Methylene chloride
 Concen: 10.68 ug/L
 RT: 3.366 min Scan# 233
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

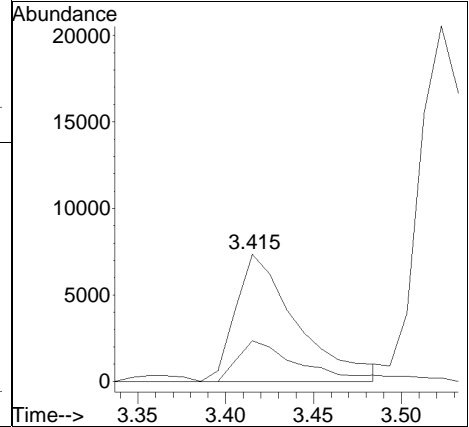
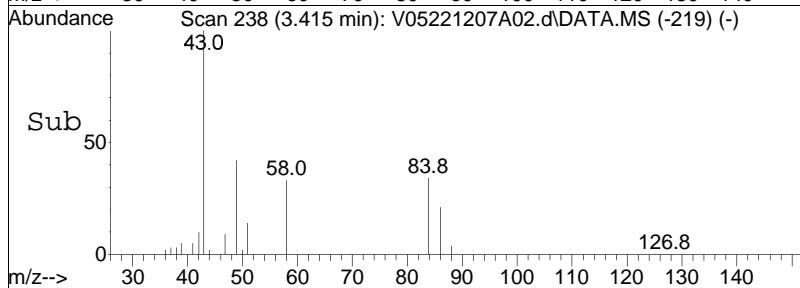
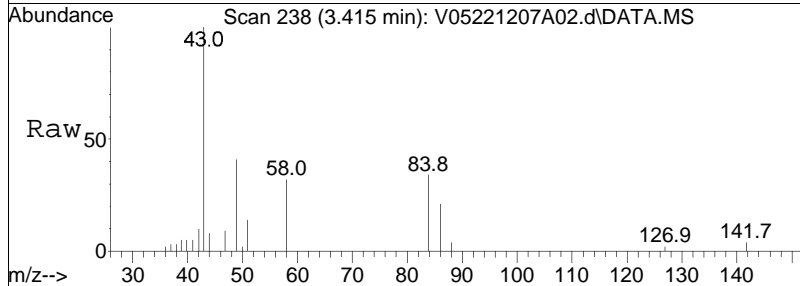
| Tgt Ion: | 84 | Resp: | 123993 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 64.6 | 42.1 | 87.5 |
| 49 | 137.2 | 69.3 | 143.9 |

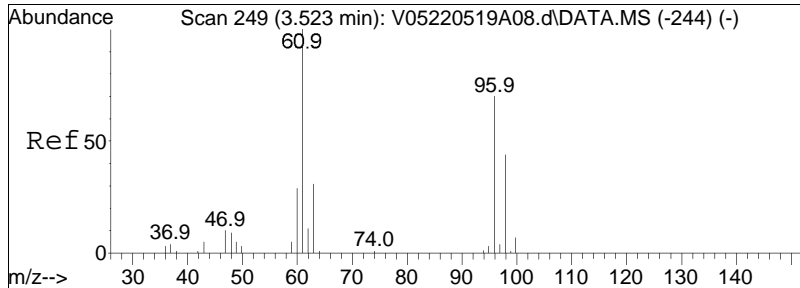




#17
 Acetone
 Concen: 10.88 ug/L
 RT: 3.415 min Scan# 238
 Delta R.T. -0.010 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

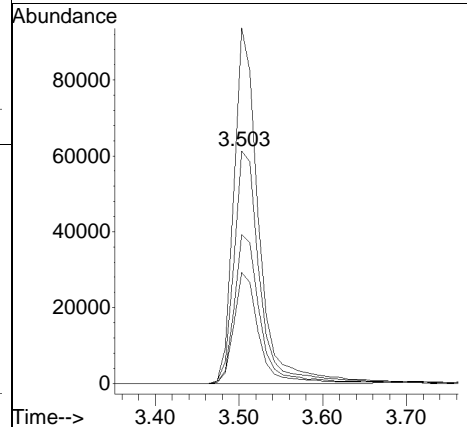
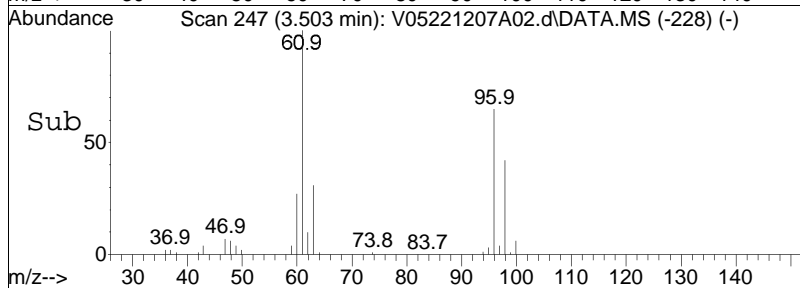
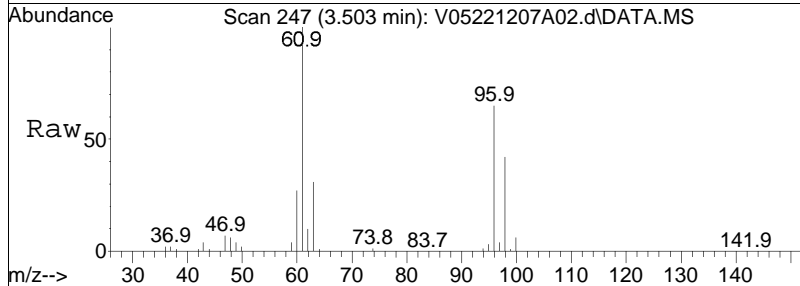
Tgt Ion: 43 Resp: 17895
 Ion Ratio Lower Upper
 43 100
 58 34.6 22.0 33.0#

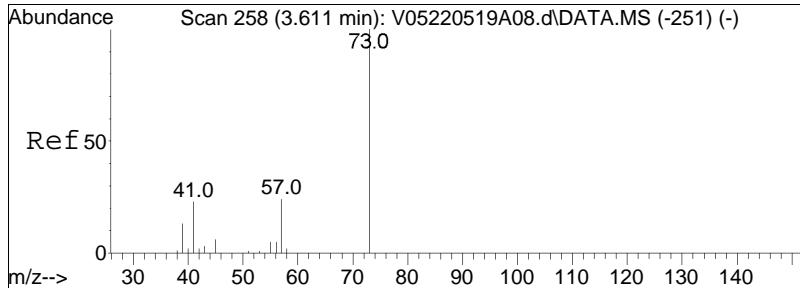




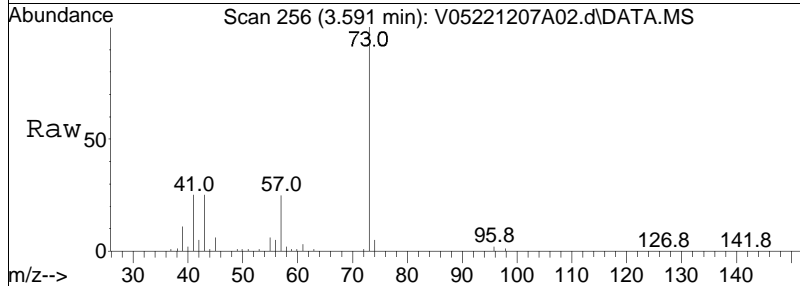
#18
 trans-1,2-Dichloroethene
 Concen: 10.88 ug/L
 RT: 3.503 min Scan# 247
 Delta R.T. -0.010 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 132032 | | |
| 61 | 147.3 | 91.7 | 190.5 |
| 98 | 64.0 | 41.1 | 85.5 |
| 63 | 46.4 | 29.4 | 61.0 |

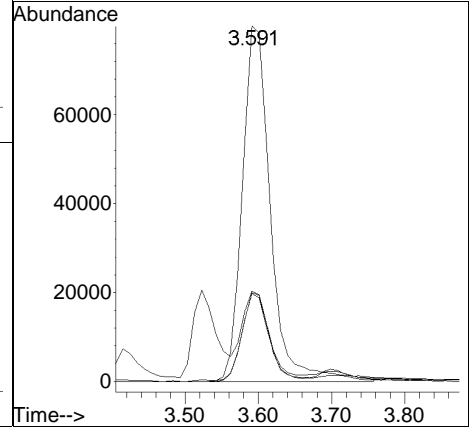
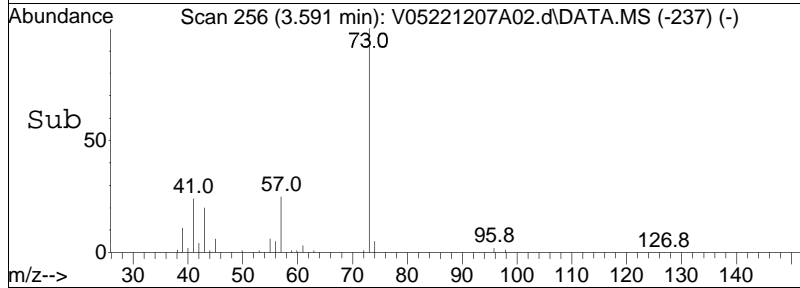


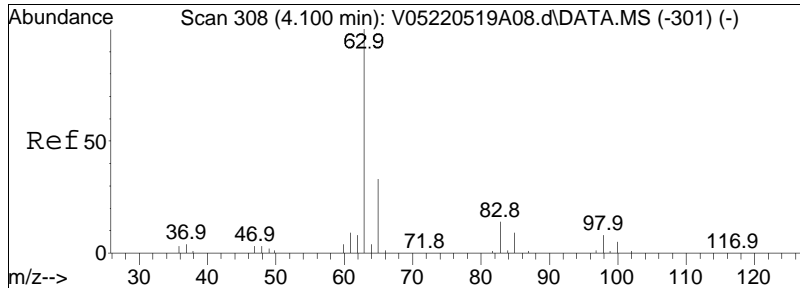


#20
 Methyl tert-butyl ether
 Concen: 9.77 ug/L
 RT: 3.591 min Scan# 256
 Delta R.T. -0.010 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am



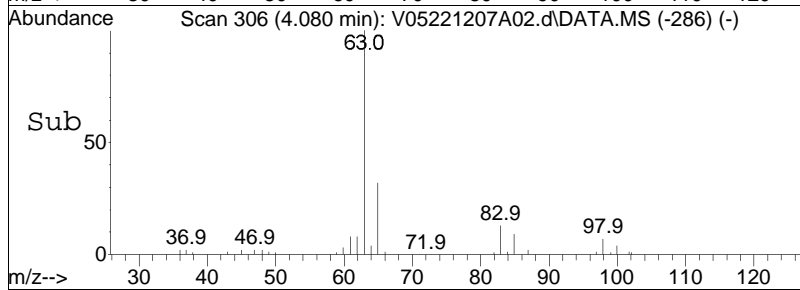
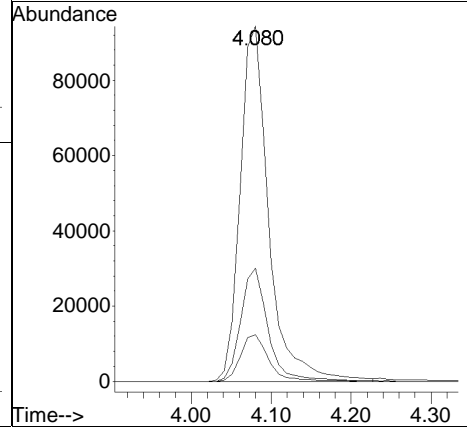
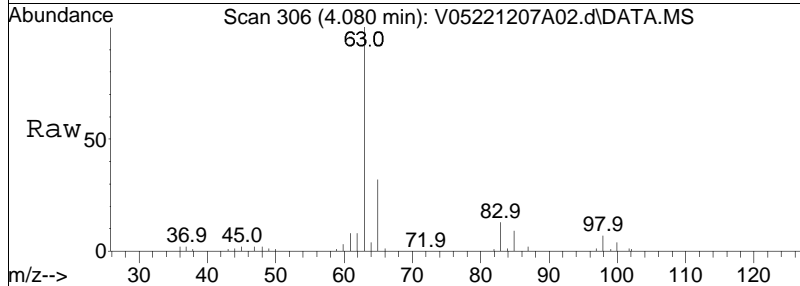
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 73 | 214917 | | |
| 57 | 23.7 | 11.8 | 24.6 |
| 43 | 22.9 | 13.5 | 27.9 |
| 41 | 24.1 | 13.3 | 27.5 |

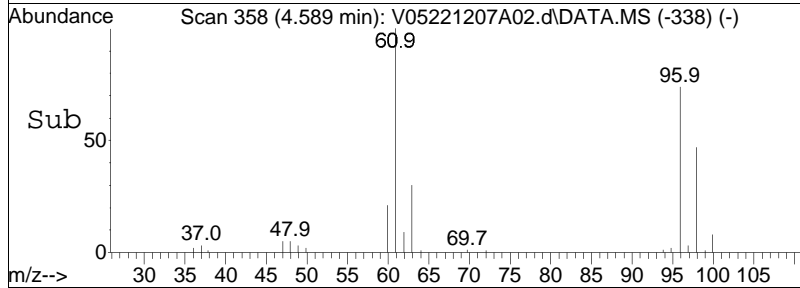
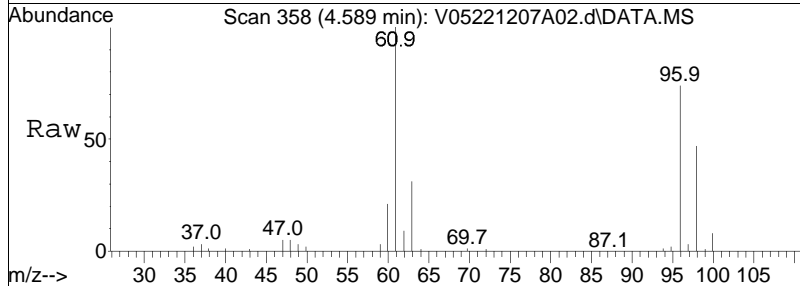
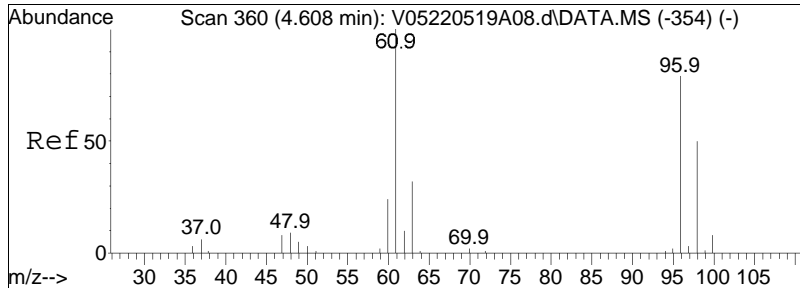




#23
 1,1-Dichloroethane
 Concen: 9.81 ug/L
 RT: 4.080 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

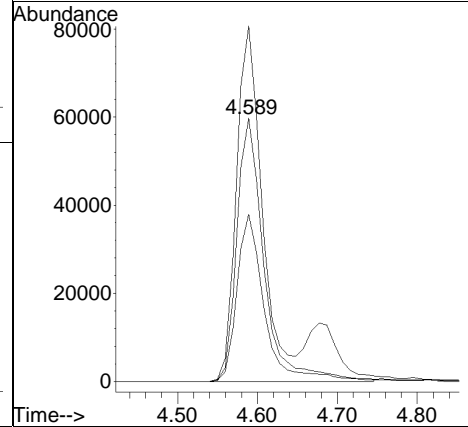
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 63 | 100 | | |
| 65 | 30.6 | 11.9 | 51.9 |
| 83 | 13.0 | 0.0 | 34.2 |

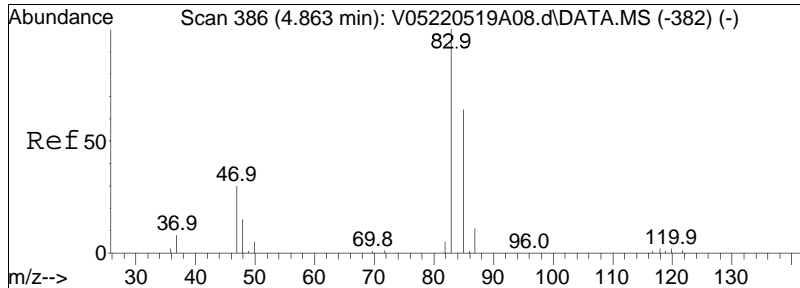




#28
 cis-1,2-Dichloroethene
 Concen: 10.42 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

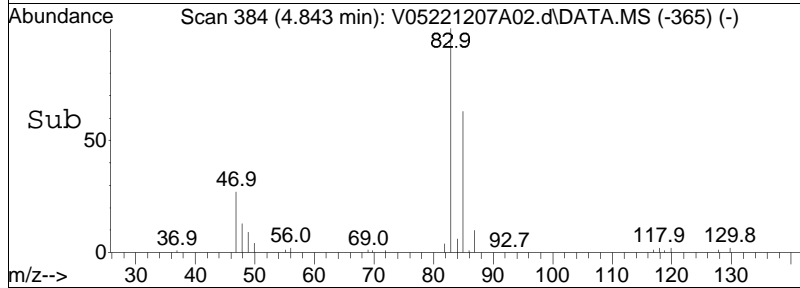
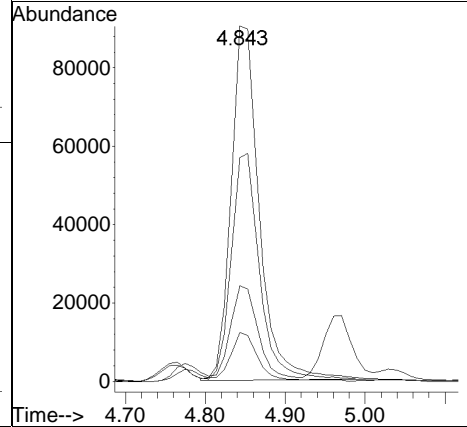
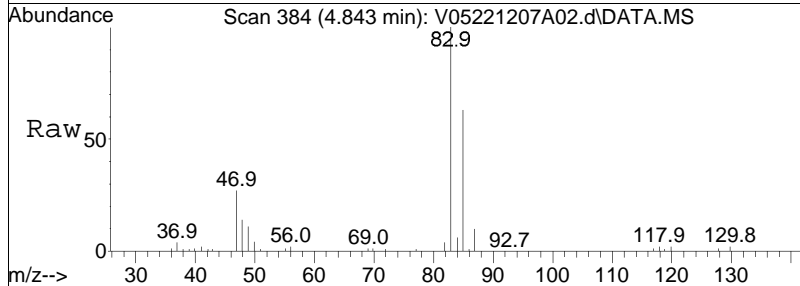
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 141564 | | |
| 96 | 100 | | |
| 61 | 127.4 | 100.5 | 150.7 |
| 98 | 64.1 | 49.8 | 74.8 |

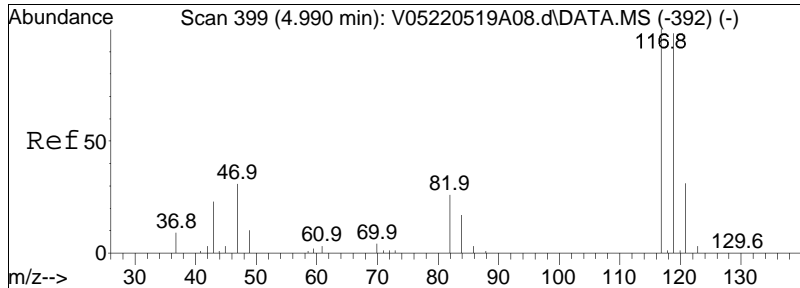




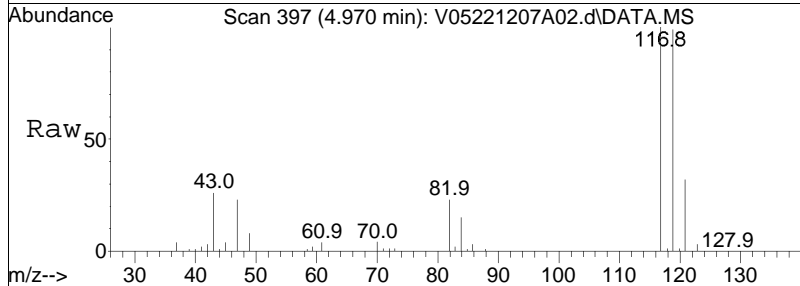
#32
 Chloroform
 Concen: 10.44 ug/L
 RT: 4.843 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 83 | 100 | | |
| 85 | 64.7 | 42.8 | 89.0 |
| 47 | 25.0 | 13.7 | 28.4 |
| 48 | 12.7 | 6.9 | 14.3 |

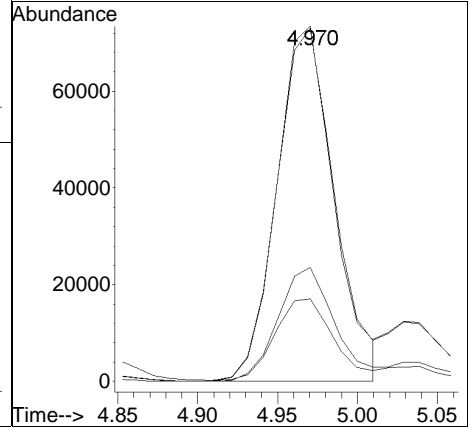
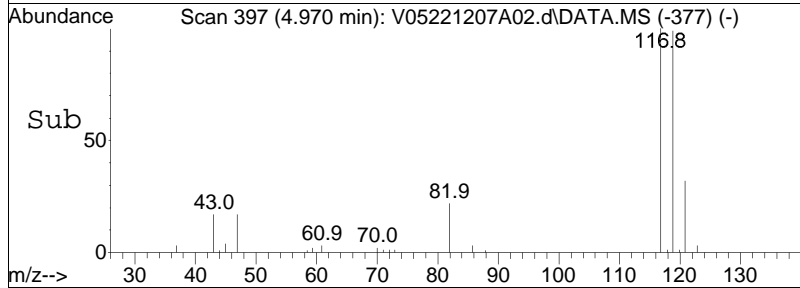


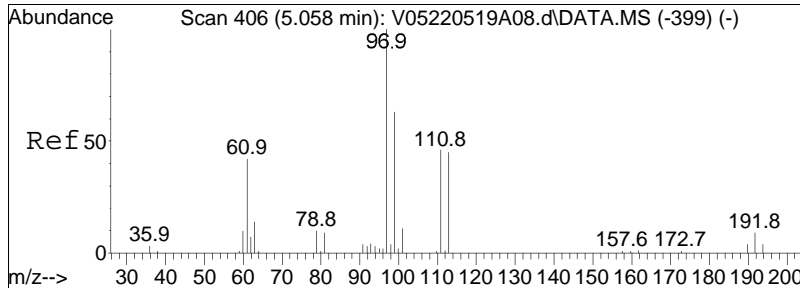


#34
 Carbon tetrachloride
 Concen: 9.57 ug/L
 RT: 4.970 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am



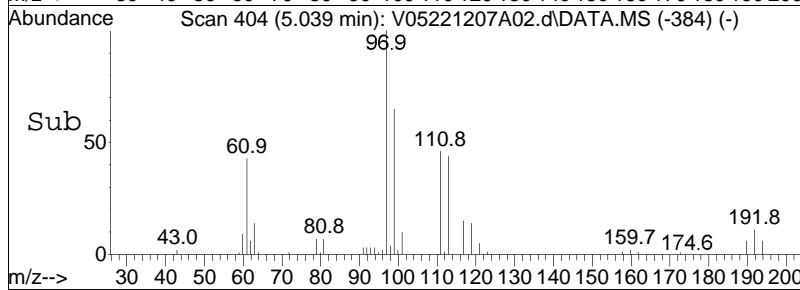
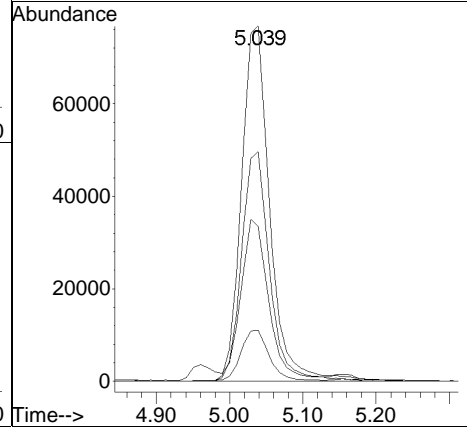
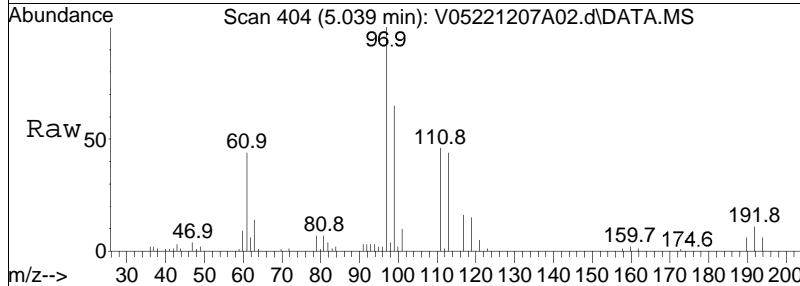
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 117 | 100 | | |
| 119 | 100.0 | 63.6 | 132.2 |
| 121 | 31.8 | 19.8 | 41.0 |
| 82 | 23.6 | 15.9 | 32.9 |

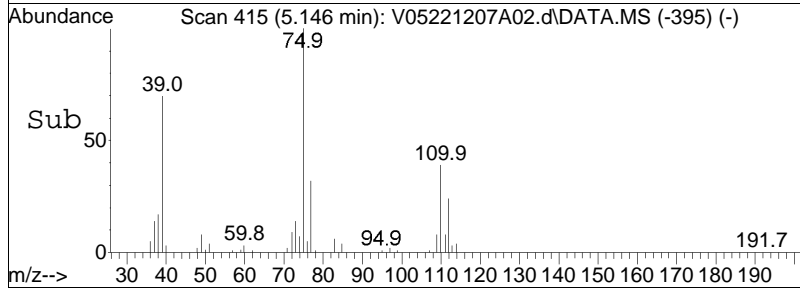
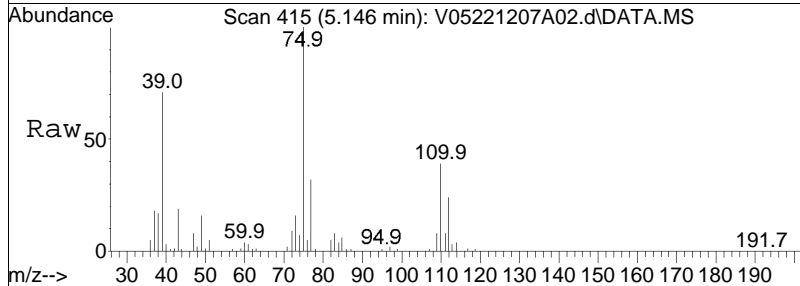
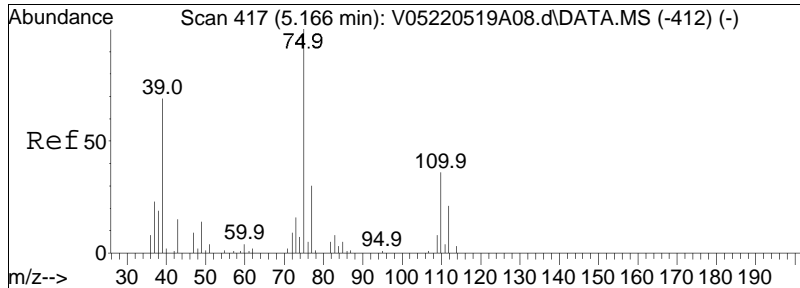




#37
 1,1,1-Trichloroethane
 Concen: 10.37 ug/L
 RT: 5.039 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

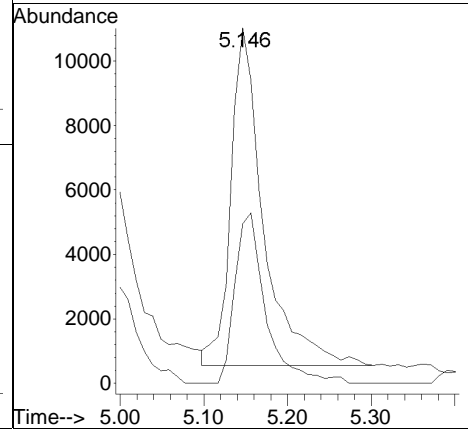
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 97 | 207943 | | |
| 99 | 100 | | |
| 99 | 64.0 | 41.7 | 86.5 |
| 61 | 43.4 | 26.1 | 54.3 |
| 63 | 14.8 | 8.5 | 17.6 |

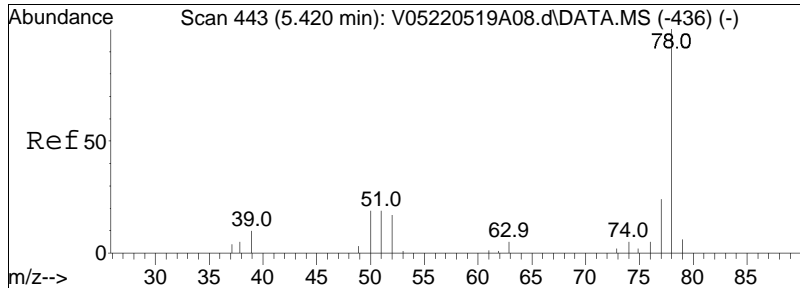




#39
 2-Butanone
 Concen: 11.03 ug/L
 RT: 5.146 min Scan# 415
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

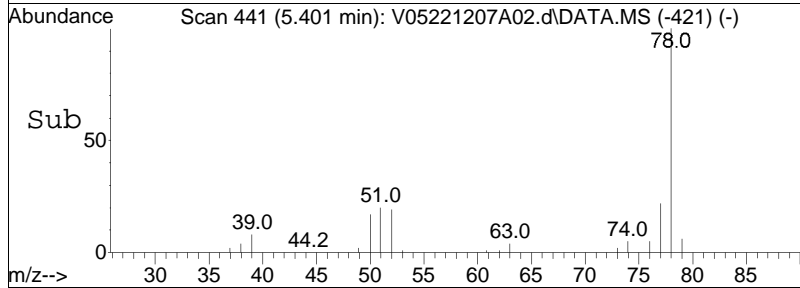
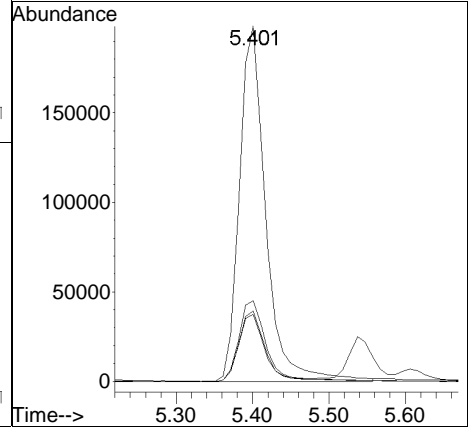
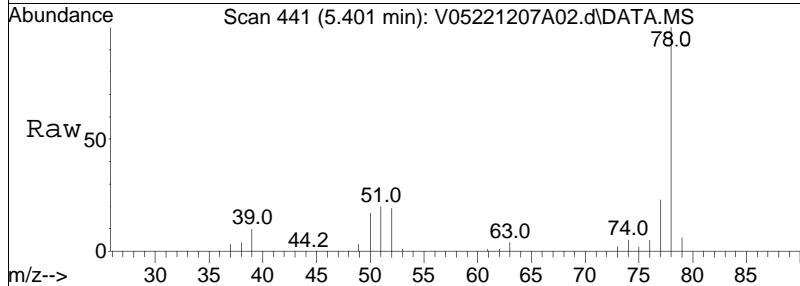
| Tgt Ion: | 43 | Resp: | 28420 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 72 | 47.7 | 55.6 | 83.4# |

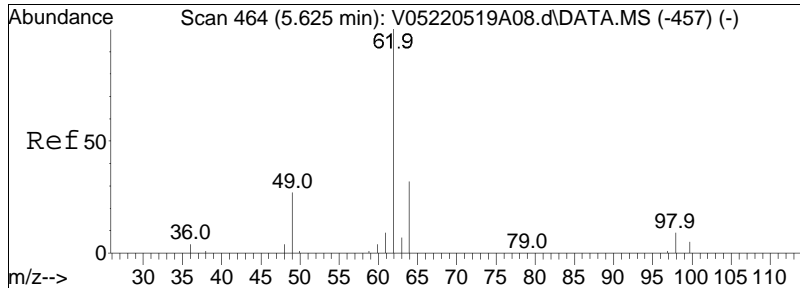




#41
 Benzene
 Concen: 10.40 ug/L
 RT: 5.401 min Scan# 441
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

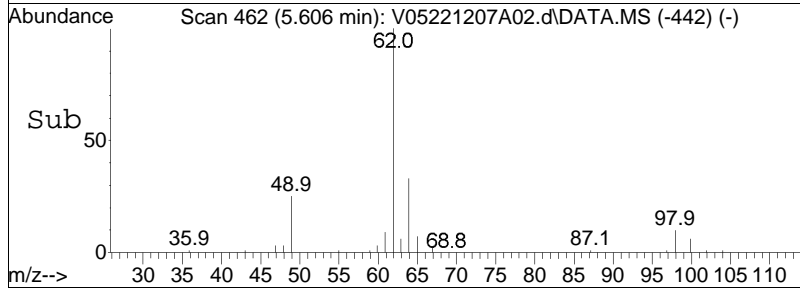
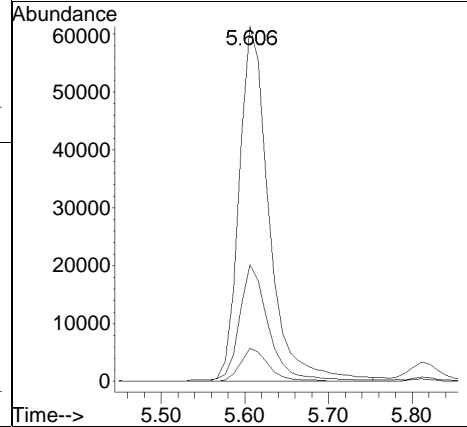
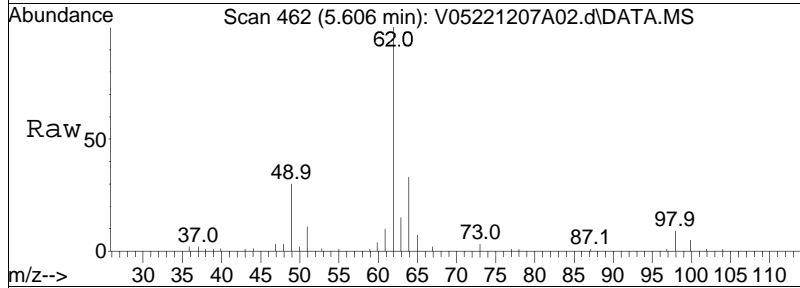
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 23.6 | 15.2 | 31.6 |
| 51 | 19.6 | 10.5 | 21.7 |
| 52 | 19.4 | 9.5 | 19.7 |

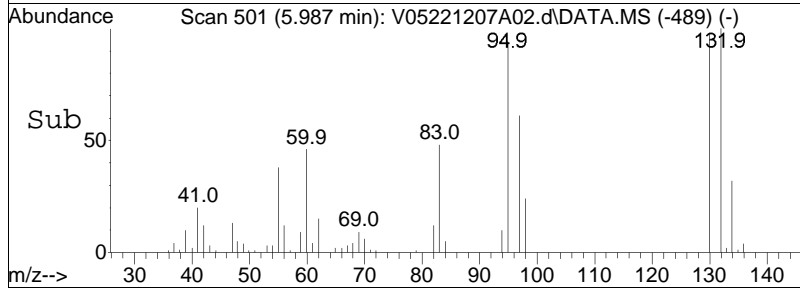
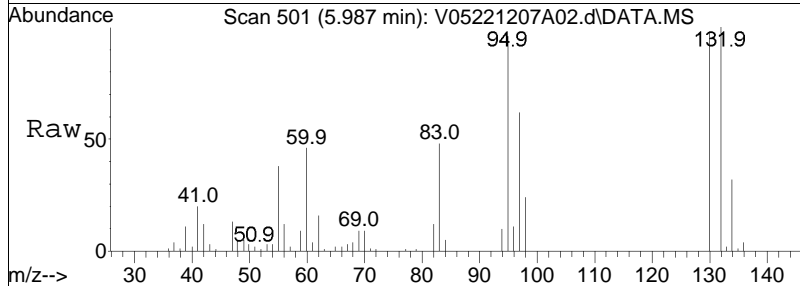
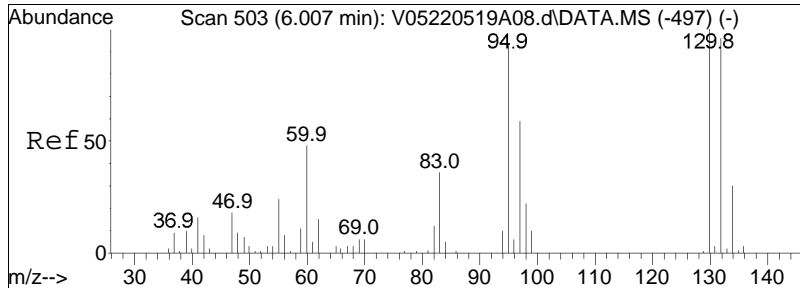




#44
 1,2-Dichloroethane
 Concen: 9.50 ug/L
 RT: 5.606 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

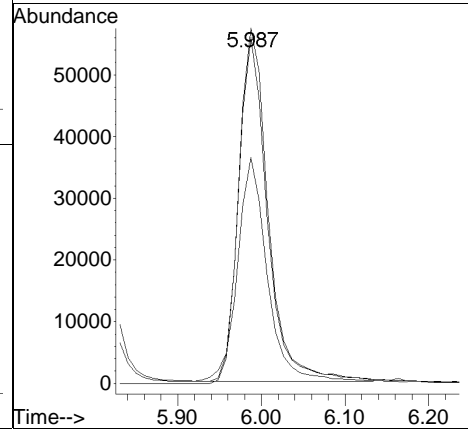
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.7 | 13.2 | 53.2 |
| 98 | 8.9 | 0.0 | 27.8 |

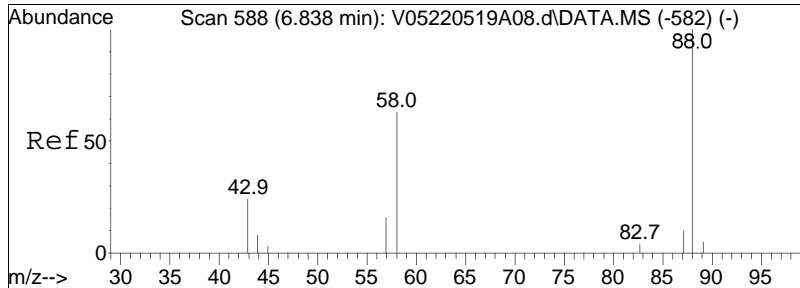




#48
 Trichloroethene
 Concen: 9.42 ug/L
 RT: 5.987 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

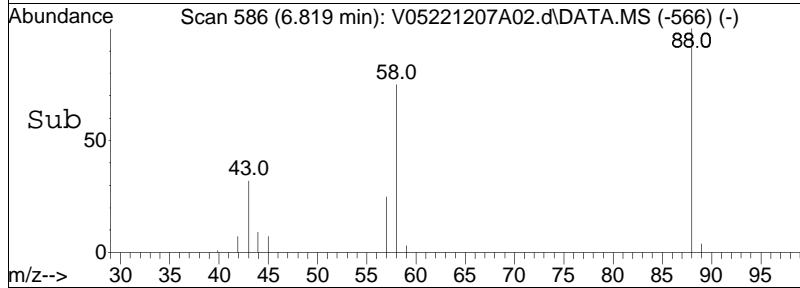
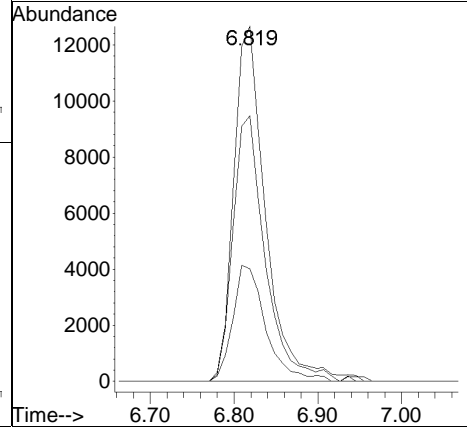
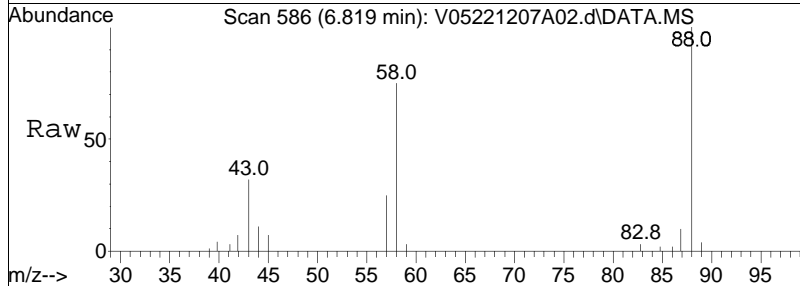
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 66.6 | 56.1 | 84.1 |
| 130 | 108.6 | 77.7 | 116.5 |

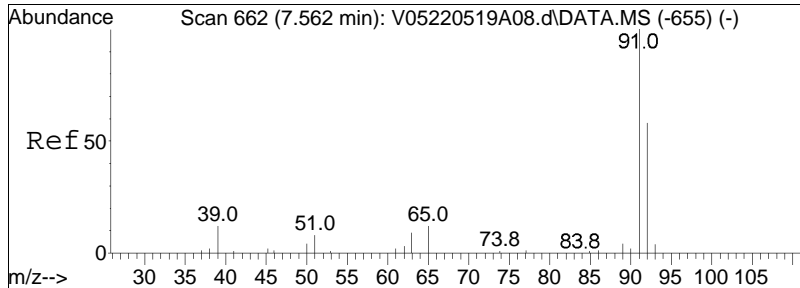




#57
 1,4-Dioxane
 Concen: 622.16 ug/L
 RT: 6.819 min Scan# 586
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

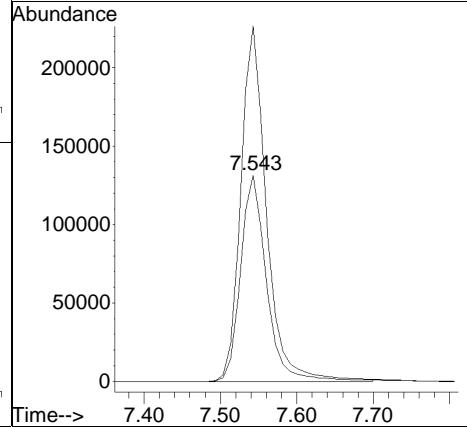
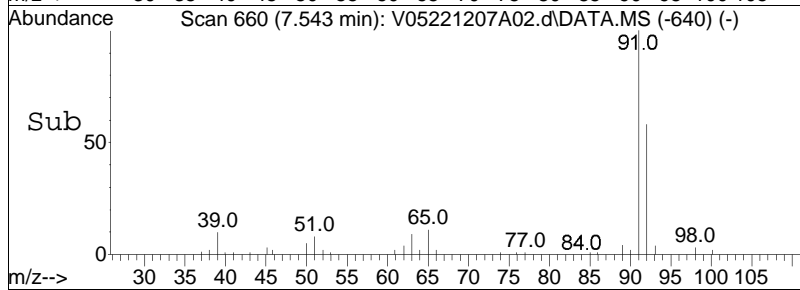
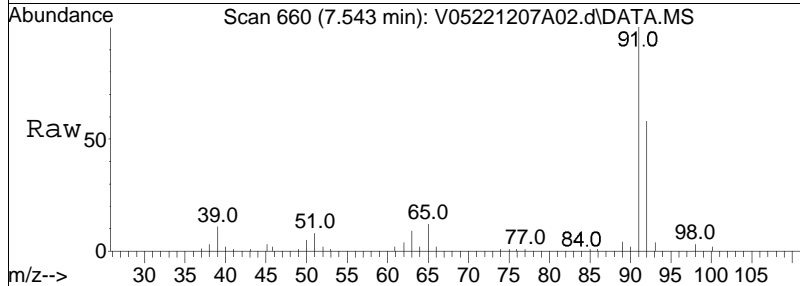
| Tgt Ion: | 88 | Resp: | 33651 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 75.9 | 50.6 | 75.8# |
| 43 | 33.9 | 20.5 | 30.7# |

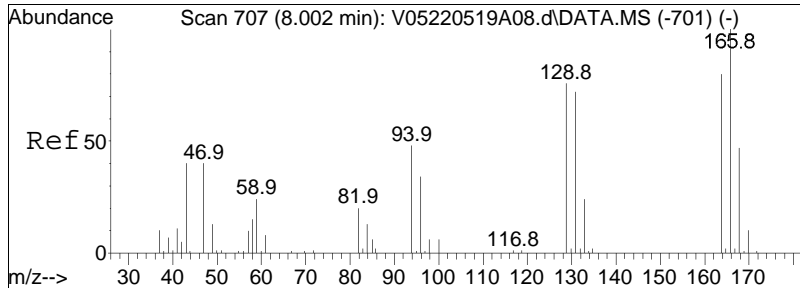




#61
 Toluene
 Concen: 10.69 ug/L
 RT: 7.543 min Scan# 660
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

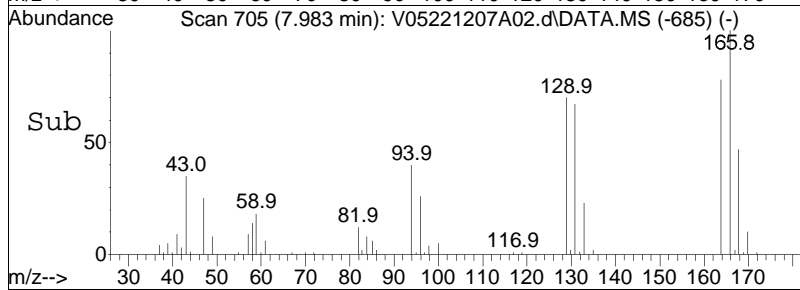
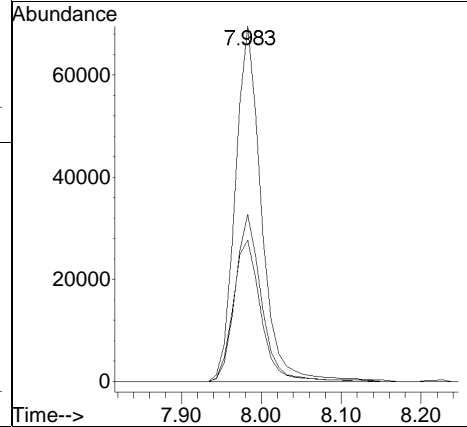
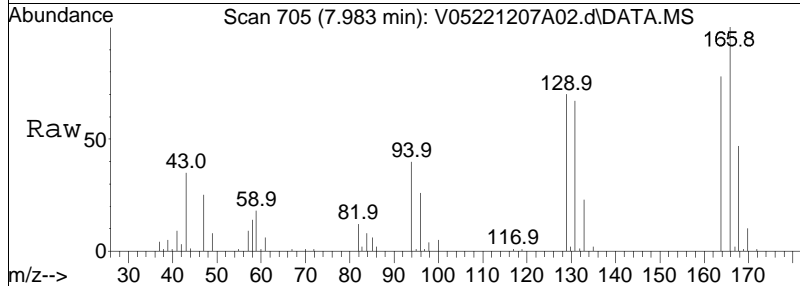
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 92 | 100 | | |
| 91 | 170.2 | 135.2 | 202.8 |

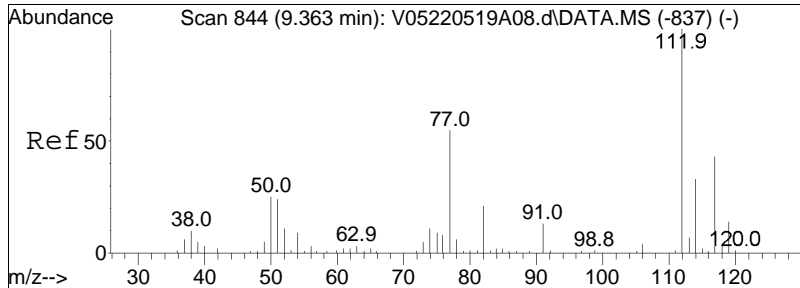




#63
 Tetrachloroethene
 Concen: 11.25 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

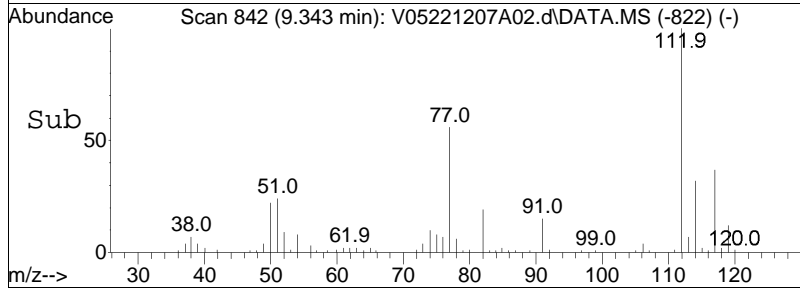
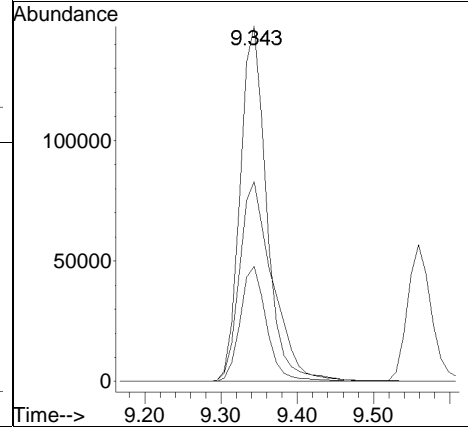
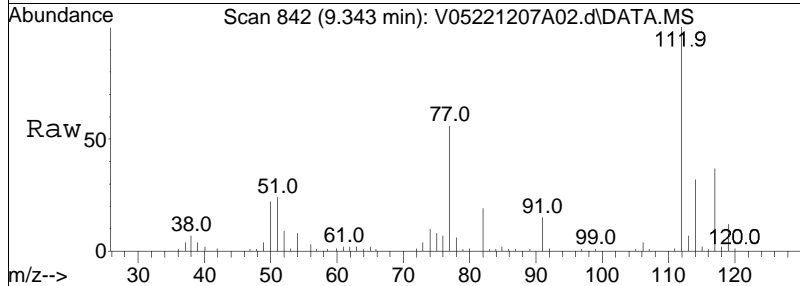
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 47.4 | 30.2 | 70.2 |
| 94 | 42.4 | 32.5 | 72.5 |

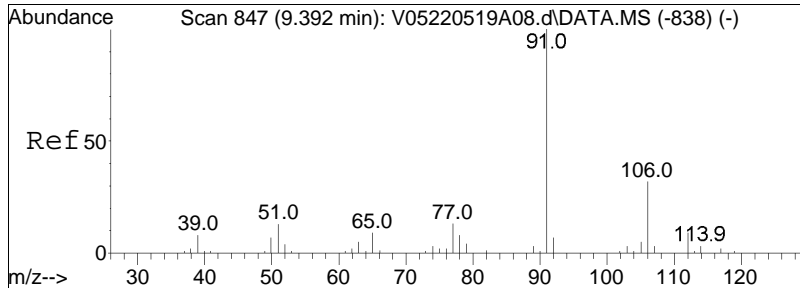




#73
 Chlorobenzene
 Concen: 10.78 ug/L
 RT: 9.343 min Scan# 842
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

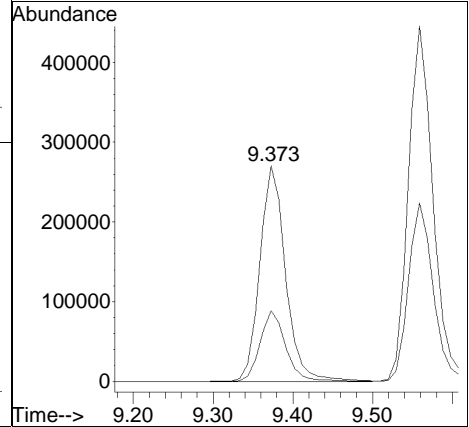
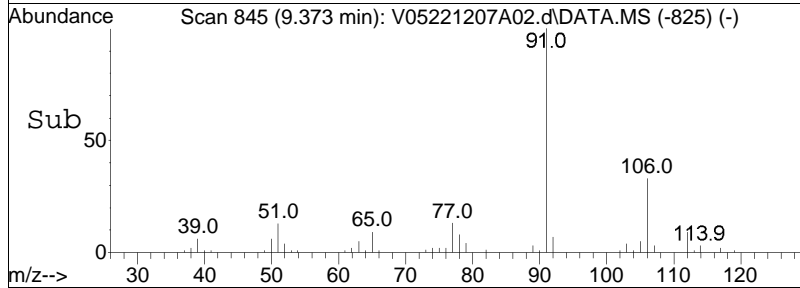
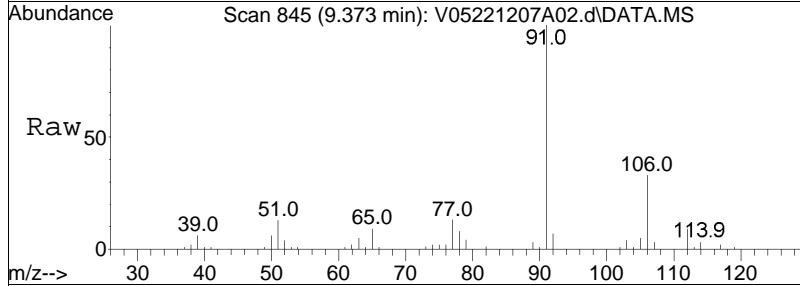
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112 | 100 | | |
| 77 | 70.4 | 66.1 | 99.1 |
| 114 | 32.3 | 25.4 | 38.0 |

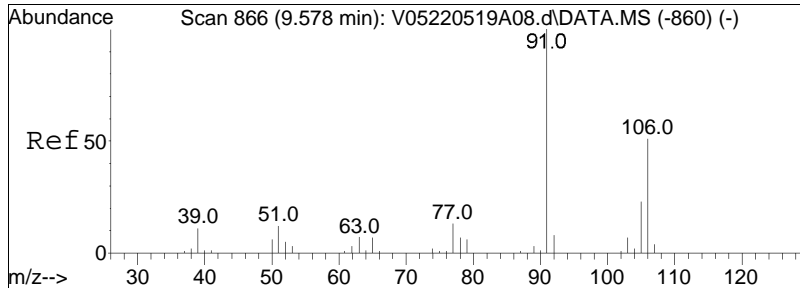




#74
 Ethylbenzene
 Concen: 10.53 ug/L
 RT: 9.373 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

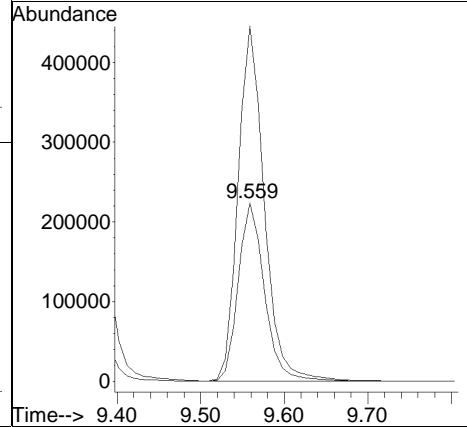
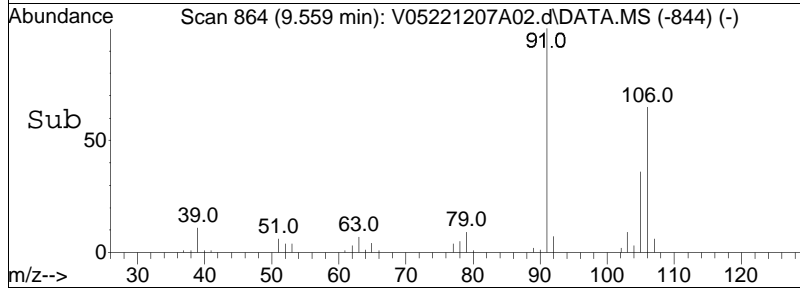
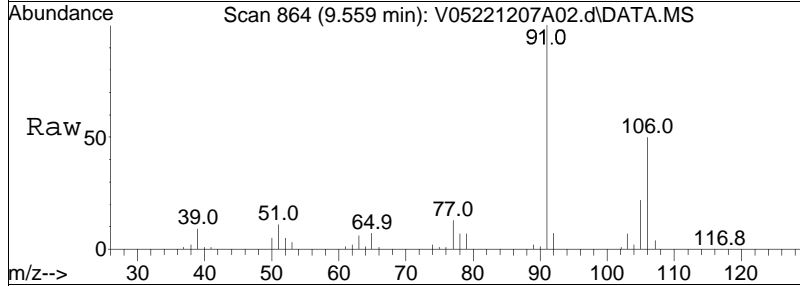
Tgt Ion: 91 Resp: 607217
 Ion Ratio Lower Upper
 91 100
 106 32.5 22.9 34.3

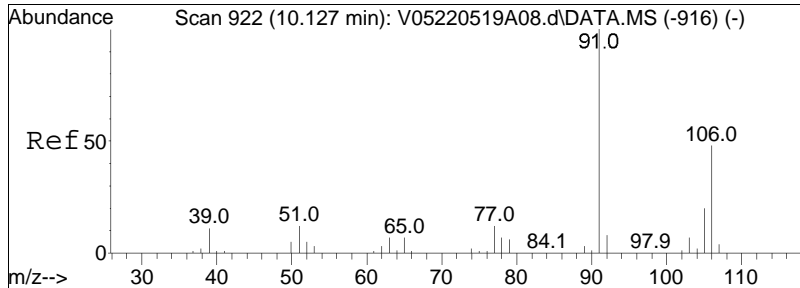




#76
 p/m Xylene
 Concen: 21.18 ug/L
 RT: 9.559 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

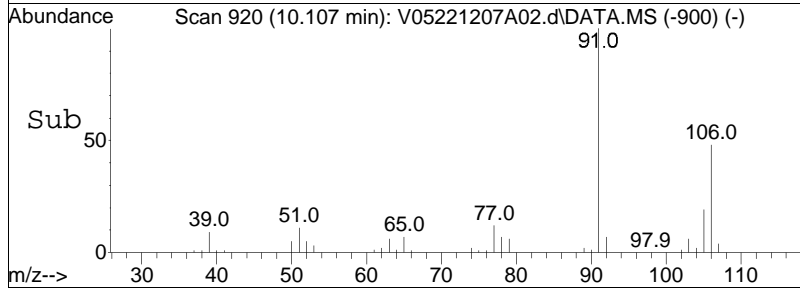
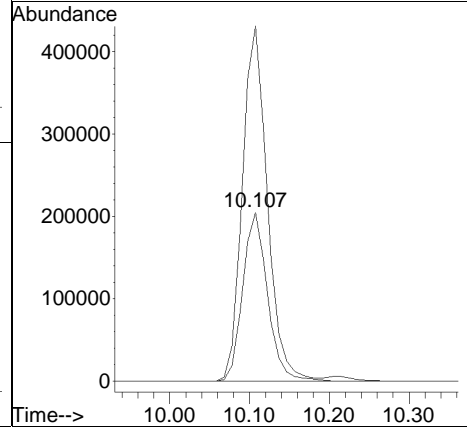
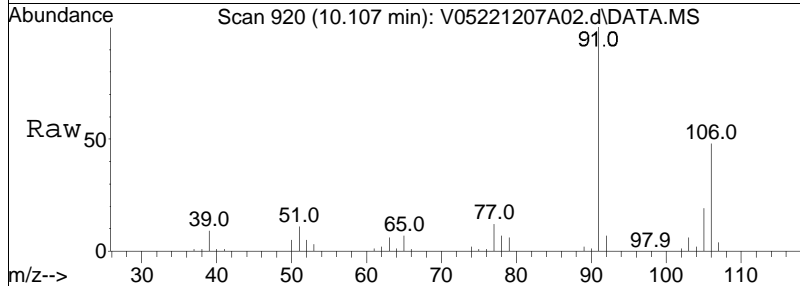
Tgt Ion:106 Resp: 487530
 Ion Ratio Lower Upper
 106 100
 91 197.7 177.2 265.8

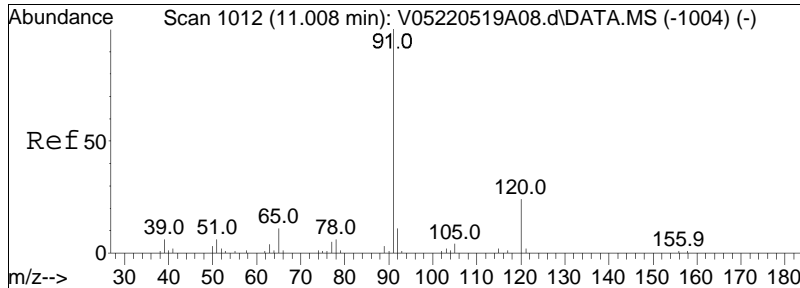




#77
 o Xylene
 Concen: 20.75 ug/L
 RT: 10.107 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

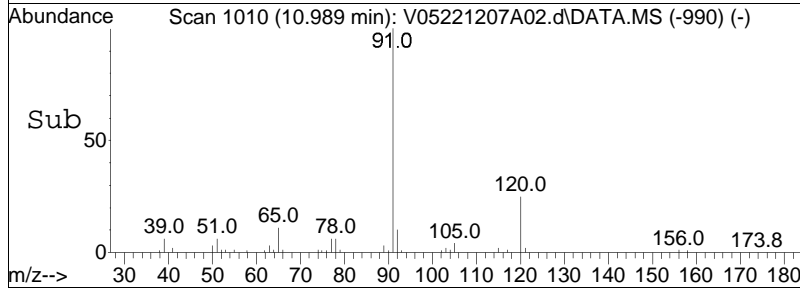
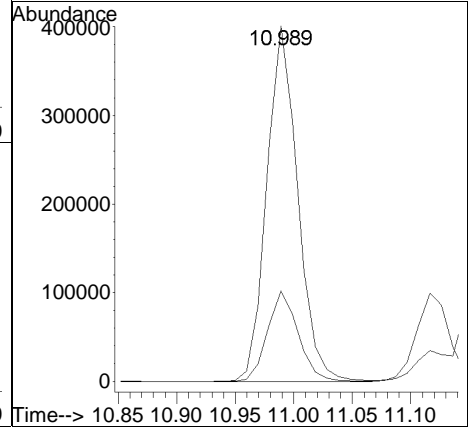
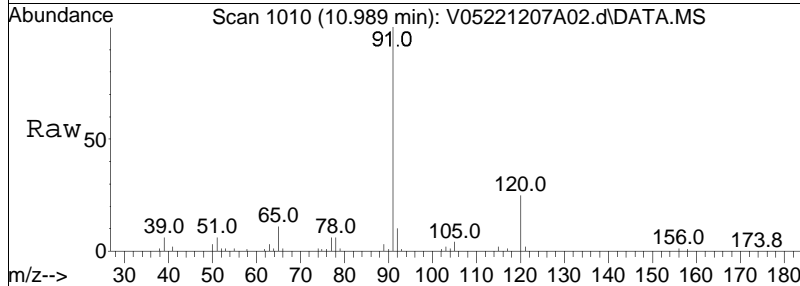
Tgt Ion:106 Resp: 444798
 Ion Ratio Lower Upper
 106 100
 91 210.5 187.0 280.6

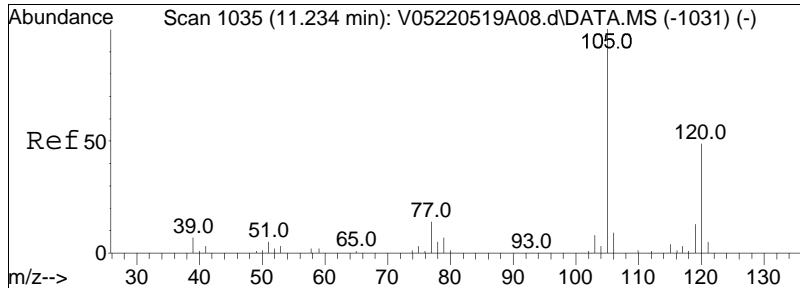




#85
 n-Propylbenzene
 Concen: 10.63 ug/L
 RT: 10.989 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

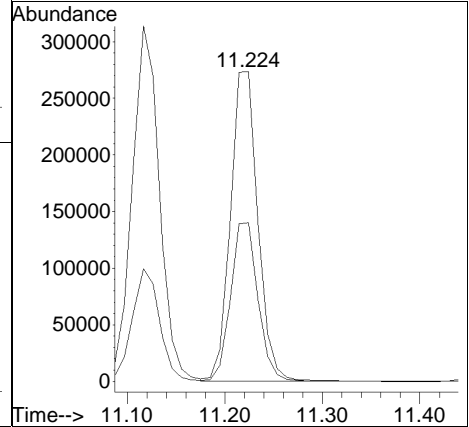
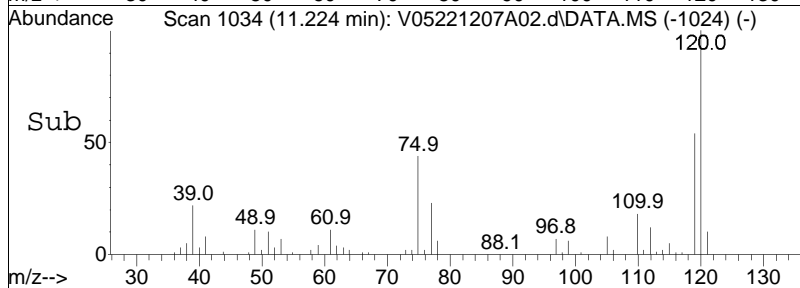
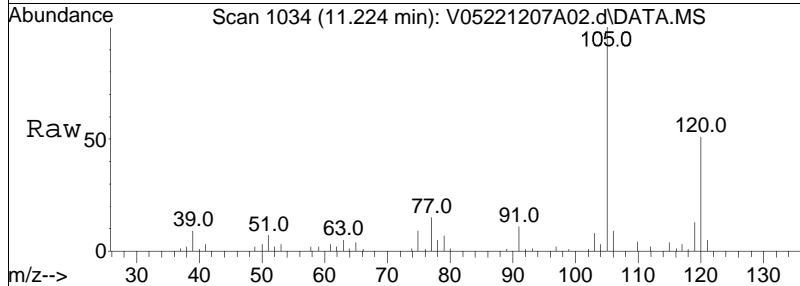
Tgt Ion: 91 Resp: 736678
 Ion Ratio Lower Upper
 91 100
 120 25.2 17.3 25.9

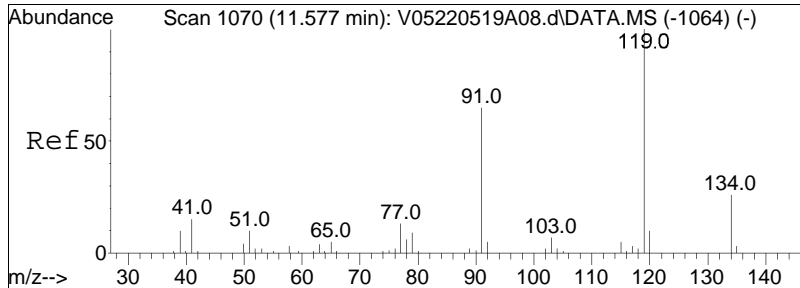




#90
 1,3,5-Trimethylbenzene
 Concen: 10.60 ug/L
 RT: 11.224 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

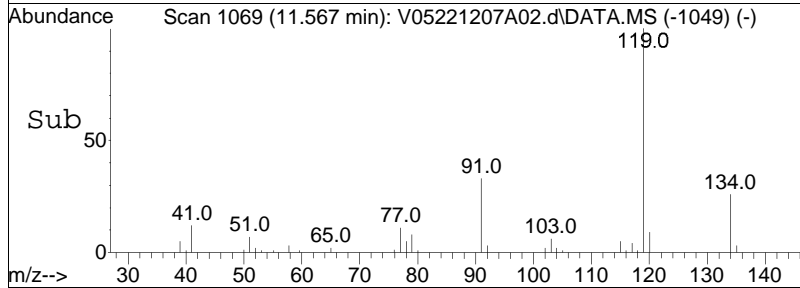
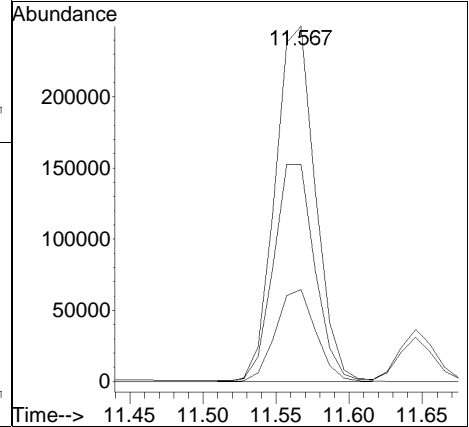
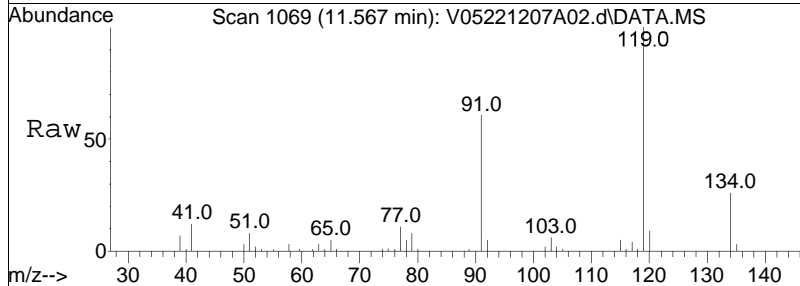
Tgt Ion:105 Resp: 532689
 Ion Ratio Lower Upper
 105 100
 120 51.6 37.0 55.6

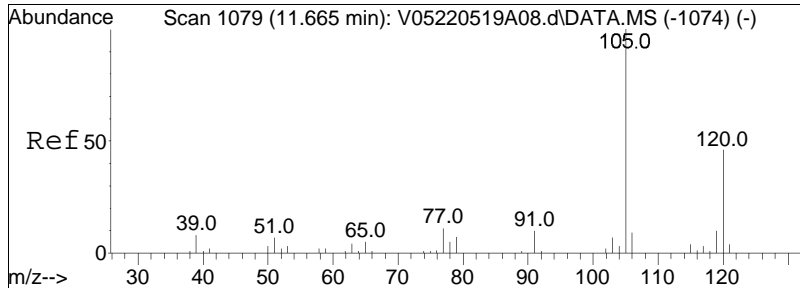




#94
 tert-Butylbenzene
 Concen: 10.77 ug/L
 RT: 11.567 min Scan# 1069
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

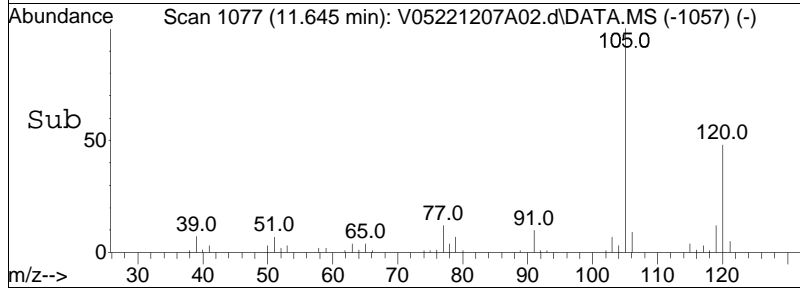
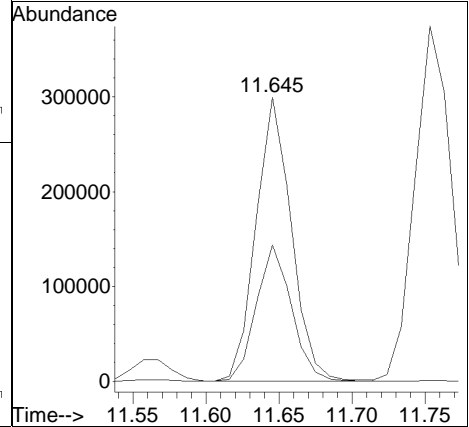
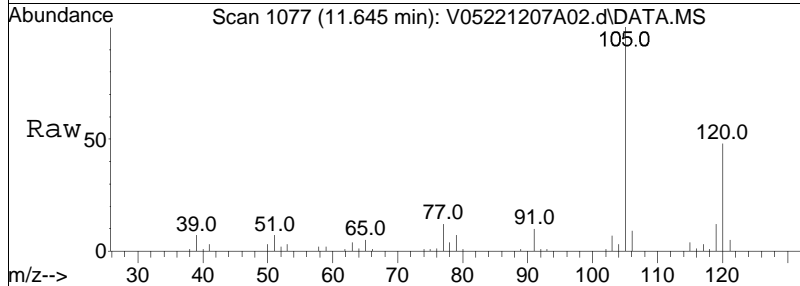
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 119 | 479608 | | |
| 119 | 100 | | |
| 91 | 62.1 | 49.2 | 73.8 |
| 134 | 25.7 | 18.3 | 27.5 |

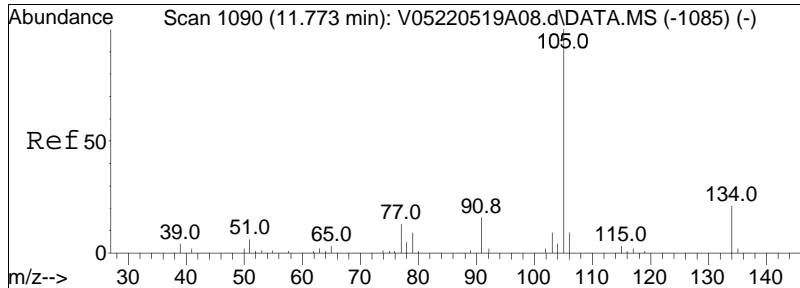




#97
 1,2,4-Trimethylbenzene
 Concen: 10.32 ug/L
 RT: 11.645 min Scan# 1077
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

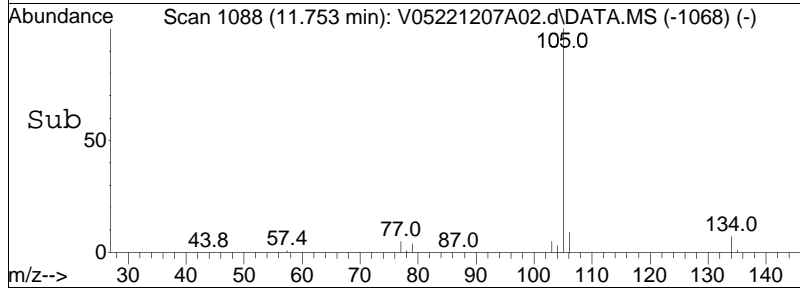
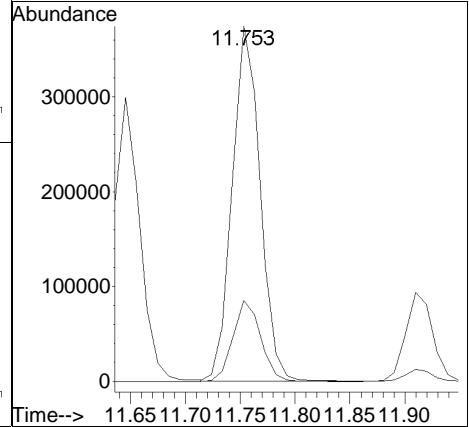
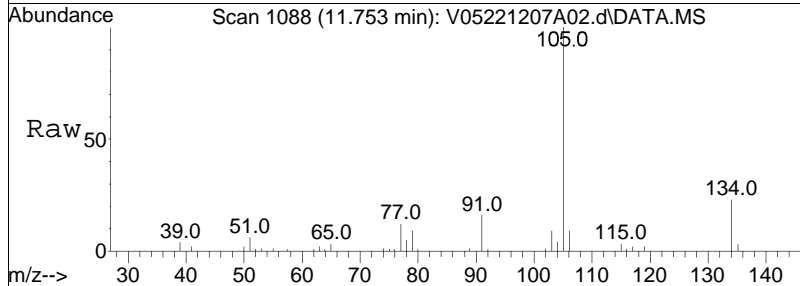
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 105 | Resp: | 504372 |
| Ion Ratio | Lower | Upper | |
| 105 | 100 | | |
| 120 | 47.8 | 34.4 | 51.6 |

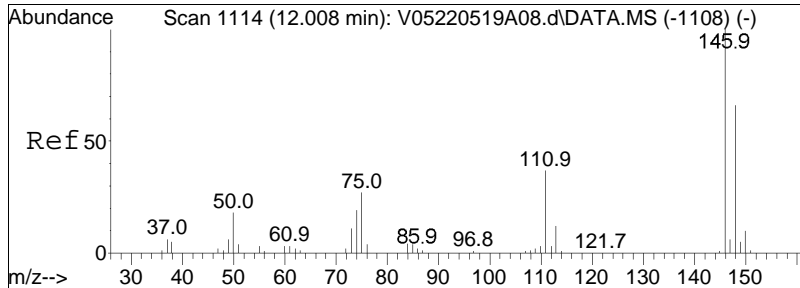




#98
 sec-Butylbenzene
 Concen: 10.50 ug/L
 RT: 11.753 min Scan# 1088
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

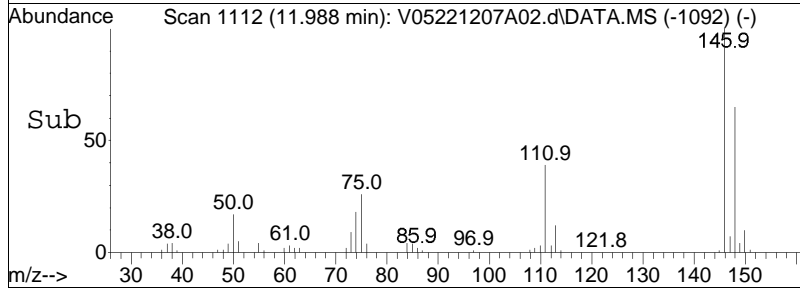
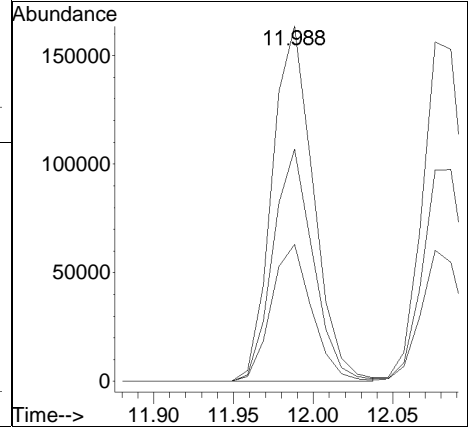
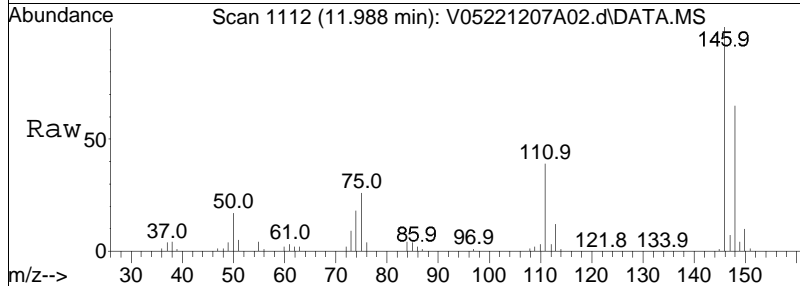
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 22.6 | 12.9 | 26.9 |

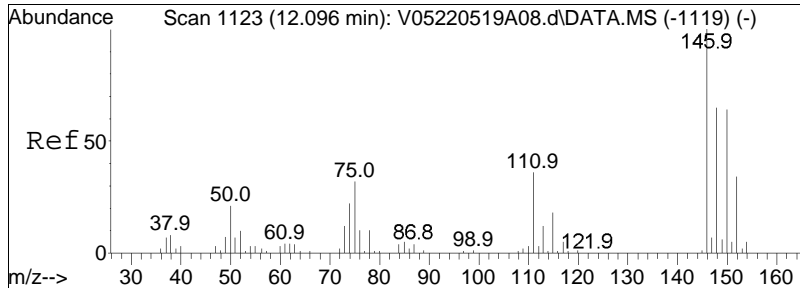




#100
 1,3-Dichlorobenzene
 Concen: 10.54 ug/L
 RT: 11.988 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

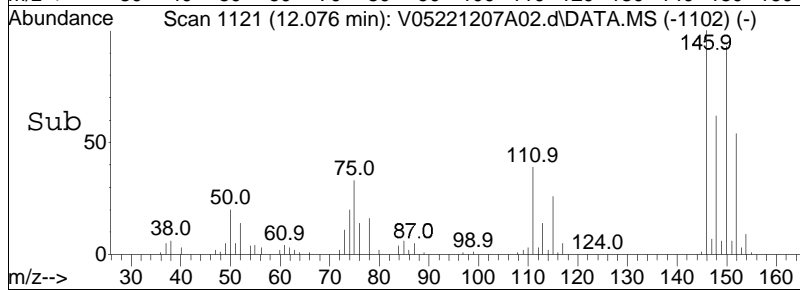
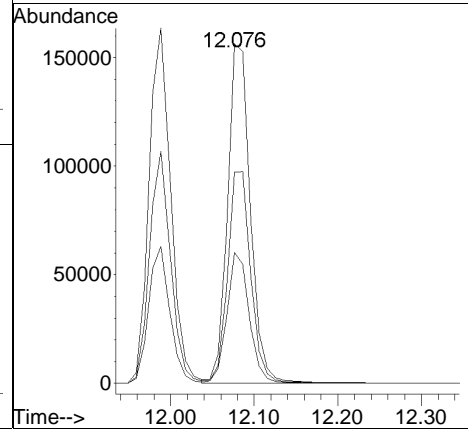
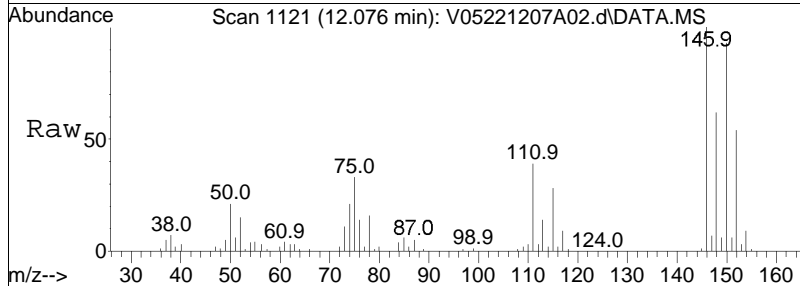
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 38.0 | 28.0 | 58.1 |
| 148 | 63.5 | 41.6 | 86.4 |

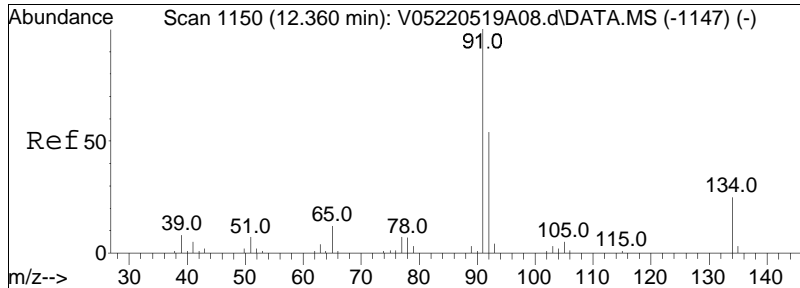




#101
 1,4-Dichlorobenzene
 Concen: 10.47 ug/L
 RT: 12.076 min Scan# 1121
 Delta R.T. -0.010 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

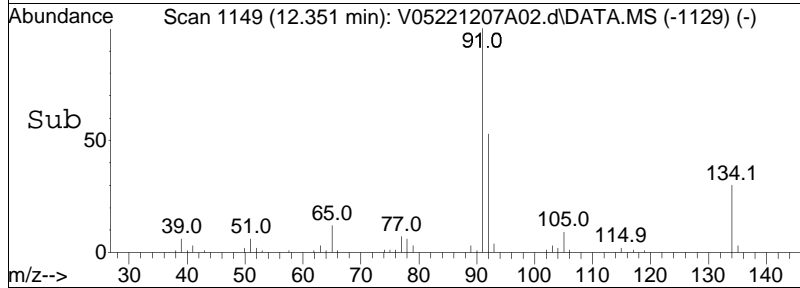
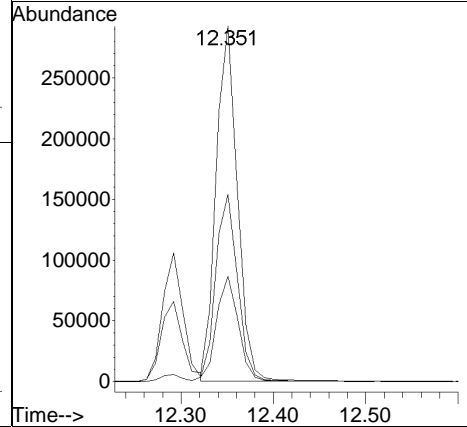
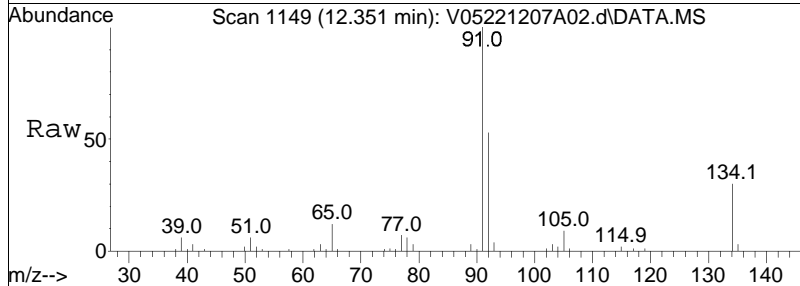
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 38.1 | 33.8 | 50.6 |
| 148 | 63.4 | 51.0 | 76.6 |

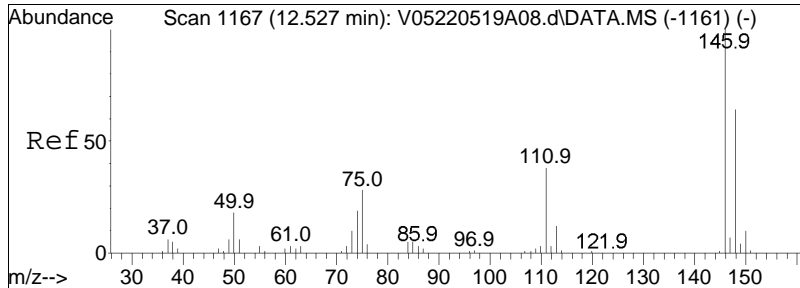




#103
 n-Butylbenzene
 Concen: 10.55 ug/L
 RT: 12.351 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

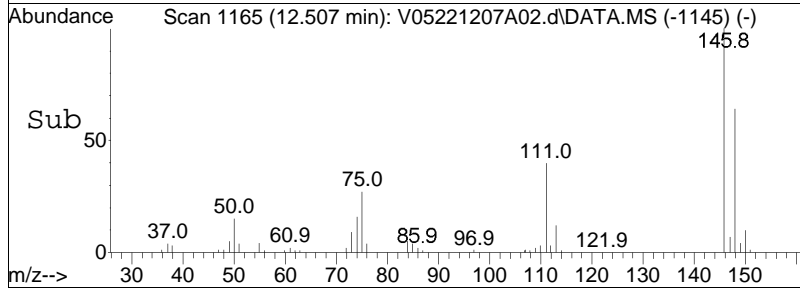
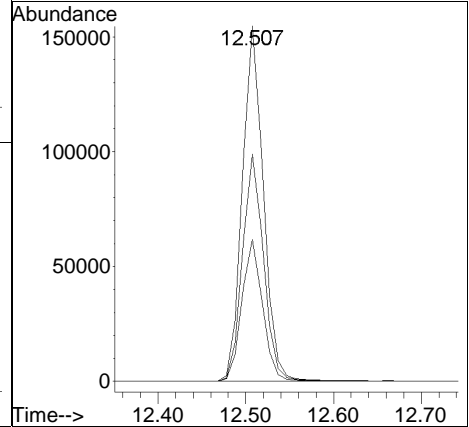
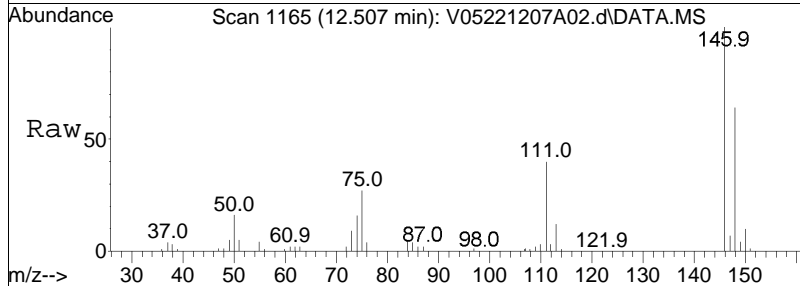
| Tgt Ion: | 91 | Resp: | 470570 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 92 | 54.2 | 44.2 | 66.2 |
| 134 | 29.7 | 20.2 | 30.2 |





#104
 1,2-Dichlorobenzene
 Concen: 10.36 ug/L
 RT: 12.507 min Scan# 1165
 Delta R.T. 0.000 min
 Lab File: V05221207A02.d
 Acq: 7 Dec 2022 7:24 am

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 39.3 | 29.1 | 60.5 |
| 148 | 64.0 | 41.7 | 86.7 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A26.d
 Acq On : 7 Dec 2022 4:45 pm
 Operator : VOA105:LAC
 Sample : WG1720634-6,31,10,10,,c1,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 21:44:13 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.812 | 96 | 461988 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 93.42% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 366350 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 94.12% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 213230 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 96.84% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 128366 | 9.962 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.62% | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 142970 | 10.005 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 100.05% | | |
| 60) Toluene-d8 | 7.484 | 98 | 466016 | 10.431 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 104.31% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 181493 | 10.219 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 102.19% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 378348 | 25.573 | ug/L | 99 |
| 10) 1,1-Dichloroethene | 2.819 | 96 | 131616 | 12.762 | ug/L | 99 |
| 15) Methylene chloride | 3.366 | 84 | 142820 | 12.868 | ug/L | 79 |
| 17) Acetone | 3.415 | 43 | 20826 | 13.243 | ug/L # | 81 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 141822 | 12.227 | ug/L | 96 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 259645 | 12.343 | ug/L | 90 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 273910 | 11.967 | ug/L | 96 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 238492 | 18.368 | ug/L | 99 |
| 32) Chloroform | 4.853 | 83 | 253694 | 12.452 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.970 | 117 | 206872 | 11.346 | ug/L | 99 |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 238461 | 12.444 | ug/L | 98 |
| 39) 2-Butanone | 5.146 | 43 | 33574 | 13.625 | ug/L # | 73 |
| 41) Benzene | 5.401 | 78 | 543701 | 12.420 | ug/L | 94 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 175454 | 11.391 | ug/L | 99 |
| 48) Trichloroethene | 5.988 | 95 | 147157 | 10.910 | ug/L | 92 |
| 57) 1,4-Dioxane | 6.819 | 88 | 31956 | 618.034 | ug/L # | 85 |
| 61) Toluene | 7.543 | 92 | 345920 | 12.344 | ug/L | 99 |
| 63) Tetrachloroethene | 7.983 | 166 | 157906 | 11.593 | ug/L | 91 |
| 73) Chlorobenzene | 9.343 | 112 | 392899 | 12.288 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 657684 | 11.783 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A26.d
 Acq On : 7 Dec 2022 4:45 pm
 Operator : VOA105:LAC
 Sample : WG1720634-6,31,10,10,,c1,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 21:44:13 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| 76) p/m Xylene | 9.559 | 106 | 513785 | 23.062 | ug/L | 84 |
| 77) o Xylene | 10.107 | 106 | 491995 | 23.714 | ug/L | 84 |
| 85) n-Propylbenzene | 10.989 | 91 | 732851 | 10.696 | ug/L | 92 |
| 90) 1,3,5-Trimethylbenzene | 11.224 | 105 | 545230 | 10.967 | ug/L | 91 |
| 94) tert-Butylbenzene | 11.567 | 119 | 512824 | 11.645 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 11.645 | 105 | 521546 | 10.789 | ug/L | 92 |
| 98) sec-Butylbenzene | 11.753 | 105 | 659481 | 10.603 | ug/L | 95 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 294602 | 10.659 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.076 | 146 | 289768 | 10.373 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 377719 | 8.560 | ug/L | 96 |
| 104) 1,2-Dichlorobenzene | 12.507 | 146 | 277718 | 11.233 | ug/L | 96 |

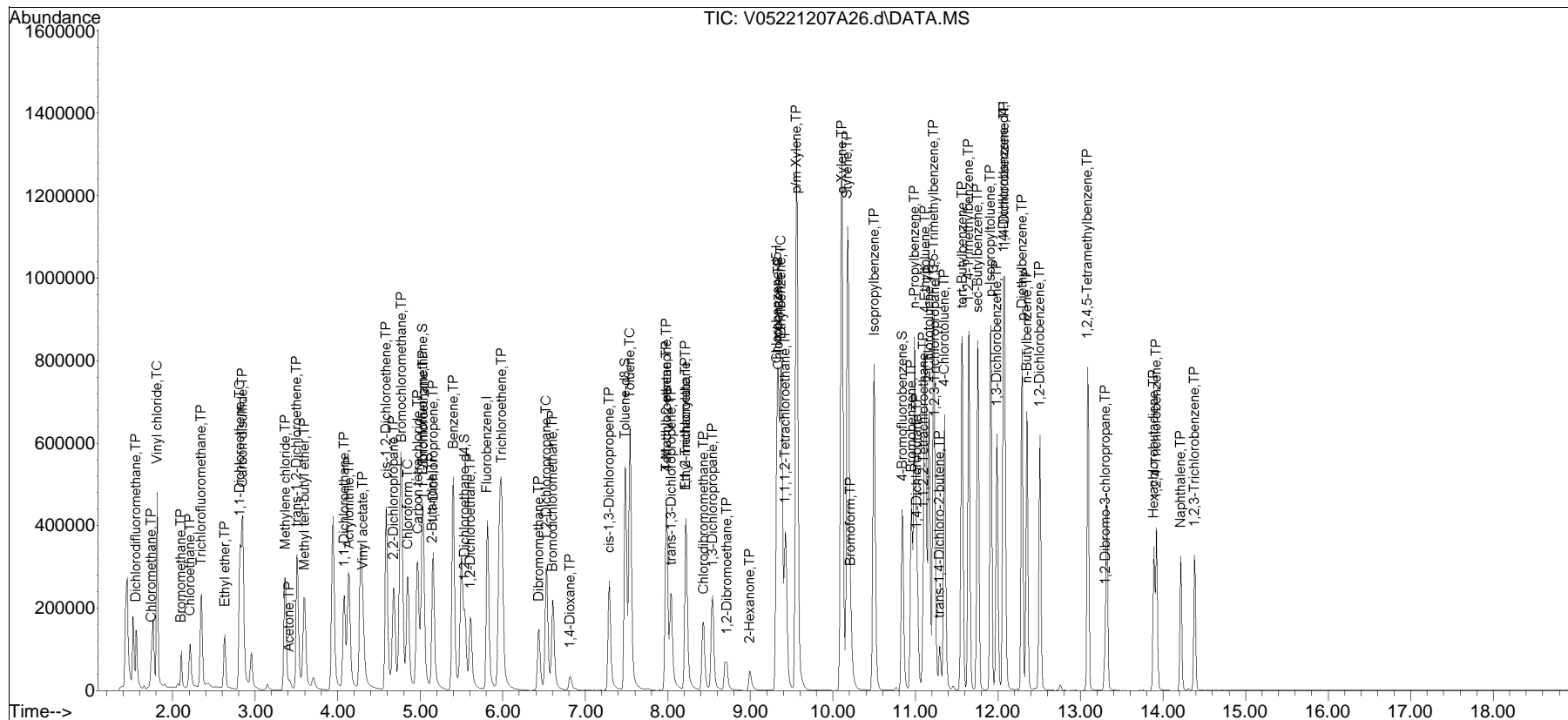
(#) = qualifier out of range (m) = manual integration (+) = signals summed

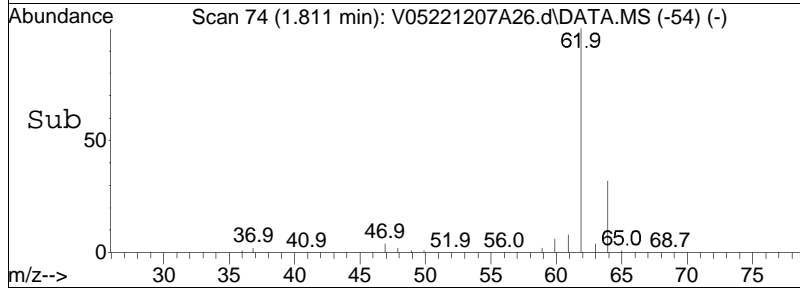
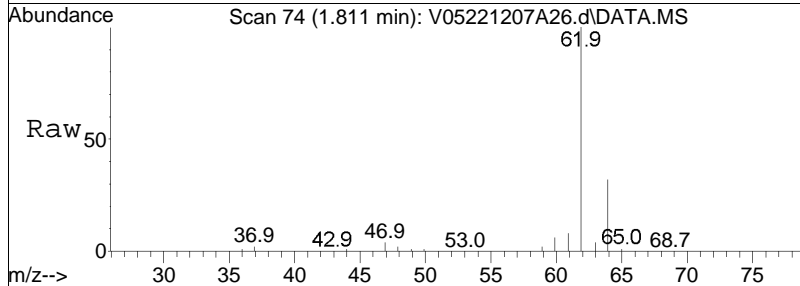
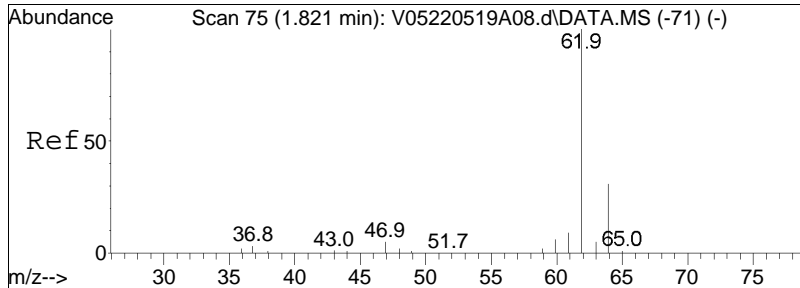
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A26.d
 Acq On : 7 Dec 2022 4:45 pm
 Operator : VOA105:LAC
 Sample : WG1720634-6,31,10,10,,c1,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 07 21:44:13 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

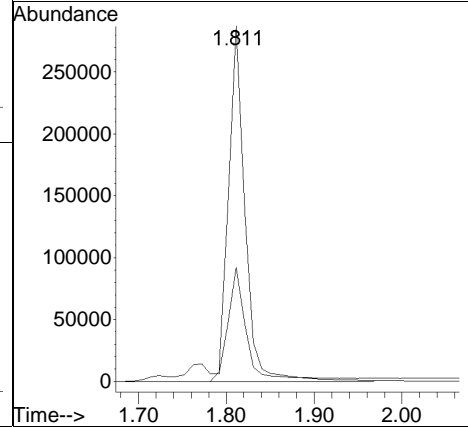
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d•

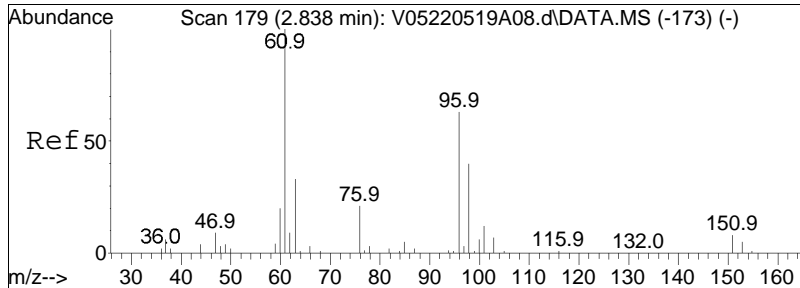




#4
 Vinyl chloride
 Concen: 25.57 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

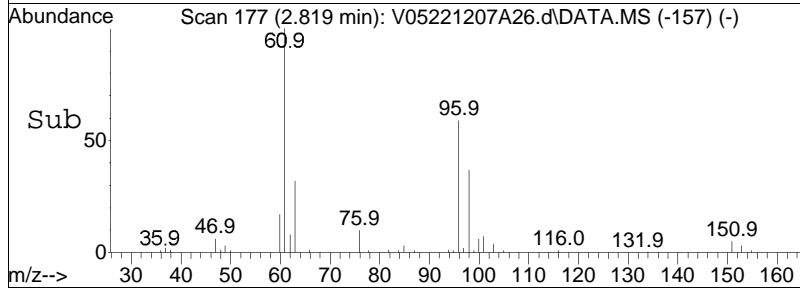
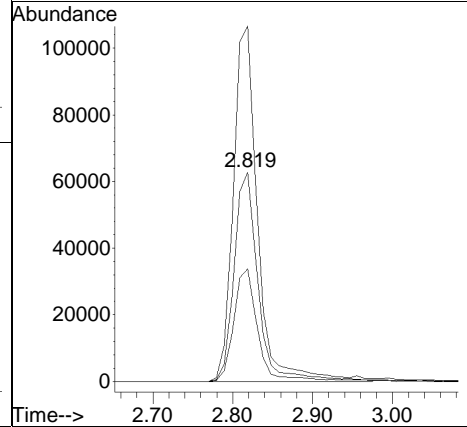
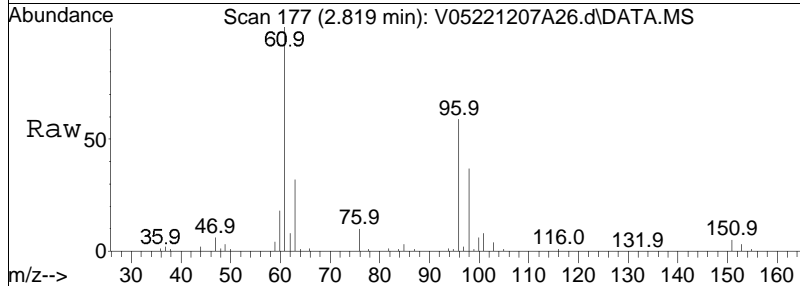
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 62 | 100 | | |
| 64 | 33.0 | 13.5 | 53.5 |

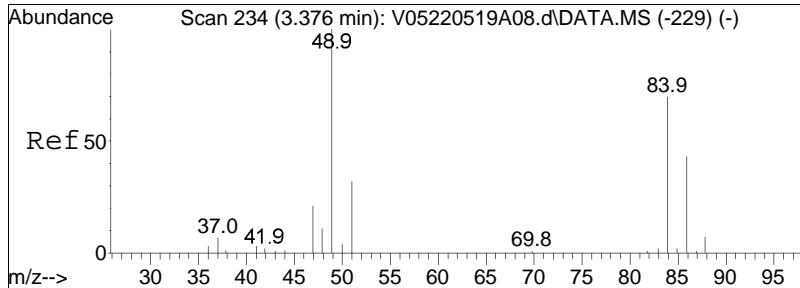




#10
 1,1-Dichloroethene
 Concen: 12.76 ug/L
 RT: 2.819 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

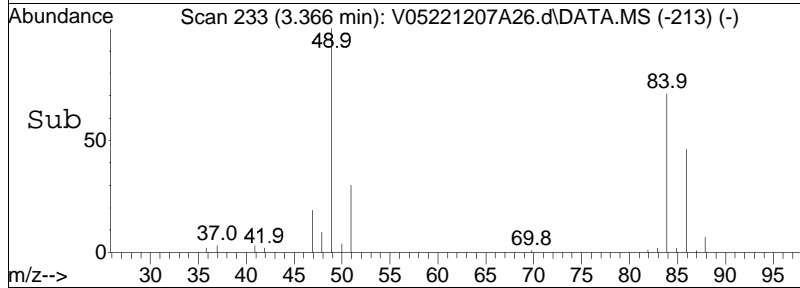
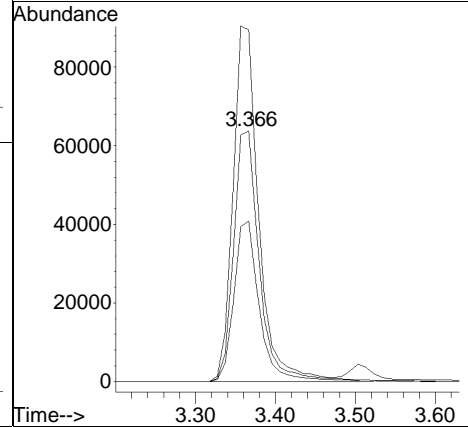
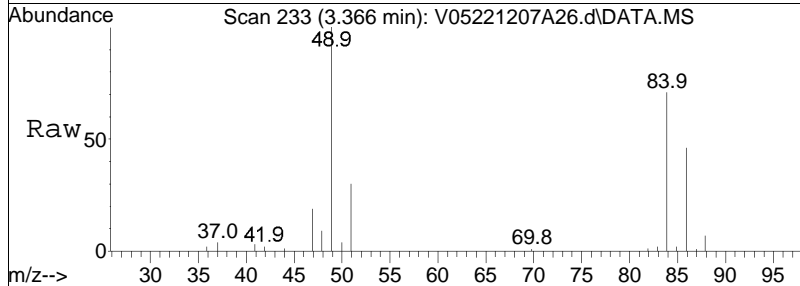
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 96 | 100 | | |
| 61 | 171.9 | 136.7 | 205.1 |
| 63 | 53.8 | 45.0 | 67.6 |

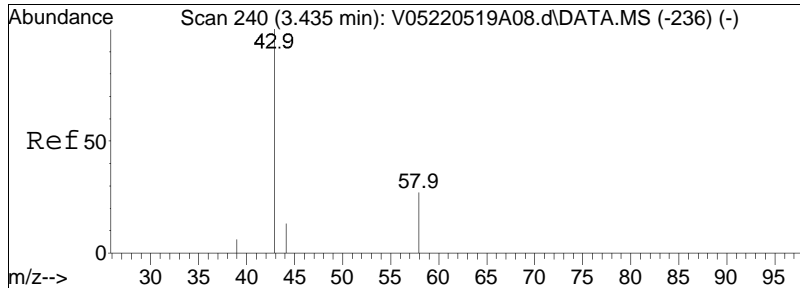




#15
 Methylene chloride
 Concen: 12.87 ug/L
 RT: 3.366 min Scan# 233
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

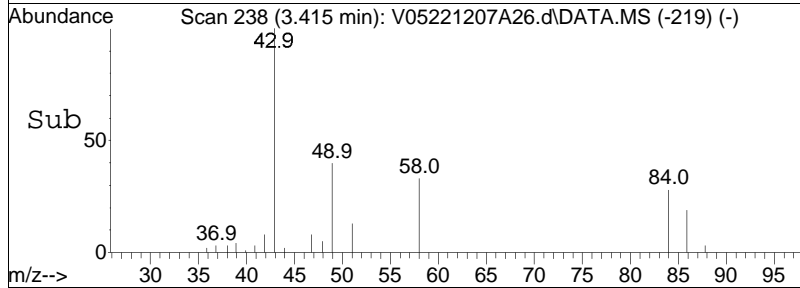
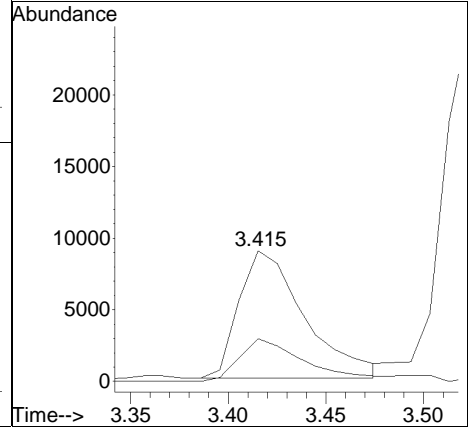
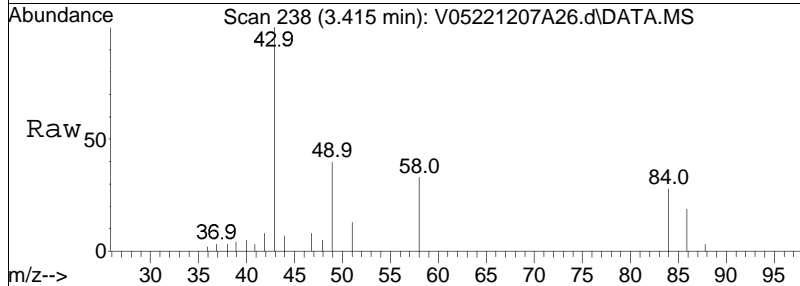
| Tgt Ion: | 84 | Resp: | 142820 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 63.5 | 42.1 | 87.5 |
| 49 | 140.9 | 69.3 | 143.9 |

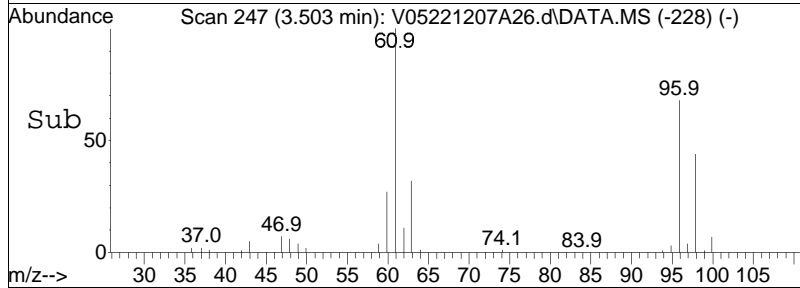
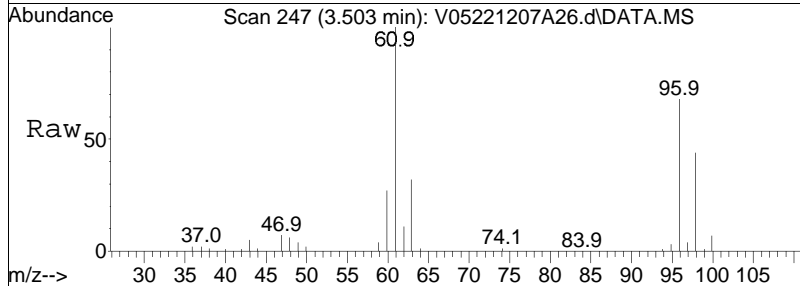
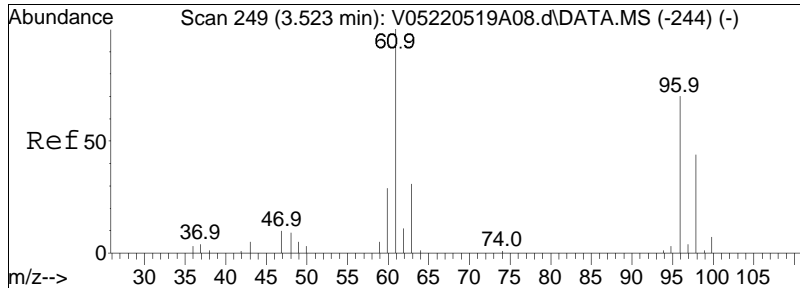




#17
 Acetone
 Concen: 13.24 ug/L
 RT: 3.415 min Scan# 238
 Delta R.T. -0.010 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

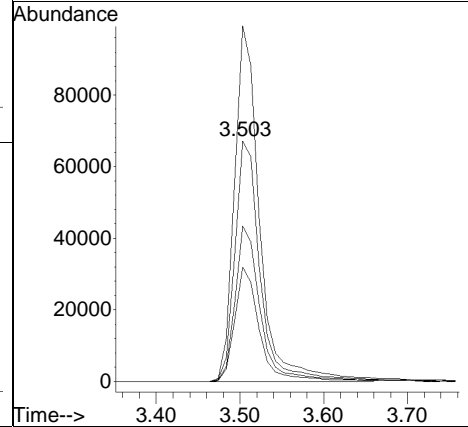
Tgt Ion: 43 Resp: 20826
 Ion Ratio Lower Upper
 43 100
 58 37.3 22.0 33.0#

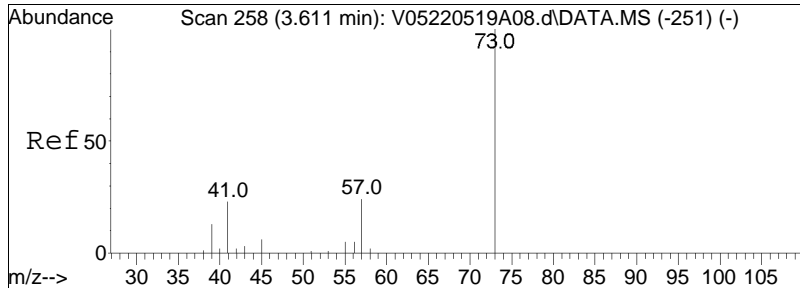




#18
 trans-1,2-Dichloroethene
 Concen: 12.23 ug/L
 RT: 3.503 min Scan# 247
 Delta R.T. -0.010 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

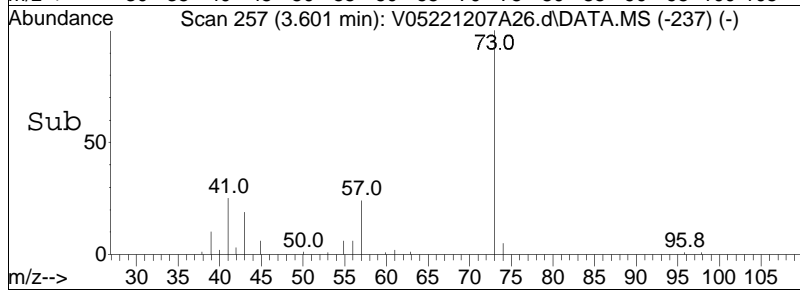
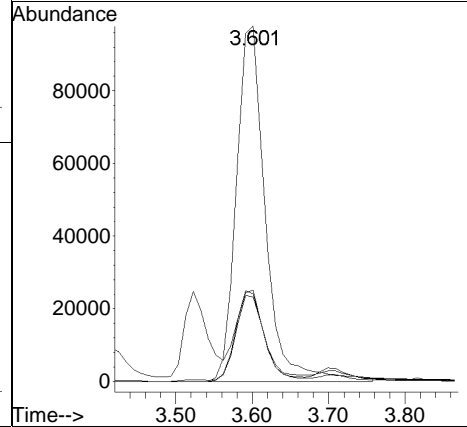
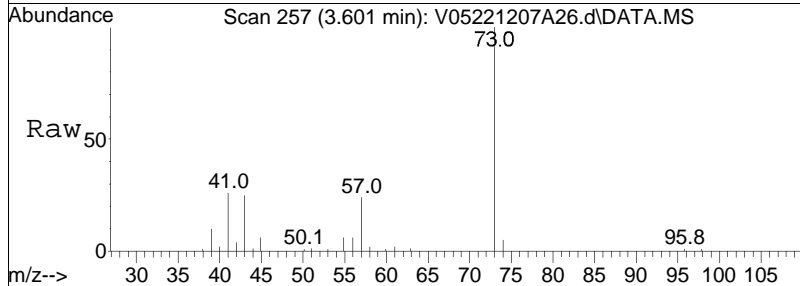
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 96 | 141822 | | |
| 96 | 100 | | |
| 61 | 147.6 | 91.7 | 190.5 |
| 98 | 64.7 | 41.1 | 85.5 |
| 63 | 46.4 | 29.4 | 61.0 |

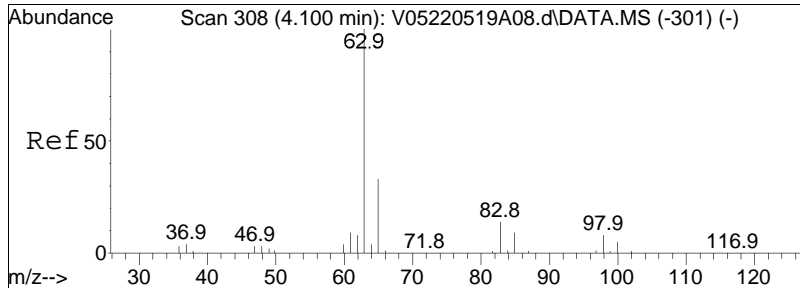




#20
 Methyl tert-butyl ether
 Concen: 12.34 ug/L
 RT: 3.601 min Scan# 257
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

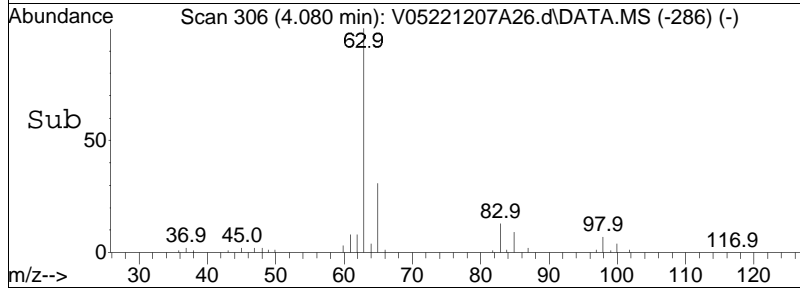
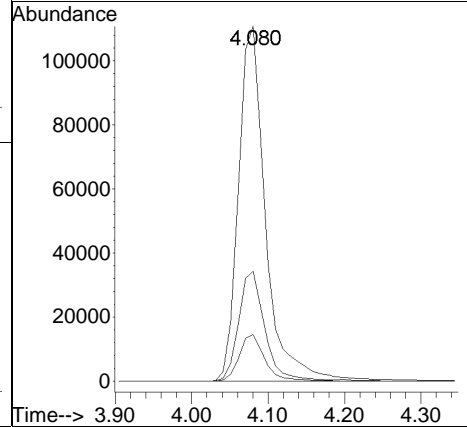
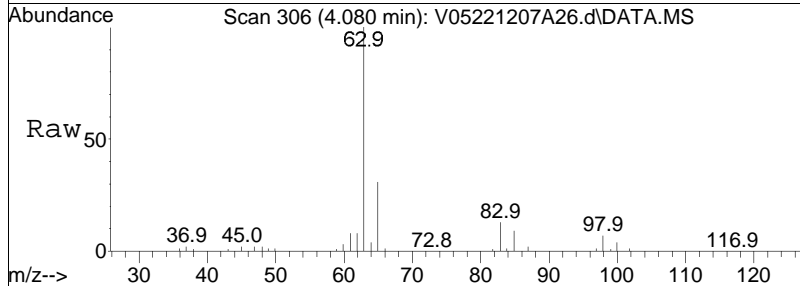
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 24.1 | 11.8 | 24.6 |
| 43 | 23.3 | 13.5 | 27.9 |
| 41 | 25.7 | 13.3 | 27.5 |

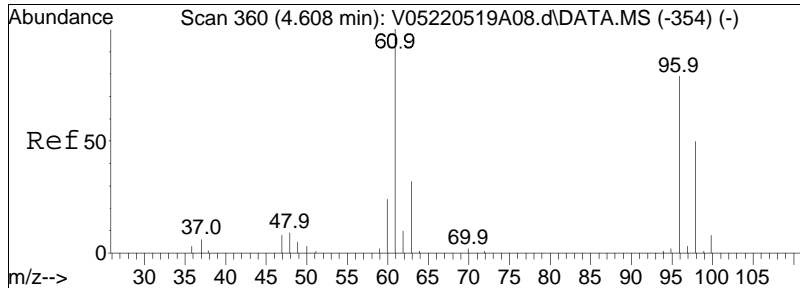




#23
 1,1-Dichloroethane
 Concen: 11.97 ug/L
 RT: 4.080 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

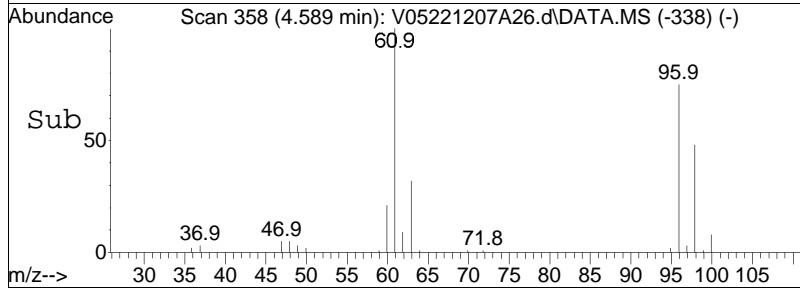
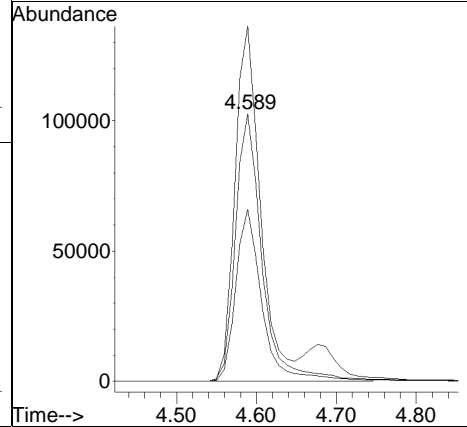
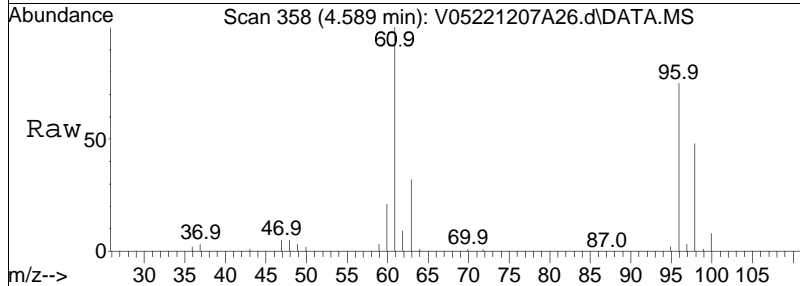
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 63 | 100 | | |
| 65 | 30.0 | 11.9 | 51.9 |
| 83 | 12.7 | 0.0 | 34.2 |

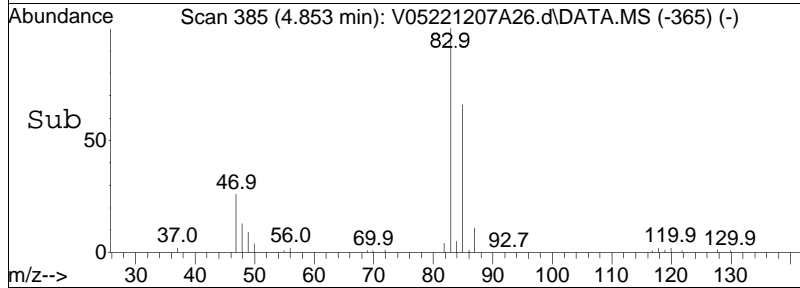
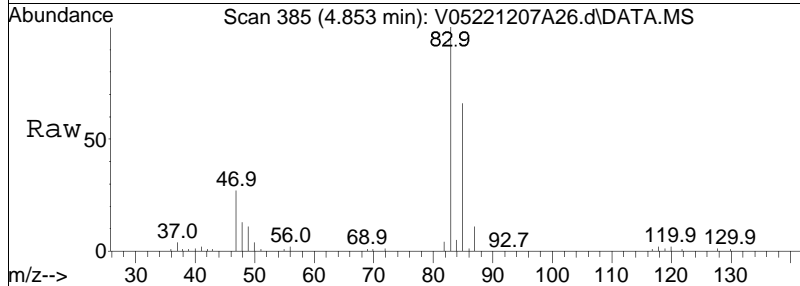
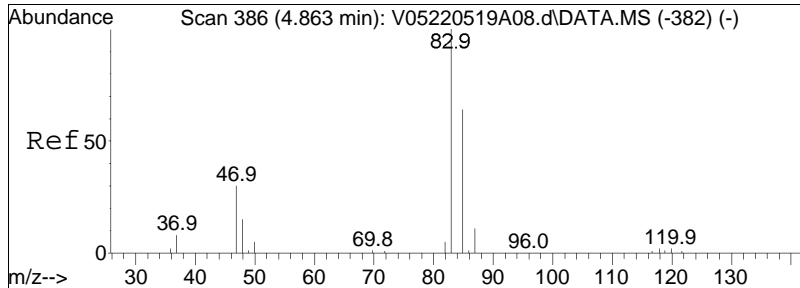




#28
 cis-1,2-Dichloroethene
 Concen: 18.37 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

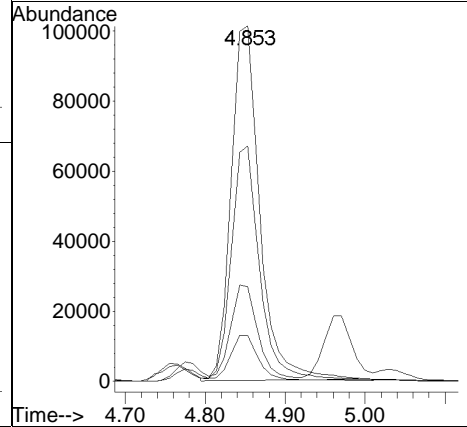
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 126.2 | 100.5 | 150.7 |
| 98 | 63.8 | 49.8 | 74.8 |

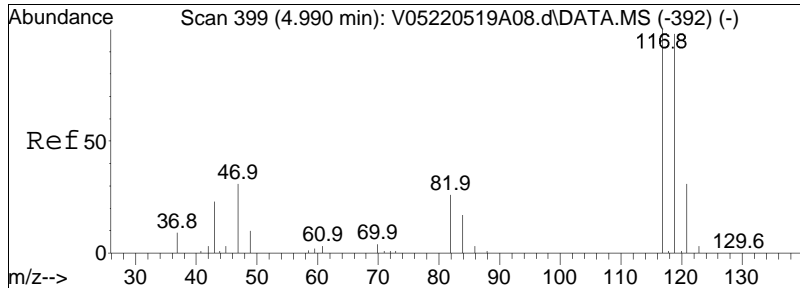




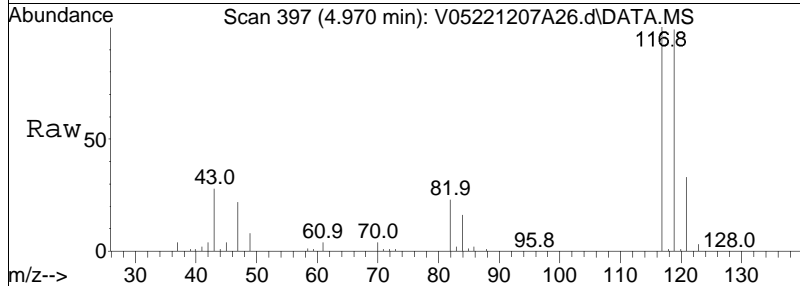
#32
 Chloroform
 Concen: 12.45 ug/L
 RT: 4.853 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

| Tgt Ion: | 83 | Resp: | 253694 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 83 | 100 | | |
| 85 | 65.0 | 42.8 | 89.0 |
| 47 | 24.3 | 13.7 | 28.4 |
| 48 | 12.3 | 6.9 | 14.3 |

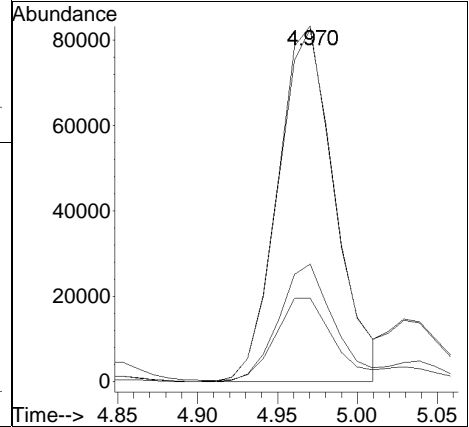
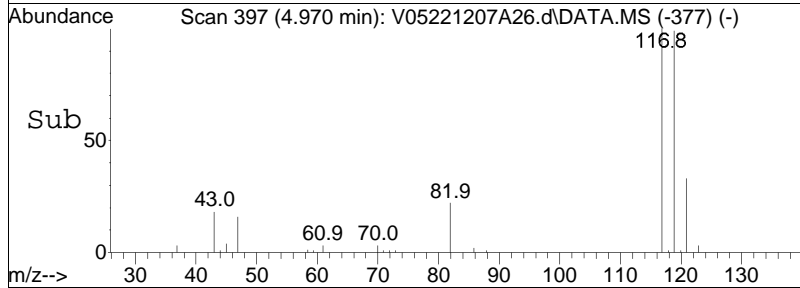


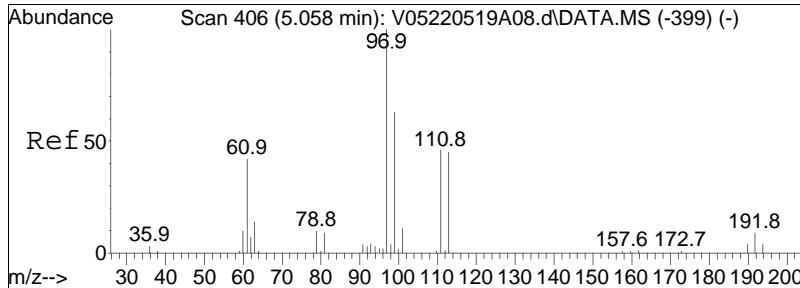


#34
 Carbon tetrachloride
 Concen: 11.35 ug/L
 RT: 4.970 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm



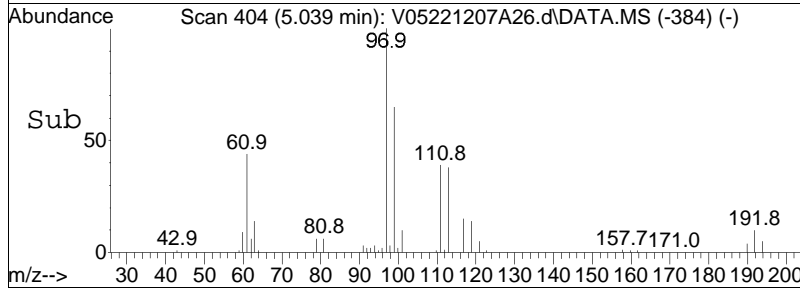
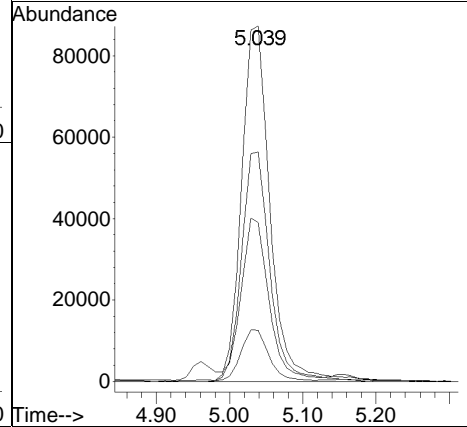
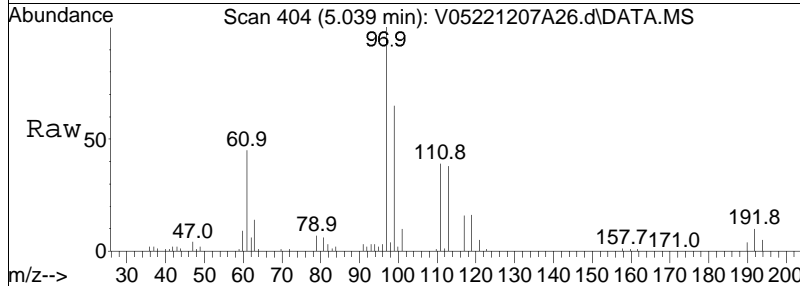
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 117 | 206872 | | |
| 117 | 100 | | |
| 119 | 98.9 | 63.6 | 132.2 |
| 121 | 31.8 | 19.8 | 41.0 |
| 82 | 23.4 | 15.9 | 32.9 |

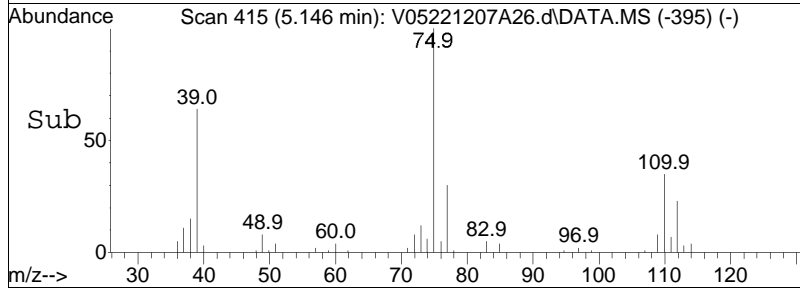
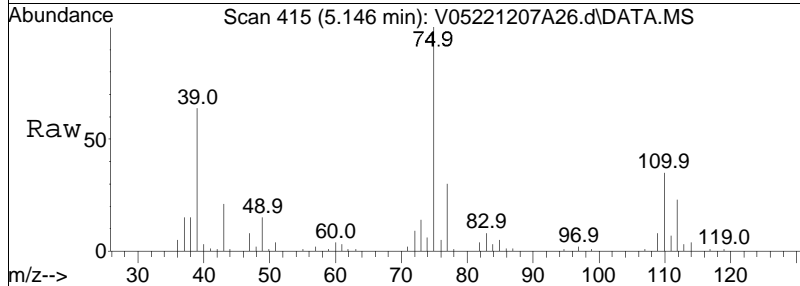
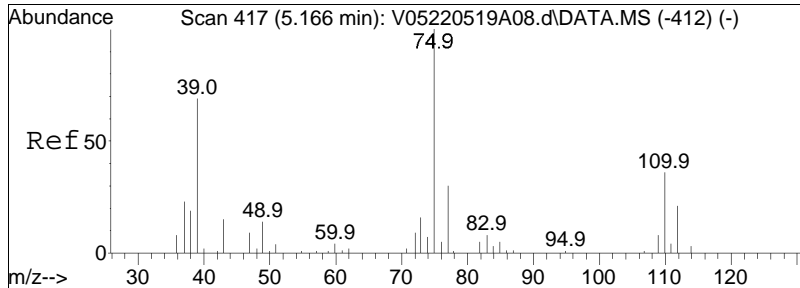




#37
 1,1,1-Trichloroethane
 Concen: 12.44 ug/L
 RT: 5.039 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

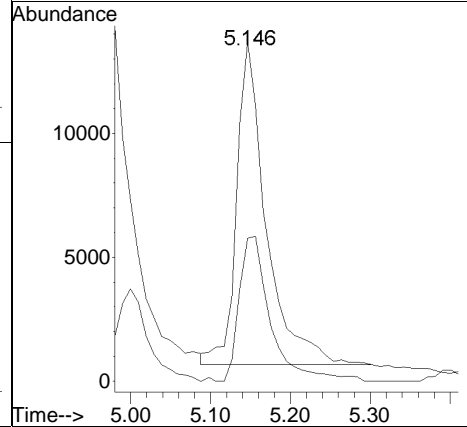
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 97 | 100 | | |
| 99 | 64.2 | 41.7 | 86.5 |
| 61 | 43.5 | 26.1 | 54.3 |
| 63 | 14.3 | 8.5 | 17.6 |

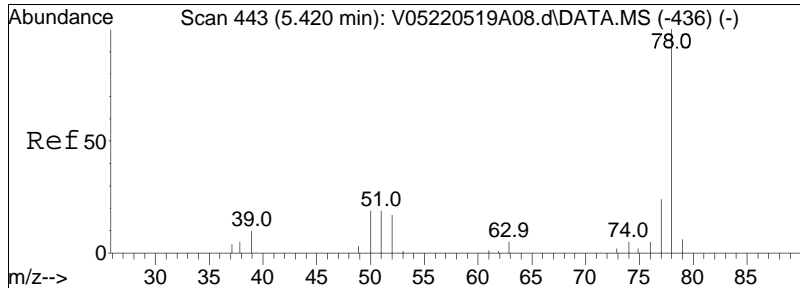




#39
 2-Butanone
 Concen: 13.62 ug/L
 RT: 5.146 min Scan# 415
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

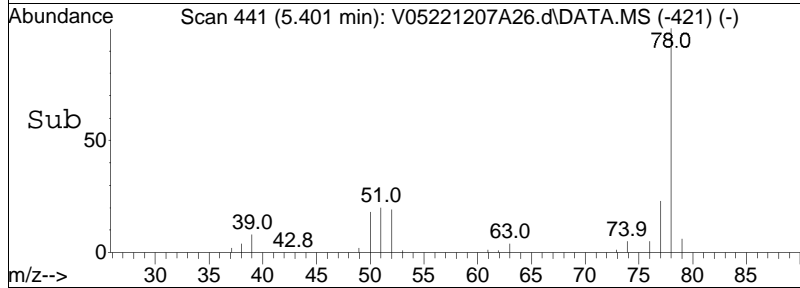
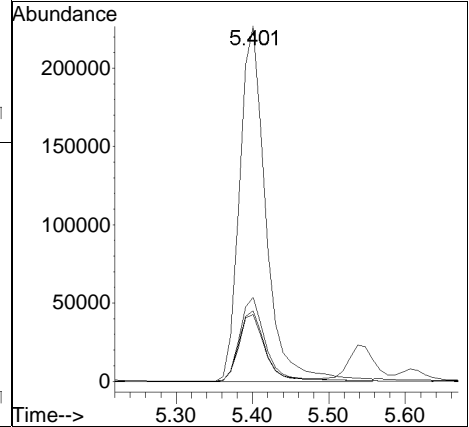
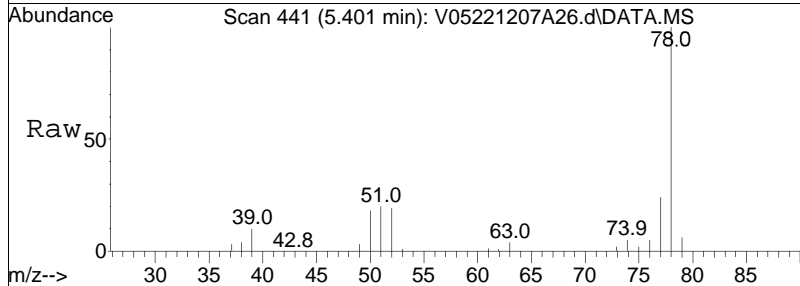
Tgt Ion: 43 Resp: 33574
 Ion Ratio Lower Upper
 43 100
 72 47.8 55.6 83.4#

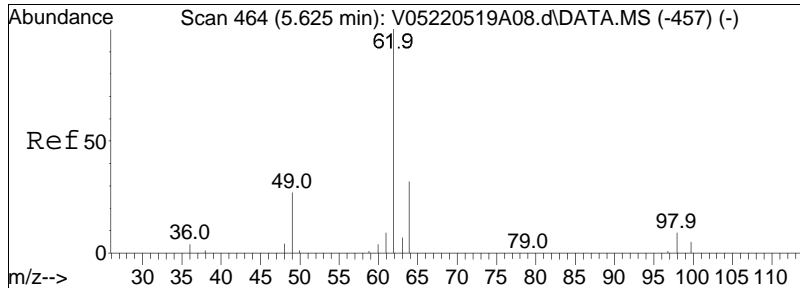




#41
 Benzene
 Concen: 12.42 ug/L
 RT: 5.401 min Scan# 441
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

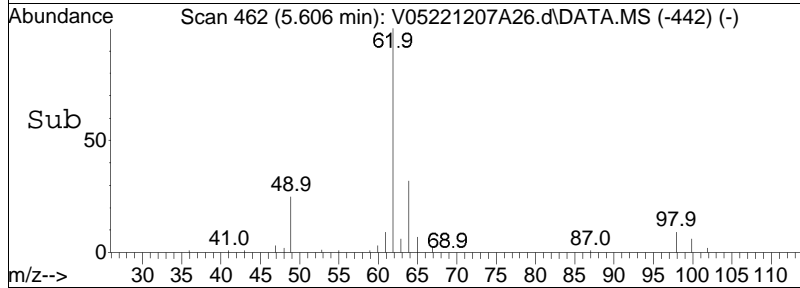
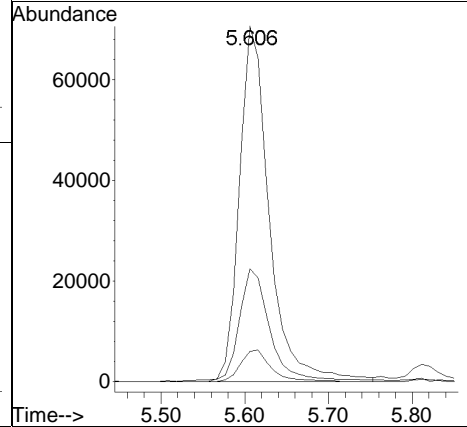
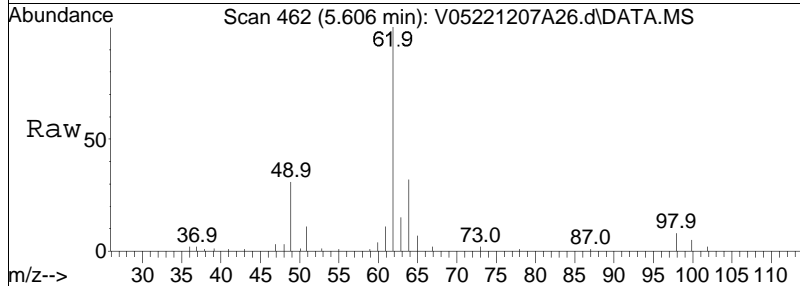
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 23.1 | 15.2 | 31.6 |
| 51 | 19.4 | 10.5 | 21.7 |
| 52 | 19.4 | 9.5 | 19.7 |

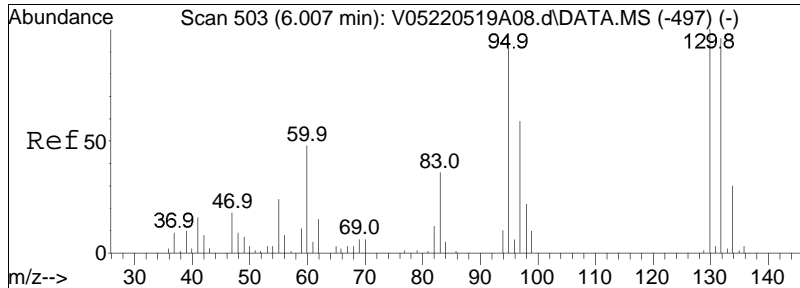




#44
 1,2-Dichloroethane
 Concen: 11.39 ug/L
 RT: 5.606 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

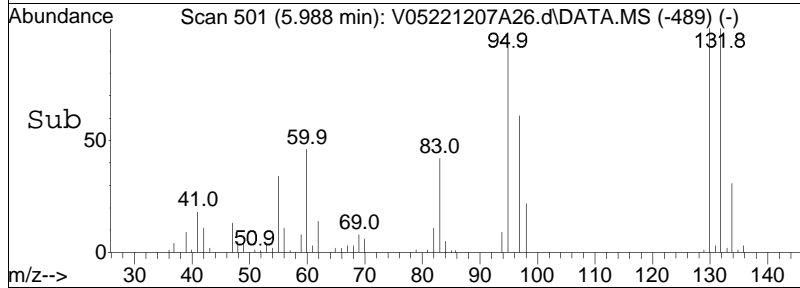
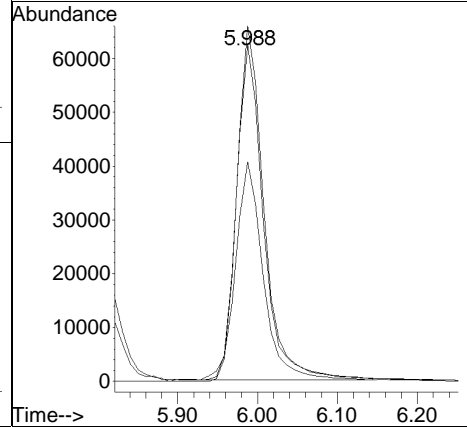
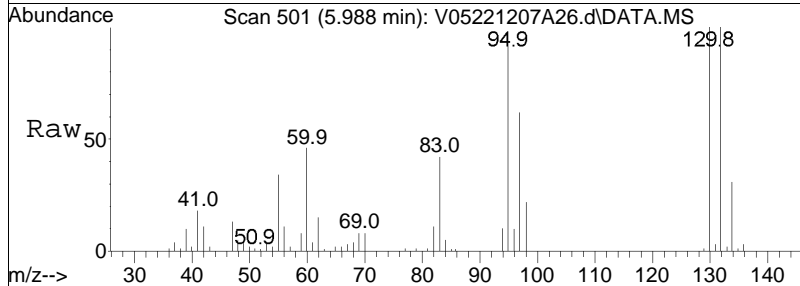
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper | |
| 62 | 100 | | |
| 64 | 32.8 | 13.2 | 53.2 |
| 98 | 9.0 | 0.0 | 27.8 |

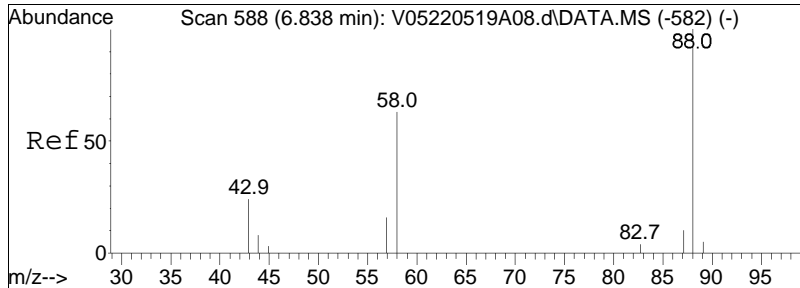




#48
 Trichloroethene
 Concen: 10.91 ug/L
 RT: 5.988 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

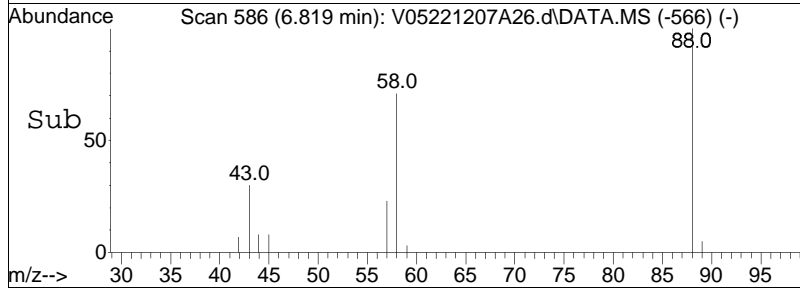
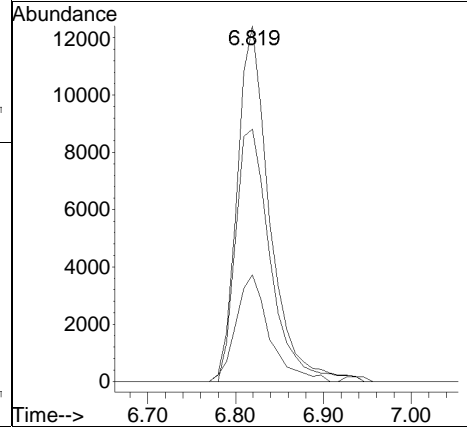
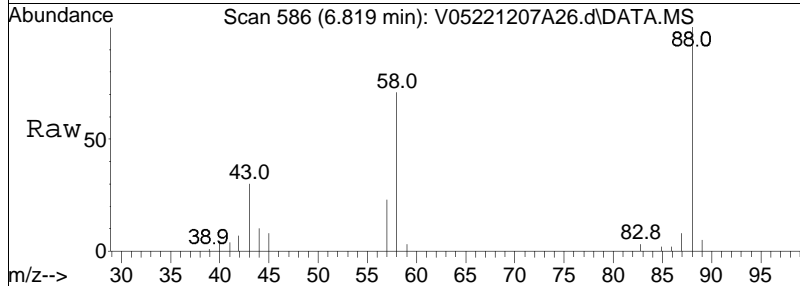
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 95 | 100 | | |
| 97 | 66.6 | 56.1 | 84.1 |
| 130 | 107.6 | 77.7 | 116.5 |

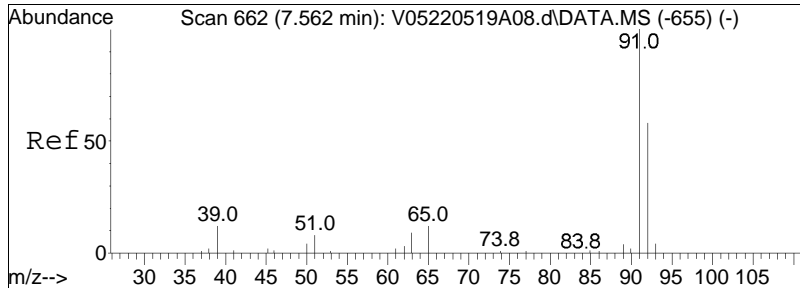




#57
 1,4-Dioxane
 Concen: 618.03 ug/L
 RT: 6.819 min Scan# 586
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

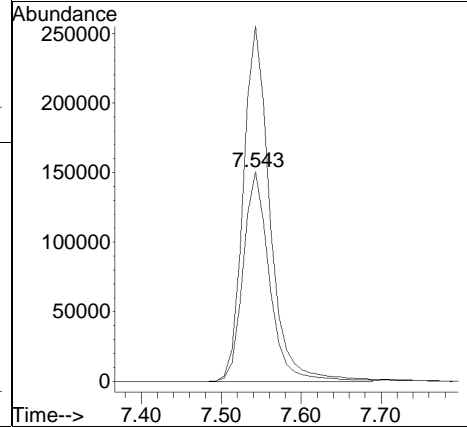
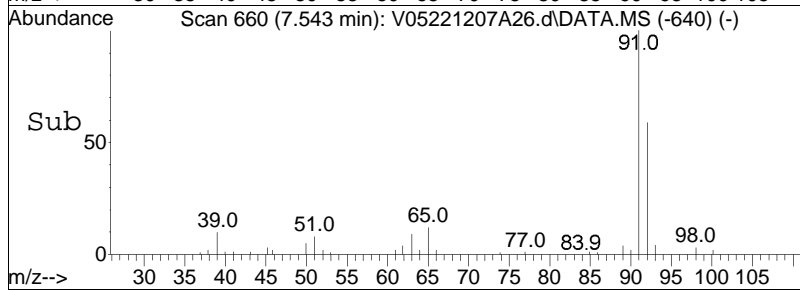
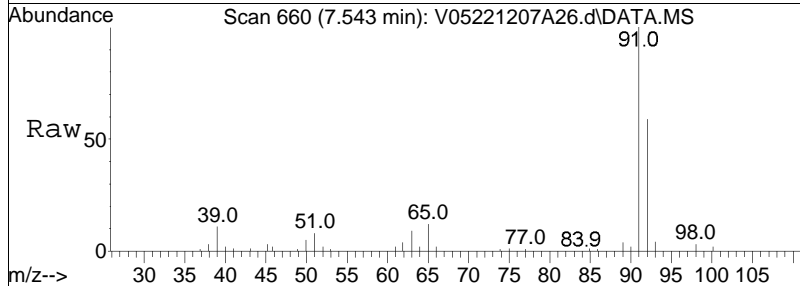
| Tgt Ion: | 88 | Resp: | 31956 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 76.5 | 50.6 | 75.8# |
| 43 | 30.8 | 20.5 | 30.7# |

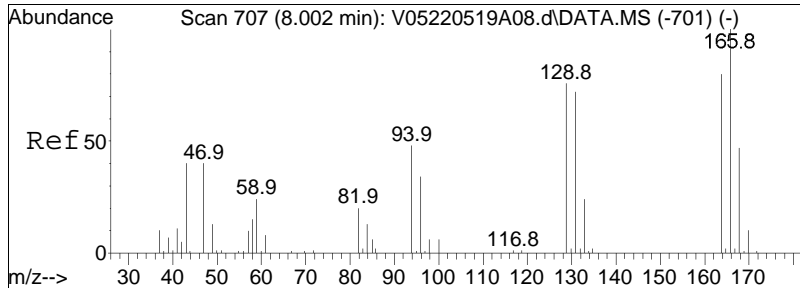




#61
 Toluene
 Concen: 12.34 ug/L
 RT: 7.543 min Scan# 660
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

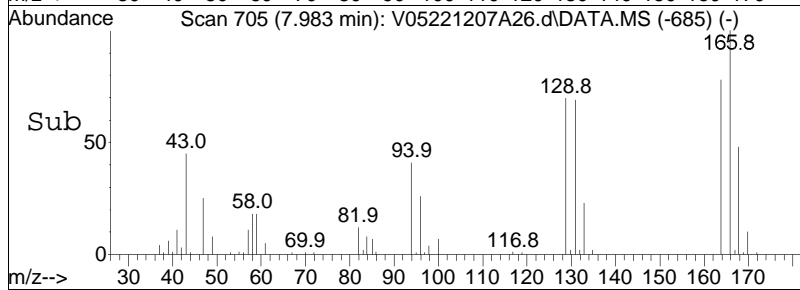
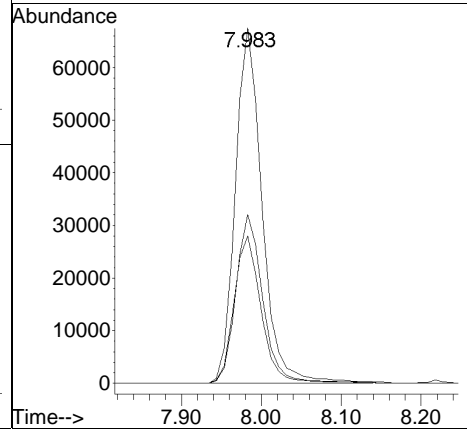
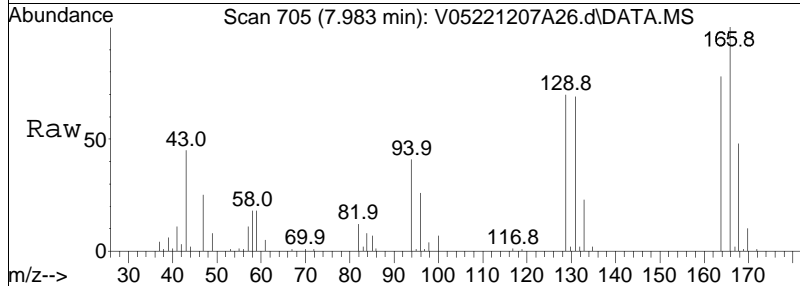
| Tgt Ion: | Resp: | Lower | Upper |
|----------|--------|-------|-------|
| 92 | 345920 | | |
| 91 | 170.7 | 135.2 | 202.8 |

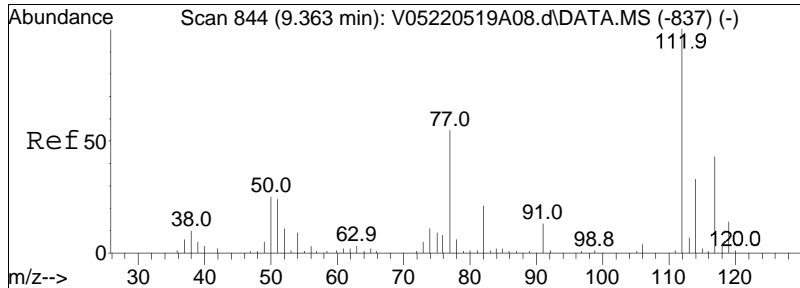




#63
 Tetrachloroethene
 Concen: 11.59 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

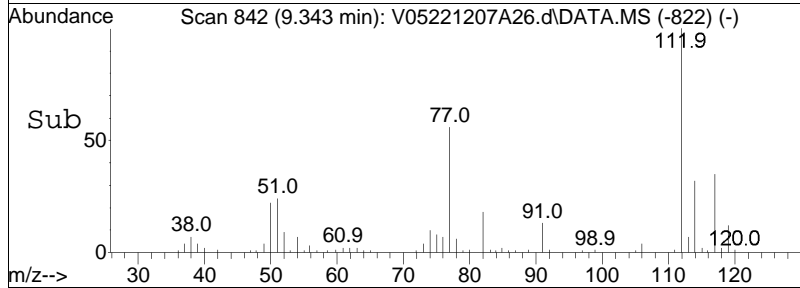
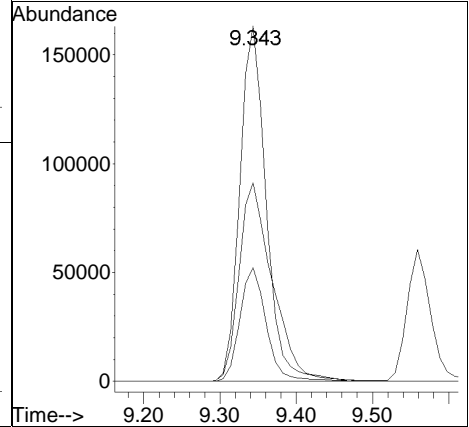
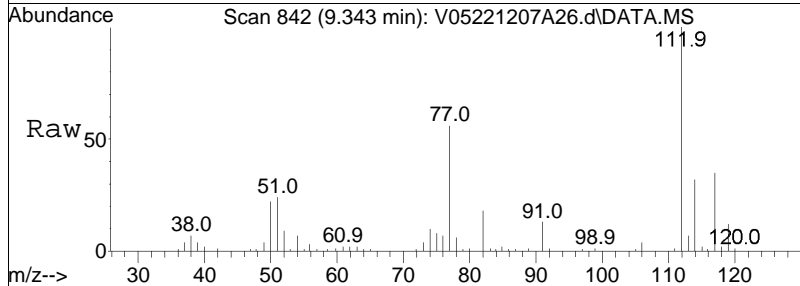
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 47.9 | 30.2 | 70.2 |
| 94 | 41.9 | 32.5 | 72.5 |

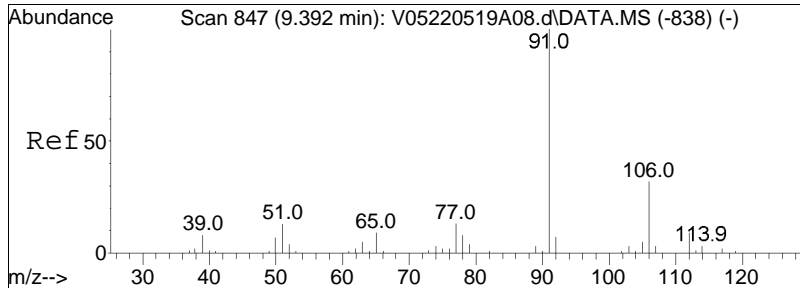




#73
 Chlorobenzene
 Concen: 12.29 ug/L
 RT: 9.343 min Scan# 842
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

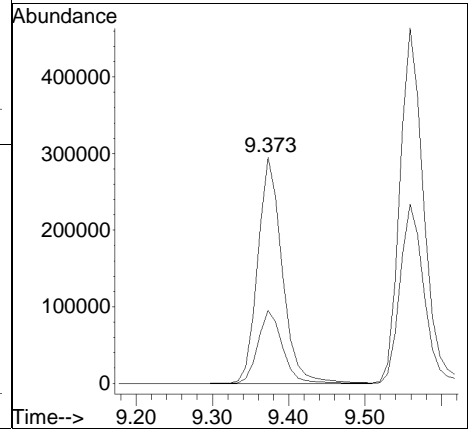
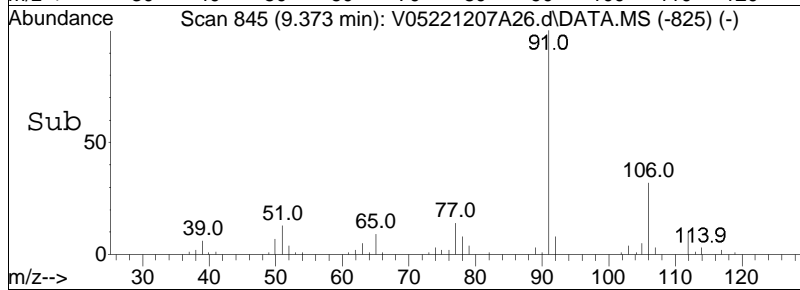
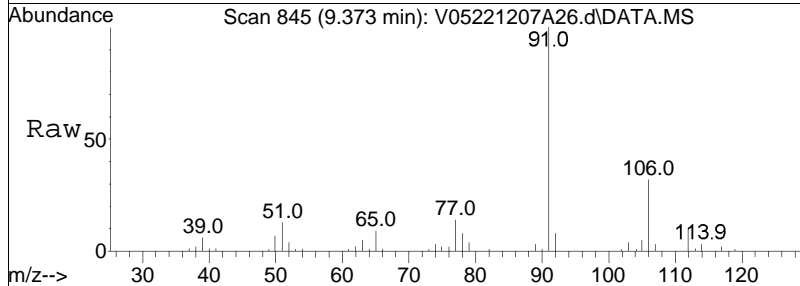
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112 | 100 | | |
| 77 | 70.3 | 66.1 | 99.1 |
| 114 | 32.1 | 25.4 | 38.0 |

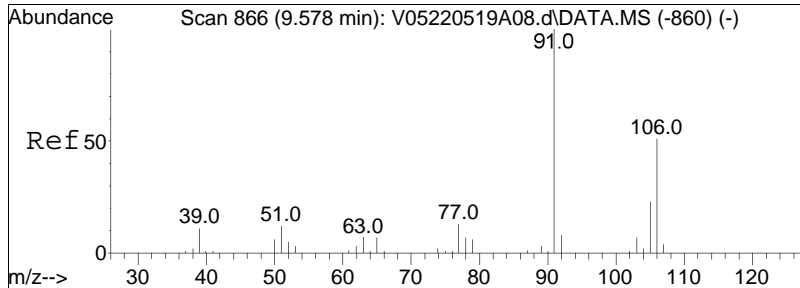




#74
 Ethylbenzene
 Concen: 11.78 ug/L
 RT: 9.373 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

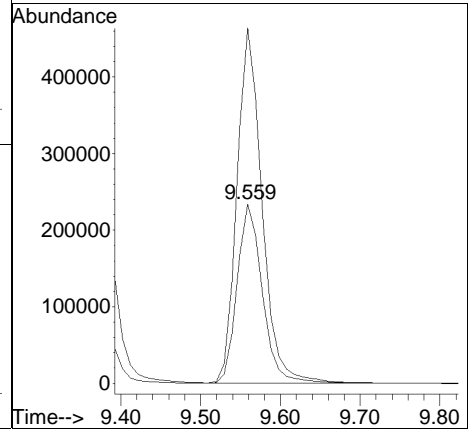
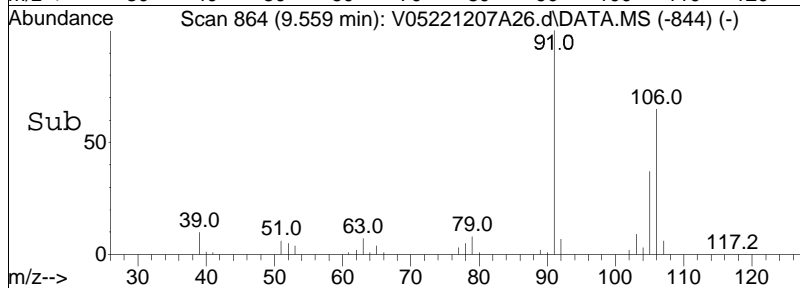
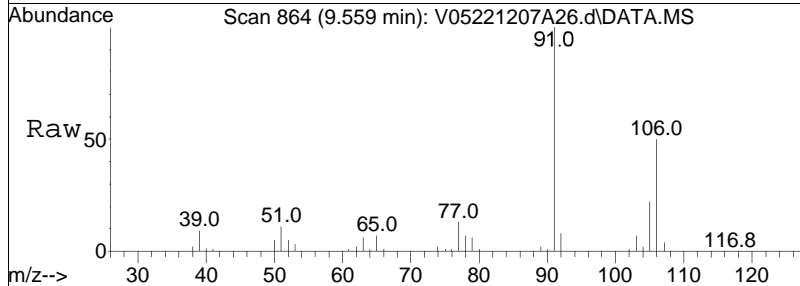
| Tgt Ion: | 91 | Resp: | 657684 |
|-----------|------|-------|--------|
| Ion Ratio | 100 | Lower | Upper |
| 91 | 100 | | |
| 106 | 32.3 | 22.9 | 34.3 |

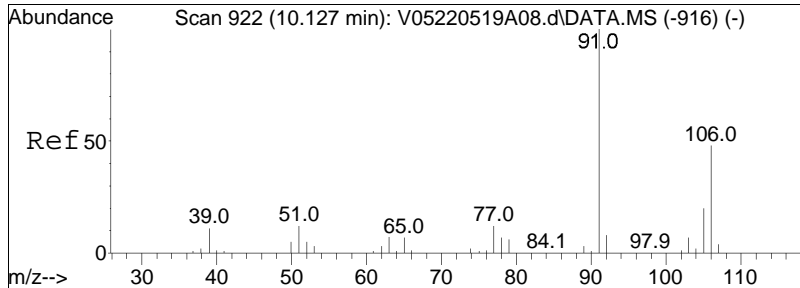




#76
 p/m Xylene
 Concen: 23.06 ug/L
 RT: 9.559 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

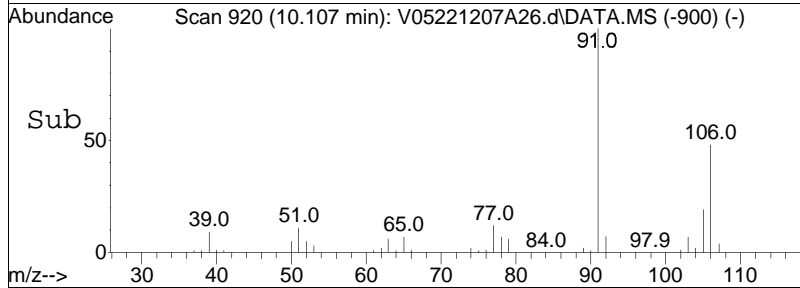
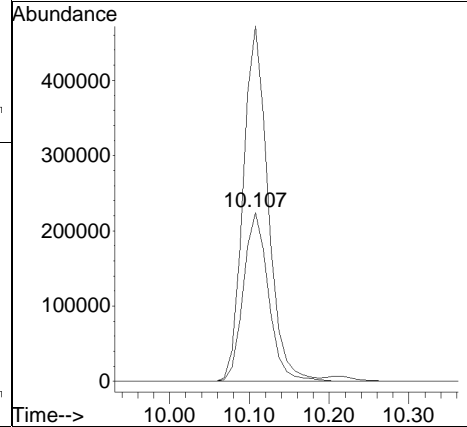
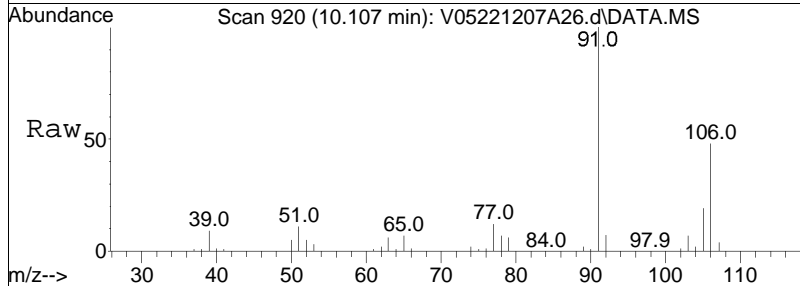
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 196.0 | 177.2 | 265.8 |

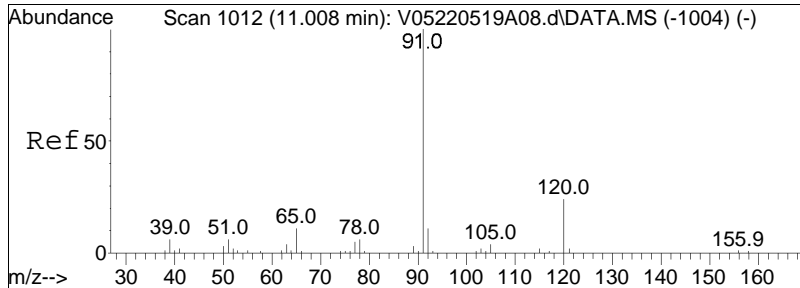




#77
 o Xylene
 Concen: 23.71 ug/L
 RT: 10.107 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

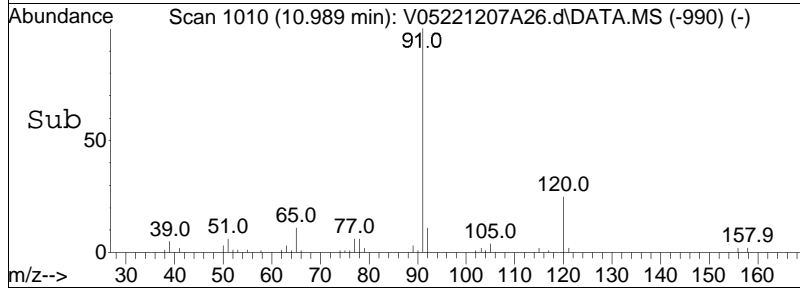
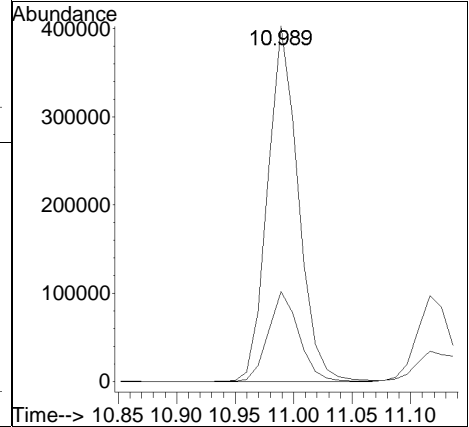
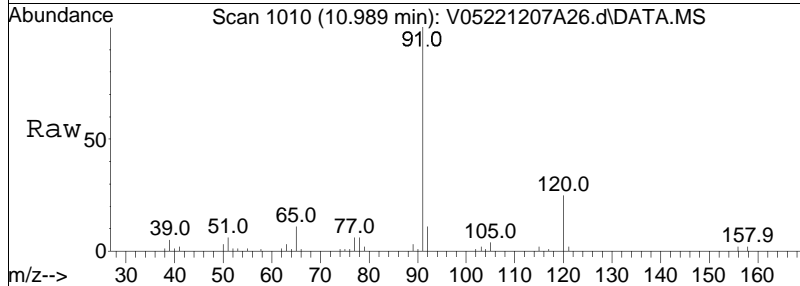
Tgt Ion:106 Resp: 491995
 Ion Ratio Lower Upper
 106 100
 91 207.2 187.0 280.6

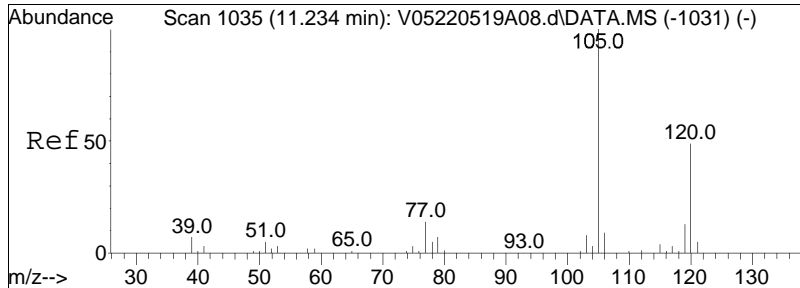




#85
 n-Propylbenzene
 Concen: 10.70 ug/L
 RT: 10.989 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

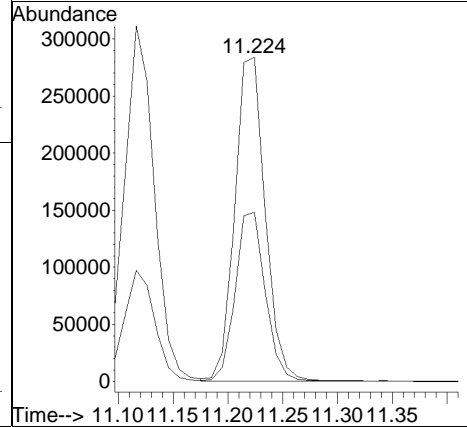
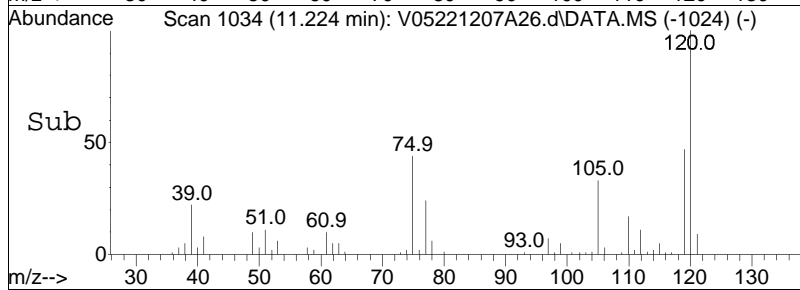
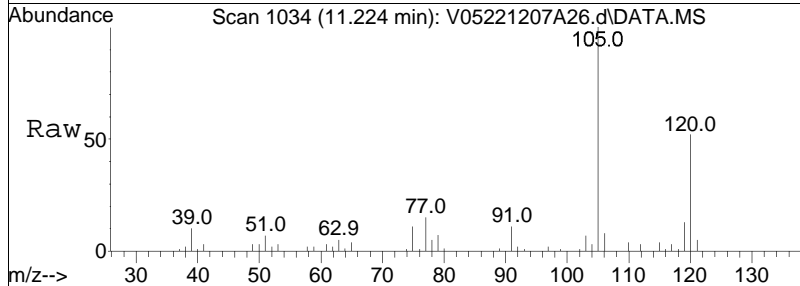
| Tgt Ion: | 91 | 120 | Resp: | 732851 |
|-----------|-----|------|-------|--------|
| Ion Ratio | 100 | 25.2 | Lower | Upper |
| | | | 17.3 | 25.9 |

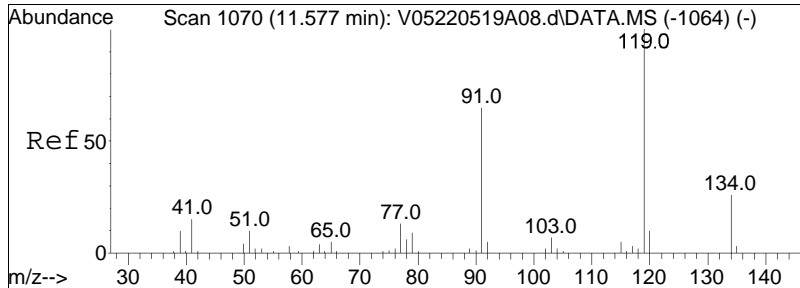




#90
 1,3,5-Trimethylbenzene
 Concen: 10.97 ug/L
 RT: 11.224 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

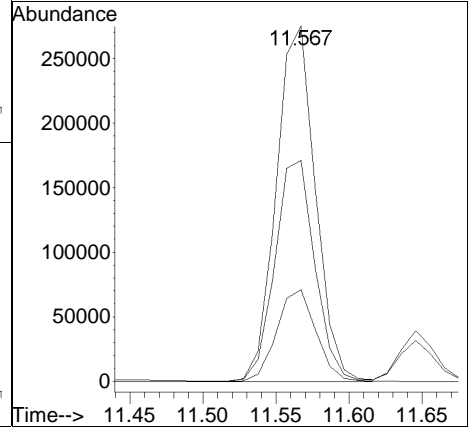
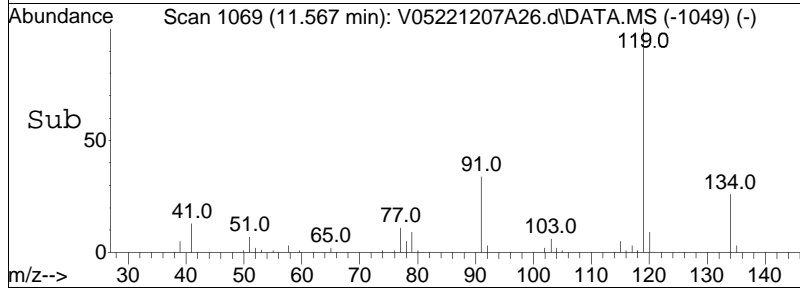
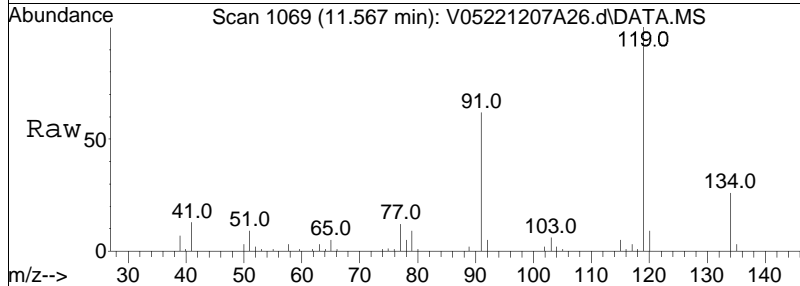
| | | | |
|-----------|-------|-------|--------|
| Tgt Ion: | 105 | Resp: | 545230 |
| Ion Ratio | Lower | Upper | |
| 105 | 100 | | |
| 120 | 52.2 | 37.0 | 55.6 |

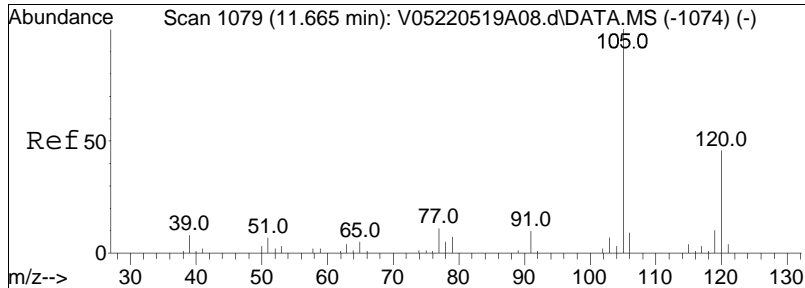




#94
 tert-Butylbenzene
 Concen: 11.65 ug/L
 RT: 11.567 min Scan# 1069
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

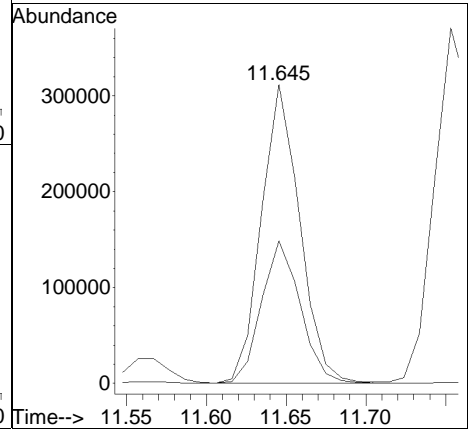
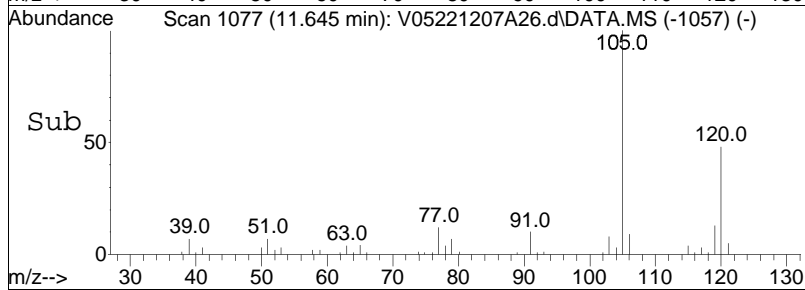
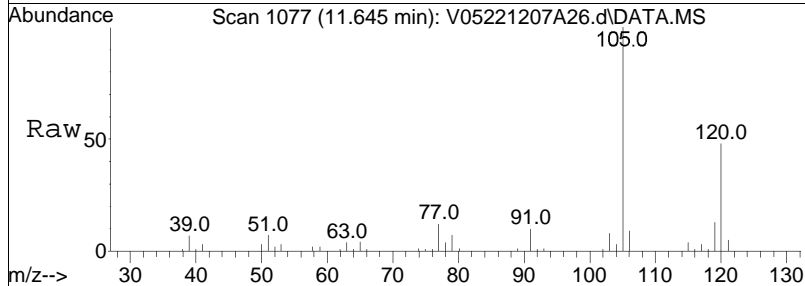
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119 | 100 | | |
| 91 | 63.0 | 49.2 | 73.8 |
| 134 | 25.8 | 18.3 | 27.5 |

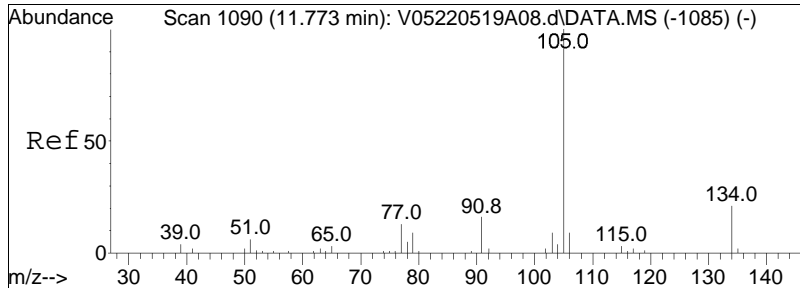




#97
 1,2,4-Trimethylbenzene
 Concen: 10.79 ug/L
 RT: 11.645 min Scan# 1077
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

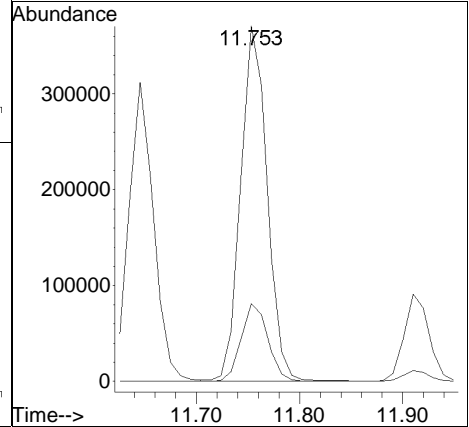
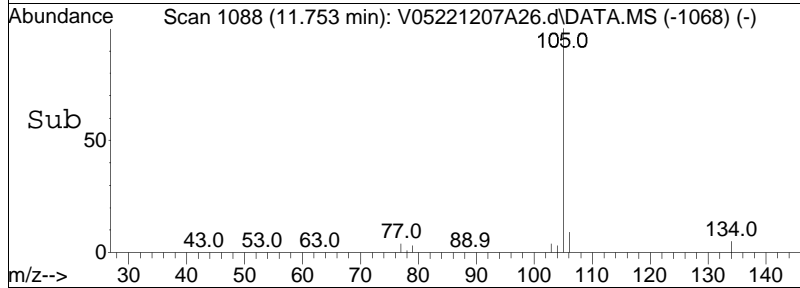
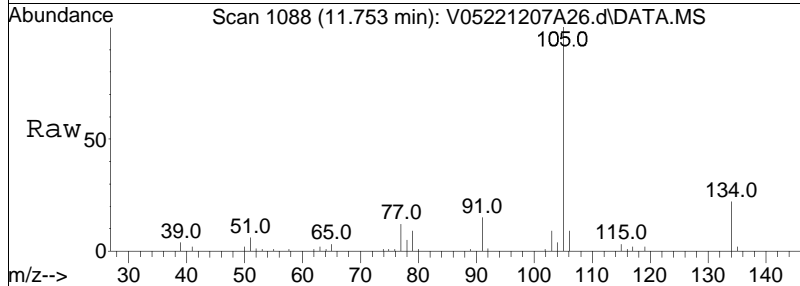
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 48.1 | 34.4 | 51.6 |

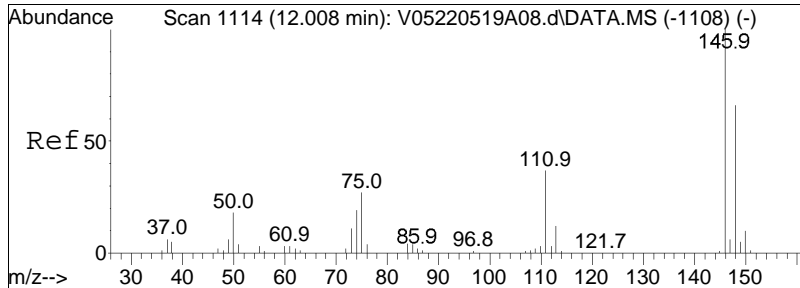




#98
 sec-Butylbenzene
 Concen: 10.60 ug/L
 RT: 11.753 min Scan# 1088
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

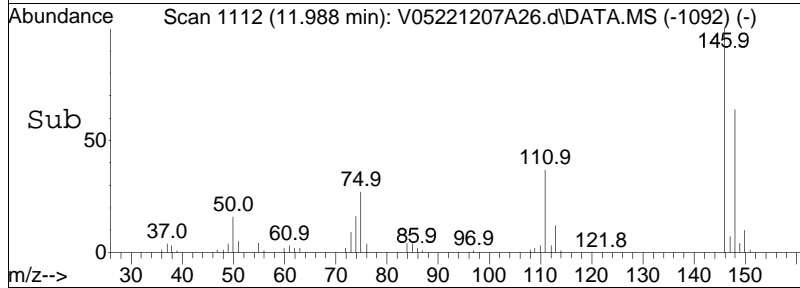
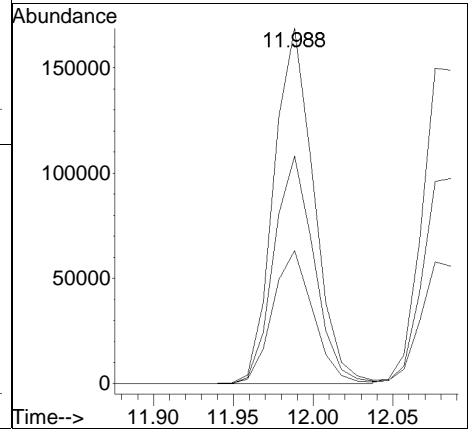
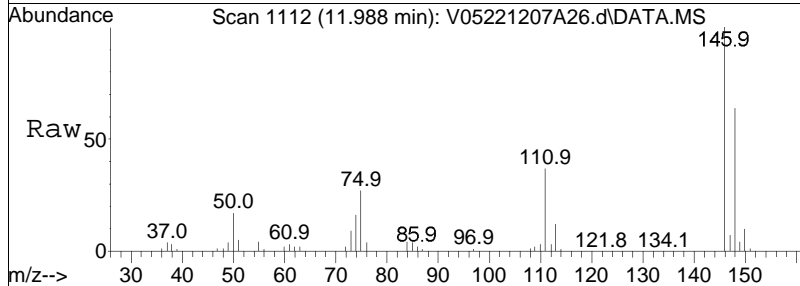
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 22.2 | 12.9 | 26.9 |

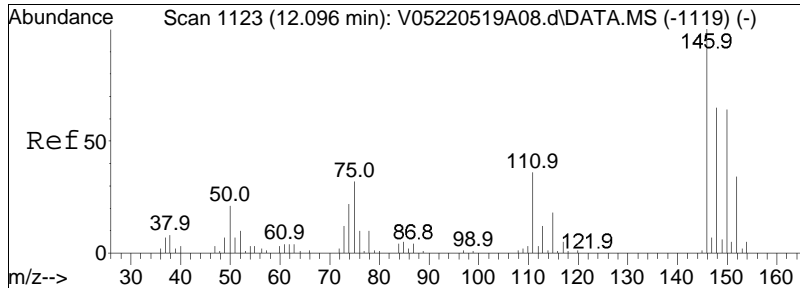




#100
 1,3-Dichlorobenzene
 Concen: 10.66 ug/L
 RT: 11.988 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

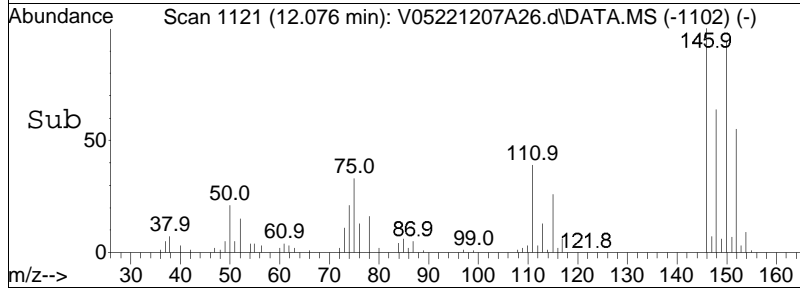
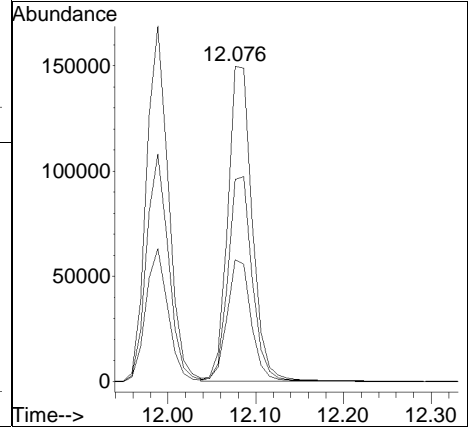
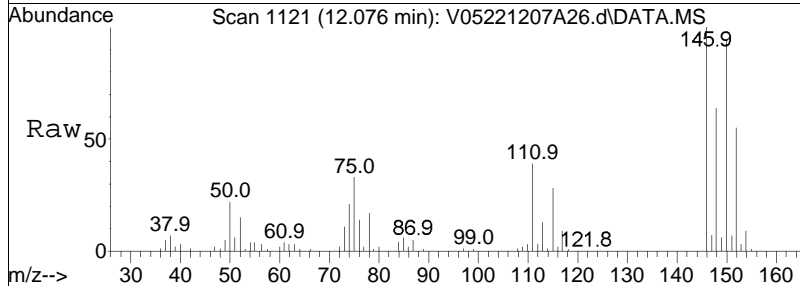
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 37.8 | 28.0 | 58.1 |
| 148 | 64.1 | 41.6 | 86.4 |

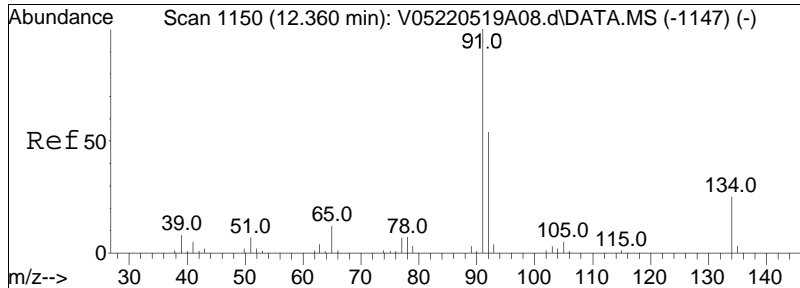




#101
 1,4-Dichlorobenzene
 Concen: 10.37 ug/L
 RT: 12.076 min Scan# 1121
 Delta R.T. -0.010 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

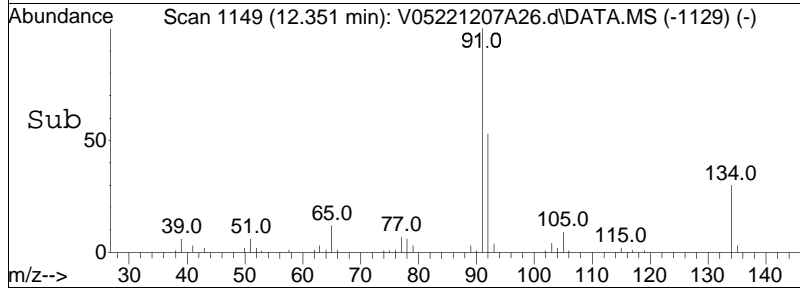
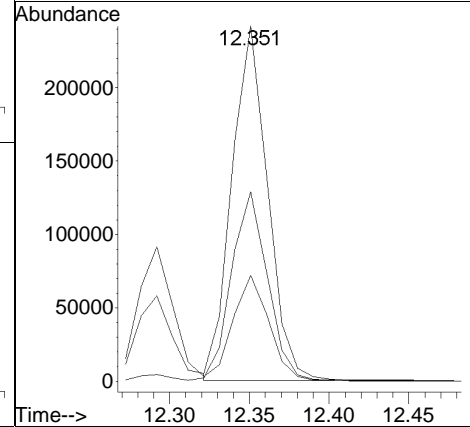
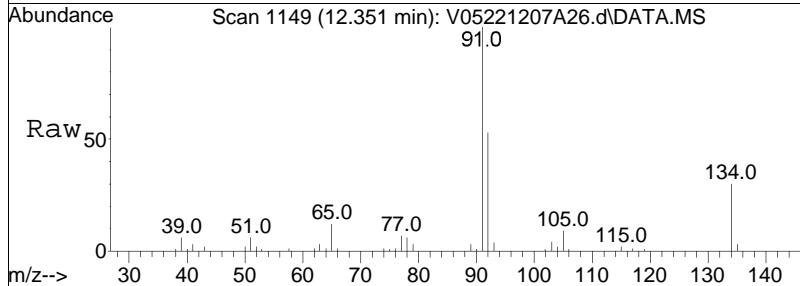
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 38.6 | 33.8 | 50.6 |
| 148 | 65.0 | 51.0 | 76.6 |

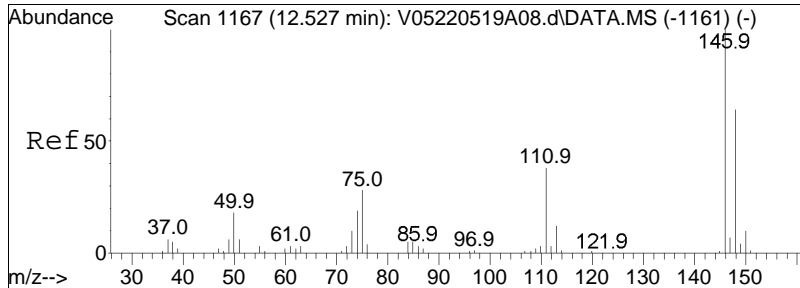




#103
 n-Butylbenzene
 Concen: 8.56 ug/L
 RT: 12.351 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

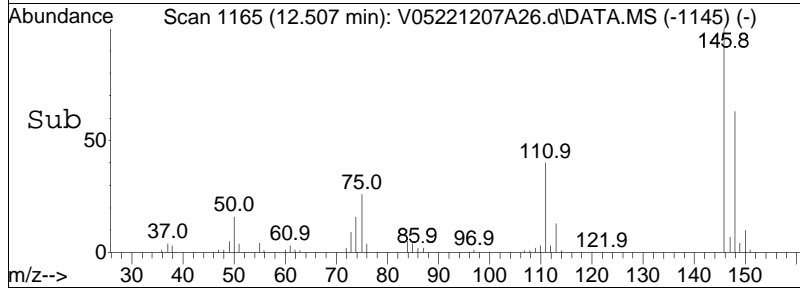
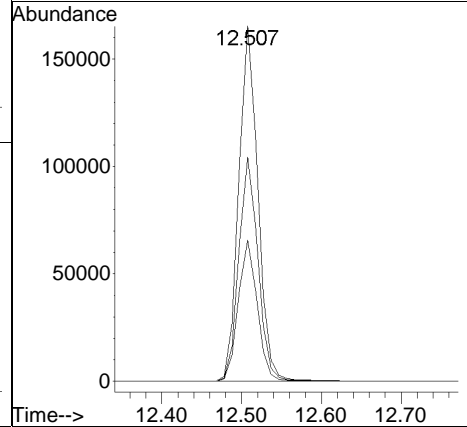
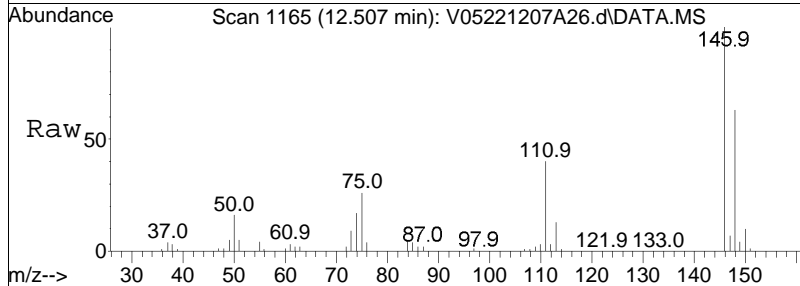
| Tgt Ion: | 91 | Resp: | 377719 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 92 | 54.7 | 44.2 | 66.2 |
| 134 | 30.2 | 20.2 | 30.2 |





#104
 1,2-Dichlorobenzene
 Concen: 11.23 ug/L
 RT: 12.507 min Scan# 1165
 Delta R.T. 0.000 min
 Lab File: V05221207A26.d
 Acq: 7 Dec 2022 4:45 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 39.5 | 29.1 | 60.5 |
| 148 | 63.3 | 41.7 | 86.7 |



Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A27.d
 Acq On : 7 Dec 2022 5:08 pm
 Operator : VOA105:LAC
 Sample : WG1720634-7,31,10,10,,c2,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 07 21:44:51 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| ----- | | | | | | |
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 5.812 | 96 | 466531 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 494534 | | | Recovery = | 94.34% | | |
| 59) Chlorobenzene-d5 | 9.324 | 117 | 366842 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 389222 | | | Recovery = | 94.25% | | |
| 79) 1,4-Dichlorobenzene-d4 | 12.067 | 152 | 213838 | 10.000 | ug/L | 0.00 |
| Standard Area 1 = 220188 | | | Recovery = | 97.12% | | |
| System Monitoring Compounds | | | | | | |
| 36) Dibromofluoromethane | 5.029 | 113 | 129216 | 9.931 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.31% | | |
| 43) 1,2-Dichloroethane-d4 | 5.538 | 65 | 143908 | 9.972 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 99.72% | | |
| 60) Toluene-d8 | 7.484 | 98 | 471698 | 10.544 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 105.44% | | |
| 83) 4-Bromofluorobenzene | 10.842 | 95 | 181043 | 10.164 | ug/L | 0.00 |
| Spiked Amount 10.000 | Range 70 - 130 | | Recovery = | 101.64% | | |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 4) Vinyl chloride | 1.811 | 62 | 363972 | 24.361 | ug/L | 99 |
| 10) 1,1-Dichloroethene | 2.819 | 96 | 127232 | 12.217 | ug/L | 97 |
| 15) Methylene chloride | 3.366 | 84 | 129498 | 11.554 | ug/L | 78 |
| 17) Acetone | 3.415 | 43 | 19231 | 12.110 | ug/L # | 89 |
| 18) trans-1,2-Dichloroethene | 3.503 | 96 | 131763 | 11.249 | ug/L | 96 |
| 20) Methyl tert-butyl ether | 3.601 | 73 | 228805 | 10.771 | ug/L # | 91 |
| 23) 1,1-Dichloroethane | 4.080 | 63 | 245458 | 10.619 | ug/L | 97 |
| 28) cis-1,2-Dichloroethene | 4.589 | 96 | 222732 | 16.987 | ug/L | 98 |
| 32) Chloroform | 4.853 | 83 | 226247 | 10.997 | ug/L | 97 |
| 34) Carbon tetrachloride | 4.970 | 117 | 189312 | 10.282 | ug/L | 98 |
| 37) 1,1,1-Trichloroethane | 5.039 | 97 | 214780 | 11.099 | ug/L | 98 |
| 39) 2-Butanone | 5.147 | 43 | 30086 | 12.090 | ug/L # | 77 |
| 41) Benzene | 5.401 | 78 | 494122 | 11.177 | ug/L | 94 |
| 44) 1,2-Dichloroethane | 5.606 | 62 | 159067 | 10.227 | ug/L | 98 |
| 48) Trichloroethene | 5.988 | 95 | 137133 | 10.068 | ug/L | 92 |
| 57) 1,4-Dioxane | 6.819 | 88 | 36278 | 694.789 | ug/L # | 83 |
| 61) Toluene | 7.543 | 92 | 319681 | 11.392 | ug/L | 99 |
| 63) Tetrachloroethene | 7.983 | 166 | 159984 | 11.730 | ug/L | 91 |
| 73) Chlorobenzene | 9.344 | 112 | 361173 | 11.281 | ug/L | 90 |
| 74) Ethylbenzene | 9.373 | 91 | 618535 | 11.066 | ug/L | 93 |

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A27.d
 Acq On : 7 Dec 2022 5:08 pm
 Operator : VOA105:LAC
 Sample : WG1720634-7,31,10,10,,c2,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 07 21:44:51 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA105\2022\221207A\V05221207A01.d
 Sub List : 8260-NYTCL - Megamix plus Diox

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|--------|----------|
| 76) p/m Xylene | 9.559 | 106 | 486731 | 21.819 | ug/L | 85 |
| 77) o Xylene | 10.108 | 106 | 450949 | 21.707 | ug/L | 84 |
| 85) n-Propylbenzene | 10.989 | 91 | 726144 | 10.568 | ug/L | 93 |
| 90) 1,3,5-Trimethylbenzene | 11.215 | 105 | 528673 | 10.604 | ug/L | 91 |
| 94) tert-Butylbenzene | 11.567 | 119 | 492195 | 11.145 | ug/L | 97 |
| 97) 1,2,4-Trimethylbenzene | 11.646 | 105 | 499730 | 10.308 | ug/L | 92 |
| 98) sec-Butylbenzene | 11.753 | 105 | 676694 | 10.849 | ug/L | 95 |
| 100) 1,3-Dichlorobenzene | 11.988 | 146 | 283668 | 10.234 | ug/L | 97 |
| 101) 1,4-Dichlorobenzene | 12.086 | 146 | 279587 | 9.980 | ug/L | 97 |
| 103) n-Butylbenzene | 12.351 | 91 | 422390 | 9.545 | ug/L # | 97 |
| 104) 1,2-Dichlorobenzene | 12.508 | 146 | 257837 | 10.399 | ug/L | 96 |

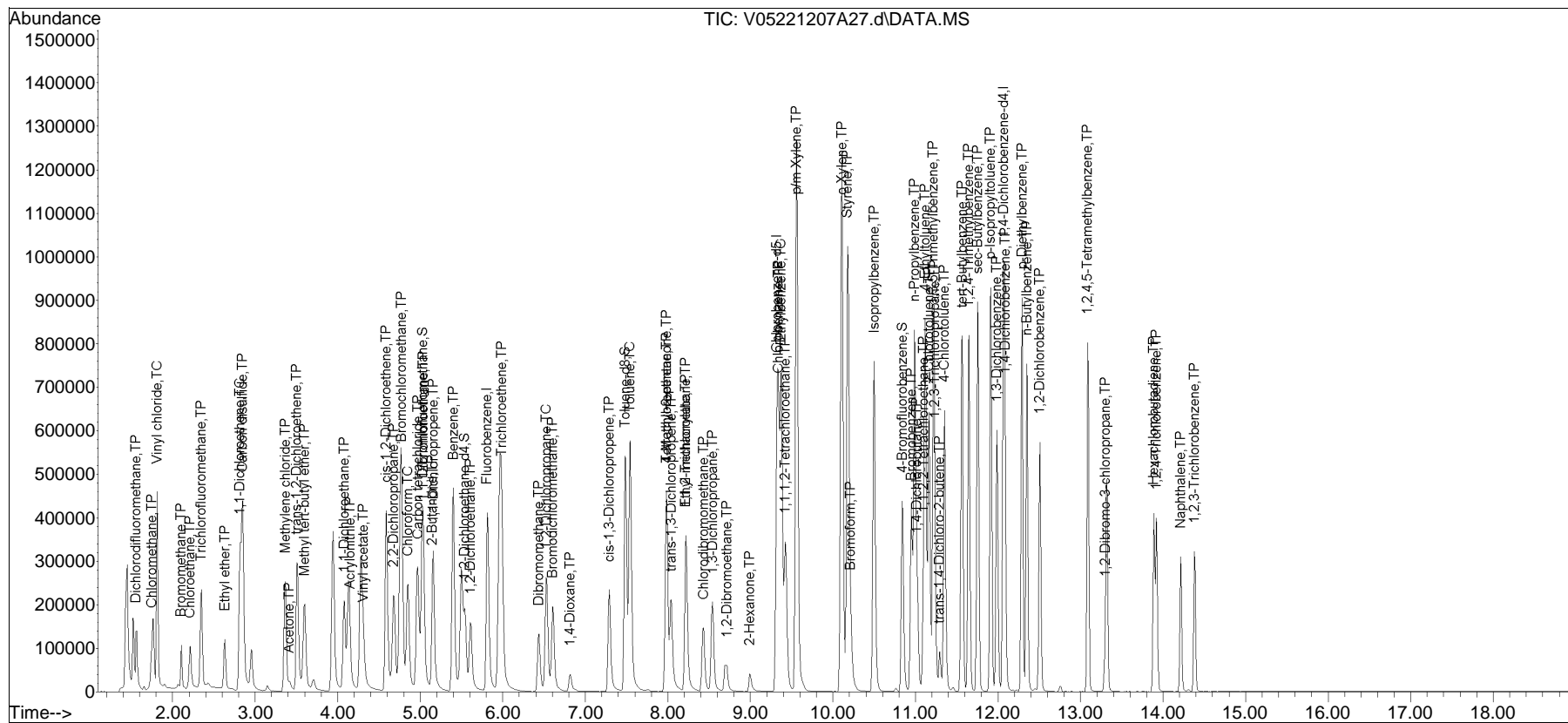
(#) = qualifier out of range (m) = manual integration (+) = signals summed

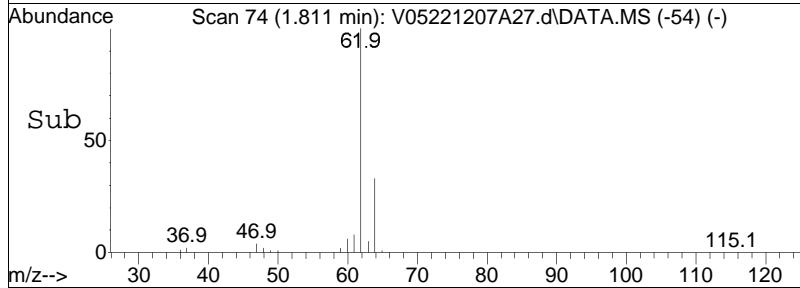
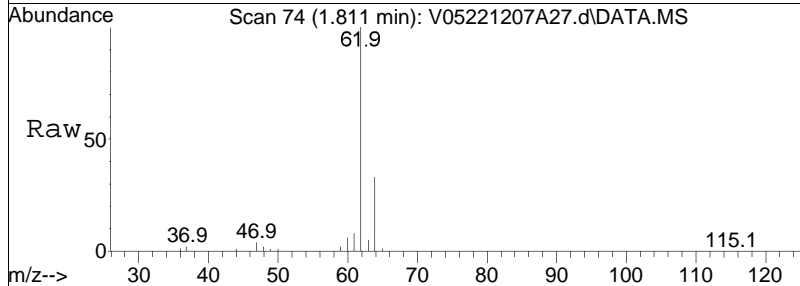
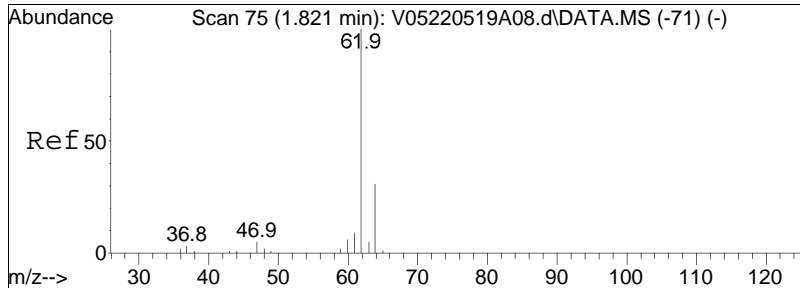
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA105\2022\221207A\
 Data File : V05221207A27.d
 Acq On : 7 Dec 2022 5:08 pm
 Operator : VOA105:LAC
 Sample : WG1720634-7,31,10,10,,c2,pri
 Misc : WG1720634,ICAL19461
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 07 21:44:51 2022
 Quant Method : I:\VOLATILES\VOA105\2022\221207A\V105_221107N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Nov 08 06:56:37 2022
 Response via : Initial Calibration

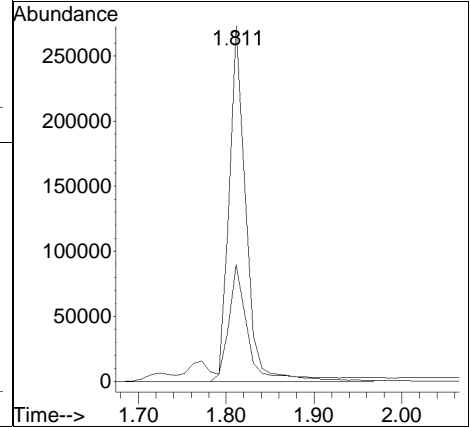
Sub List : 8260-NYTCL - Megamix plus Diox21207A\V05221207A01.d

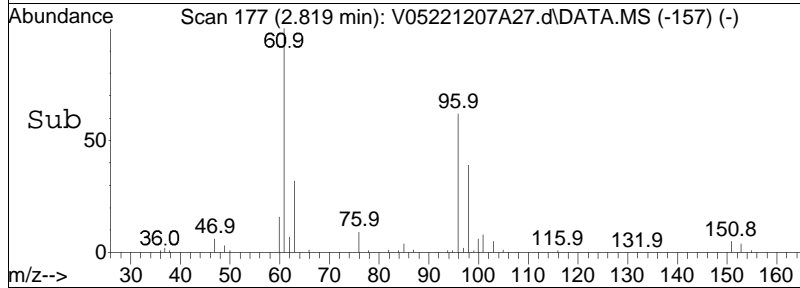
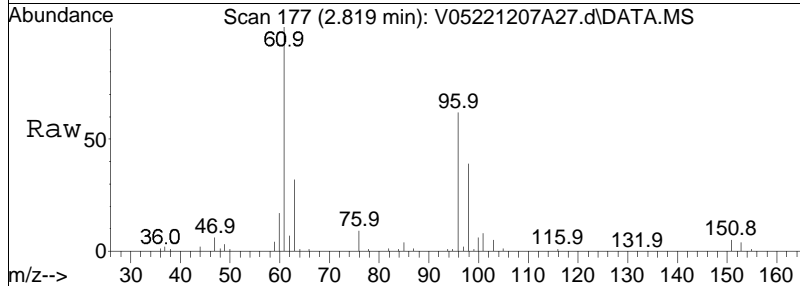
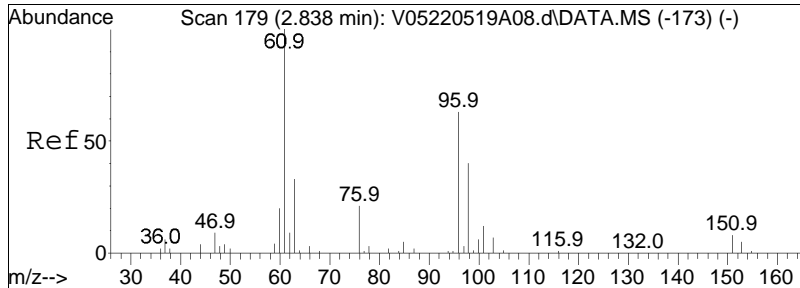




#4
 Vinyl chloride
 Concen: 24.36 ug/L
 RT: 1.811 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

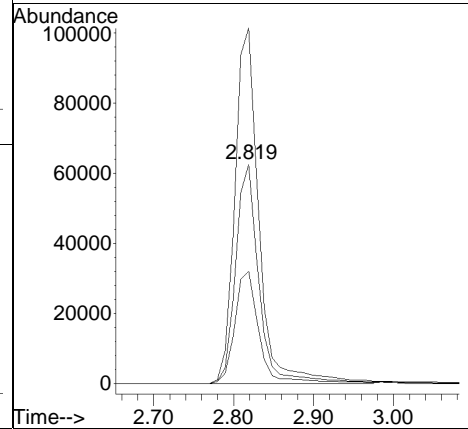
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 62 | 363972 | | |
| 64 | 32.8 | 13.5 | 53.5 |

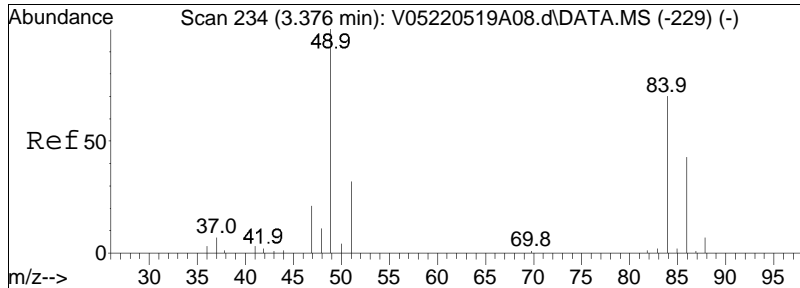




#10
 1,1-Dichloroethene
 Concen: 12.22 ug/L
 RT: 2.819 min Scan# 177
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

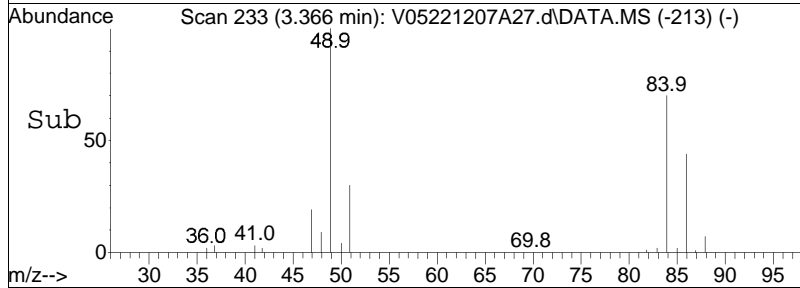
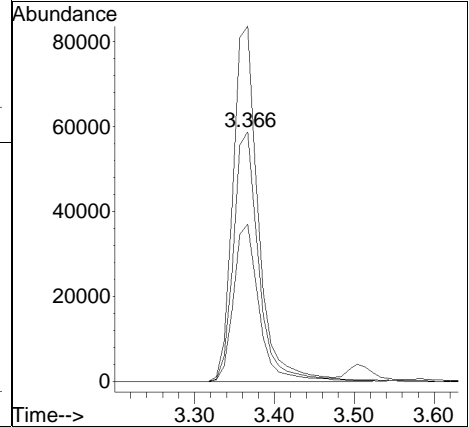
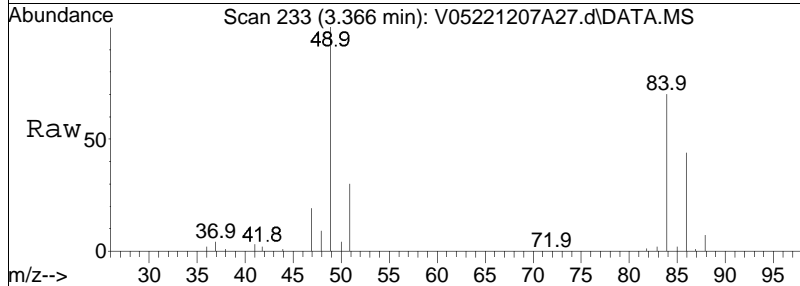
| Tgt Ion: | 96 | Resp: | 127232 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 167.8 | 136.7 | 205.1 |
| 63 | 53.3 | 45.0 | 67.6 |

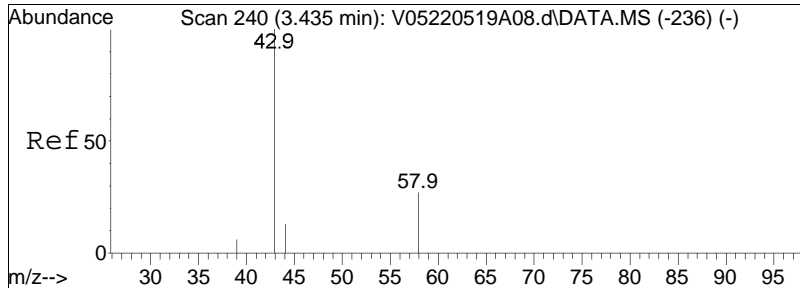




#15
 Methylene chloride
 Concen: 11.55 ug/L
 RT: 3.366 min Scan# 233
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

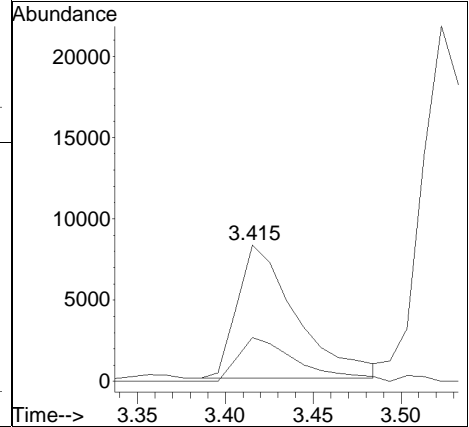
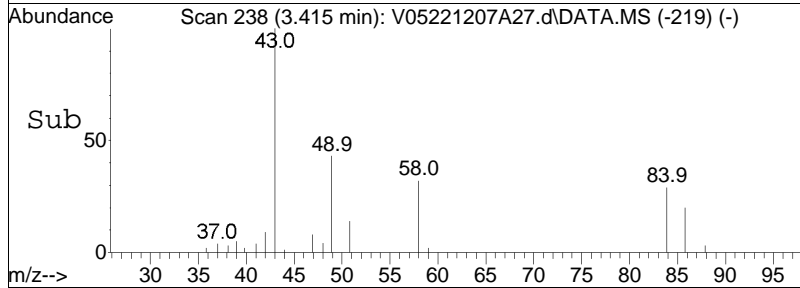
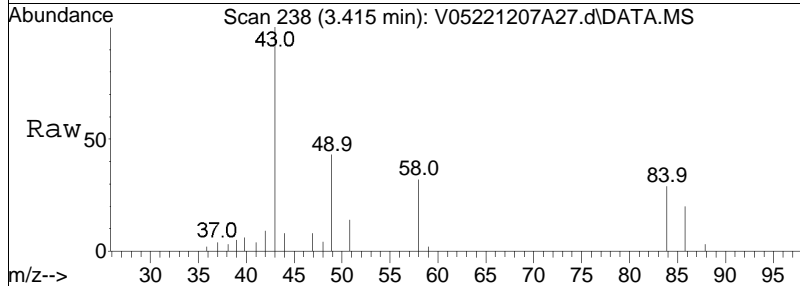
| Tgt Ion: | 84 | Resp: | 129498 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 84 | 100 | | |
| 86 | 63.6 | 42.1 | 87.5 |
| 49 | 142.2 | 69.3 | 143.9 |

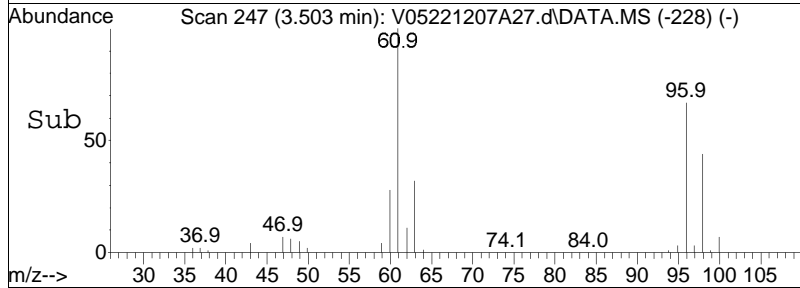
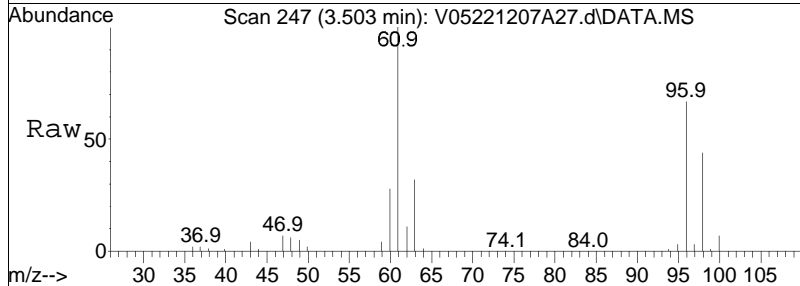
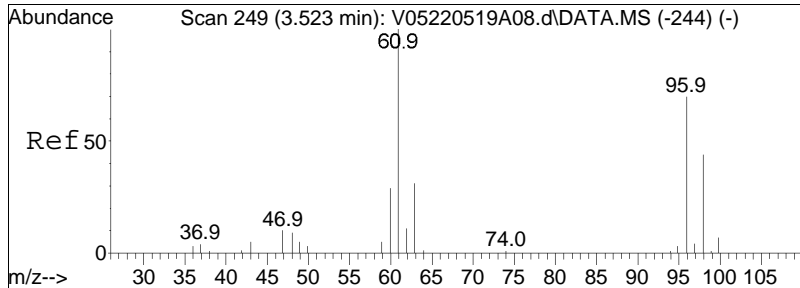




#17
 Acetone
 Concen: 12.11 ug/L
 RT: 3.415 min Scan# 238
 Delta R.T. -0.010 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

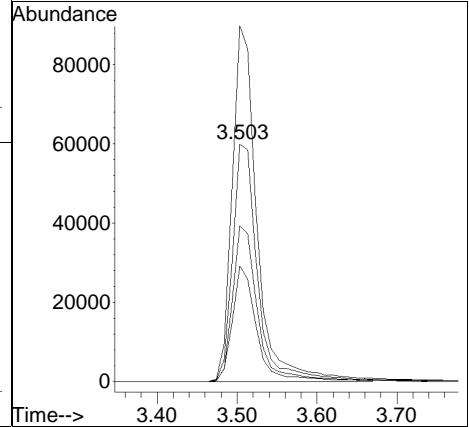
Tgt Ion: 43 Resp: 19231
 Ion Ratio Lower Upper
 43 100
 58 33.3 22.0 33.0#

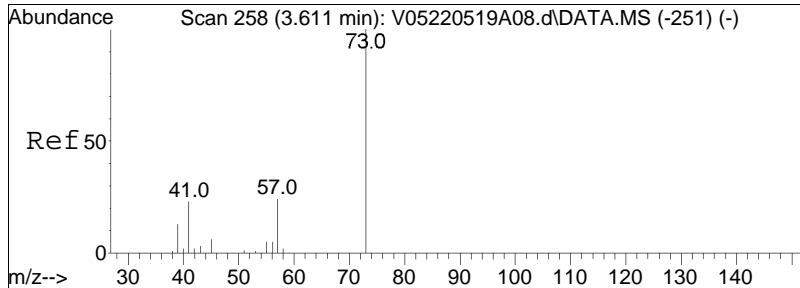




#18
 trans-1,2-Dichloroethene
 Concen: 11.25 ug/L
 RT: 3.503 min Scan# 247
 Delta R.T. -0.010 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

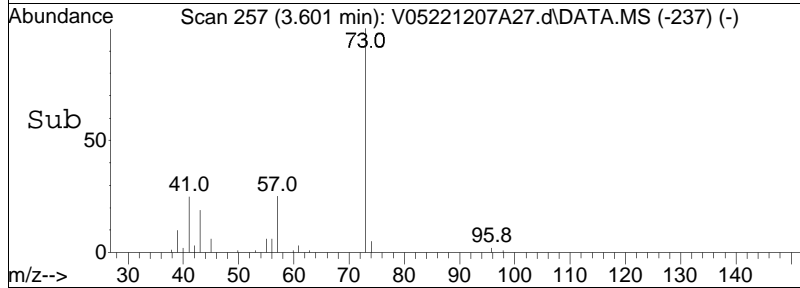
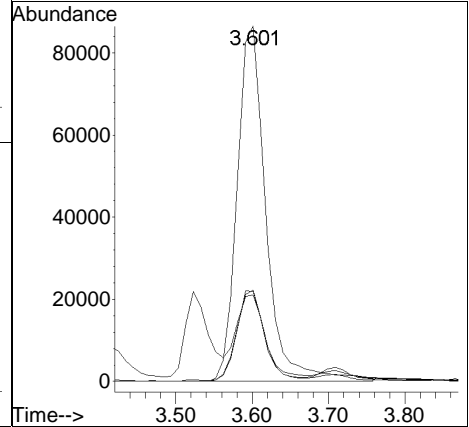
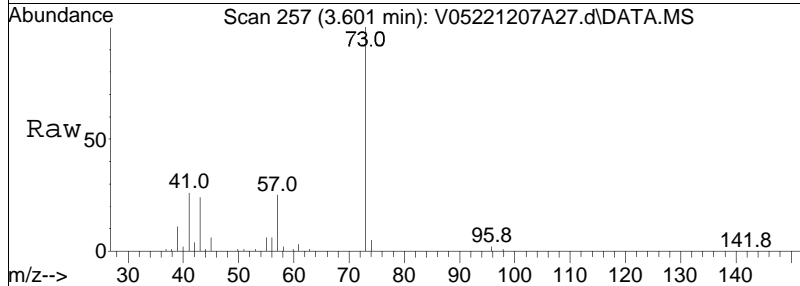
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 96 | 100 | | |
| 61 | 148.1 | 91.7 | 190.5 |
| 98 | 65.2 | 41.1 | 85.5 |
| 63 | 46.9 | 29.4 | 61.0 |

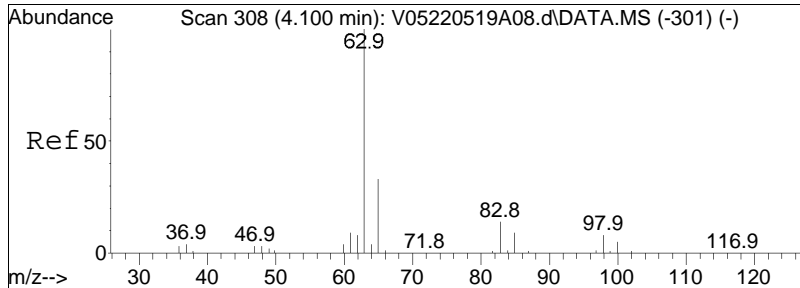




#20
 Methyl tert-butyl ether
 Concen: 10.77 ug/L
 RT: 3.601 min Scan# 257
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

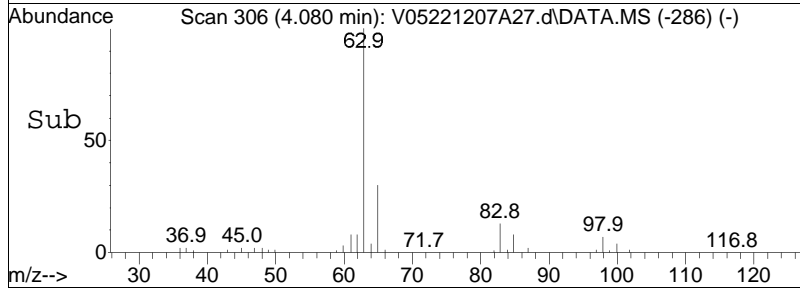
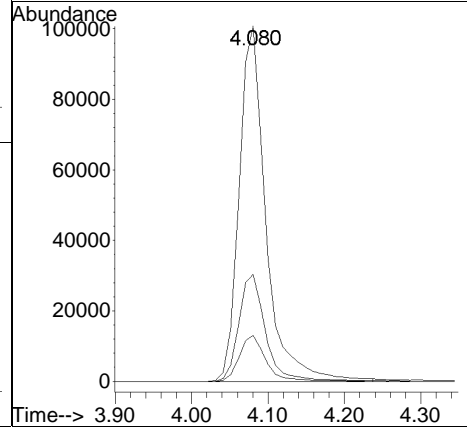
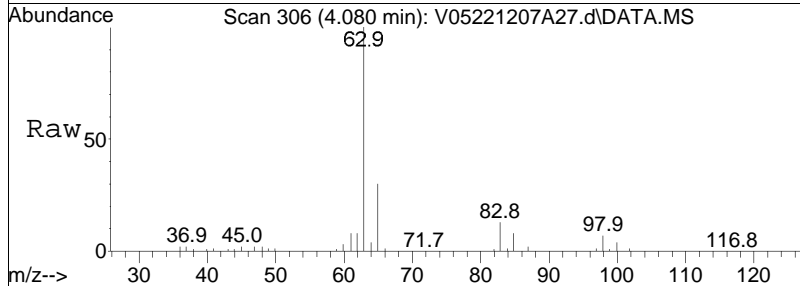
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 73 | 100 | | |
| 57 | 24.7 | 11.8 | 24.6# |
| 43 | 23.0 | 13.5 | 27.9 |
| 41 | 24.6 | 13.3 | 27.5 |

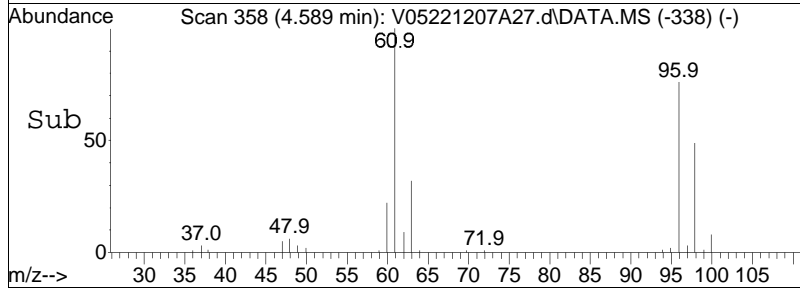
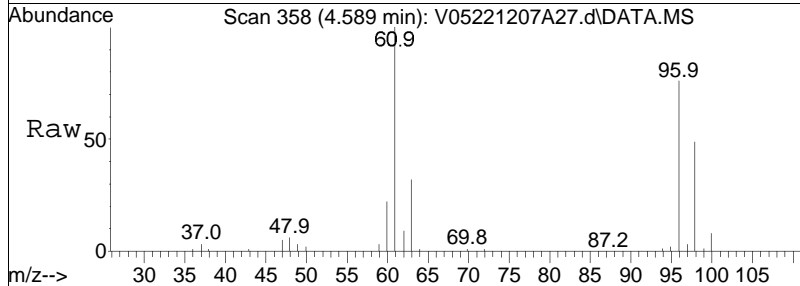
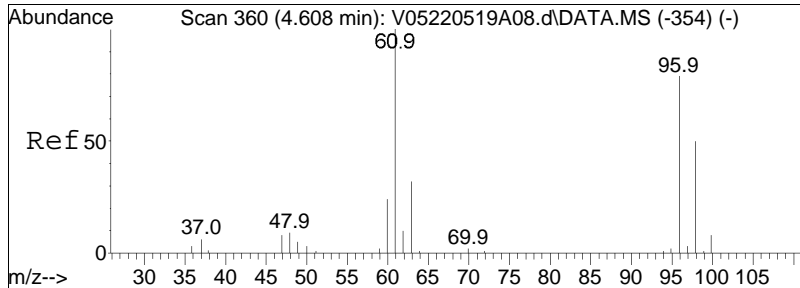




#23
 1,1-Dichloroethane
 Concen: 10.62 ug/L
 RT: 4.080 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

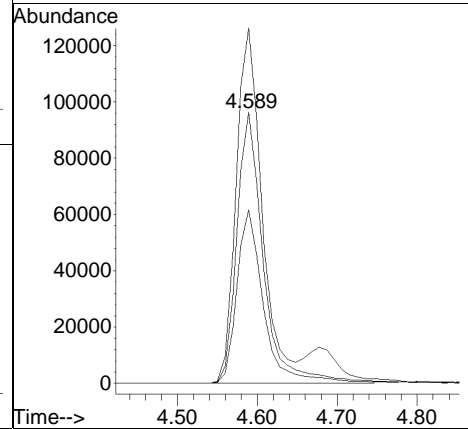
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 63 | 100 | | |
| 65 | 30.1 | 11.9 | 51.9 |
| 83 | 12.9 | 0.0 | 34.2 |

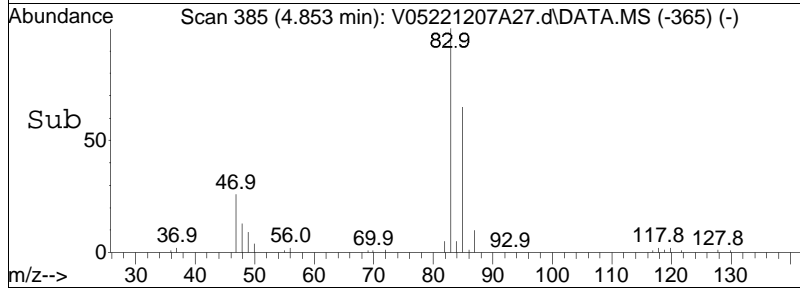
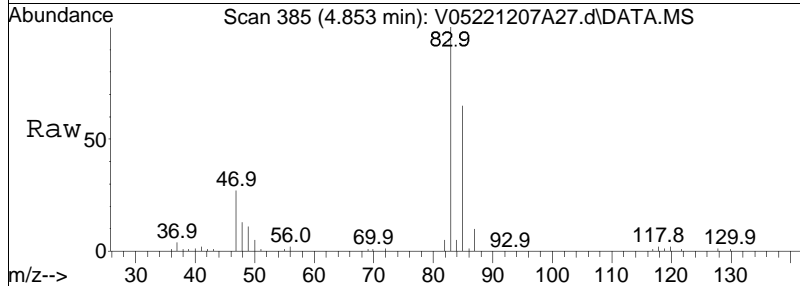
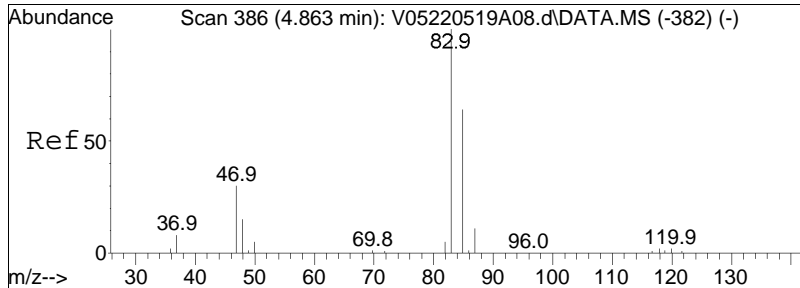




#28
 cis-1,2-Dichloroethene
 Concen: 16.99 ug/L
 RT: 4.589 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

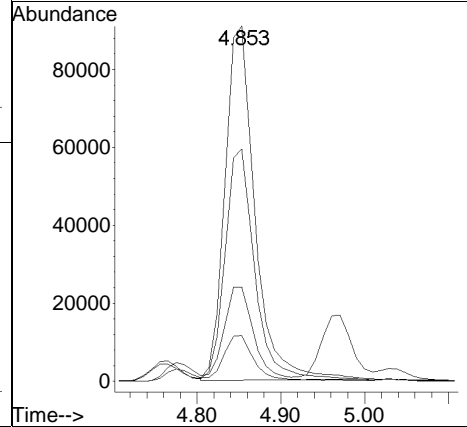
| Tgt Ion: | Resp: | | |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 96 | 100 | | |
| 61 | 127.1 | 100.5 | 150.7 |
| 98 | 64.7 | 49.8 | 74.8 |

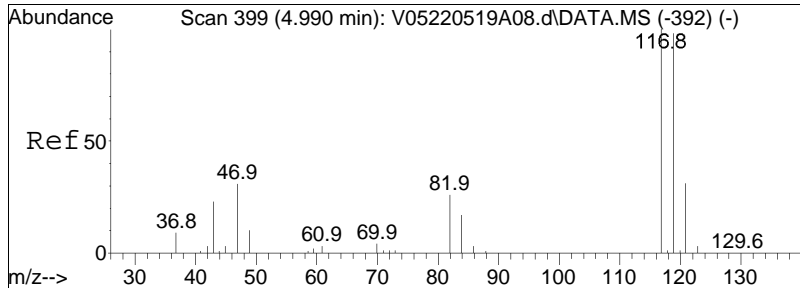




#32
 Chloroform
 Concen: 11.00 ug/L
 RT: 4.853 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

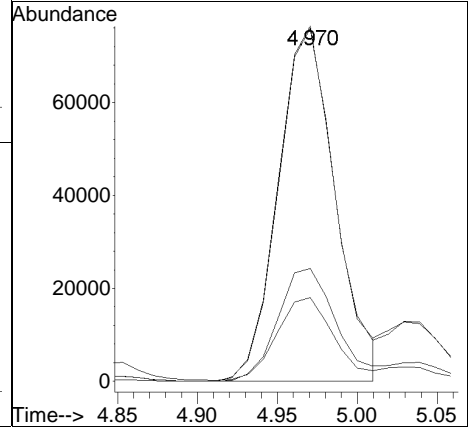
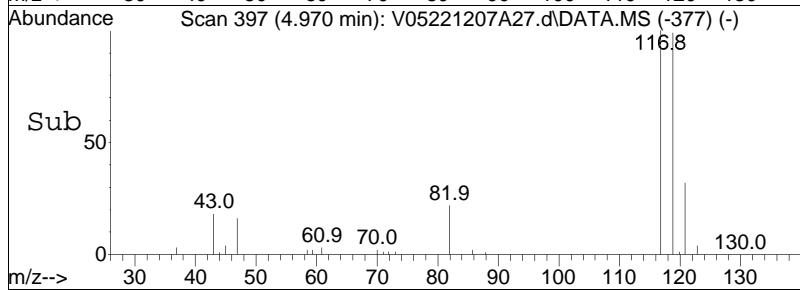
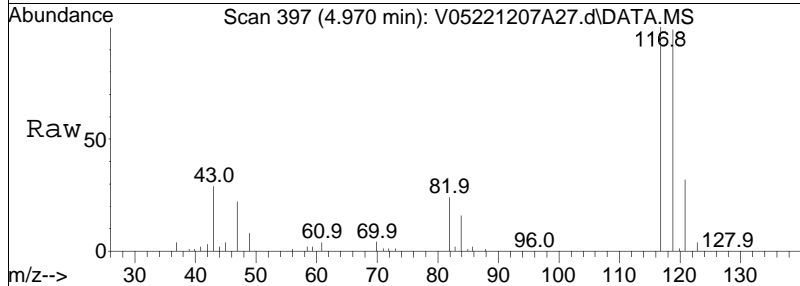
| Tgt Ion: | 83 | Resp: | 226247 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 83 | 100 | | |
| 85 | 64.9 | 42.8 | 89.0 |
| 47 | 24.5 | 13.7 | 28.4 |
| 48 | 12.7 | 6.9 | 14.3 |

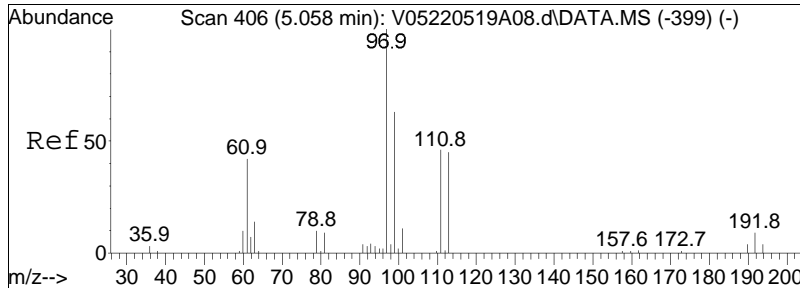




#34
 Carbon tetrachloride
 Concen: 10.28 ug/L
 RT: 4.970 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

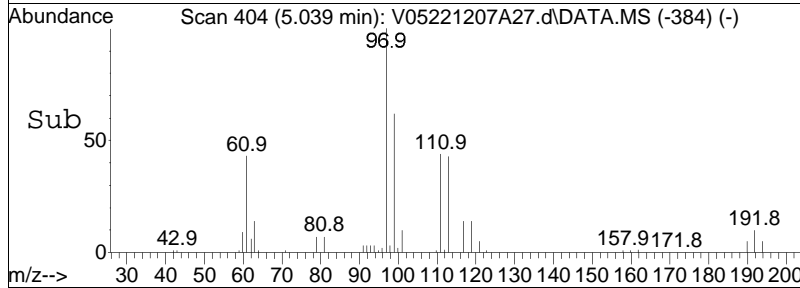
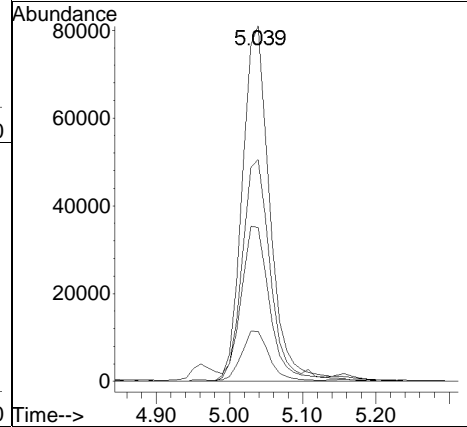
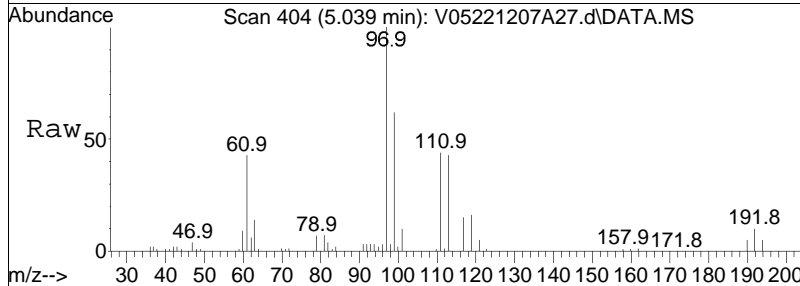
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 117 | 189312 | | |
| 119 | 99.3 | 63.6 | 132.2 |
| 121 | 32.5 | 19.8 | 41.0 |
| 82 | 23.4 | 15.9 | 32.9 |

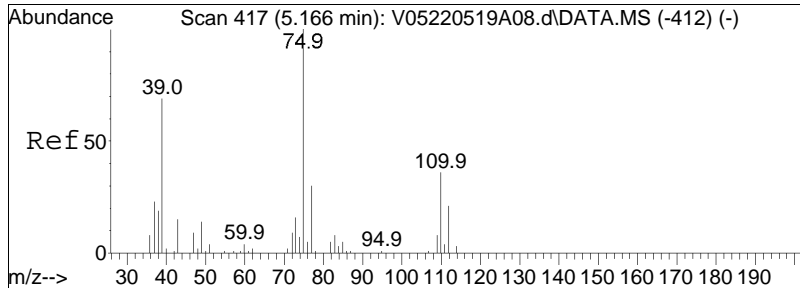




#37
 1,1,1-Trichloroethane
 Concen: 11.10 ug/L
 RT: 5.039 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

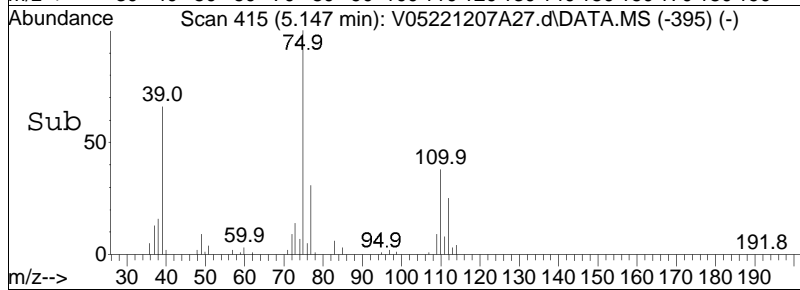
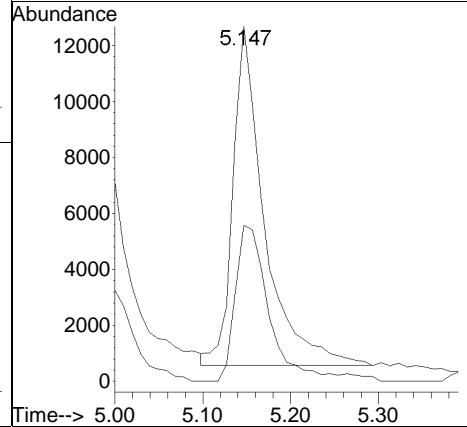
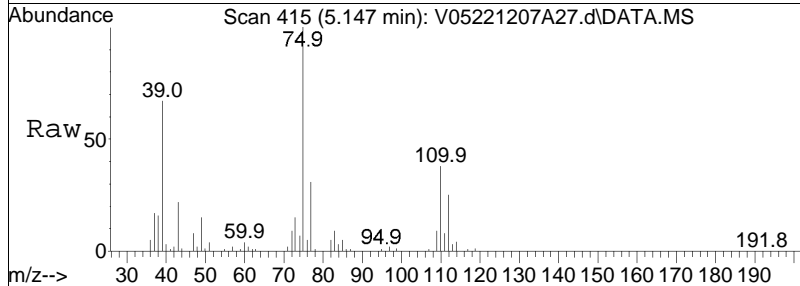
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 97 | 214780 | | |
| 99 | 100 | | |
| 99 | 64.0 | 41.7 | 86.5 |
| 61 | 43.7 | 26.1 | 54.3 |
| 63 | 14.4 | 8.5 | 17.6 |

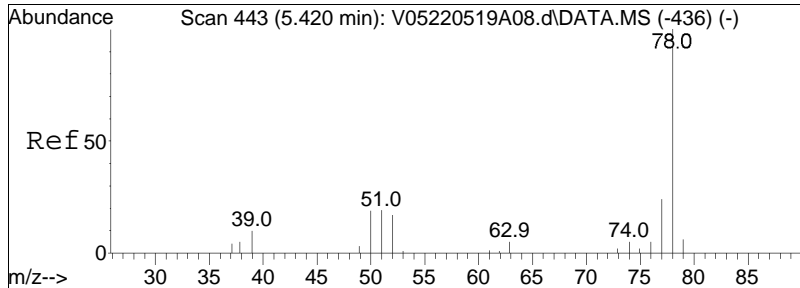




#39
 2-Butanone
 Concen: 12.09 ug/L
 RT: 5.147 min Scan# 415
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

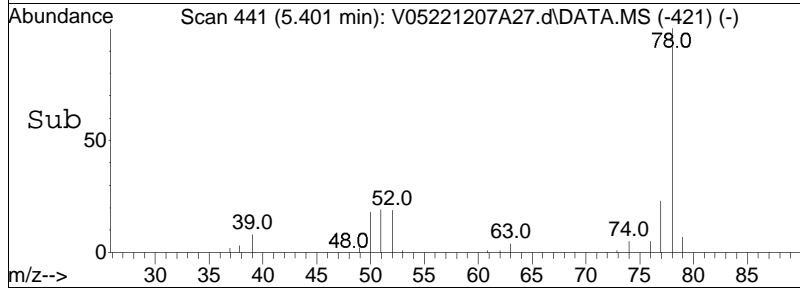
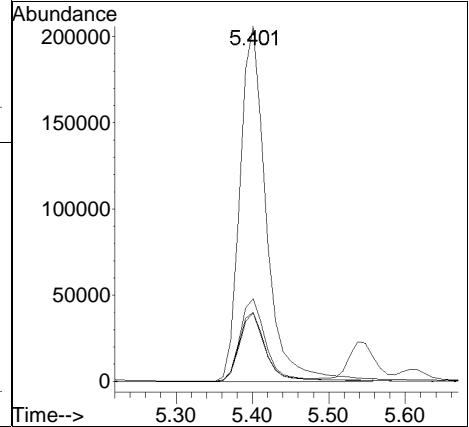
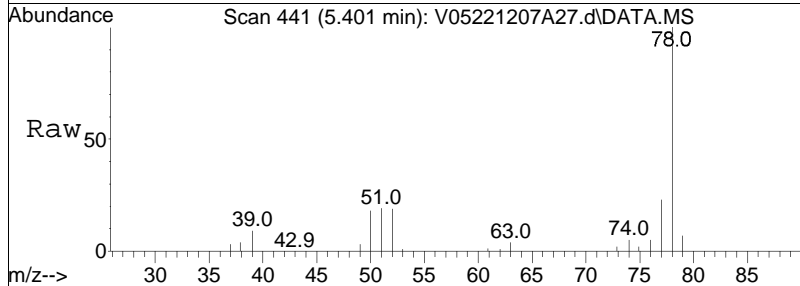
| Tgt Ion: | 43 | Resp: | 30086 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 43 | 100 | | |
| 72 | 50.8 | 55.6 | 83.4# |

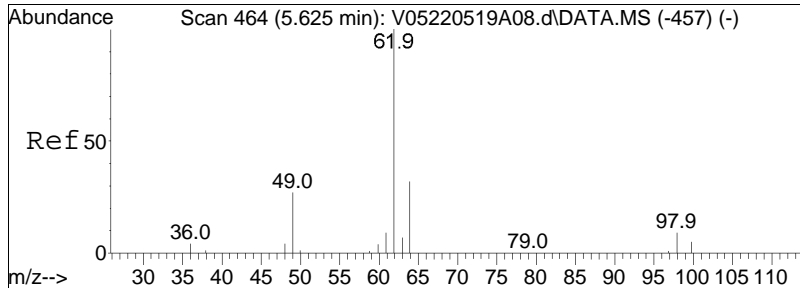




#41
 Benzene
 Concen: 11.18 ug/L
 RT: 5.401 min Scan# 441
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

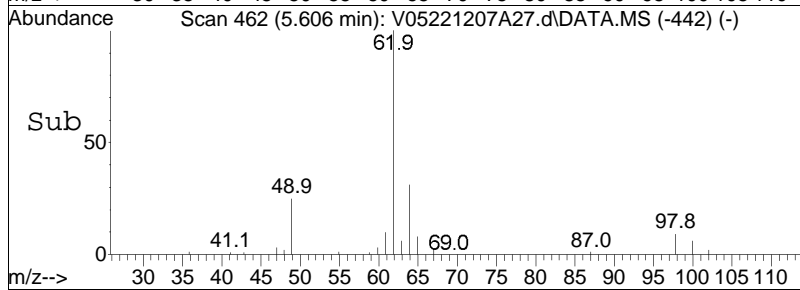
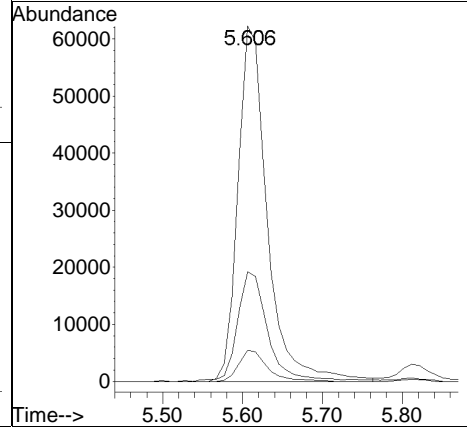
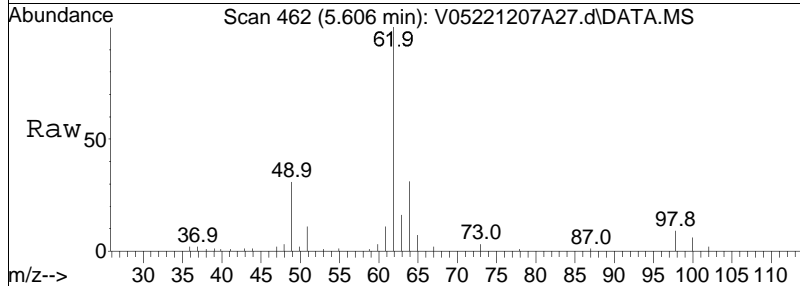
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 78 | 100 | | |
| 77 | 23.0 | 15.2 | 31.6 |
| 51 | 19.2 | 10.5 | 21.7 |
| 52 | 19.4 | 9.5 | 19.7 |

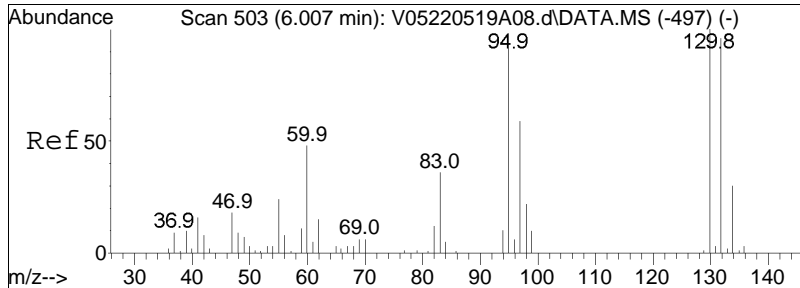




#44
 1,2-Dichloroethane
 Concen: 10.23 ug/L
 RT: 5.606 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

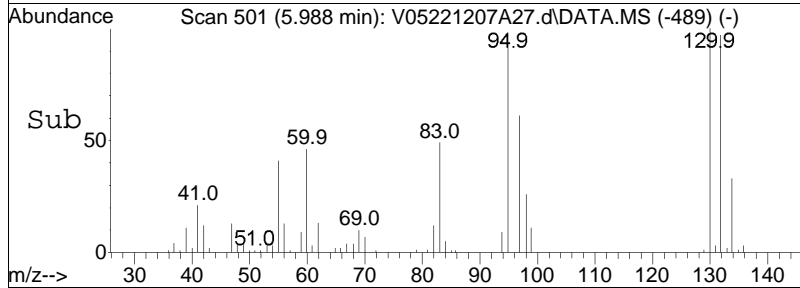
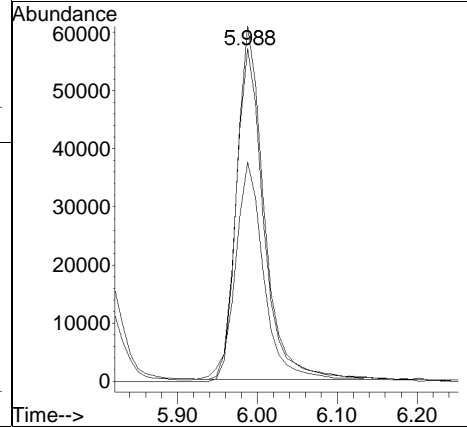
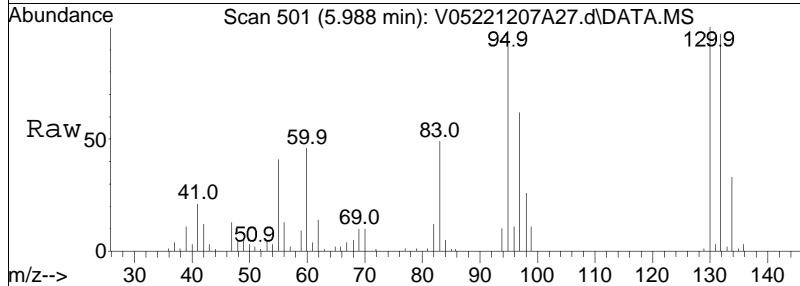
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 62 | 100 | | |
| 64 | 32.0 | 13.2 | 53.2 |
| 98 | 8.6 | 0.0 | 27.8 |

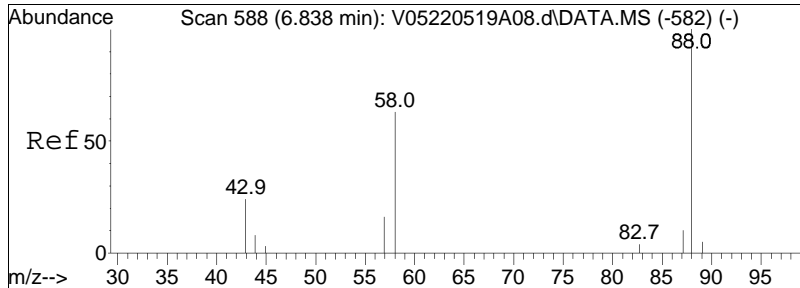




#48
 Trichloroethene
 Concen: 10.07 ug/L
 RT: 5.988 min Scan# 501
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

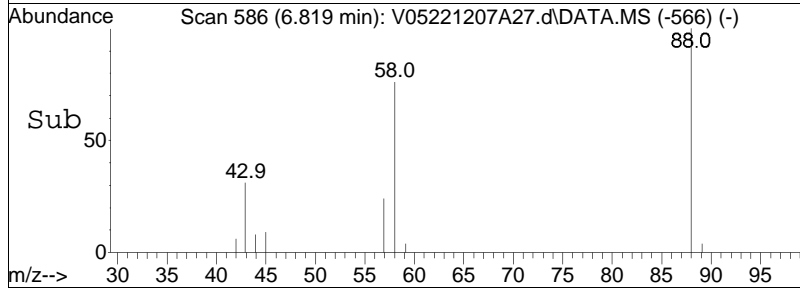
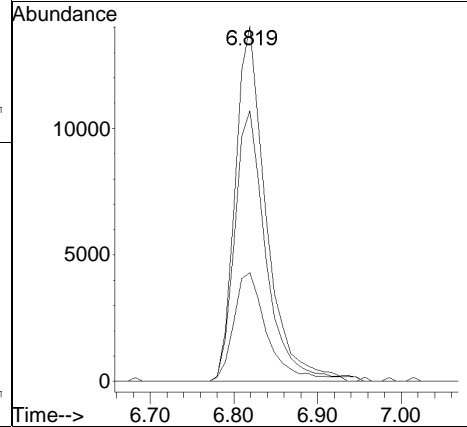
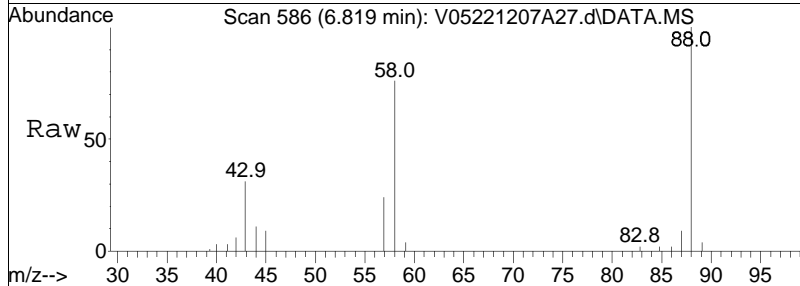
| Tgt Ion: | Resp: | | |
|----------|-------|-------|-------|
| Ion | Ratio | Lower | Upper |
| 95 | 100 | | |
| 97 | 67.9 | 56.1 | 84.1 |
| 130 | 108.5 | 77.7 | 116.5 |

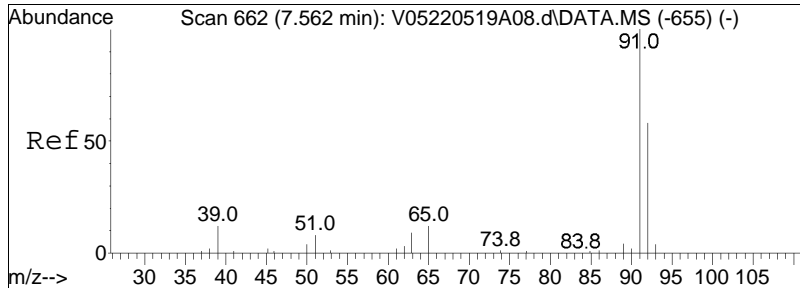




#57
 1,4-Dioxane
 Concen: 694.79 ug/L
 RT: 6.819 min Scan# 586
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

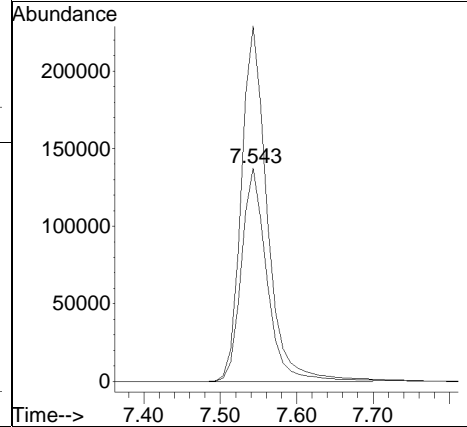
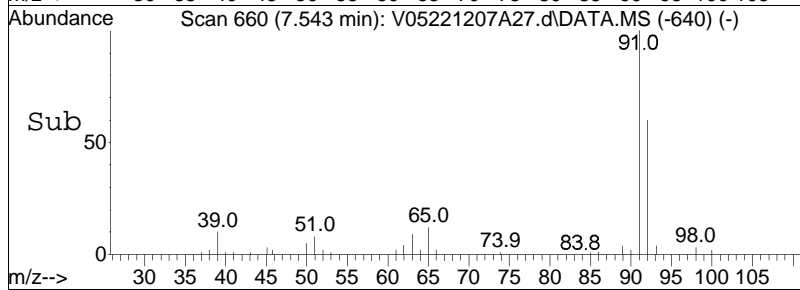
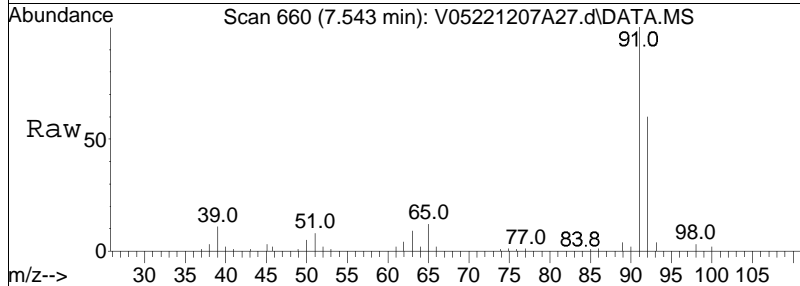
| Tgt Ion: | 88 | Resp: | 36278 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper | |
| 88 | 100 | | |
| 58 | 76.6 | 50.6 | 75.8# |
| 43 | 33.8 | 20.5 | 30.7# |

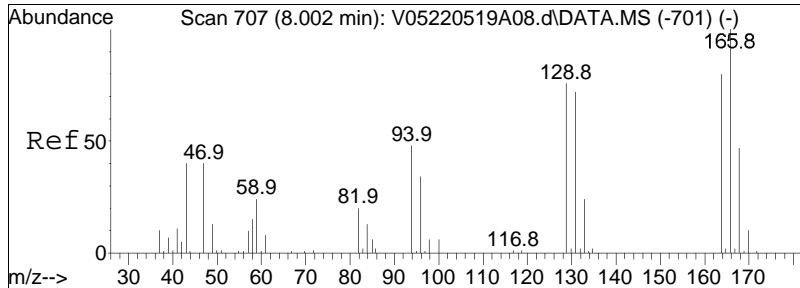




#61
 Toluene
 Concen: 11.39 ug/L
 RT: 7.543 min Scan# 660
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

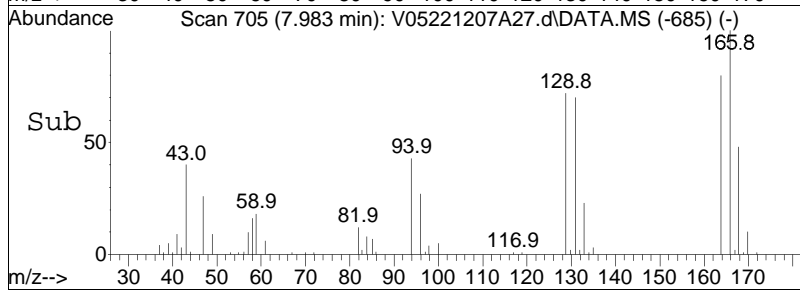
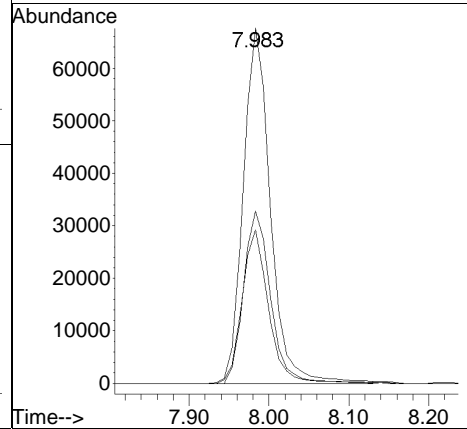
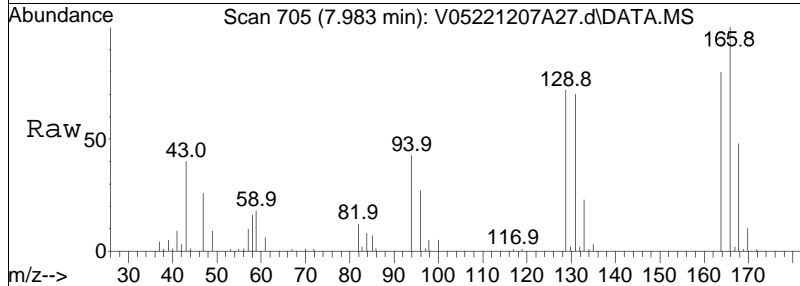
| Tgt Ion | Resp | Lower | Upper |
|---------|--------|-------|-------|
| 92 | 319681 | | |
| 91 | 168.2 | 135.2 | 202.8 |

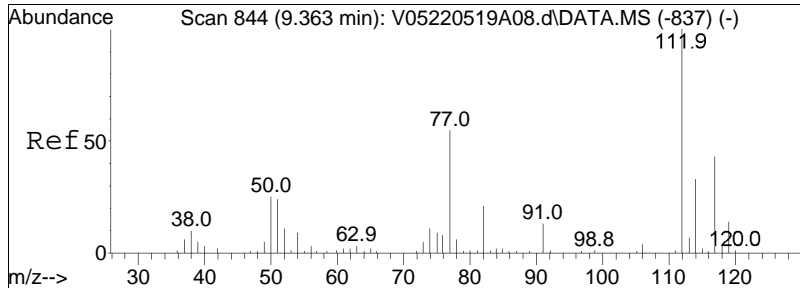




#63
 Tetrachloroethene
 Concen: 11.73 ug/L
 RT: 7.983 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

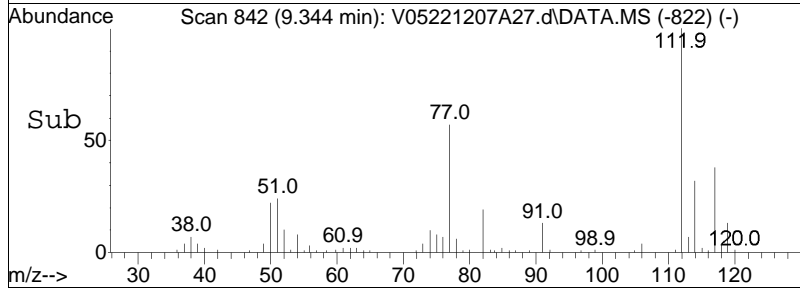
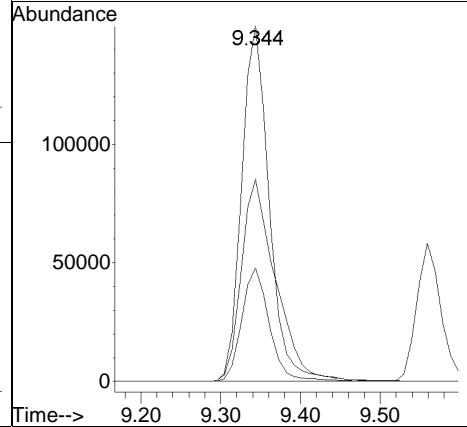
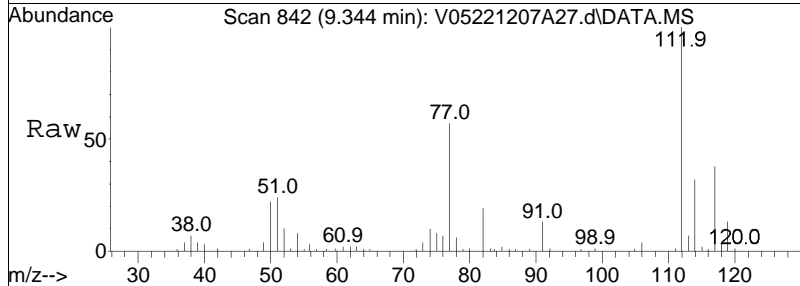
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 166 | 100 | | |
| 168 | 48.5 | 30.2 | 70.2 |
| 94 | 42.0 | 32.5 | 72.5 |

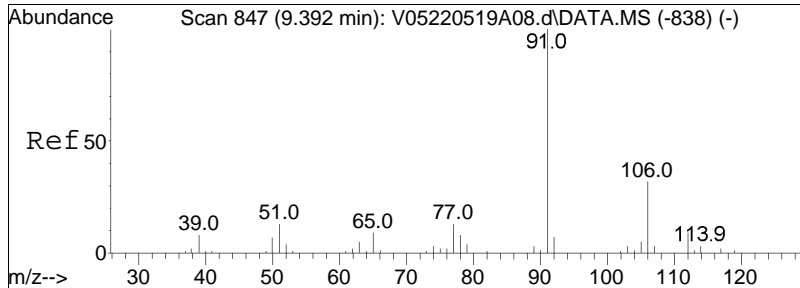




#73
 Chlorobenzene
 Concen: 11.28 ug/L
 RT: 9.344 min Scan# 842
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

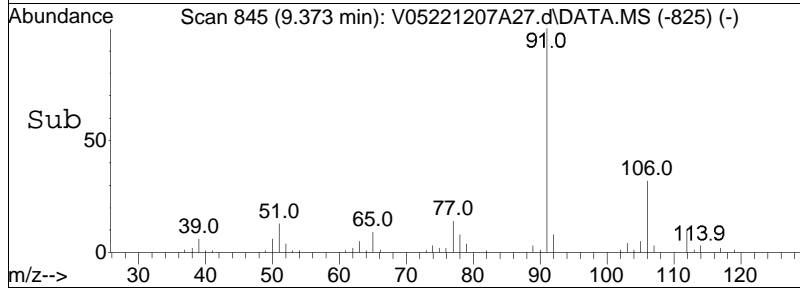
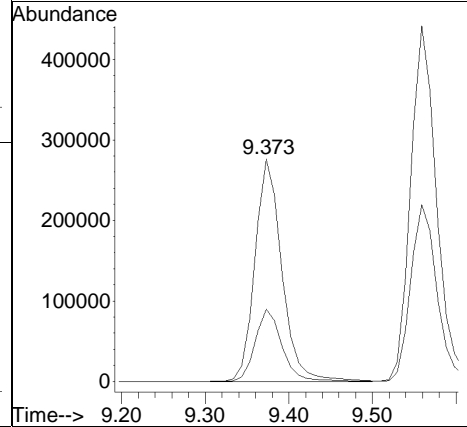
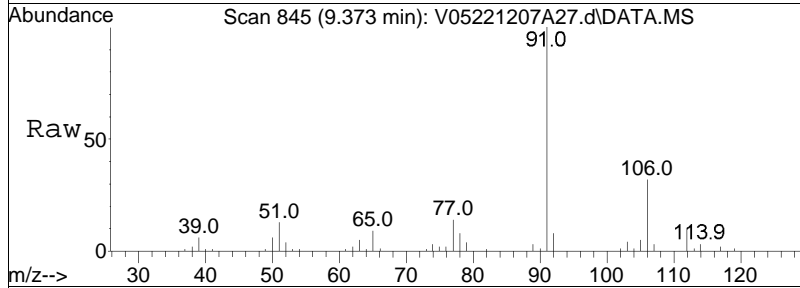
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 77 | 70.3 | 66.1 | 99.1 |
| 114 | 32.0 | 25.4 | 38.0 |

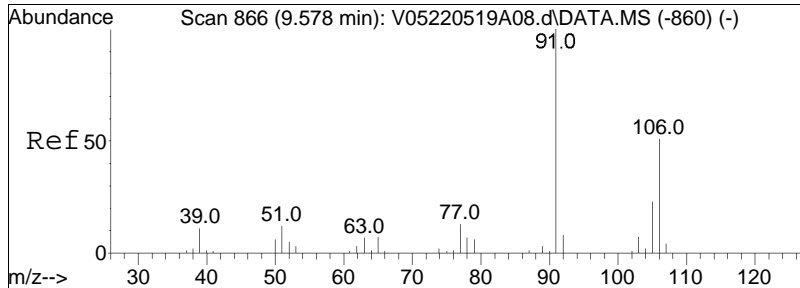




#74
 Ethylbenzene
 Concen: 11.07 ug/L
 RT: 9.373 min Scan# 845
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

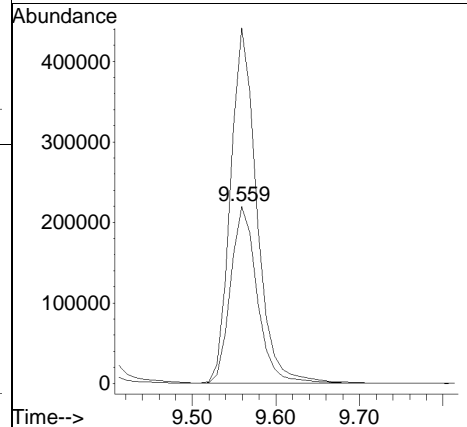
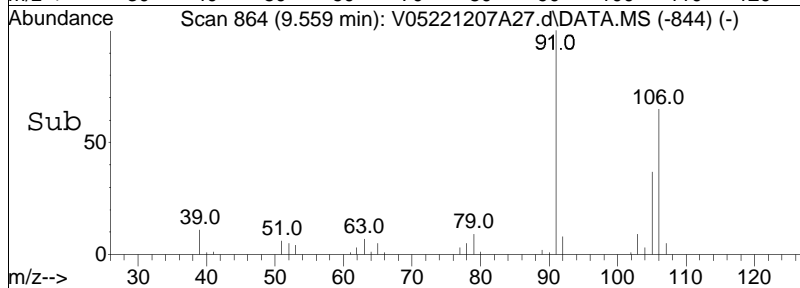
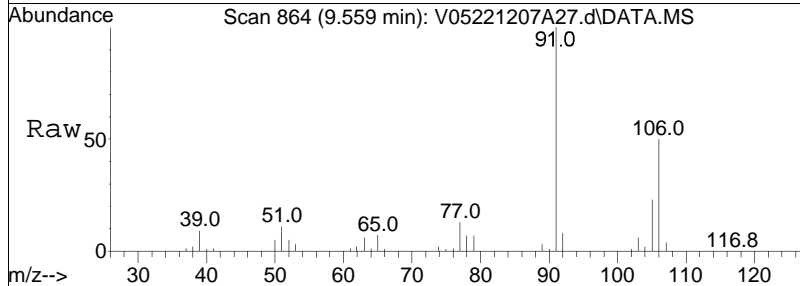
Tgt Ion: 91 Resp: 618535
 Ion Ratio Lower Upper
 91 100
 106 32.2 22.9 34.3

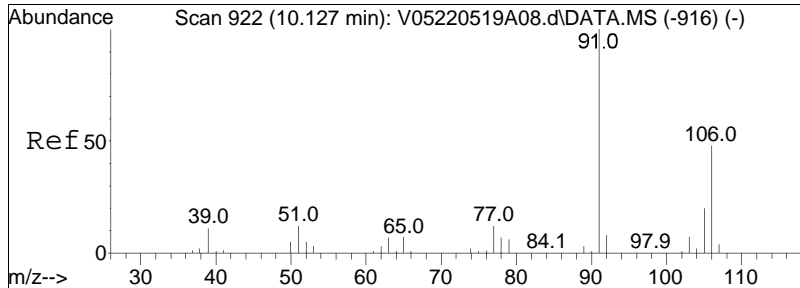




#76
 p/m Xylene
 Concen: 21.82 ug/L
 RT: 9.559 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

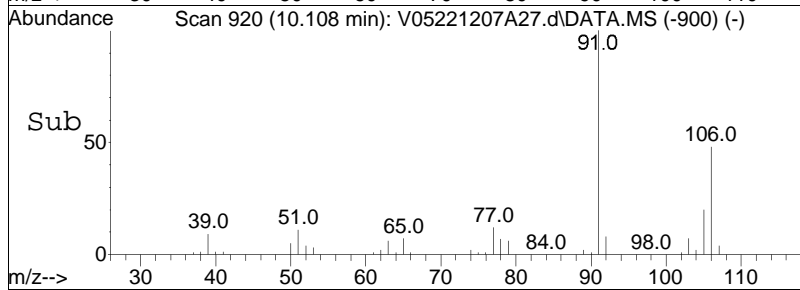
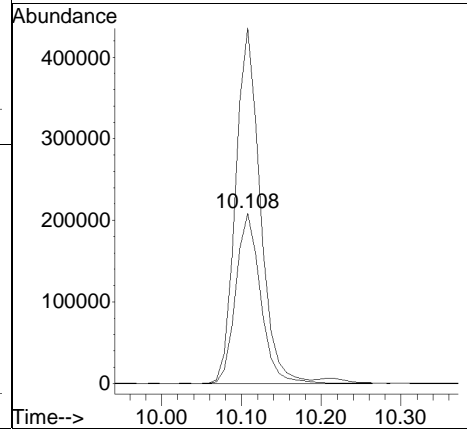
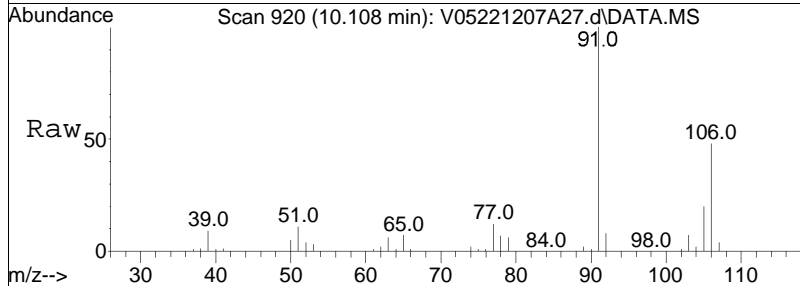
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 106 | 100 | | |
| 91 | 196.8 | 177.2 | 265.8 |

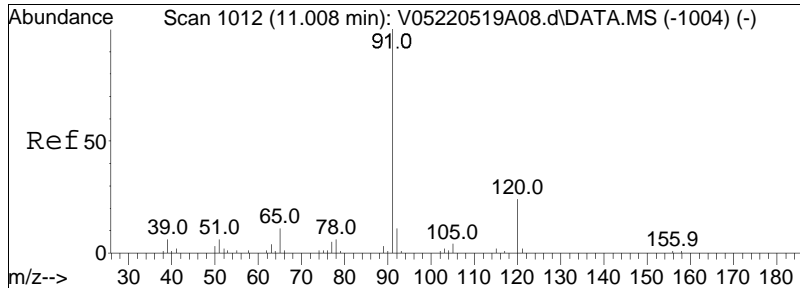




#77
 o Xylene
 Concen: 21.71 ug/L
 RT: 10.108 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

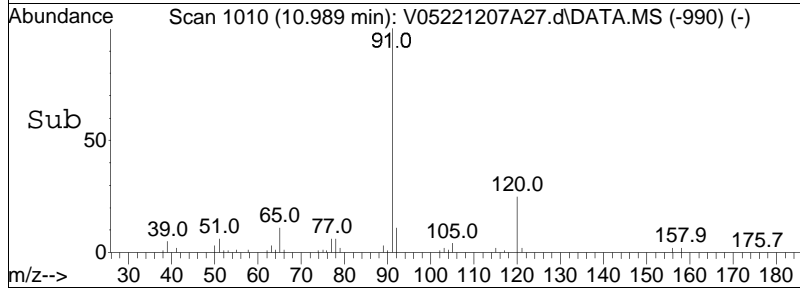
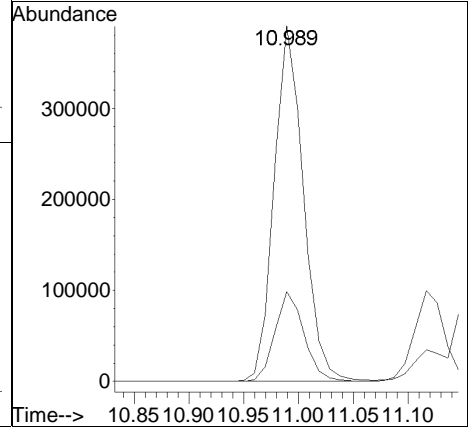
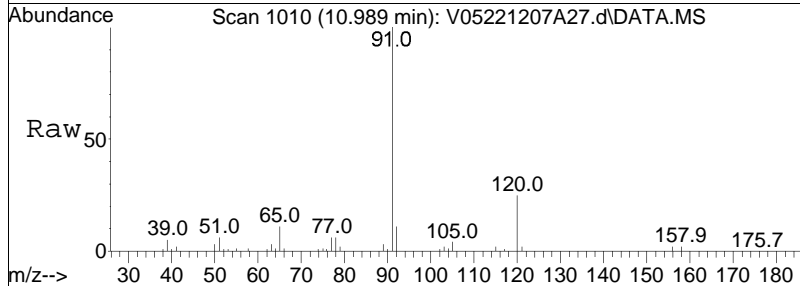
Tgt Ion:106 Resp: 450949
 Ion Ratio Lower Upper
 106 100
 91 206.4 187.0 280.6

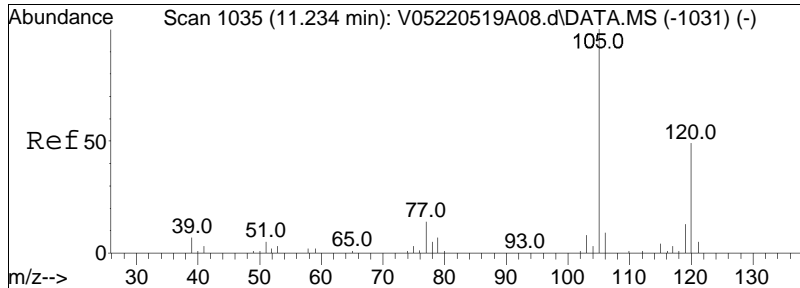




#85
 n-Propylbenzene
 Concen: 10.57 ug/L
 RT: 10.989 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

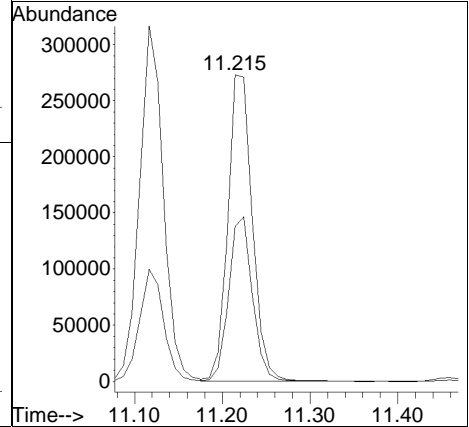
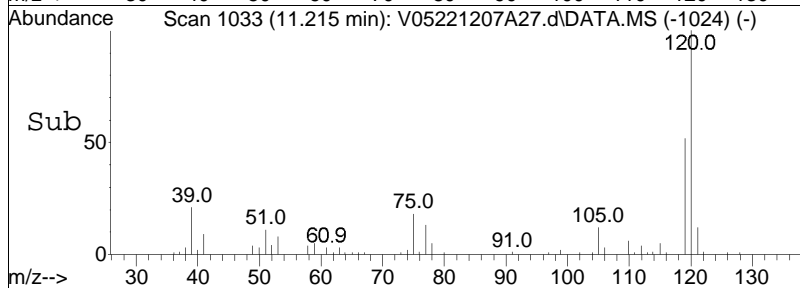
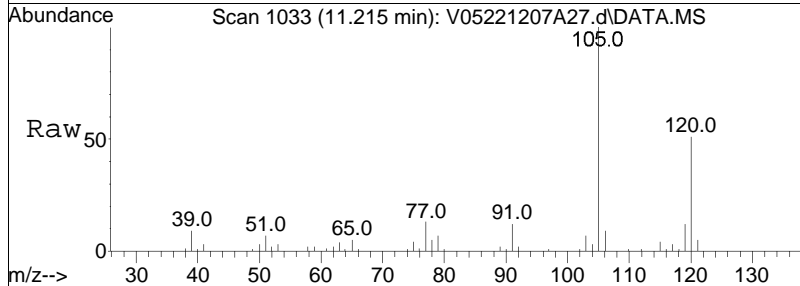
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 91 | 100 | | |
| 120 | 24.9 | 17.3 | 25.9 |

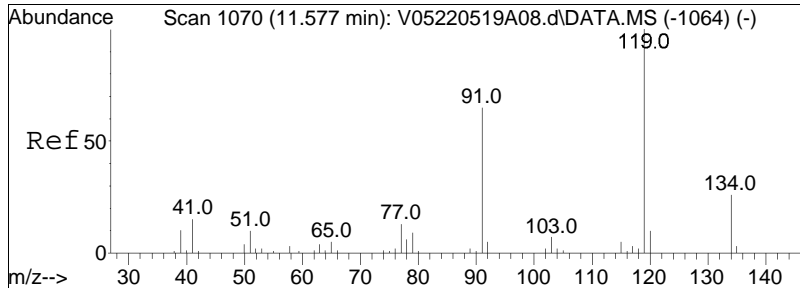




#90
 1,3,5-Trimethylbenzene
 Concen: 10.60 ug/L
 RT: 11.215 min Scan# 1033
 Delta R.T. -0.010 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

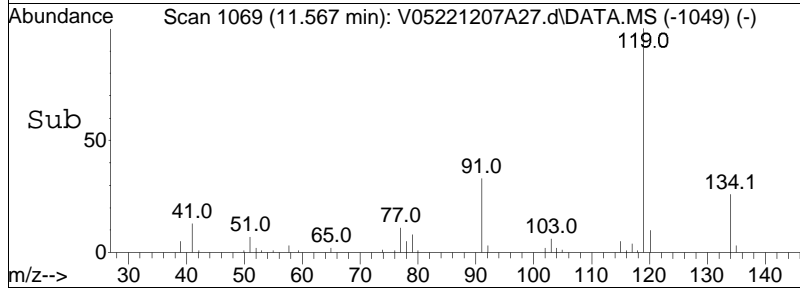
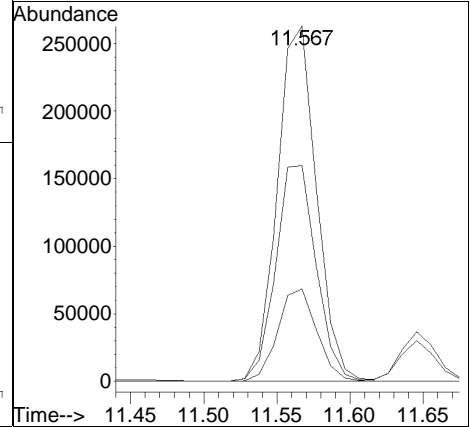
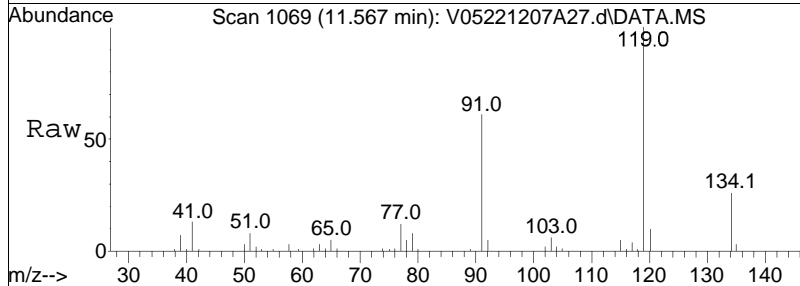
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 52.4 | 37.0 | 55.6 |

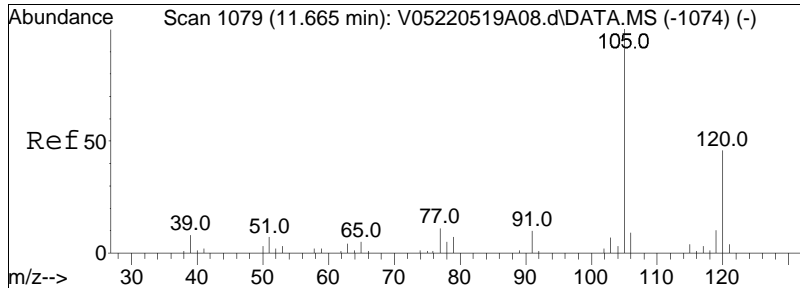




#94
 tert-Butylbenzene
 Concen: 11.14 ug/L
 RT: 11.567 min Scan# 1069
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

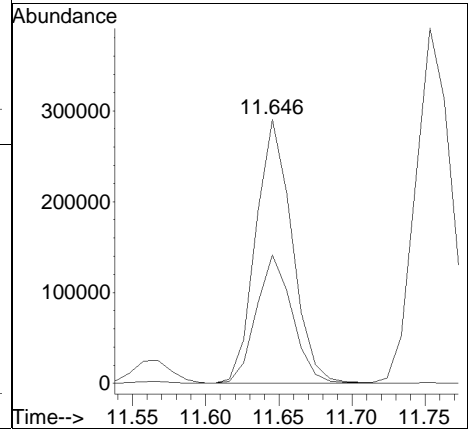
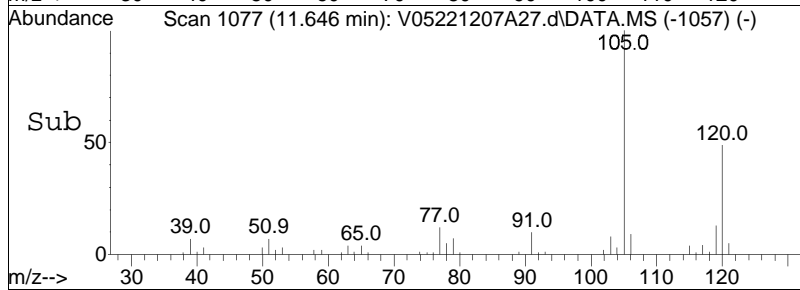
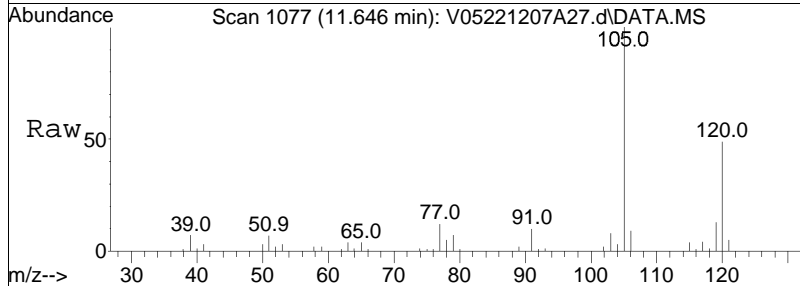
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119 | 100 | | |
| 91 | 62.4 | 49.2 | 73.8 |
| 134 | 26.0 | 18.3 | 27.5 |

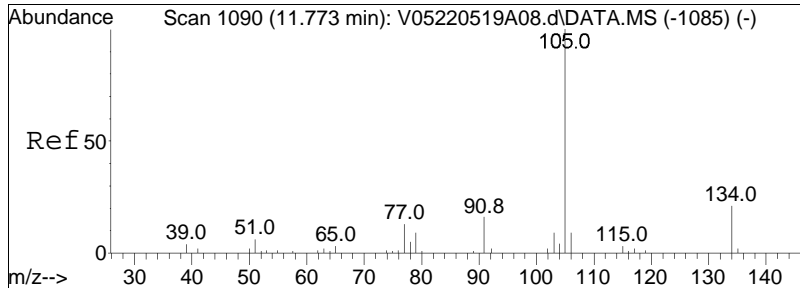




#97
 1,2,4-Trimethylbenzene
 Concen: 10.31 ug/L
 RT: 11.646 min Scan# 1077
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

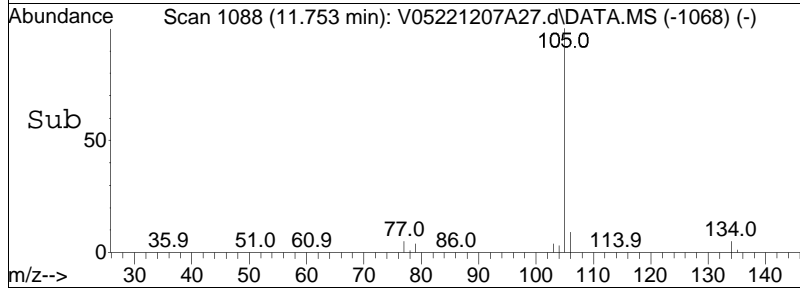
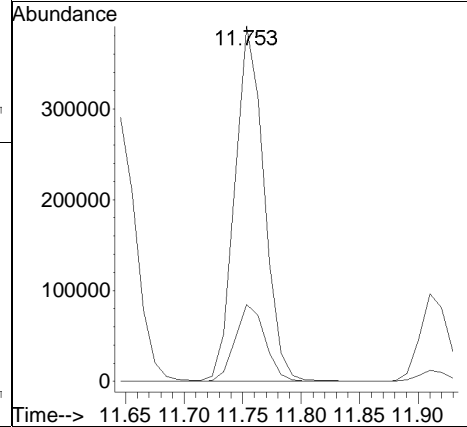
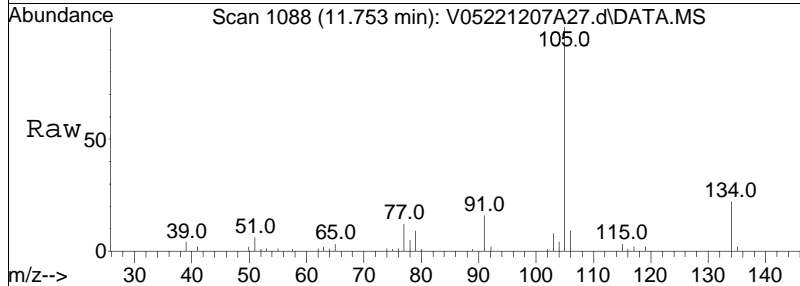
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 120 | 48.2 | 34.4 | 51.6 |

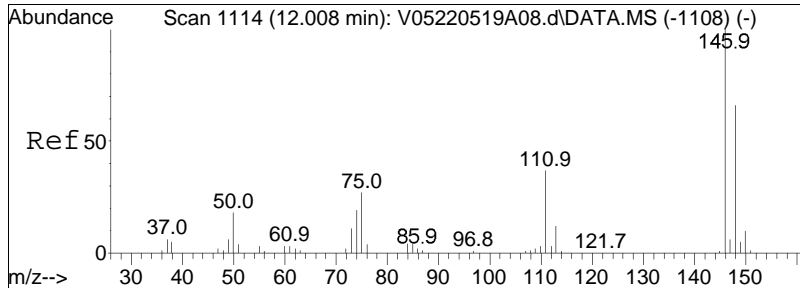




#98
 sec-Butylbenzene
 Concen: 10.85 ug/L
 RT: 11.753 min Scan# 1088
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

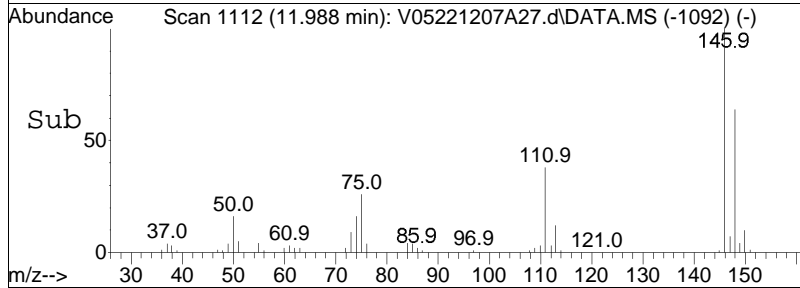
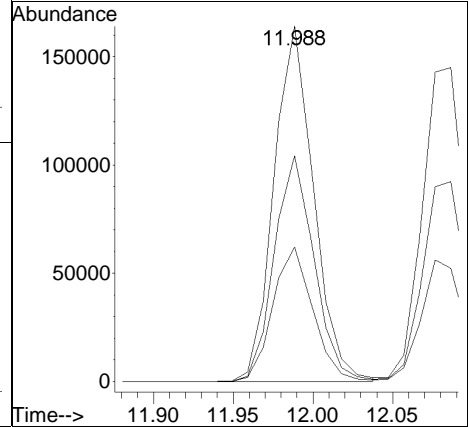
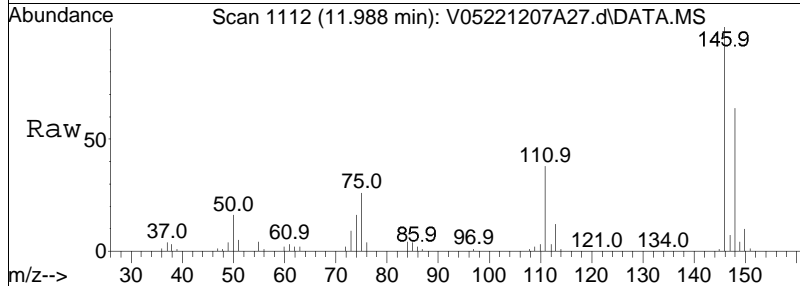
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 105 | 100 | | |
| 134 | 22.3 | 12.9 | 26.9 |

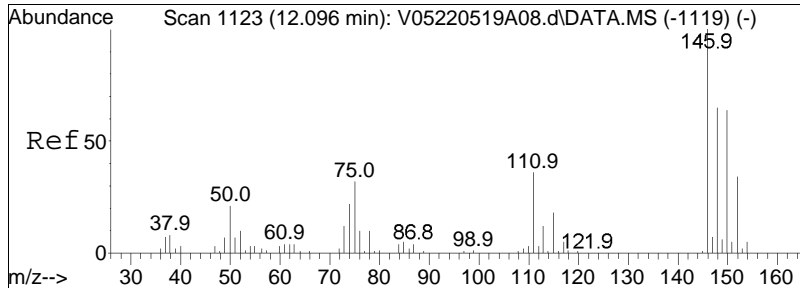




#100
 1,3-Dichlorobenzene
 Concen: 10.23 ug/L
 RT: 11.988 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

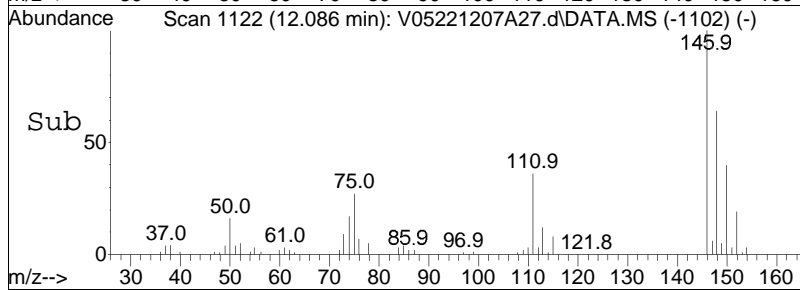
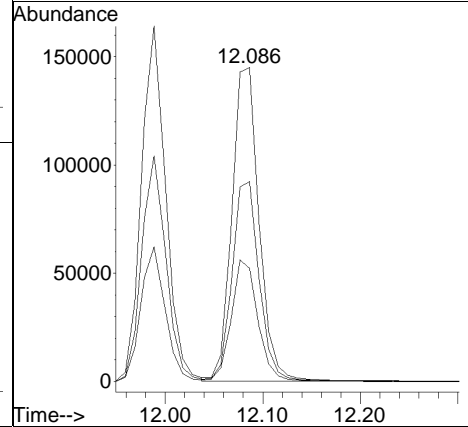
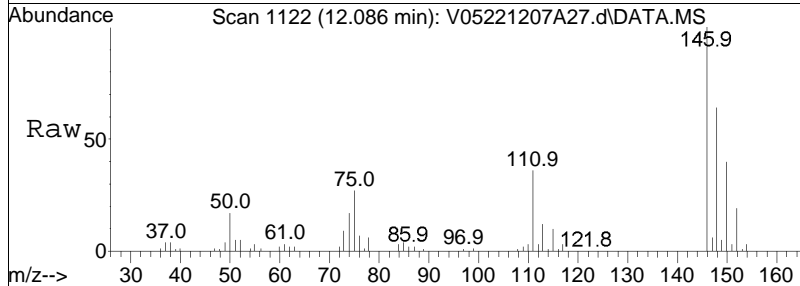
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146 | 100 | | |
| 111 | 38.2 | 28.0 | 58.1 |
| 148 | 63.7 | 41.6 | 86.4 |

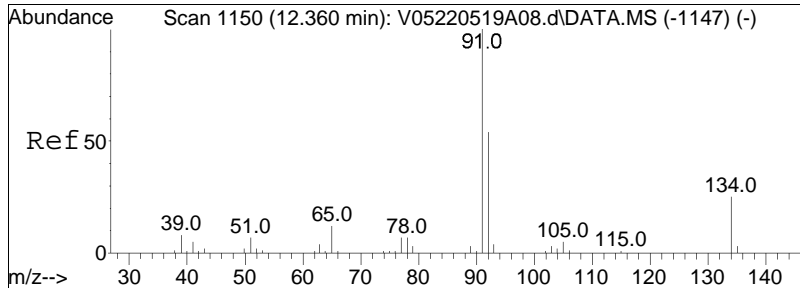




#101
 1,4-Dichlorobenzene
 Concen: 9.98 ug/L
 RT: 12.086 min Scan# 1122
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

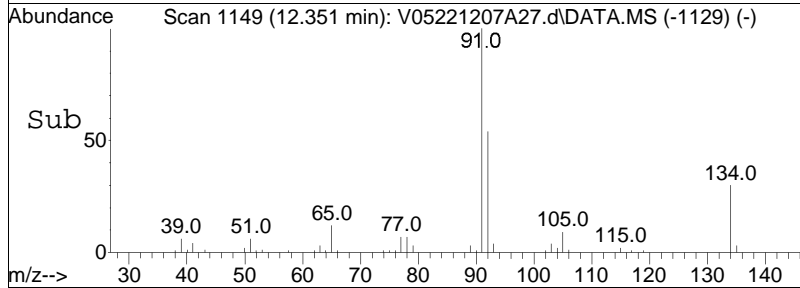
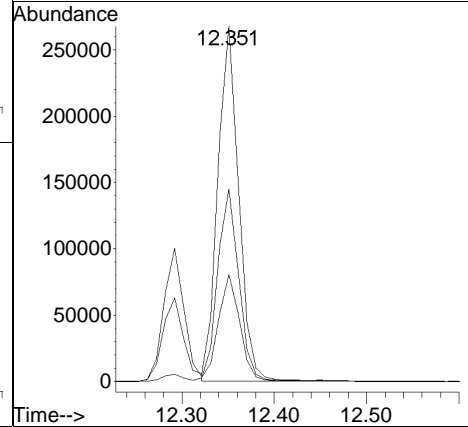
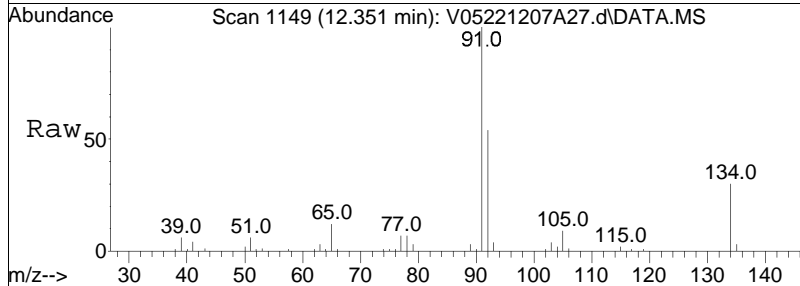
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 38.2 | 33.8 | 50.6 |
| 148 | 64.1 | 51.0 | 76.6 |

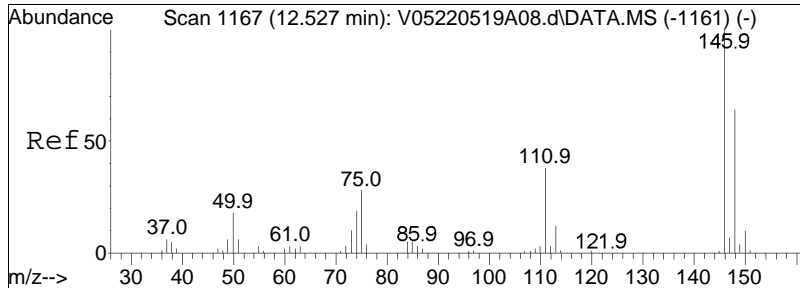




#103
 n-Butylbenzene
 Concen: 9.55 ug/L
 RT: 12.351 min Scan# 1149
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

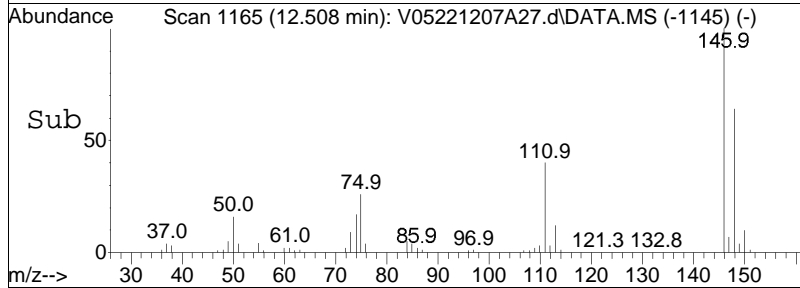
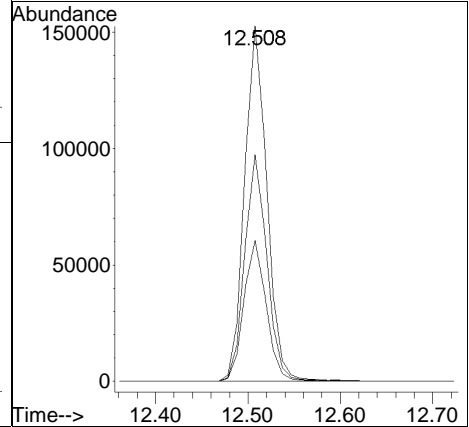
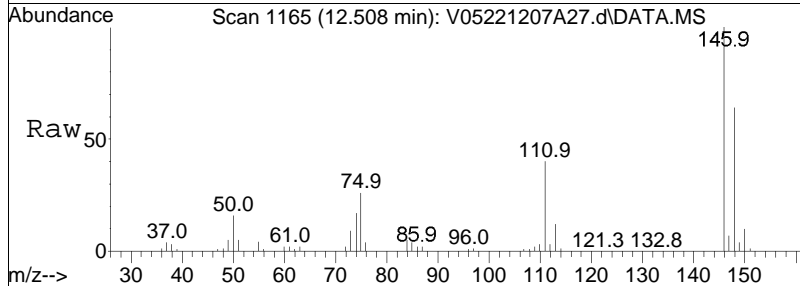
| Tgt Ion: | 91 | Resp: | 422390 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper | |
| 91 | 100 | | |
| 92 | 55.2 | 44.2 | 66.2 |
| 134 | 30.3 | 20.2 | 30.2# |





#104
 1,2-Dichlorobenzene
 Concen: 10.40 ug/L
 RT: 12.508 min Scan# 1165
 Delta R.T. 0.000 min
 Lab File: V05221207A27.d
 Acq: 7 Dec 2022 5:08 pm

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 146 | 100 | | |
| 111 | 39.9 | 29.1 | 60.5 |
| 148 | 63.4 | 41.7 | 86.7 |





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)

Dec 08 2022, 09:16 am

Work Group: WG1720634 for Department: 31 GC/MS - Volatiles

Created: 07-DEC-22 Due: Operator: LAC

| Sample | Client ID | C Product | Matrix | Stat | UA | HOLD | DUE | PR | Location |
|-------------|----------------------|--------------|--------|------|----|------|------|----|----------|
| L2267729-01 | MW-10 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-02 | MW-19 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-03 | MW-20 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-04 | MW-21 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-05 | MW-23 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-06 | MW-24I | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-07 | MW-25I | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-08 | MW-D2 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-09 | MW-D2I | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-10 | DUP_12022022 | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-11 | FIELD BLANK | S NYTCL-8260 | WATER | DONE | U | 1216 | 1208 | S0 | Vial-B |
| L2267729-12 | TRIP BLANK | S NYTCL-8260 | WATER | DONE | U | 1215 | 1208 | S0 | Vial-B |
| WG1720634-1 | MS BFB Tune Standard | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-2 | Continuing Calibrati | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-3 | Laboratory Control S | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-4 | LCS Duplicate | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-5 | Laboratory Method Bl | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-6 | Matrix Spike | S NYTCL-8260 | WATER | DONE | U | | | | |
| WG1720634-7 | Matrix Spike Duplica | S NYTCL-8260 | WATER | DONE | U | | | | |

Comments:

WG1720634-4 WG1720634-3
 WG1720634-6 L2267729-06
 WG1720634-7 L2267729-06

Inst: VOA105

BFB: V9311

Method



GC: 8260

Initials: KJD

IS/SS: V9334

Autosampler: 8260water10ml

Date: 11/07/22

ICAL: V9340B, V9356

Concentrator: 8260

Run: N

ICV: V9318, V9304, V9306, V9335, V9319, V9305

QC: _____ Seq: _____

| Vial | Data File | Sample |
|------|---------------|----------------|
| 1 | V05221107BFB1 | BFB TUNE |
| 1 | V05221107N01 | BLK |
| 2 | V05221107N02 | BLK |
| 3 | V05221107N03 | I8260STD.19PPB |
| 4 | V05221107N04 | I8260STD.19PPB |
| 5 | V05221107N05 | I8260STD0.5PPB |
| 6 | V05221107N06 | I8260STD0.5PPB |
| 7 | V05221107N07 | I8260STD2.0PPB |
| 8 | V05221107N08 | I8260STD2.0PPB |
| 9 | V05221107N09 | I8260STD10PPB |
| 10 | V05221107N10 | I8260STD30PPB |
| 11 | V05221107N11 | I8260STD80PPB |
| 12 | V05221107N12 | I8260STD120PPB |
| 13 | V05221107N13 | I8260STD200PPB |
| 14 | V05221107N14 | BLK |
| 15 | V05221107N15 | BLK |
| 16 | V05221107N16 | BLK |
| 17 | V05221107N17 | BLK |
| 18 | V05221107N18 | C8260STD10PPB |
| 19 | V05221107N19 | C8260STD10PPB |
| 20 | V05221107N20 | BLK |
| 21 | V05221107N21 | MDL BLK |
| 22 | V05221107N22 | MDL 0.19PPB |
| 23 | V05221107N23 | MDL 0.5PPB |
| 24 | V05221107N24 | MDL 2.0PPB |
| 25 | V05221107N25 | BLK |



Inst: VOA105 BFB: V9369
 Initials: MJV IS/SS: V9402
 Date: 12/07/22 ICAL: V9365C,V9409
 Run: A

Method
 GC: 8260
 Autosampler: 8260water10ml
 Concentrator: 8260

QC: _____ Seq: _____

| Vial | Data File | Sample | | |
|------|---------------|---------------------------------|---------------|---------|
| 1 | V05221207ABF1 | BFB TUNE | 06:47 | |
| 1 | V05221207A01 | 8260 CCAL | LCS | |
| 2 | V05221207A02 | 8260 CCAL | LCSD | |
| 3 | V05221207A03 | 8260 CCAL | | |
| 4 | V05221207A04 | BLK | | |
| 5 | V05221207A05 | METHOD BLK | | |
| 6 | V05221207A06 | I2267729-11,31,10,10,,c,pri | NYTCL | FB pH<2 |
| 7 | V05221207A07 | I2267729-12,31,10,10,,a,pri | NYTCL | TB pH<2 |
| 8 | V05221207A08 | I2267729-01,31,10,10,,c,pri | NYTCL | pH<2 |
| 9 | V05221207A09 | I2267729-02,31,10,10,,c,pri | NYTCL | pH<2 |
| 10 | V05221207A10 | I2267729-03,31,10,10,,c,pri | NYTCL | pH<2 |
| 11 | V05221207A11 | I2267729-04,31,10,10,,c,pri | NYTCL | pH<2 |
| 12 | V05221207A12 | I2267729-05,31,10,10,,c,pri | NYTCL | pH<2 |
| 13 | V05221207A13 | I2267729-06,31,10,10,,c,pri | NYTCL | pH<2 |
| 14 | V05221207A14 | I2267729-07,31,10,10,,c,pri | NYTCL | pH<2 |
| 15 | V05221207A15 | I2267729-08,31,10,10,,c,pri | NYTCL | pH<2 |
| 16 | V05221207A16 | I2267729-09,31,10,10,,c,pri | NYTCL | pH<2 |
| 17 | V05221207A17 | I2267729-10,31,10,10,,c,pri | NYTCL | pH<2 |
| 18 | V05221207A18 | I2267416-03,31,10,10,,a | MECURVE/RF | pH<2 |
| 19 | V05221207A19 | I2266903-04,31,10,10,,a | MECURVE/RF | pH<2 |
| 20 | V05221207A20 | I2266903-07,31,10,10,,a | MECURVE/RF | pH<2 |
| 21 | V05221207A21 | I2266903-01d,31,5.0,10,,a | MECURVE/RF | pH<2 |
| 22 | V05221207A22 | I2266903-02d,31,5.0,10,,a | MECURVE/RF | pH<2 |
| 23 | V05221207A23 | I2266903-05d,31,2.0,10,,a | MECURVE/RF | pH<2 |
| 24 | V05221207A24 | I2266903-06d,31,2.5,10,,a | MECURVE/RF | pH<2 |
| 25 | V05221207A25 | I2267416-01d,31,0.05,10,,c | ME/PCE BRK/RF | pH<2 |
| 26 | V05221207A26 | I2267729-06MS,31,10,10,,c1,pri | NYTCL | pH<2 |
| 27 | V05221207A27 | I2267729-06MSD,31,10,10,,c2,pri | NYTCL | pH<2 |
| 28 | V05221207A28 | HSTD | | |
| 29 | V05221207A29 | BLK | | |
| 30 | V05221207A30 | BLK | | |

Wet Chemistry

Total Organic Carbon Analysis

Results

Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-01 | Date Collected : 12/02/22 11:50 |
| Client ID : MW-10 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 07:39 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2300 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-02 | Date Collected : 12/02/22 08:40 |
| Client ID : MW-19 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 08:12 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 1700 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-03 | Date Collected : 12/02/22 11:00 |
| Client ID : MW-20 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 08:50 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2700 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-04 | Date Collected : 12/02/22 09:50 |
| Client ID : MW-21 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 09:25 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2000 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-05 | Date Collected : 12/02/22 12:30 |
| Client ID : MW-23 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 10:00 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 3000 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-06 | Date Collected : 12/02/22 10:50 |
| Client ID : MW-24I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 10:38 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2400 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-07 | Date Collected : 12/02/22 11:40 |
| Client ID : MW-25I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 11:10 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 3900 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-08 | Date Collected : 12/02/22 09:55 |
| Client ID : MW-D2 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 12:38 |
| Sample Matrix : WATER | Dilution Factor : 2 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|------|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 8400 | 1000 | 190 | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-09 | Date Collected : 12/02/22 08:45 |
| Client ID : MW-D2I | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 13:05 |
| Sample Matrix : WATER | Dilution Factor : 10 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|------|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 57000 | 5000 | 970 | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-10 | Date Collected : 12/02/22 00:00 |
| Client ID : DUP_12022022 | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 13:42 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 570 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : L2267729-11 | Date Collected : 12/02/22 12:00 |
| Client ID : FIELD BLANK | Date Received : 12/02/22 |
| Sample Location : 60-66 GERRY STREET | Date Analyzed : 12/07/22 07:01 |
| Sample Matrix : Field Blank | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 110 | 500 | 97. | J |



Form 1 WETCHEM

| | |
|---|--------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1720164-1 | Date Collected : NA |
| Client ID : WG1720164-1BLANK | Date Received : NA |
| Sample Location : | Date Analyzed : 12/07/22 04:52 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | ND | 500 | 97. | U |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1720164-3 | Date Collected : 12/02/22 10:50 |
| Client ID : MW-24IDUP | Date Received : 12/02/22 |
| Sample Location : | Date Analyzed : 12/07/22 19:15 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 2200 | 500 | 97. | |



Form 1 WETCHEM

| | |
|---|---------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Lab ID : WG1720164-5 | Date Collected : 12/02/22 11:40 |
| Client ID : MW-25IDUP | Date Received : 12/02/22 |
| Sample Location : | Date Analyzed : 12/07/22 20:20 |
| Sample Matrix : WATER | Dilution Factor : 1 |
| Analytical Method : 1,9060A | Analyst : DEW |
| Lab File ID : WG1720164 | Instrument ID : TOC-VW4 |
| Sample Amount : | %Solids : N/A |
| Digestion Method : | Date Digested : |

| CAS NO. | Parameter | ug/L | | | Qualifier |
|-----------|----------------------|---------|-----|-----|-----------|
| | | Results | RL | MDL | |
| 7440-44-0 | Total Organic Carbon | 3900 | 500 | 97. | |



Instr.Information

System TOC-VW
 Instrument Options TOC/ASI/

*TOC 4
 072622 (M)*

Cal. Curve

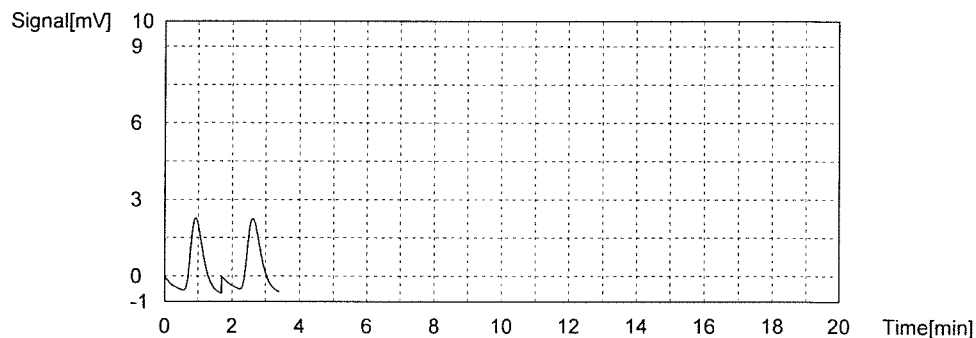
Sample Name: 07262022 TOC4 CURVE
 Sample ID:
 Cal. Curve: 07262022 TOC4 CURVE.2022_07_26_04_29_58.cal
 Status Completed

| Type | Anal. |
|----------|-------|
| Standard | NPOC |

Conc: 0.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|--------|-----------|-----------|-------|-----|-----------------|
| 1 | 7.5825 | 500uL | 1 | ***** | | 7/26/2022 4:40: |
| 2 | 7.7805 | 500uL | 1 | ***** | | 7/26/2022 4:45: |

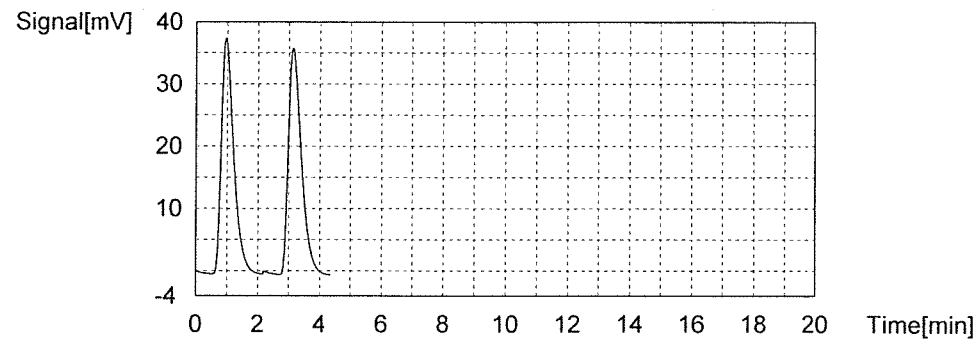
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 7.681



Conc: 0.5000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 108.5 | 500uL | 1 | ***** | | 7/26/2022 4:56: |
| 2 | 109.2 | 500uL | 1 | ***** | | 7/26/2022 5:00: |

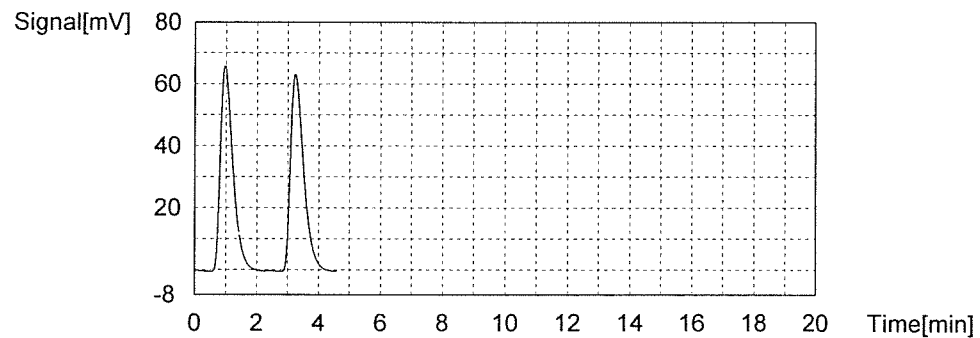
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 108.8



Conc: 1.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 193.0 | 500uL | 1 | ***** | | 7/26/2022 5:11: |
| 2 | 193.7 | 500uL | 1 | ***** | | 7/26/2022 5:16: |

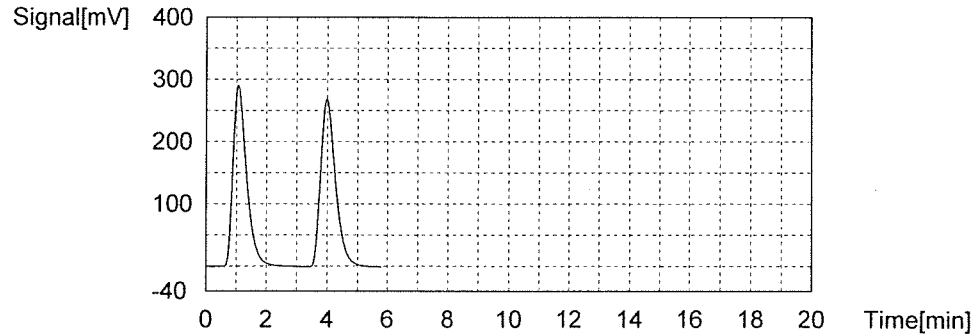
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 193.4



Conc: 5.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|-----------------|
| 1 | 936.8 | 500uL | 1 | ***** | | 7/26/2022 5:28: |
| 2 | 943.0 | 500uL | 1 | ***** | | 7/26/2022 5:33: |

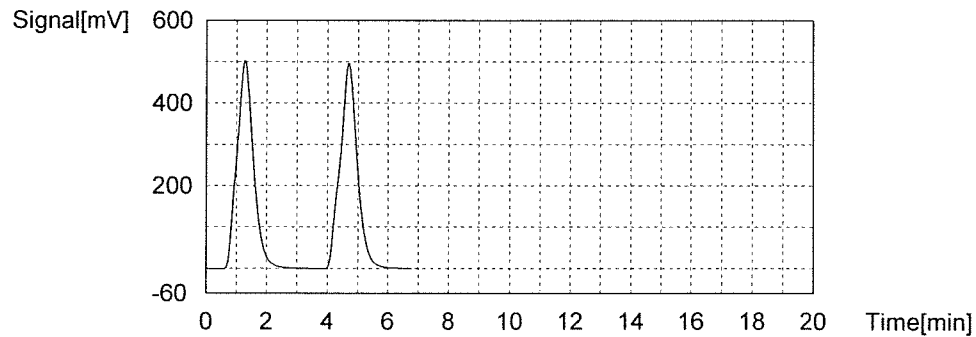
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 939.9



Conc: 10.00mg/L

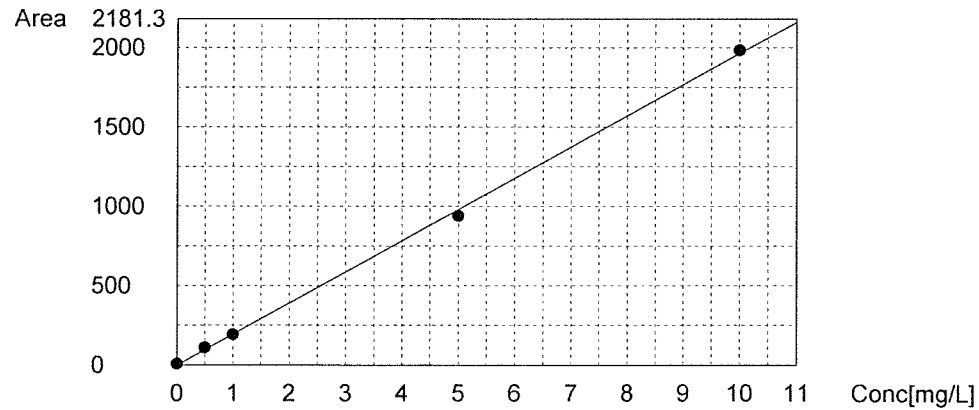
| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|------|-----------|-----------|-------|-----|-----------------|
| 1 | 1977 | 500uL | 1 | ***** | | 7/26/2022 5:45: |
| 2 | 1989 | 500uL | 1 | ***** | | 7/26/2022 5:51: |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 1983



Slope: 196.5
 Intercept -1.912
 r^2 0.9992
 r 0.9996
 Zero ShiftNo

My



| | | | | |
|-------|-------|-------|-----|-------|
| conc. | A | A | yim | 90 |
| 0 | 7.671 | | | |
| 0.5 | 108.8 | 0.543 | | 113 X |
| 1.0 | 193.4 | 0.994 | | 99 |
| 5.0 | 939.9 | 4.793 | 3/3 | 96 |
| 10.0 | 1977 | 10.18 | | 101 |

↓
AA

Sample Raw Data

Instr. Information

System TOC-VW
Instrument Options TOC/ASI/

Sample

Sample Name: DI
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

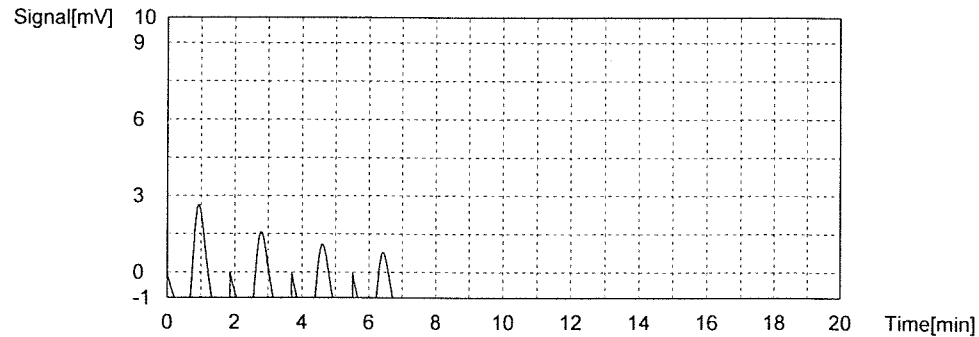
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.06084mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 12.10 | 7131mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:59: |
| 2 | 10.00 | 6062mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:05: |
| 3 | 9.327 | 5719mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:09: |
| 4 | 8.748 | 5425mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:13: |

Mean Area 10.04
Mean Conc. 0.06084m



Sample

Sample Name: IC CK STD
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

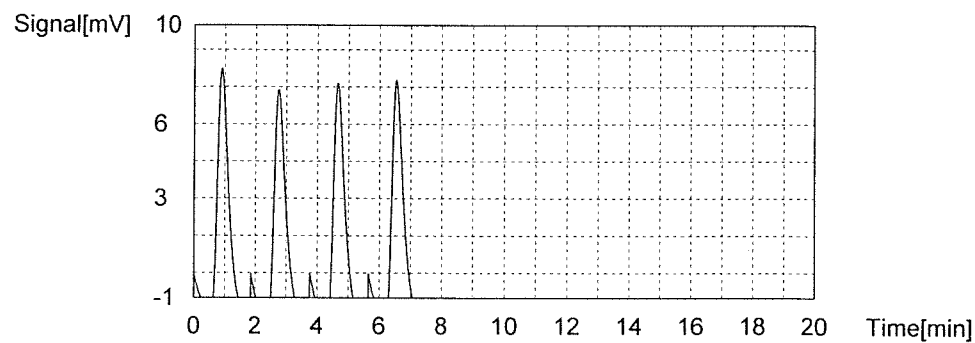
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.1371mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 24.87 | .1363mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:24: |
| 2 | 24.99 | .1369mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:29: |
| 3 | 25.07 | .1373mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:33: |
| 4 | 25.20 | .1380mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:38: |

Mean Area 25.03
Mean Conc. 0.1371mg



Sample

Sample Name: ICV
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

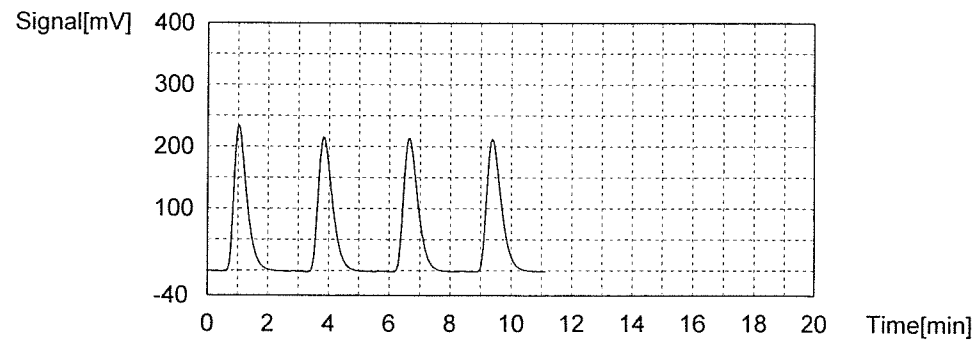
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.737mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 721.7 | 3.682mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:50: |
| 2 | 733.9 | 3.744mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:54: |
| 3 | 733.2 | 3.741mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:59: |
| 4 | 741.0 | 3.781mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:04: |

Mean Area 732.5
 Mean Conc. 3.737mg/l



Sample

Sample Name: ICB
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

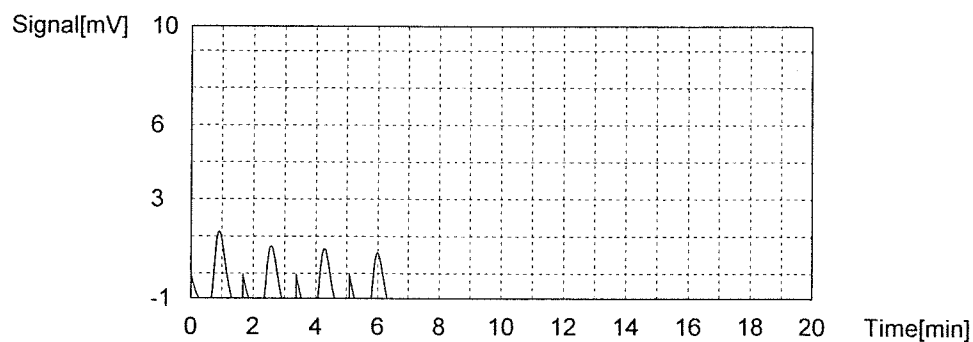
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.05020mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 8.156 | 05124mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:15: |
| 2 | 7.910 | 04998mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:19: |
| 3 | 7.966 | 05027mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:24: |
| 4 | 7.778 | 04931mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:28: |

Mean Area 7.953
Mean Conc. 0.05020m



Sample

Sample Name: MB
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

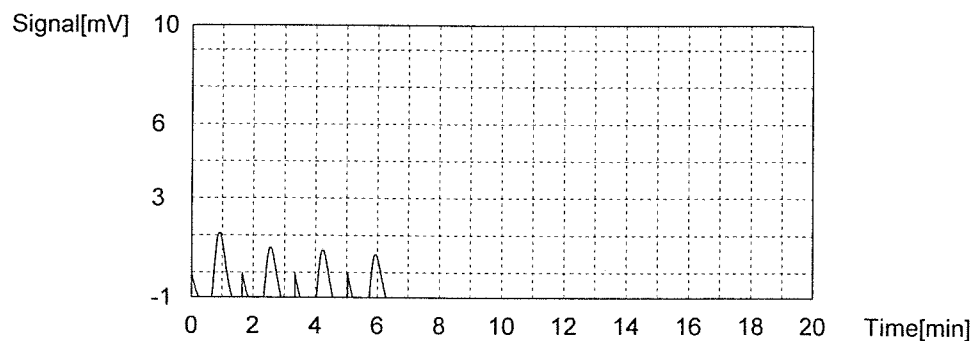
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.04998mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 8.285 | 5189mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:39: |
| 2 | 7.575 | 4828mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:43: |
| 3 | 7.662 | 4872mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:47: |
| 4 | 8.117 | 5104mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:52: |

Mean Area 7.910
Mean Conc. 0.04998m



Sample

Sample Name: LCS
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

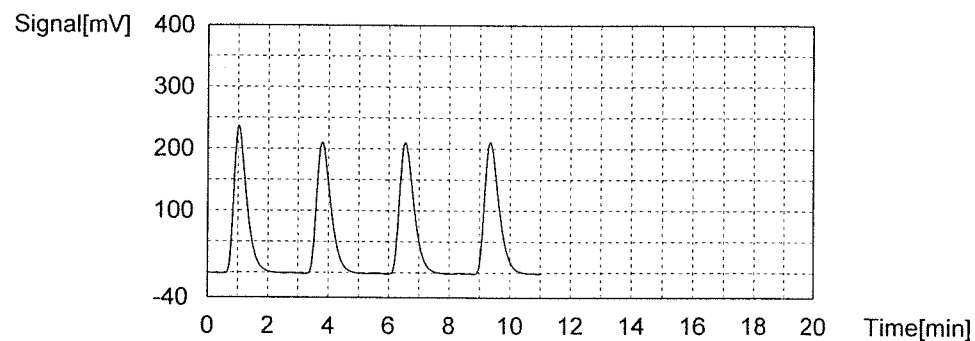
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.708mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 721.2 | 3.680mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:03: |
| 2 | 722.2 | 3.685mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:08: |
| 3 | 734.5 | 3.748mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:13: |
| 4 | 729.4 | 3.722mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:18: |

Mean Area 726.8
Mean Conc. 3.708mg/l



Sample

Sample Name: 67729-11 FB
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

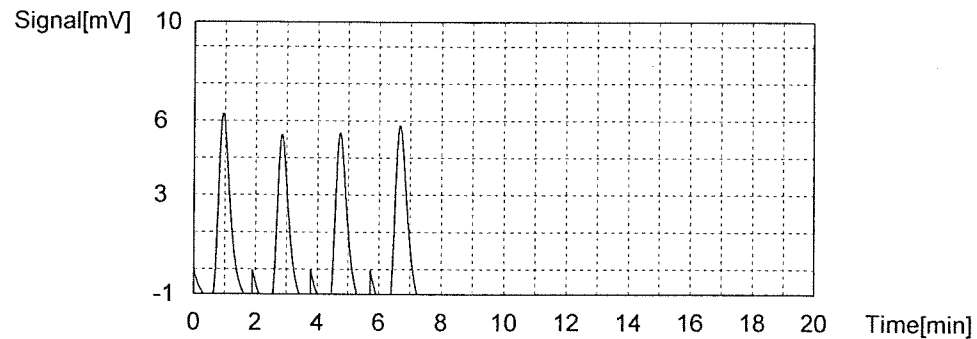
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.1141mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 20.43 | .1137mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:48: |
| 2 | 19.28 | .1078mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:52: |
| 3 | 20.45 | .1138mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:57: |
| 4 | 21.89 | .1211mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:01: |

Mean Area 20.51
 Mean Conc. 0.1141mg



Sample

Sample Name: 67729-01
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

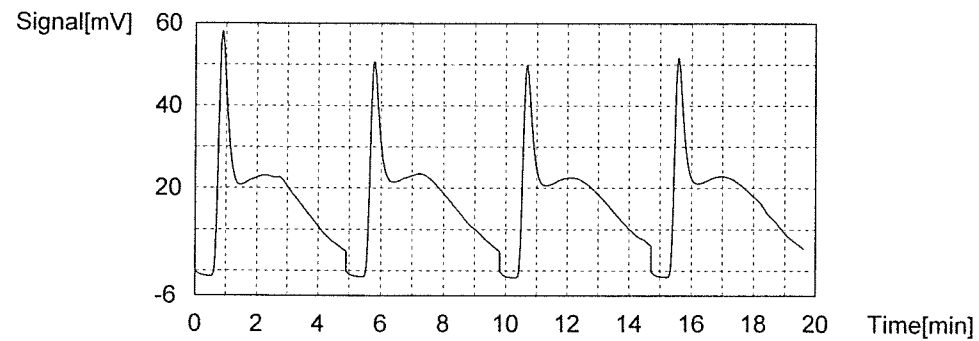
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.318mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 465.1 | 2.377mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:15: |
| 2 | 456.5 | 2.333mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:23: |
| 3 | 436.1 | 2.229mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:31: |
| 4 | 456.3 | 2.332mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:39: |

Mean Area 453.5
 Mean Conc. 2.318mg/l



Sample

Sample Name: 67729-02
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

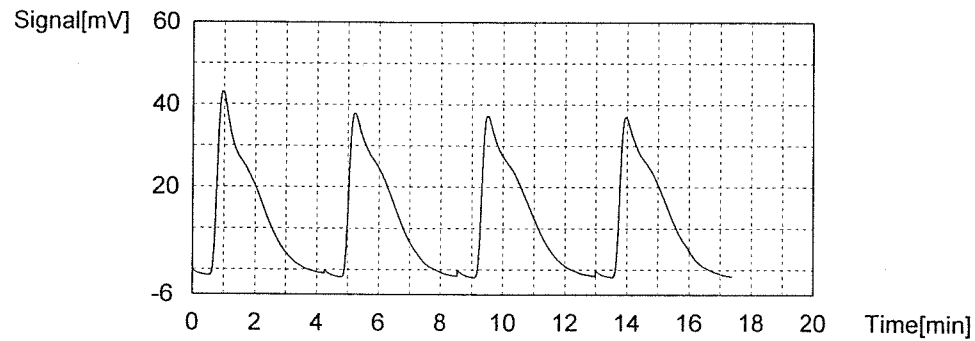
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.733mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 338.8 | 1.734mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:52: |
| 2 | 334.5 | 1.712mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:59: |
| 3 | 340.7 | 1.744mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:05: |
| 4 | 340.3 | 1.741mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:12: |

Mean Area 338.6
 Mean Conc. 1.733mg/l



Sample

Sample Name: 67729-03
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

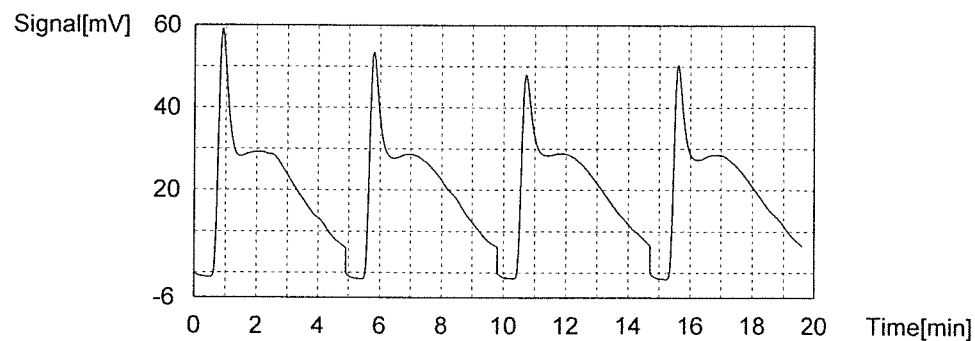
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.730mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 546.8 | 2.792mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:26: |
| 2 | 537.1 | 2.743mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:34: |
| 3 | 521.6 | 2.664mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:42: |
| 4 | 533.0 | 2.722mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:50: |

Mean Area 534.6
 Mean Conc. 2.730mg/l



Sample

Sample Name: 67729-04
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

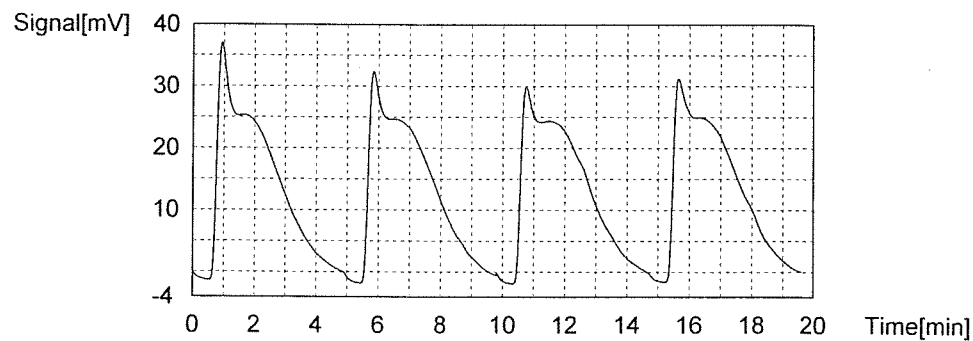
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.041mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 400.7 | 2.049mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:04: |
| 2 | 401.1 | 2.051mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:11: |
| 3 | 395.8 | 2.024mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:18: |
| 4 | 398.9 | 2.040mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:25: |

Mean Area 399.1
Mean Conc. 2.041mg/l



Sample

Sample Name: 67729-05
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

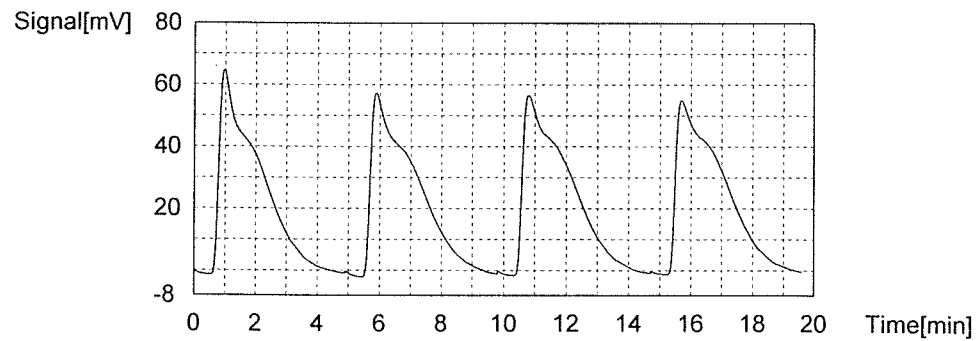
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.041mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|------------------|
| 1 | 591.0 | 3.017mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:39: |
| 2 | 597.3 | 3.049mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:46: |
| 3 | 598.8 | 3.057mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:53: |
| 4 | 595.6 | 3.041mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:00: |

Mean Area 595.7
 Mean Conc. 3.041mg/l



Sample

Sample Name: 67729-06
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

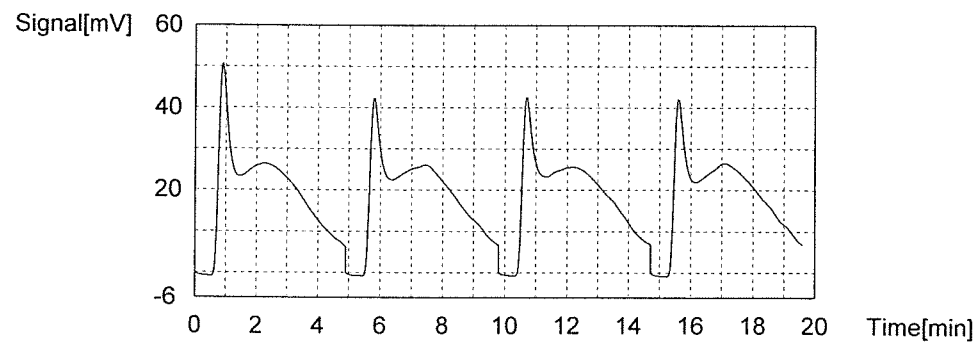
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.390mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 478.9 | 2.447mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:14 |
| 2 | 463.6 | 2.369mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:22 |
| 3 | 461.1 | 2.356mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:30 |
| 4 | 467.7 | 2.390mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:38 |

Mean Area 467.8
 Mean Conc. 2.390mg/l



Sample

Sample Name: 67729-07
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

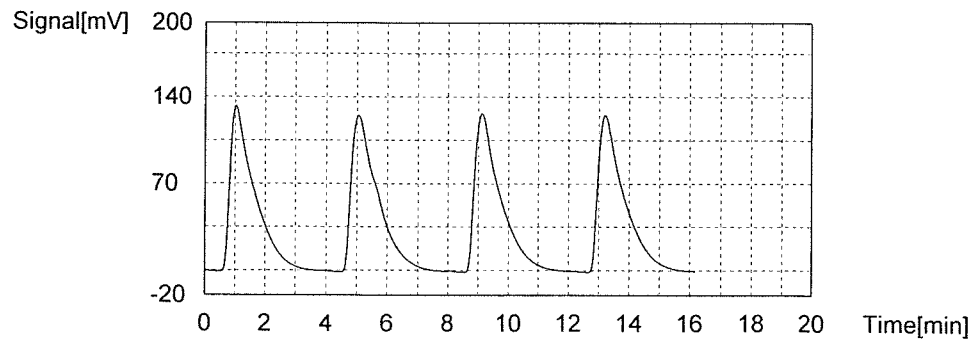
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.949mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 764.3 | 3.899mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:51 |
| 2 | 774.2 | 3.950mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:58 |
| 3 | 779.0 | 3.974mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:04 |
| 4 | 778.9 | 3.973mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:10 |

Mean Area 774.1
 Mean Conc. 3.949mg/l



Sample

Sample Name: CCV
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

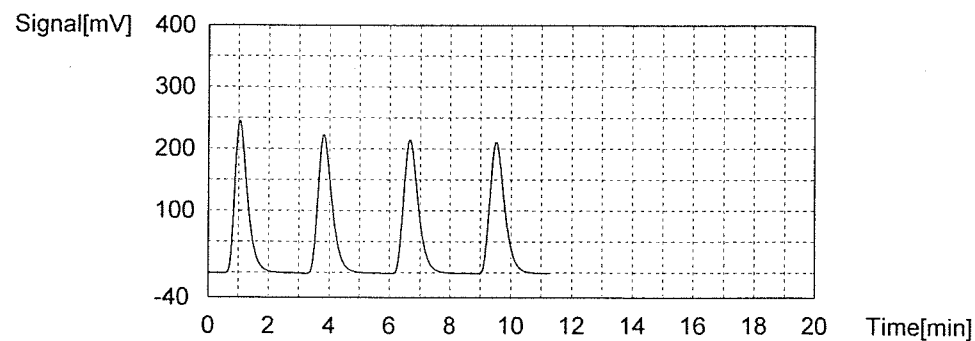
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.791mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 739.4 | 3.772mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:29 |
| 2 | 745.4 | 3.803mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:34 |
| 3 | 744.8 | 3.800mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:39 |
| 4 | 742.3 | 3.787mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:44 |

Mean Area 743.0
 Mean Conc. 3.791mg/l



Sample

Sample Name: CCB
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

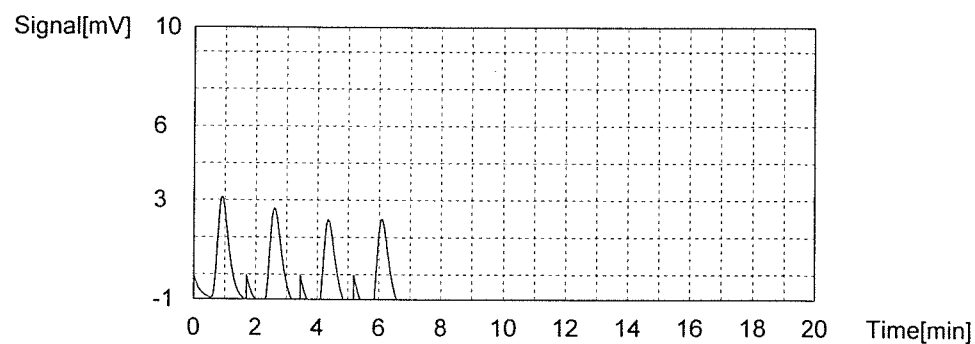
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.06334mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|--------|----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 10.670 | 6403mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:59 |
| 2 | 10.890 | 6515mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 11:59 |
| 3 | 10.090 | 6108mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:04 |
| 4 | 10.490 | 6311mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:08 |

Mean Area 10.54
 Mean Conc. 0.06334m



Sample

Sample Name: 67729-08 2X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

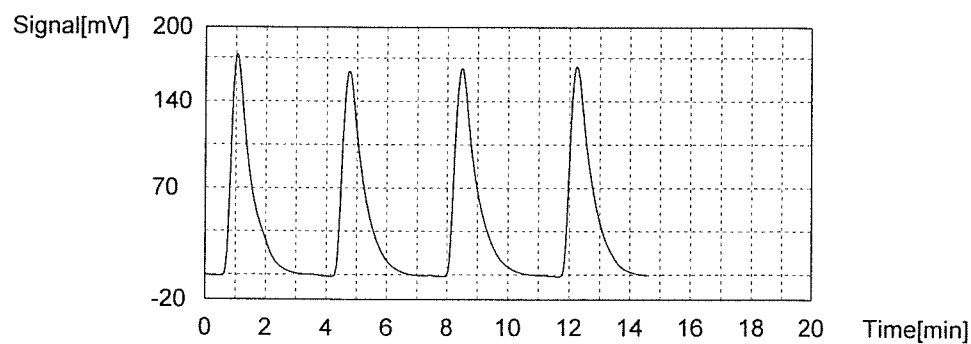
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.216mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|--------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 809.24 | 4.128mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:21 |
| 2 | 811.64 | 4.140mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:27 |
| 3 | 840.74 | 4.288mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:33 |
| 4 | 844.44 | 4.307mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:38 |

Mean Area 826.5
Mean Conc. 4.216mg/l



Sample

Sample Name: 67729-09 10X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

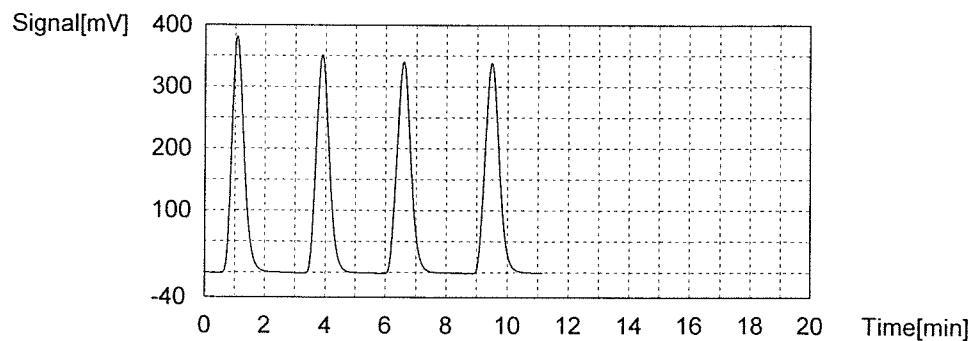
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.671mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1110 | 5.658mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:50 |
| 2 | 1098 | 5.597mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 12:55 |
| 3 | 1119 | 5.704mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:00: |
| 4 | 1123 | 5.725mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:05: |

Mean Area 1113
 Mean Conc. 5.671mg/l



Sample

Sample Name: 67729-10
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

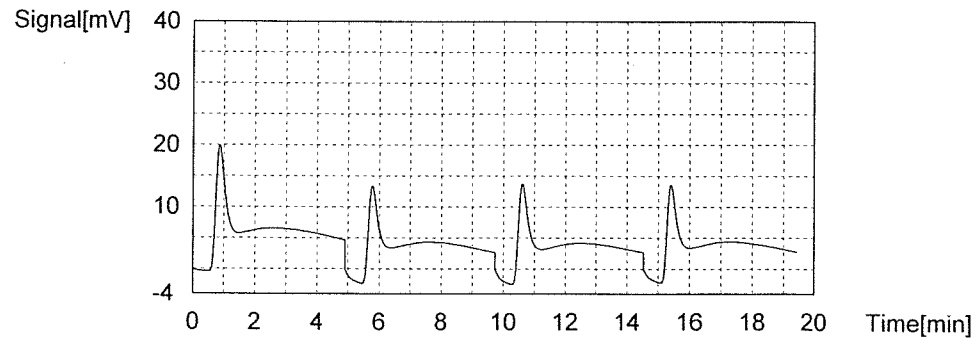
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.5708mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 122.1 | .6311mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:19: |
| 2 | 106.2 | .5502mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:26: |
| 3 | 105.9 | .5486mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:34: |
| 4 | 106.8 | .5532mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 1:42: |

Mean Area 110.3
 Mean Conc. 0.5708mg



Sample

Sample Name: 65881-01 1600X
 Sample ID: X
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result

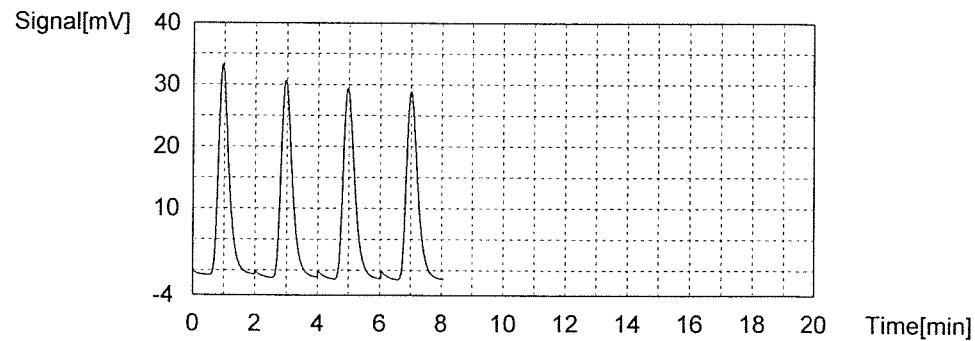
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4205mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 81.33 | .4236mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:18: |
| 2 | 80.87 | .4213mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:23: |
| 3 | 80.29 | .4183mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:27: |
| 4 | 80.42 | .4190mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:31: |

Mean Area 80.73
 Mean Conc. 0.4205mg



Sample

Sample Name: 65881-02 1600X
Sample ID: X
Origin: toc doc 4 reps method.met
Status: Completed
Chk. Result

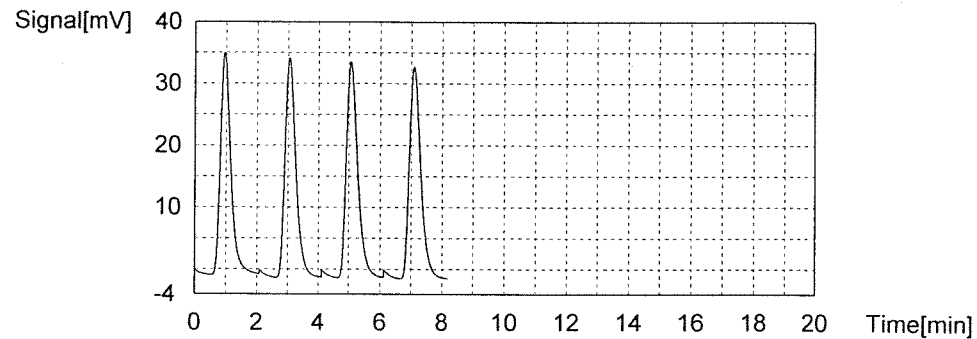
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4625mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 85.62 | .4454mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:42: |
| 2 | 89.91 | .4673mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:47: |
| 3 | 90.26 | .4691mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:51: |
| 4 | 90.06 | .4680mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 2:55: |

Mean Area 88.96
Mean Conc. 0.4625mg



Sample

Sample Name: 65881-03 1600X
 Sample ID: X
 Origin: toc doc 4 reps method.met
 Status: Completed
 Chk. Result:

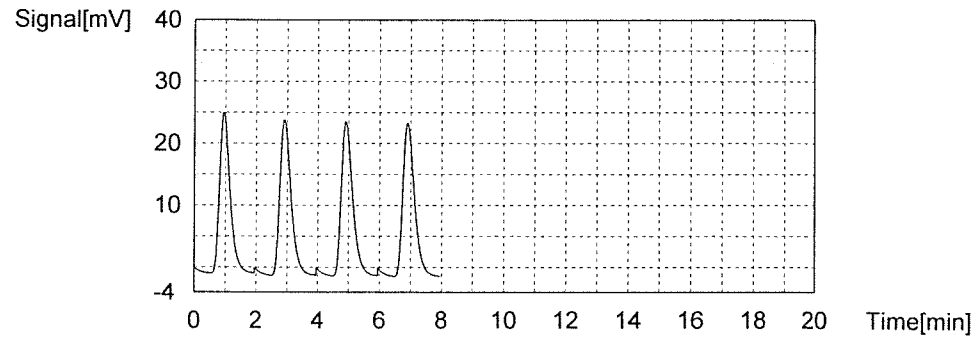
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3375mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 62.48 | .3277mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:06: |
| 2 | 64.48 | .3379mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:11: |
| 3 | 65.13 | .3412mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:15: |
| 4 | 65.51 | .3431mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:20: |

Mean Area 64.40
 Mean Conc. 0.3375mg



Sample

Sample Name: 65963-01 10X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

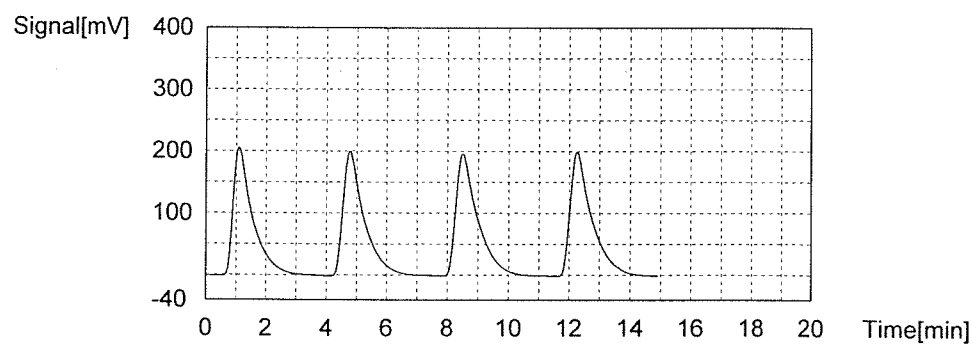
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.038mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 951.3 | 4.851mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:32: |
| 2 | 984.6 | 5.020mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:38: |
| 3 | 997.3 | 5.085mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:44: |
| 4 | 1019 | 5.195mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 3:50: |

Mean Area 988.1
Mean Conc. 5.038mg/l



Sample

Sample Name: 65963-02 10X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

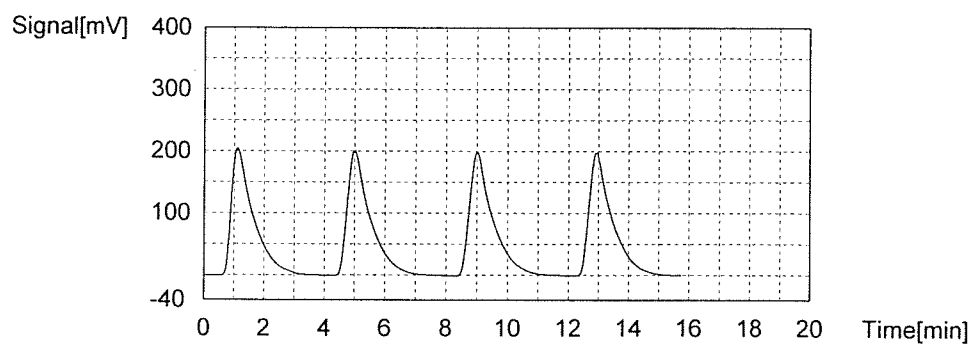
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.450mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1058 | 5.394mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:03: |
| 2 | 1073 | 5.470mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:09: |
| 3 | 1067 | 5.440mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:15: |
| 4 | 1078 | 5.496mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:21: |

Mean Area 1069
Mean Conc. 5.450mg/l



Sample

Sample Name: 65963-03 10X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

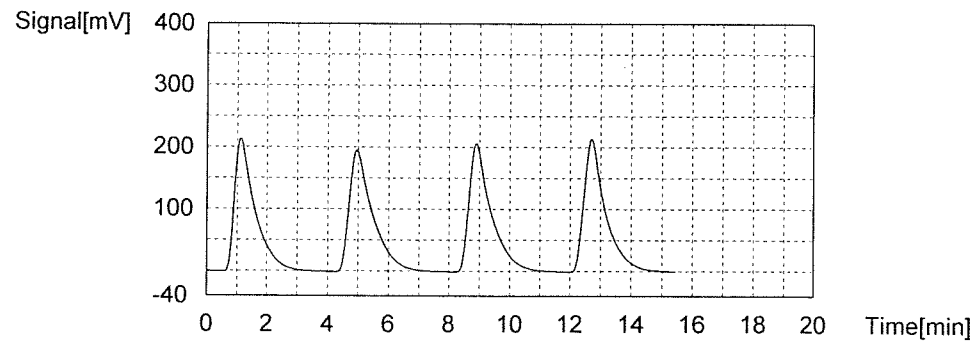
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.400mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1037 | 5.287mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:34: |
| 2 | 1060 | 5.404mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:40: |
| 3 | 1067 | 5.440mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:46: |
| 4 | 1073 | 5.470mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 4:52: |

Mean Area 1059
 Mean Conc. 5.400mg/l



Sample

Sample Name: 65963-04 10X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

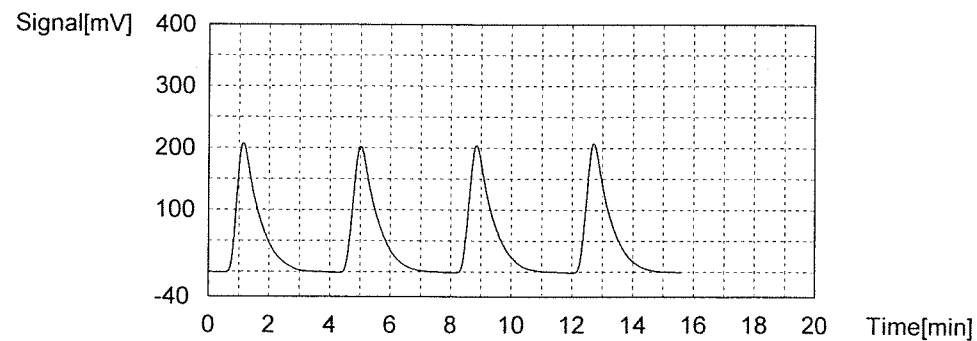
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.506mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1062 | 5.414mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:05: |
| 2 | 1085 | 5.531mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:11: |
| 3 | 1084 | 5.526mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:17: |
| 4 | 1089 | 5.552mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:23: |

Mean Area 1080
 Mean Conc. 5.506mg/l



Sample

Sample Name: CCV
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

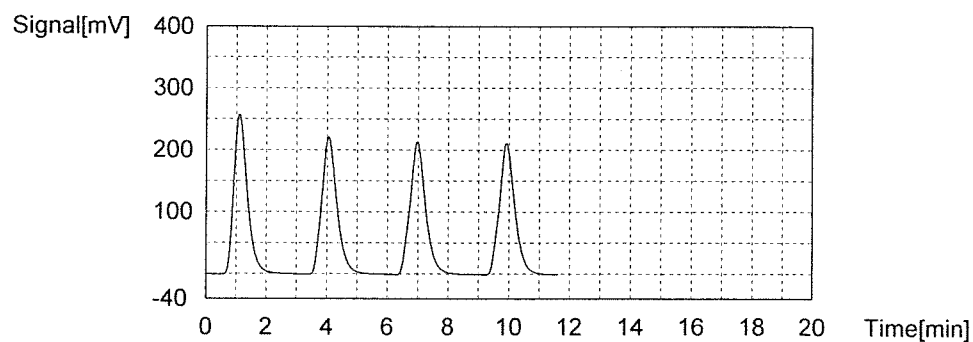
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.048mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 826.3 | 4.215mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 5:58: |
| 2 | 793.9 | 4.050mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:03: |
| 3 | 787.0 | 4.015mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:08: |
| 4 | 766.9 | 3.912mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:13: |

Mean Area 793.5
Mean Conc. 4.048mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

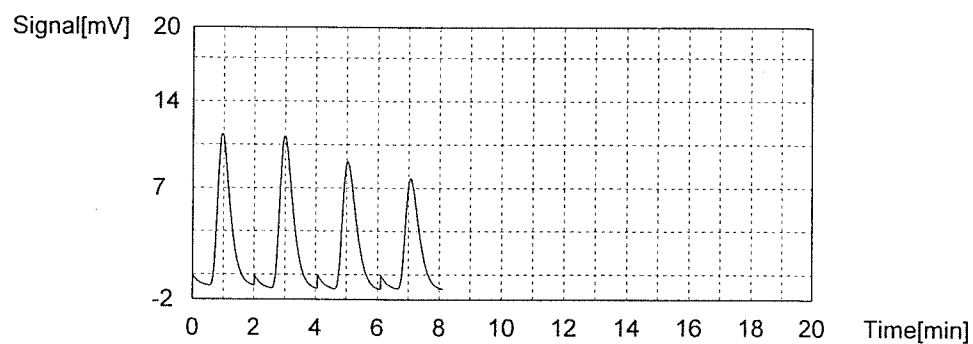
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.1812mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 36.06 | .1932mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:24: |
| 2 | 38.07 | .2035mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:29: |
| 3 | 32.49 | .1751mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:33: |
| 4 | 28.15 | .1530mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:37: |

Mean Area 33.69
Mean Conc. 0.1812mg



Sample

Sample Name: 67729-06 DUP
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

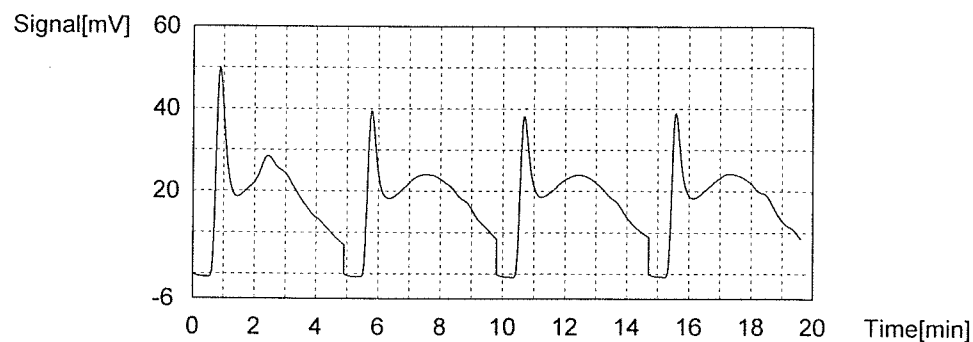
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:2.183mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 455.9 | 2.330mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:51: |
| 2 | 423.7 | 2.166mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 6:59: |
| 3 | 406.2 | 2.077mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:07: |
| 4 | 422.6 | 2.160mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:15: |

Mean Area 427.1
 Mean Conc. 2.183mg/l



Sample

Sample Name: 67729-06 SPK 4X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

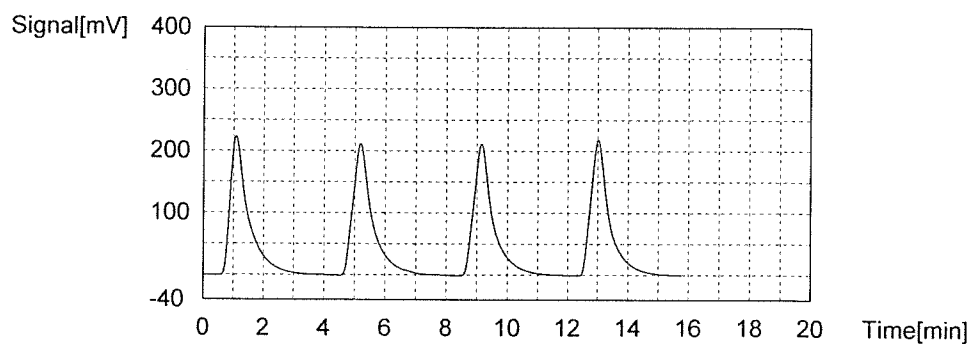
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.893mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 968.5 | 4.938mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:28: |
| 2 | 958.5 | 4.887mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:34: |
| 3 | 955.0 | 4.870mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:40: |
| 4 | 956.1 | 4.875mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 7:47: |

Mean Area 959.5
Mean Conc. 4.893mg/l



Sample

Sample Name: 67729-07 DUP
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

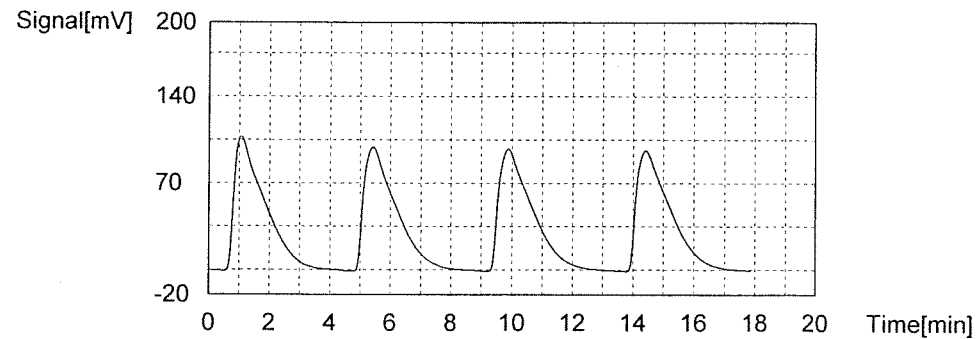
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.916mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 768.1 | 3.919mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:00: |
| 2 | 764.1 | 3.898mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:06: |
| 3 | 768.8 | 3.922mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:13: |
| 4 | 769.3 | 3.925mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:20: |

Mean Area 767.6
 Mean Conc. 3.916mg/l



Sample

Sample Name: 67729-07 SPK 4X
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

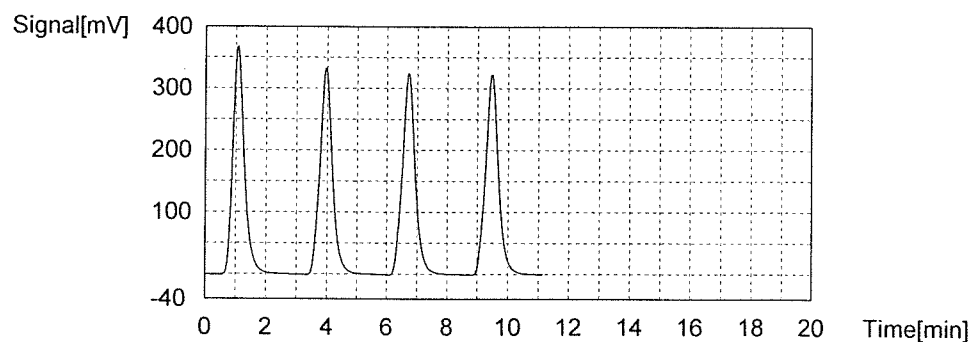
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.022mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1000 | 5.099mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:32: |
| 2 | 983.7 | 5.016mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:37: |
| 3 | 977.4 | 4.984mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:41: |
| 4 | 978.4 | 4.989mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:47: |

Mean Area 984.9
Mean Conc. 5.022mg/l



Sample

Sample Name: 65963-01 DUP 10X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

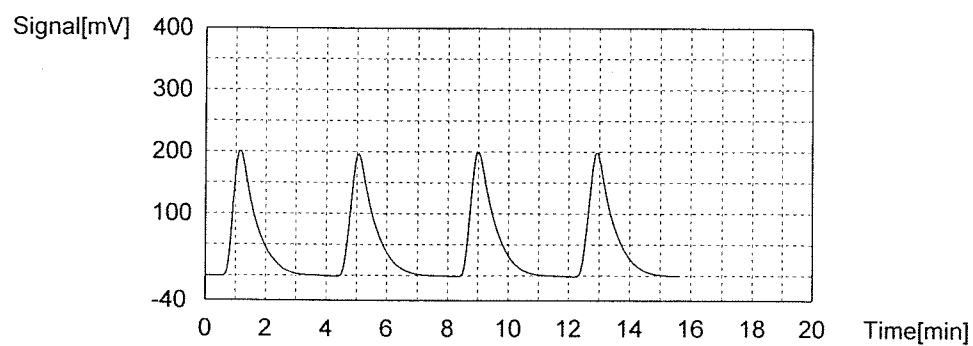
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.399mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1035 | 5.277mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 8:59: |
| 2 | 1061 | 5.409mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:06: |
| 3 | 1061 | 5.409mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:12: |
| 4 | 1079 | 5.501mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:18: |

Mean Area 1059
 Mean Conc. 5.399mg/l



Sample

Sample Name: 65963-01 SPK 40X
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

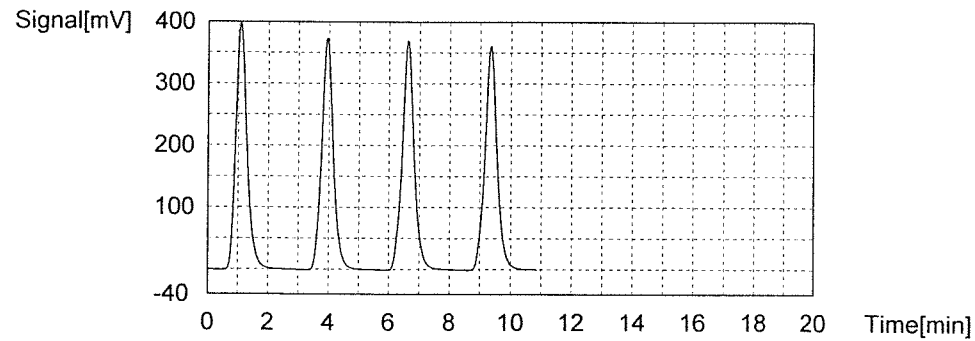
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.302mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 1055 | 5.379mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:30: |
| 2 | 1030 | 5.251mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:34: |
| 3 | 1040 | 5.302mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:39: |
| 4 | 1035 | 5.277mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:44: |

Mean Area 1040
 Mean Conc. 5.302mg/l



Sample

Sample Name: CCV
 Sample ID:
 Origin: toc doc 4 reps method.met
 Status Completed
 Chk. Result

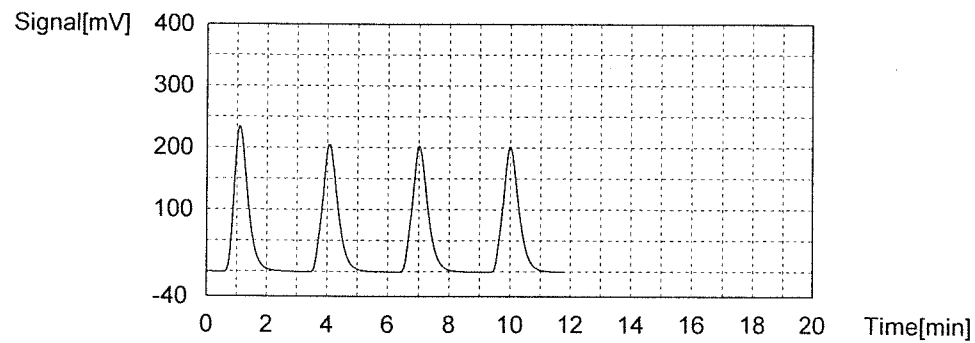
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:3.850mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 768.8 | 3.922mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 9:56: |
| 2 | 755.3 | 3.853mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:07 |
| 3 | 749.5 | 3.824mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:06 |
| 4 | 744.7 | 3.799mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:11 |

Mean Area 754.6
 Mean Conc. 3.850mg/l



Sample

Sample Name: CCB
Sample ID:
Origin: toc doc 4 reps method.met
Status Completed
Chk. Result

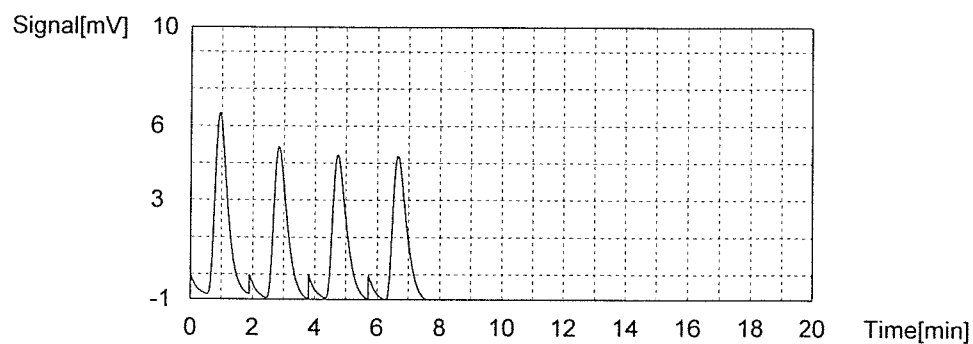
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.1063mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|-----------------------|-----------------|
| 1 | 21.16 | .1174mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:22 |
| 2 | 18.53 | .1040mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:27 |
| 3 | 18.06 | .1016mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:31 |
| 4 | 18.16 | .1021mg/L | 500uL | 1 | | 07262022 TOC4 CURVE.2 | 12/7/2022 10:36 |

Mean Area 18.98
Mean Conc. 0.1063mg



Quality Control

Form 5a Matrix Spike

| | |
|---|-----------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-24I | Matrix : WATER |
| Lab Sample ID : L2267729-06 | |
| Matrix Spike : WG1720164-4 | MS Analysis Date : 12/07/22 19:47 |
| Matrix Spike Dup : | MSD Analysis Date : |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | %R | Matrix Spike Duplicate | | RPD | Recovery Limits | RPD Limit |
|----------------------|------------------------|-----------------------|-----------------------|-----|------------------------|-----------------------|-----|-----------------|-----------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | | Spike Added (ug/l) | Spike Conc. (ug/l) | | | |
| Total Organic Carbon | 2400 | 16000 | 20000 | 110 | | | | 80-120 | 20 |



Form 5a Matrix Spike

| | |
|---|-----------------------------------|
| Client : Roux Env. Eng. & Geology, DPC | Lab Number : L2267729 |
| Project Name : FORMER PFIZER INC SITE B&D | Project Number : 0047.0044Y047 |
| Client Sample ID : MW-25I | Matrix : WATER |
| Lab Sample ID : L2267729-07 | |
| Matrix Spike : WG1720164-6 | MS Analysis Date : 12/07/22 20:47 |
| Matrix Spike Dup : | MSD Analysis Date : |

| Parameter | Sample Conc. (ug/l) | Matrix Spike Sample | | | Matrix Spike Duplicate | | | RPD | Recovery Limits | RPD Limit |
|----------------------|---------------------------|--------------------------|--------------------------|-----|--------------------------|--------------------------|----|-----|--------------------|--------------|
| | | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | Spike Added (ug/l) | Spike Conc. (ug/l) | %R | | | |
| Total Organic Carbon | 3900 | 16000 | 20000 | 101 | | | | | 80-120 | 20 |



Form 6 Lab Duplicates

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2267729
Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
Client Sample ID : MW-24I Matrix : WATER
Lab Sample ID : L2267729-06 Analysis Date : 12/07/22 10:38
Dup Sample ID : WG1720164-3 DUP Analysis Date : 12/07/22 19:15

| Parameter | Sample Concentration (ug/l) | Duplicate Concentration (ug/l) | RPD | RPD Limit |
|----------------------|-----------------------------|--------------------------------|-----|-----------|
| Total Organic Carbon | 2400 | 2200 | 9 | 20 |



Form 6 Lab Duplicates

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2267729
Project Name : FORMER PFIZER INC SITE B&D Project Number : 0047.0044Y047
Client Sample ID : MW-25I Matrix : WATER
Lab Sample ID : L2267729-07 Analysis Date : 12/07/22 11:10
Dup Sample ID : WG1720164-5 DUP Analysis Date : 12/07/22 20:20

| Parameter | Sample Concentration (ug/l) | Duplicate Concentration (ug/l) | RPD | RPD Limit |
|----------------------|-----------------------------|--------------------------------|-----|-----------|
| Total Organic Carbon | 3900 | 3900 | 0 | 20 |



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : FORMER PFIZER INC SITE B&D
Client Sample ID : NA
Lab Sample ID : WG1720164-2
Dup Sample ID :

Lab Number : L2267729
Project Number : 0047.0044Y047
Matrix : WATER
LCS Analysis Date : 12/07/22 05:18
LCSD Analysis Date:

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|----------------------|---------------------------|--------------|-----|------------------------------|--------------|----|-----|-----------------|-----------|
| | True (ug/l) | Found (ug/l) | %R | True (ug/l) | Found (ug/l) | %R | | | |
| Total Organic Carbon | 4000 | 3700 | 92. | | | | | 90-110 | 20 |





WETCHEM (WATER)

| Analyte | CAS # | RL | MDL | Units | LCS Criteria | LCS RPD | MS Criteria | MS RPD | Duplicate RPD | Method | Holding Time | Container/Sample Preservation |
|----------------------|-----------|-----|-------|-------|--------------|---------|-------------|--------|---------------|--------|--------------|-------------------------------|
| Total Organic Carbon | 7440-44-0 | 0.5 | 0.114 | mg/l | 90-110 | | 80-120 | 20 | 20 | 9060A | 28 days | 3 - Vial H2SO4 preserved |
| Total Organic Carbon | 7440-44-0 | 0.5 | 0.114 | mg/l | 90-110 | | 80-120 | 20 | 20 | 5310C | 28 days | 2 - Vial H2SO4 preserved |
| | | | | | | | | | | | | |
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Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
 Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.



8 Walkup Drive, Westborough, Massachusetts 01581 • 508-898-9220 • www.alphalab.com
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Calculations of TOC

Aqueous samples:

The TOC Talk Software calculates the area of the peaks produced by the analyzer, compares them to the peak area of the calibration standard stored in its memory, and calculates a mean TOC value from two injections in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$



Sequence Logs

Facility: Westborough, MA
Department: Wet Chemistry
Title: TOC 4 Run Log - Shimadzu

DEW
072022 120722

| | | |
|------------------|---------------------------------------|--------------------------------|
| DATE: Wed 120722 | CURVE ID: TUCY 07252 | WORKING STDS ID: |
| ANALYST: DEW | STOCK STDS ID: | 4 PPM ICV: TU-120722-2W |
| | 2000 PPM CURVE SLN: TU-072522-C | 4 PPM LCS: TU-120722-LS |
| | 2000 PPM ICV/LCS/SPK SLN: TU-072522-W | 4 PPM SPK: TU-072522-W |
| | 400 PPM IC CK STD SLN: TU-110422- | 10 PPM IC CK STD: TU-120722-2L |

DEW

| POSITION | SAMPLE | DIL X | PH | COMMENTS | POSITION | SAMPLE | DIL X | PH | COMMENTS |
|----------|-------------|-------|----|----------|----------|-------------|-------|----|----------|
| 1 | DE | | | | 27 | 4W | | | |
| 2 | DECKSD | | | - | 28 | 4L | | | |
| 3 | DEW | | | - | 29 | 67724.6 dip | 1 | | |
| 4 | DEW | | | - | 30 | 6 spm | 4 | | |
| 5 | MMS | | | - | 31 | 7 dip | 1 | | |
| 6 | 4 | | | - | 32 | 7 spm | 4 | | |
| 7 | 67729.11 PM | 1 | 2 | - | 33 | 65963.1 dip | 10 | | |
| 8 | 1 | 1 | 2 | - | 34 | 1 spm | 40 | | |
| 9 | 2 | 1 | 2 | - | 35 | 4W | | | |
| 10 | 3 | 1 | 2 | - | 36 | 4L | | | |
| 11 | 4 | 1 | 2 | - | 37 | | | | |
| 12 | 5 | 1 | 2 | - | 38 | | | | |
| 13 | 6 | 1 | 2 | - | 39 | | | | |
| 14 | 7 | 1 | 2 | - | 40 | | | | |
| 15 | 4W | | | - | 41 | | | | |
| 16 | 4L | | | - | 42 | | | | |
| 17 | 67729.8 | 2 | 2 | - | 43 | | | | |
| 18 | 9 | 10 | 2 | - | 44 | | | | |
| 19 | 10 | 1 | 2 | - | 45 | | | | |
| 20 | 65881.1 | 1000 | 2 | low x | 46 | | | | |
| 21 | 2 | 1000 | 2 | low x | 47 | | | | |
| 22 | 3 | 1000 | 2 | low x | 48 | | | | |
| 23 | 65963.1 | 10 | 2 | - | 49 | | | | |
| 24 | 2 | 10 | 2 | - | 50 | | | | |
| 25 | 3 | 10 | 2 | - | 51 | | | | |
| 26 | 4 | 10 | 2 | - | 52 | | | | |

2 DEW

low x
very strong dip

07171 0164 0391

Semi-Annual Progress Report – May 2022 to December 2022
Former Pfizer Inc Site D – Operable Unit 1 (OU-1)
191 Harrison Avenue and 60-66 Gerry Street
Brooklyn, New York

PLATE

VOCs Detected in Groundwater
April 2016 to December 2022

